

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101420\
 Data File : VN064113.D
 Acq On : 14 Oct 2020 14:42
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:17:20 PM

Quant Time: Oct 14 19:08:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 15:55:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	310005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	540813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	502733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	194732	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	27599	5.57	ug/l	0.00
Spiked Amount			Recovery	=	11.14%	
35) Dibromofluoromethane	7.55	113	22703	6.09	ug/l	0.00
Spiked Amount			Recovery	=	12.18%	
50) Toluene-d8	10.06	98	78353	5.52	ug/l	0.00
Spiked Amount			Recovery	=	11.04%	
62) 4-Bromofluorobenzene	12.38	95	25916	4.95	ug/l	0.00
Spiked Amount			Recovery	=	9.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	14849	4.563	ug/l	96
3) Chloromethane	2.04	50	20017	5.215	ug/l	95
4) Vinyl Chloride	2.16	62	22750	5.720	ug/l	93
5) Bromomethane	2.53	94	18250	6.924	ug/l	97
6) Chloroethane	2.67	64	19630	7.860	ug/l #	86
7) Trichlorofluoromethane	2.98	101	34222	5.574	ug/l	97
8) Diethyl Ether	3.38	74	9519	4.657	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.71	101	16745	5.157	ug/l	98
10) Methyl Iodide	3.91	142	19984	5.153	ug/l	98
11) Tert butyl alcohol	4.74	59	13594	24.866	ug/l #	90
12) 1,1-Dichloroethene	3.70	96	16954	5.417	ug/l	88
13) Acrolein	3.57	56	11452	32.097	ug/l	91
14) Allyl chloride	4.28	41	23728	4.205	ug/l	97
15) Acrylonitrile	4.94	53	34064	21.521	ug/l	97
16) Acetone	3.78	43	31919	20.866	ug/l	96
17) Carbon Disulfide	4.02	76	47853	5.212	ug/l	100
18) Methyl Acetate	4.29	43	16016	4.039	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	45023	4.077	ug/l #	89
20) Methylene Chloride	4.51	84	21961	5.590	ug/l	91
21) trans-1,2-Dichloroethene	4.99	96	18467	5.234	ug/l	91
22) Diisopropyl ether	5.90	45	45867	3.961	ug/l #	68
23) Vinyl Acetate	5.85	43	201436	20.787	ug/l	99
24) 1,1-Dichloroethane	5.80	63	34146	5.036	ug/l	94
25) 2-Butanone	6.79	43	49946	22.806	ug/l	93
26) 2,2-Dichloropropane	6.78	77	28432	4.656	ug/l	80
27) cis-1,2-Dichloroethene	6.79	96	20890	5.156	ug/l	96
28) Bromochloromethane	7.15	49	16834	5.105	ug/l #	99
29) Tetrahydrofuran	7.17	42	28557	19.718	ug/l	95
30) Chloroform	7.33	83	37475	5.268	ug/l	94
31) Cyclohexane	7.62	56	29337	5.085	ug/l #	82
32) 1,1,1-Trichloroethane	7.53	97	33077	5.196	ug/l	99
36) 1,1-Dichloropropene	7.75	75	24301	4.443	ug/l	94
37) Ethyl Acetate	6.88	43	19970	3.726	ug/l #	91
38) Carbon Tetrachloride	7.73	117	29380	4.821	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	20164	3.789	ug/l	92
40) Benzene	8.00	78	78288	4.961	ug/l	99
41) Methacrylonitrile	7.13	41	8575	3.689	ug/l #	52
42) 1,2-Dichloroethane	8.09	62	28344	4.322	ug/l	95
43) Isopropyl Acetate	8.13	43	36332	4.161	ug/l	96
44) Trichloroethene	8.80	130	21703	5.232	ug/l	100
45) 1,2-Dichloropropane	9.08	63	22161	5.250	ug/l	98
46) Dibromomethane	9.18	93	14243	4.865	ug/l	99
47) Bromodichloromethane	9.37	83	28246	4.714	ug/l	93
48) Methyl methacrylate	9.17	41	14808	3.427	ug/l	92
49) 1,4-Dioxane	9.17	88	5232	85.146	ug/l #	84
51) 4-Methyl-2-Pentanone	9.95	43	106092	20.630	ug/l	100
52) Toluene	10.12	92	47593	4.876	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	27745	4.347	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	30571	4.566	ug/l	91
55) 1,1,2-Trichloroethane	10.53	97	20563	5.266	ug/l	98
56) Ethyl methacrylate	10.40	69	21950	4.013	ug/l	99
57) 1,3-Dichloropropane	10.68	76	32339	4.917	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.67	63	56331	19.360	ug/l	98
59) 2-Hexanone	10.72	43	73055	19.180	ug/l	91
60) Dibromochloromethane	10.87	129	21911	4.806	ug/l	97
61) 1,2-Dibromoethane	10.98	107	19916	4.967	ug/l	97
64) Tetrachloroethene	10.60	164	19462	4.944	ug/l	98
65) Chlorobenzene	11.41	112	52192	5.002	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	20236	5.080	ug/l	97
67) Ethyl Benzene	11.49	91	83465	4.454	ug/l	100
68) m/p-Xylenes	11.60	106	60583	8.622	ug/l	99
69) o-Xylene	11.92	106	28895	4.398	ug/l	100
70) Styrene	11.94	104	44005	3.956	ug/l	95
71) Bromoform	12.10	173	13232	4.354	ug/l #	97
73) Isopropylbenzene	12.22	105	73611	5.176	ug/l	100
74) N-amyl acetate	12.05	43	23388	4.075	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	27414	6.254	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	24832m	5.779	ug/l	
77) Bromobenzene	12.50	156	21625	6.098	ug/l	94
78) n-propylbenzene	12.57	91	79956	4.837	ug/l	97
79) 2-Chlorotoluene	12.65	91	53600	5.259	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	56253	4.714	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	7276	4.909	ug/l	95
82) 4-Chlorotoluene	12.75	91	52313	4.965	ug/l	98
83) tert-Butylbenzene	12.97	119	47896	4.910	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	54494	4.597	ug/l	99
85) sec-Butylbenzene	13.15	105	59873	4.683	ug/l	99
86) p-Isopropyltoluene	13.26	119	50042	4.430	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	31792	4.994	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	32872	4.955	ug/l	93
89) n-Butylbenzene	13.59	91	40964	3.985	ug/l	96
90) Hexachloroethane	13.85	117	10922	5.082	ug/l	89
91) 1,2-Dichlorobenzene	13.63	146	32138	5.069	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	4968	4.965	ug/l	88

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ClientSampleId :
VSTDICC005

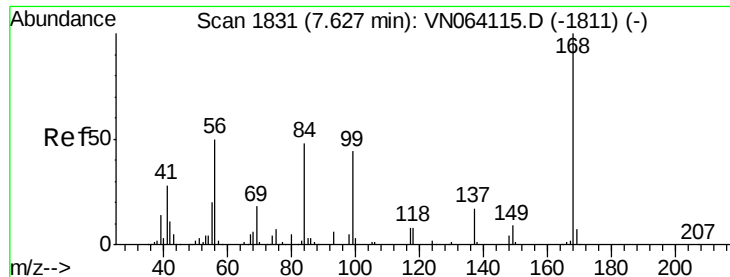
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	9743	2.879	ug/l	97
94) Hexachlorobutadiene	14.98	225	7829	3.999	ug/l	97
95) Naphthalene	15.11	128	27312	2.650	ug/l	97
96) 1,2,3-Trichlorobenzene	15.28	180	10024	2.939	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 310005

Ion Ratio Lower Upper

168 100

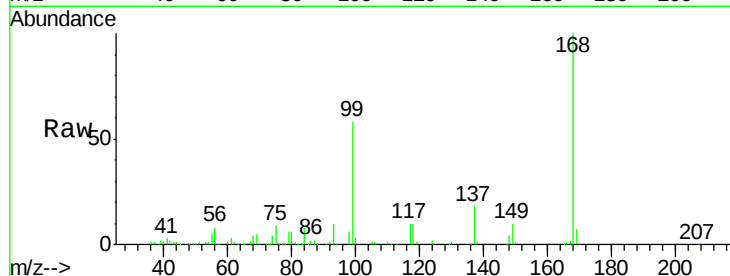
99 58.1 43.6 65.4

Manual Integrations

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10/15/2020 12:17:20 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

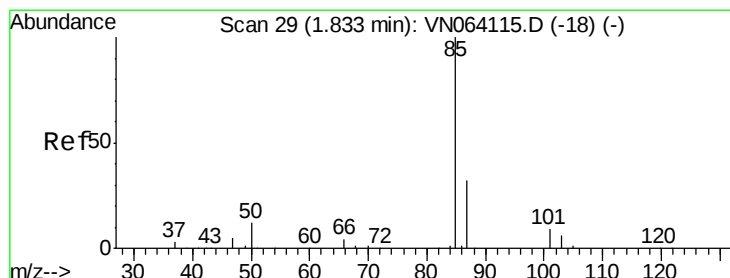
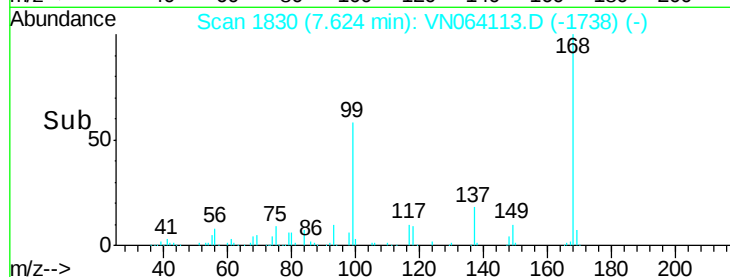
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.563 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064113.D

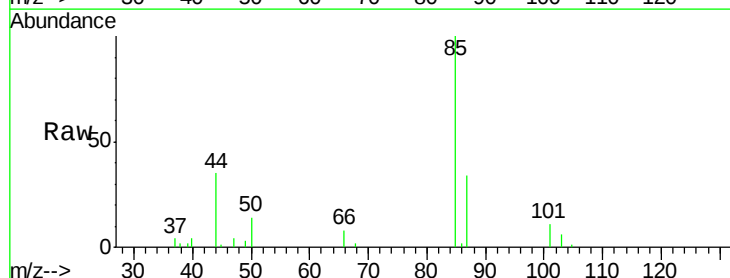
Acq: 14 Oct 2020 14:42

Tgt Ion: 85 Resp: 14849

Ion Ratio Lower Upper

85 100

87 34.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

12000

10000

8000

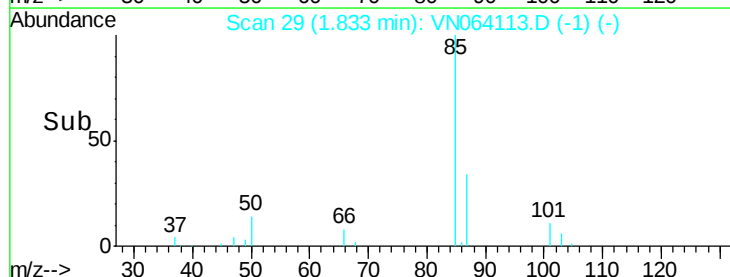
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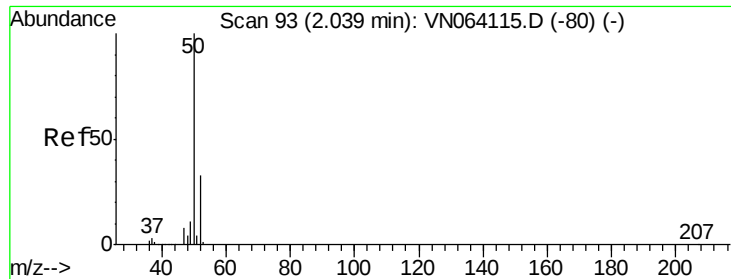
4000

2000

0

Time-->





#3

Chloromethane

Concen: 5.215 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 20017

Ion Ratio Lower Upper

50 100

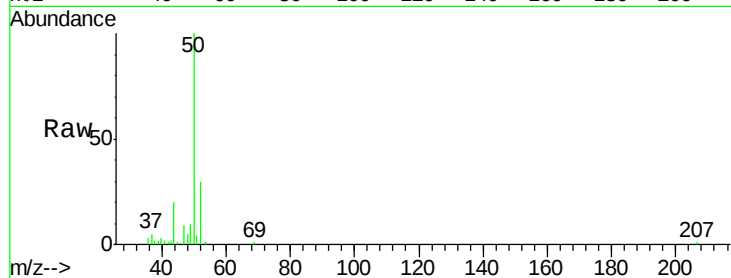
52 30.0 26.1 39.1

Manual Integrations

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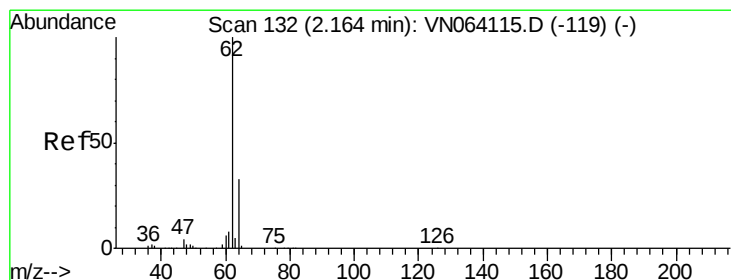
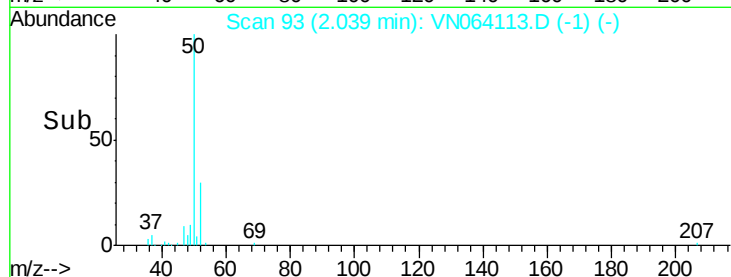
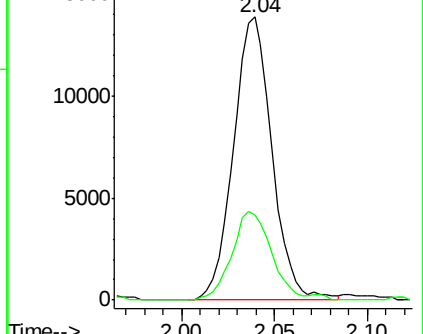
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 5.720 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064113.D

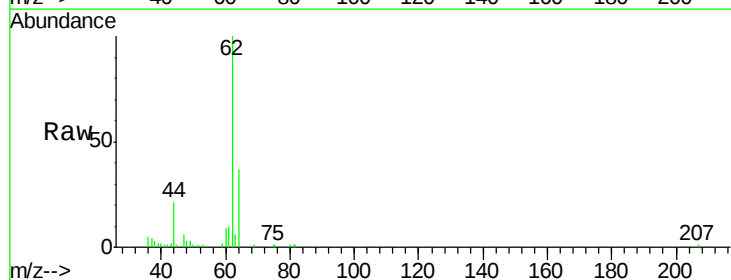
Acq: 14 Oct 2020 14:42

Tgt Ion: 62 Resp: 22750

Ion Ratio Lower Upper

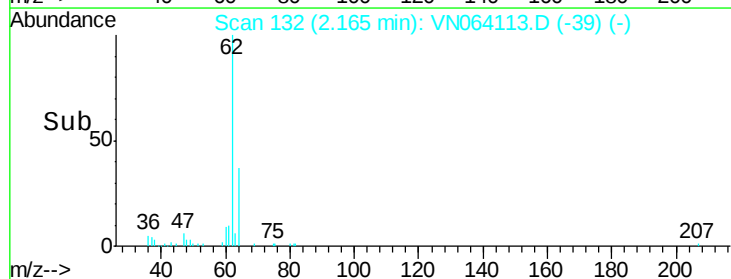
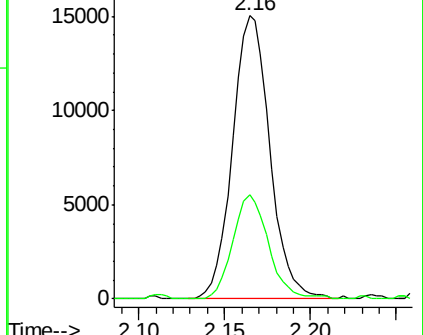
62 100

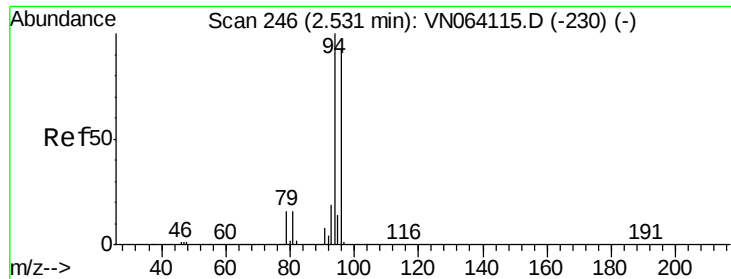
64 36.6 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 6.924 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 18250

Ion Ratio Lower Upper

94 100

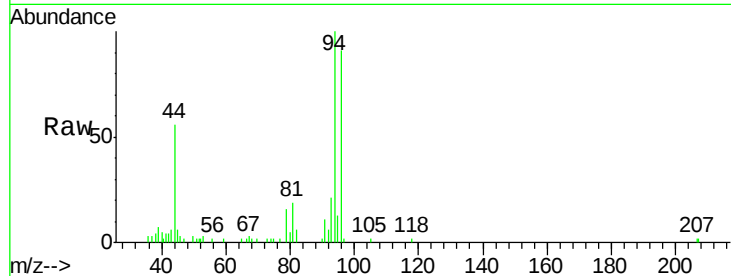
96 89.4 73.5 110.3

Manual Integrations

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10/15/2020 12:17:20 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

10000

8000

6000

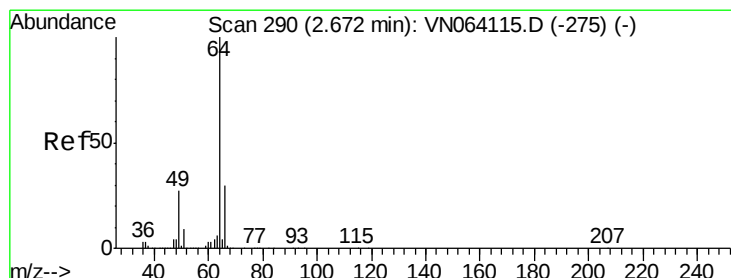
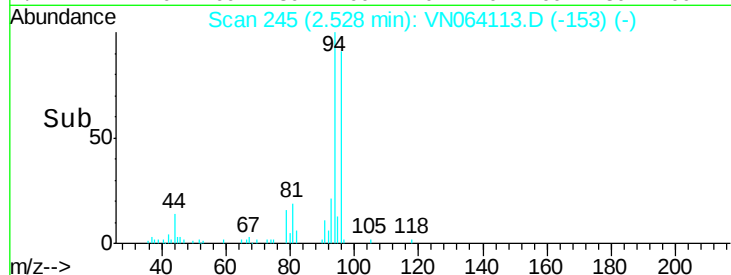
4000

2000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 7.860 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN064113.D

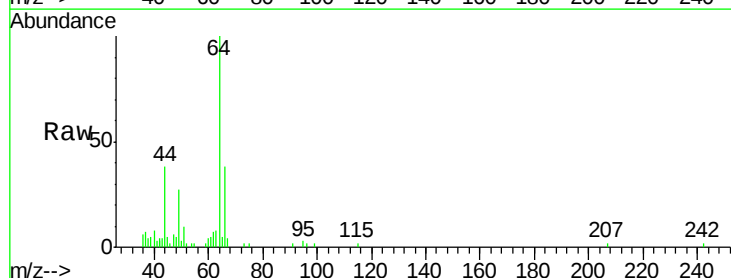
Acq: 14 Oct 2020 14:42

Tgt Ion: 64 Resp: 19630

Ion Ratio Lower Upper

64 100

66 37.6 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

10000

8000

6000

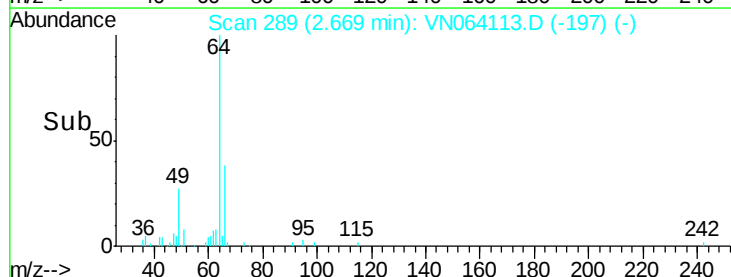
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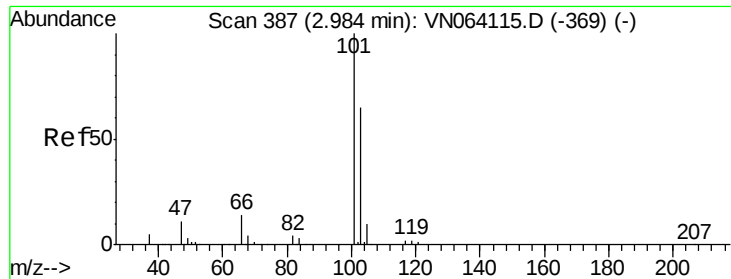
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0

Time-->

2.60 2.65 2.70 2.75





#7

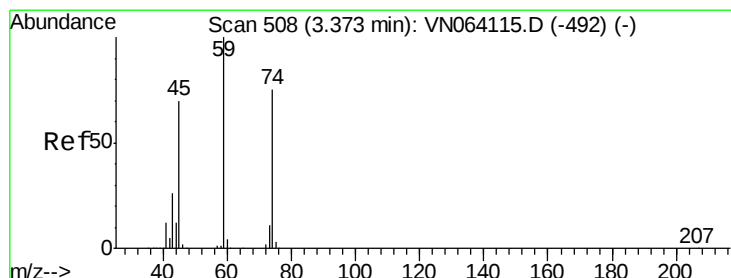
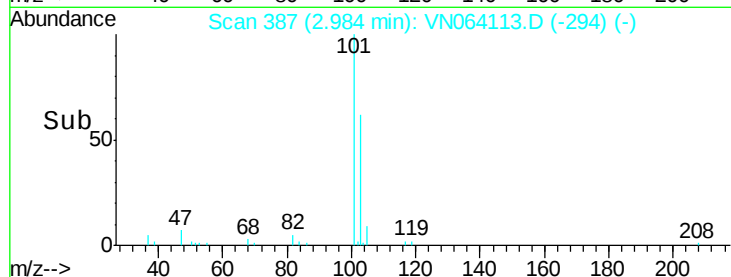
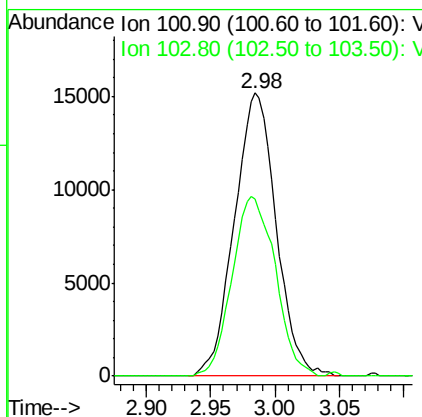
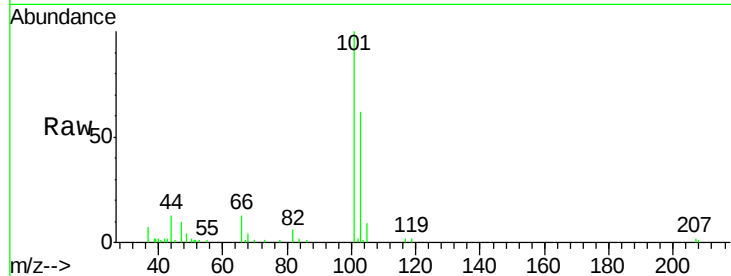
Trichlorofluoromethane
 Concen: 5.574 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Instrument :
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 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.8	77.6

Manual Integrations
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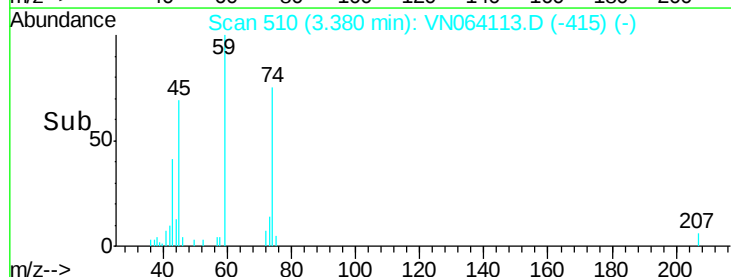
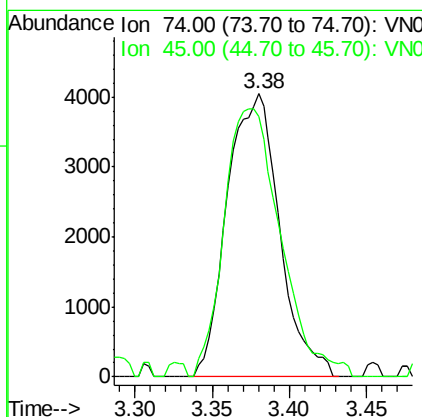
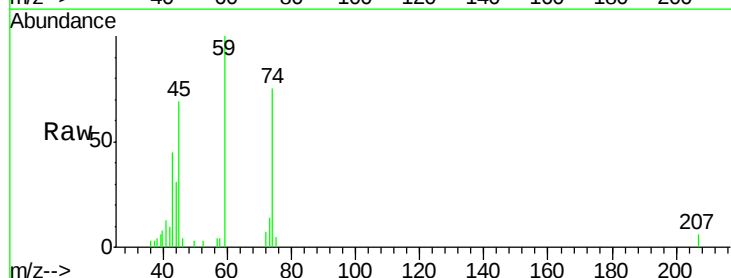
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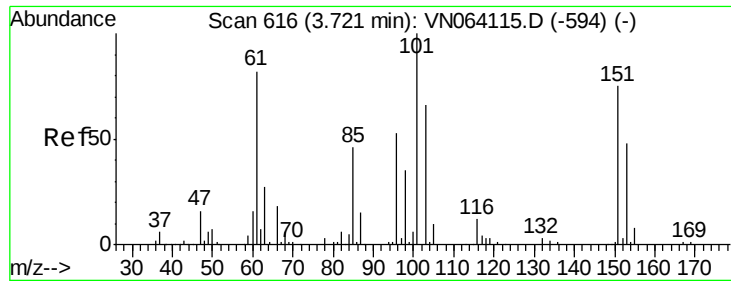


#8

Diethyl Ether
 Concen: 4.657 ug/l
 RT: 3.38 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	47.0	141.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.157 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

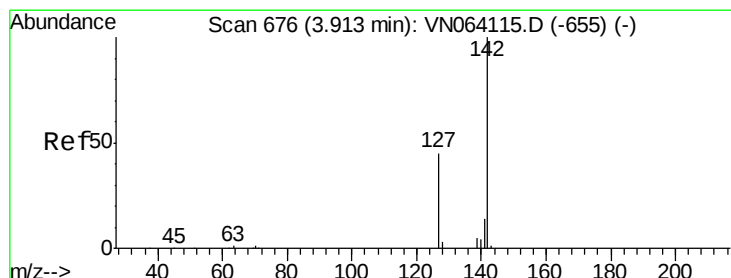
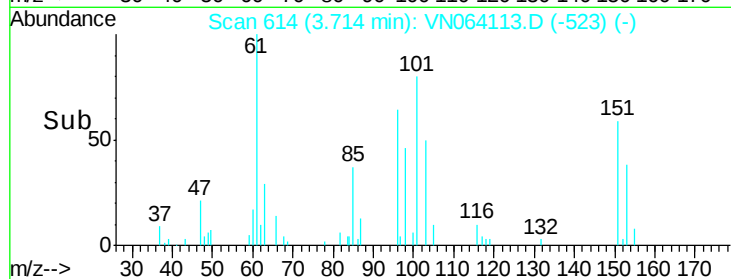
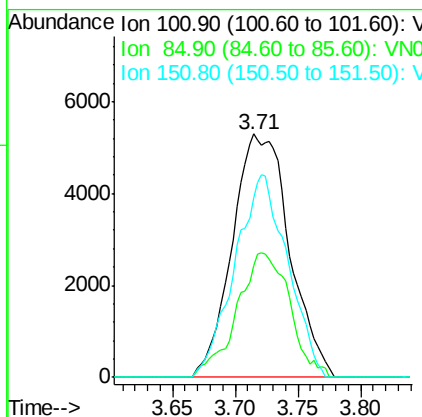
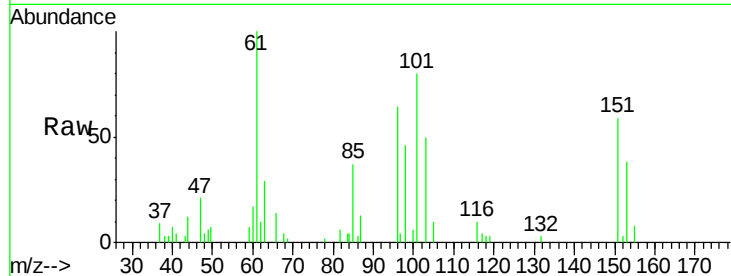
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	16745
Ion Ratio	Lower	Upper	
101	100		
85	47.4	36.9	55.3
151	77.1	60.7	91.1

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MMDadoda
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#10

Methyl Iodide

Concen: 5.153 ug/l

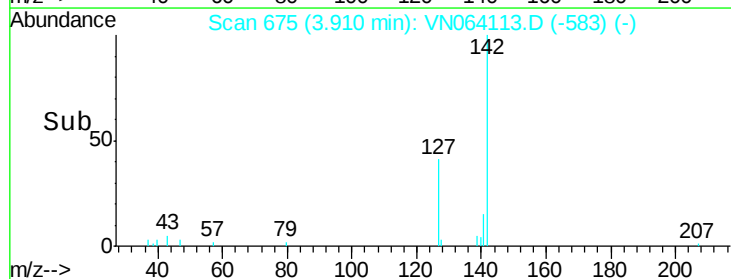
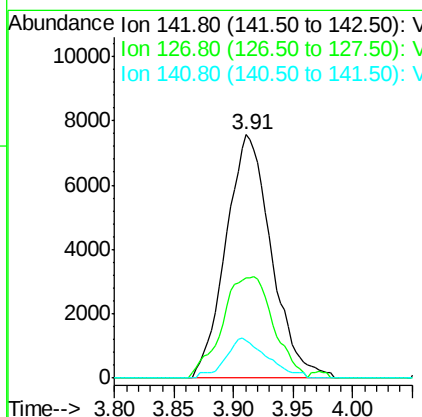
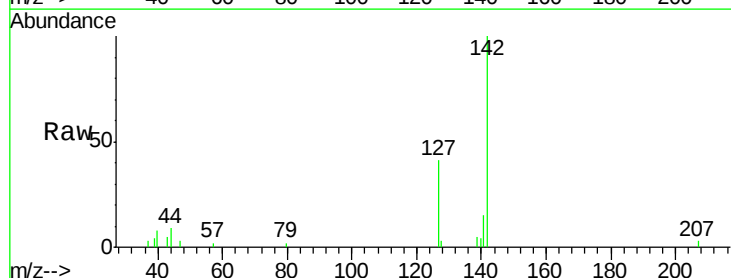
RT: 3.91 min Scan# 675

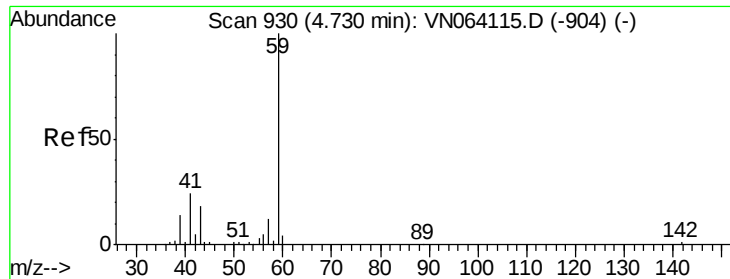
Delta R.T. -0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Tgt Ion:	142	Resp:	19984
Ion Ratio	Lower	Upper	
142	100		
127	46.6	36.3	54.5
141	15.1	11.6	17.4





