

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101420\
 Data File : VN064114.D
 Acq On : 14 Oct 2020 15:06
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:17:22 PM

Quant Time: Oct 15 01:09:06 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	7.63	168	336769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	573061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	540499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	241411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	88195	16.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.80%	
35) Dibromofluoromethane	7.55	113	67434	17.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.16%	
50) Toluene-d8	10.06	98	258614	17.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.38%	
62) 4-Bromofluorobenzene	12.38	95	84504	15.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	30.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	70551	19.956	ug/l	98
3) Chloromethane	2.04	50	84727	20.321	ug/l	98
4) Vinyl Chloride	2.16	62	104322	24.144	ug/l	99
5) Bromomethane	2.53	94	75879	26.500	ug/l	96
6) Chloroethane	2.68	64	83824	30.898	ug/l	99
7) Trichlorofluoromethane	2.99	101	142391	21.350	ug/l	100
8) Diethyl Ether	3.38	74	44300	19.950	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	72175	20.463	ug/l	98
10) Methyl Iodide	3.91	142	97007	23.026	ug/l	100
11) Tert butyl alcohol	4.73	59	51404	86.555	ug/l	98
12) 1,1-Dichloroethene	3.70	96	71837	21.127	ug/l	98
13) Acrolein	3.57	56	37833	97.610	ug/l	97
14) Allyl chloride	4.28	41	109149	17.804	ug/l	99
15) Acrylonitrile	4.93	53	162607	94.566	ug/l	99
16) Acetone	3.78	43	143915	86.602	ug/l	96
17) Carbon Disulfide	4.01	76	208200	20.875	ug/l	100
18) Methyl Acetate	4.28	43	70227	16.301	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	213117	17.767	ug/l	97
20) Methylene Chloride	4.51	84	89908	21.066	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	82008	21.394	ug/l	97
22) Diisopropyl ether	5.90	45	227702	18.103	ug/l	94
23) Vinyl Acetate	5.85	43	1006946	95.652	ug/l	99
24) 1,1-Dichloroethane	5.80	63	156758	21.280	ug/l	98
25) 2-Butanone	6.79	43	232197	97.599	ug/l	97
26) 2,2-Dichloropropane	6.78	77	121803	18.363	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	96182	21.852	ug/l	98
28) Bromochloromethane	7.15	49	59499	16.608	ug/l #	96
29) Tetrahydrofuran	7.16	42	136864	86.993	ug/l	98
30) Chloroform	7.33	83	165713	21.442	ug/l	98
31) Cyclohexane	7.62	56	109237	17.430	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	143594	20.764	ug/l	97
36) 1,1-Dichloropropene	7.75	75	117377	20.254	ug/l	99
37) Ethyl Acetate	6.88	43	101829	17.930	ug/l	99
38) Carbon Tetrachloride	7.74	117	128018	19.826	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	97389	17.271	ug/l	97
40) Benzene	8.00	78	356429	21.316	ug/l	99
41) Methacrylonitrile	7.13	41	44342m	18.002	ug/l	
42) 1,2-Dichloroethane	8.09	62	129092	18.578	ug/l	99
43) Isopropyl Acetate	8.13	43	167836	18.139	ug/l	98
44) Trichloroethene	8.80	130	94775	21.563	ug/l	98
45) 1,2-Dichloropropane	9.08	63	92427	20.664	ug/l	98
46) Dibromomethane	9.17	93	65018	20.957	ug/l	98
47) Bromodichloromethane	9.37	83	130131	20.496	ug/l	96
48) Methyl methacrylate	9.17	41	80630	17.613	ug/l	99
49) 1,4-Dioxane	9.17	88	23178	355.975	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	523987	96.155	ug/l	100
52) Toluene	10.13	92	219160	21.189	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	130883	19.352	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	144458	20.360	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	93116	22.503	ug/l	96
56) Ethyl methacrylate	10.40	69	115808	19.981	ug/l	98
57) 1,3-Dichloropropane	10.68	76	151773	21.779	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	252189	81.795	ug/l	99
59) 2-Hexanone	10.72	43	368403	91.281	ug/l	99
60) Dibromochloromethane	10.87	129	101826	21.079	ug/l	99
61) 1,2-Dibromoethane	10.98	107	94971	22.352	ug/l	100
64) Tetrachloroethene	10.60	164	92846	21.940	ug/l	98
65) Chlorobenzene	11.41	112	245544	21.890	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	90617	21.158	ug/l	96
67) Ethyl Benzene	11.49	91	411885	20.446	ug/l	99
68) m/p-Xylenes	11.60	106	317018	41.964	ug/l	100
69) o-Xylene	11.92	106	147199	20.841	ug/l	99
70) Styrene	11.94	104	246782	20.637	ug/l	98
71) Bromoform	12.10	173	67646	20.701	ug/l #	100
73) Isopropylbenzene	12.22	105	388450	22.031	ug/l	100
74) N-amyl acetate	12.05	43	137735	19.356	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	125726	23.138	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	113638m	21.332	ug/l	
77) Bromobenzene	12.50	156	101908	23.180	ug/l	98
78) n-propylbenzene	12.57	91	432536	21.107	ug/l	100
79) 2-Chlorotoluene	12.65	91	269071	21.296	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	312185	21.103	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	37487	20.399	ug/l	91
82) 4-Chlorotoluene	12.75	91	273458	20.935	ug/l	99
83) tert-Butylbenzene	12.97	119	258243	21.354	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	310602	21.137	ug/l	99
85) sec-Butylbenzene	13.15	105	331779	20.933	ug/l	98
86) p-Isopropyltoluene	13.26	119	294124	21.004	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	173812	22.025	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	171168	20.812	ug/l	99
89) n-Butylbenzene	13.59	91	233385	18.312	ug/l	98
90) Hexachloroethane	13.85	117	50700	19.029	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	169821	21.608	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	23759	19.152	ug/l	95

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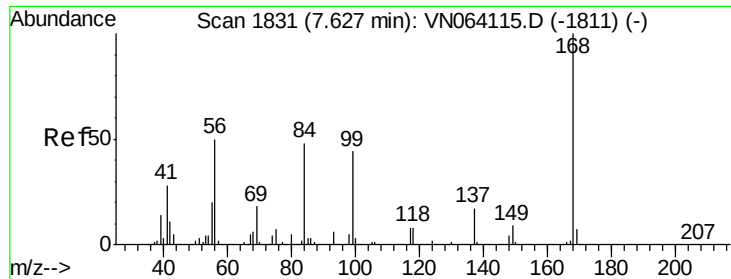
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	68966	16.440	ug/l	97
94) Hexachlorobutadiene	14.98	225	39301	16.192	ug/l	99
95) Naphthalene	15.10	128	202913	15.883	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	70945	16.780	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 336769

Ion Ratio Lower Upper

168 100

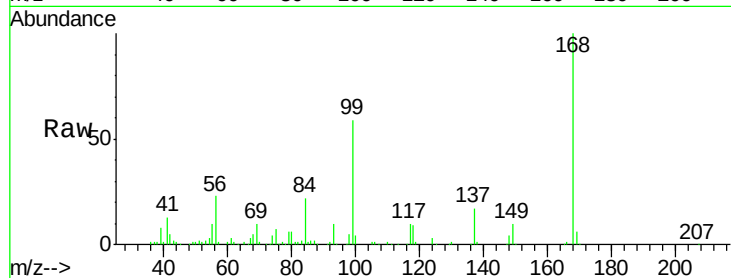
99 59.1 43.6 65.4

Manual Integrations

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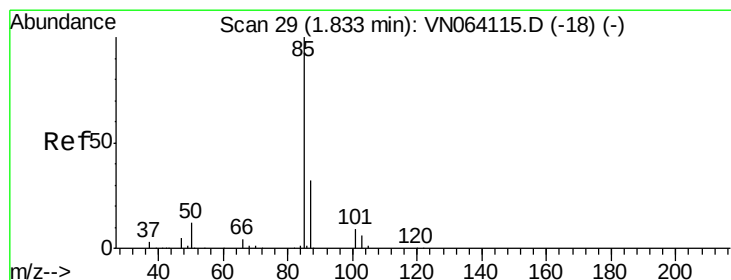
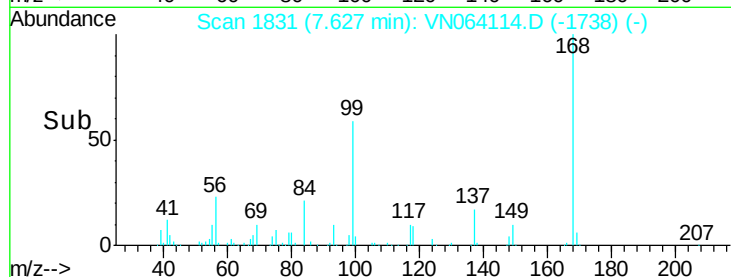
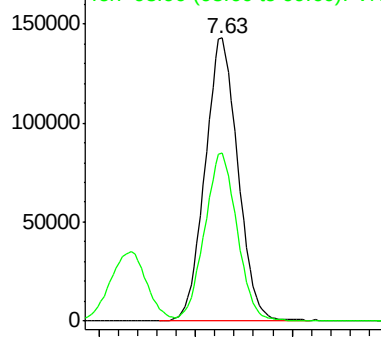
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.956 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064114.D

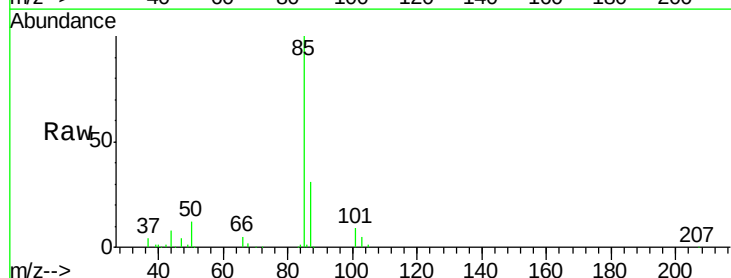
Acq: 14 Oct 2020 15:06

Tgt Ion: 85 Resp: 70551

Ion Ratio Lower Upper

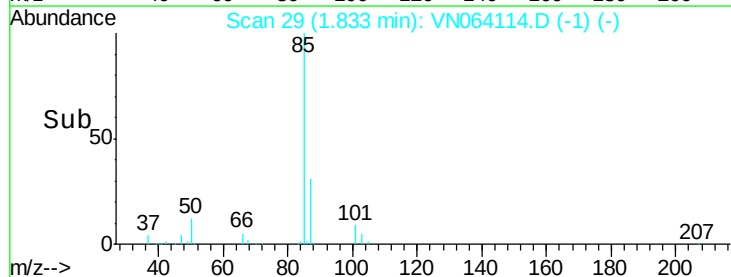
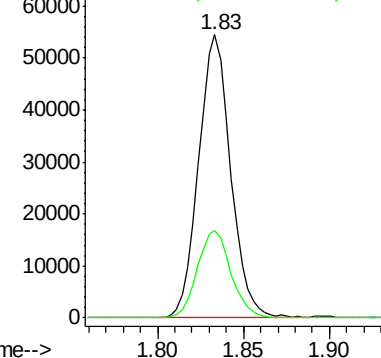
85 100

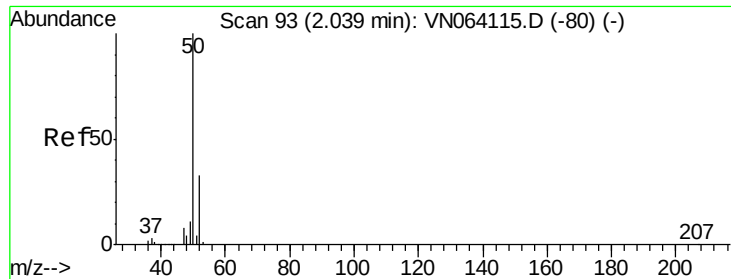
87 30.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.321 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 84727

Ion Ratio Lower Upper

50 100

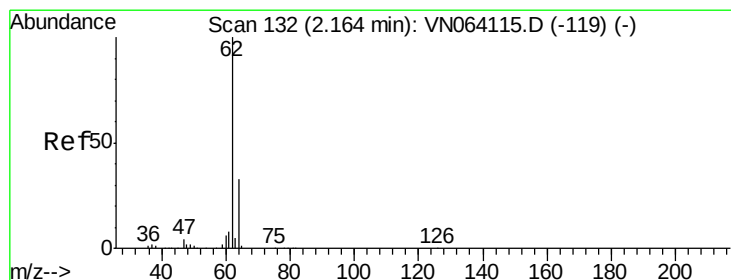
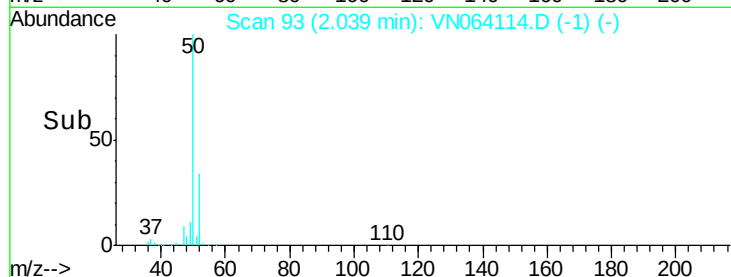
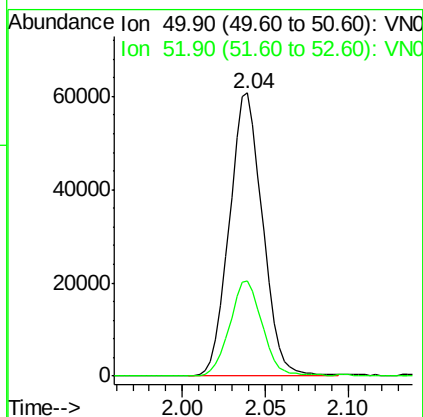
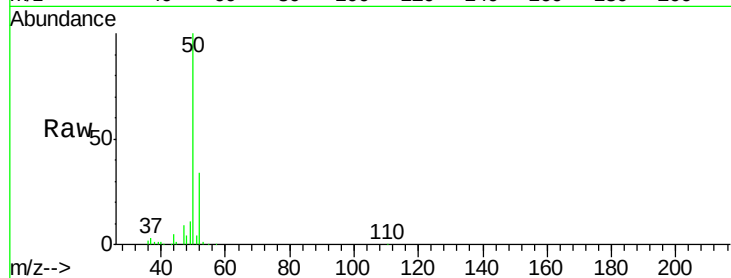
52 33.6 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 24.144 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064114.D

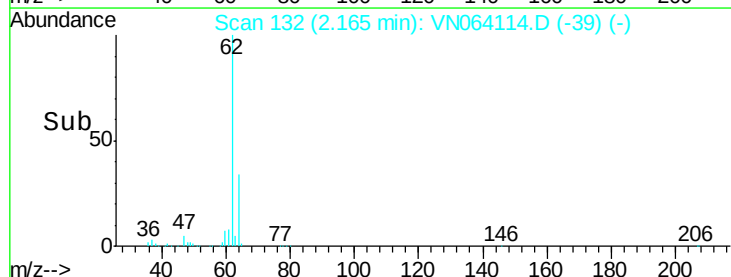
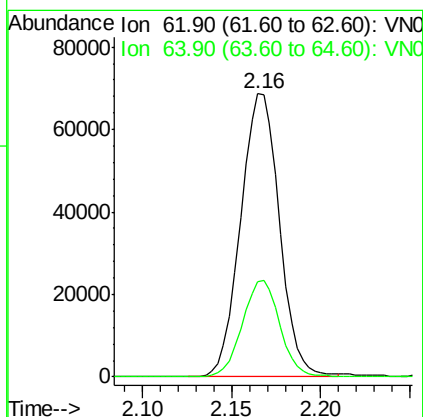
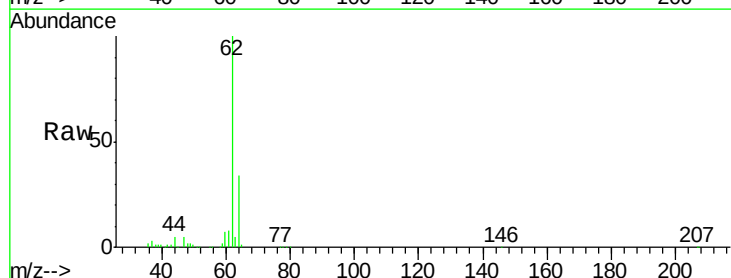
Acq: 14 Oct 2020 15:06

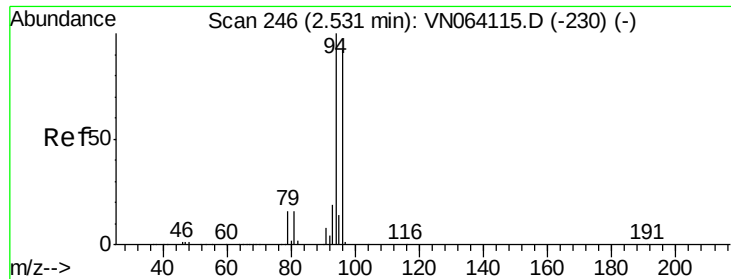
Tgt Ion: 62 Resp: 104322

Ion Ratio Lower Upper

62 100

64 33.6 26.2 39.4





#5

Bromomethane

Concen: 26.500 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 75879

Ion Ratio Lower Upper

94 100

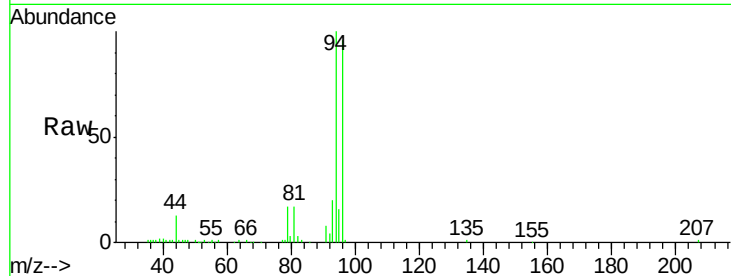
96 95.6 73.5 110.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

40000

30000

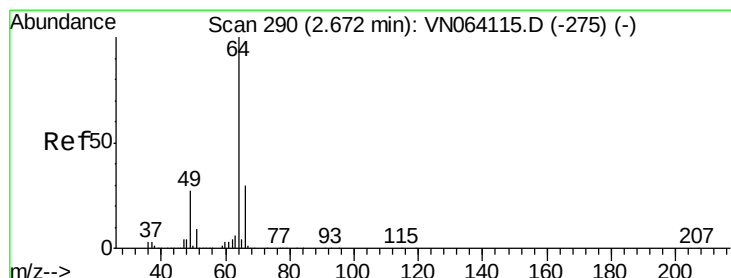
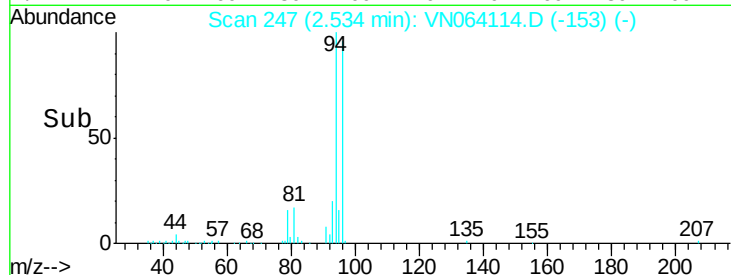
20000

10000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 30.898 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064114.D

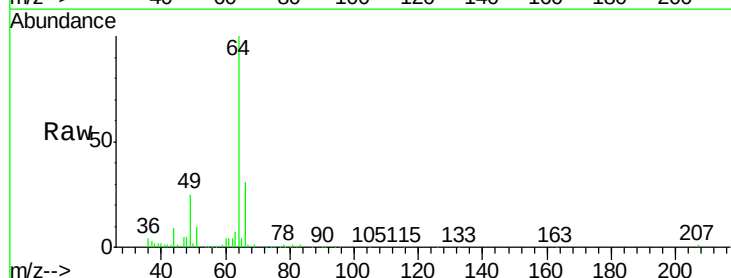
Acq: 14 Oct 2020 15:06

Tgt Ion: 64 Resp: 83824

Ion Ratio Lower Upper

64 100

66 30.5 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

50000

40000

30000

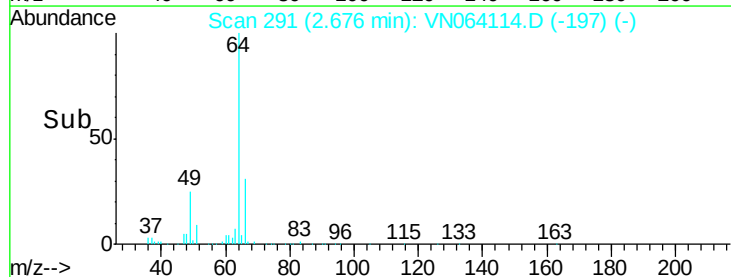
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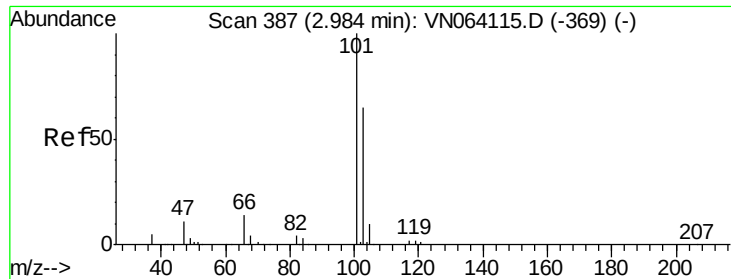
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Time-->

2.60 2.65 2.70 2.75





#7

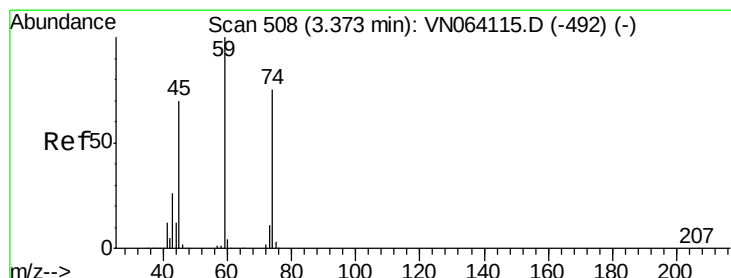
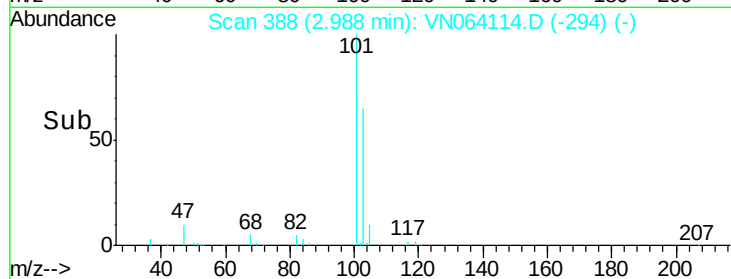
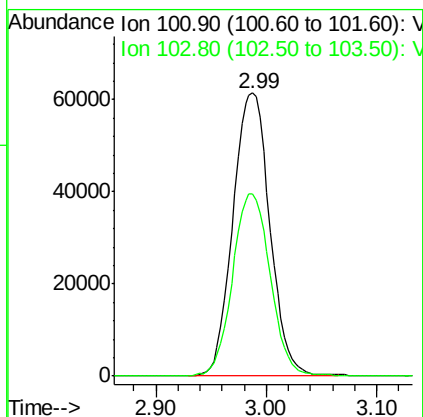
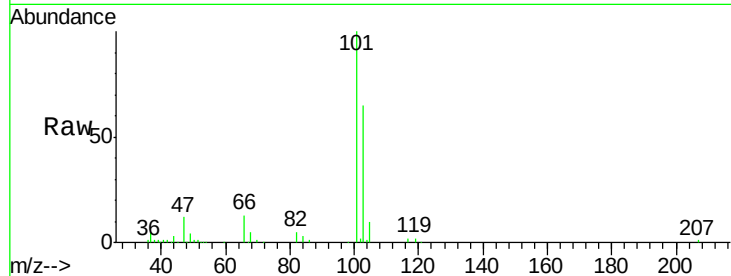
Trichlorofluoromethane
Concen: 21.350 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	142391		
103	64.6	51.8	77.6	

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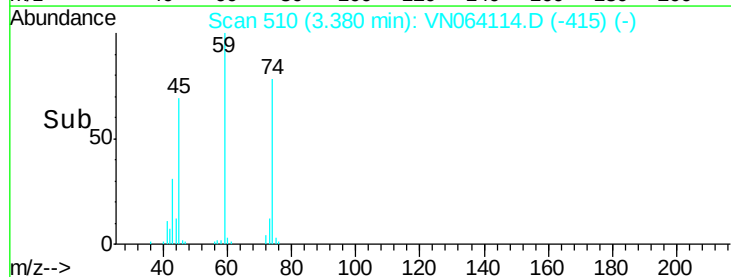
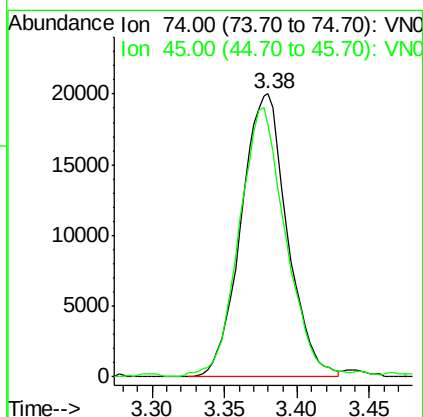
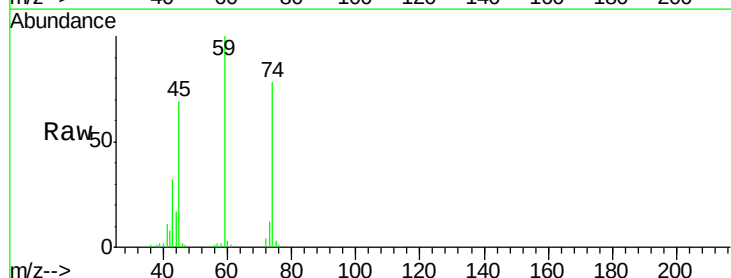
MMDadoda
10/15/2020 12:17:22 PM

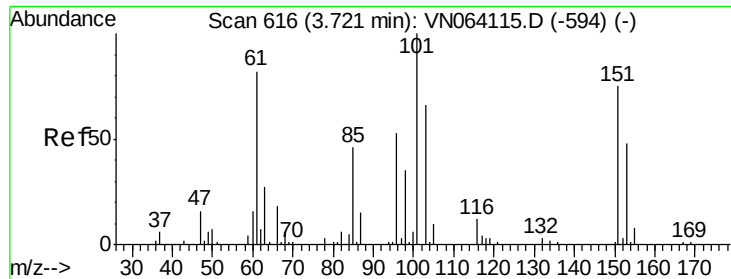


#8

Diethyl Ether
Concen: 19.950 ug/l
RT: 3.38 min Scan# 510
Delta R.T. 0.01 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	44300		
45	95.6	47.0	141.0	





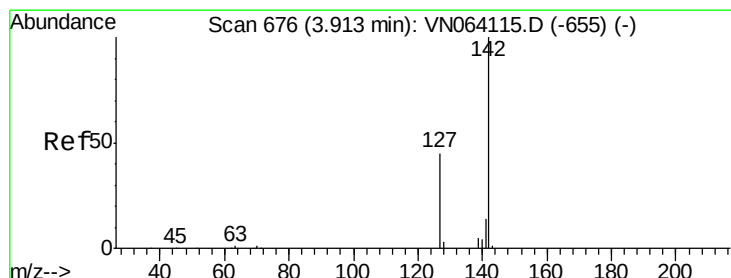
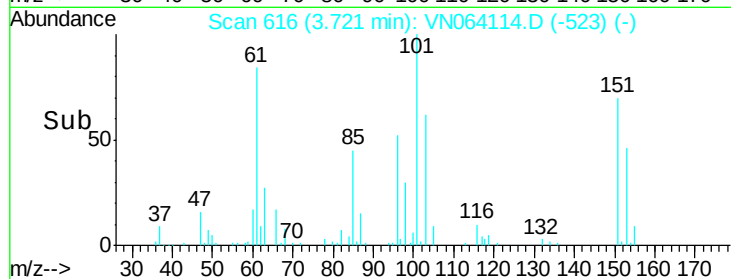
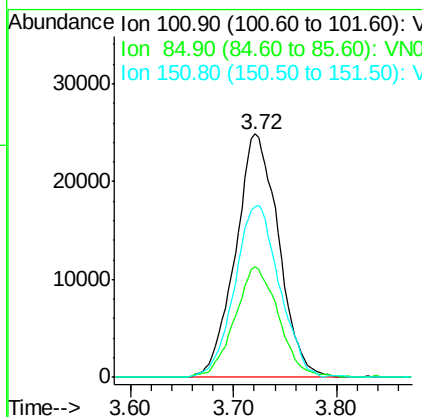
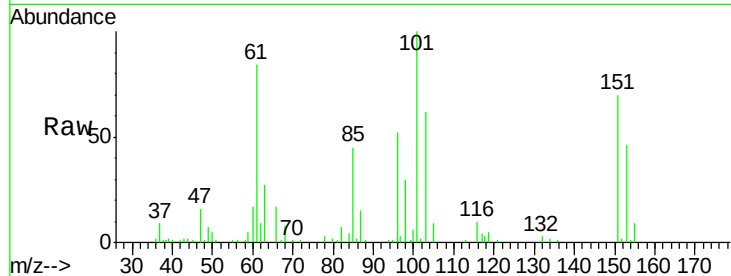
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.463 ug/l
 RT: 3.72 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VN064114.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.9	55.3
151	73.1	60.7	91.1