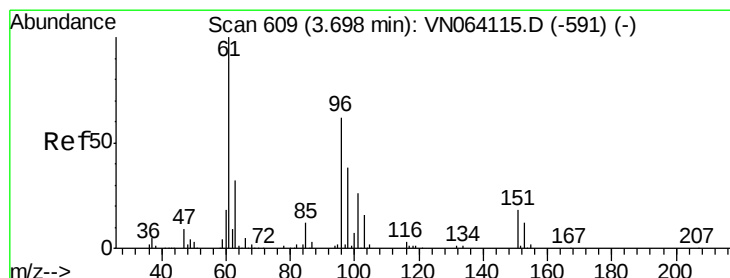
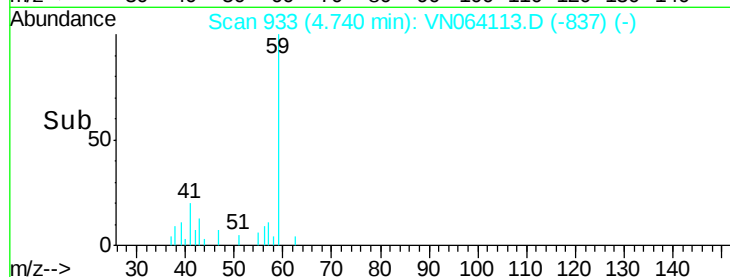
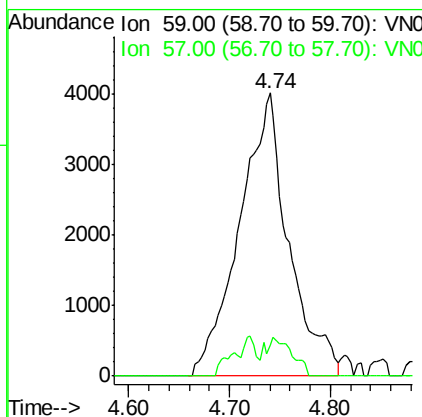
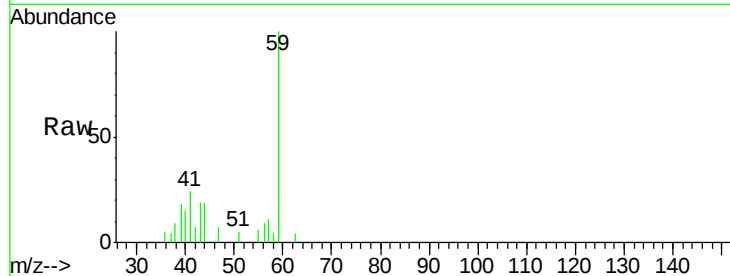
#11
Tert butyl alcohol
Concen: 24.866 ug/l
RT: 4.74 min Scan# 933
Delta R.T. 0.01 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.4	8.9	13.3#

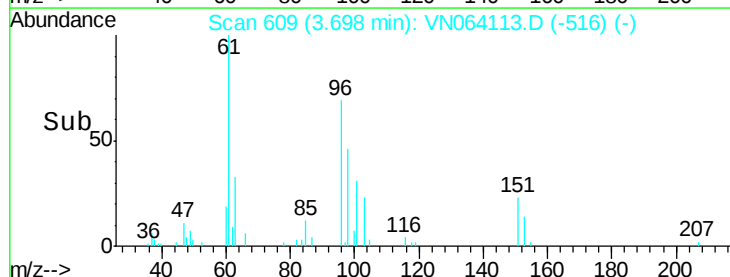
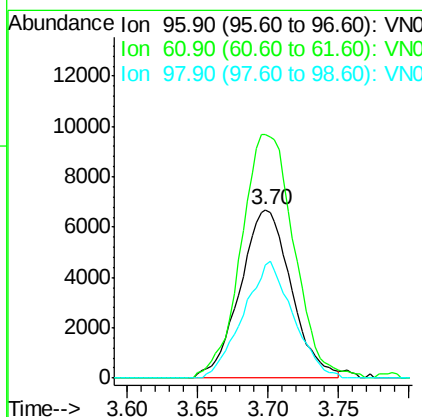
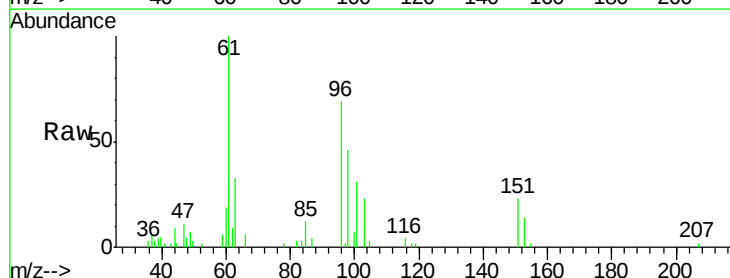
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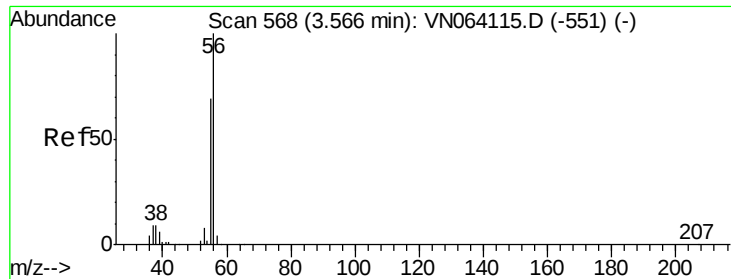
MMDadoda
10/15/2020 12:17:20 PM



#12
1,1-Dichloroethene
Concen: 5.417 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.6	129.9	194.9
98	66.9	48.9	73.3





#13

Acrolein

Concen: 32.097 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 11452

Ion Ratio Lower Upper

56 100

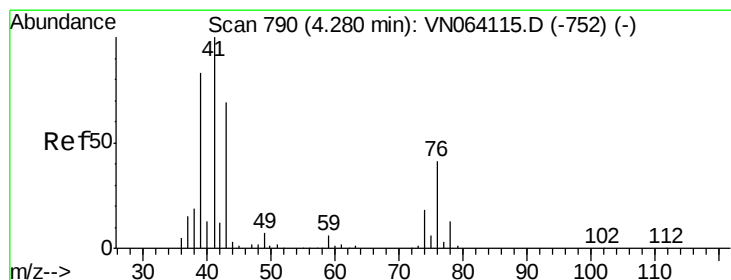
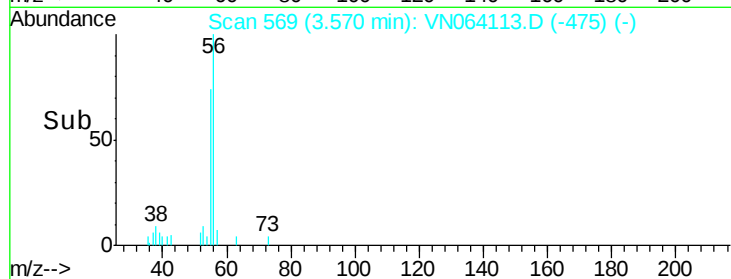
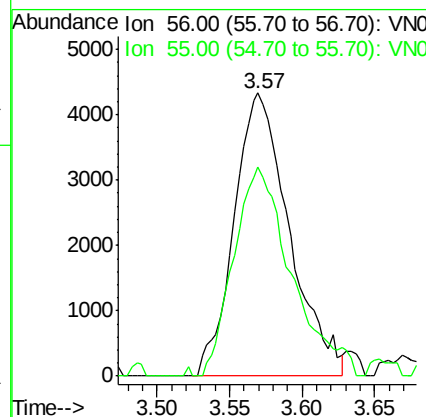
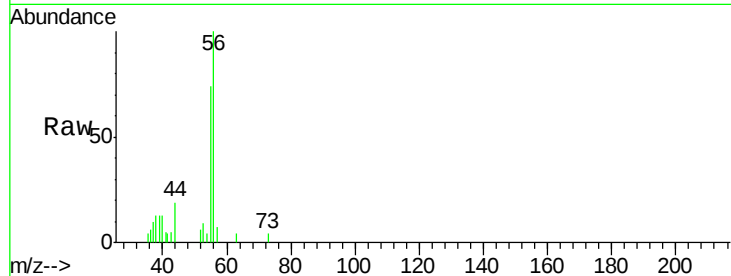
55 77.5 55.8 83.6

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 4.205 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

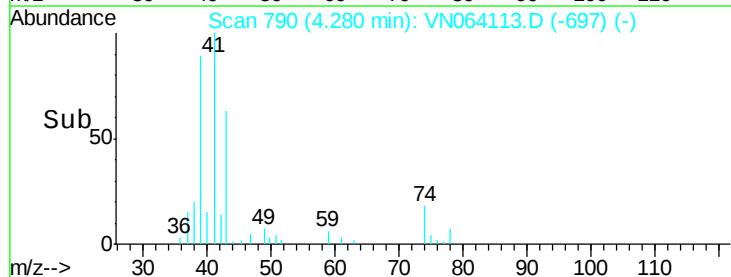
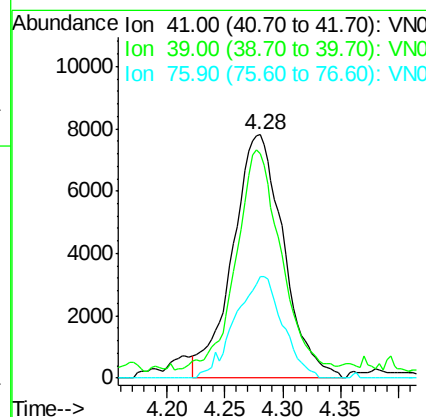
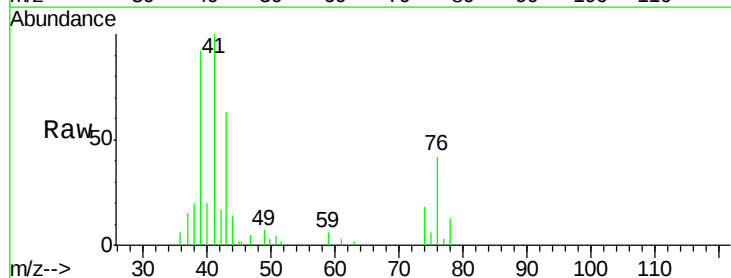
Tgt Ion: 41 Resp: 23728

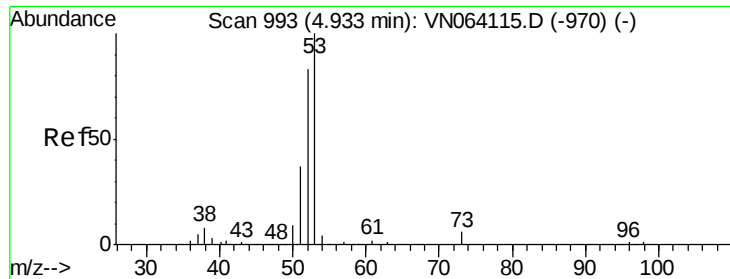
Ion Ratio Lower Upper

41 100

39 77.7 60.5 90.7

76 39.0 29.5 44.3





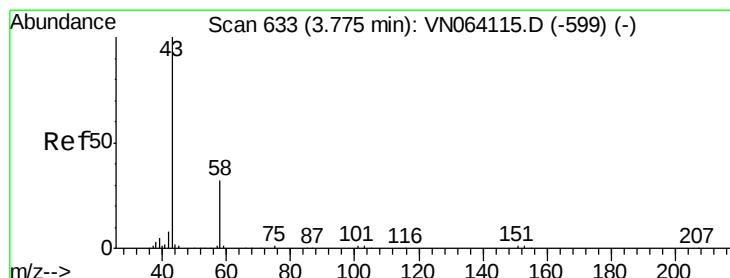
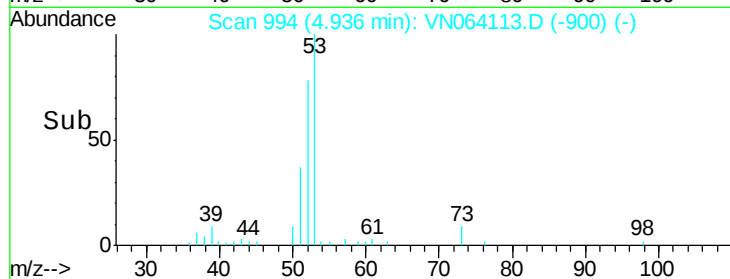
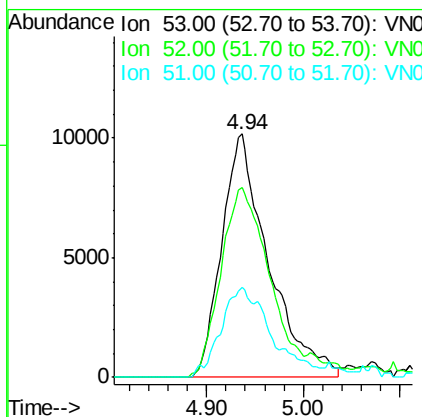
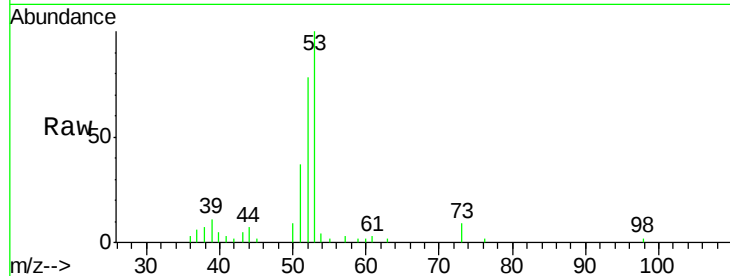
#15
 Acrylonitrile
 Concen: 21.521 ug/l
 RT: 4.94 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	53	Resp:	34064
Ion	Ratio	Lower	Upper
53	100		
52	79.9	65.8	98.6
51	40.1	29.4	44.2

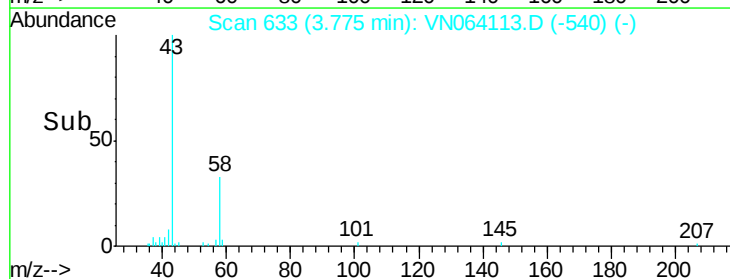
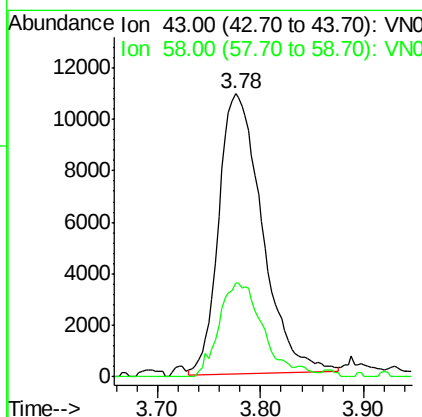
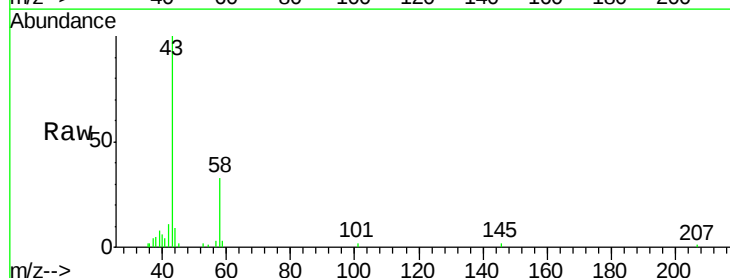
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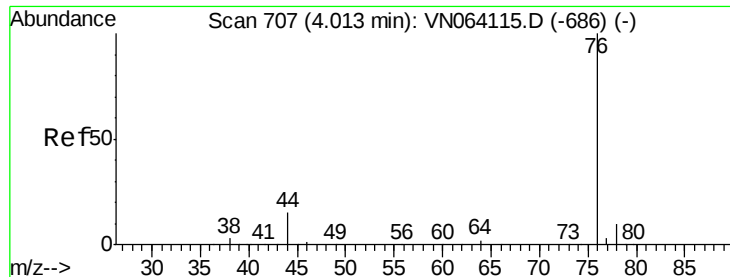
MMDadoda
 10/15/2020 12:17:20 PM



#16
 Acetone
 Concen: 20.866 ug/l
 RT: 3.78 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Tgt Ion:	43	Resp:	31919
Ion	Ratio	Lower	Upper
43	100		
58	33.8	25.2	37.8





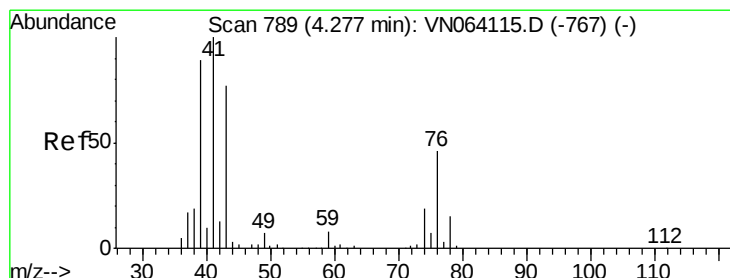
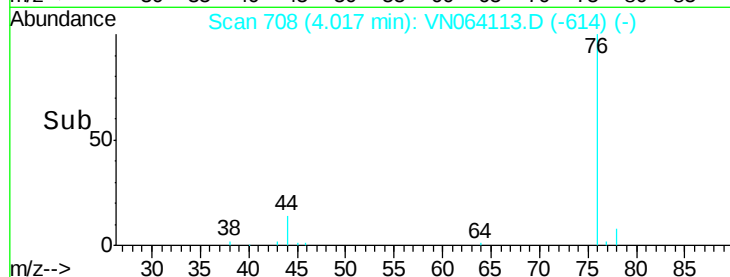
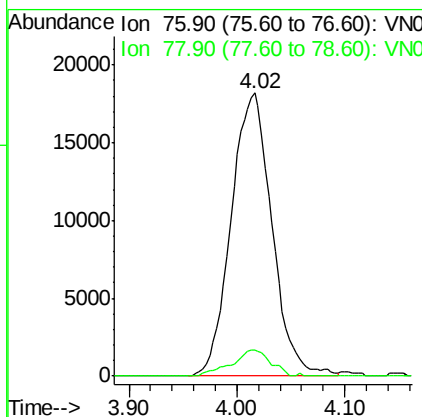
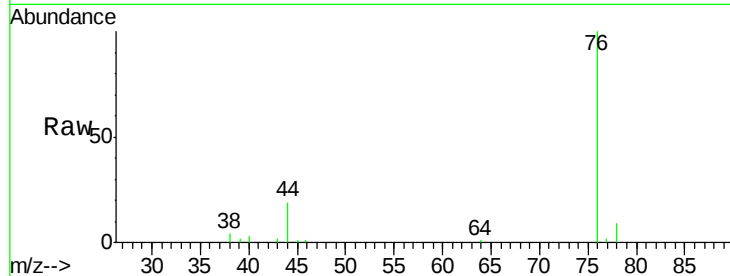
#17
Carbon Disulfide
Concen: 5.212 ug/l
RT: 4.02 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.6	11.4

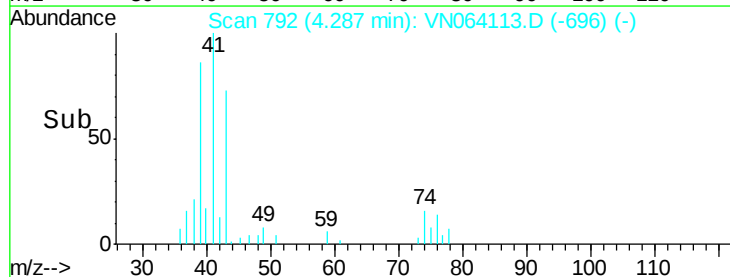
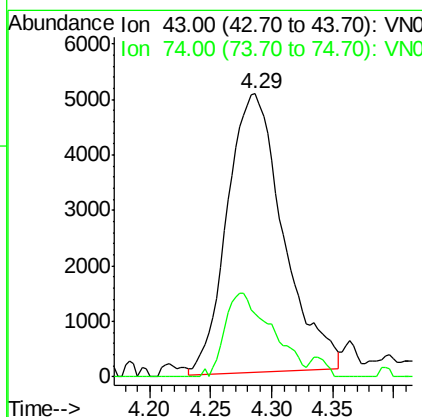
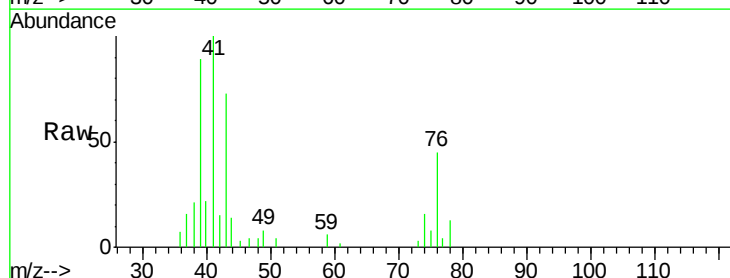
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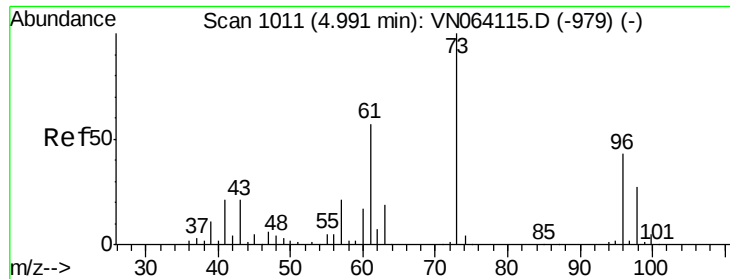
MMDadoda
10/15/2020 12:17:20 PM



#18
Methyl Acetate
Concen: 4.039 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.7	29.5





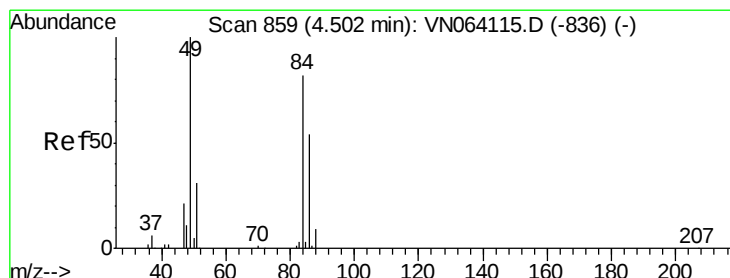
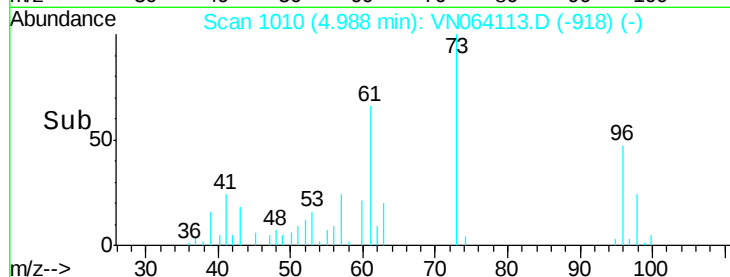
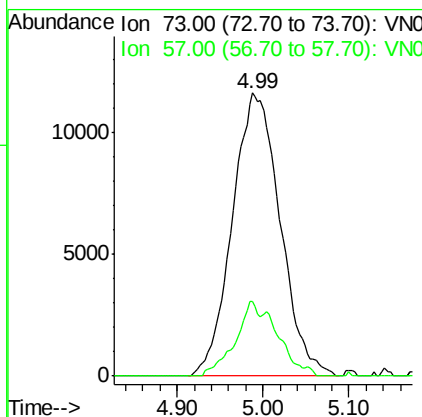
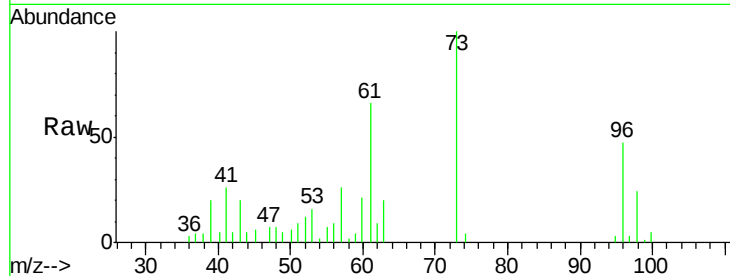
#19
Methvl tert-butvl Ether
Concen: 4.077 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 45023
Ion Ratio Lower Upper
73 100
57 26.4 17.0 25.4#

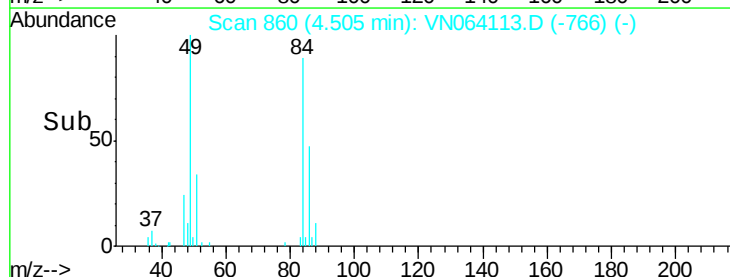
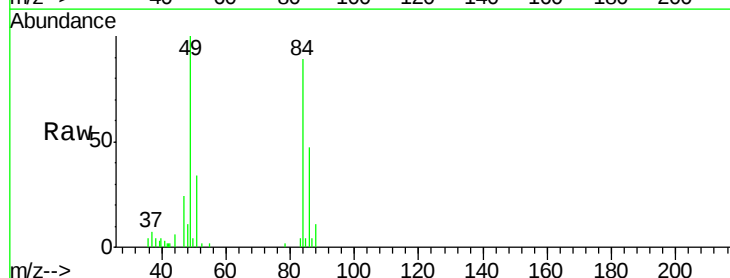
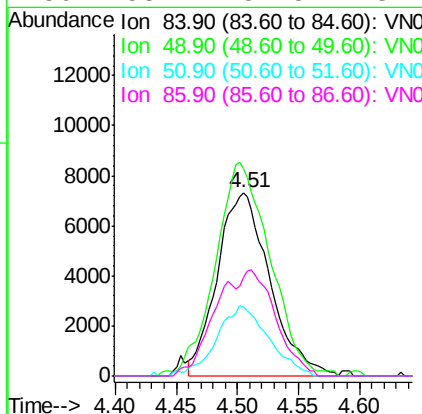
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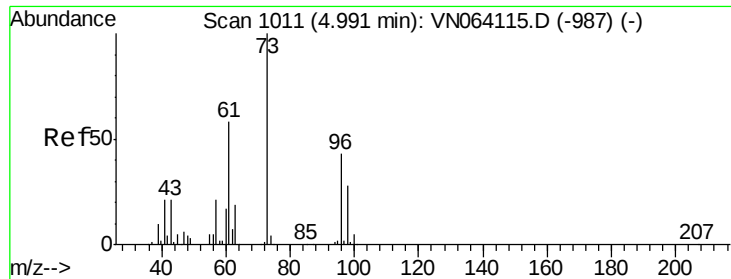
MMDadoda
10/15/2020 12:17:20 PM



#20
Methylene Chloride
Concen: 5.590 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Tgt Ion: 84 Resp: 21961
Ion Ratio Lower Upper
84 100
49 113.0 97.4 146.0
51 38.0 29.7 44.5
86 53.4 52.5 78.7





#21

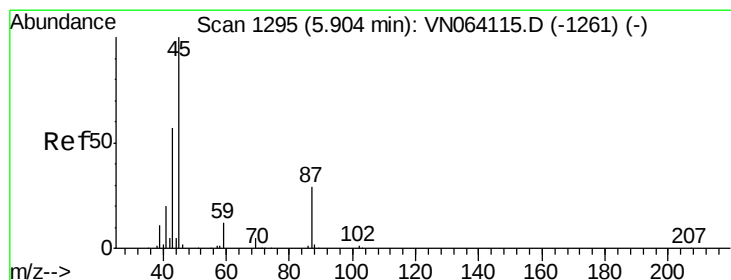
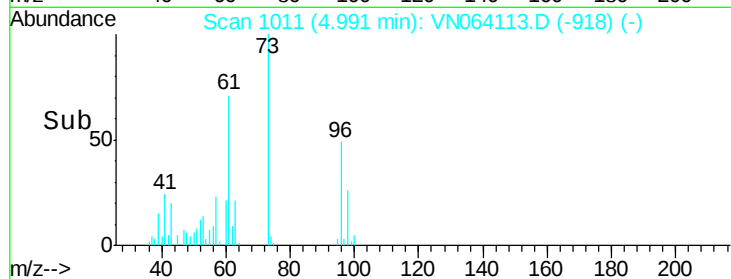
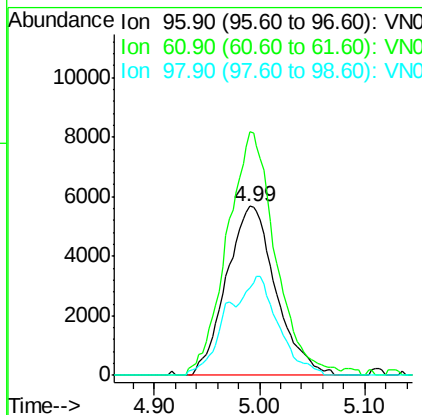
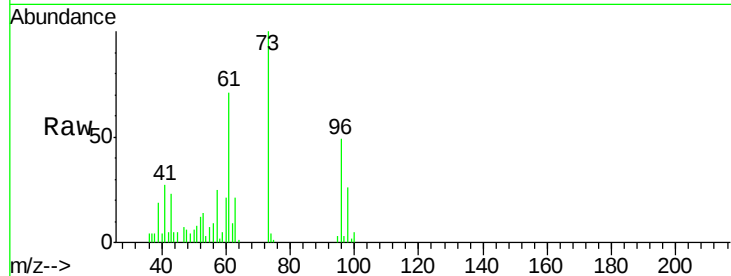
trans-1,2-Dichloroethene
Concen: 5.234 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	107.0	160.4
98	52.1	51.0	76.6

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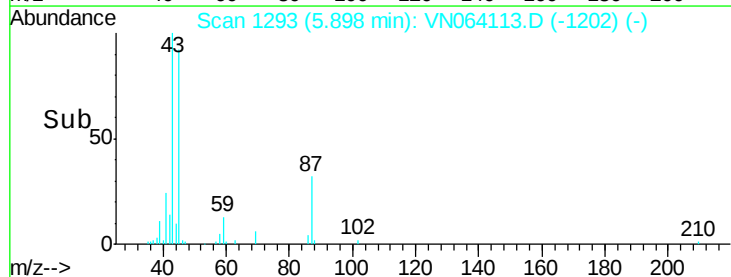
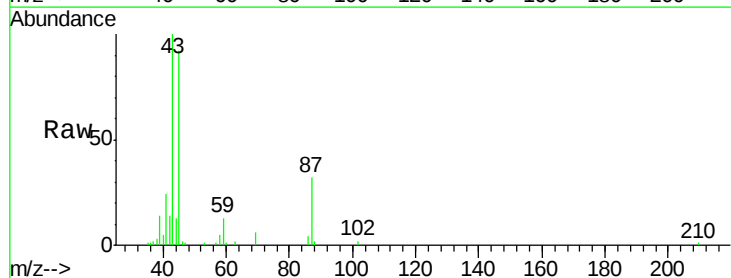
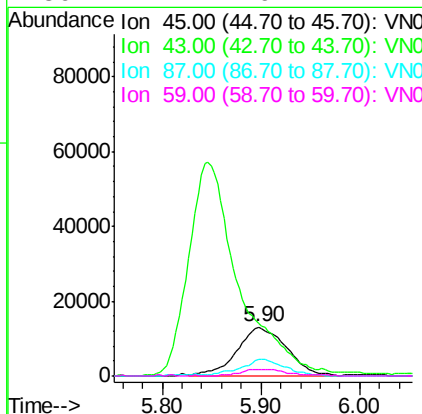
MMDadoda
10/15/2020 12:17:20 PM

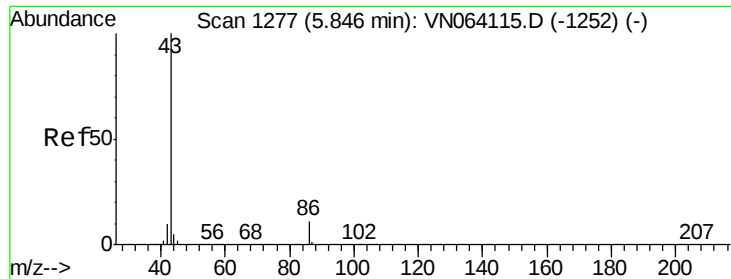


#22

Diisopropyl ether
Concen: 3.961 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	100.1	50.9	76.3#
87	34.2	23.5	35.3
59	14.2	9.4	14.2#





#23

Vinyl Acetate

Concen: 20.787 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 201436

Ion Ratio Lower Upper

43 100

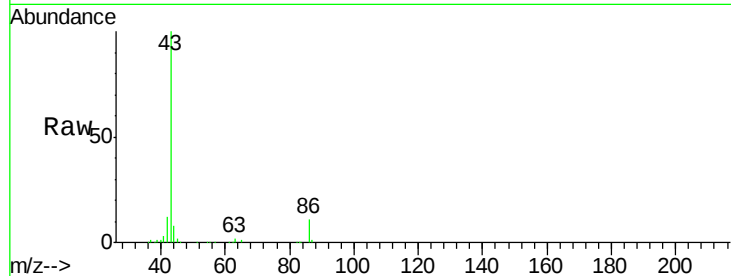
86 10.8 8.8 13.2

Manual Integrations

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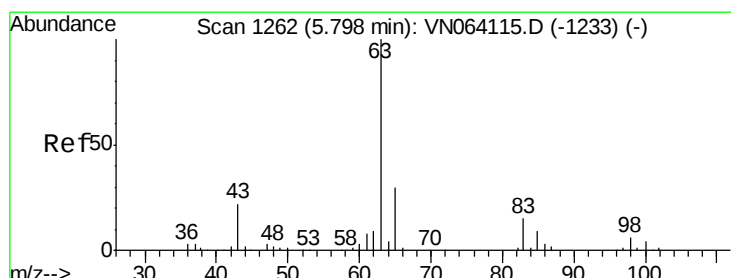
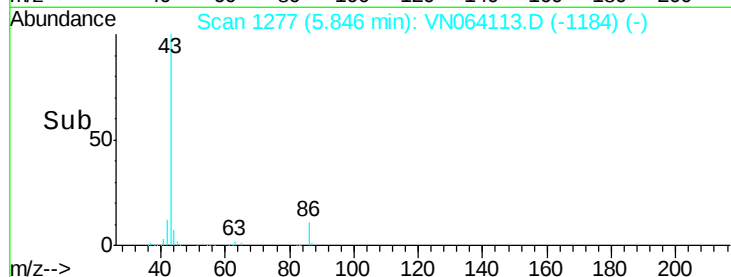
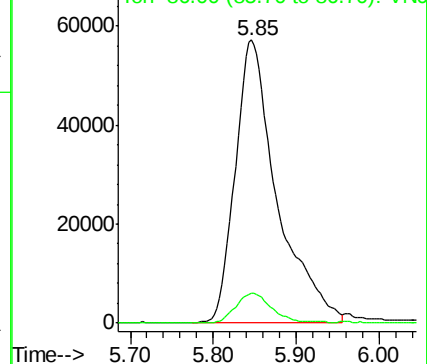
MMDadoda

10/15/2020 12:17:20 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 5.036 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

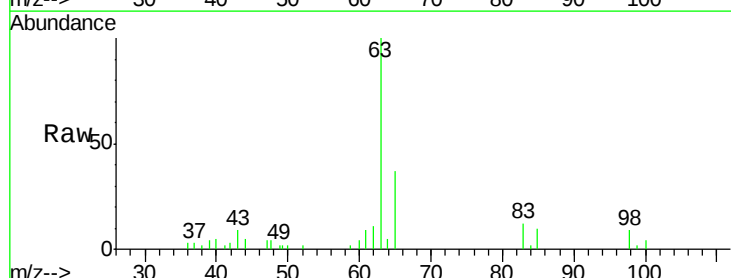
Tgt Ion: 63 Resp: 34146

Ion Ratio Lower Upper

63 100

98 9.2 3.1 9.3

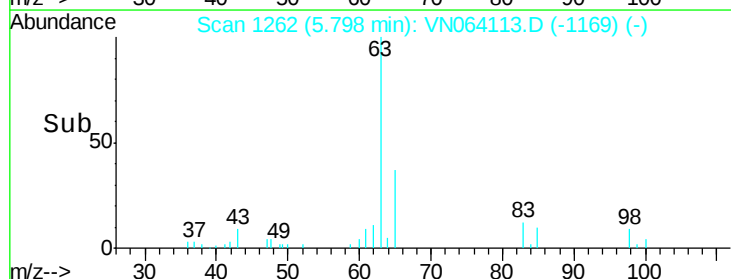
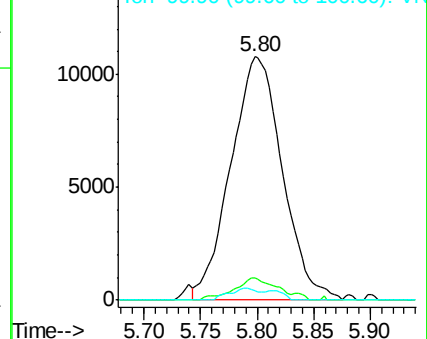
100 3.8 2.1 6.2

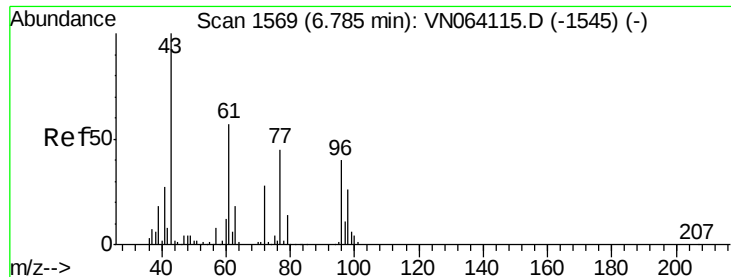


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





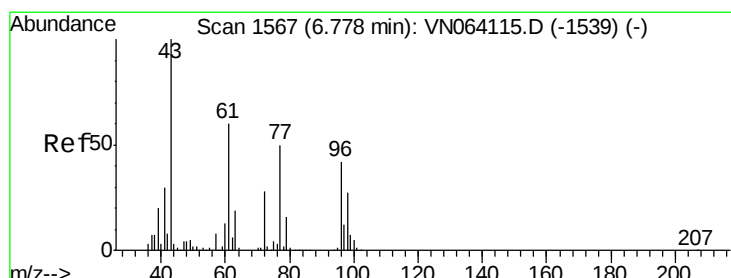
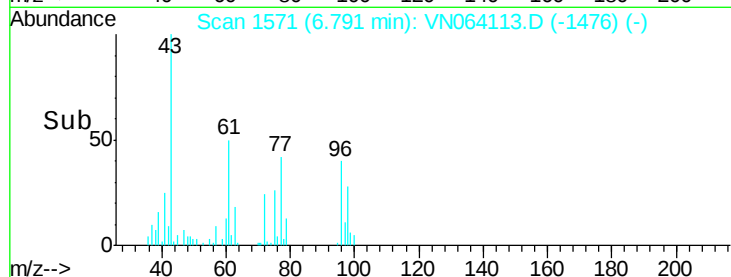
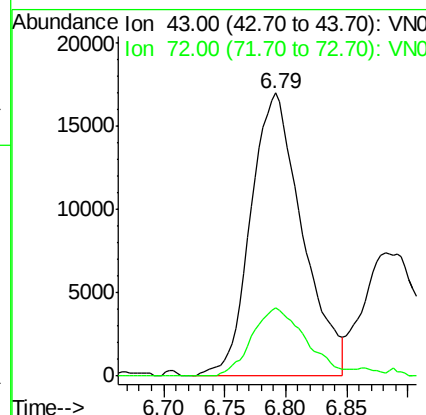
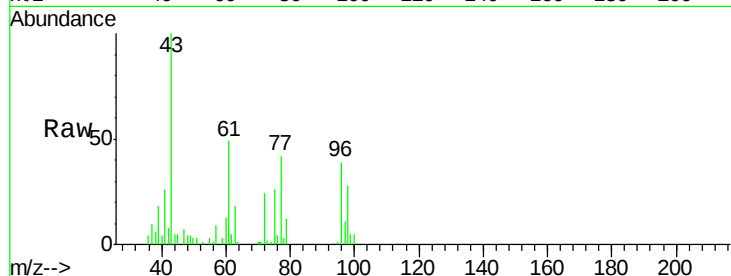
#25
2-Butanone
Concen: 22.806 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 49946
Ion Ratio Lower Upper
43 100
72 24.1 22.2 33.2

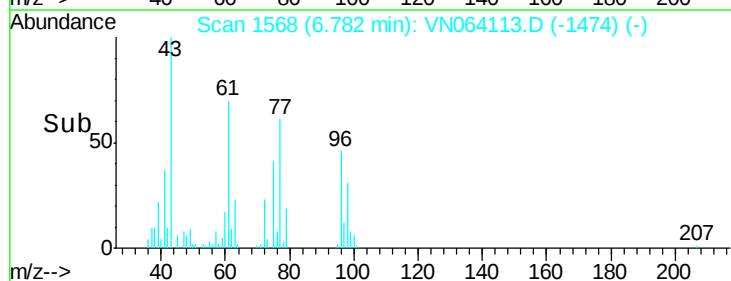
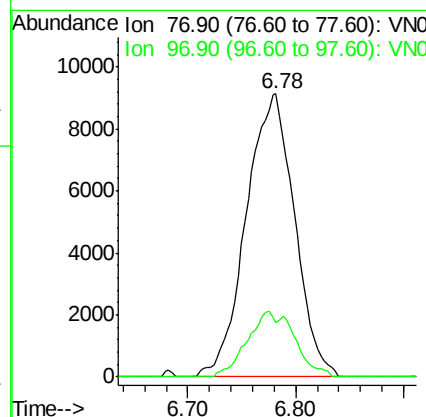
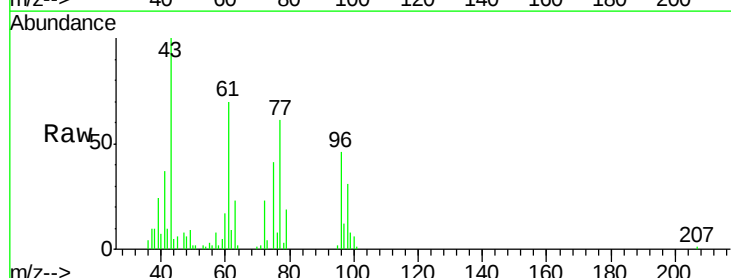
Manual Integrations
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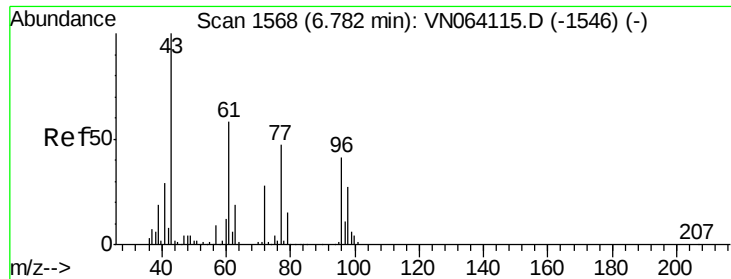
MMDadoda
10/15/2020 12:17:20 PM



#26
2,2-Dichloropropane
Concen: 4.656 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Tgt Ion: 77 Resp: 28432
Ion Ratio Lower Upper
77 100
97 13.7 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 5.156 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

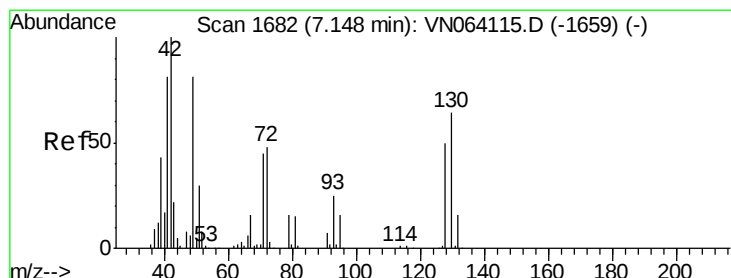
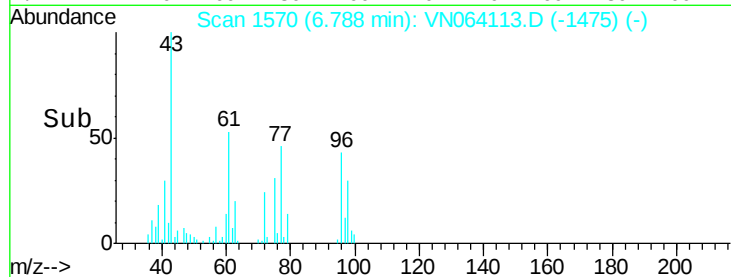
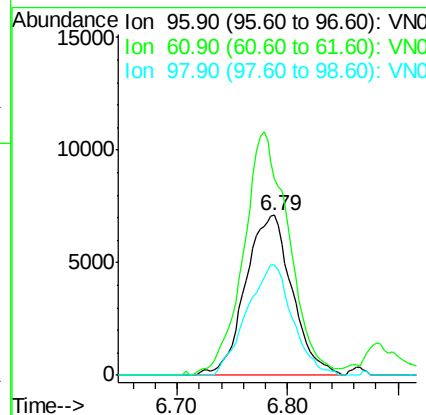
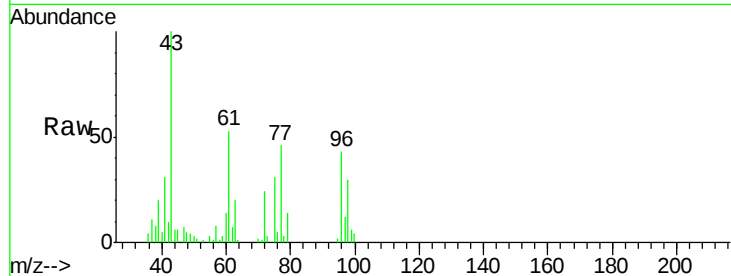
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	20890
Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	285.6
98	67.5	0.0	131.0

Manual Integrations
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MMDadoda
10/15/2020 12:17:20 PM



#28

Bromochloromethane

Concen: 5.105 ug/l

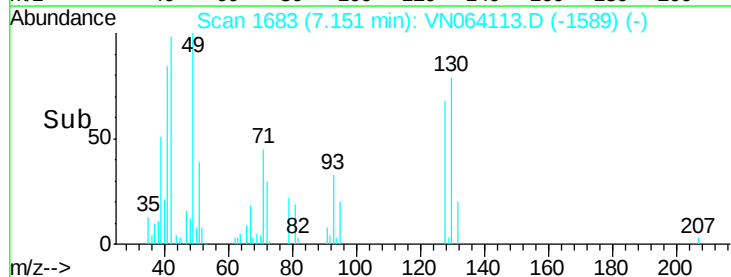
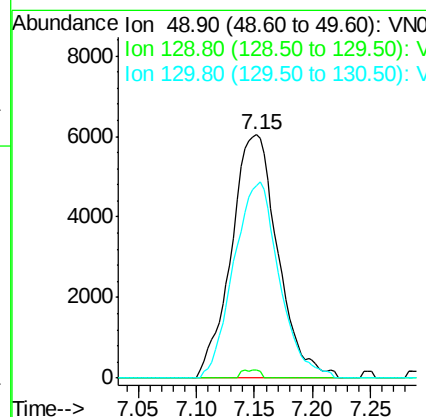
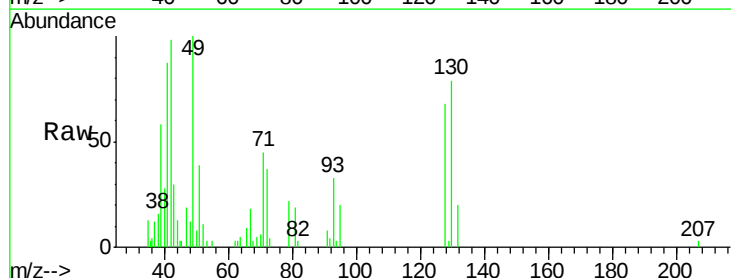
RT: 7.15 min Scan# 1683

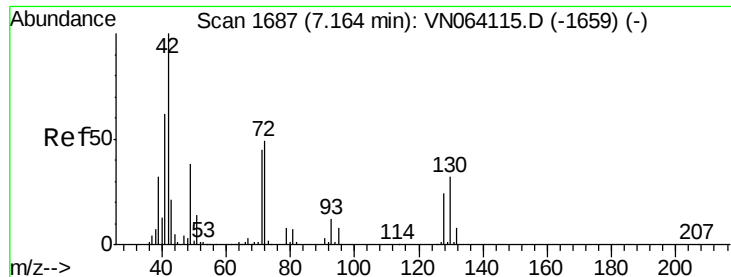
Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Tgt Ion:	49	Resp:	16834
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	2.0
130	79.0	0.0	0.0#





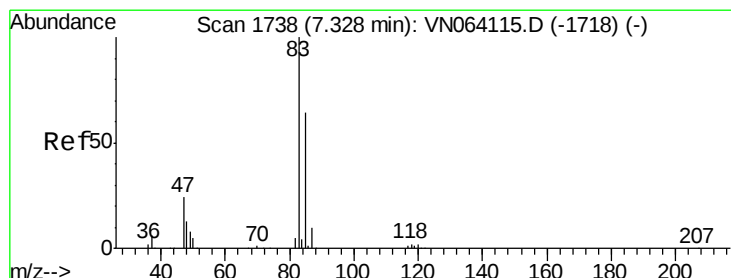
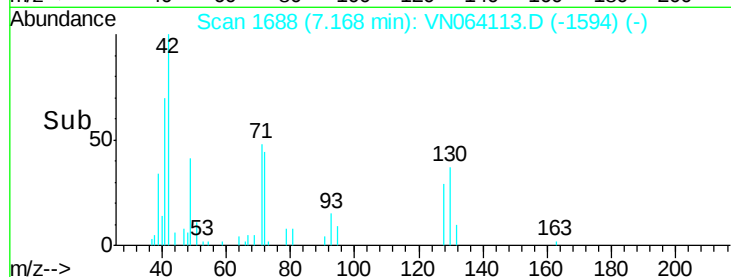
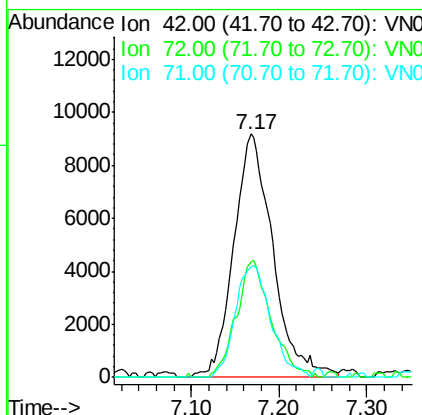
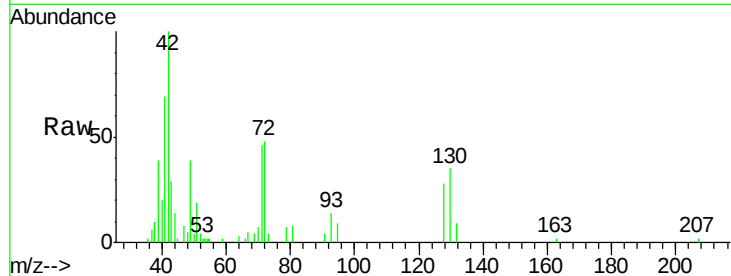
#29
Tetrahydrofuran
Concen: 19.718 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	37.8	56.6
71	41.7	35.3	52.9

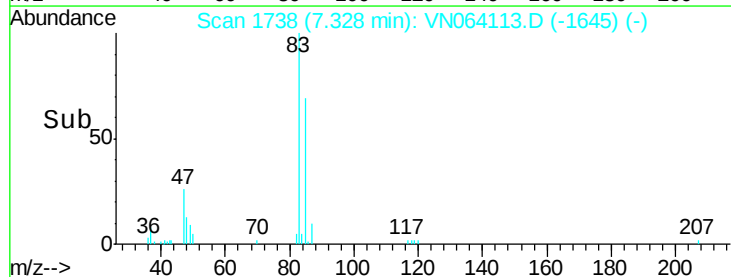
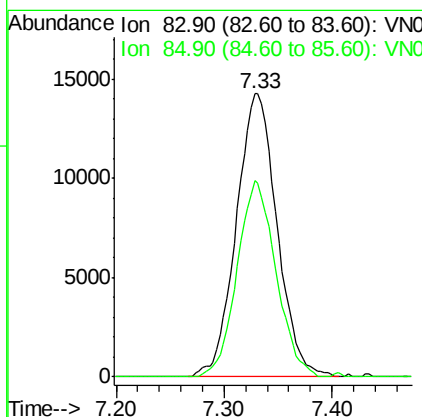
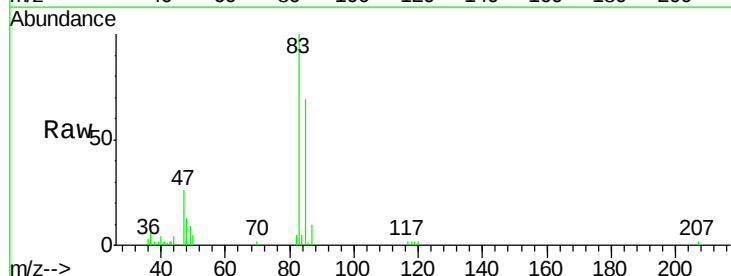
Manual Integrations
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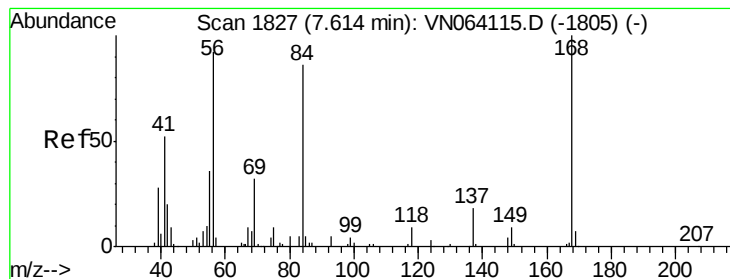
MMDadoda
10/15/2020 12:17:20 PM



#30
Chloroform
Concen: 5.268 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.2	51.5	77.3





#31

Cyclohexane

Concen: 5.085 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 29337

Ion Ratio Lower Upper

56 100

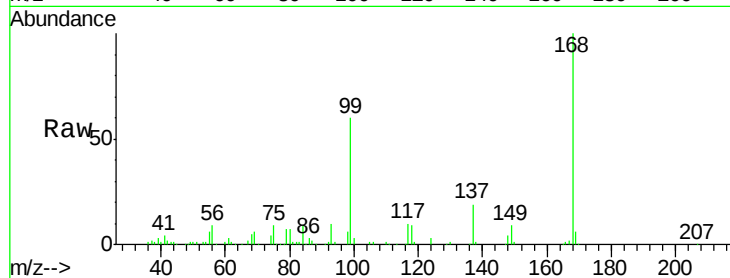
69 68.9 27.8 41.6#

84 93.4 73.2 109.8

Manual Integrations
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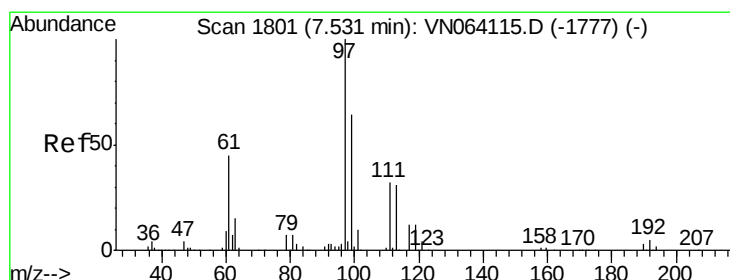
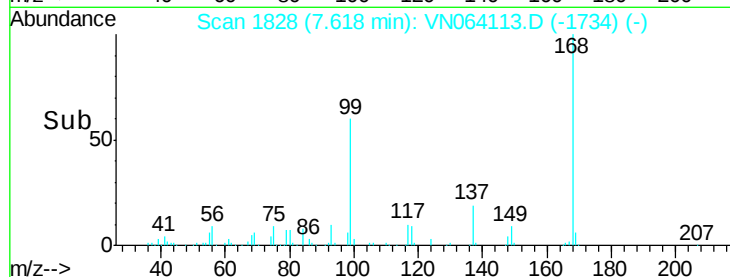
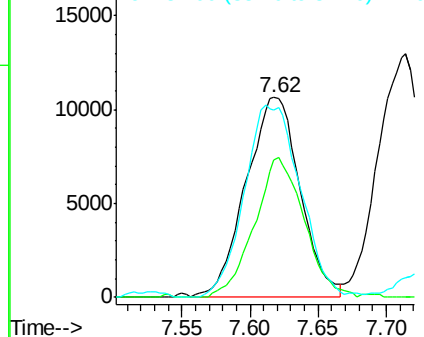
10/15/2020 12:17:20 PM



Abundance Ion 56.00 (55.70 to 56.70): VN064113.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN064113.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN064113.D (-1805) (-)



#32

1,1,1-Trichloroethane

Concen: 5.196 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

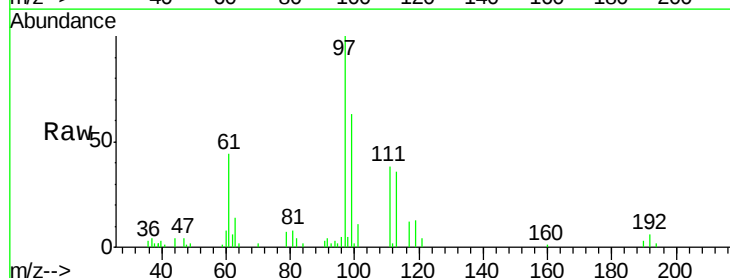
Tgt Ion: 97 Resp: 33077

Ion Ratio Lower Upper

97 100

99 63.2 50.2 75.2

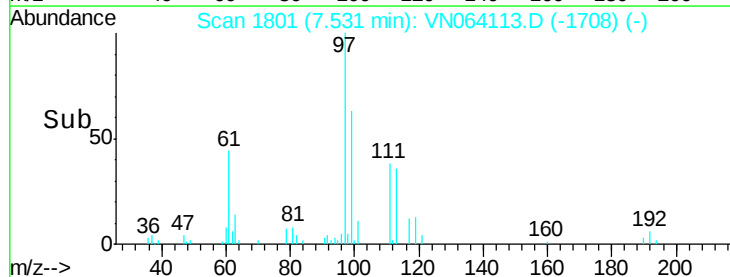
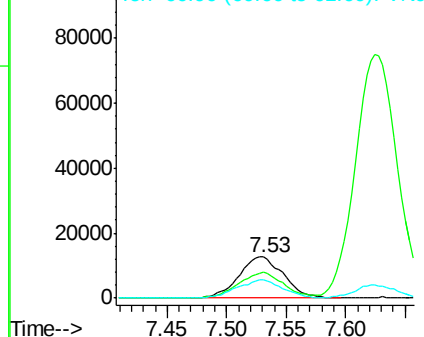
61 45.5 35.6 53.4

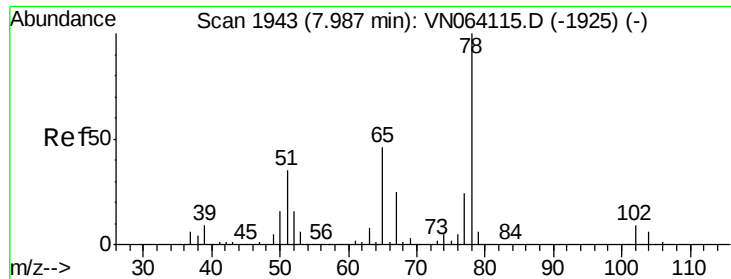


Abundance Ion 96.90 (96.60 to 97.60): VN064113.D (-1777) (-)

Ion 98.90 (98.60 to 99.60): VN064113.D (-1777) (-)

Ion 60.90 (60.60 to 61.60): VN064113.D (-1777) (-)





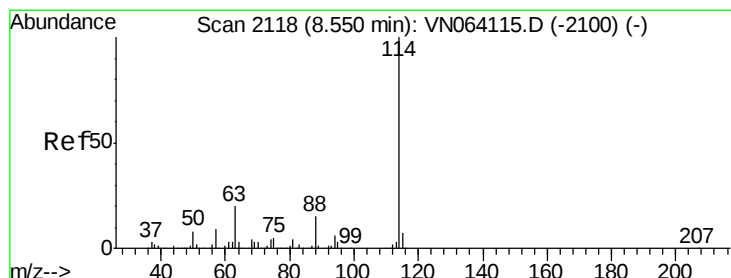
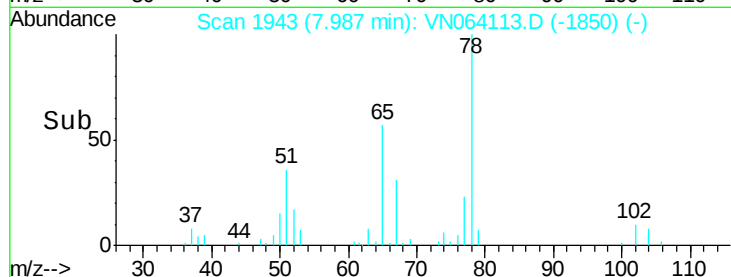
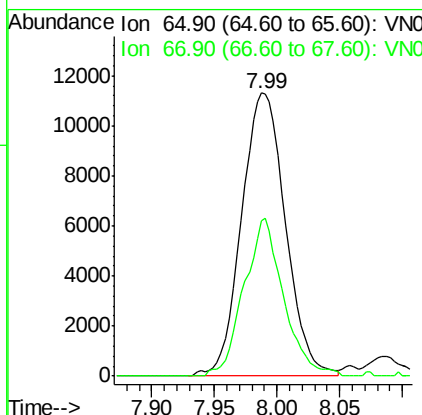
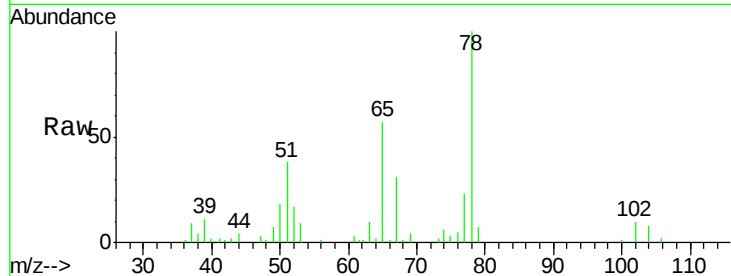
#33
 1,2-Dichloroethane-d4
 Concen: 5.573 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	27599		
67	50.4	0.0	0.0	105.6

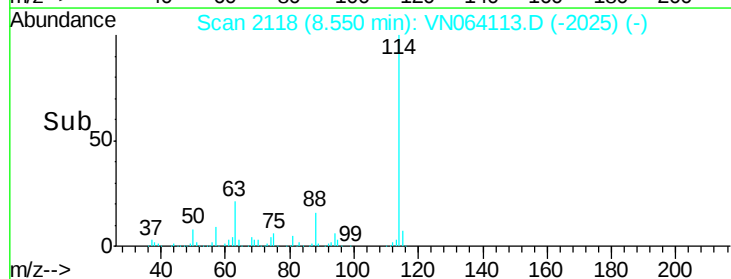
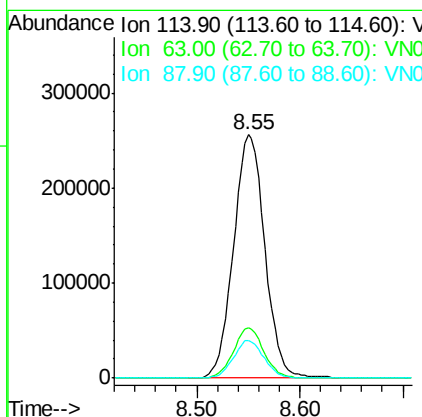
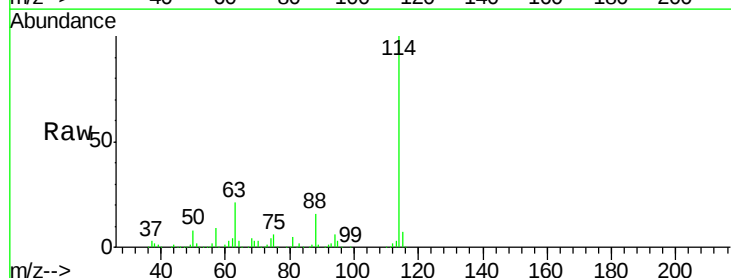
Manual Integrations
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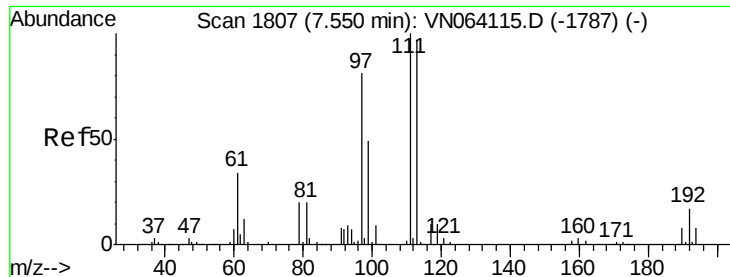
MMDadoda
 10/15/2020 12:17:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	540813		
63	20.6	0.0	0.0	41.0
88	15.5	0.0	0.0	29.2





#35

Dibromofluoromethane

Concen: 6.093 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:113 Resp: 22703