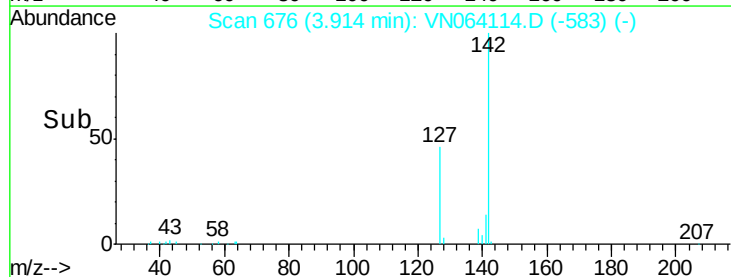
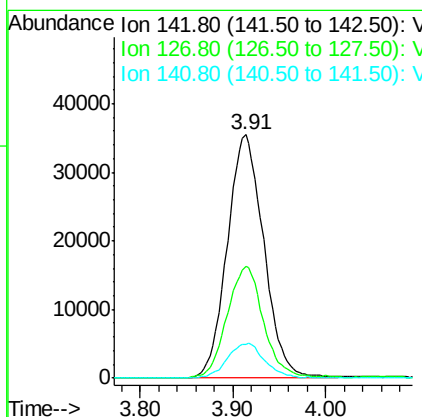
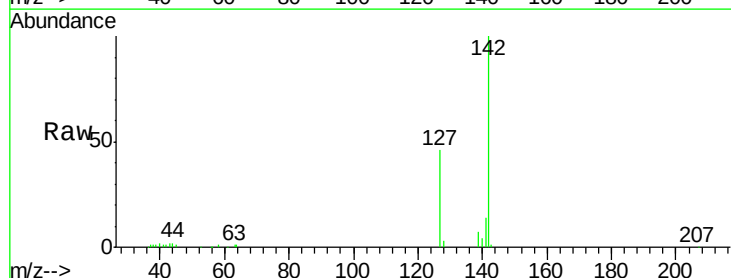
Manual Integrations
 APPROVED

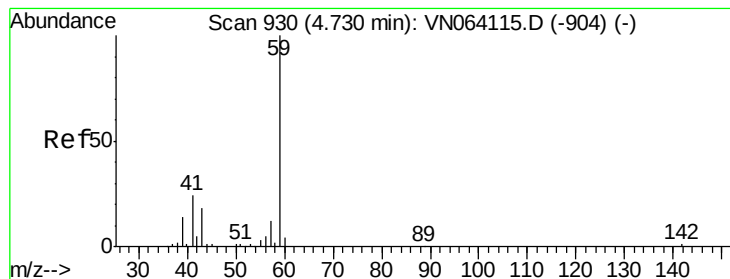
MMDadoda
 10/15/2020 12:17:22 PM



#10
 Methyl Iodide
 Concen: 23.026 ug/l
 RT: 3.91 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.5	36.3	54.5
141	14.4	11.6	17.4





#11

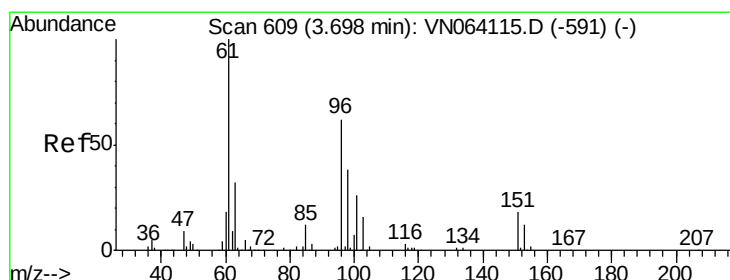
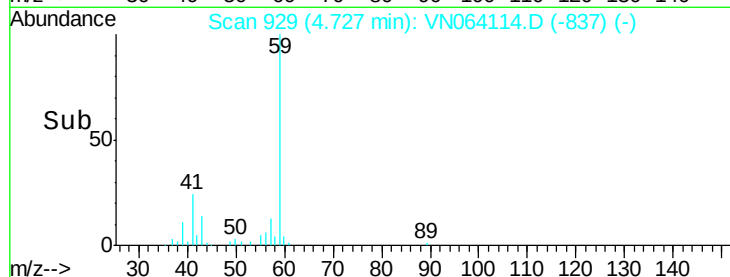
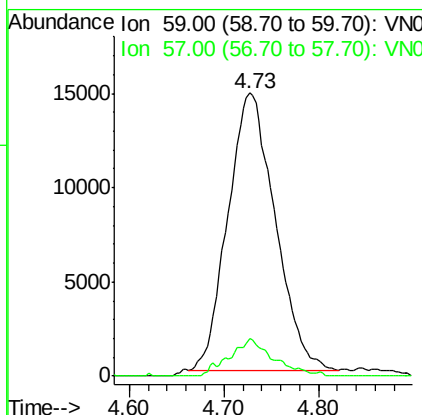
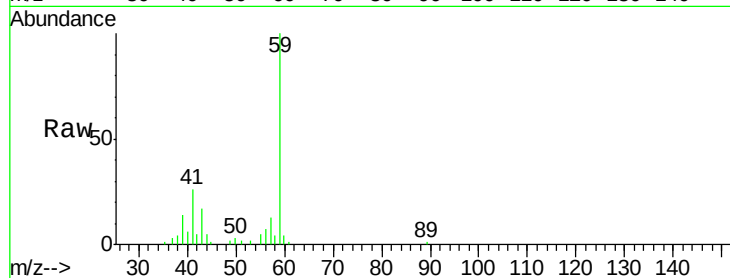
Tert butyl alcohol
 Concen: 86.555 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	59	Resp	51404
Ion Ratio	100	Lower	Upper
57	10.5	8.9	13.3

Manual Integrations
 APPROVED

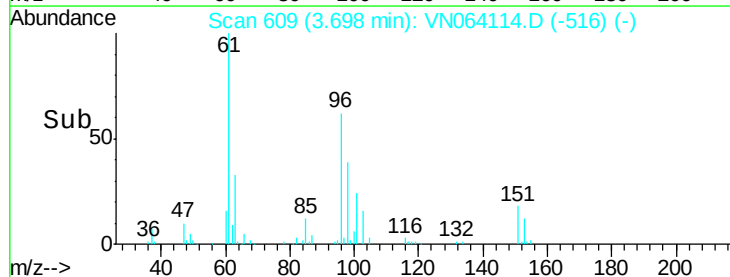
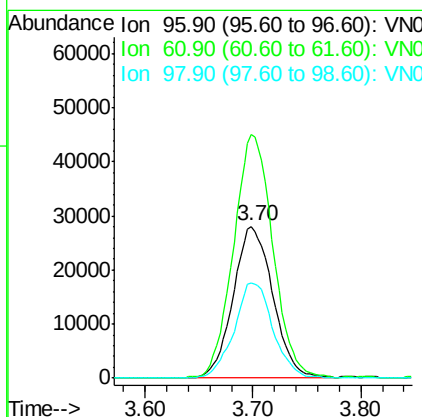
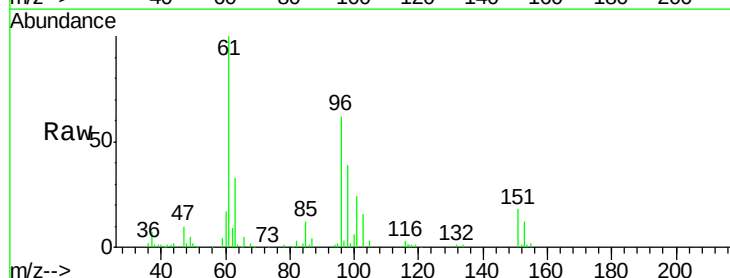
MMDadoda
 10/15/2020 12:17:22 PM

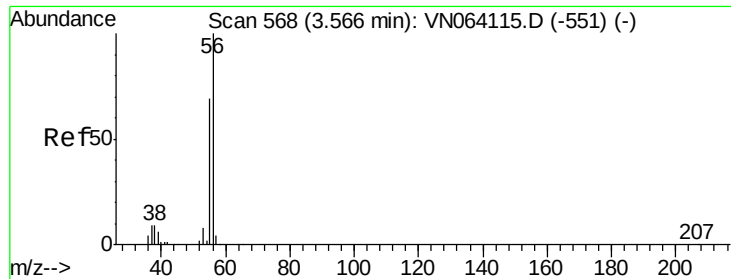


#12

1,1-Dichloroethene
 Concen: 21.127 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Tgt Ion	96	Resp	71837
Ion Ratio	100	Lower	Upper
61	159.8	129.9	194.9
98	62.8	48.9	73.3





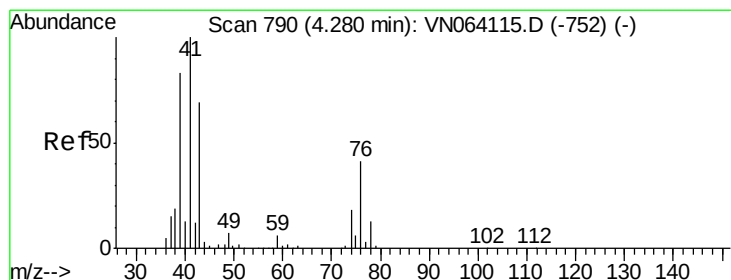
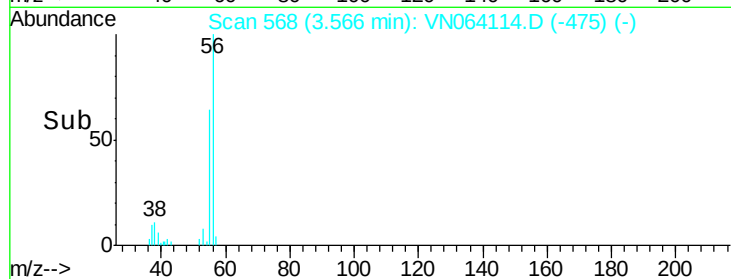
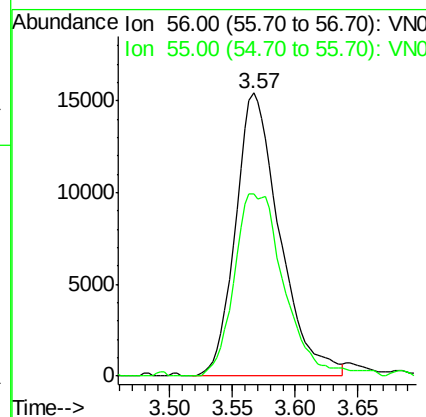
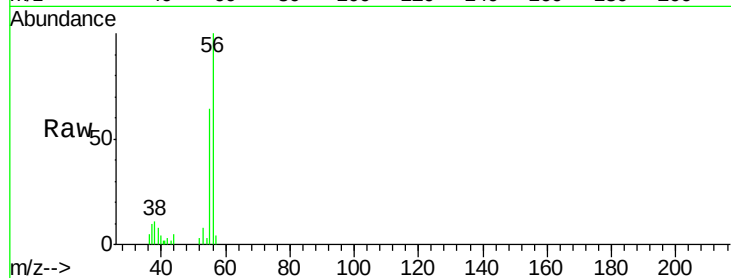
#13
Acrolein
Concen: 97.610 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	72.2	55.8	83.6

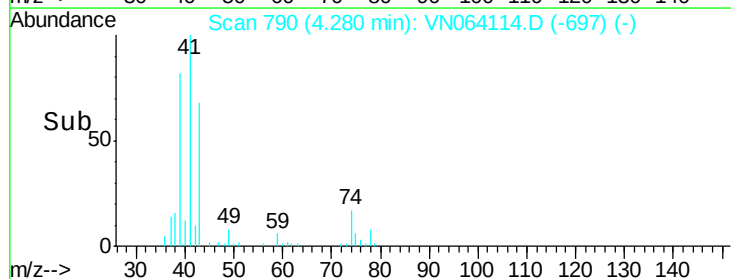
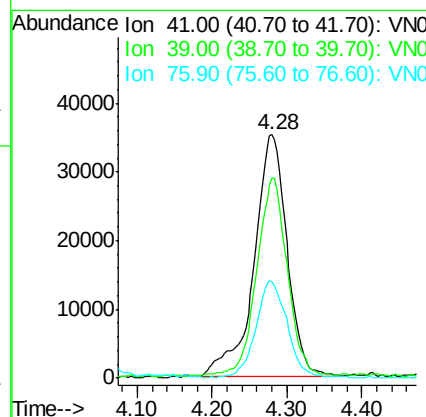
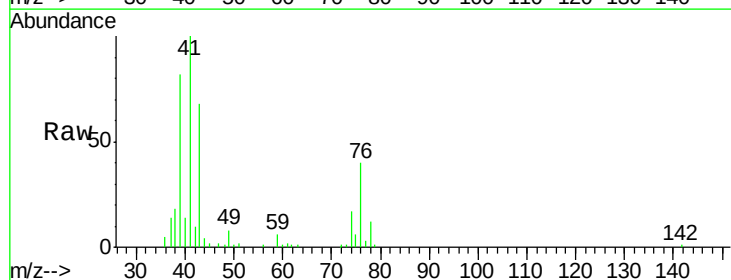
Manual Integrations
APPROVED

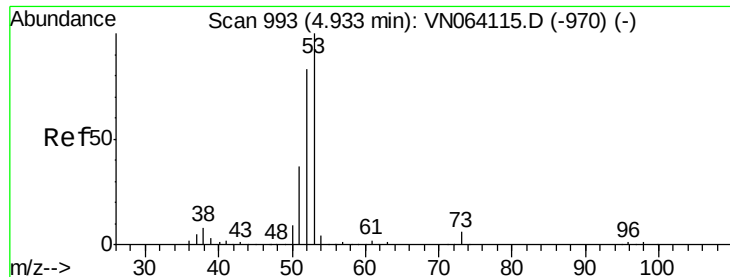
MMDadoda
10/15/2020 12:17:22 PM



#14
Allyl chloride
Concen: 17.804 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	75.3	60.5	90.7
76	76	37.8	29.5	44.3





#15

Acrylonitrile

Concen: 94.566 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Instrument :

MSVOA_N

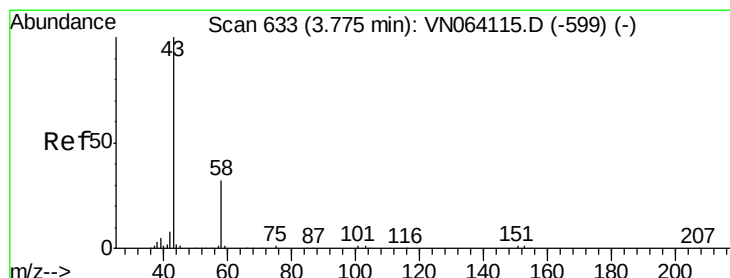
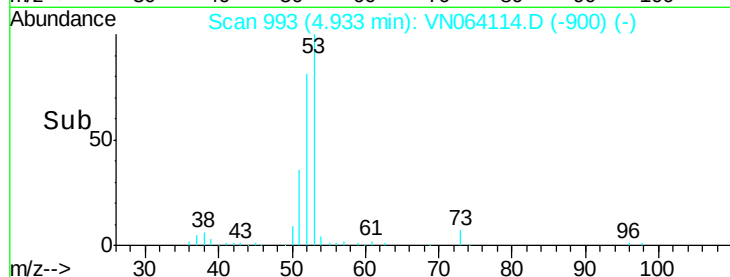
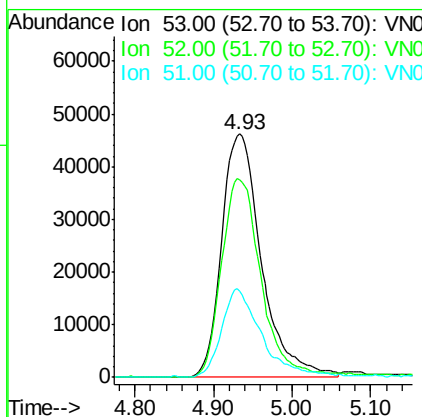
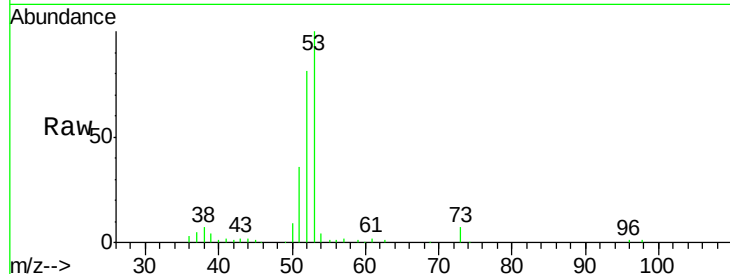
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	162607
Ion Ratio	Lower	Upper	
53	100		
52	80.5	65.8	98.6
51	36.5	29.4	44.2

Manual Integrations
APPROVED

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#16

Acetone

Concen: 86.602 ug/l

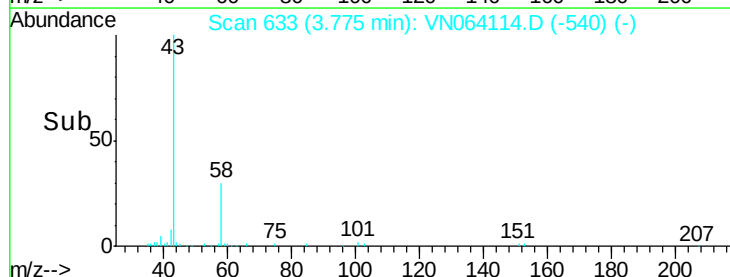
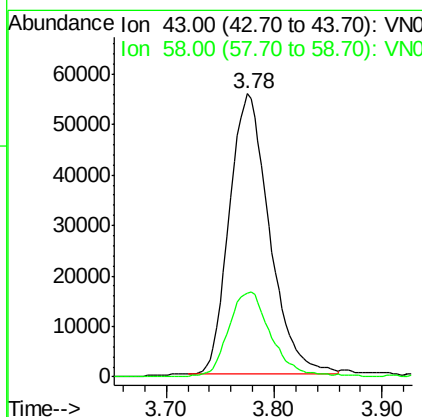
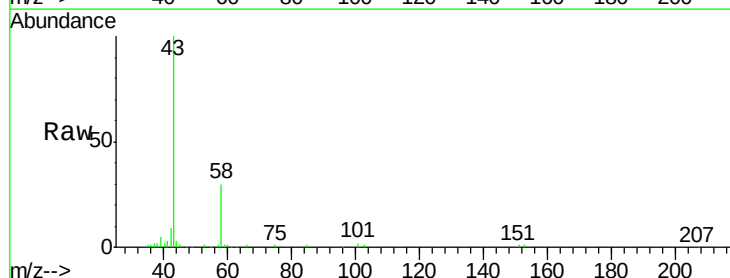
RT: 3.78 min Scan# 633

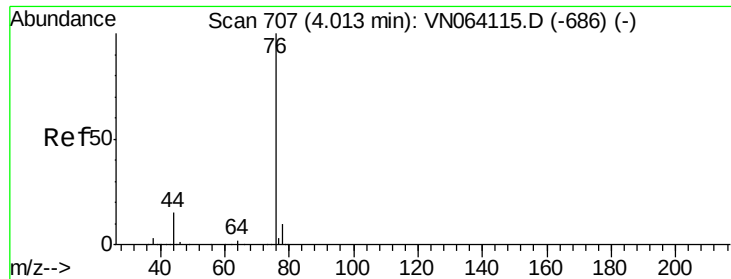
Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Tgt Ion:	43	Resp:	143915
Ion Ratio	Lower	Upper	
43	100		
58	29.5	25.2	37.8





#17

Carbon Disulfide

Concen: 20.875 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Tot Ion: 76 Resp: 208200

Ion Ratio Lower Upper

76 100

78 9.6 7.6 11.4

Instrument :

MSVOA_N

ClientSampleId :

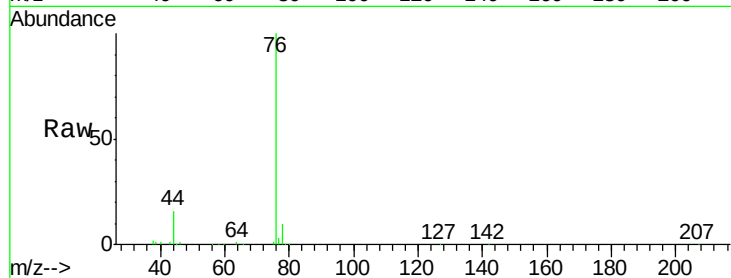
VSTDIC020

Manual Integrations

APPROVED

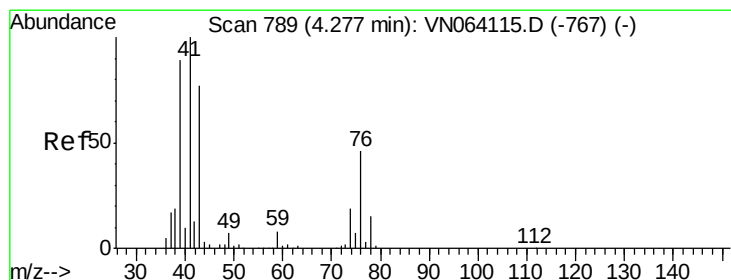
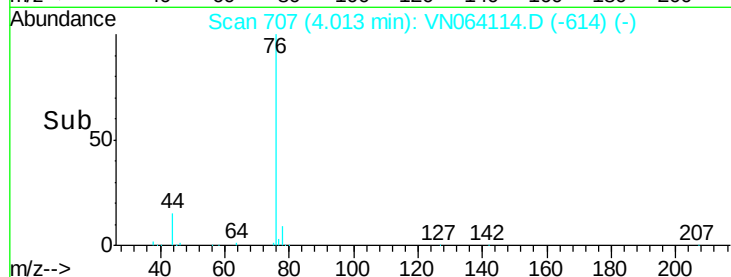
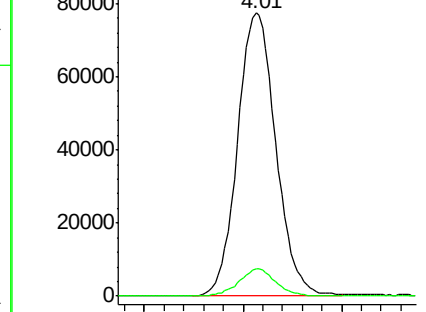
MMDadoda

10/15/2020 12:17:22 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 16.301 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064114.D

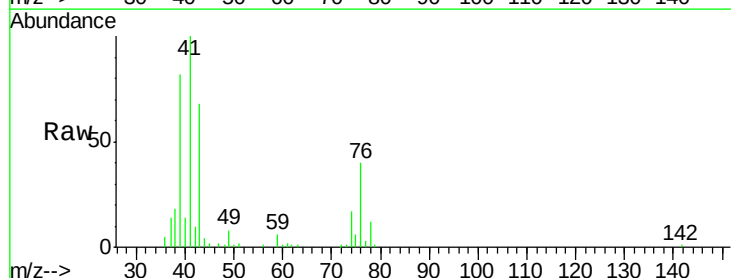
Acq: 14 Oct 2020 15:06

Tgt Ion: 43 Resp: 70227

Ion Ratio Lower Upper

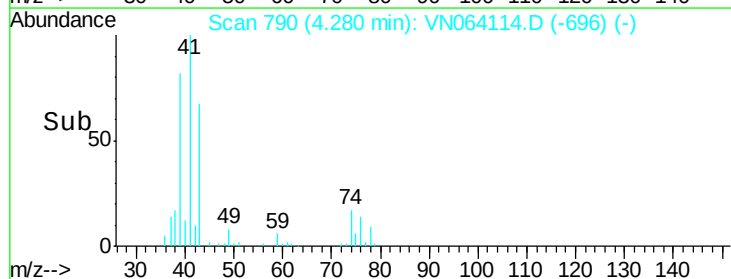
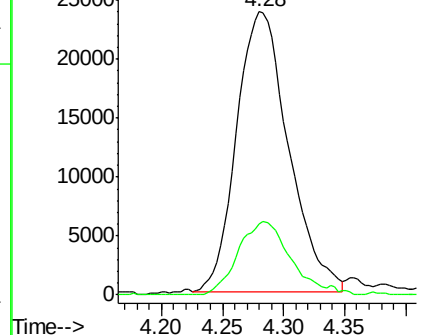
43 100

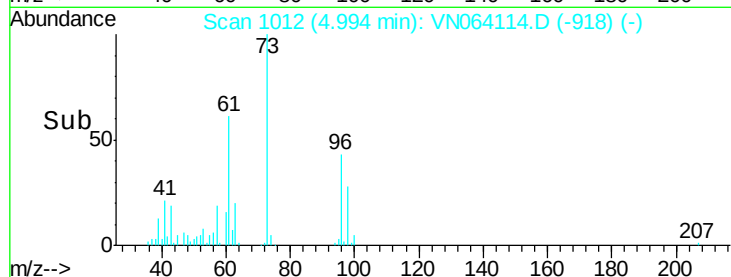
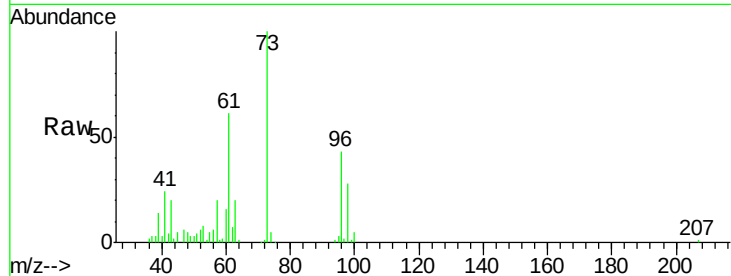
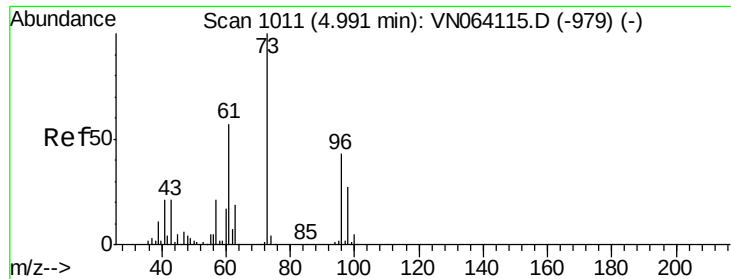
74 25.8 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





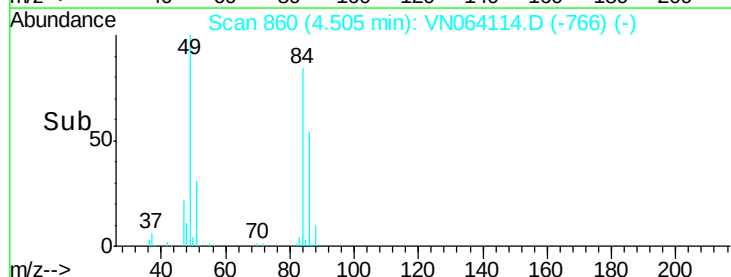
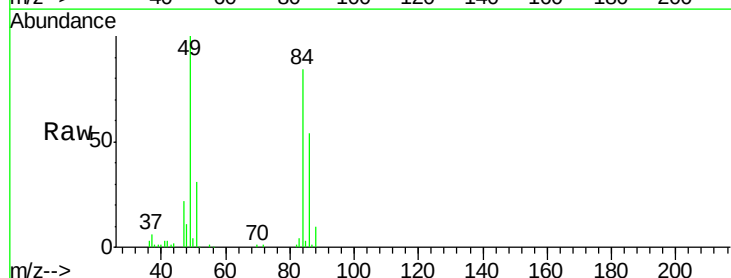
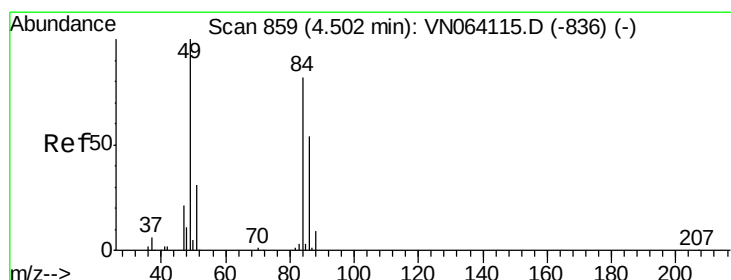
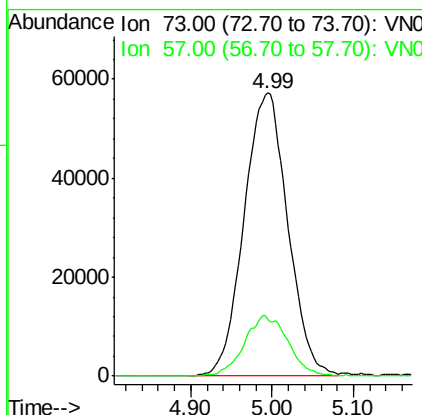
#19
Methyl tert-butyl Ether
Concen: 17.767 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tot Ion	73	Resp	213117
Ion Ratio	100	Lower	Upper
73	100	17.0	25.4
57	20.0		