Ion Ratio Lower Upper

113 100

111 95.7 81.9 122.9

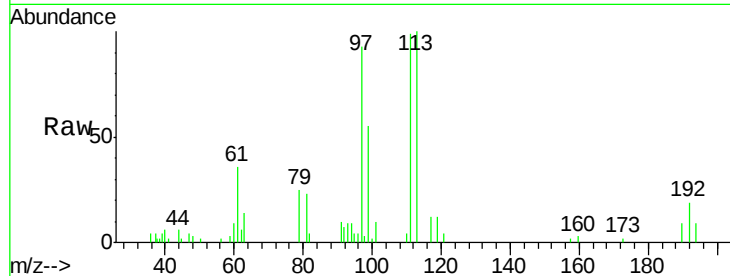
192 16.5 14.3 21.5

Manual Integrations

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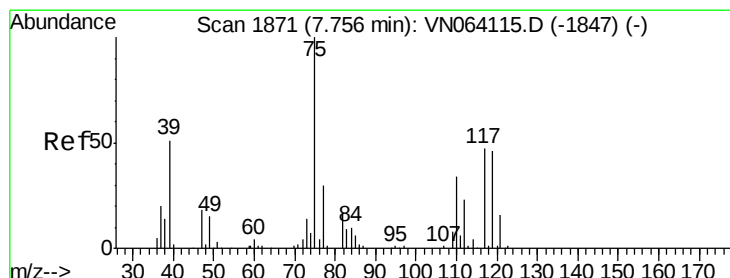
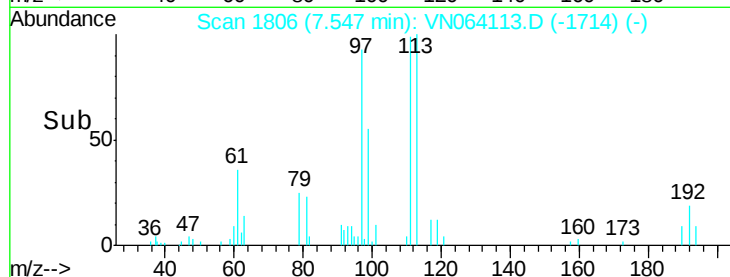
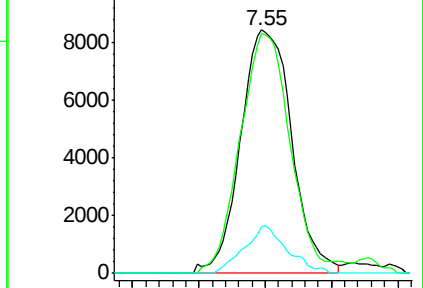
10/15/2020 12:17:20 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.443 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

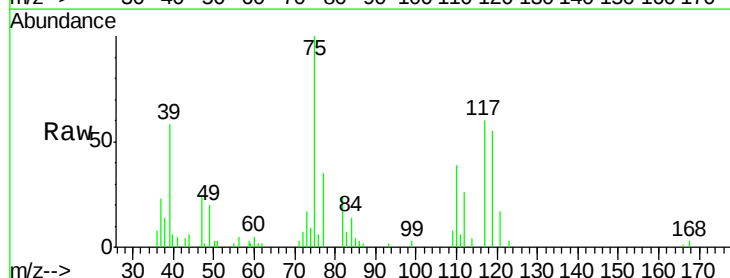
Tgt Ion: 75 Resp: 24301

Ion Ratio Lower Upper

75 100

110 39.1 17.8 53.3

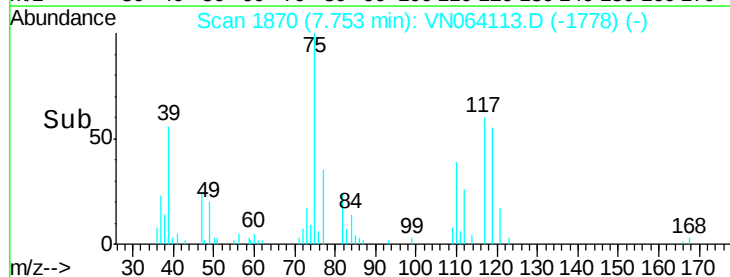
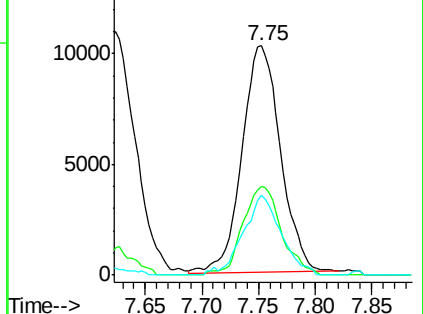
77 34.4 24.9 37.3

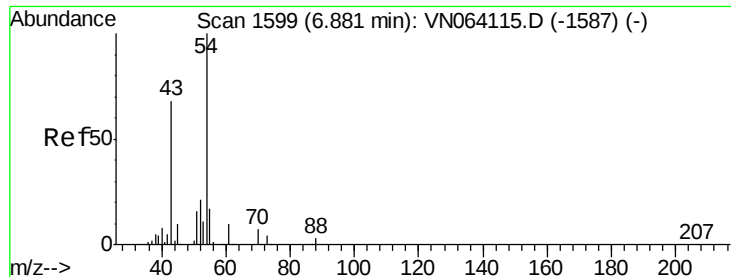


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





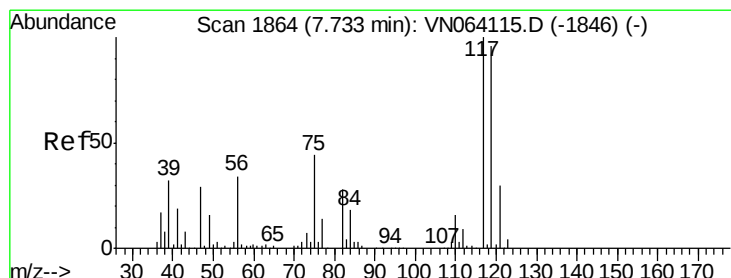
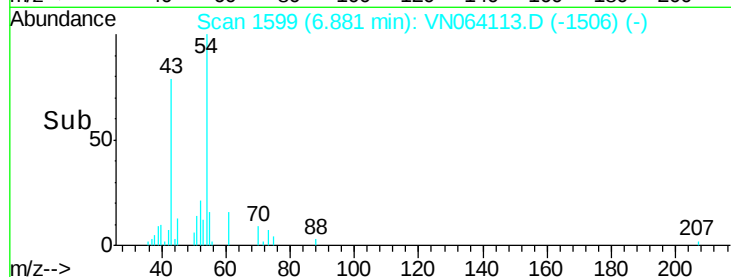
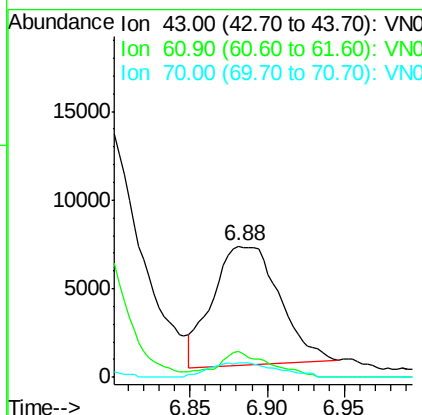
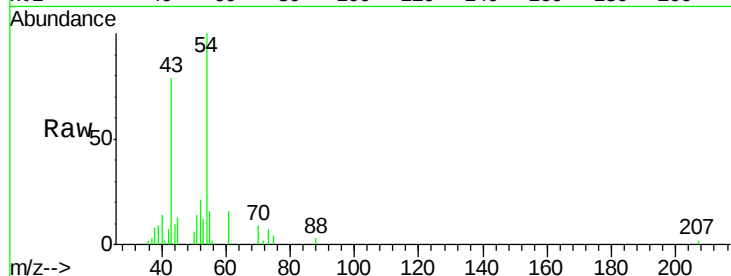
#37
Ethyl Acetate
Concen: 3.726 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.5	11.3	16.9#
70	12.8	7.7	11.5#

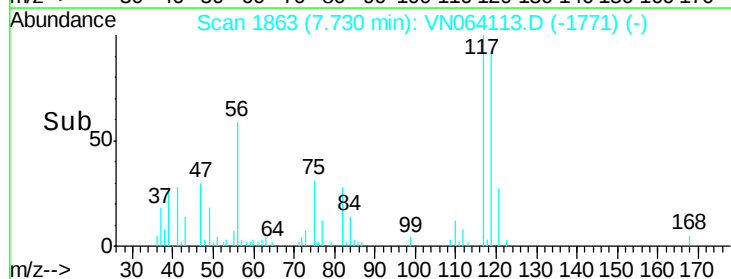
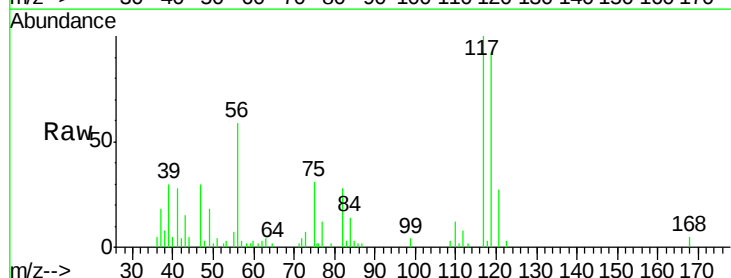
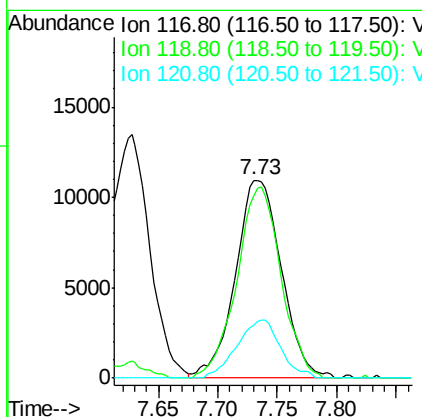
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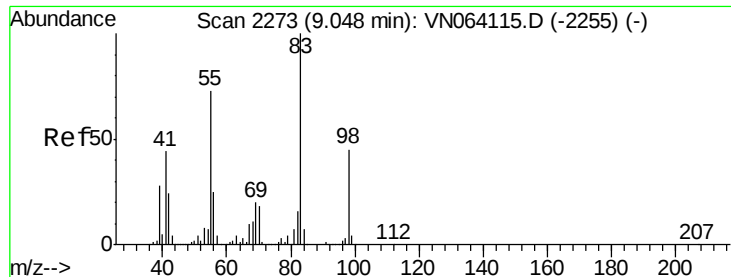
MMDadoda
10/15/2020 12:17:20 PM



#38
Carbon Tetrachloride
Concen: 4.821 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	77.0	115.4
121	26.9	24.2	36.4





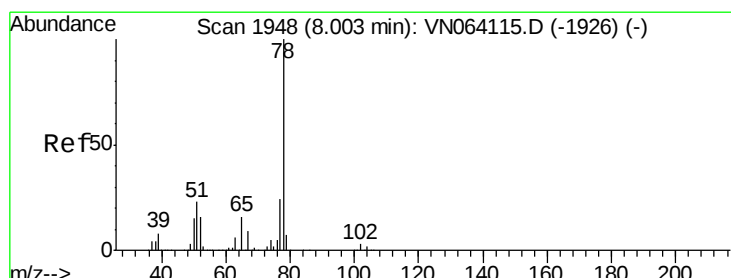
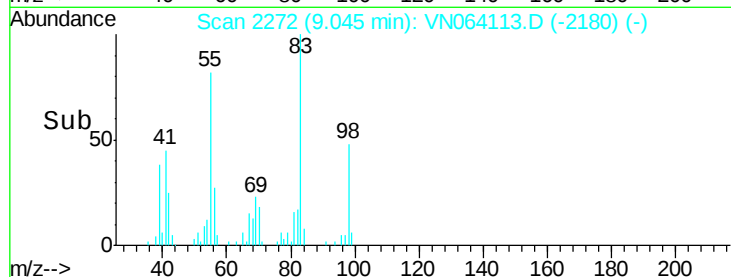
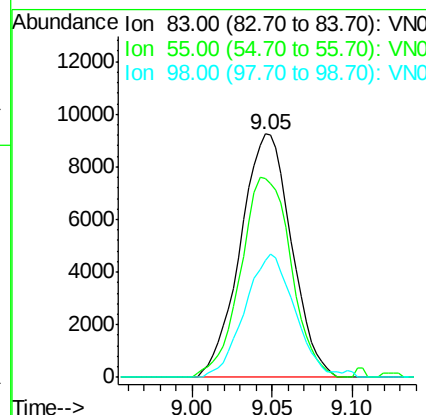
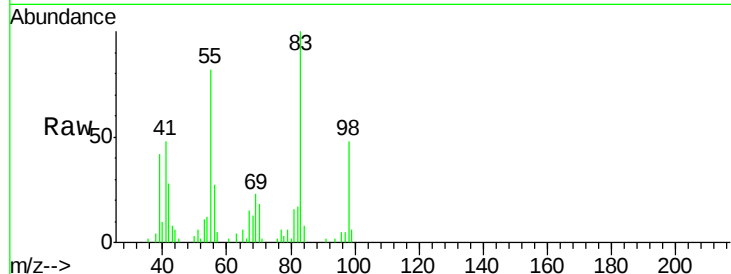
#39
Methvlcvclohexane
Concen: 3.789 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.7	58.5	87.7
98	48.2	36.2	54.2

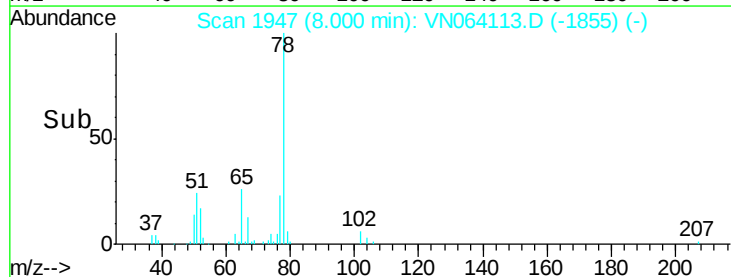
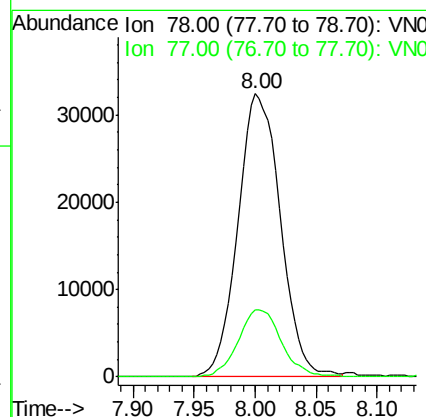
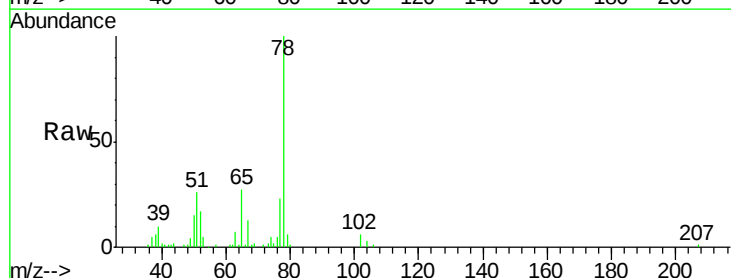
Manual Integrations
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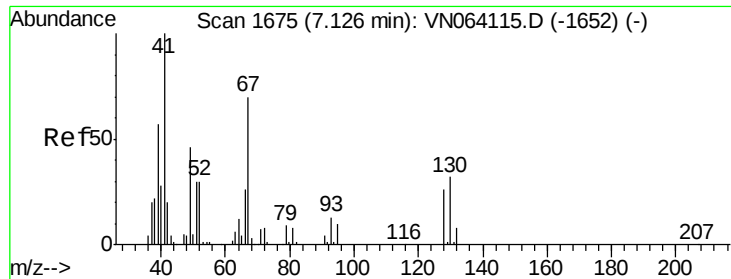
MMDadoda
10/15/2020 12:17:20 PM



#40
Benzene
Concen: 4.961 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9





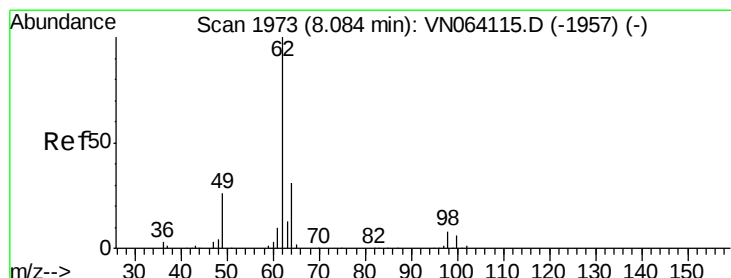
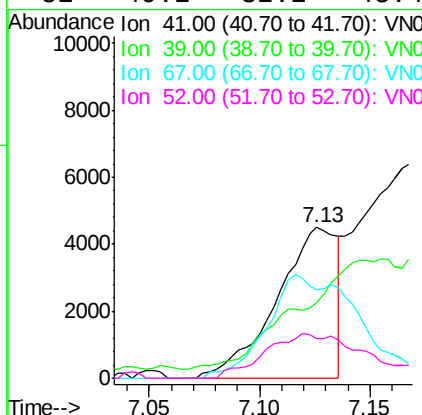
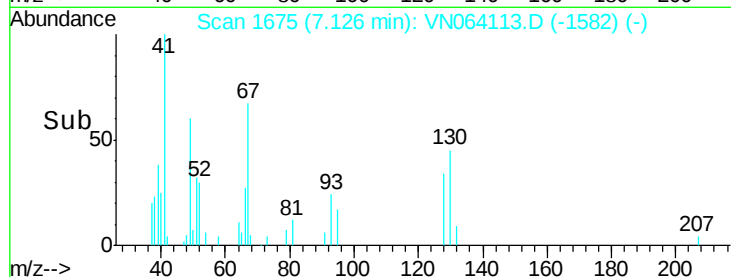
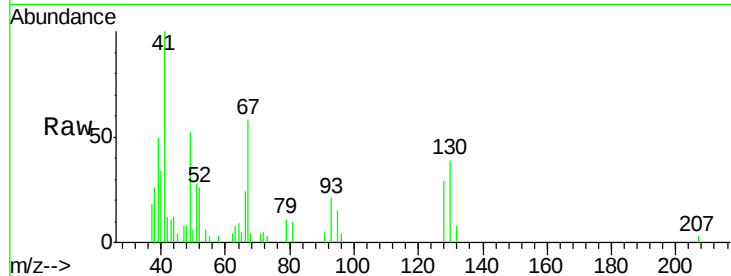
#41
Methacrylonitrile
Concen: 3.689 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.7	76.1#
67	54.9	73.8	110.6#
52	49.2	32.2	48.4#

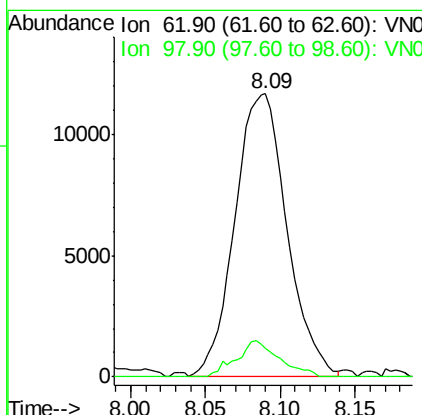
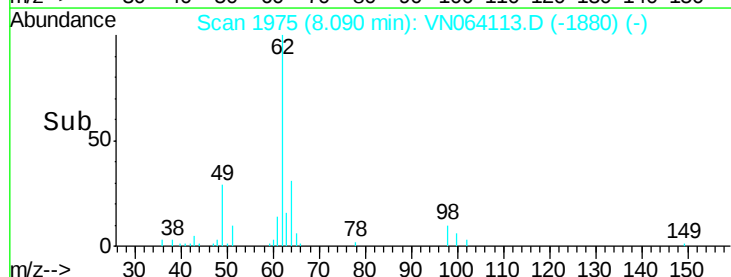
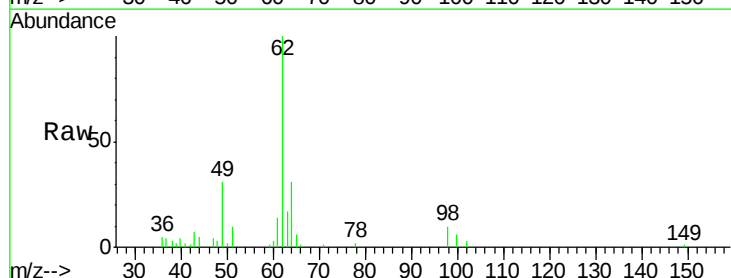
Manual Integrations
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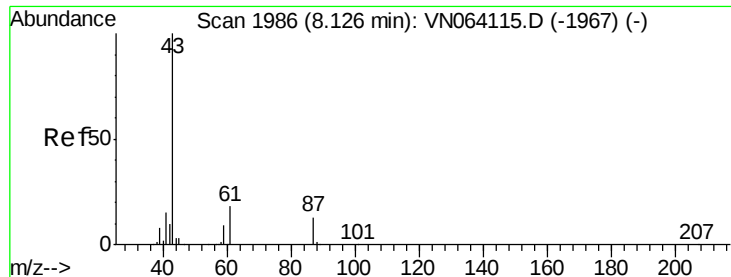
MMDadoda
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#42
1,2-Dichloroethane
Concen: 4.322 ug/l
RT: 8.09 min Scan# 1975
Delta R.T. 0.01 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	17.6





#43

Isopropyl Acetate

Concen: 4.161 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

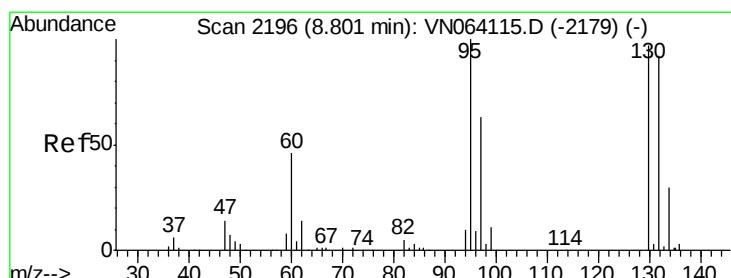
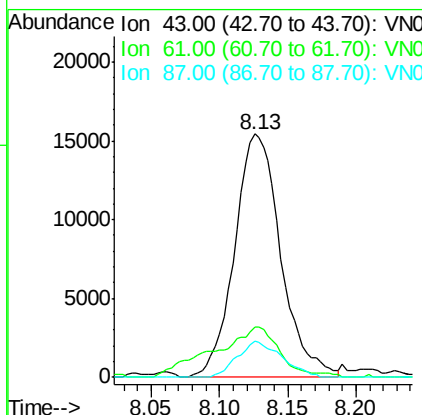
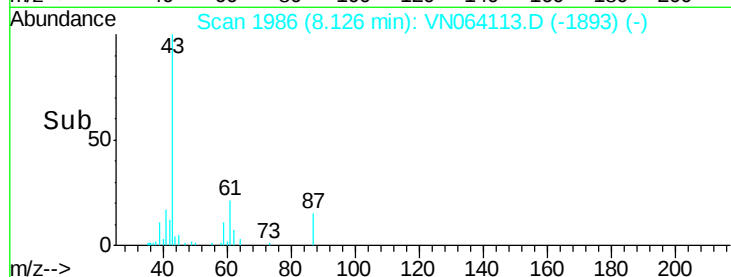
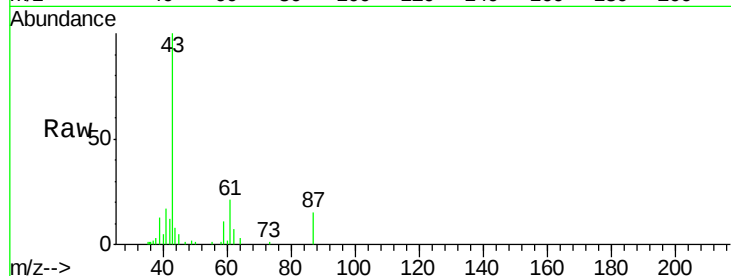
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	36332
Ion	Ratio	Lower	Upper
43	100		
61	29.9	21.9	32.9
87	14.3	11.0	16.4

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#44

Trichloroethene

Concen: 5.232 ug/l

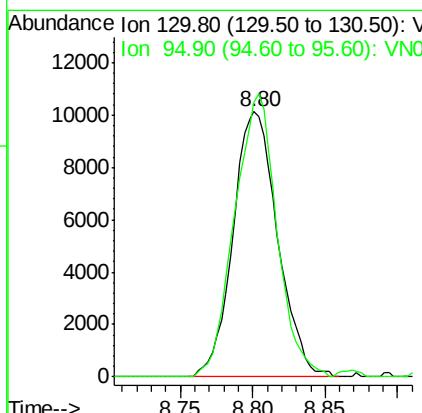
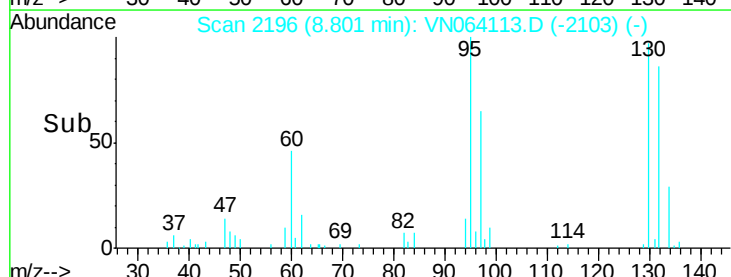
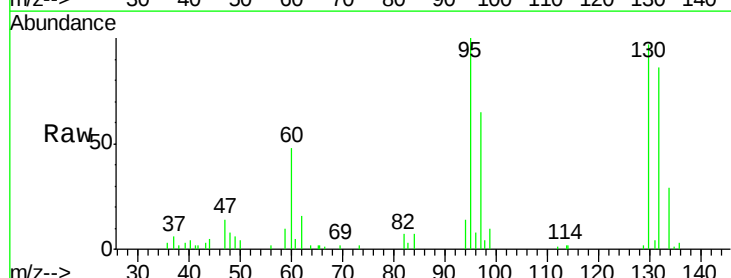
RT: 8.80 min Scan# 2196

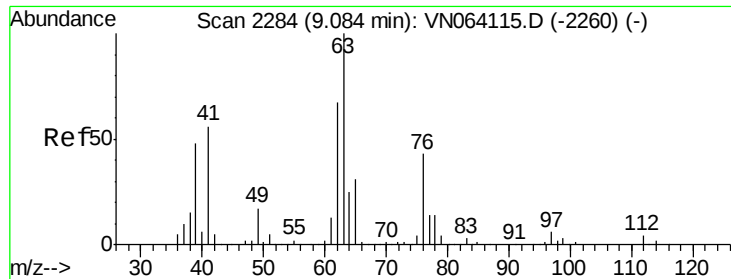
Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Tgt Ion:	130	Resp:	21703
Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	206.2





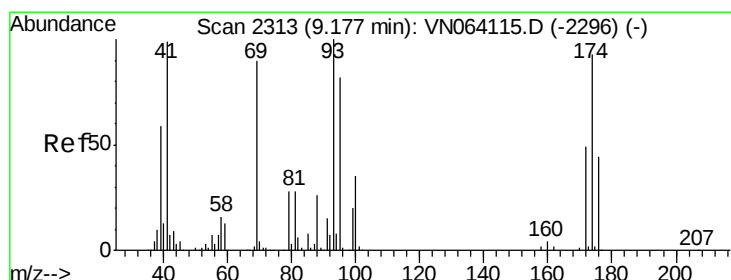
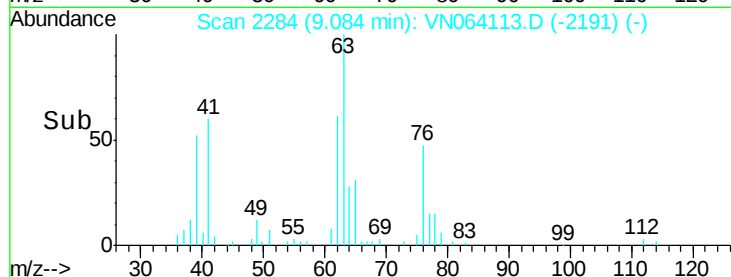
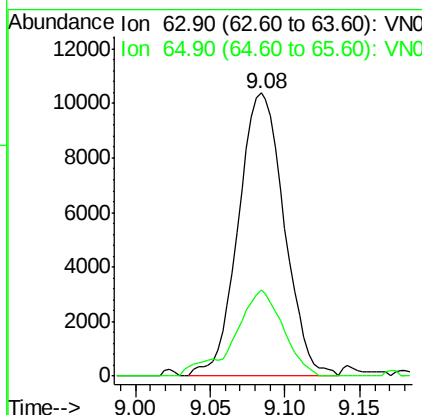
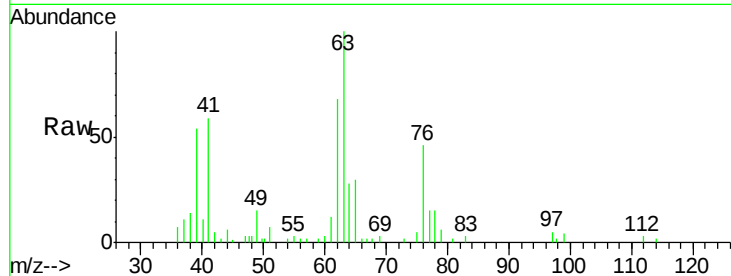
#45
 1,2-Dichloropropane
 Concen: 5.250 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 22161
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6

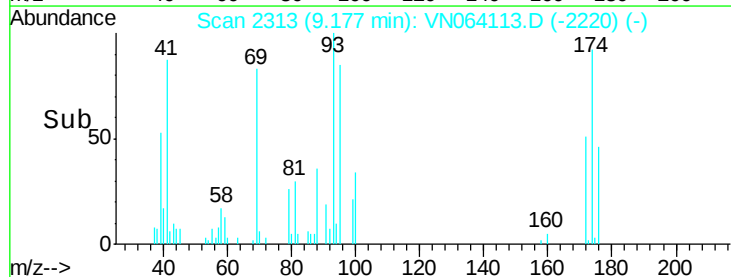
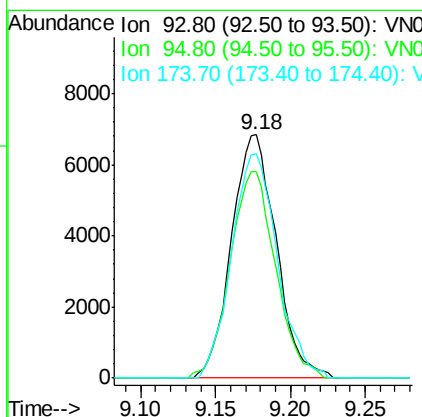
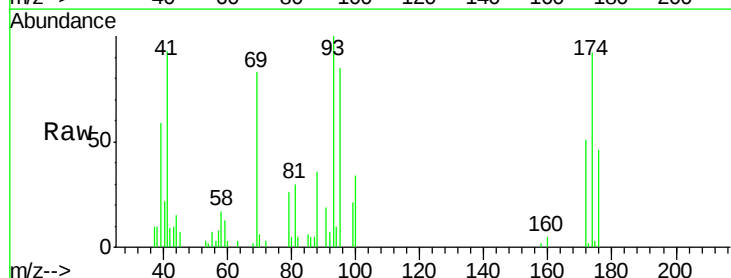
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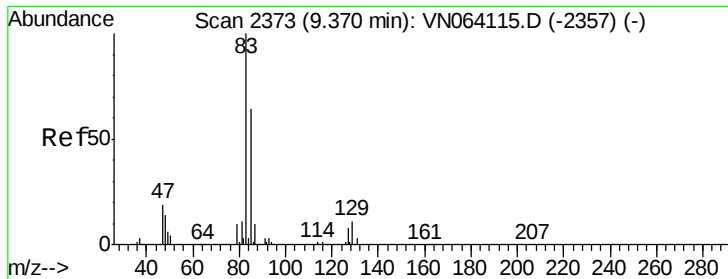
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#46
 Dibromomethane
 Concen: 4.865 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Tgt Ion: 93 Resp: 14243
 Ion Ratio Lower Upper
 93 100
 95 86.1 66.8 100.2
 174 94.2 75.2 112.8





#47

Bromodichloromethane

Concen: 4.714 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

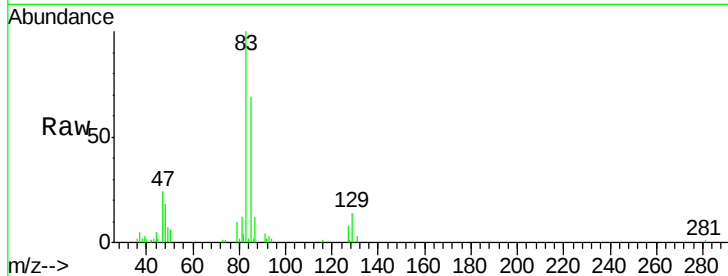
ClientSampleId :

VSTDIC005

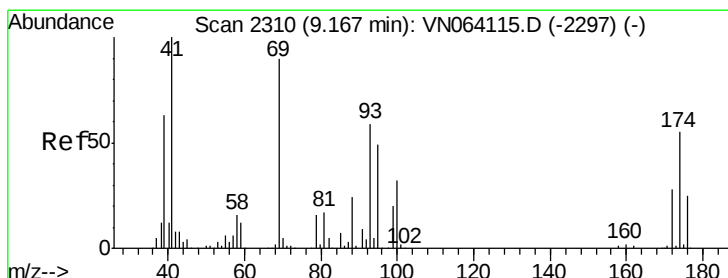
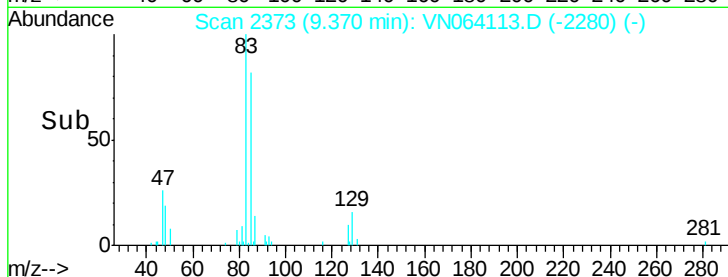
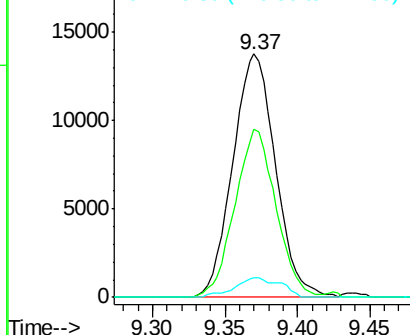
Tot Ion:	83	Resp:	28246
Ion	Ratio	Lower	Upper
83	100		
85	69.3	50.8	76.2
127	8.3	6.6	9.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 3.427 ug/l

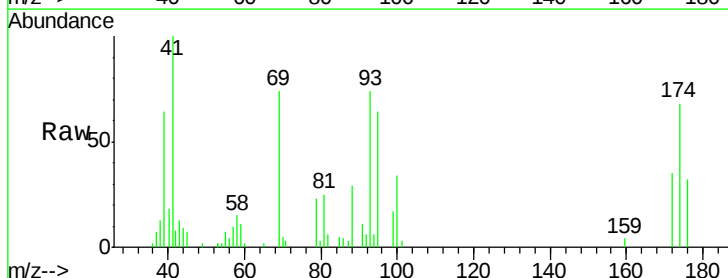
RT: 9.17 min Scan# 2311

Delta R.T. 0.00 min

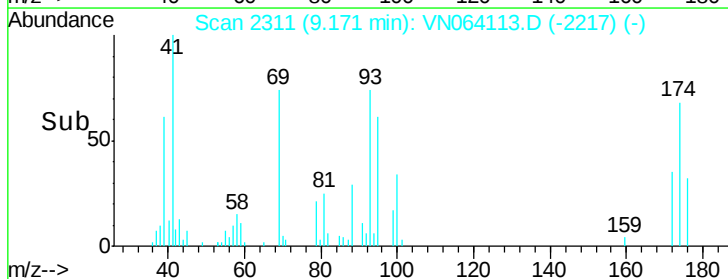
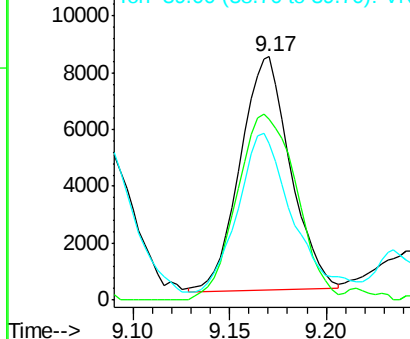
Lab File: VN064113.D

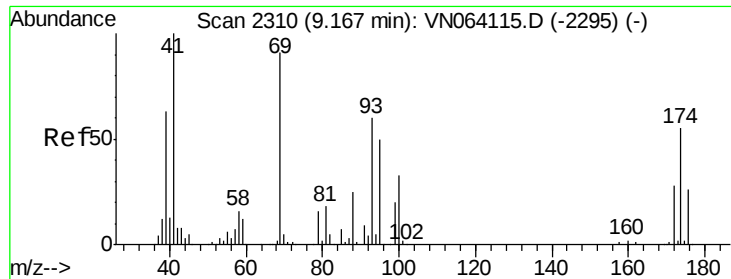
Acq: 14 Oct 2020 14:42

Tgt Ion:	41	Resp:	14808
Ion	Ratio	Lower	Upper
41	100		
69	94.4	71.4	107.2
39	74.0	52.5	78.7



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





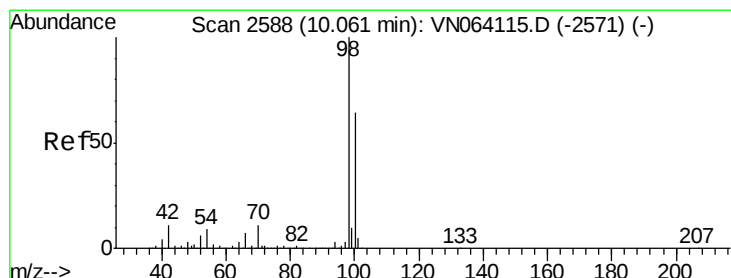
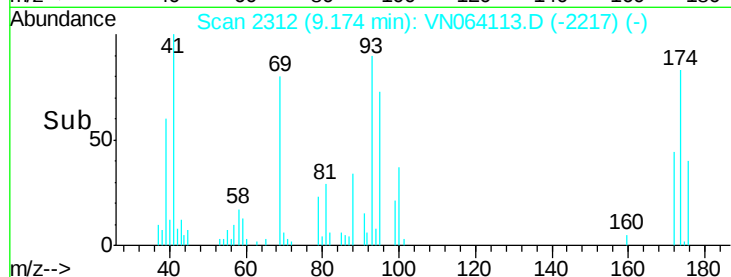
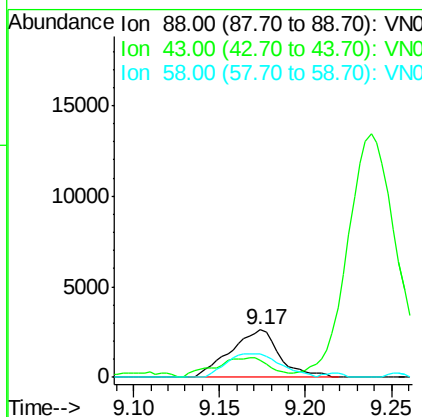
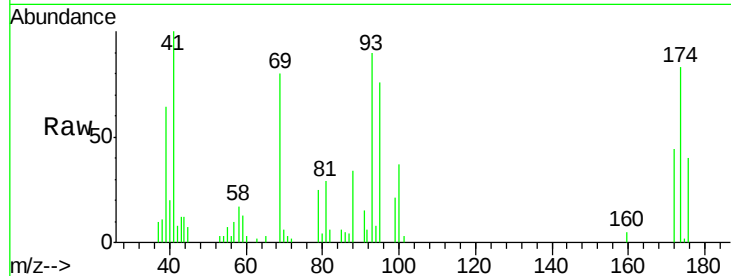
#49
1,4-Dioxane
Concen: 85.146 ug/l
RT: 9.17 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.9	27.2	40.8#
58	54.8	52.6	78.8

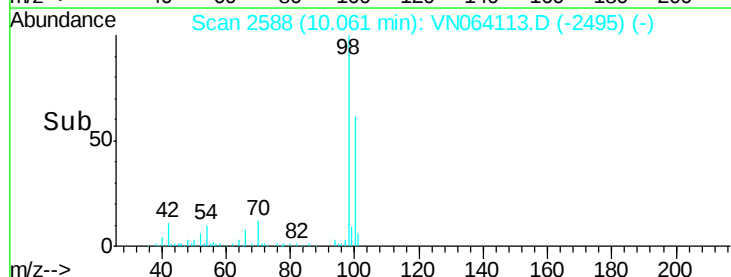
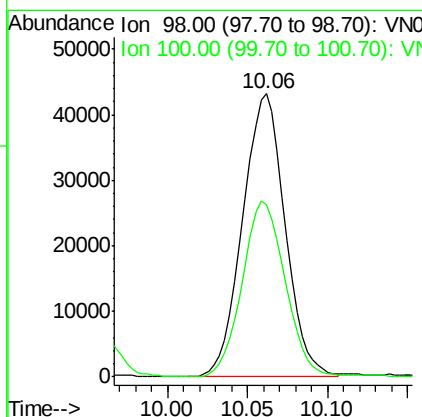
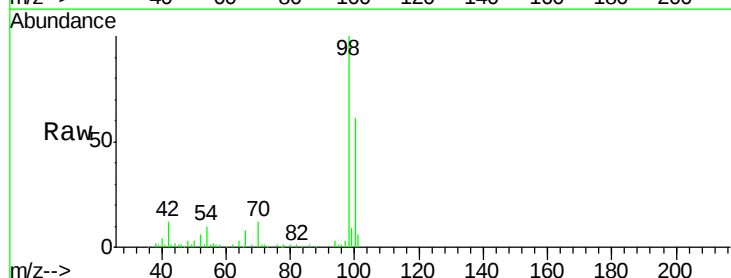
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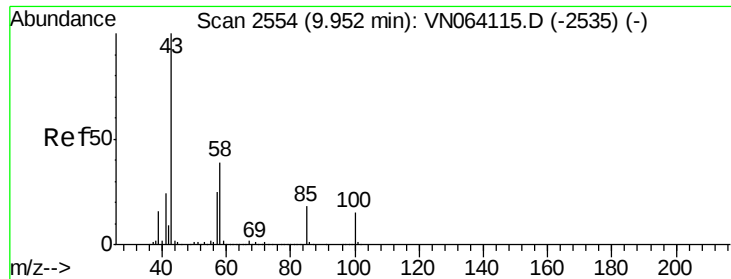
MMDadoda
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#50
Toluene-d8
Concen: 5.518 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 20.630 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 106092

Ion Ratio Lower Upper

43 100

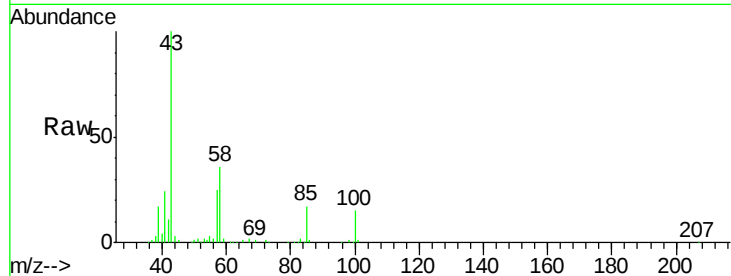
58 38.8 31.2 46.8

Manual Integrations

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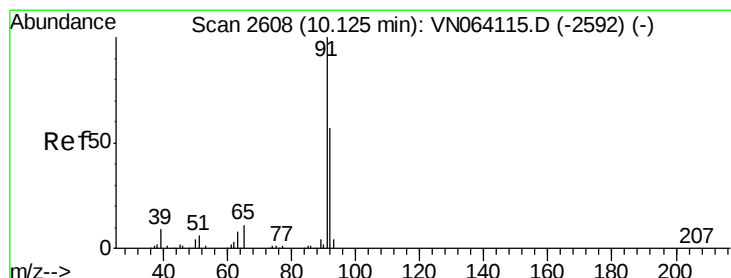
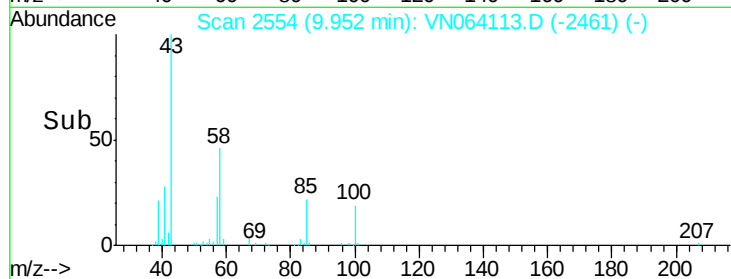
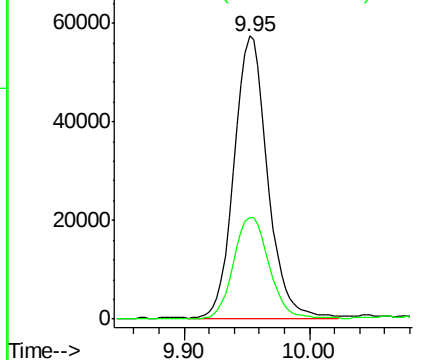
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 4.876 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064113.D

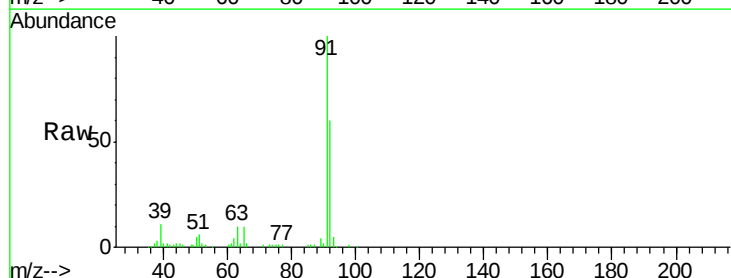
Acq: 14 Oct 2020 14:42

Tgt Ion: 92 Resp: 47593

Ion Ratio Lower Upper

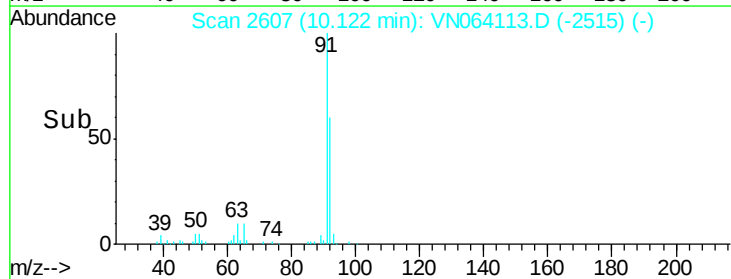
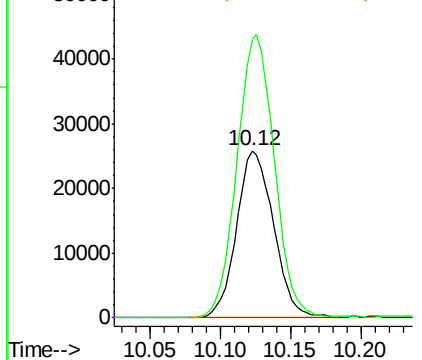
92 100

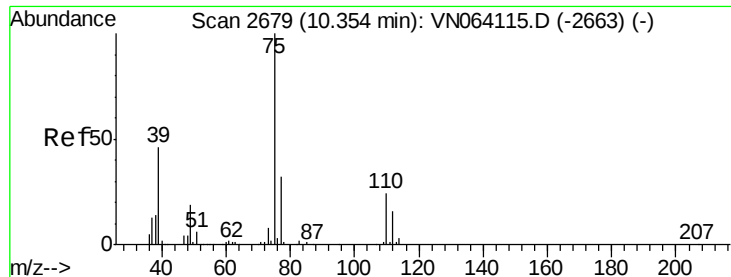
91 171.1 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





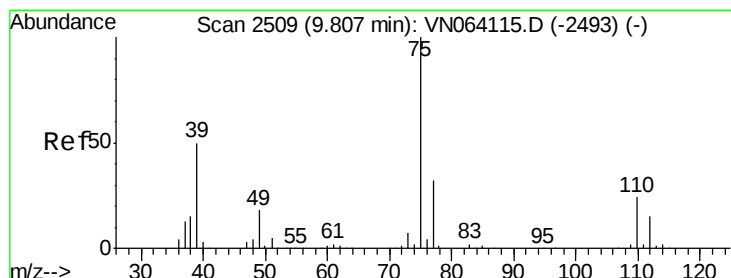
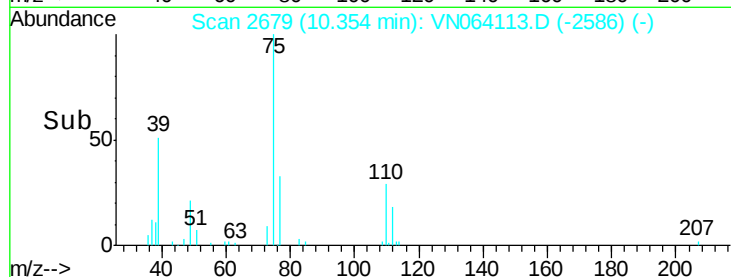
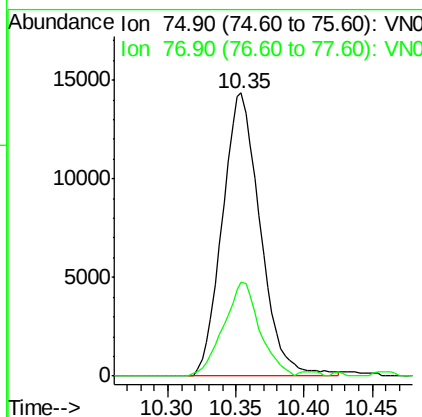
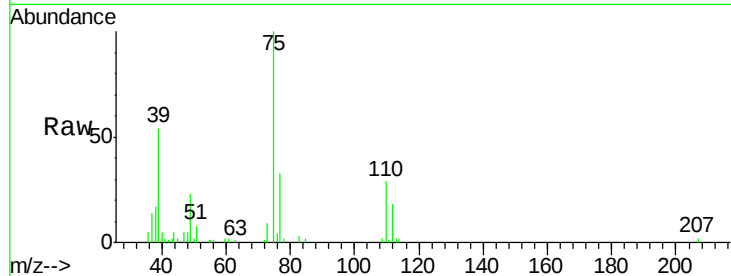
#53
 t-1,3-Dichloropropene
 Concen: 4.347 ug/l
 RT: 10.35 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 27745
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.6 38.4

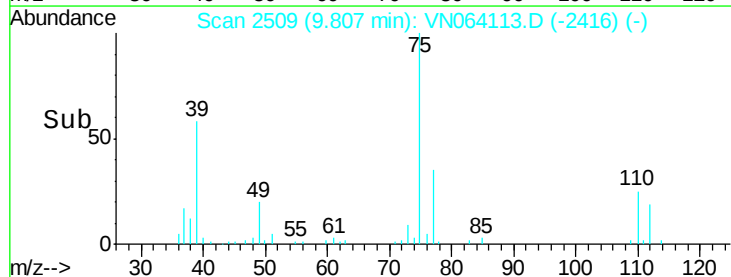
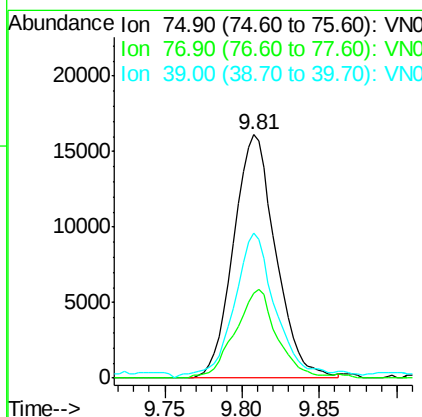
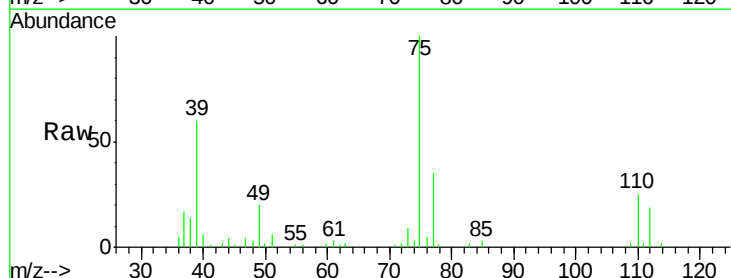
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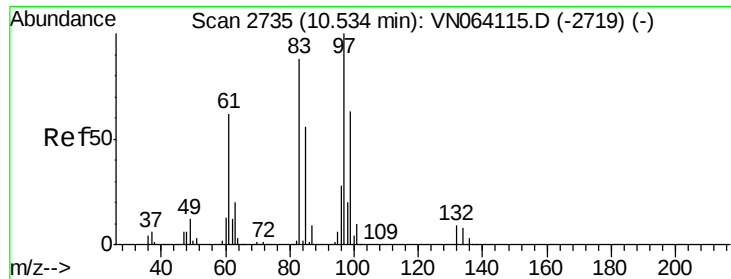
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#54
 cis-1,3-Dichloropropene
 Concen: 4.566 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Tgt Ion: 75 Resp: 30571
 Ion Ratio Lower Upper
 75 100
 77 35.1 25.2 37.8
 39 56.8 39.8 59.8





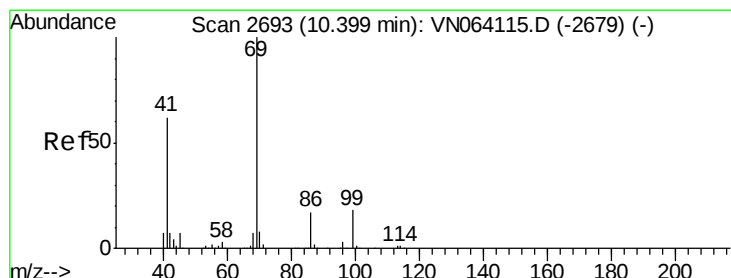
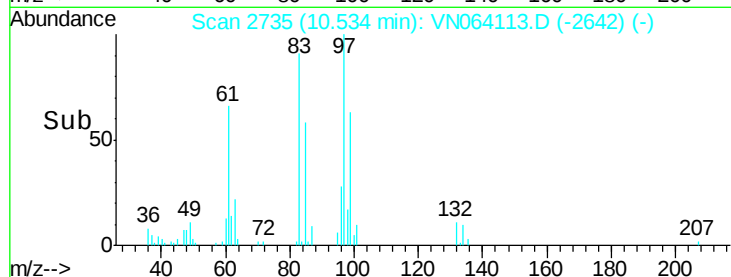
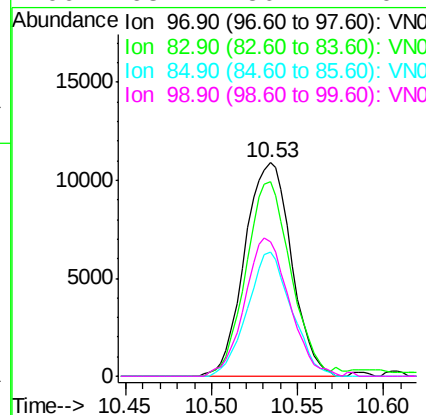
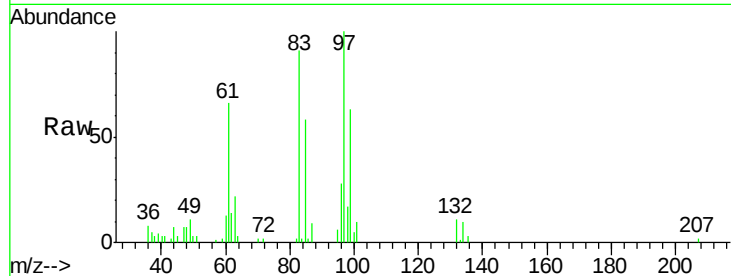
#55
 1,1,2-Trichloroethane
 Concen: 5.266 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	20563
Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.2	105.4
85	58.4	45.0	67.6
99	63.2	50.7	76.1

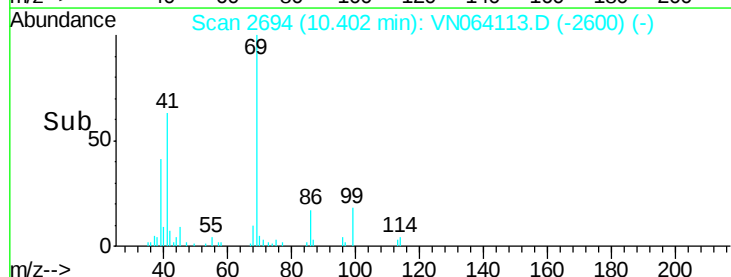
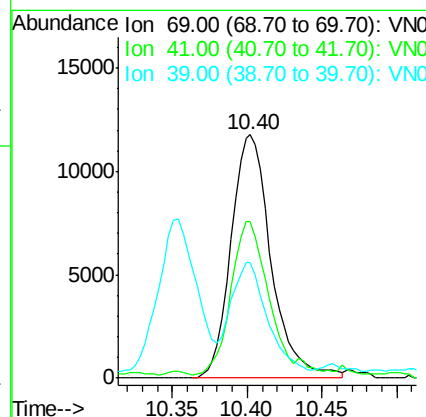
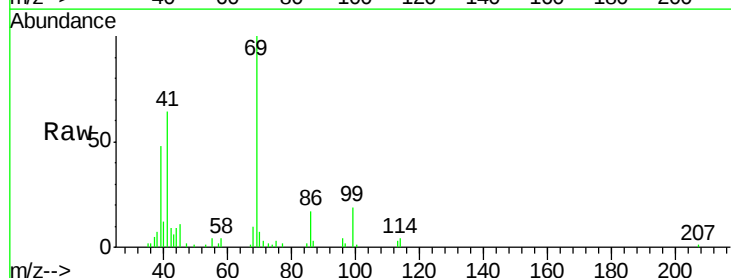
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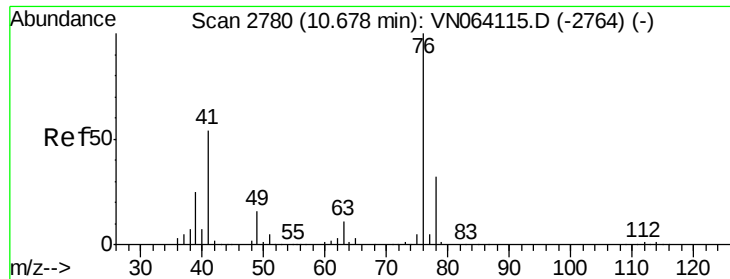
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#56
 Ethyl methacrylate
 Concen: 4.013 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Tgt Ion:	69	Resp:	21950
Ion	Ratio	Lower	Upper
69	100		
41	59.9	49.3	73.9
39	40.8	32.7	49.1





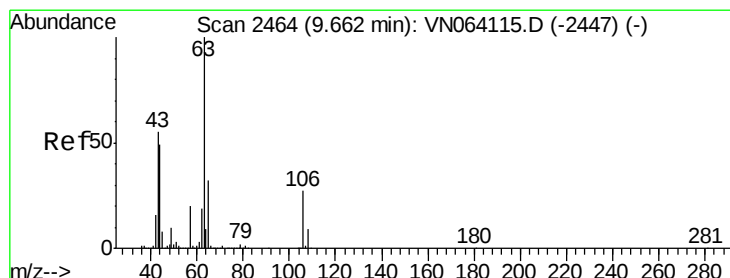
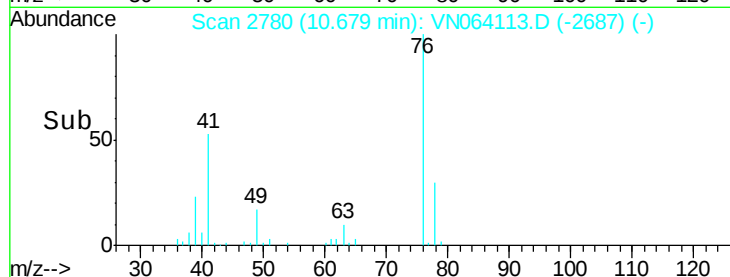
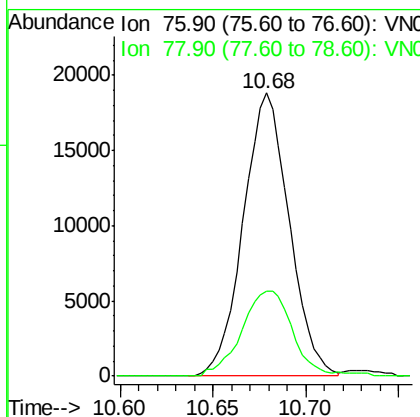
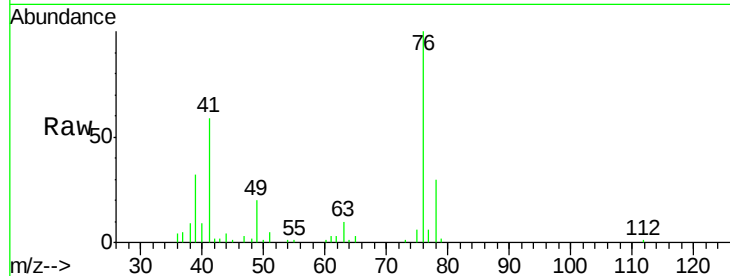
#57
 1,3-Dichloropropane
 Concen: 4.917 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 32339
 Ion Ratio Lower Upper
 76 100
 78 33.7 26.1 39.1

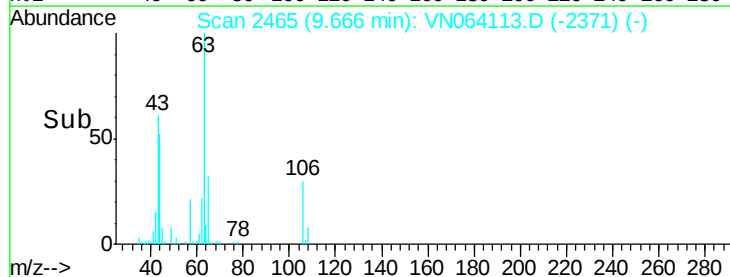
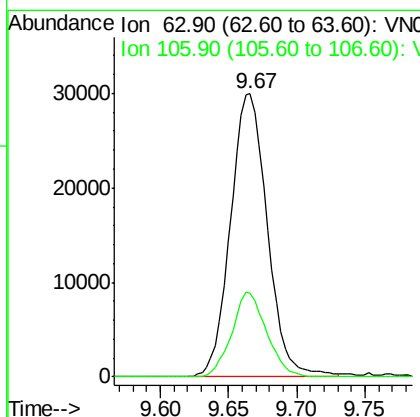
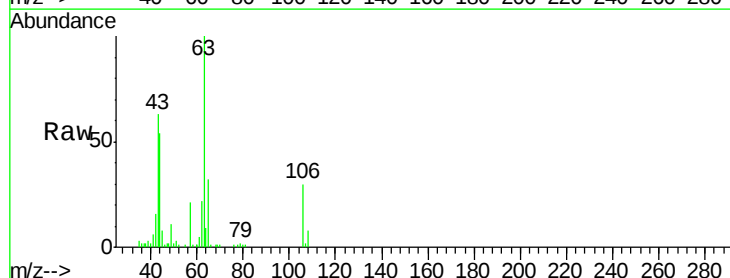
Manual Integrations
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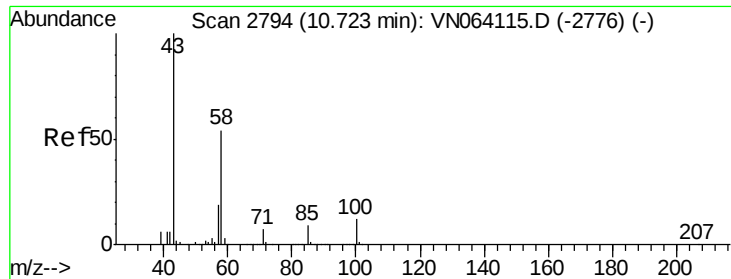
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#58
 2-Chloroethyl Vinyl ether
 Concen: 19.360 ug/l
 RT: 9.67 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Tgt Ion: 63 Resp: 56331
 Ion Ratio Lower Upper
 63 100
 106 28.2 21.8 32.6





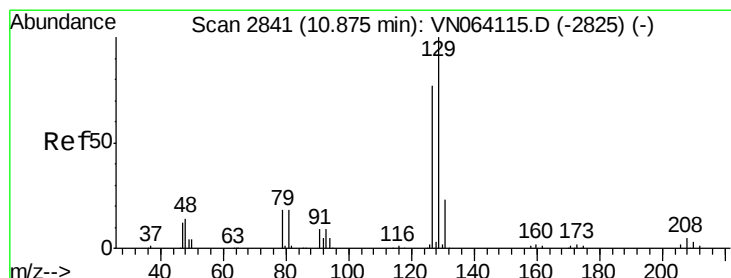
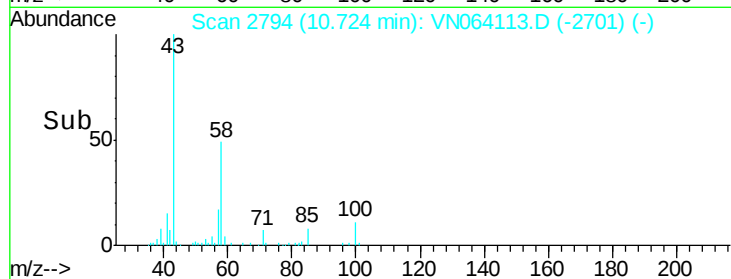
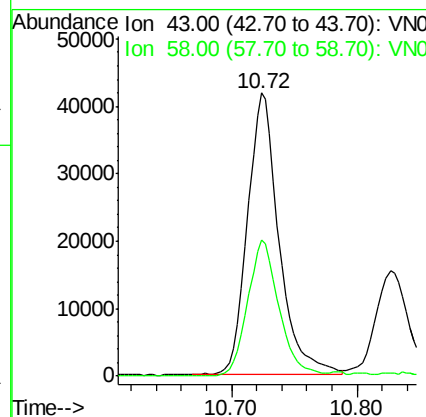
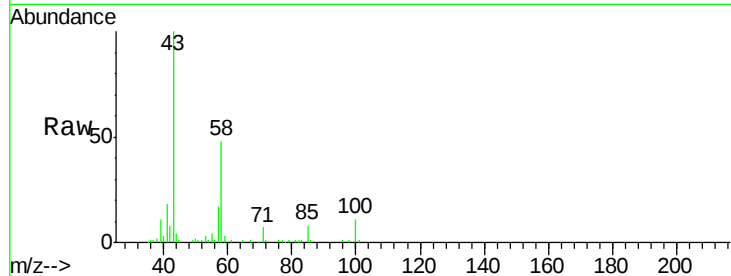
#59
2-Hexanone
Concen: 19.180 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	73055
Ion Ratio	100	Lower	Upper
43	100		
58	48.2	27.2	81.6