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

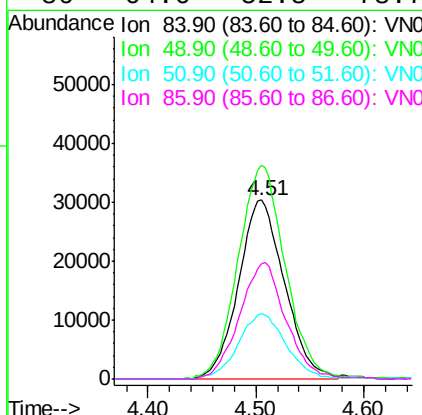
Manual Integrations
APPROVED

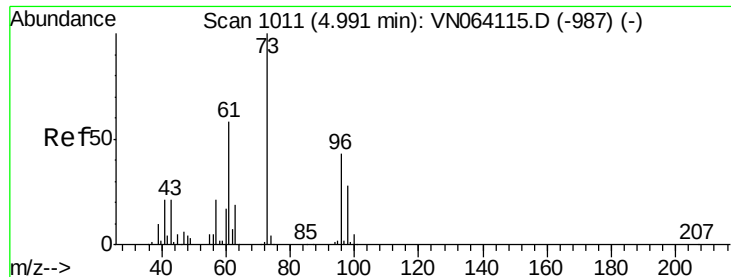
MMDadoda
10/15/2020 12:17:22 PM



#20
Methylene Chloride
Concen: 21.066 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	84	Resp	89908
Ion Ratio	100	Lower	Upper
84	100	97.4	146.0
49	118.7	29.7	44.5
51	36.5	52.5	78.7
86	64.6		





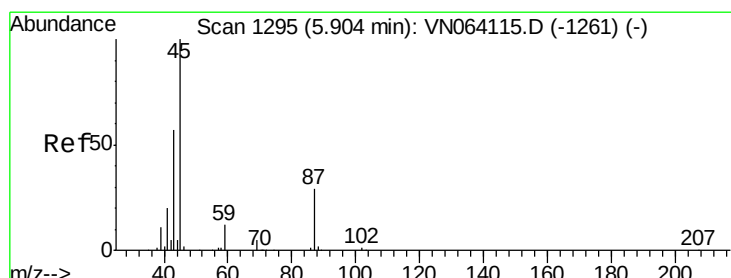
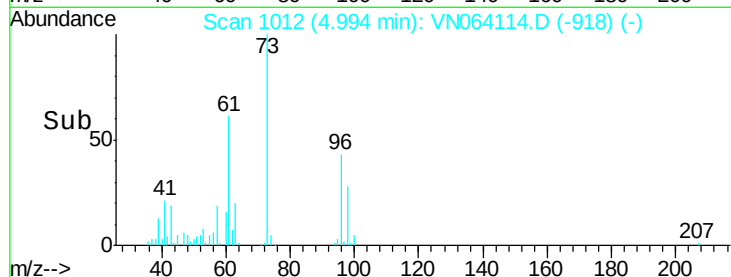
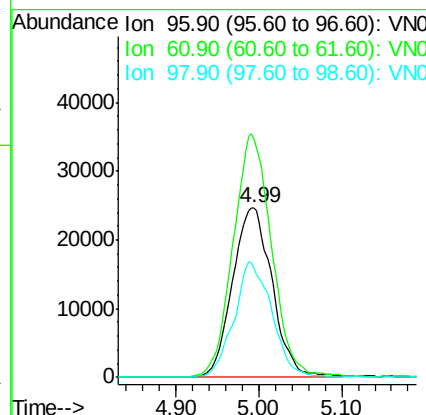
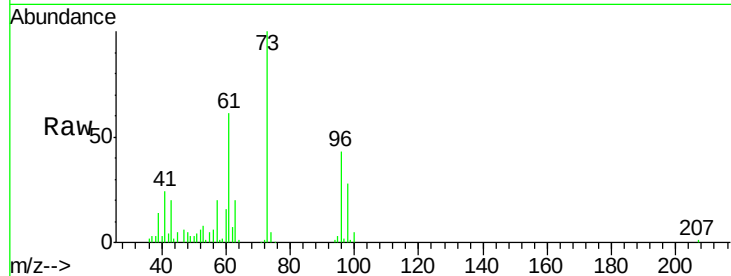
#21
trans-1,2-Dichloroethene
Concen: 21.394 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	107.0	160.4
98	64.6	51.0	76.6

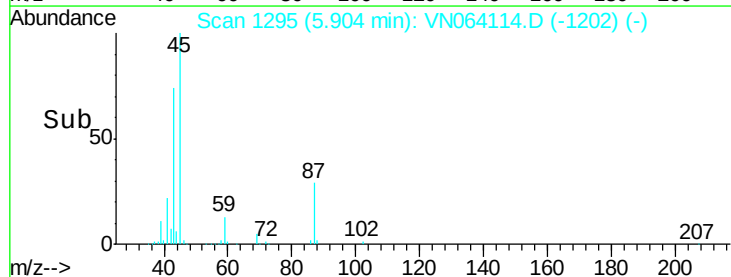
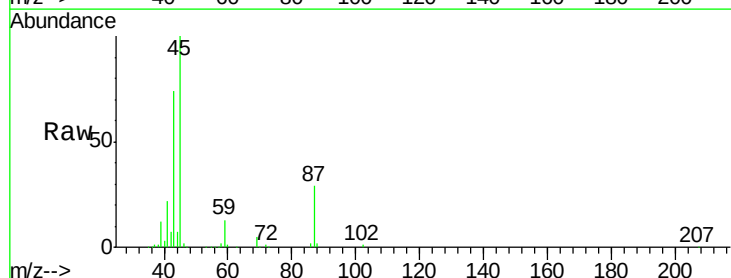
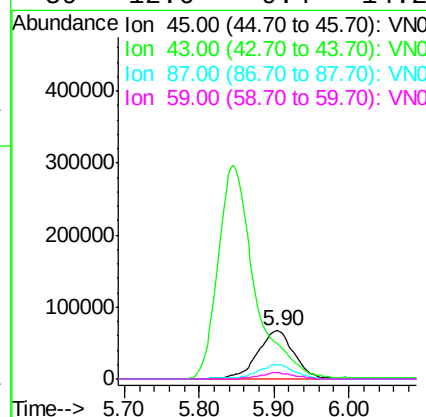
Manual Integrations
APPROVED

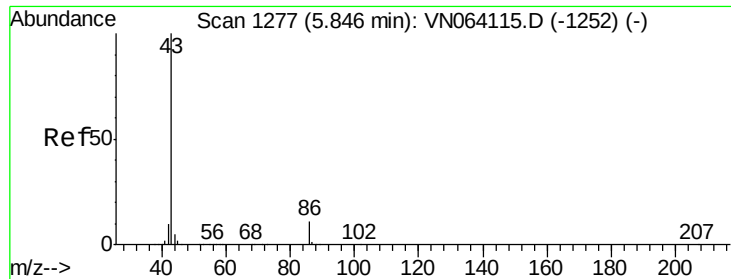
MMDadoda
10/15/2020 12:17:22 PM



#22
Diisopropyl ether
Concen: 18.103 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.2	50.9	76.3
87	29.1	23.5	35.3
59	12.6	9.4	14.2





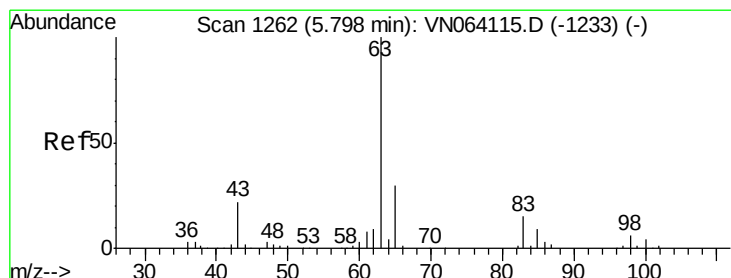
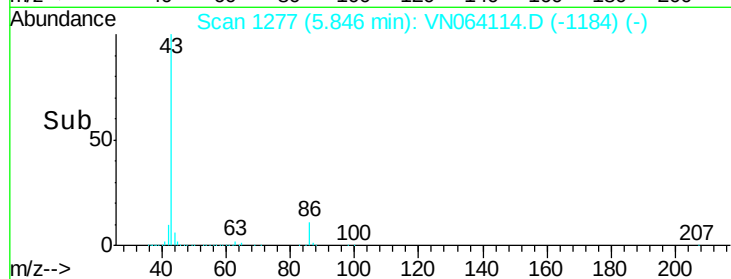
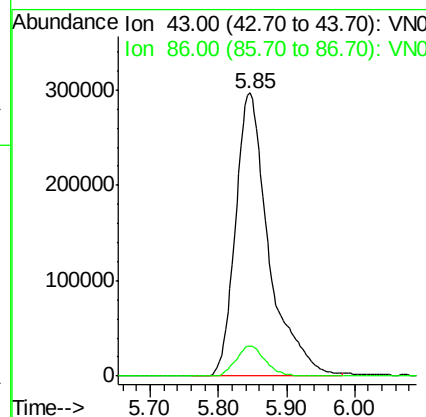
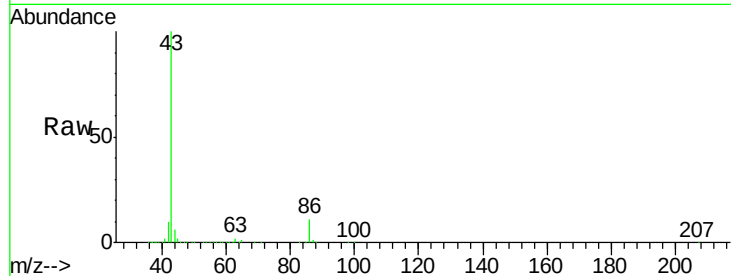
#23
 Vinyl Acetate
 Concen: 95.652 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 1006946
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.8 13.2

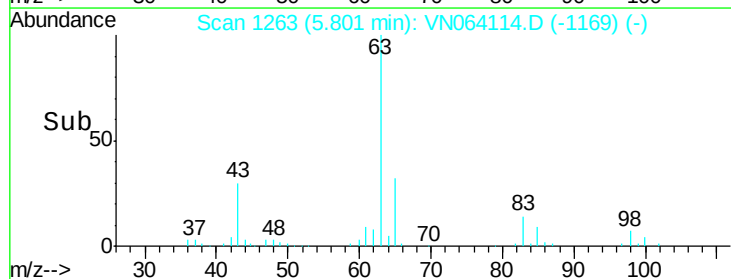
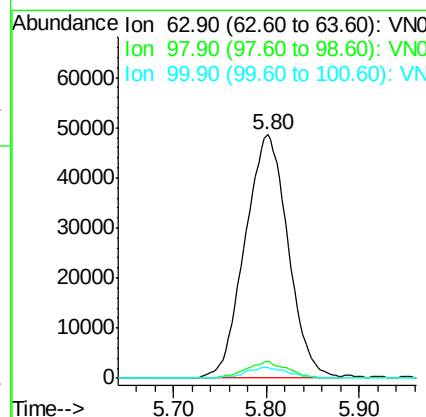
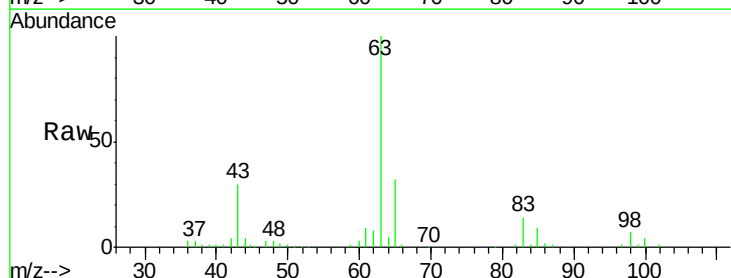
Manual Integrations
 APPROVED

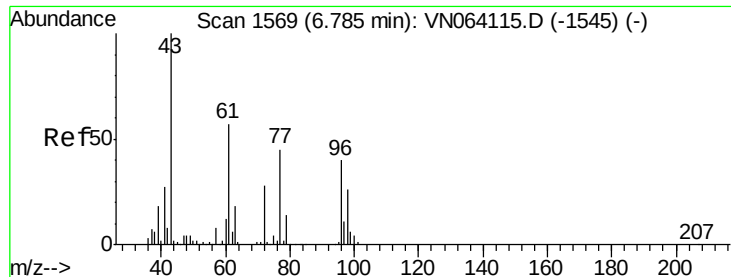
MMDadoda
 10/15/2020 12:17:22 PM



#24
 1,1-Dichloroethane
 Concen: 21.280 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Tgt Ion: 63 Resp: 156758
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.1 9.3
 100 4.4 2.1 6.2





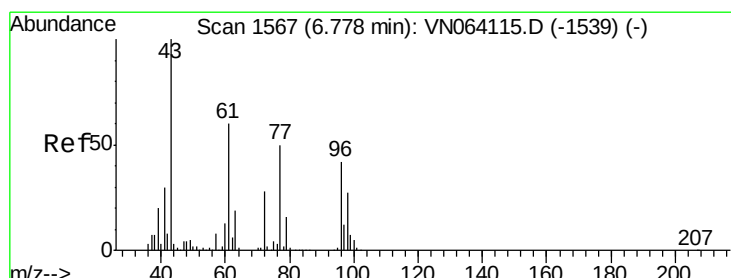
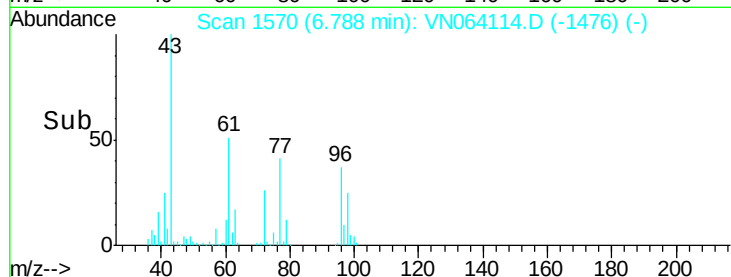
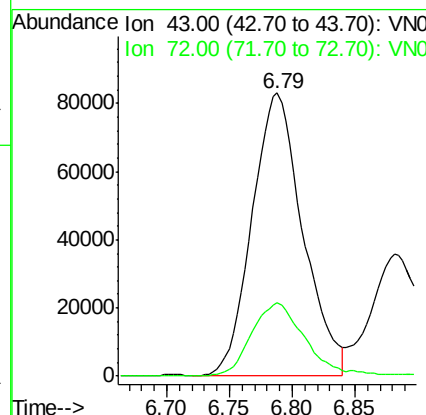
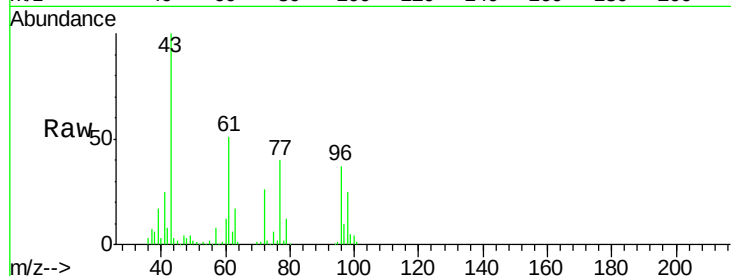
#25
2-Butanone
Concen: 97.599 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	232197
Ion Ratio	100	Lower	Upper
72	26.0	22.2	33.2

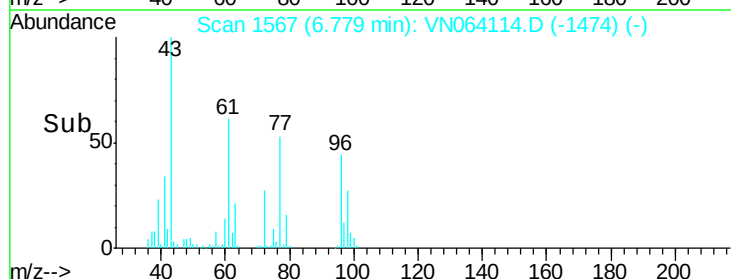
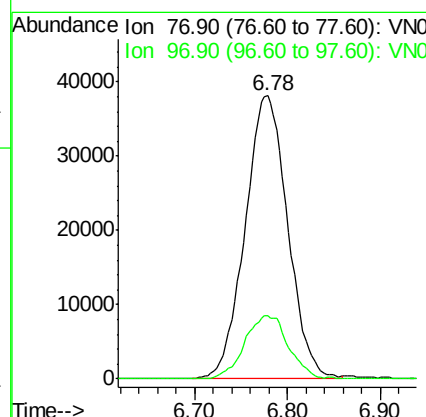
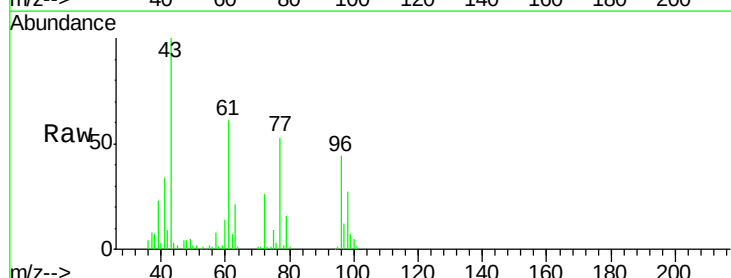
Manual Integrations
APPROVED

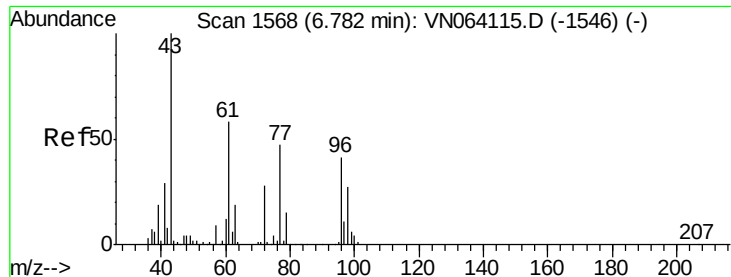
MMDadoda
10/15/2020 12:17:22 PM



#26
2,2-Dichloropropane
Concen: 18.363 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	77	Resp	121803
Ion Ratio	100	Lower	Upper
97	22.8	11.7	35.0





#27

cis-1,2-Dichloroethene

Concen: 21.852 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Instrument :

MSVOA_N

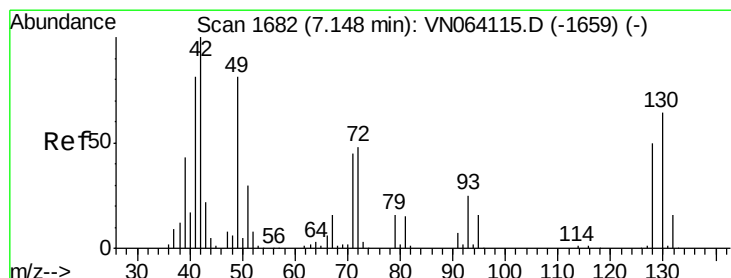
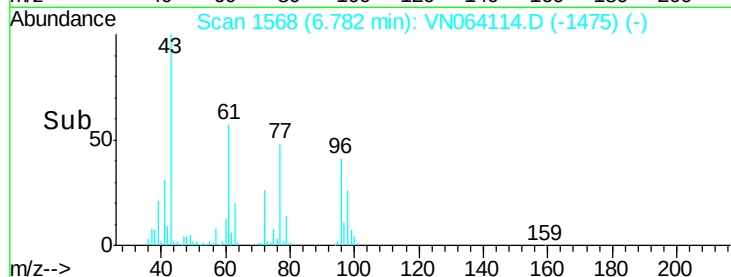
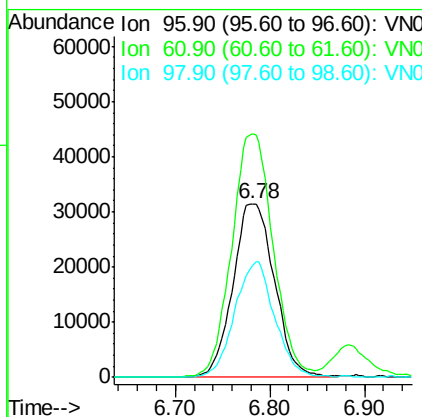
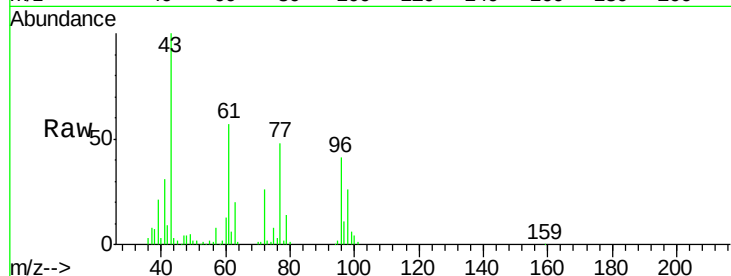
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	96182
Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	285.6
98	64.0	0.0	131.0

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#28

Bromochloromethane

Concen: 16.608 ug/l

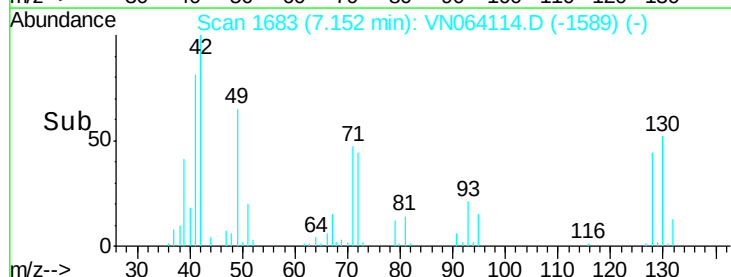
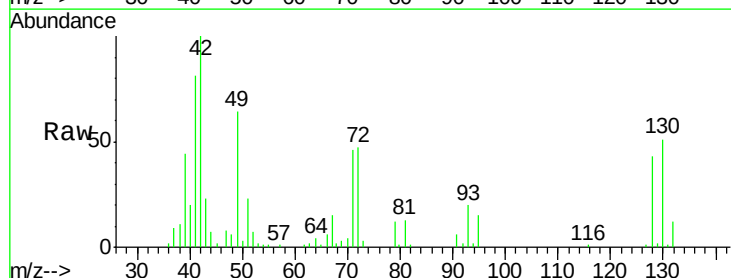
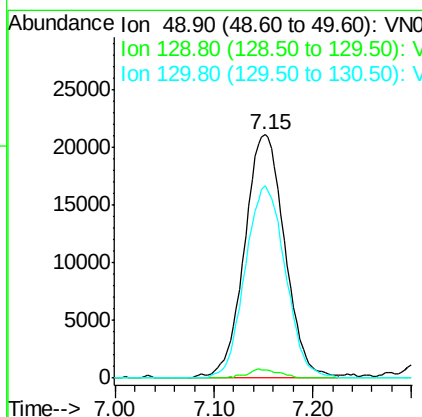
RT: 7.15 min Scan# 1683

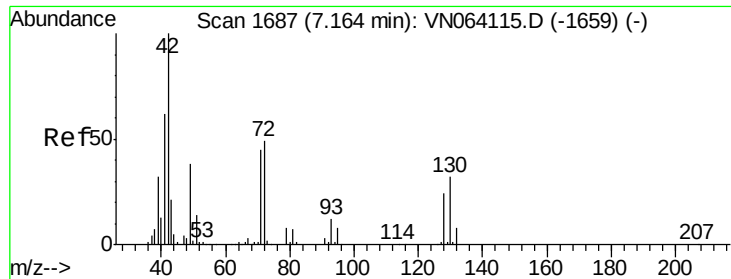
Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Tgt Ion:	49	Resp:	59499
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	2.0#
130	78.6	0.0	0.0#





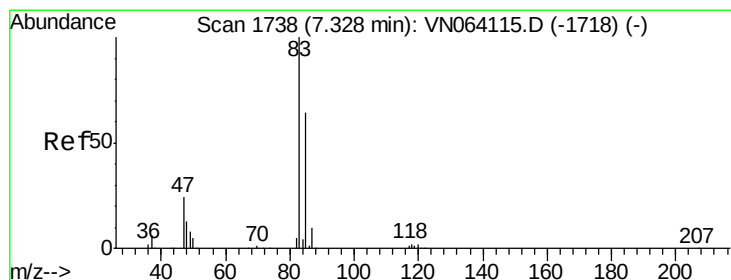
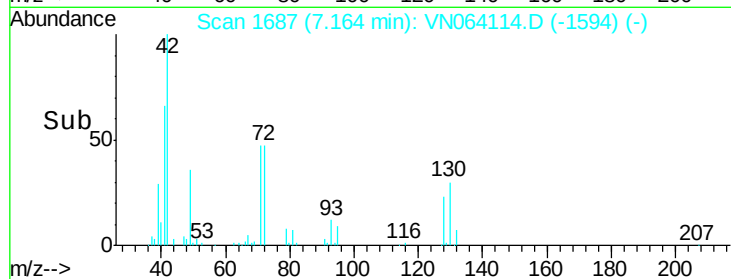
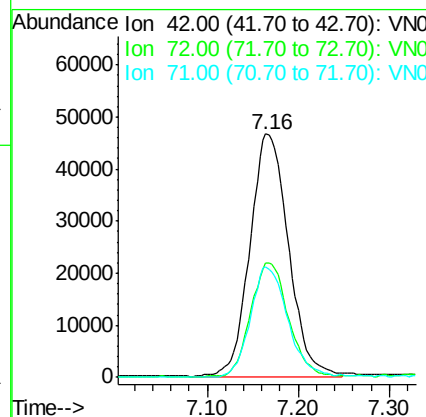
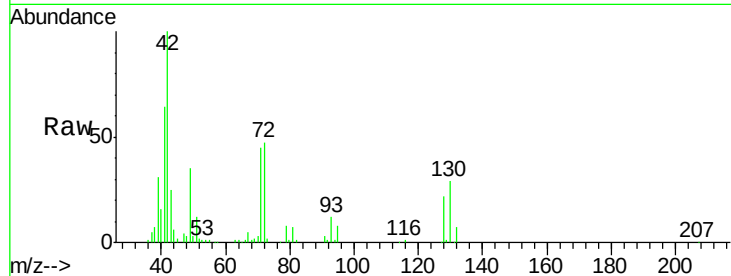
#29
Tetrahydrofuran
Concen: 86.993 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	37.8	56.6
71	44.2	35.3	52.9

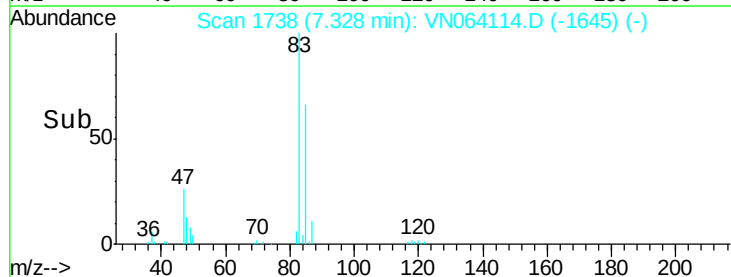
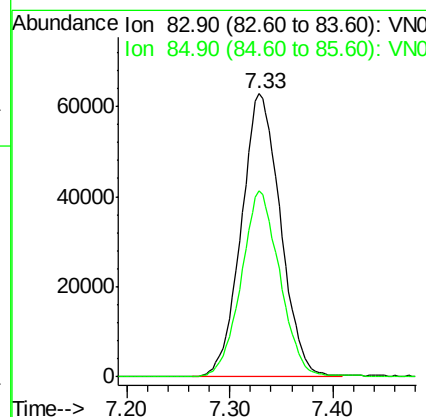
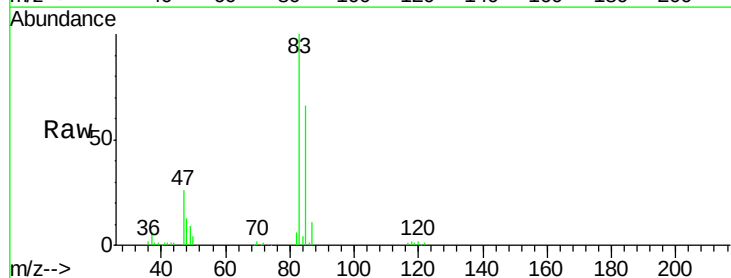
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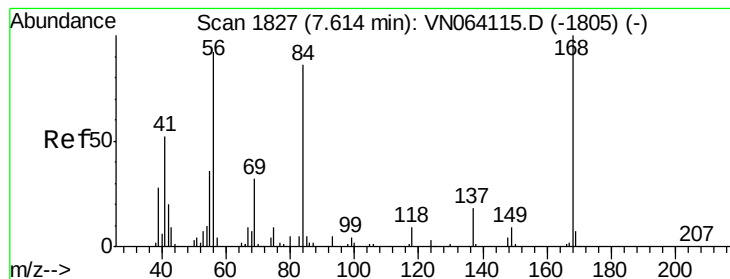
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#30
Chloroform
Concen: 21.442 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.5	77.3





#31

Cyclohexane

Concen: 17.430 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Instrument :

MSVOA_N

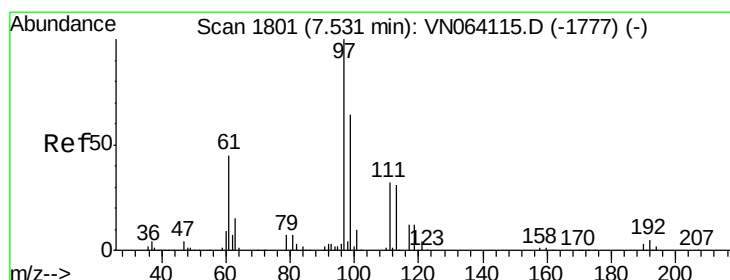
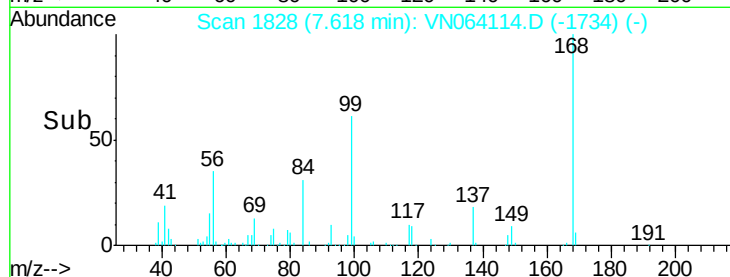
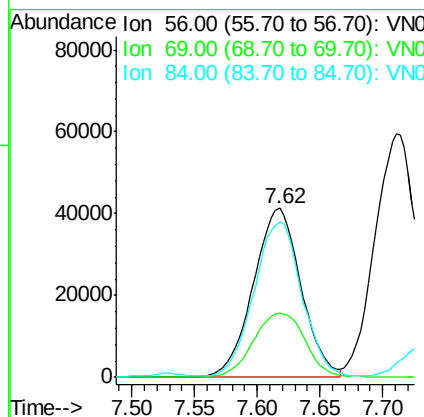
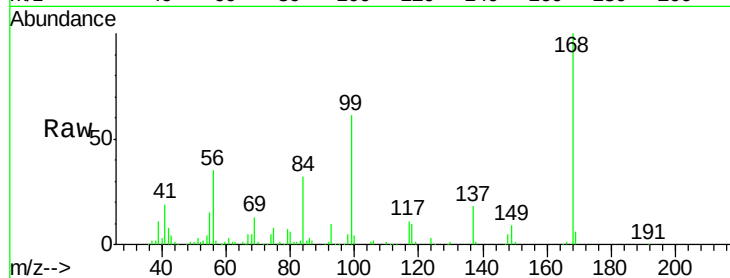
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	109237
Ion	Ratio	Lower	Upper
56	100		
69	37.9	27.8	41.6
84	91.2	73.2	109.8

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#32

1,1,1-Trichloroethane

Concen: 20.764 ug/l

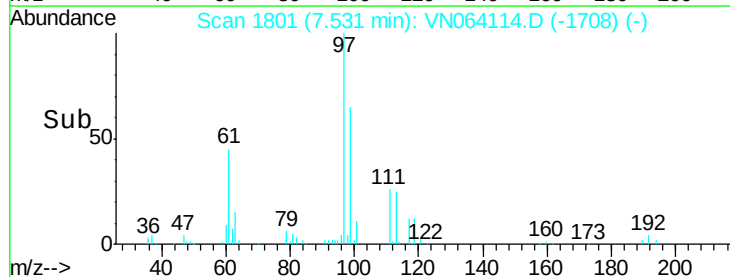
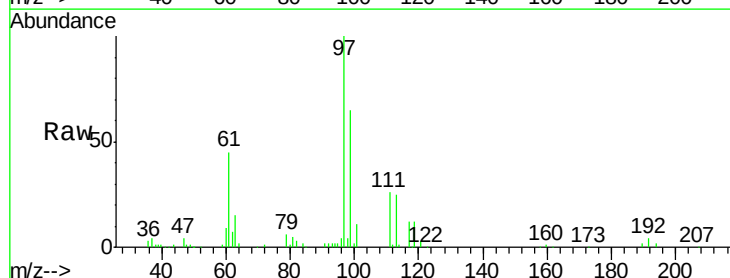
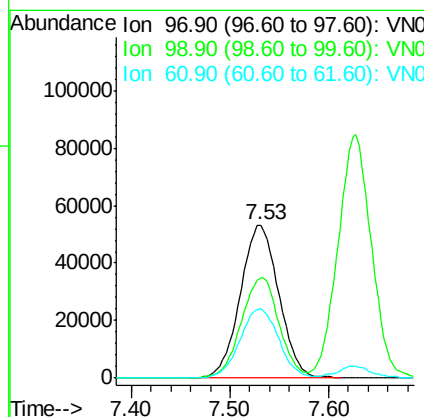
RT: 7.53 min Scan# 1801

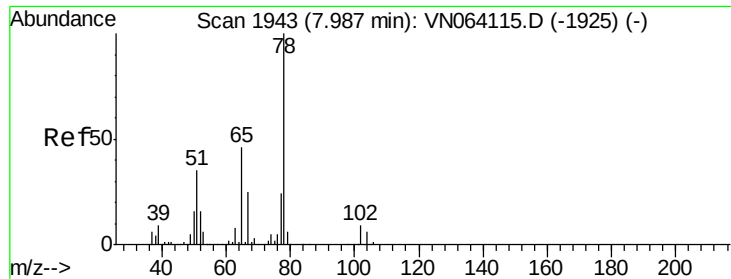
Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Tgt Ion:	97	Resp:	143594
Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.2	75.2
61	45.9	35.6	53.4





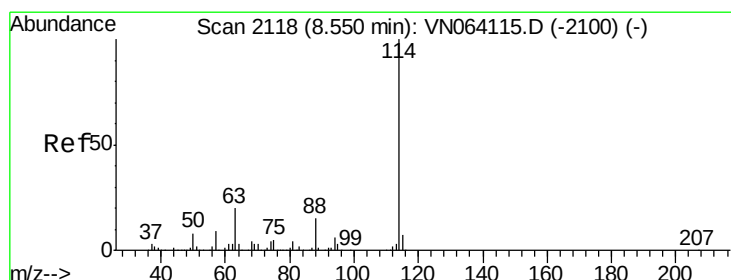
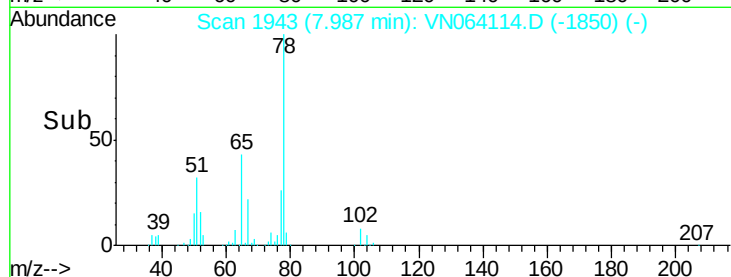
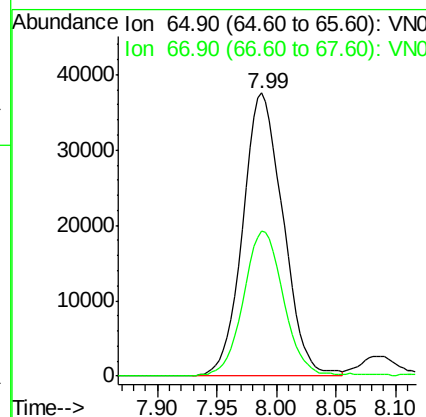
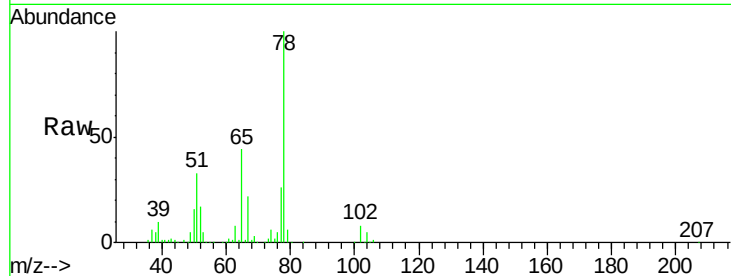
#33
 1,2-Dichloroethane-d4
 Concen: 16.395 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.9	0.0	105.6	

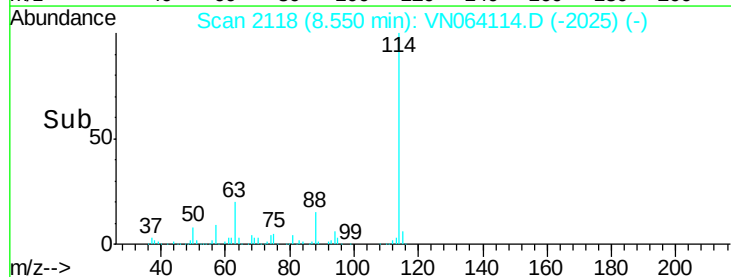
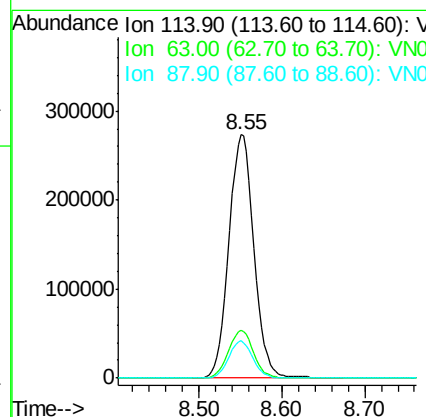
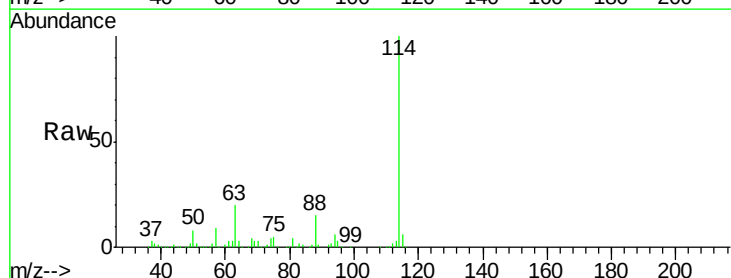
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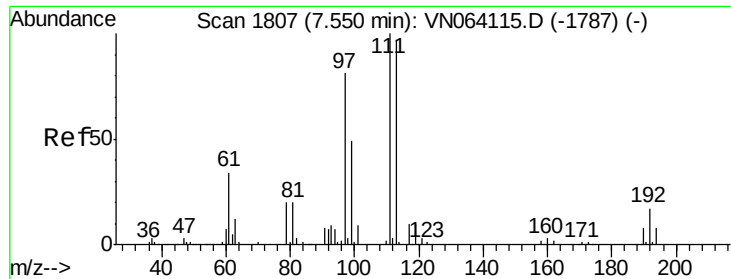
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	41.0	
88	15.3	0.0	29.2	





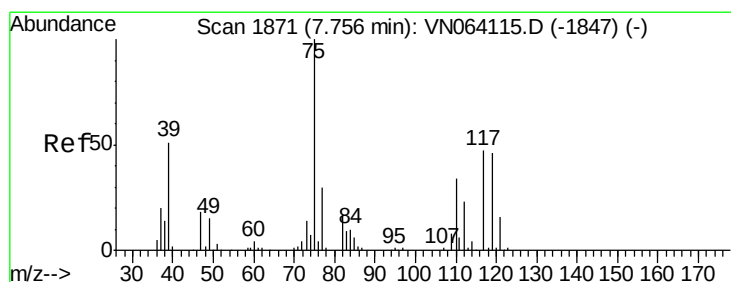
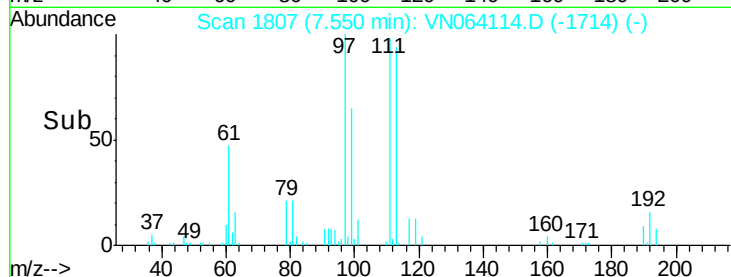
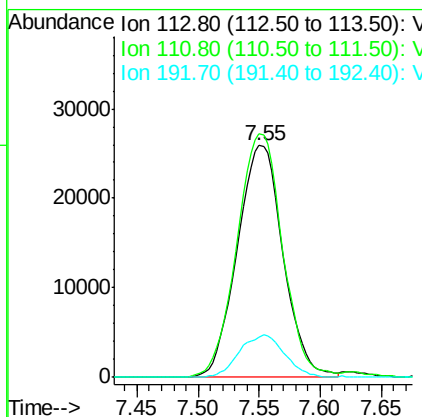
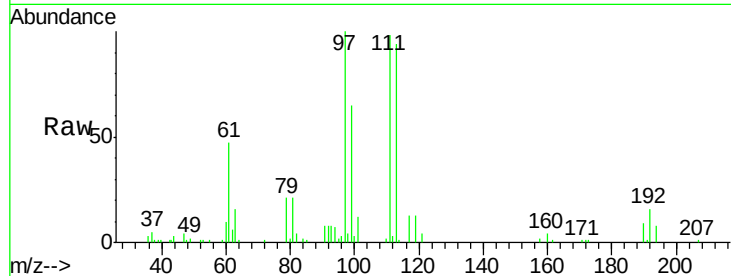
#35
Dibromofluoromethane
Concen: 17.080 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.9	122.9
192	18.1	14.3	21.5

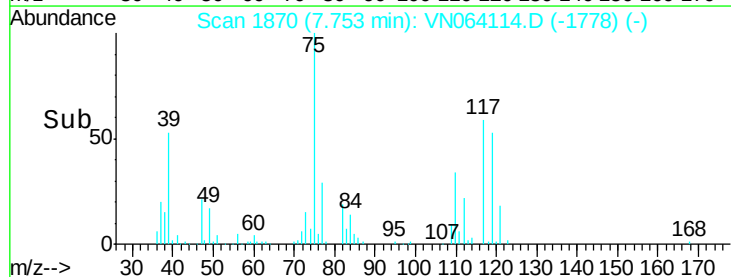
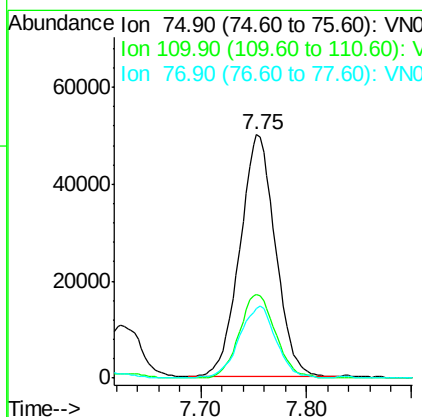
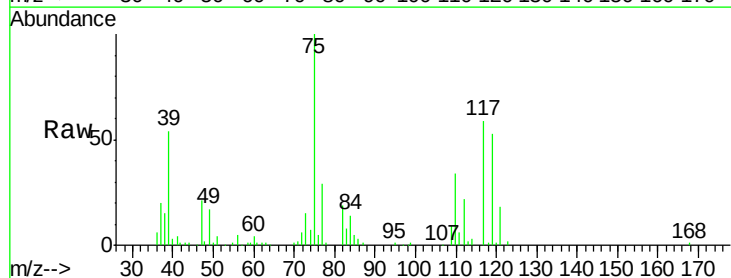
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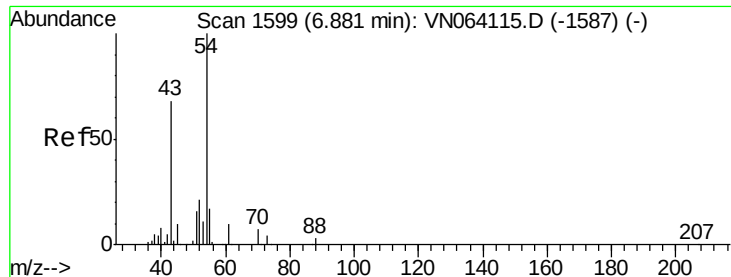
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#36
1,1-Dichloropropene
Concen: 20.254 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.8	53.3
77	30.8	24.9	37.3





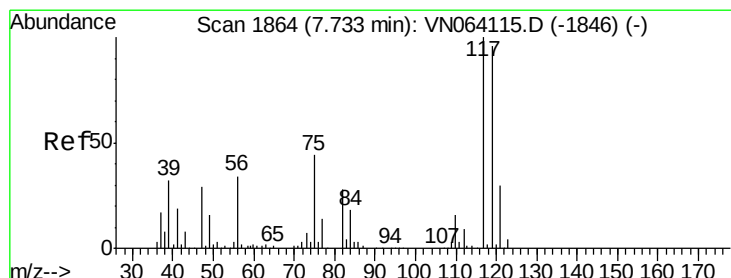
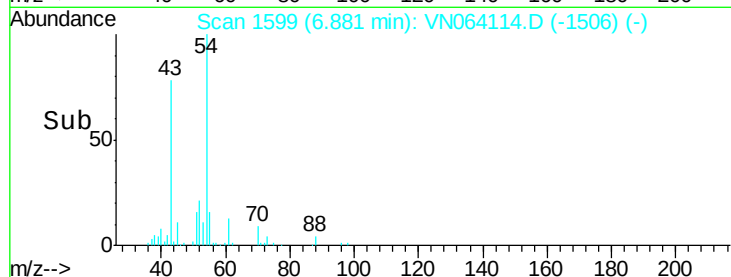
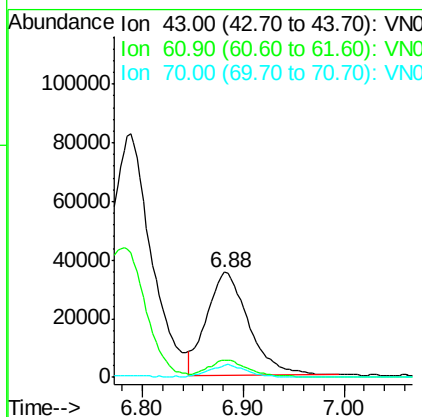
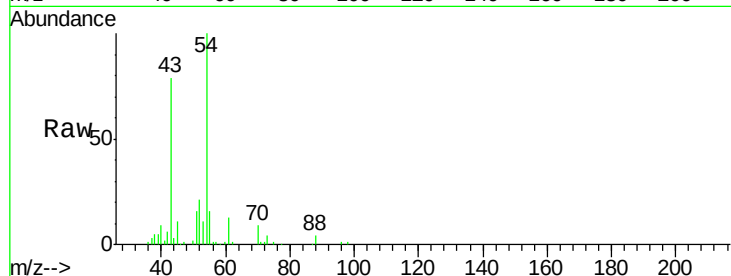
#37
Ethyl Acetate
Concen: 17.930 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.8		11.3	16.9
70	10.3		7.7	11.5

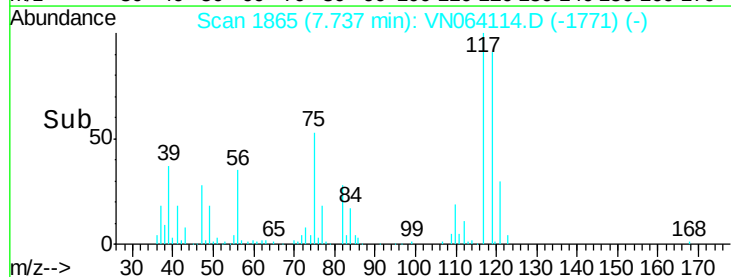
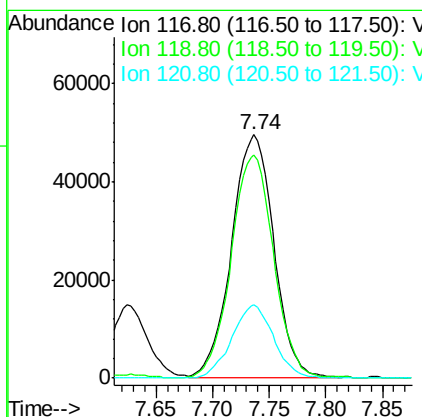
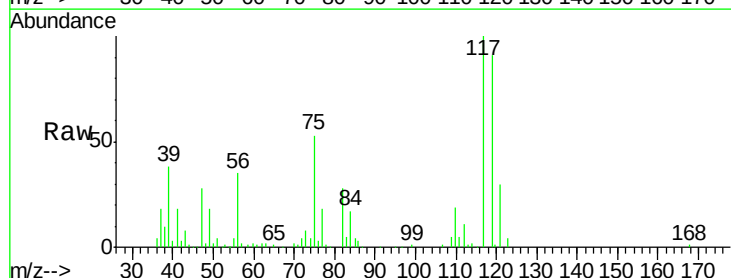
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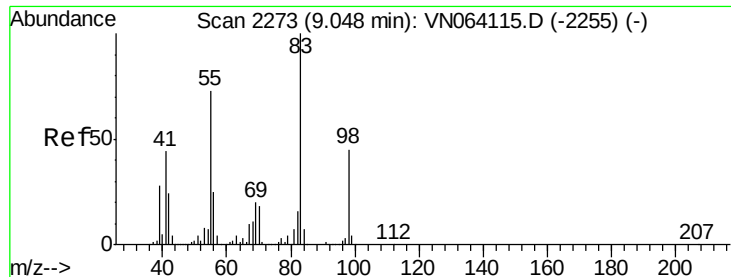
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#38
Carbon Tetrachloride
Concen: 19.826 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	91.3		77.0	115.4
121	30.3		24.2	36.4





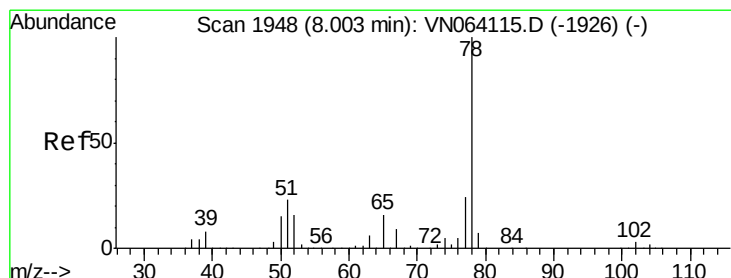
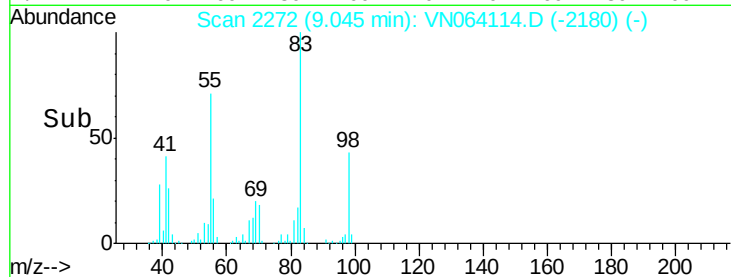
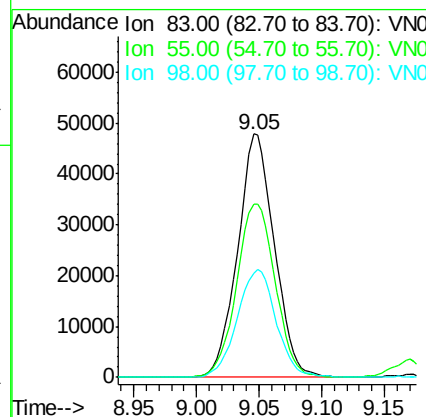
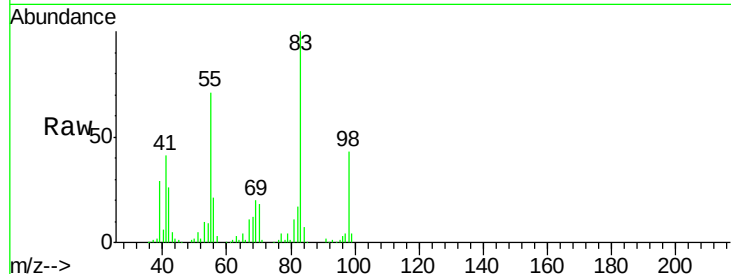
#39
Methylvlcyclohexane
Concen: 17.271 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.9	58.5	87.7
98	42.5	36.2	54.2

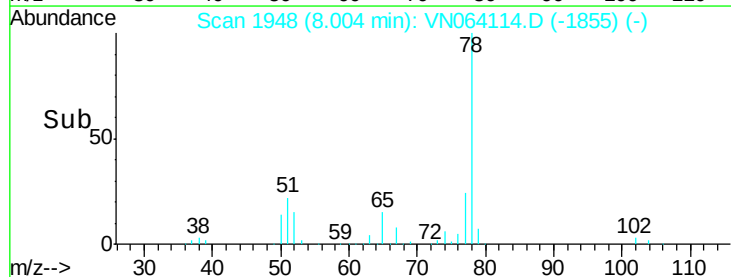
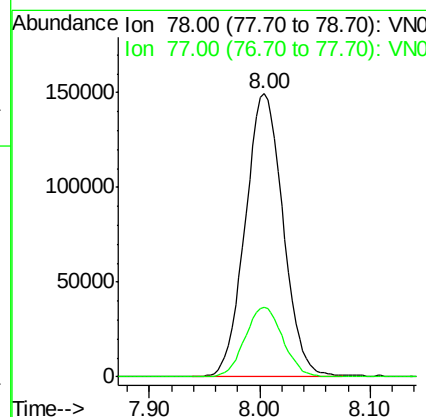
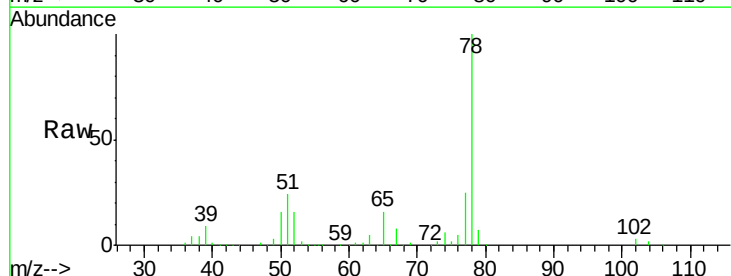
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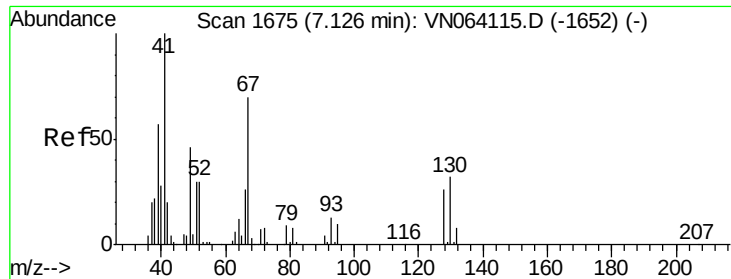
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#40
Benzene
Concen: 21.316 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.3	28.9





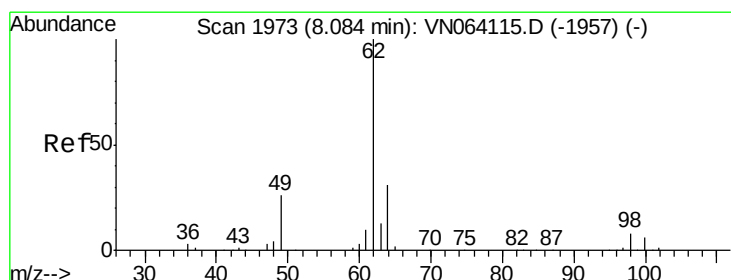
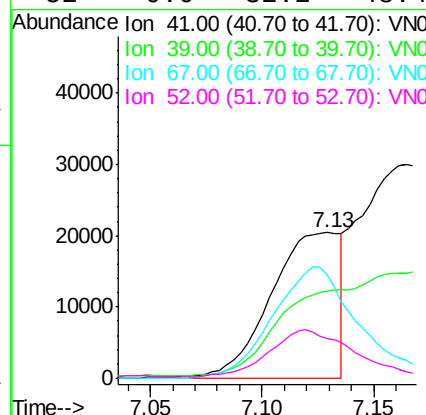
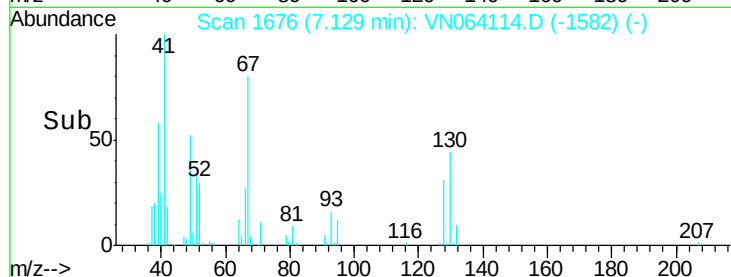
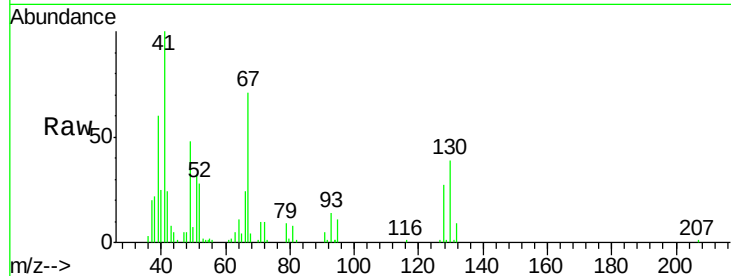
#41
Methacrylonitrile
Concen: 18.002 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	164.3	50.7	76.1#
67	0.0	73.8	110.6#
52	0.0	32.2	48.4#