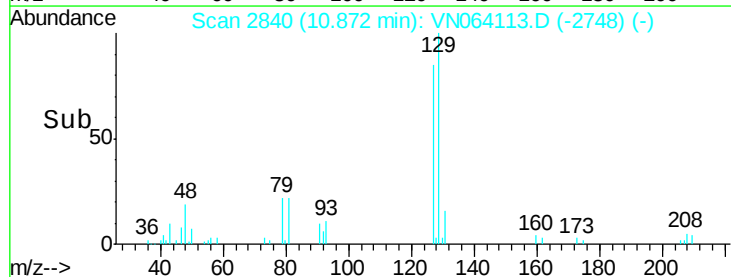
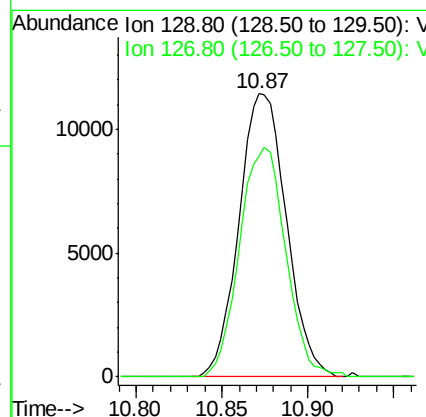
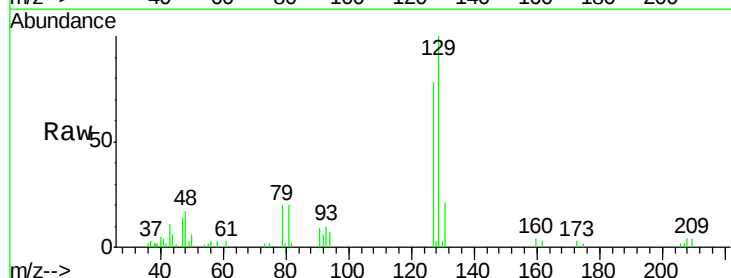
Manual Integrations
APPROVED

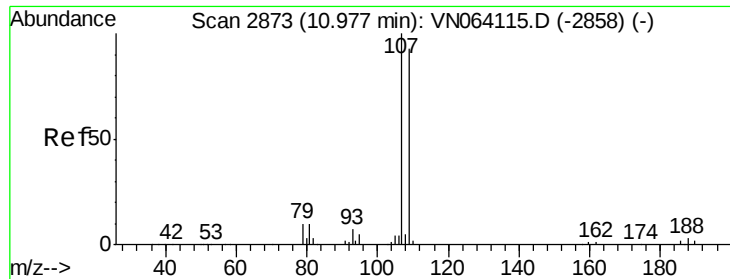
MMDadoda
10/15/2020 12:17:20 PM



#60
Dibromochloromethane
Concen: 4.806 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Tgt Ion	129	Resp	21911
Ion Ratio	100	Lower	Upper
129	100		
127	79.1	38.2	114.6





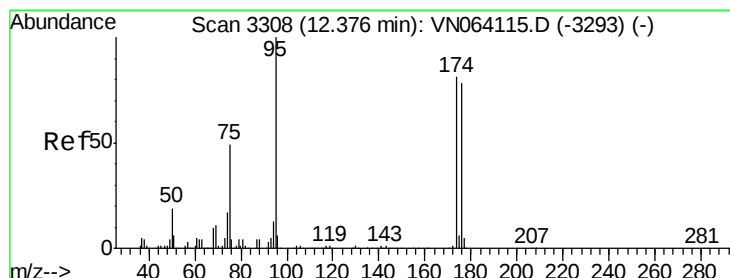
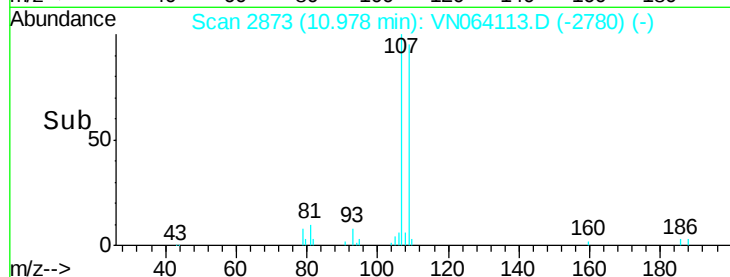
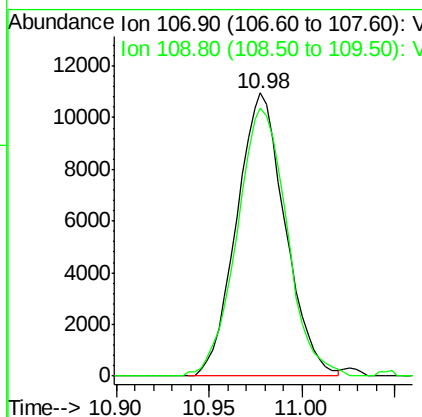
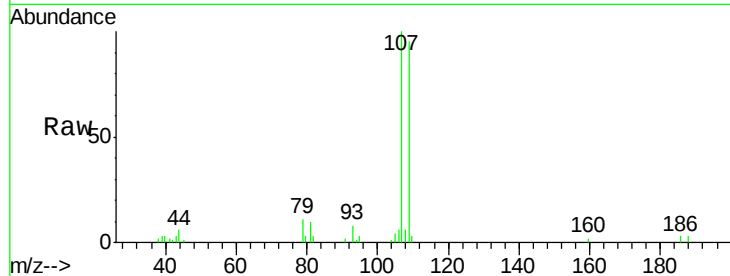
#61
 1,2-Dibromoethane
 Concen: 4.967 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.3	75.2	112.8

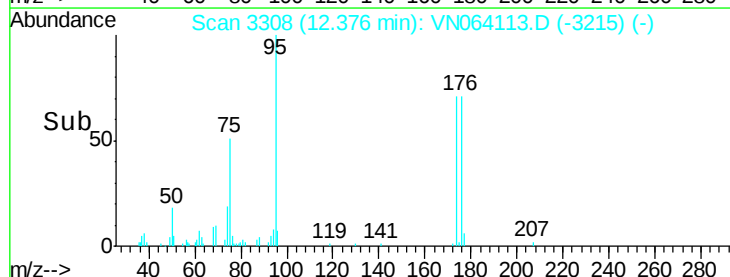
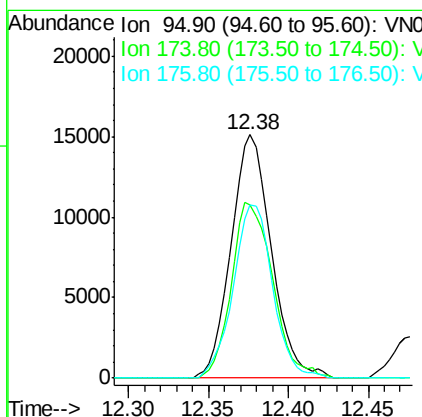
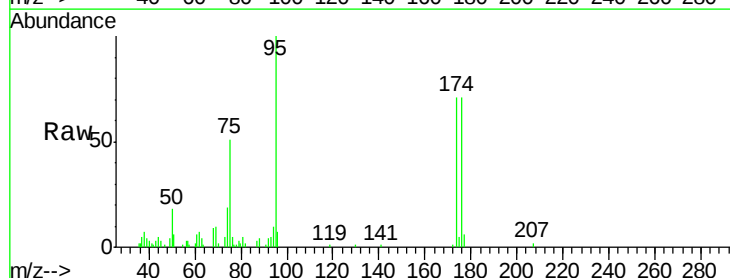
Manual Integrations
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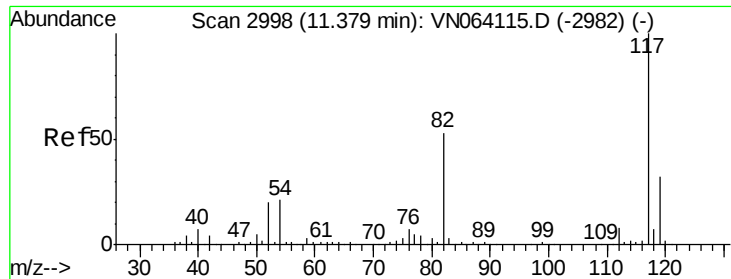
MMDadoda
 10/15/2020 12:17:20 PM



#62
 4-Bromofluorobenzene
 Concen: 4.948 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	164.8
176	69.6	0.0	157.8





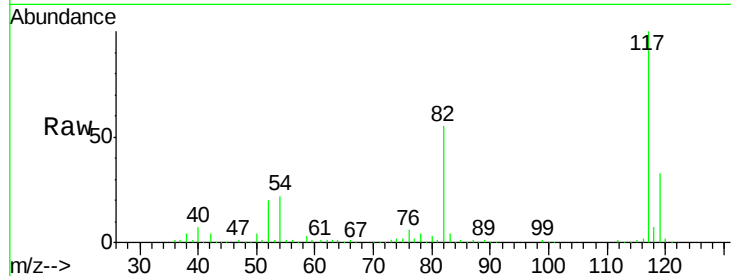
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	42.6	63.8
119	32.6	25.5	38.3

Manual Integrations
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MMDadoda
10/15/2020 12:17:20 PM

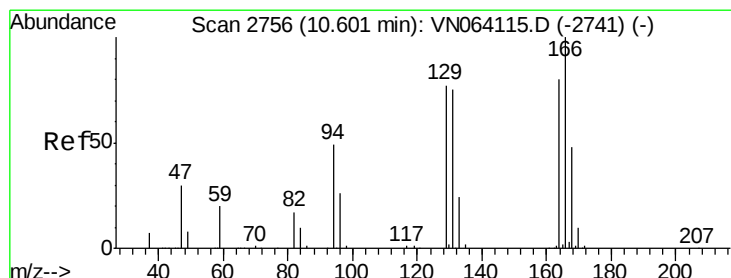
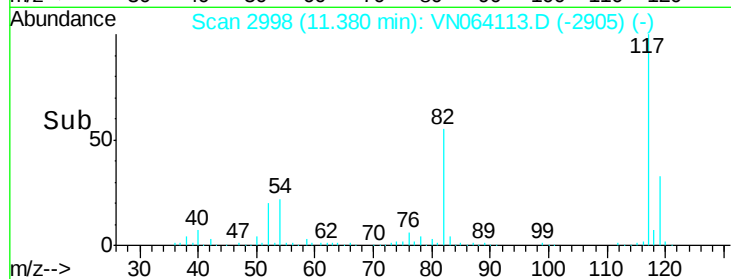
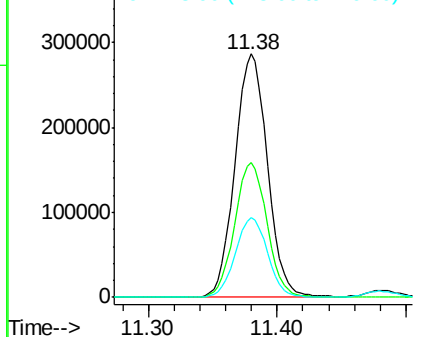


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 4.944 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	99.7	149.5
129	96.1	77.0	115.4
131	100.4	74.6	111.8

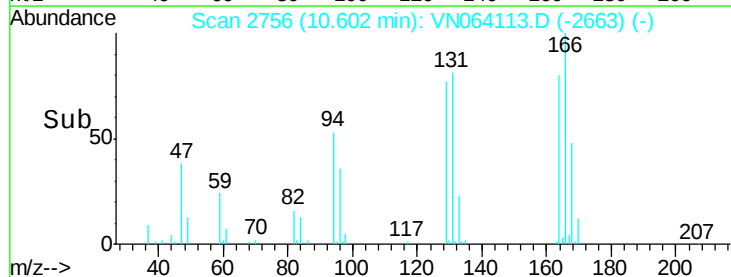
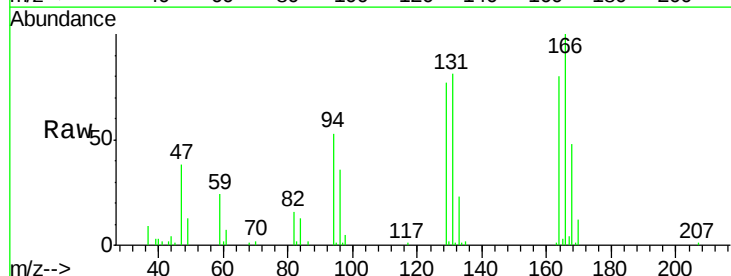
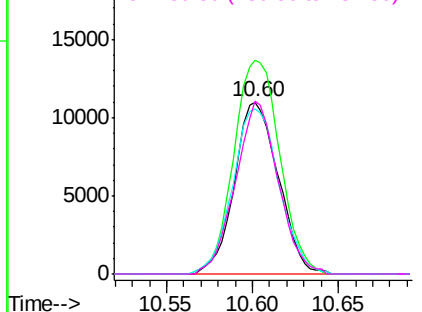
Abundance

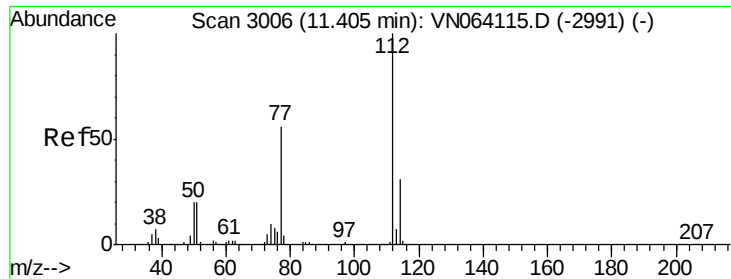
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





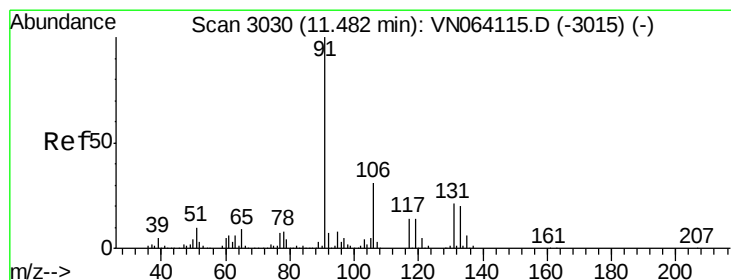
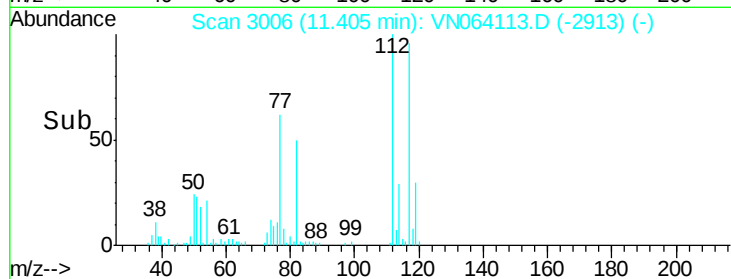
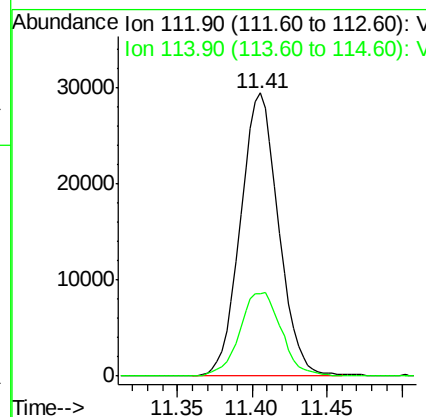
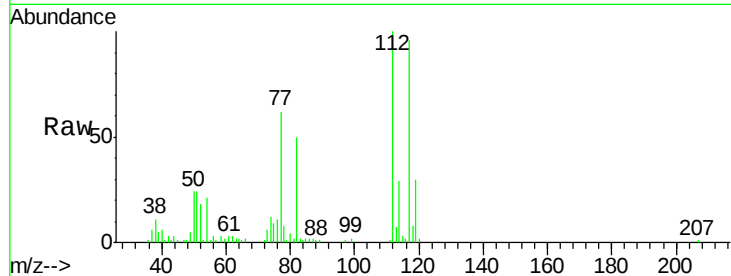
#65
Chlorobenzene
Concen: 5.002 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 52192
Ion Ratio Lower Upper
112 100
114 29.1 24.6 37.0

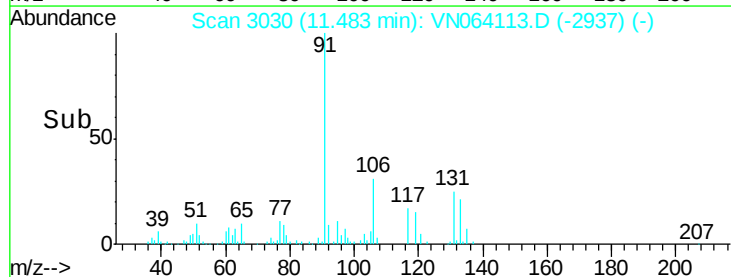
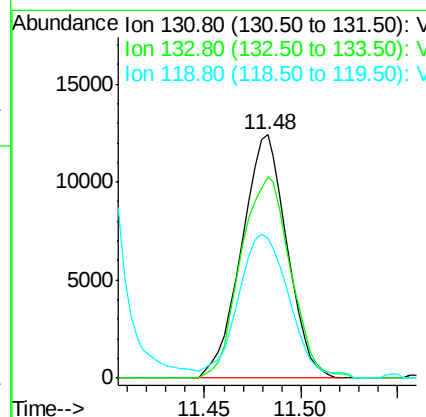
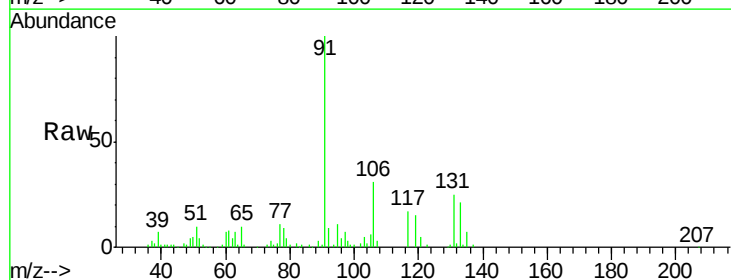
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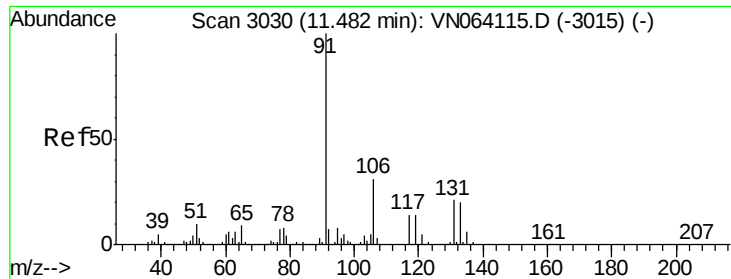
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.080 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Tgt Ion:131 Resp: 20236
Ion Ratio Lower Upper
131 100
133 90.3 47.3 141.9
119 66.6 32.8 98.4





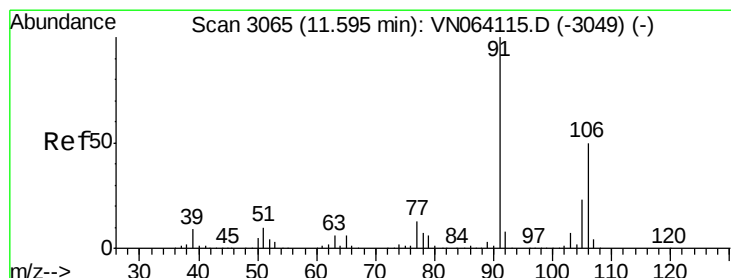
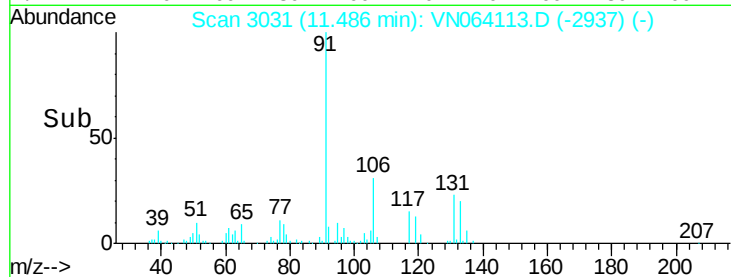
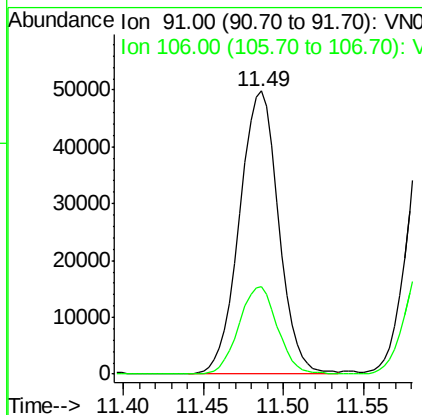
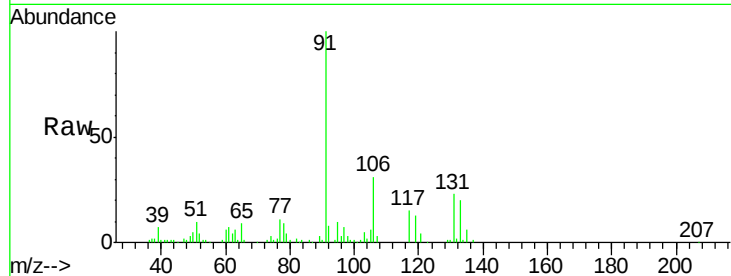
#67
Ethyl Benzene
Concen: 4.454 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 83465
Ion Ratio Lower Upper
91 100
106 31.1 24.7 37.1

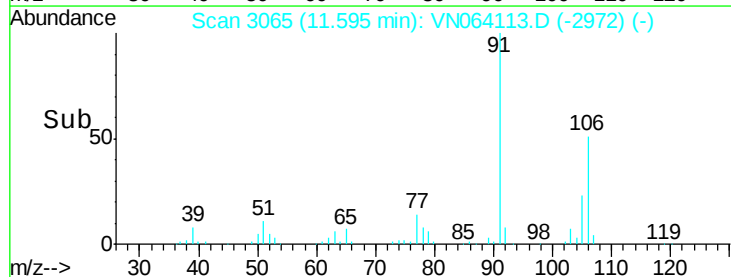
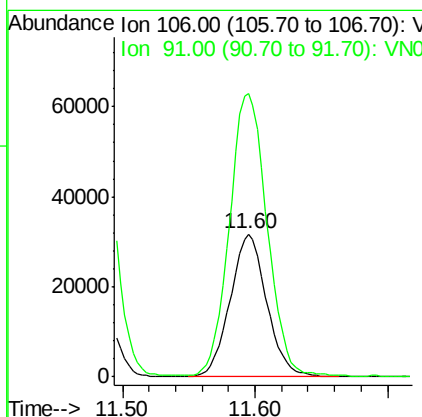
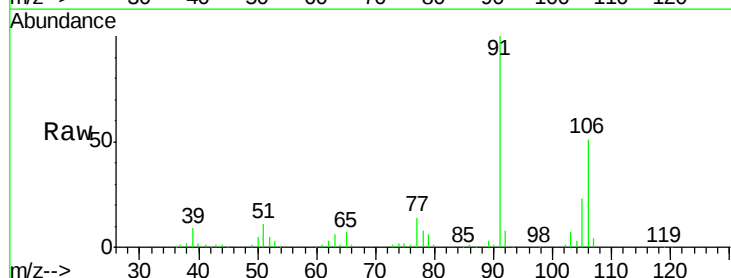
Manual Integrations
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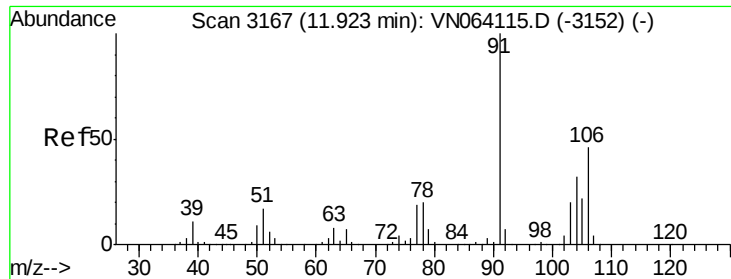
MMDadoda
10/15/2020 12:17:20 PM



#68
m/p-Xylenes
Concen: 8.622 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Tgt Ion: 106 Resp: 60583
Ion Ratio Lower Upper
106 100
91 203.8 162.1 243.1





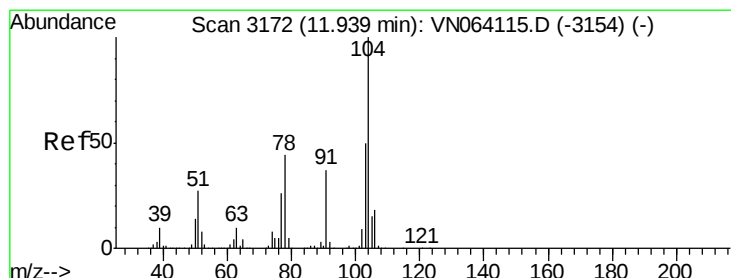
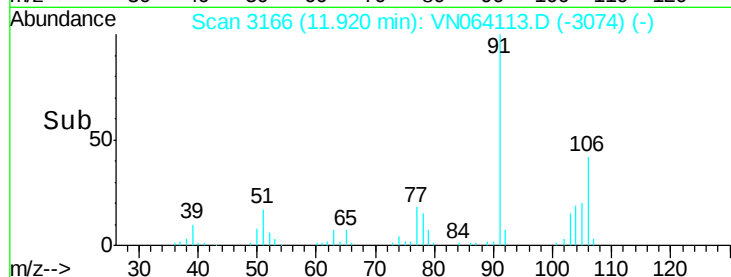
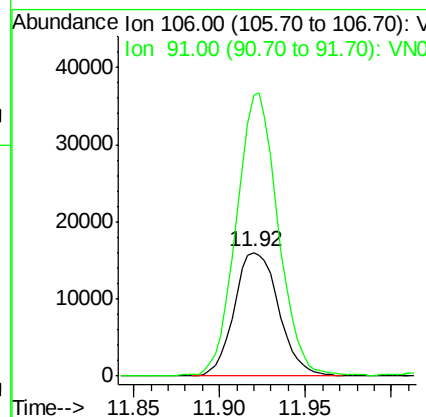
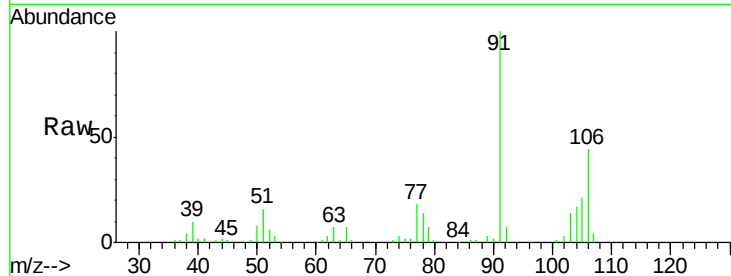
#69
o-Xylene
Concen: 4.398 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 28895
Ion Ratio Lower Upper
106 100
91 215.6 107.6 322.8

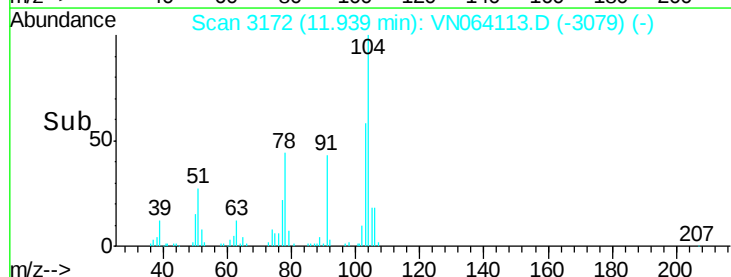
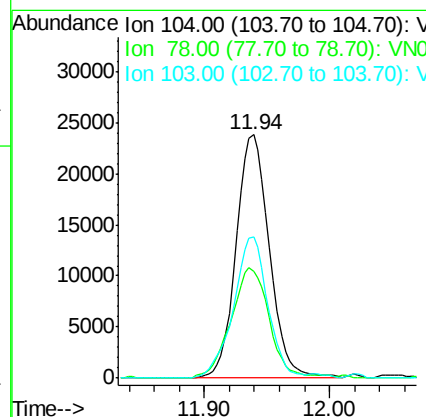
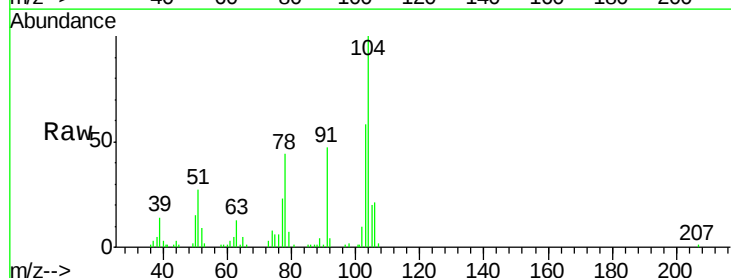
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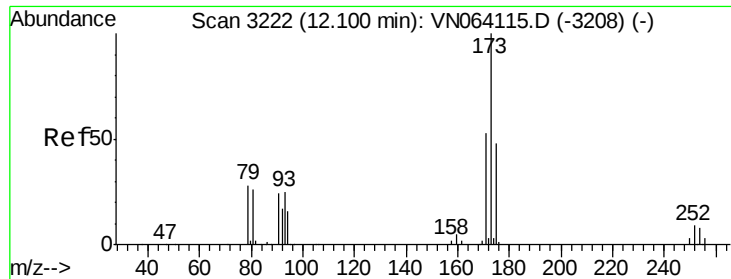
MMDadoda
10/15/2020 12:17:20 PM



#70
Styrene
Concen: 3.956 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Tgt Ion:104 Resp: 44005
Ion Ratio Lower Upper
104 100
78 52.5 39.7 59.5
103 59.7 44.2 66.2





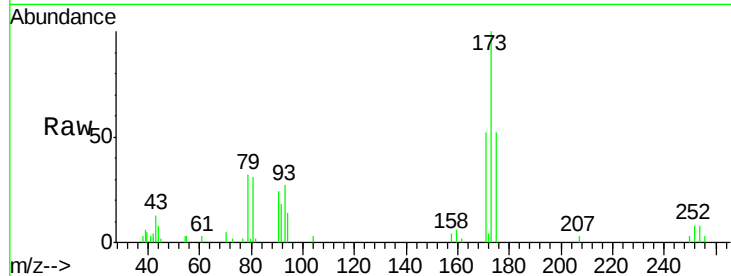
#71
Bromoform
Concen: 4.354 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.4	70.2
254	0.0	0.1	0.1#

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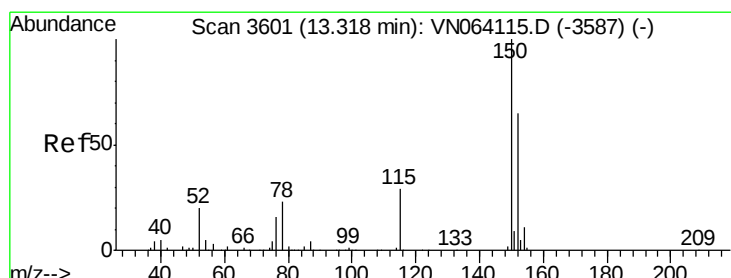
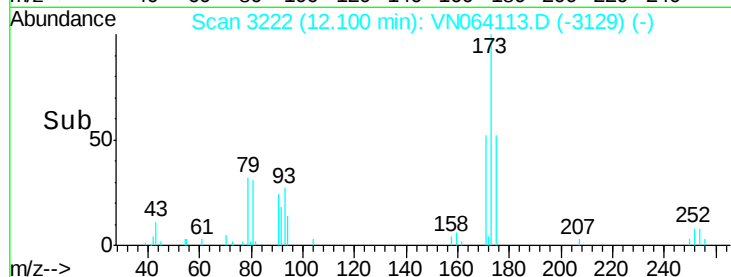
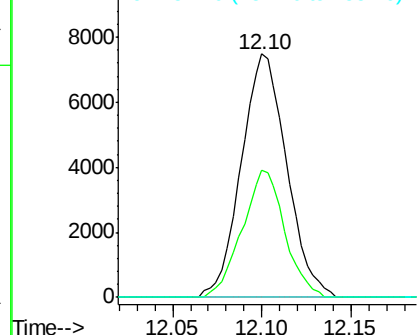