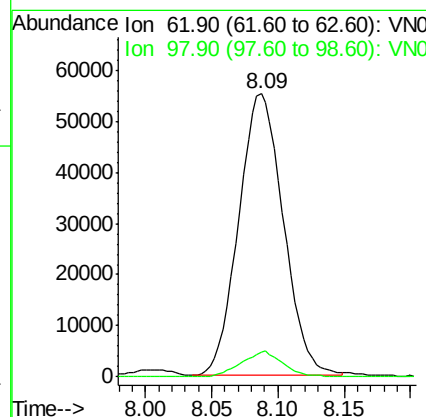
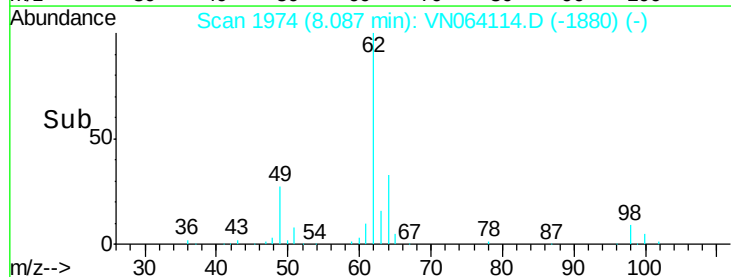
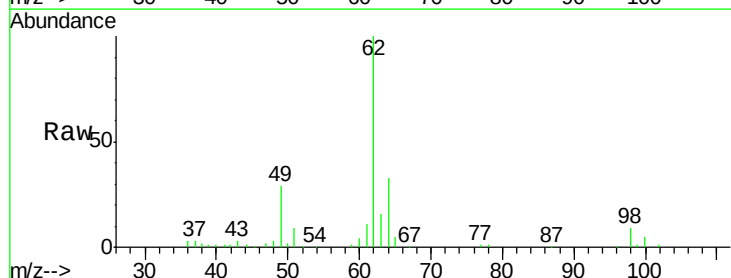
Manual Integrations
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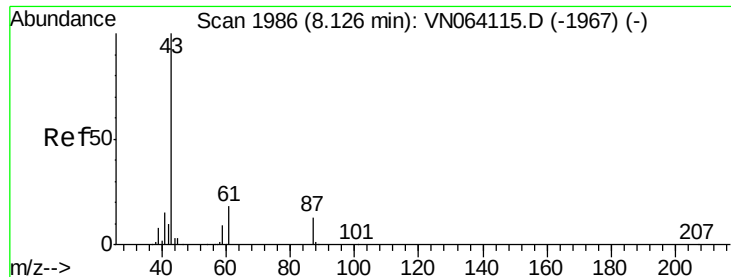
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.578 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.6





#43

Isopropyl Acetate

Concen: 18.139 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Instrument :

MSVOA_N

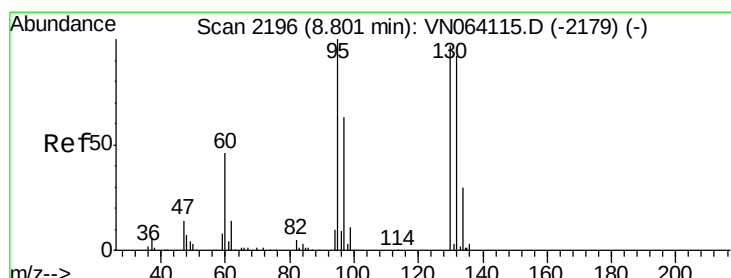
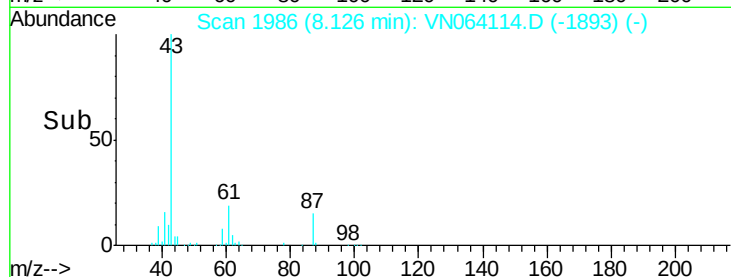
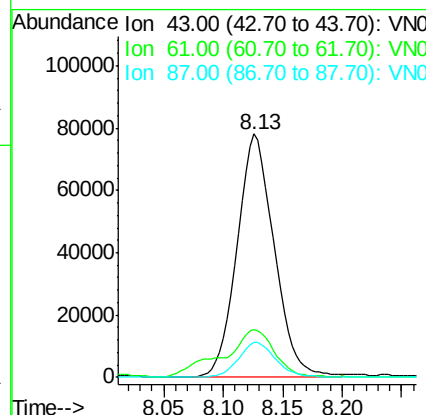
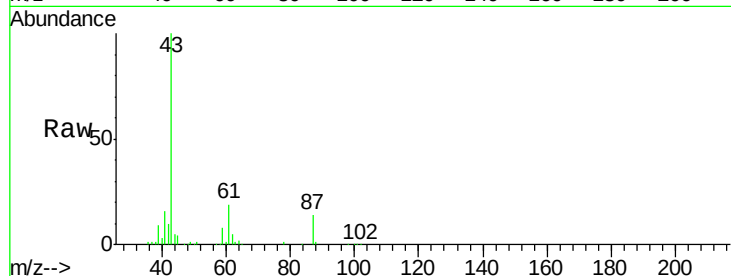
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	167836
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.9	32.9
87	14.6	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 21.563 ug/l

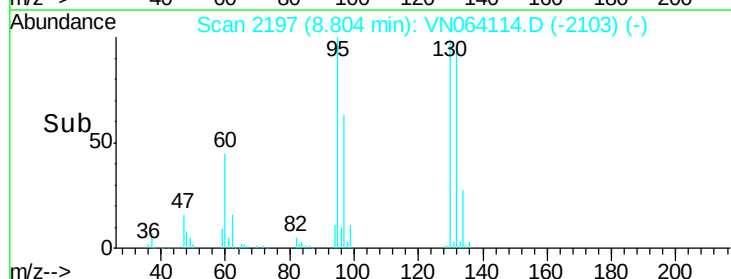
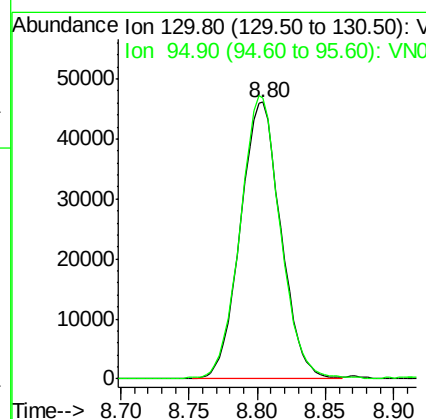
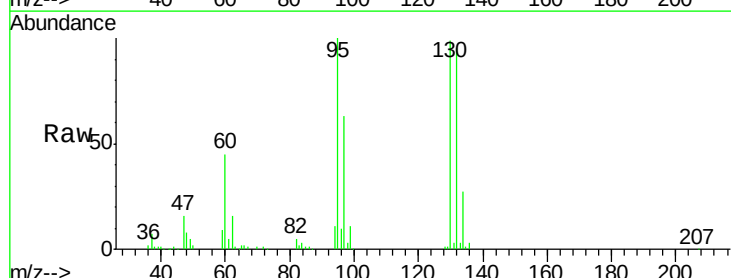
RT: 8.80 min Scan# 2197

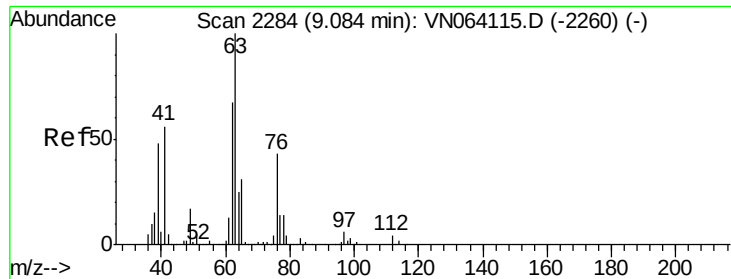
Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Tgt Ion:	130	Resp:	94775
Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	206.2





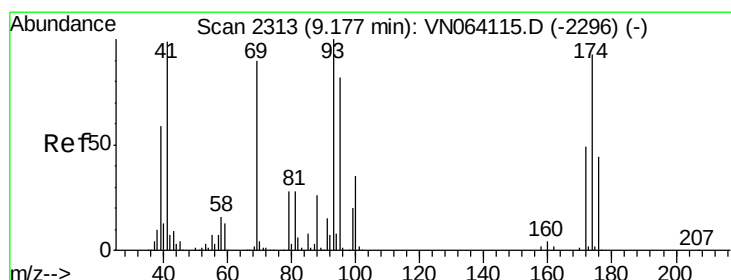
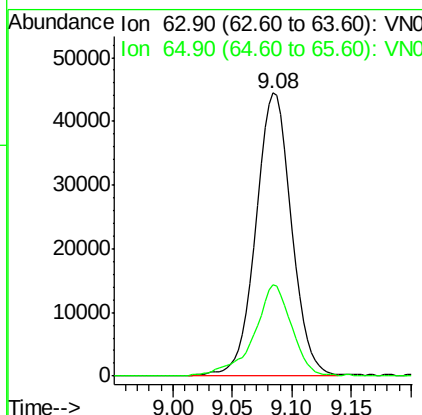
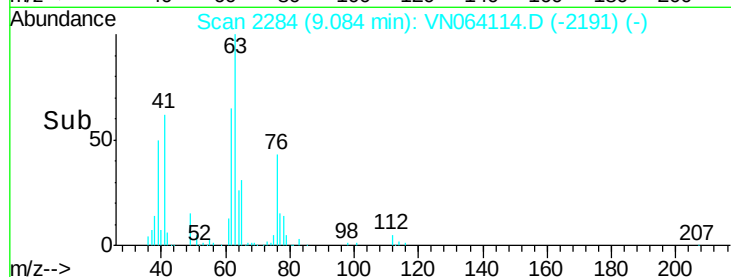
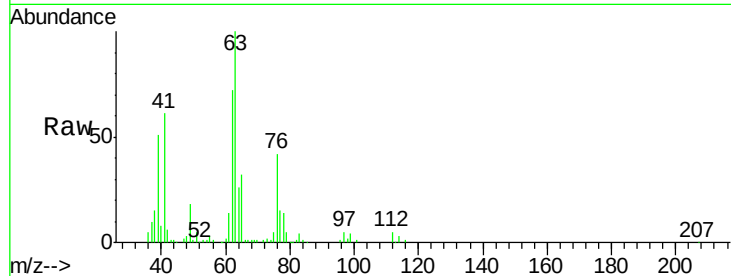
#45
 1,2-Dichloropropane
 Concen: 20.664 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 92427
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.0 37.6

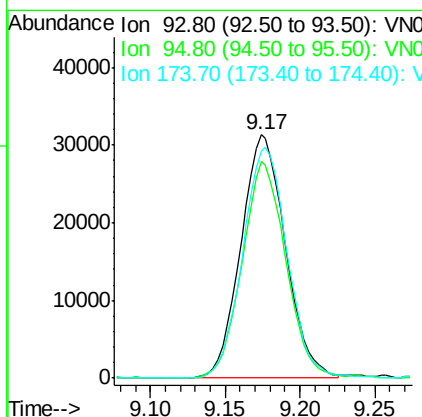
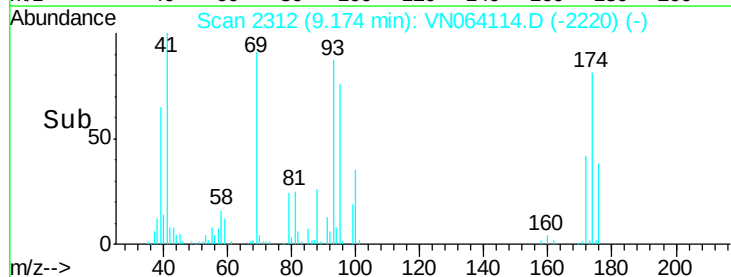
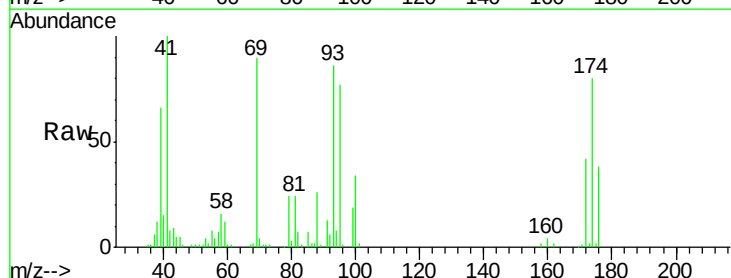
Manual Integrations
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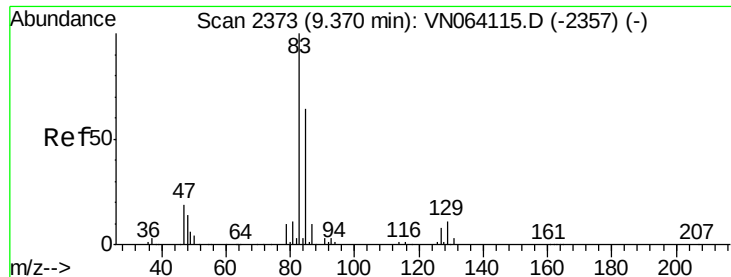
MMDadoda
 10/15/2020 12:17:22 PM



#46
 Dibromomethane
 Concen: 20.957 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Tgt Ion: 93 Resp: 65018
 Ion Ratio Lower Upper
 93 100
 95 86.8 66.8 100.2
 174 94.7 75.2 112.8





#47

Bromodichloromethane

Concen: 20.496 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Instrument :

MSVOA_N

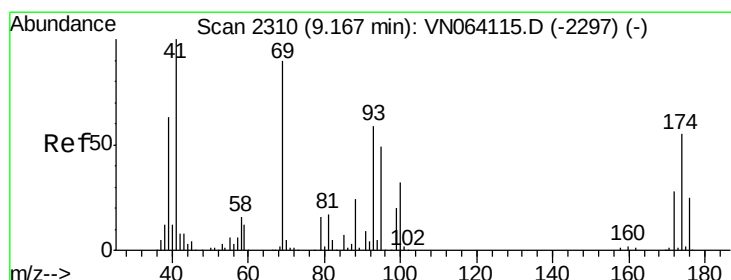
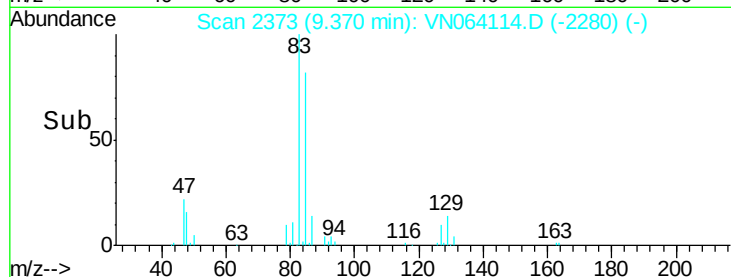
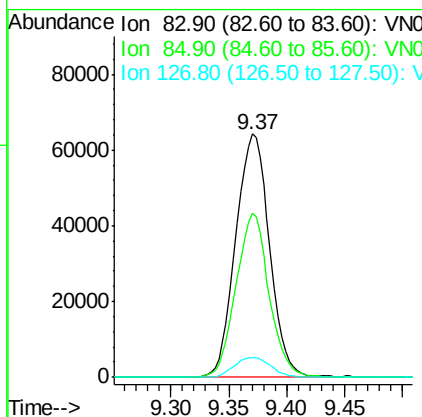
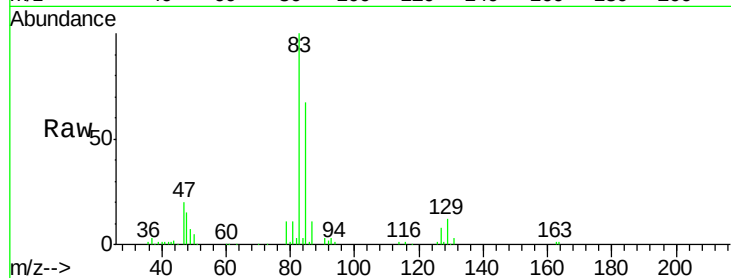
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	130131
Ion	Ratio	Lower	Upper
83	100		
85	67.3	50.8	76.2
127	7.9	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.613 ug/l

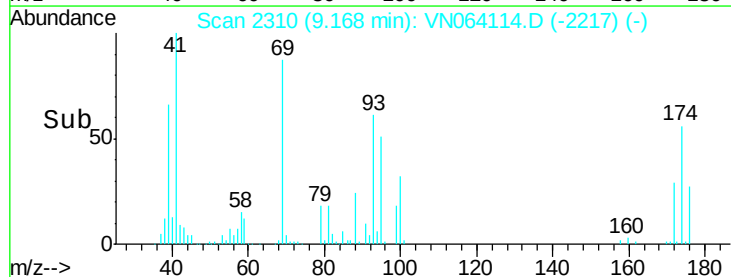
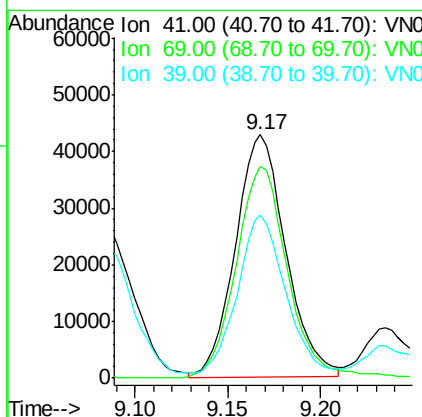
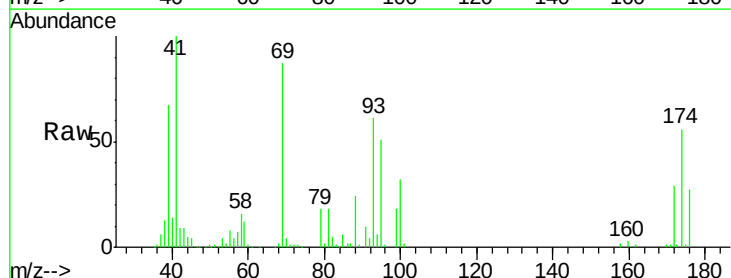
RT: 9.17 min Scan# 2310

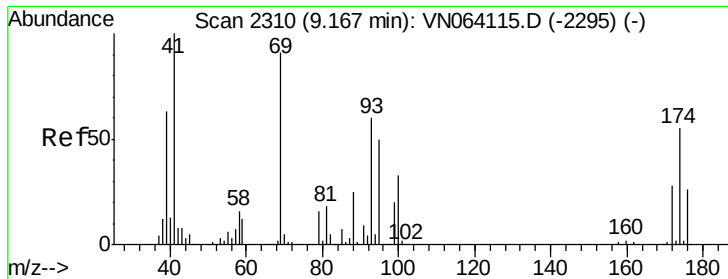
Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Tgt Ion:	41	Resp:	80630
Ion	Ratio	Lower	Upper
41	100		
69	90.0	71.4	107.2
39	64.0	52.5	78.7





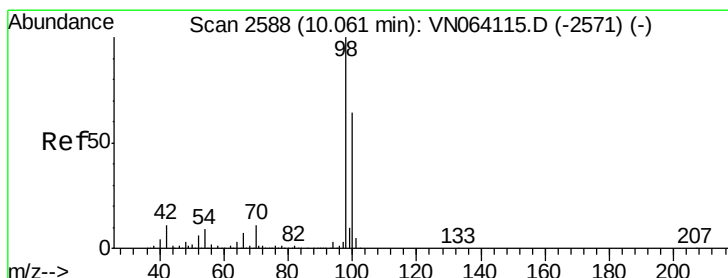
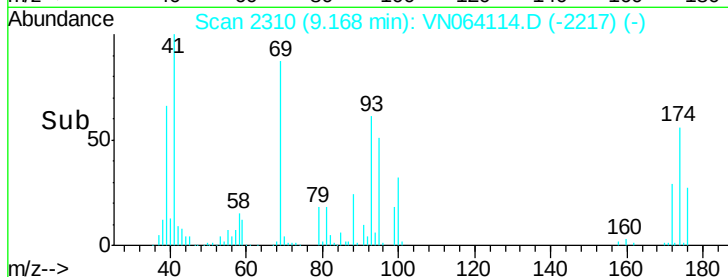
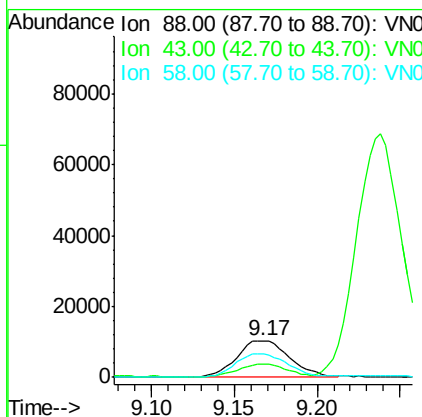
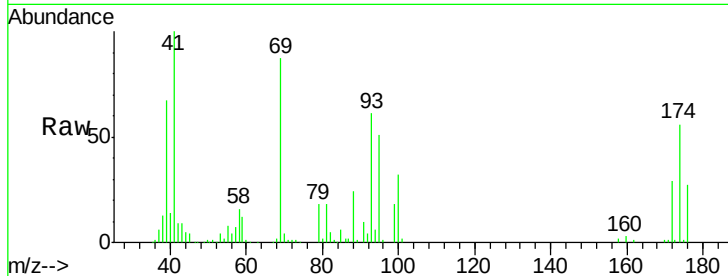
#49
1,4-Dioxane
Concen: 355.975 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	27.2	40.8
58	63.0	52.6	78.8

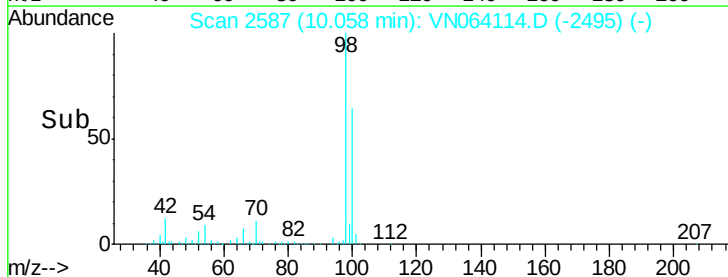
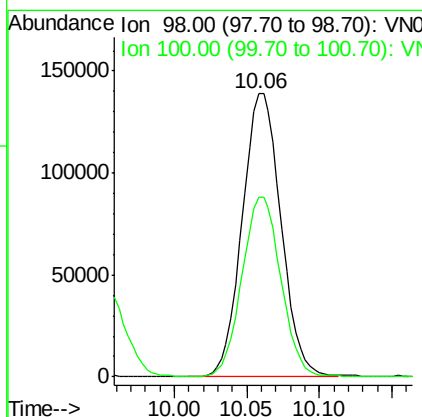
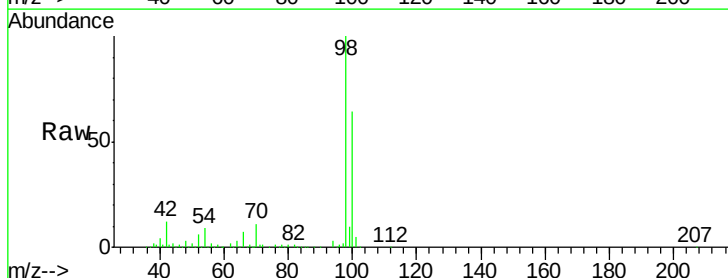
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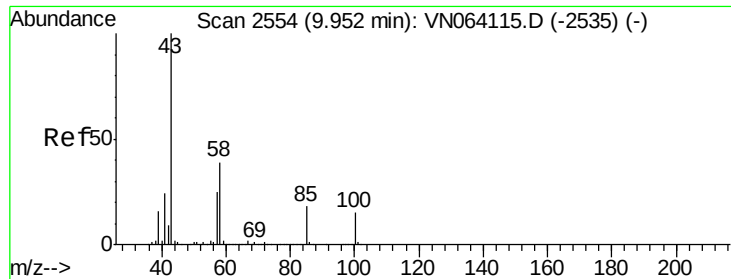
MMDadoda
10/15/2020 12:17:22 PM



#50
Toluene-d8
Concen: 17.189 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 96.155 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 523987

Ion Ratio Lower Upper

43 100

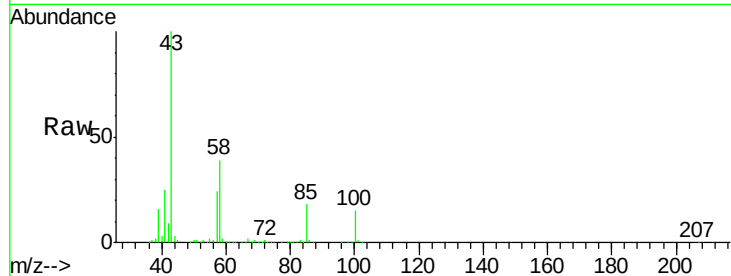
58 38.7 31.2 46.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN064114.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN064114.D (-2535) (-)

9.95

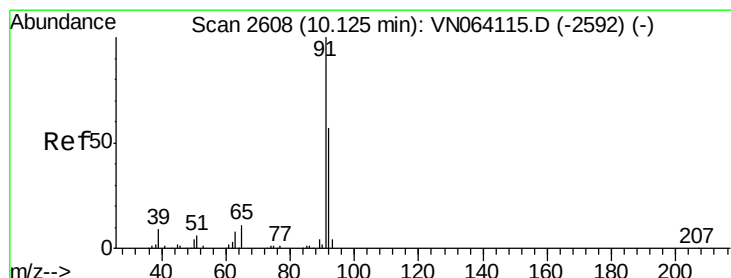
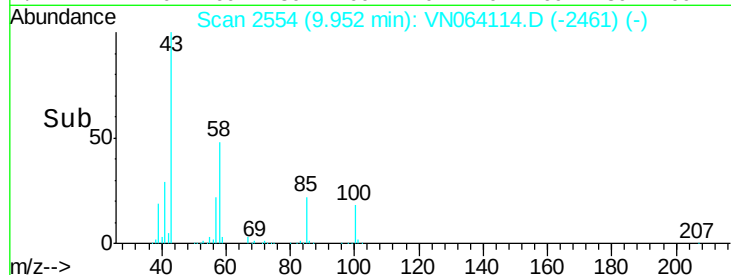
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.189 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064114.D

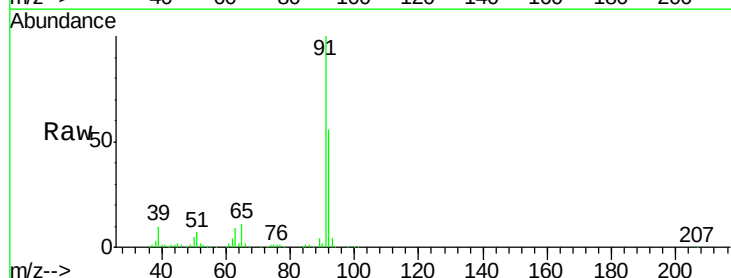
Acq: 14 Oct 2020 15:06

Tgt Ion: 92 Resp: 219160

Ion Ratio Lower Upper

92 100

91 178.6 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN064114.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064114.D (-2592) (-)

10.13

250000

200000

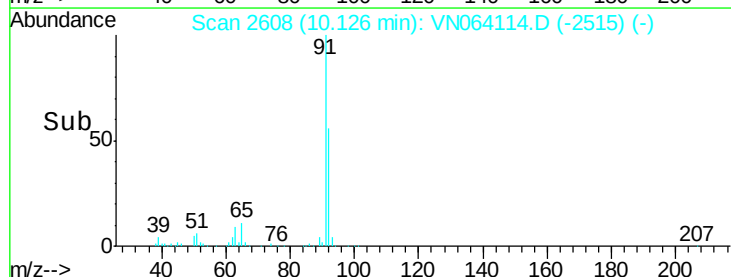
150000

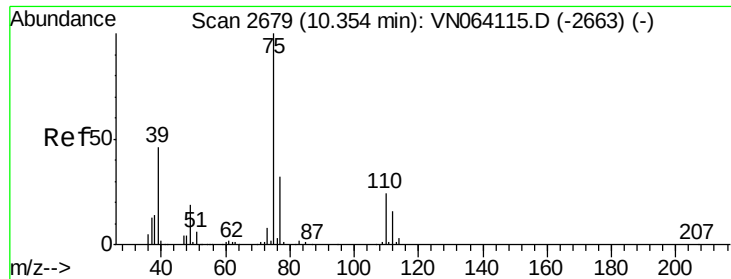
100000

50000

0

Time-->





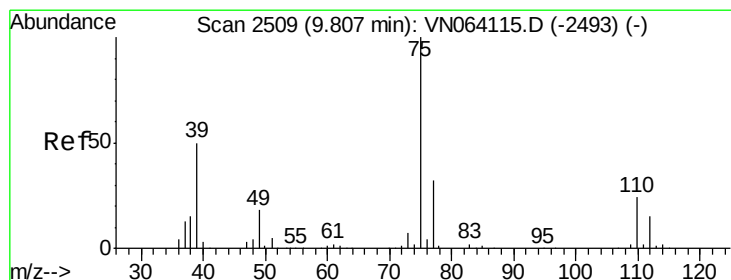
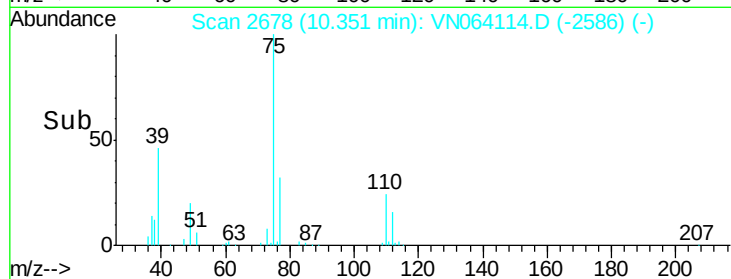
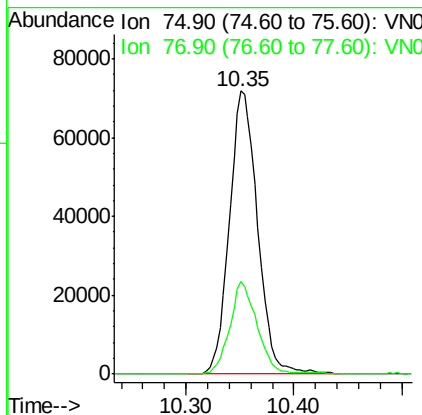
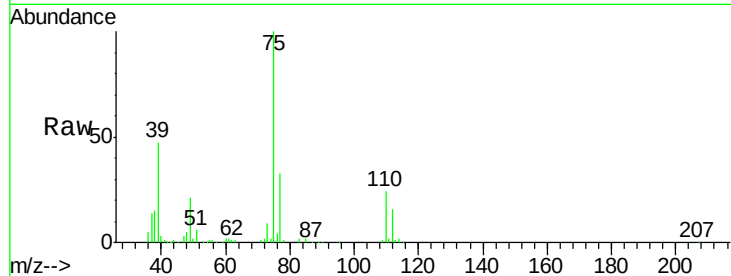
#53
 t-1,3-Dichloropropene
 Concen: 19.352 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.6	38.4

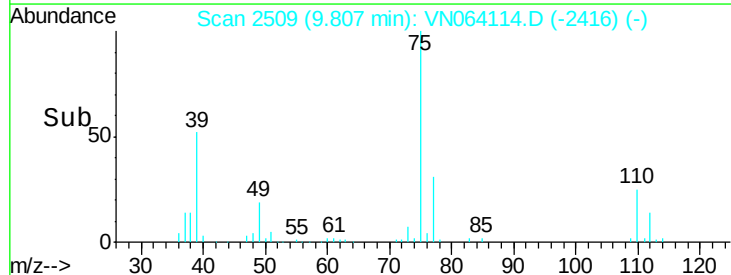
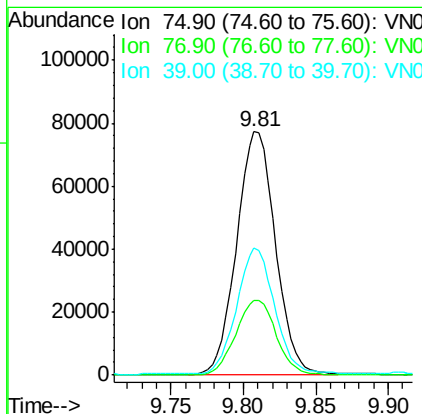
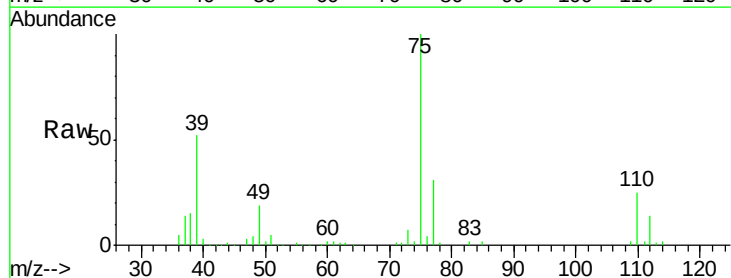
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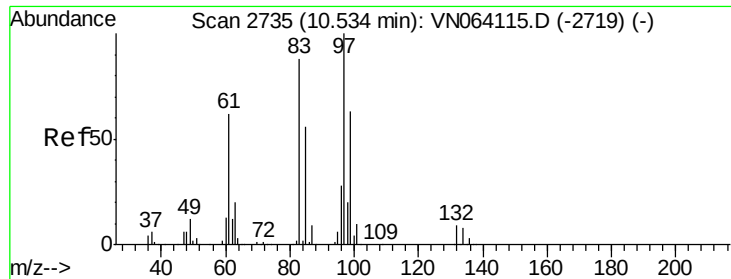
MMDadoda
 10/15/2020 12:17:22 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.360 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.2	37.8
39	51.3	39.8	59.8





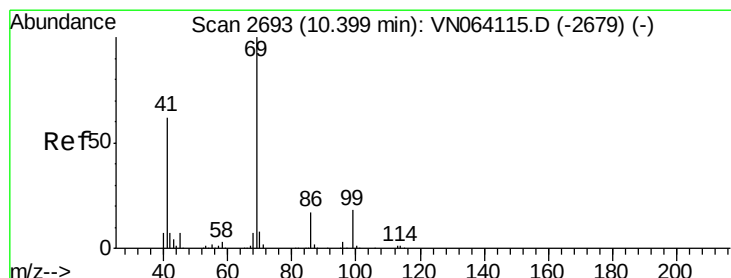
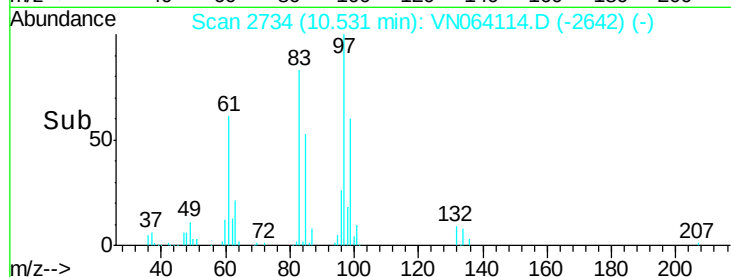
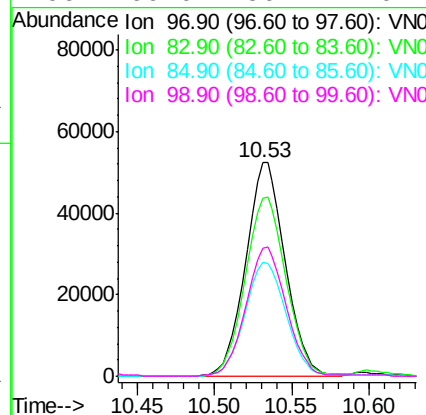
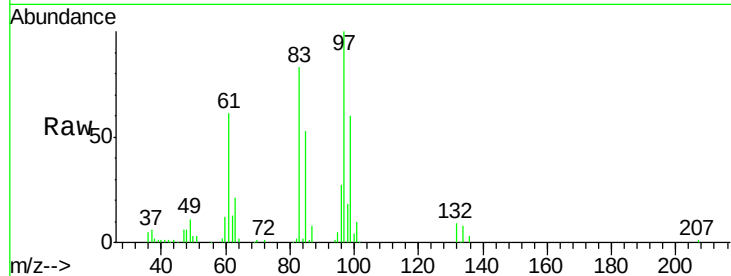
#55
 1,1,2-Trichloroethane
 Concen: 22.503 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	93116
Ion	Ratio	Lower	Upper
97	100		
83	83.5	70.2	105.4
85	53.1	45.0	67.6
99	60.0	50.7	76.1

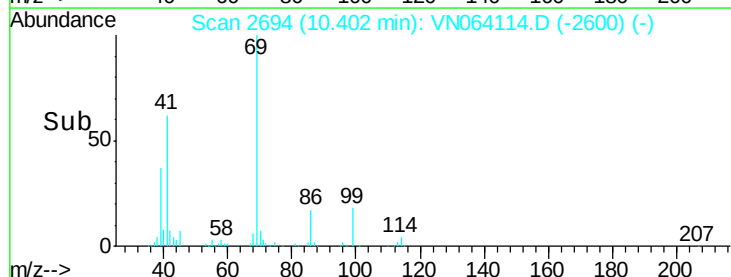
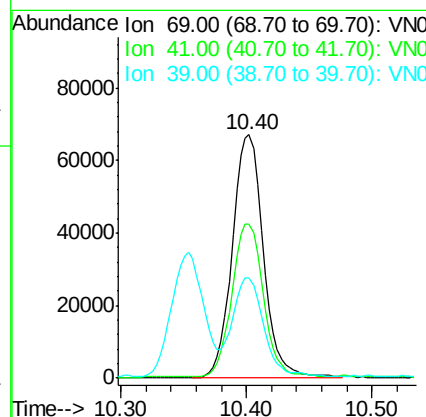
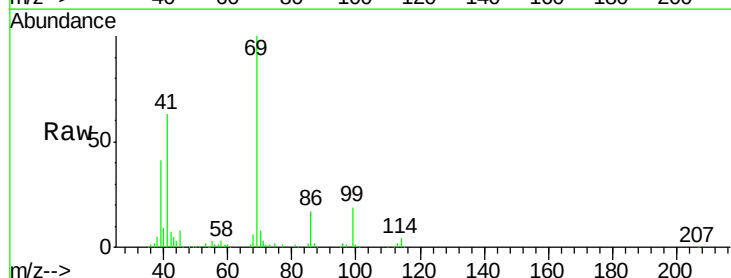
Manual Integrations
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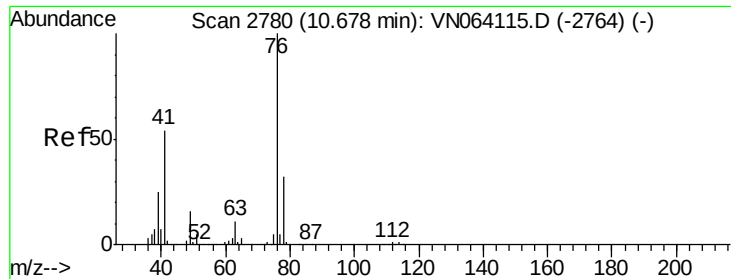
MMDadoda
 10/15/2020 12:17:22 PM



#56
 Ethyl methacrylate
 Concen: 19.981 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Tgt Ion:	69	Resp:	115808
Ion	Ratio	Lower	Upper
69	100		
41	63.4	49.3	73.9
39	40.2	32.7	49.1





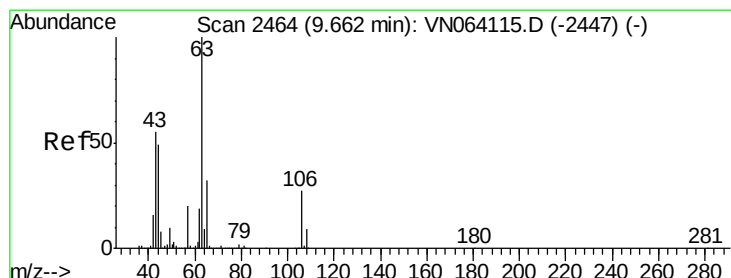
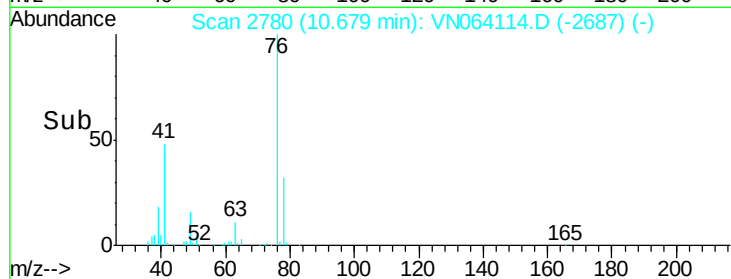
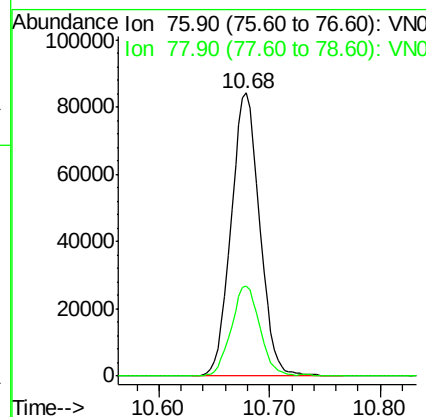
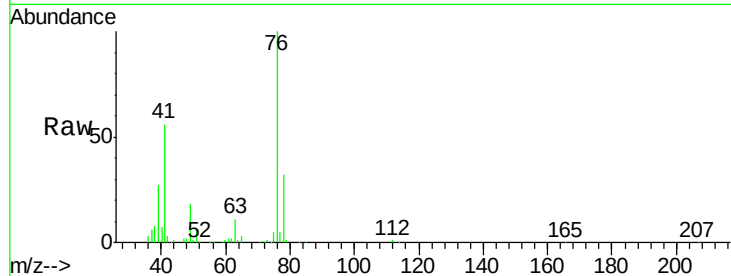
#57
 1,3-Dichloropropane
 Concen: 21.779 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.1	39.1

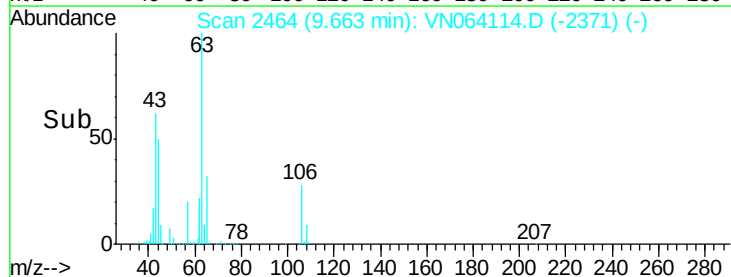
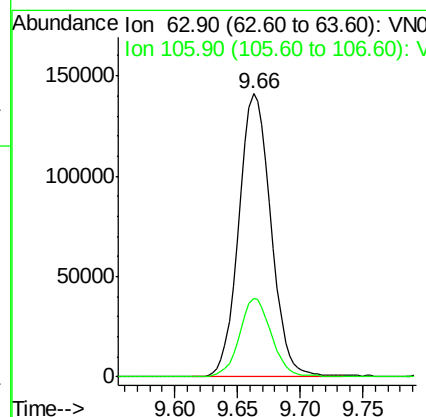
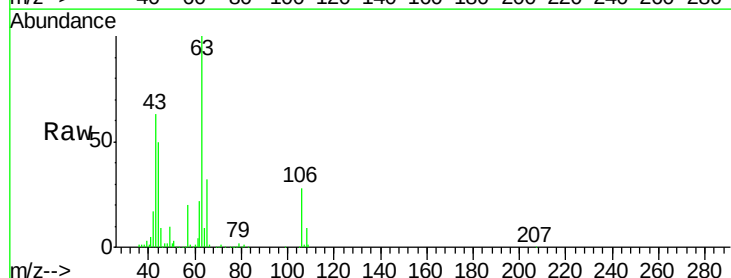
Manual Integrations
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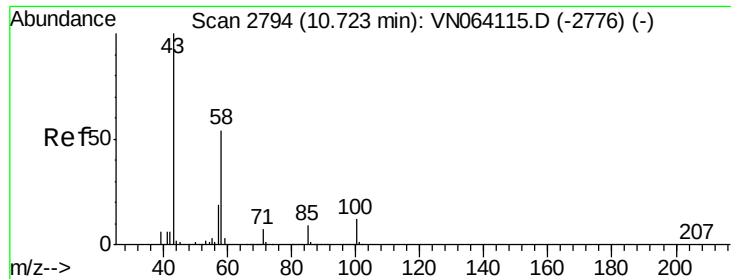
MMDadoda
 10/15/2020 12:17:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 81.795 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.8	32.6





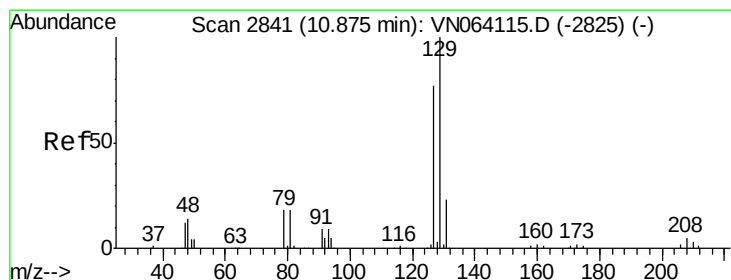
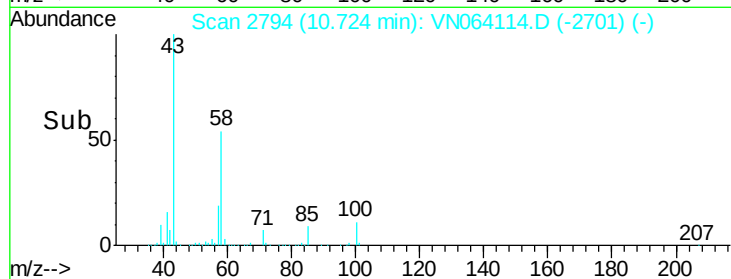
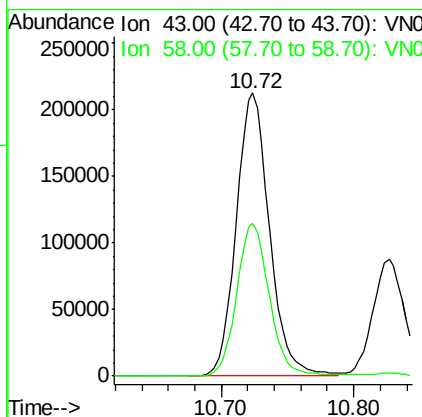
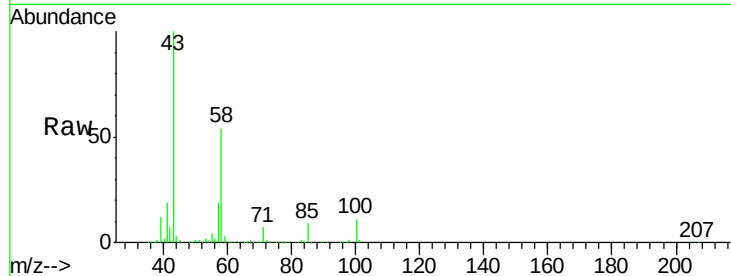
#59
2-Hexanone
Concen: 91.281 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	27.2	81.6

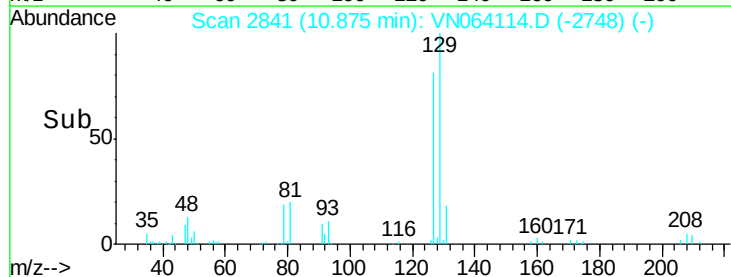
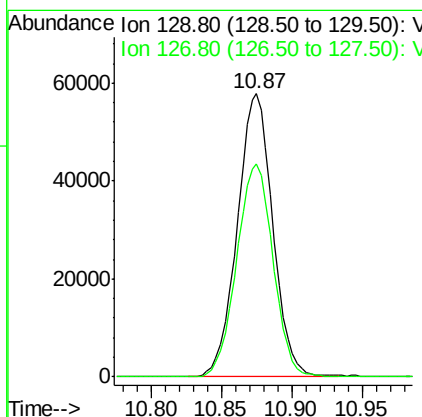
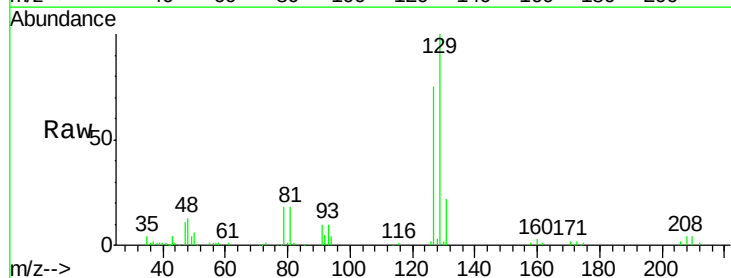
Manual Integrations
APPROVED

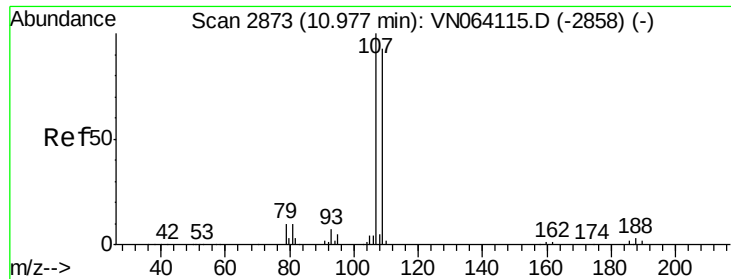
MMDadoda
10/15/2020 12:17:22 PM



#60
Dibromochloromethane
Concen: 21.079 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.2	114.6





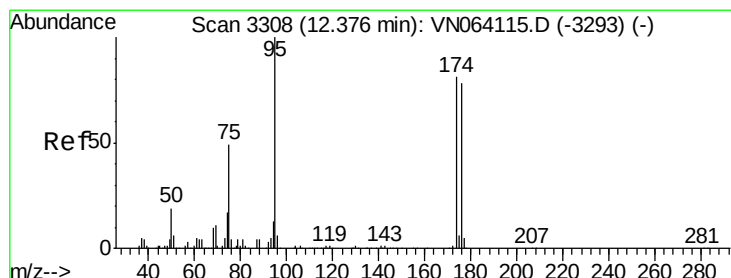
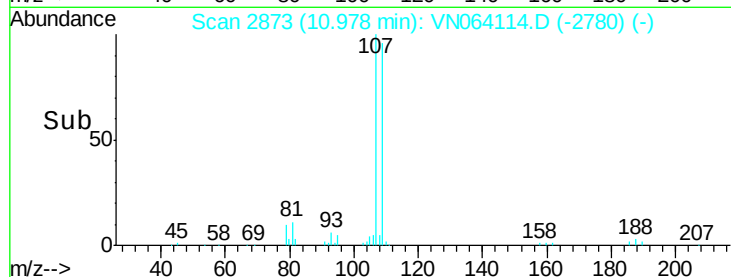
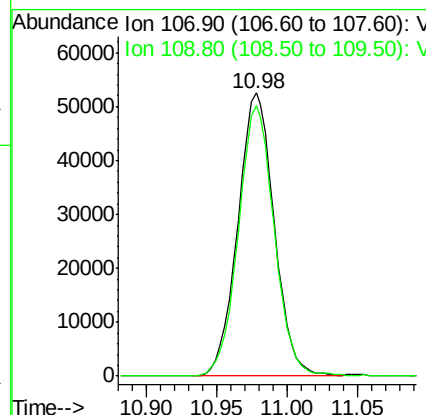
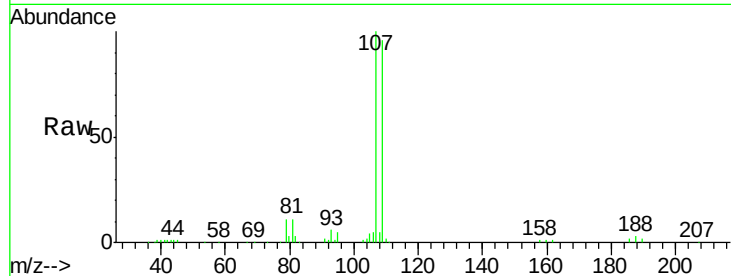
#61
 1,2-Dibromoethane
 Concen: 22.352 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.2	112.8

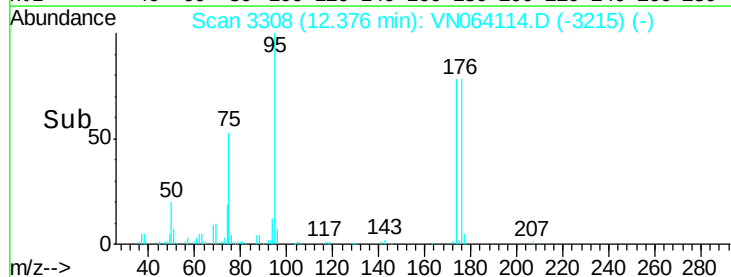
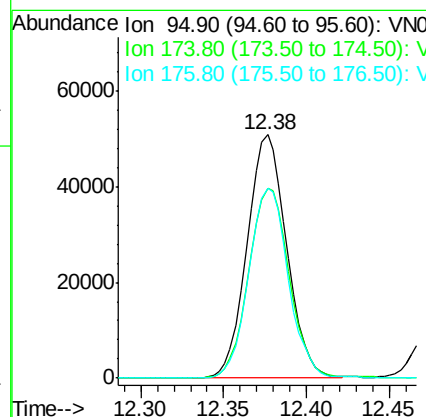
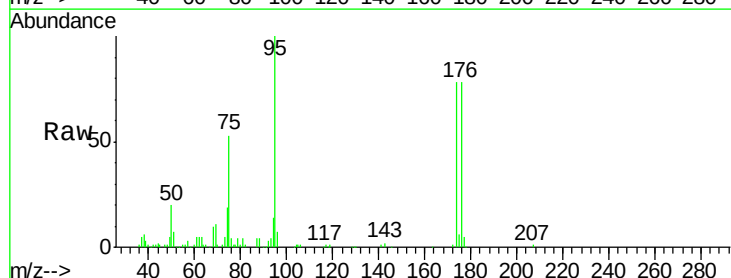
Manual Integrations
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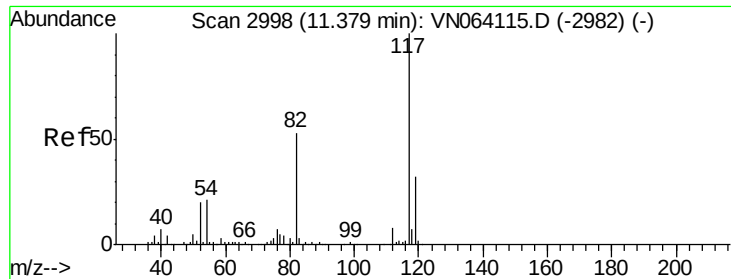
MMDadoda
 10/15/2020 12:17:22 PM



#62
 4-Bromofluorobenzene
 Concen: 15.227 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	164.8
176	78.1	0.0	157.8





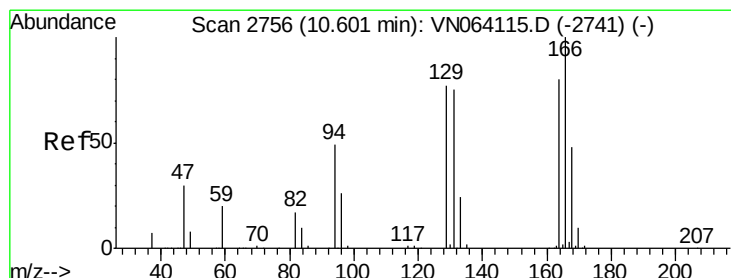
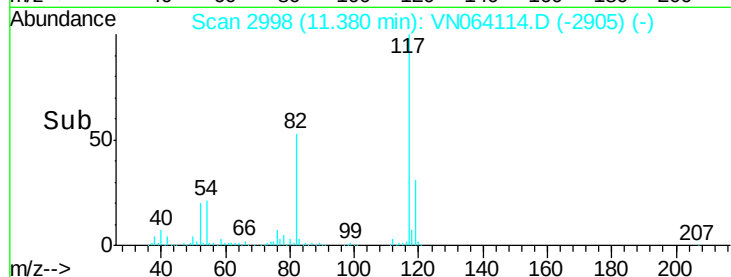
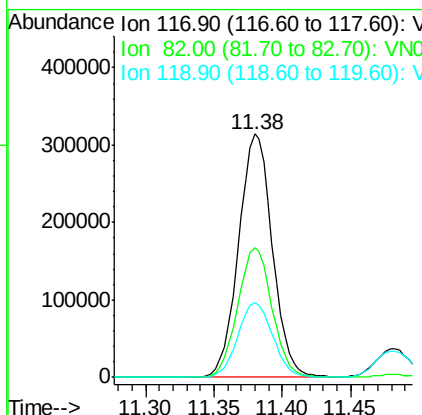
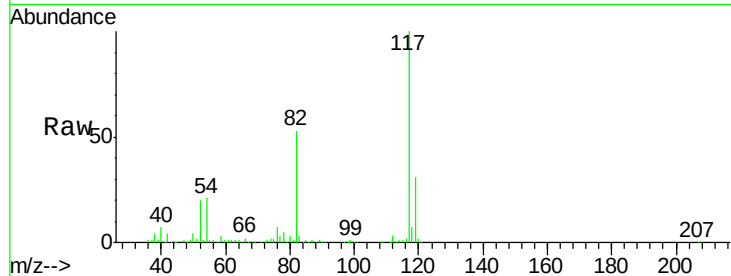
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	540499		
82	53.4		42.6	63.8
119	30.8		25.5	38.3