Abundance

Ion 172.70 (172.40 to 173.40): V

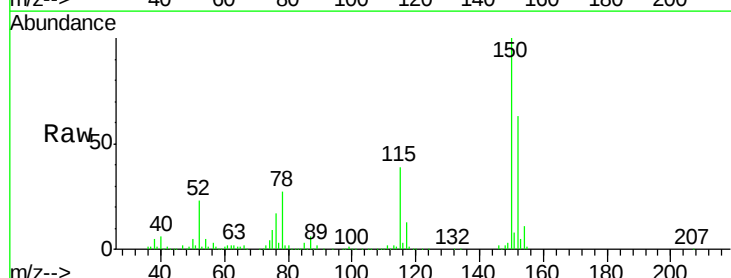
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	29.3	87.8
150	161.0	0.0	346.0

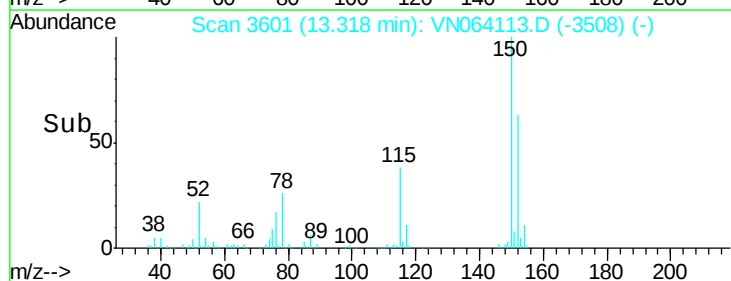
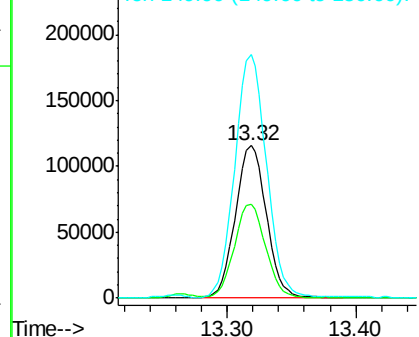


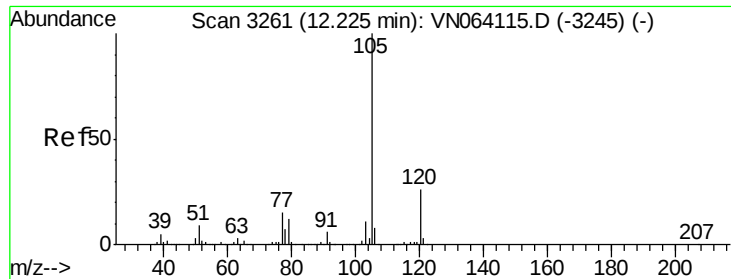
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.176 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 73611

Ion Ratio Lower Upper

105 100

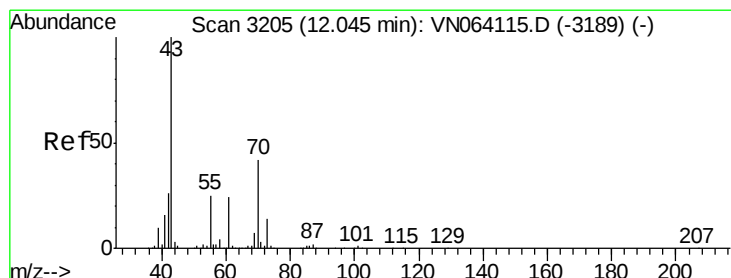
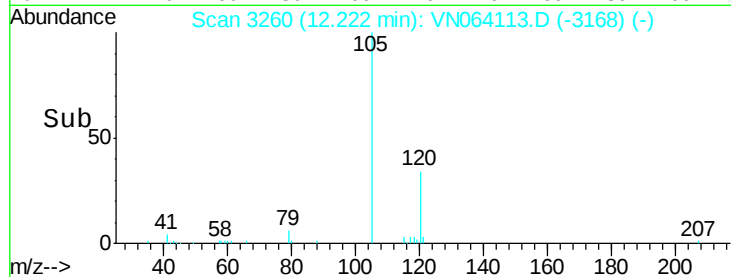
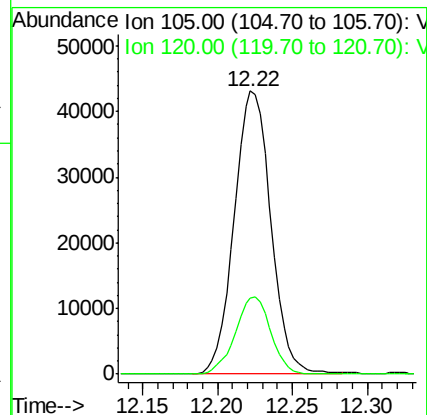
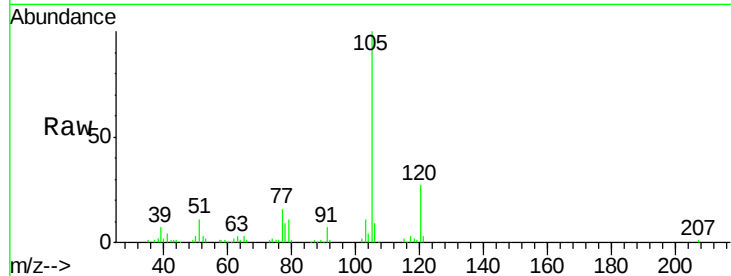
120 26.3 13.2 39.5

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#74

N-ethyl acetate

Concen: 4.075 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Tgt Ion: 43 Resp: 23388

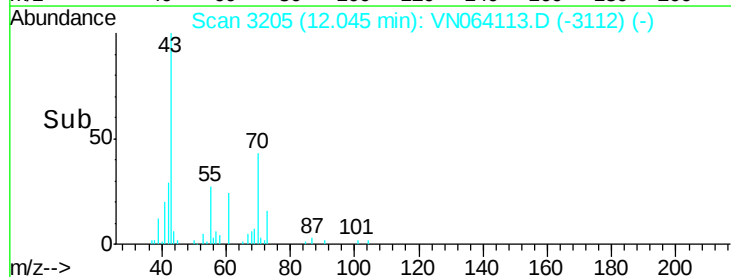
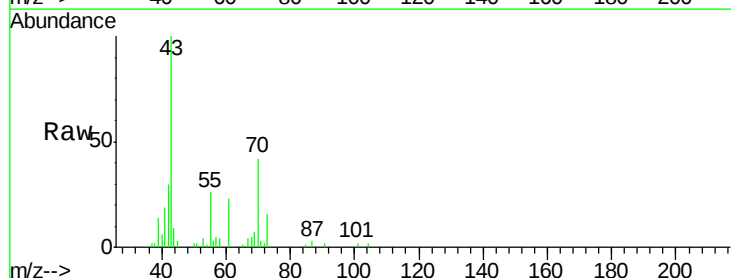
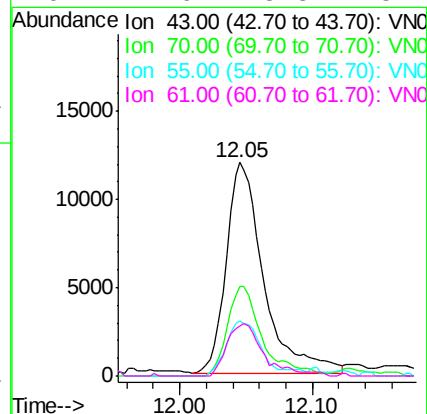
Ion Ratio Lower Upper

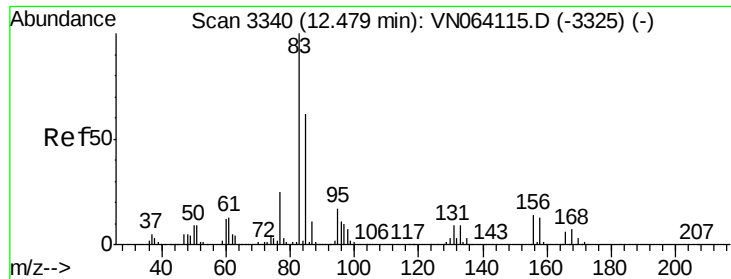
43 100

70 39.7 33.2 49.8

55 25.0 19.9 29.9

61 24.6 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 6.254 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

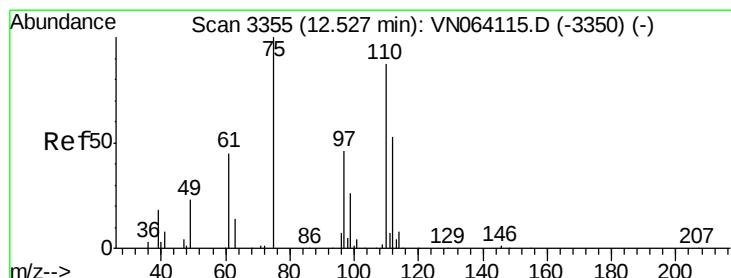
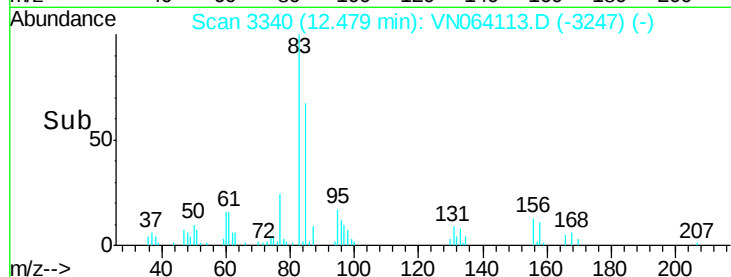
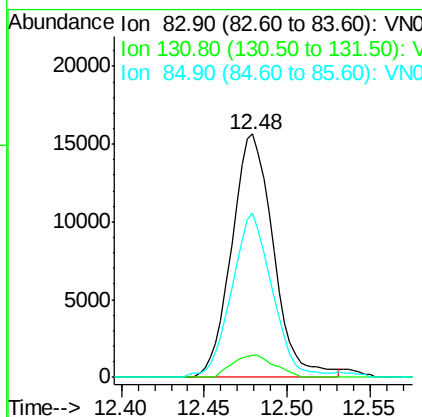
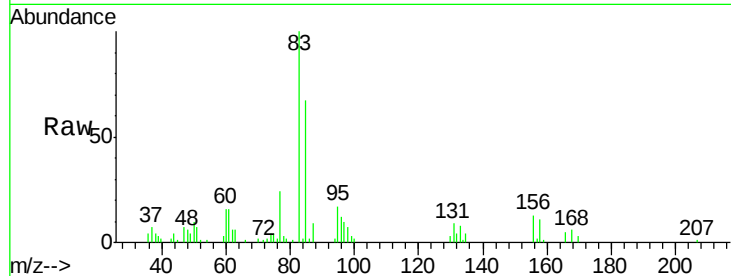
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	27414
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.0	15.0
85	65.2	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.779 ug/l m

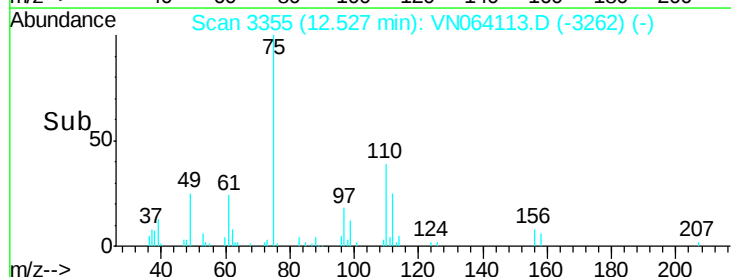
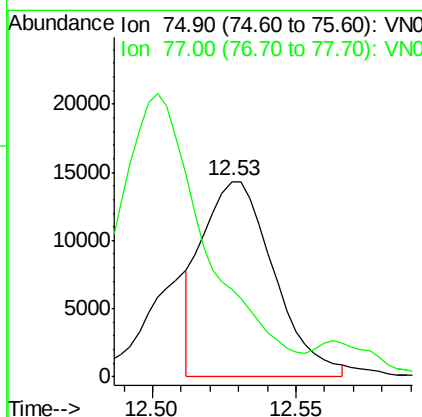
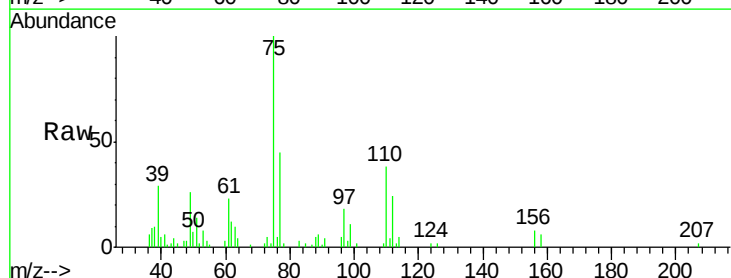
RT: 12.53 min Scan# 3355

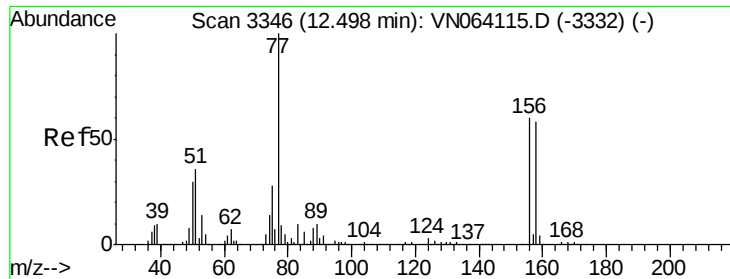
Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Tgt Ion:	75	Resp:	24832
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 6.098 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

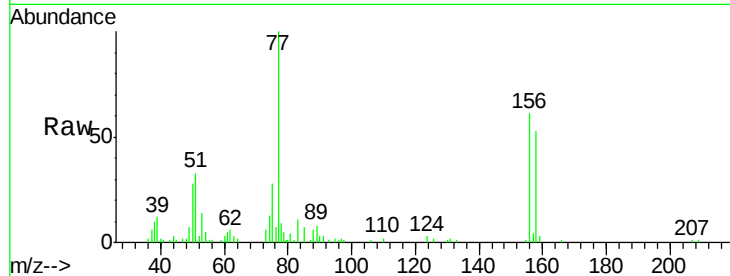
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	207.4	99.3	297.9
158	90.8	48.6	145.9

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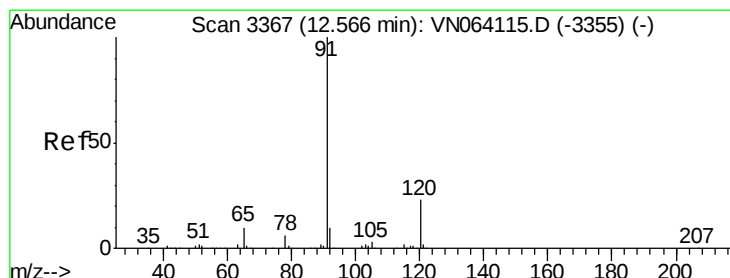
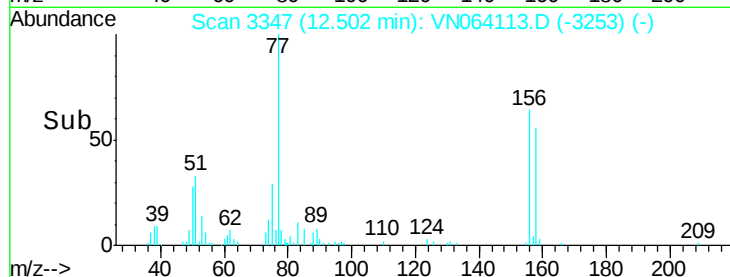
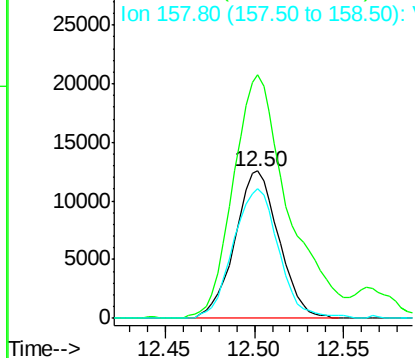
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.837 ug/l

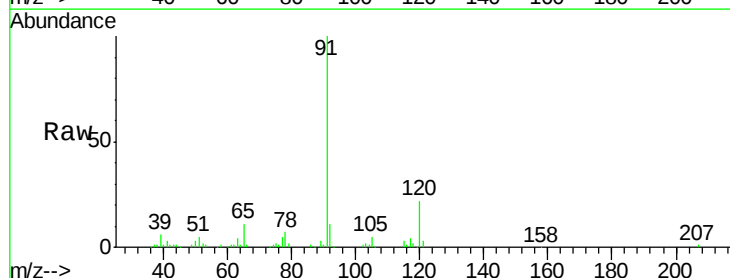
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064113.D

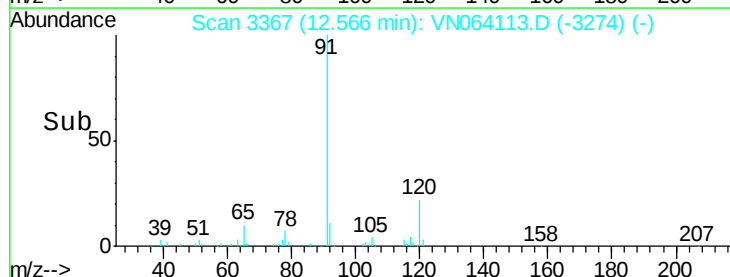
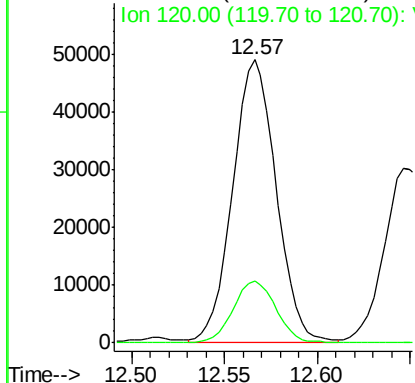
Acq: 14 Oct 2020 14:42

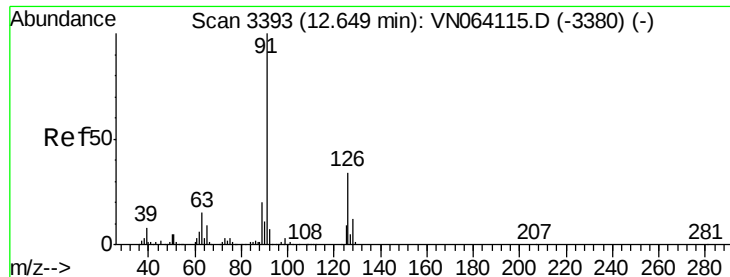
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.259 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 53600

Ion Ratio Lower Upper

91 100

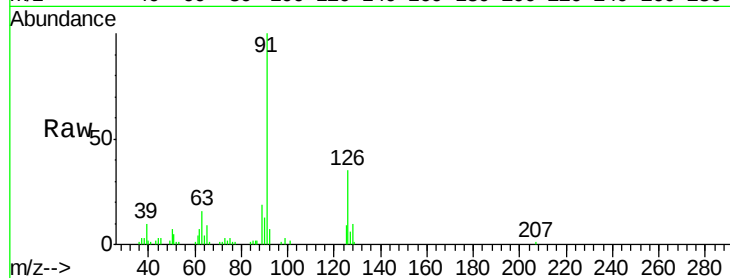
126 33.6 17.5 52.5

Manual Integrations

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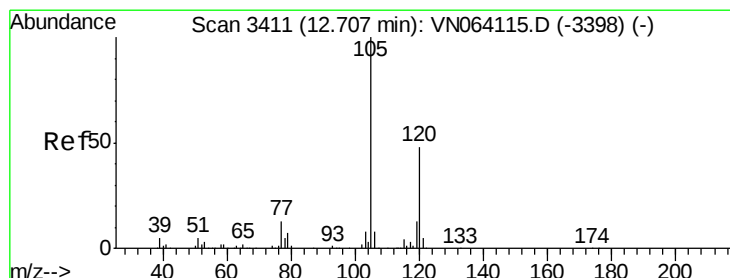
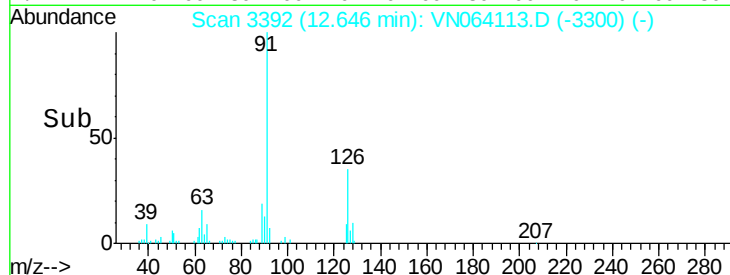
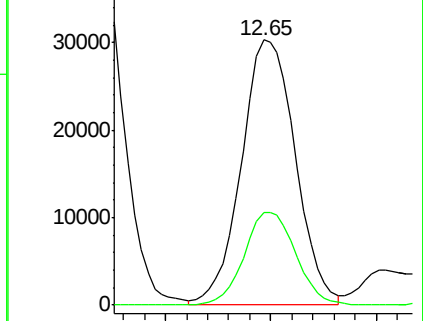
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Abundance Ion 91.00 (90.70 to 91.70): VN064113.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN064113.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.714 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064113.D

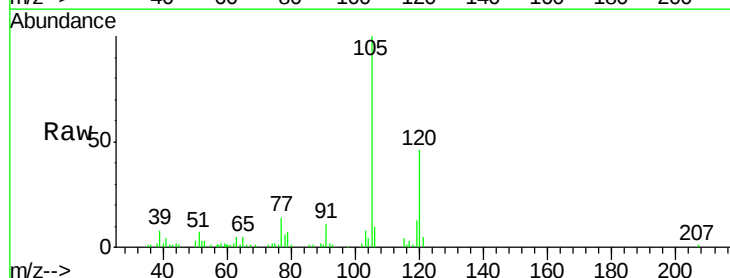
Acq: 14 Oct 2020 14:42

Tgt Ion: 105 Resp: 56253

Ion Ratio Lower Upper

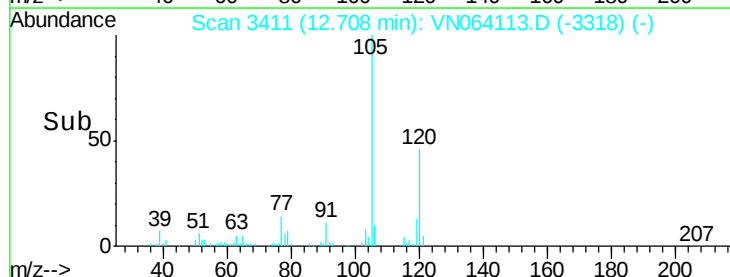
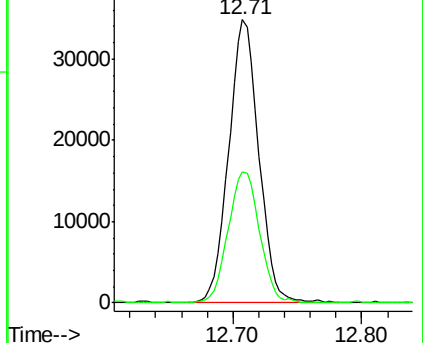
105 100

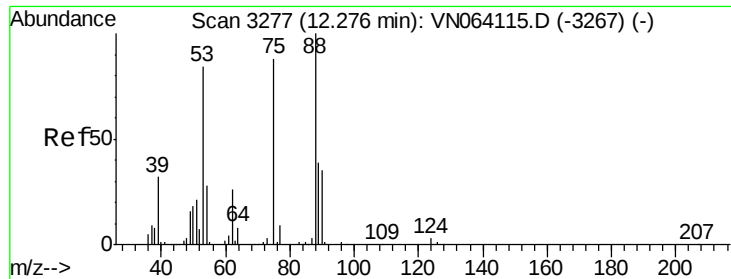
120 48.5 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN064113.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064113.D (-3411) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.909 ug/l

RT: 12.28 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

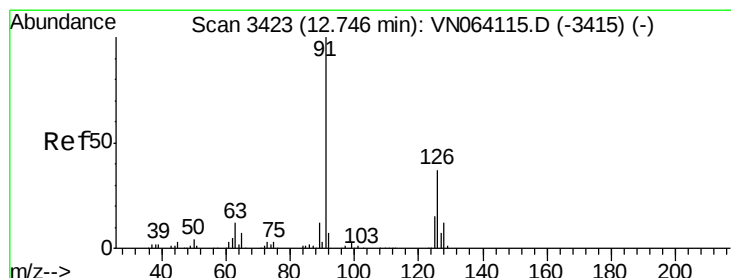
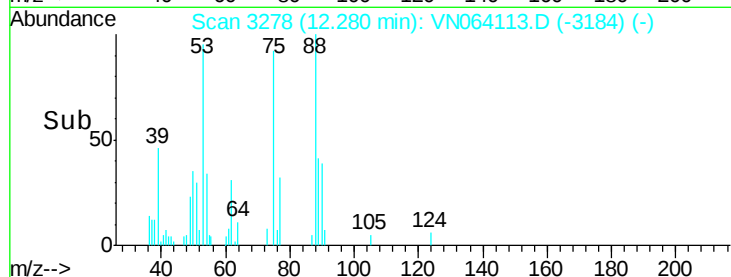
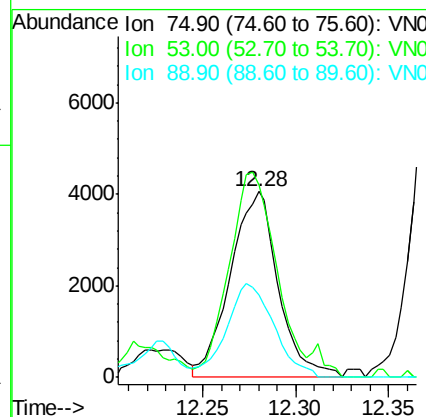
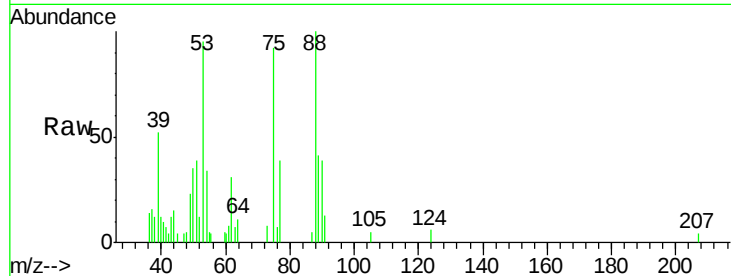
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	7276
Ion	Ratio	Lower	Upper
75	100		
53	98.8	75.7	113.5
89	50.2	36.6	55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.965 ug/l

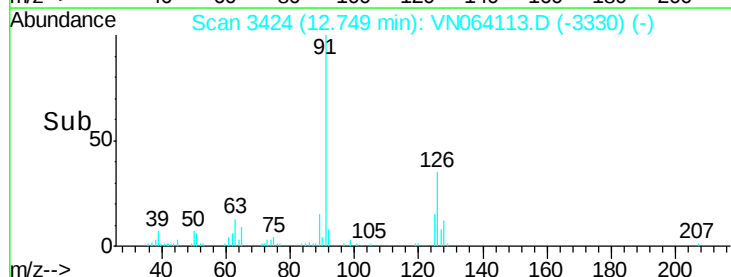
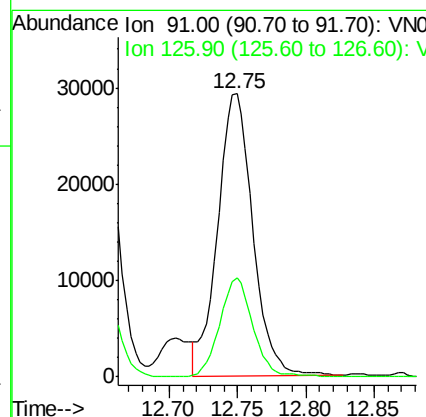
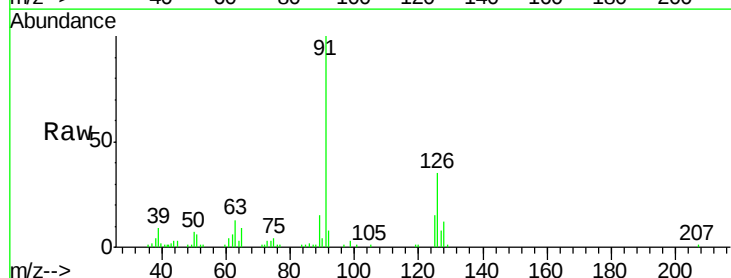
RT: 12.75 min Scan# 3424

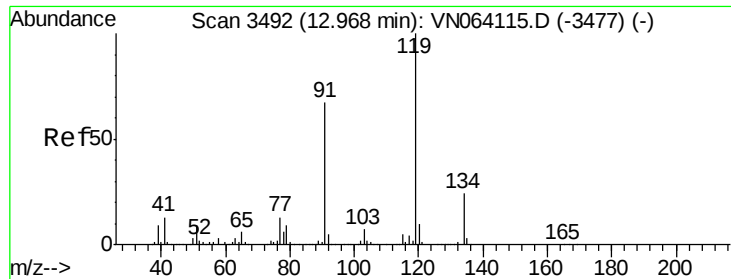
Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Tgt Ion:	91	Resp:	52313
Ion	Ratio	Lower	Upper
91	100		
126	32.9	17.1	51.2





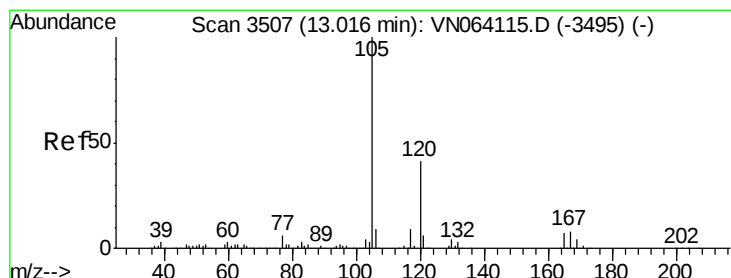
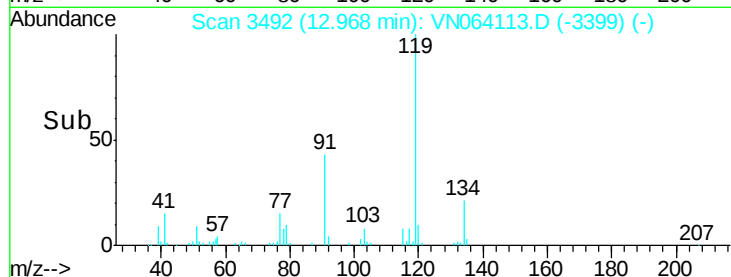
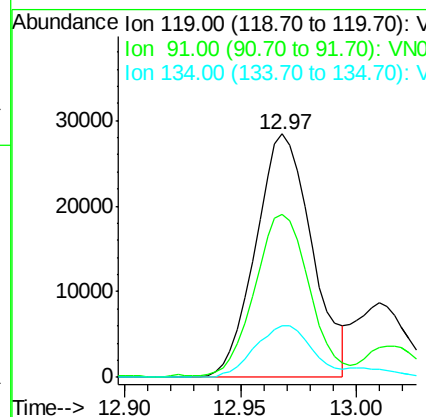
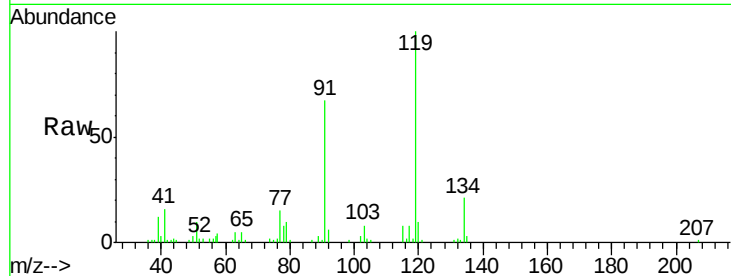
#83
 tert-Butylbenzene
 Concen: 4.910 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.1	32.6	98.0
134	21.5	13.0	39.0