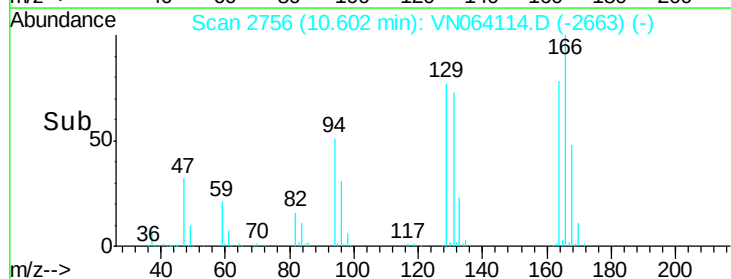
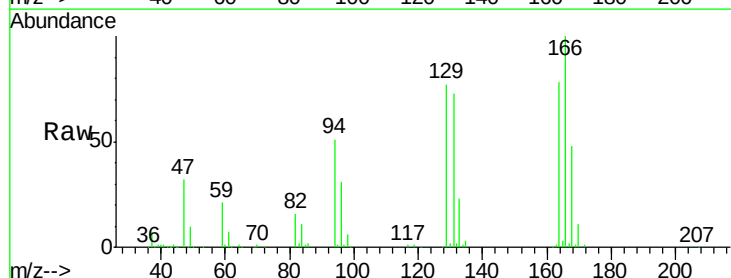
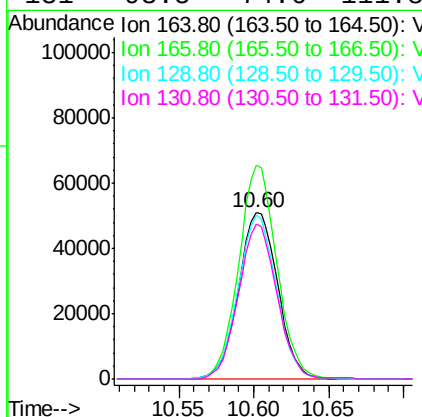
Manual Integrations
APPROVED

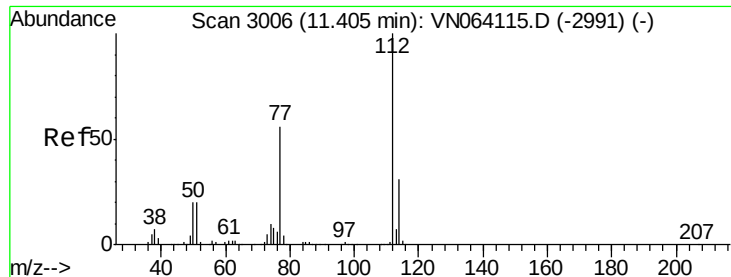
MMDadoda
10/15/2020 12:17:22 PM



#64
Tetrachloroethene
Concen: 21.940 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	92846		
166	128.5		99.7	149.5
129	98.4		77.0	115.4
131	93.5		74.6	111.8





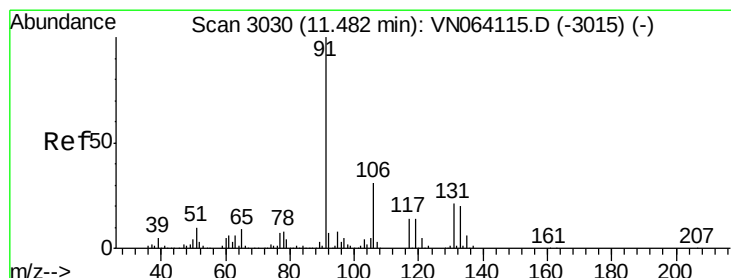
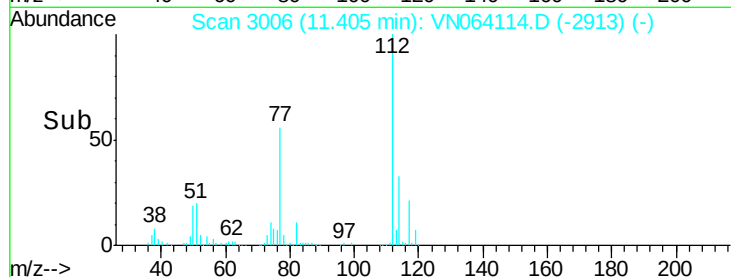
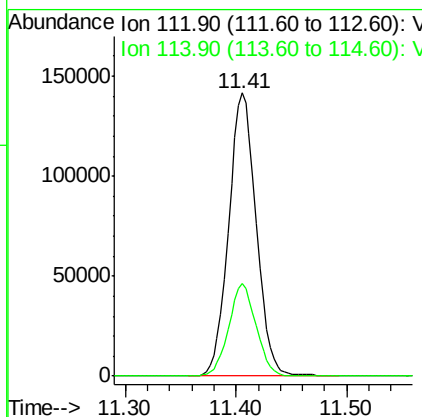
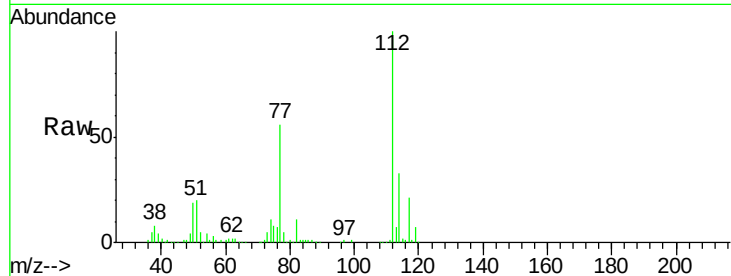
#65
Chlorobenzene
Concen: 21.890 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 245544
Ion Ratio Lower Upper
112 100
114 32.5 24.6 37.0

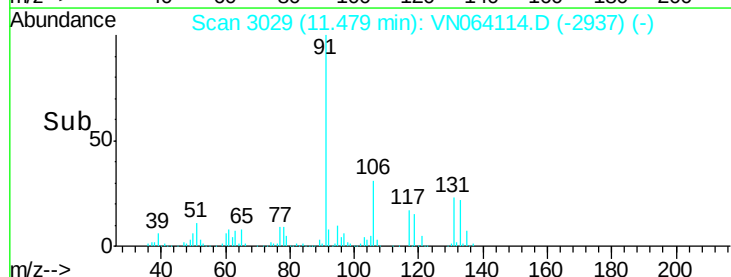
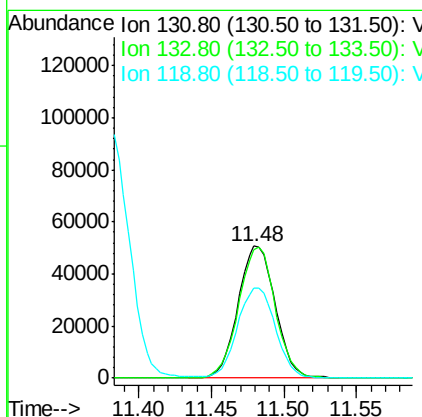
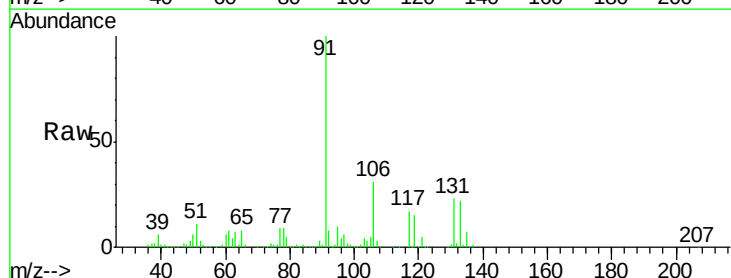
Manual Integrations
APPROVED

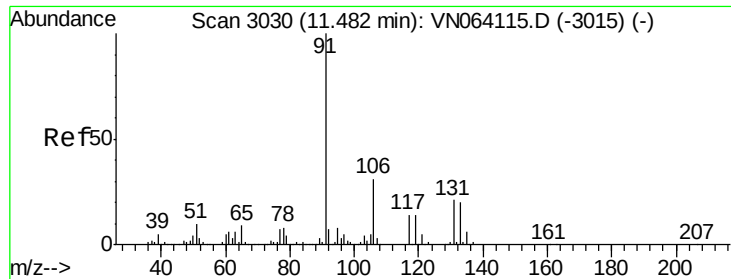
MMDadoda
10/15/2020 12:17:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.158 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion:131 Resp: 90617
Ion Ratio Lower Upper
131 100
133 97.7 47.3 141.9
119 69.7 32.8 98.4





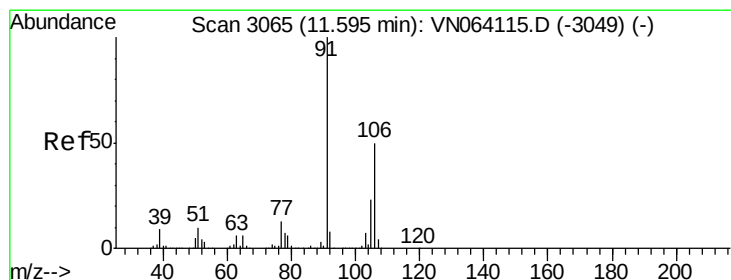
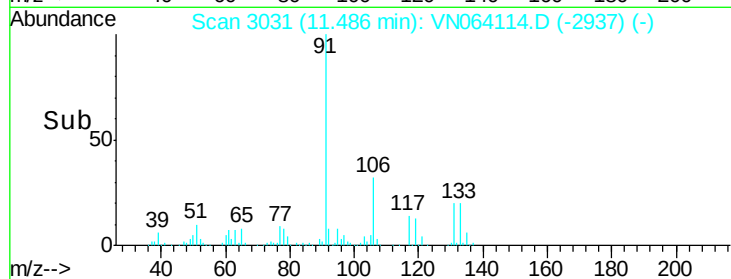
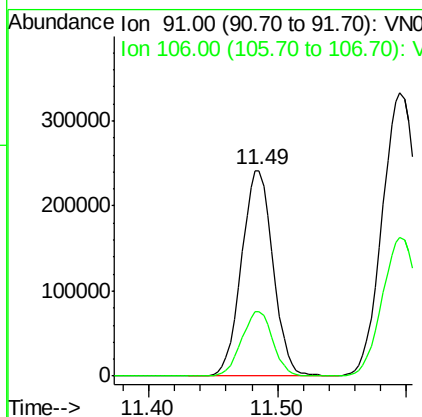
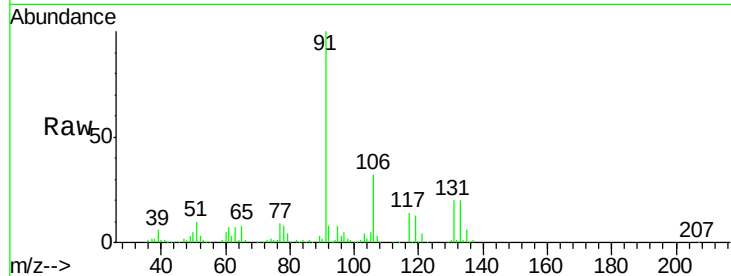
#67
Ethyl Benzene
Concen: 20.446 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 411885
Ion Ratio Lower Upper
91 100
106 31.7 24.7 37.1

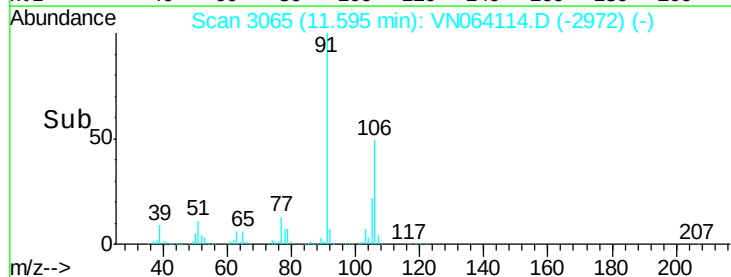
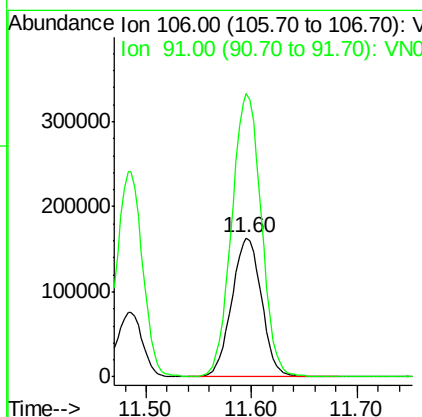
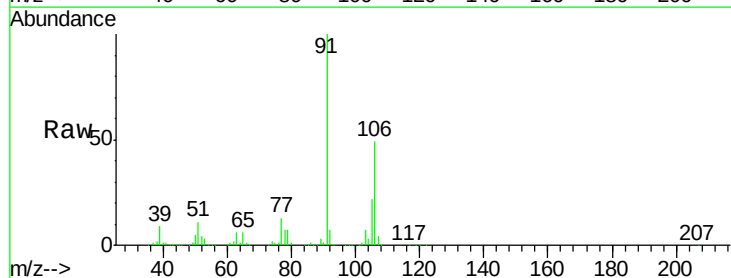
Manual Integrations
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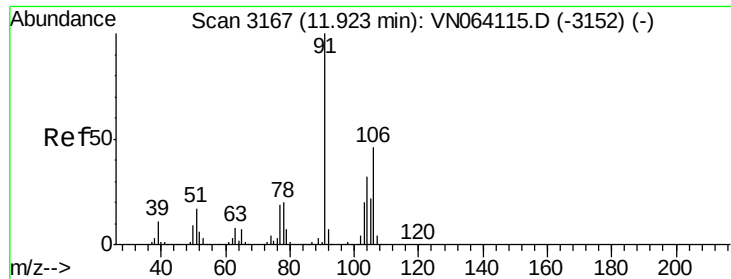
MMDadoda
10/15/2020 12:17:22 PM



#68
m/p-Xylenes
Concen: 41.964 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion: 106 Resp: 317018
Ion Ratio Lower Upper
106 100
91 202.8 162.1 243.1





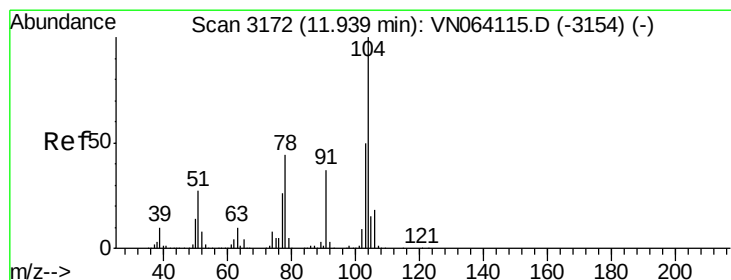
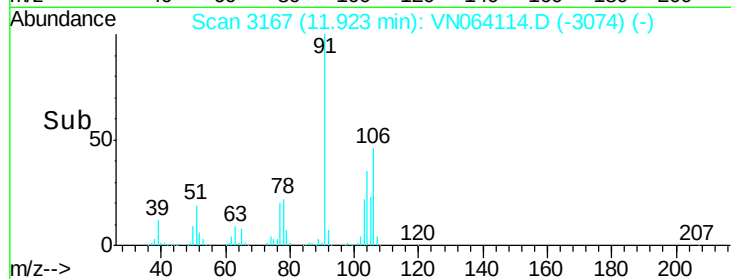
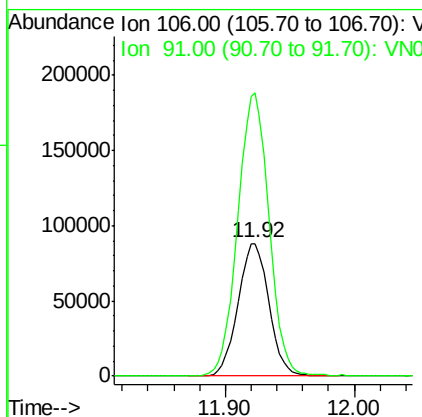
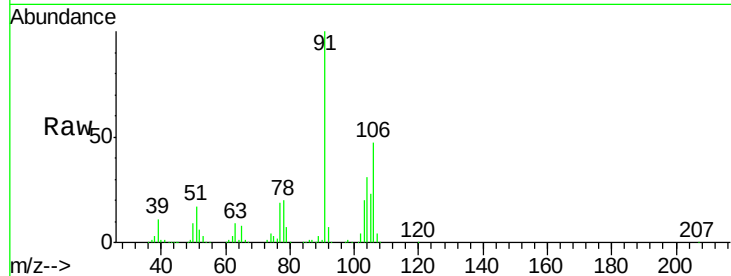
#69
o-Xylene
Concen: 20.841 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	147199		
91	91	216.1	107.6	322.8	

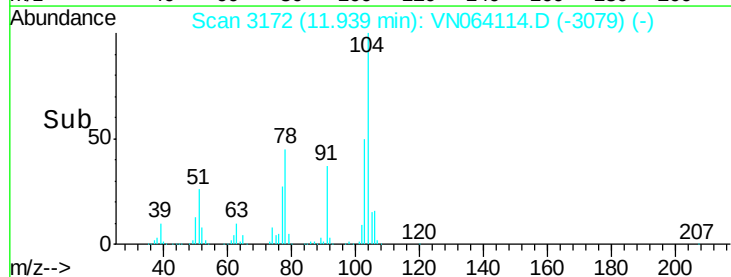
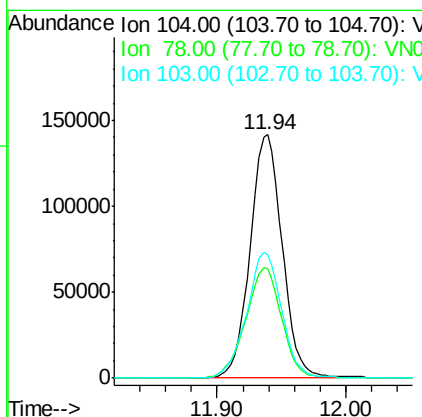
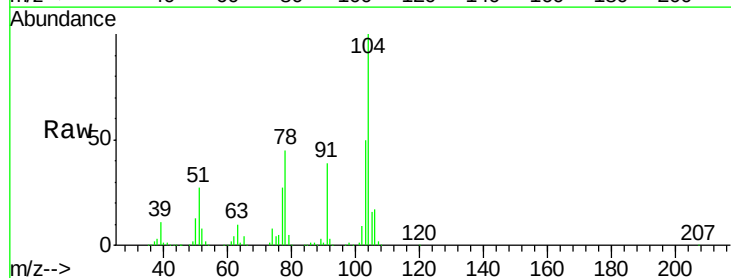
Manual Integrations
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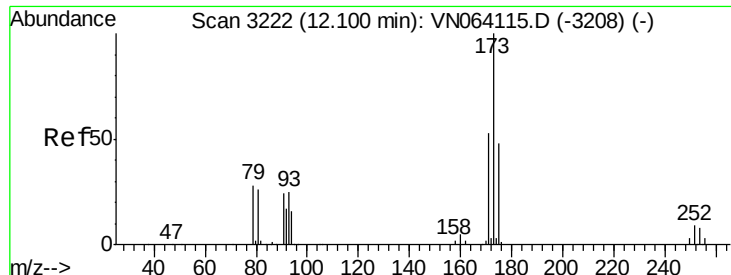
MMDadoda
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#70
Styrene
Concen: 20.637 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	246782		
78	78	50.8	39.7	59.5	
103	103	56.4	44.2	66.2	





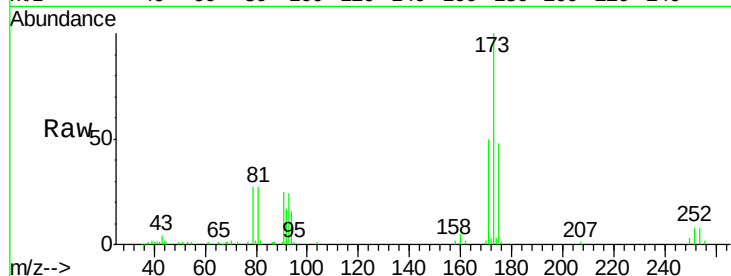
#71
Bromoform
Concen: 20.701 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.4	70.2
254	0.0	0.1	0.1#

Manual Integrations
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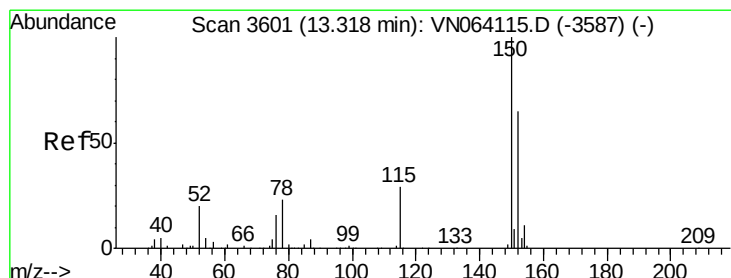
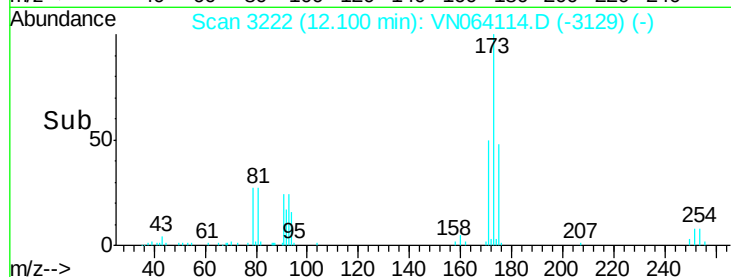
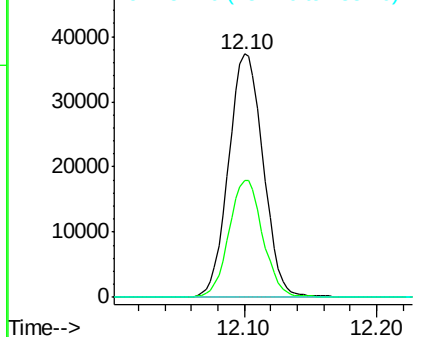


Abundance

Ion 172.70 (172.40 to 173.40): V

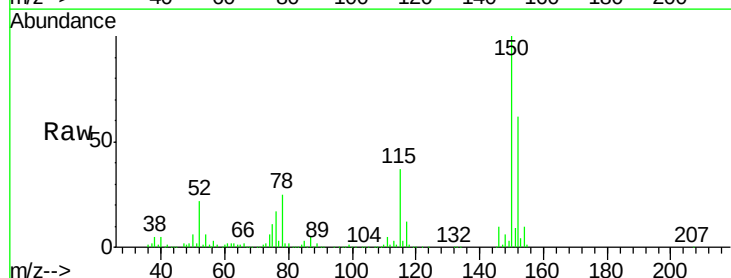
Ion 174.70 (174.40 to 175.40): V

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: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.3	87.8
150	164.9	0.0	346.0

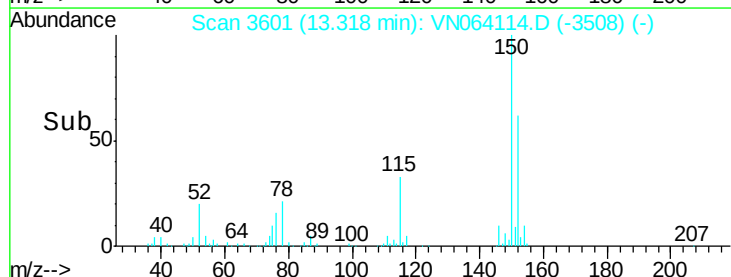
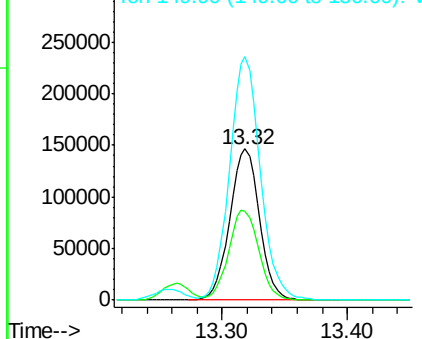


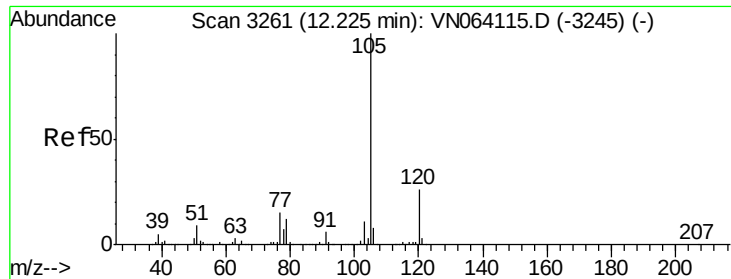
Abundance

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





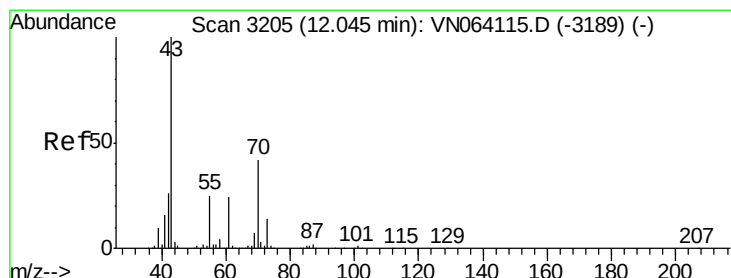
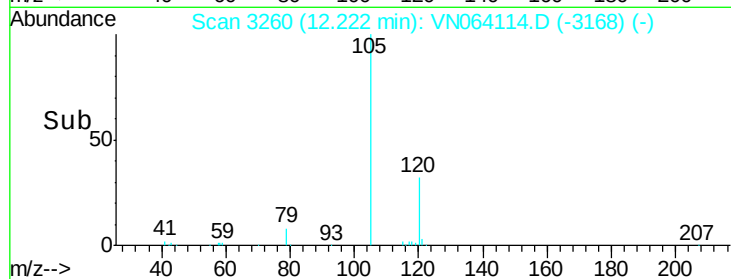
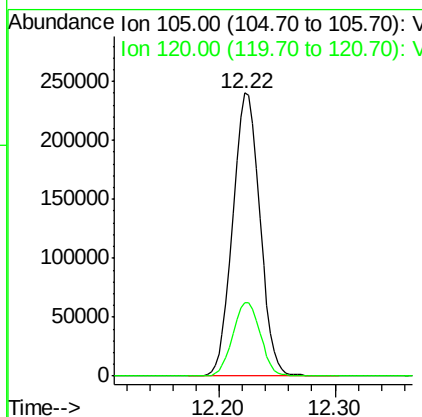
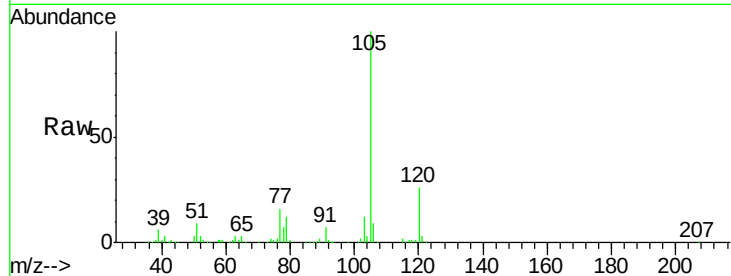
#73
Isopropylbenzene
Concen: 22.031 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.5