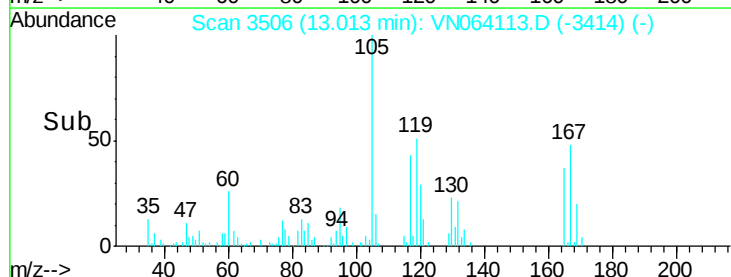
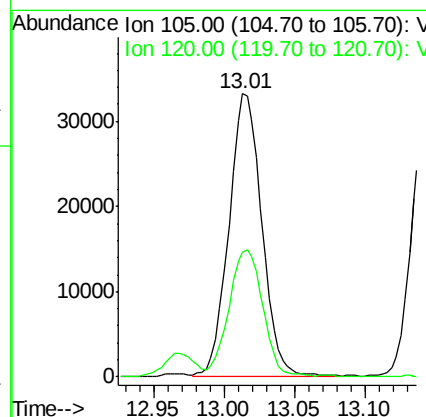
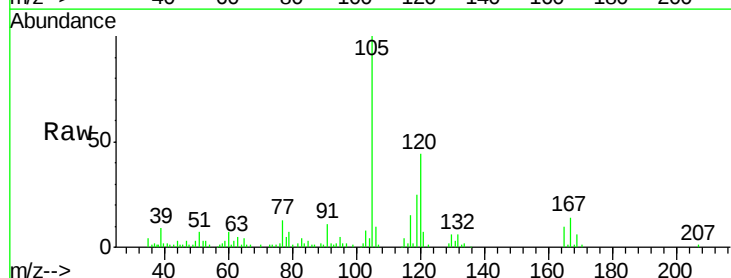
Manual Integrations
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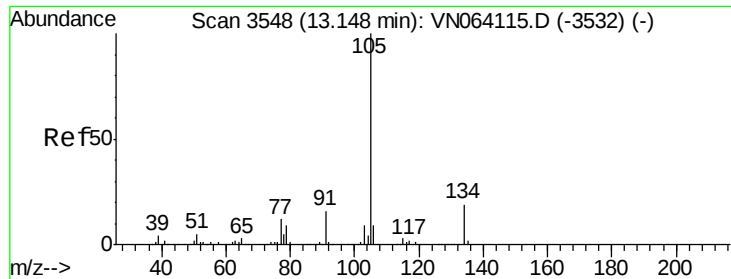
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.597 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.8	68.4





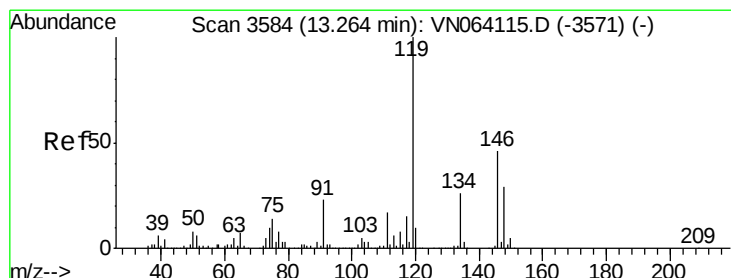
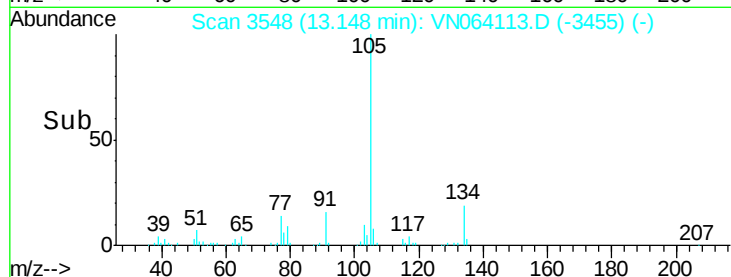
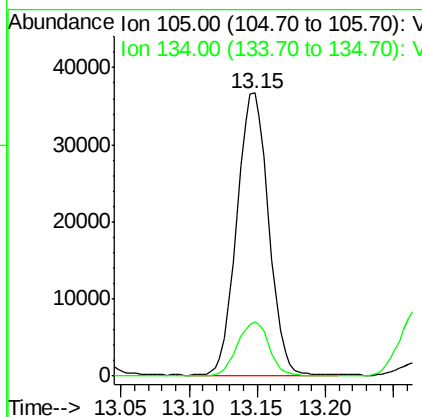
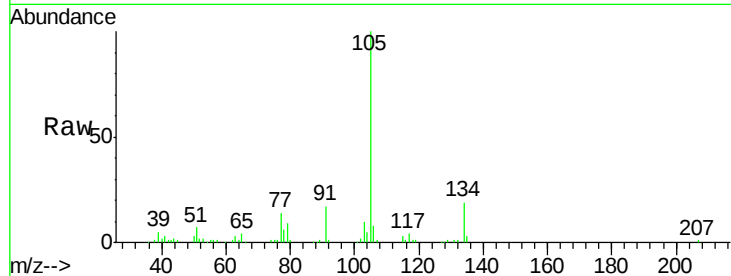
#85
 sec-Butylbenzene
 Concen: 4.683 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

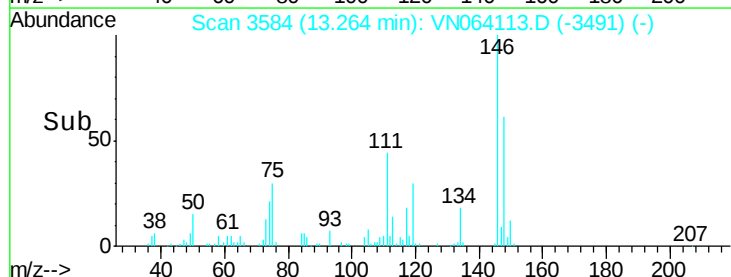
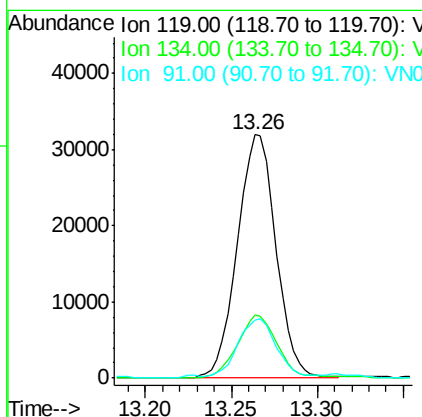
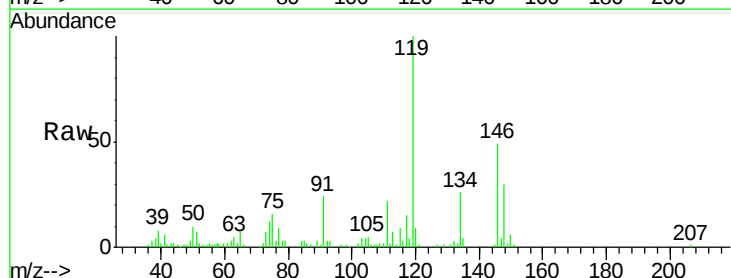
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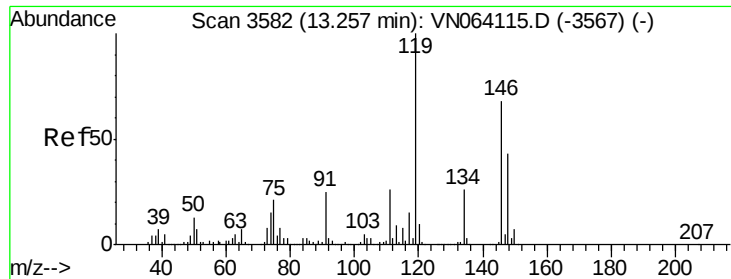
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#86
 p-Isopropyltoluene
 Concen: 4.430 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.2	39.5
91	23.6	12.0	36.1





#87

1,3-Dichlorobenzene

Concen: 4.994 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

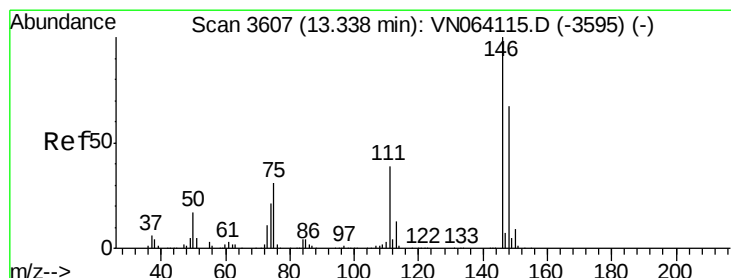
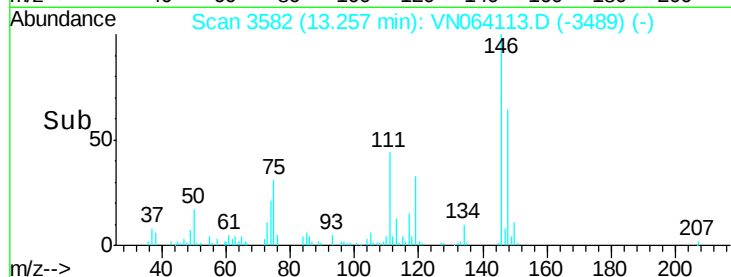
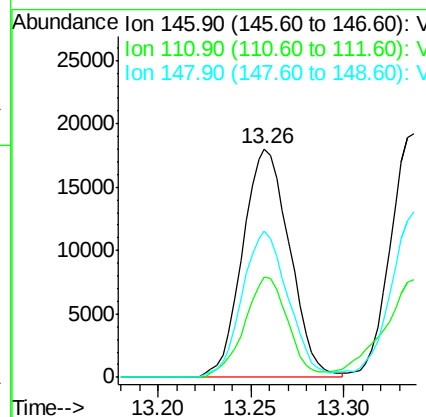
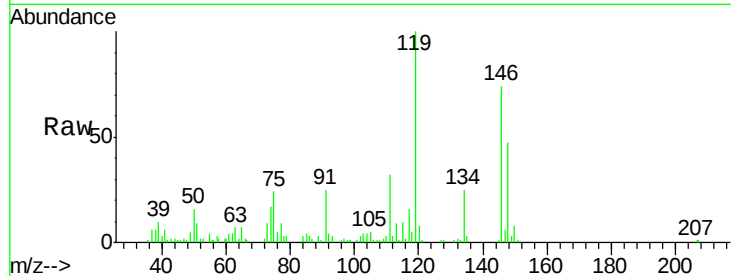
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	31792
Ion Ratio	Lower	Upper	
146	100		
111	40.8	19.7	59.1
148	63.2	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 4.955 ug/l

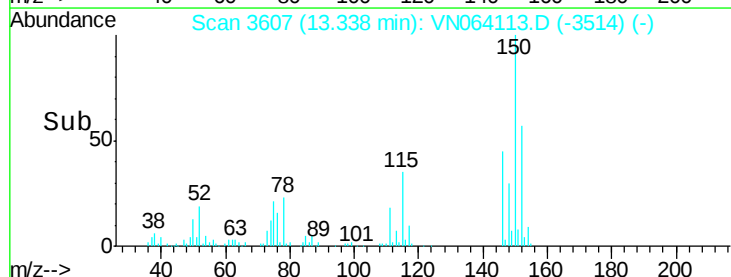
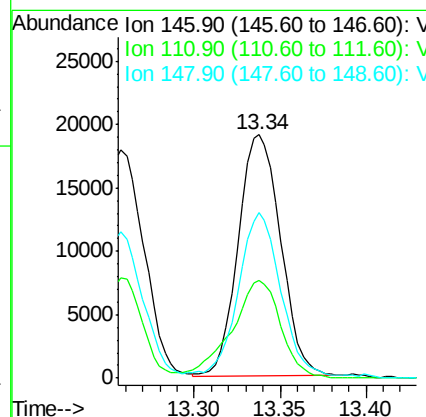
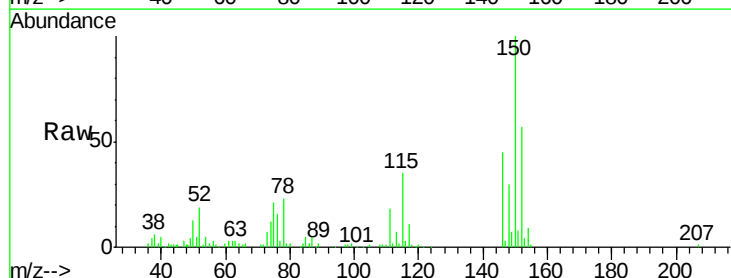
RT: 13.34 min Scan# 3607

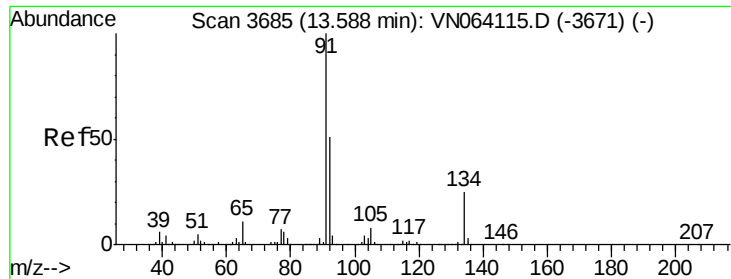
Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Tgt Ion:	146	Resp:	32872
Ion Ratio	Lower	Upper	
146	100		
111	46.8	19.3	57.9
148	66.6	32.1	96.5





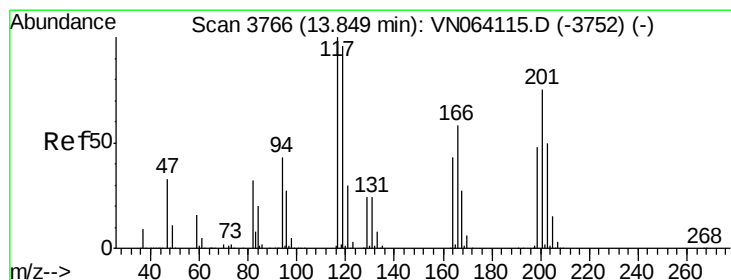
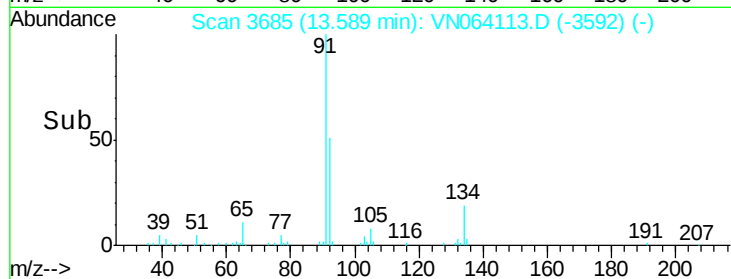
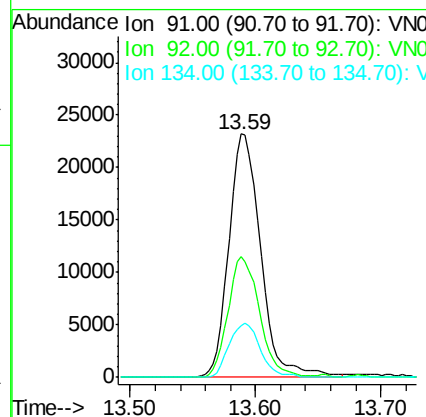
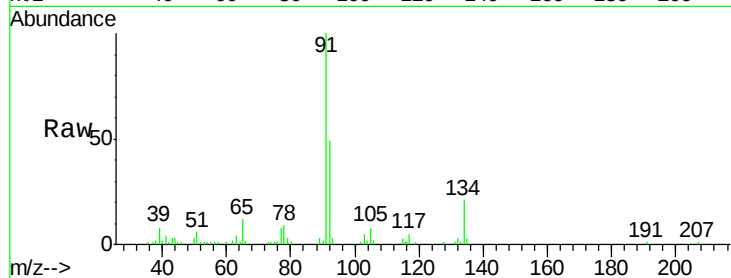
#89
n-Butylbenzene
Concen: 3.985 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.0	25.6	76.6
134	21.7	12.6	37.8

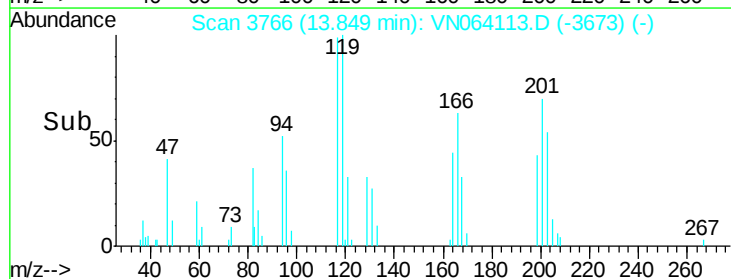
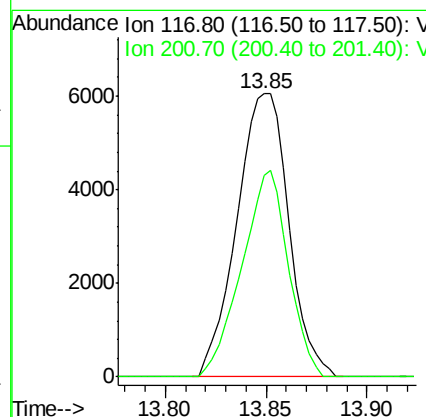
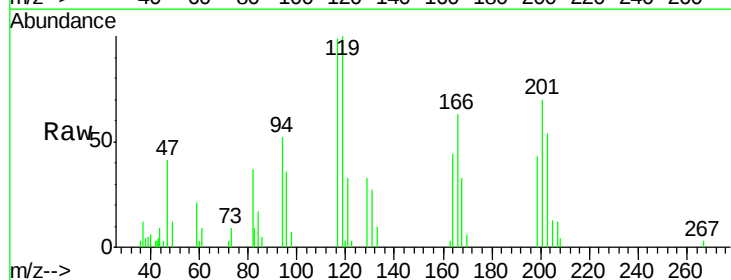
Manual Integrations
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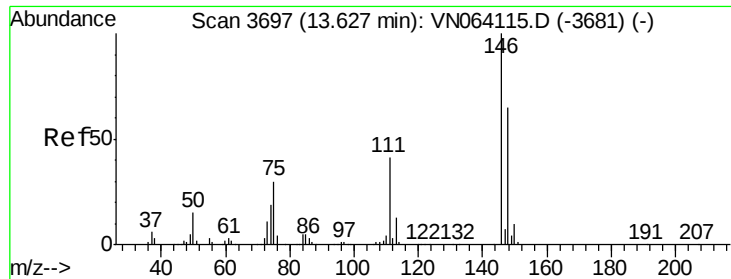
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#90
Hexachloroethane
Concen: 5.082 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064113.D
Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.0	37.4	112.2





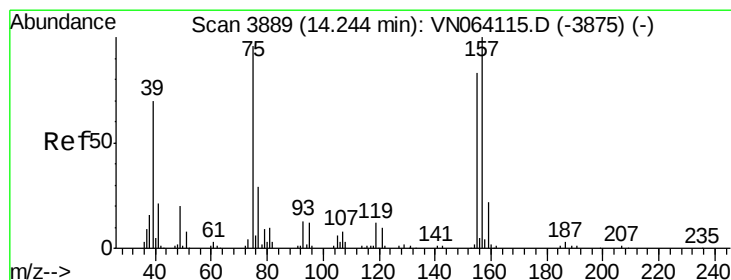
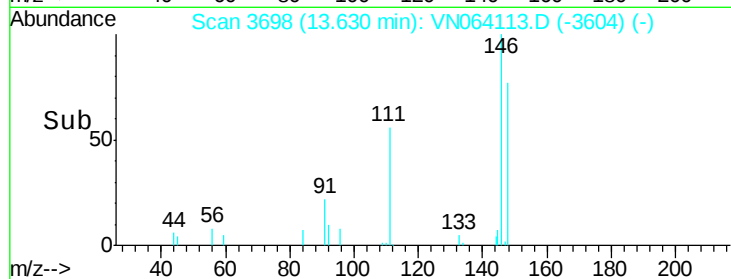
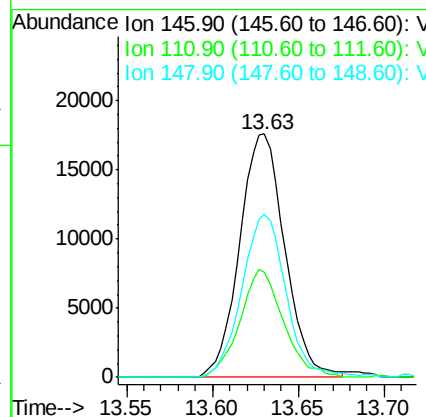
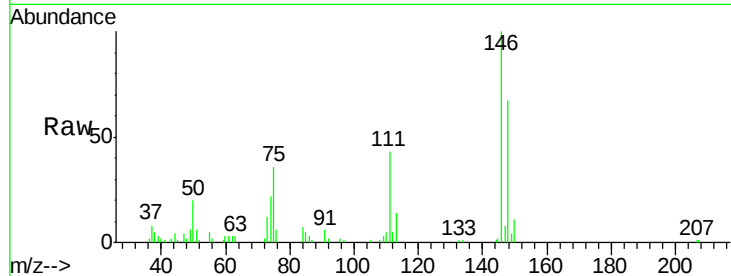
#91
 1,2-Dichlorobenzene
 Concen: 5.069 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.3	60.8
148	65.5	32.2	96.6

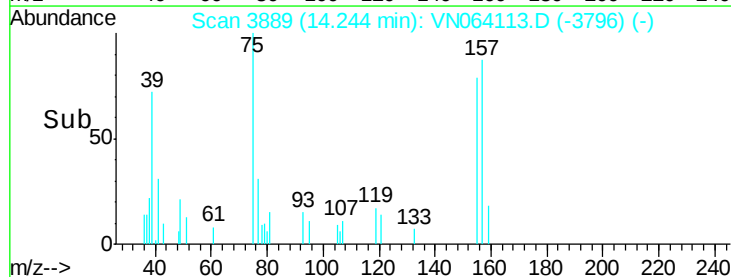
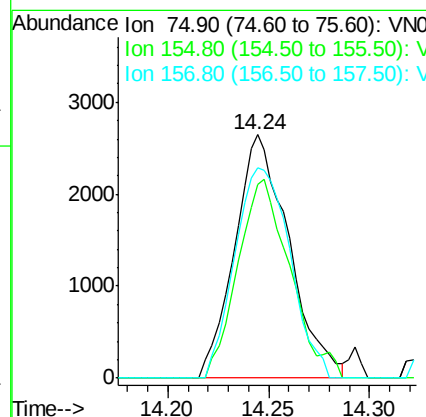
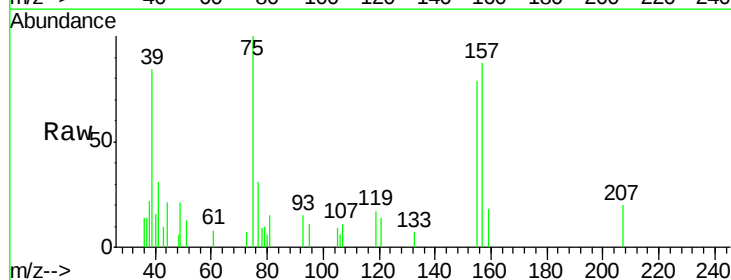
Manual Integrations
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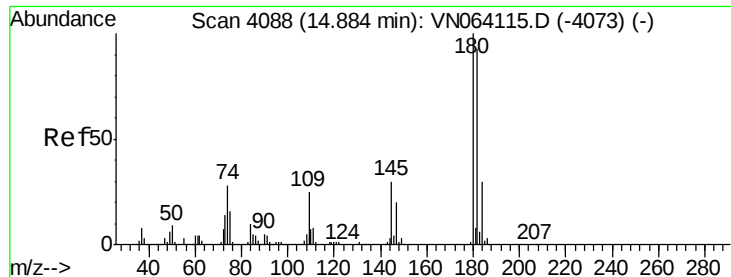
MMDadoda
 10/15/2020 12:17:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.965 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.8	40.8	122.2
157	88.0	53.9	161.7





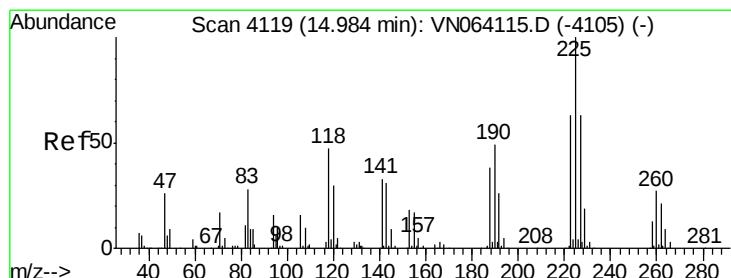
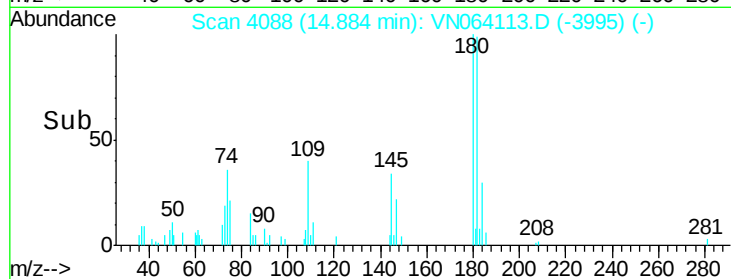
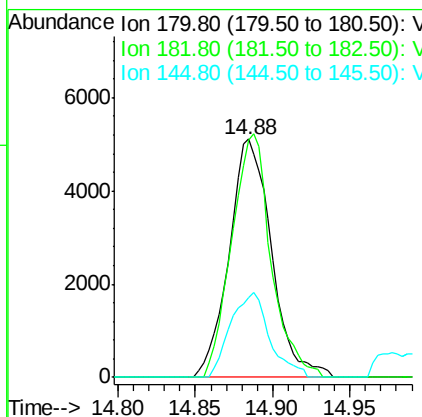
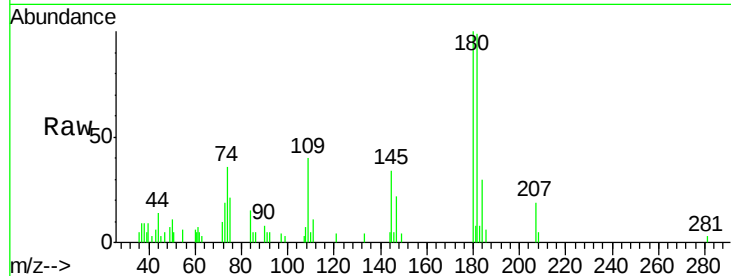
#93
 1,2,4-Trichlorobenzene
 Concen: 2.879 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	45.8	137.4
145	32.8	15.4	46.1

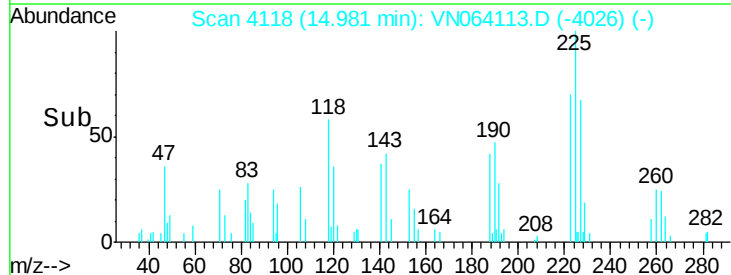
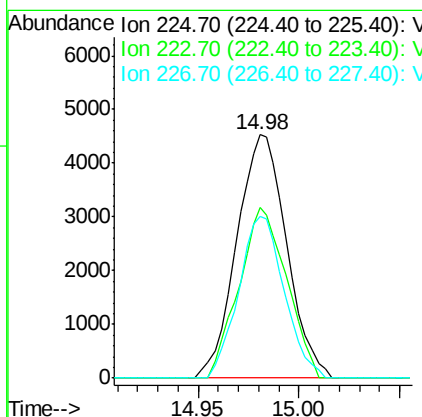
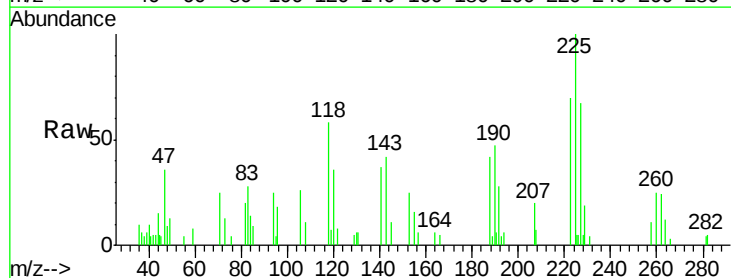
Manual Integrations
 APPROVED

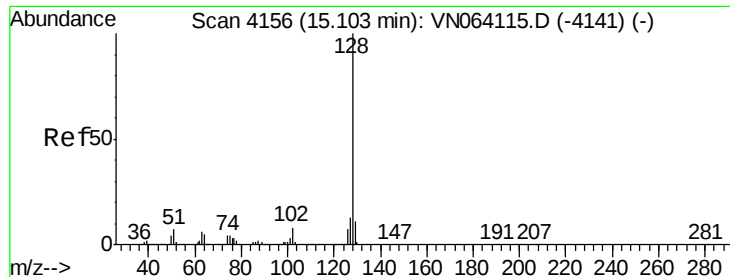
MMDadoda
 10/15/2020 12:17:20 PM



#94
 Hexachlorobutadiene
 Concen: 3.999 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064113.D
 Acq: 14 Oct 2020 14:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.9	32.3	96.9
227	60.8	31.6	94.8





#95

Naphthalene

Concen: 2.650 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Instrument :

MSVOA_N

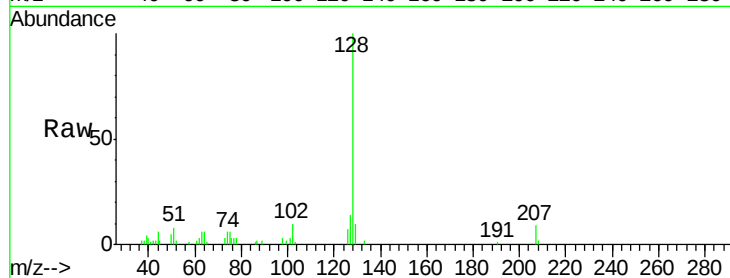
ClientSampleId :

VSTDIC005

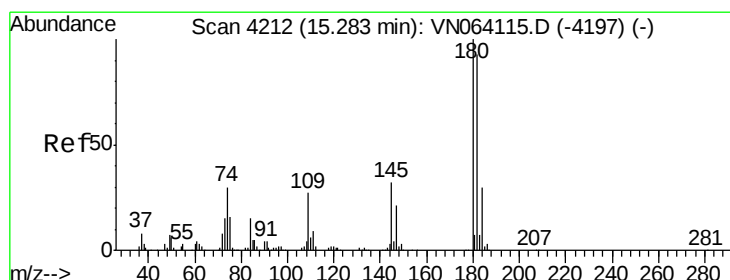
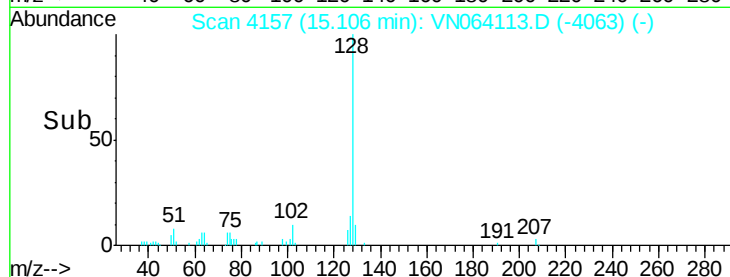
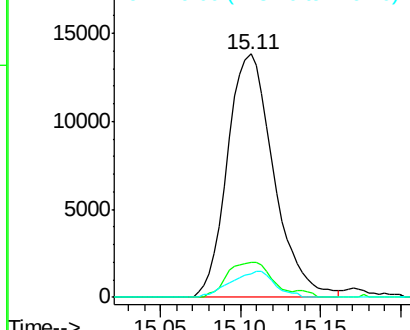
Tot Ion:	128	Resp:	27312
Ion Ratio	Lower	Upper	
128	100		
127	14.6	10.2	15.4
129	10.2	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:20 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.939 ug/l

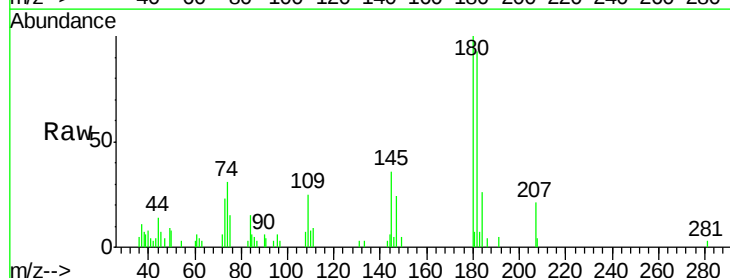
RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064113.D

Acq: 14 Oct 2020 14:42

Tgt Ion:	180	Resp:	10024
Ion Ratio	Lower	Upper	
180	100		
182	92.6	46.6	139.8
145	38.1	16.1	48.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