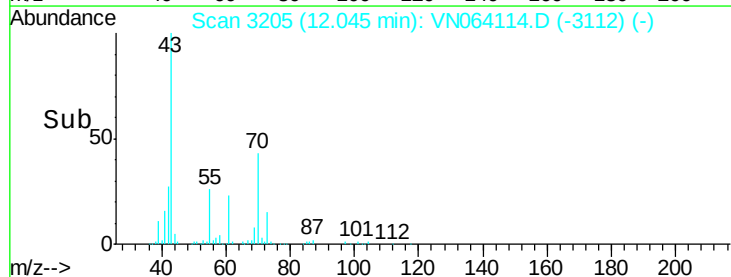
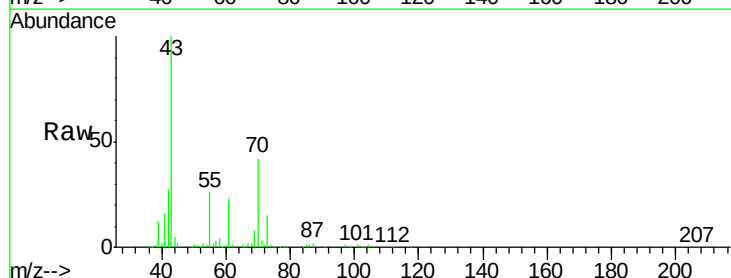
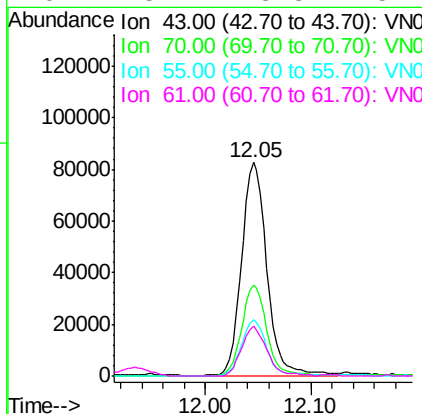
Manual Integrations
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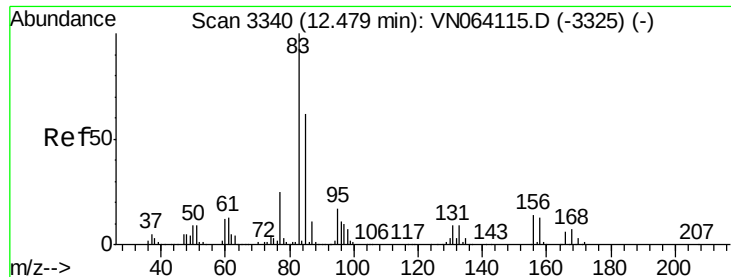
MMDadoda
10/15/2020 12:17:22 PM



#74
N-ethyl acetate
Concen: 19.356 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.2	33.2	49.8
55	26.4	19.9	29.9
61	23.4	18.8	28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 23.138 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 125726

Ion Ratio Lower Upper

83 100

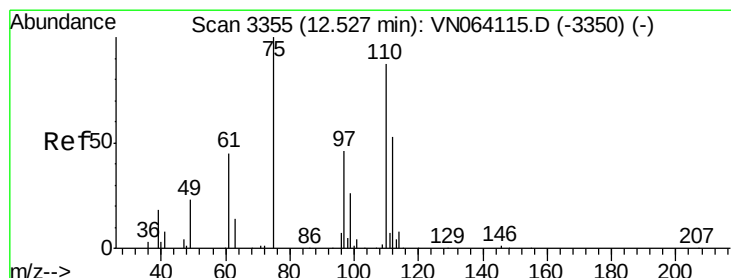
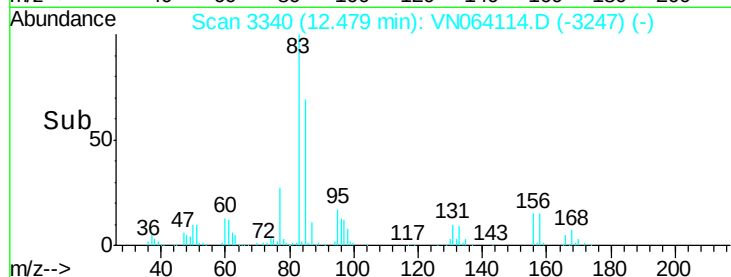
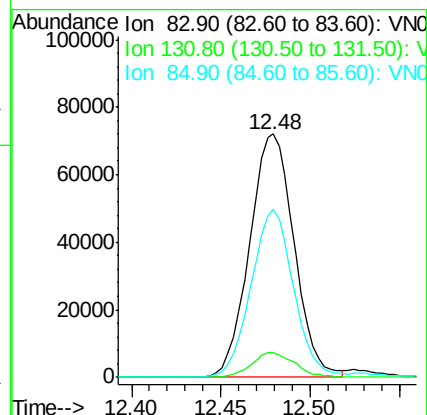
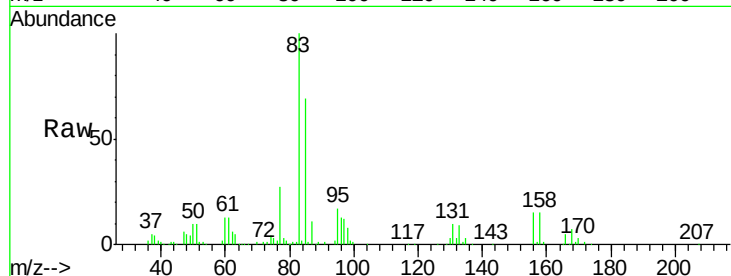
131 9.9 5.0 15.0

85 65.8 31.9 95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.332 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064114.D

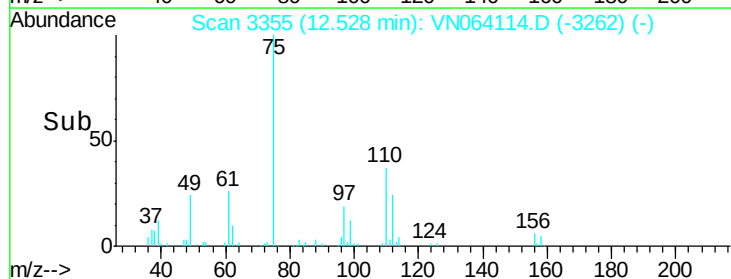
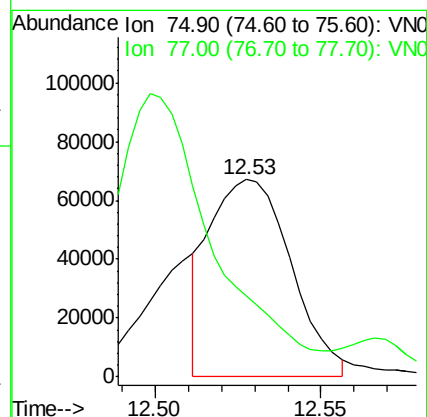
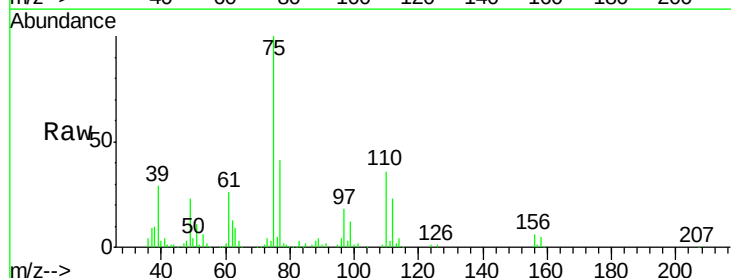
Acq: 14 Oct 2020 15:06

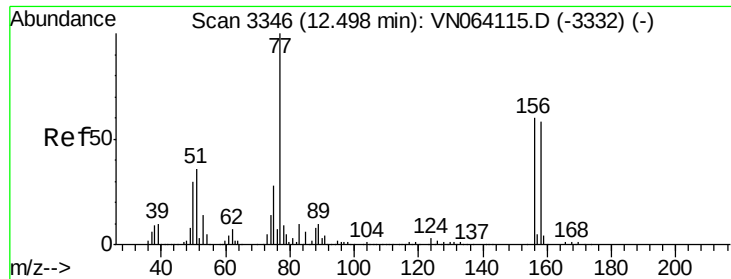
Tgt Ion: 75 Resp: 113638

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





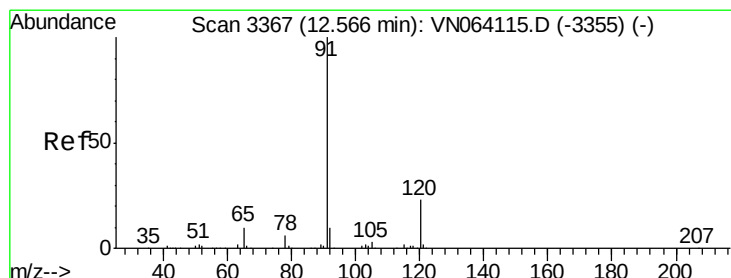
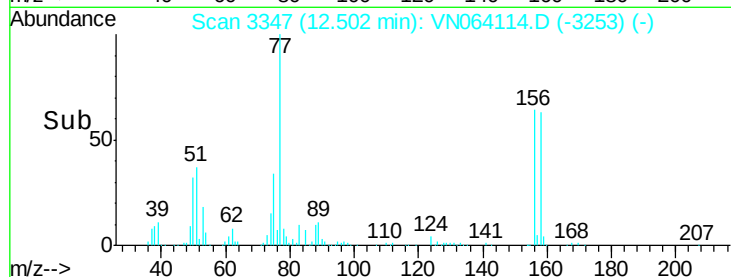
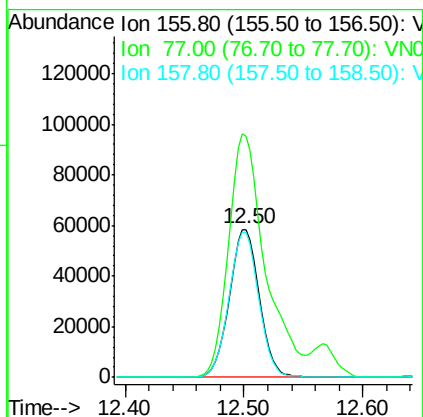
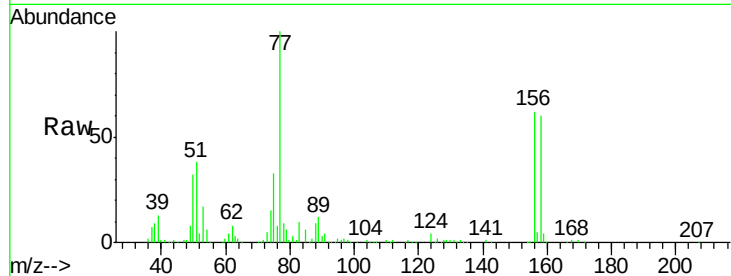
#77
Bromobenzene
Concen: 23.180 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	201.8	99.3	297.9
158	97.6	48.6	145.9

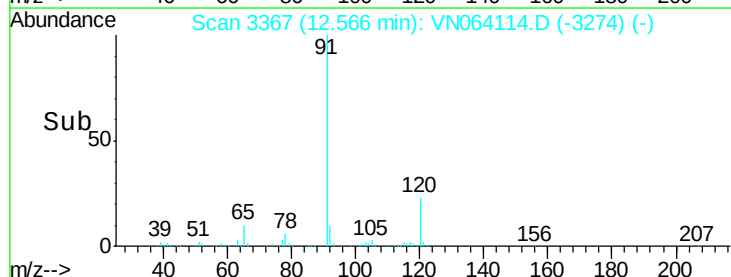
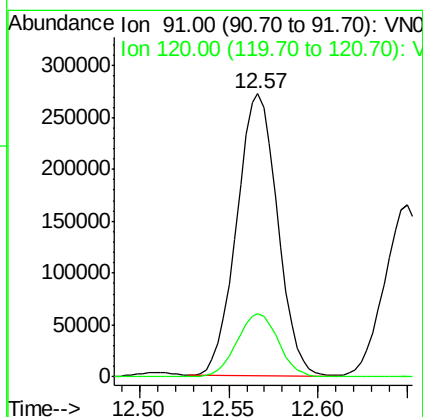
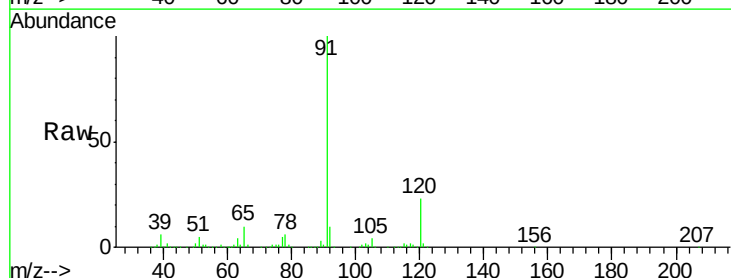
Manual Integrations
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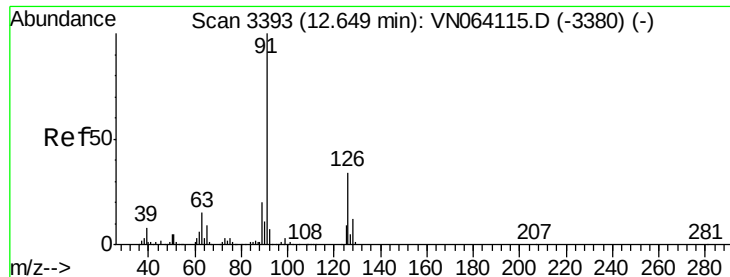
MMDadoda
10/15/2020 12:17:22 PM



#78
n-propylbenzene
Concen: 21.107 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5





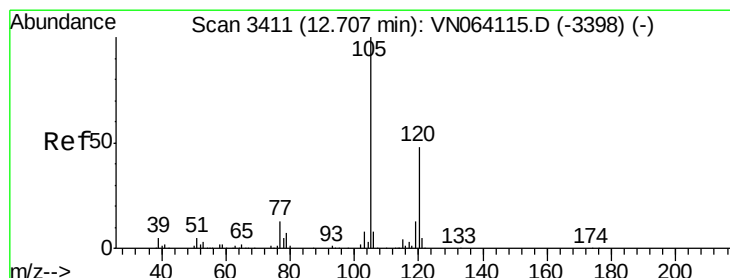
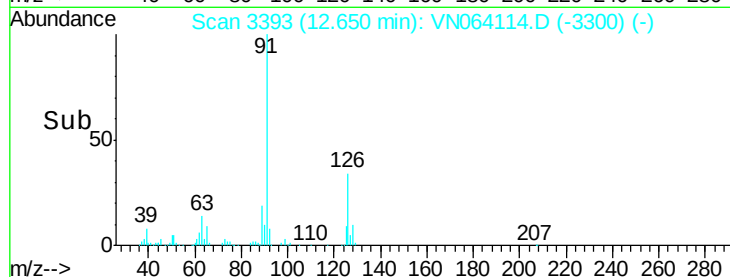
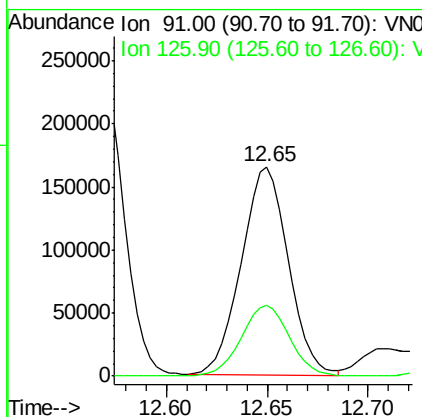
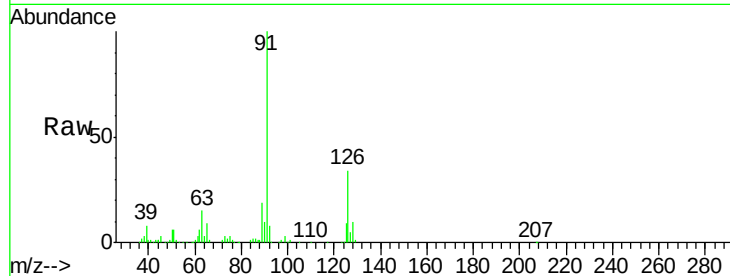
#79
 2-Chlorotoluene
 Concen: 21.296 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	35.0	17.5	52.5	

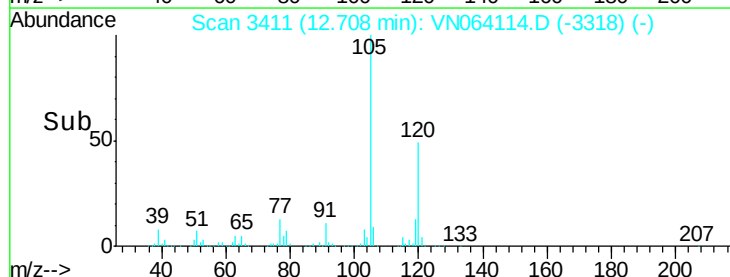
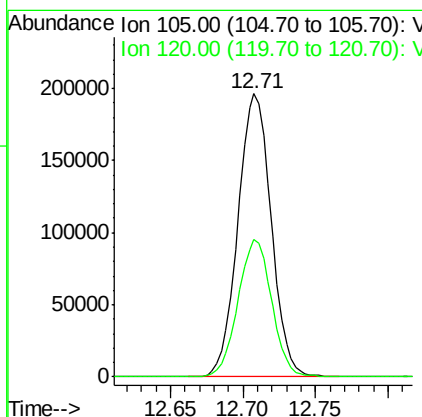
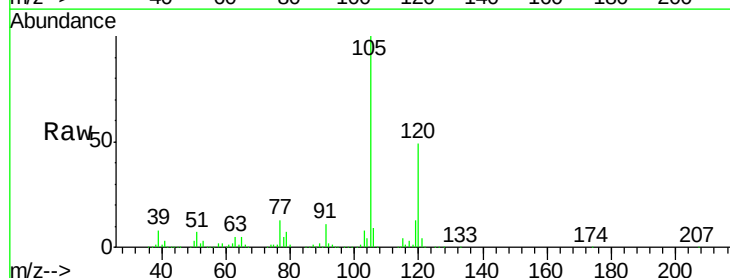
Manual Integrations
 APPROVED

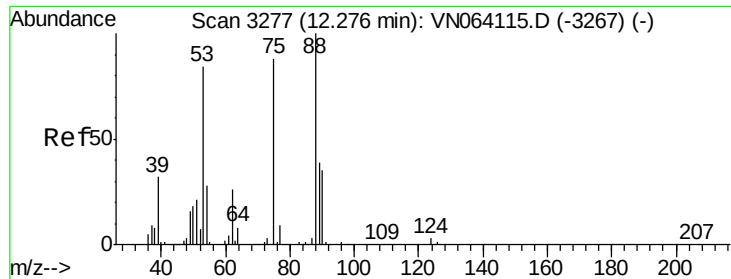
MMDadoda
 10/15/2020 12:17:22 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.103 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	49.4	24.0	72.0	





#81

trans-1,4-Dichloro-2-butene

Concen: 20.399 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Instrument :

MSVOA_N

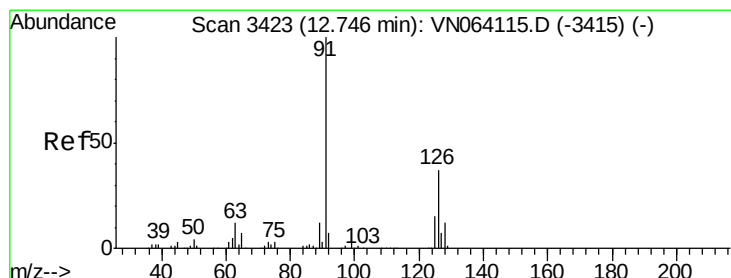
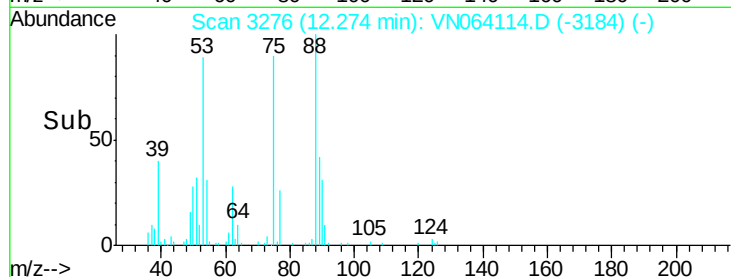
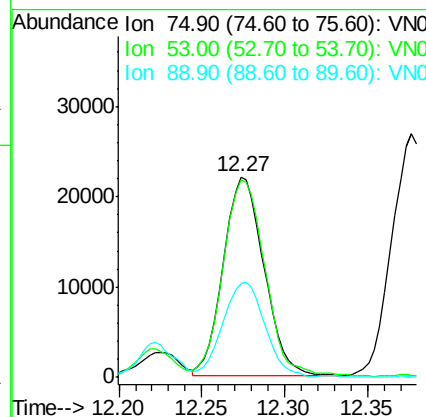
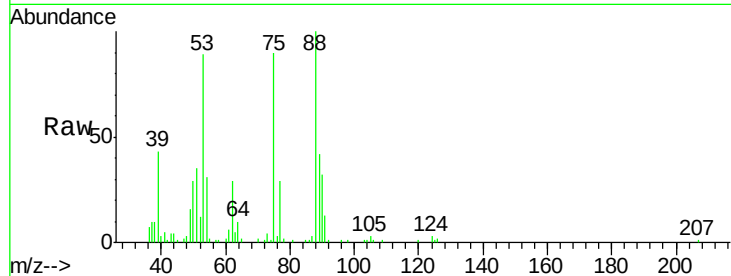
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	37487
Ion	Ratio	Lower	Upper
75	100		
53	104.5	75.7	113.5
89	49.9	36.6	55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.935 ug/l

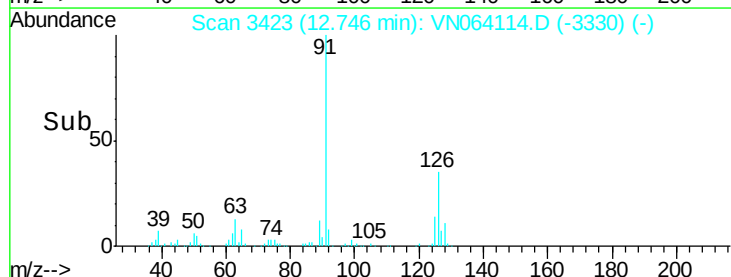
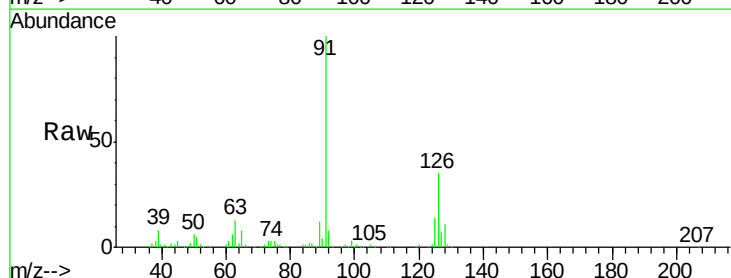
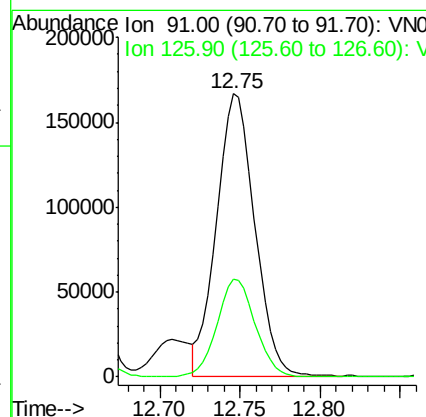
RT: 12.75 min Scan# 3423

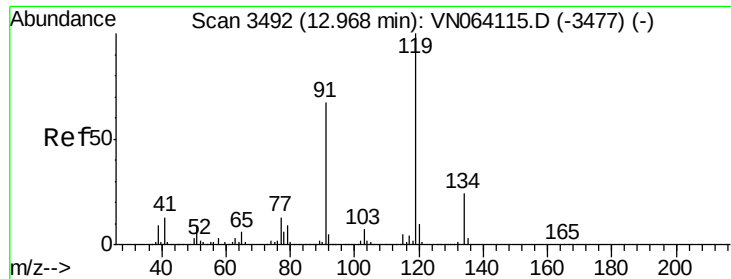
Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Tgt Ion:	91	Resp:	273458
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.1	51.2





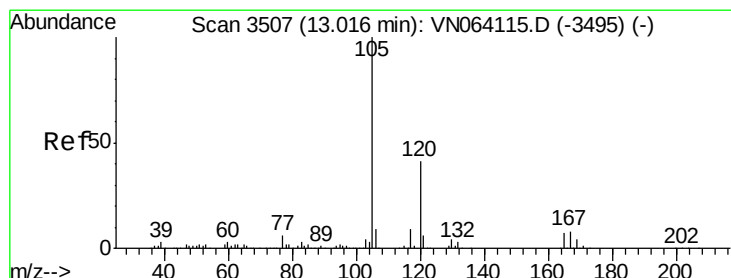
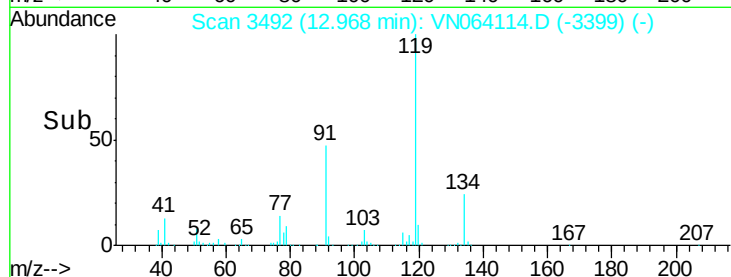
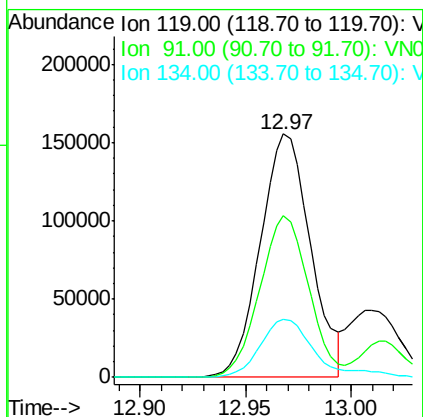
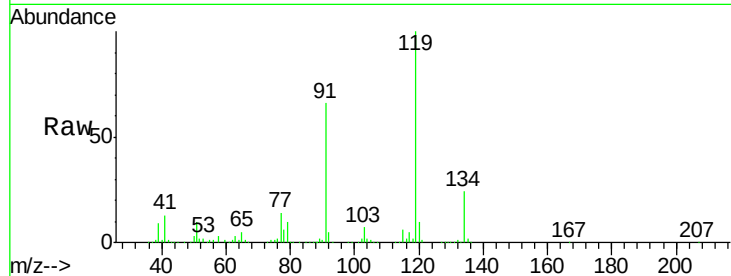
#83
 tert-Butylbenzene
 Concen: 21.354 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	258243		
91	64.4		32.6	98.0
134	26.0		13.0	39.0

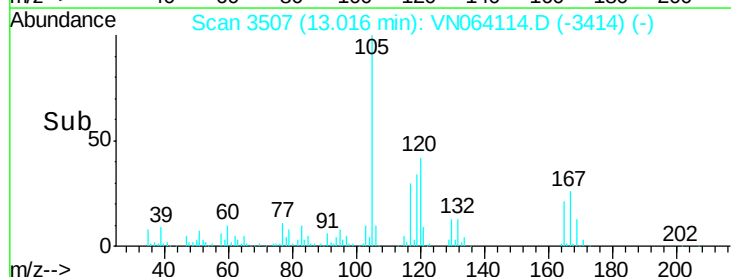
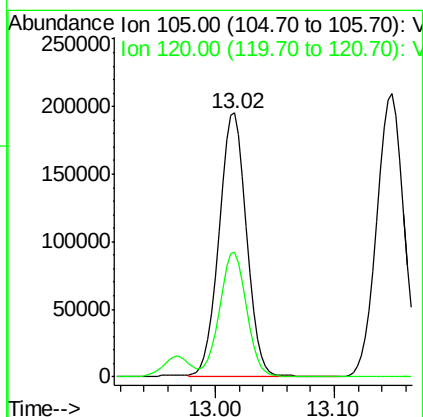
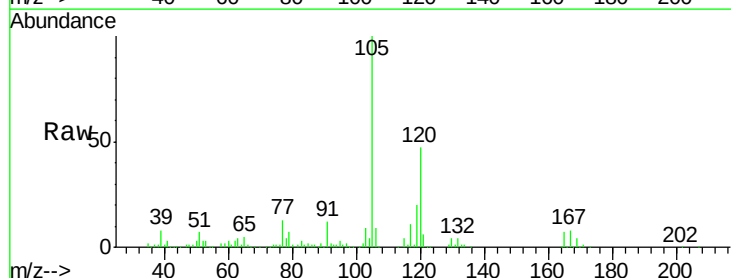
Manual Integrations
 APPROVED

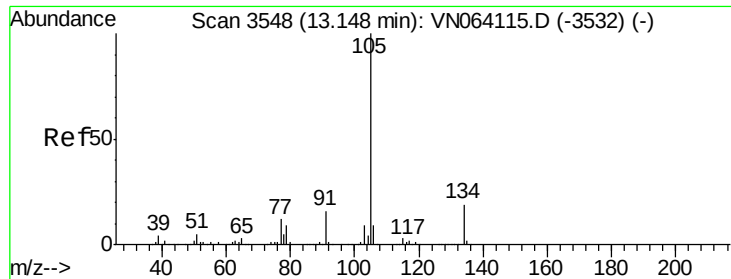
MMDadoda
 10/15/2020 12:17:22 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.137 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	310602		
120	46.5		22.8	68.4





#85

sec-Butylbenzene

Concen: 20.933 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 331779

Ion Ratio Lower Upper

105 100

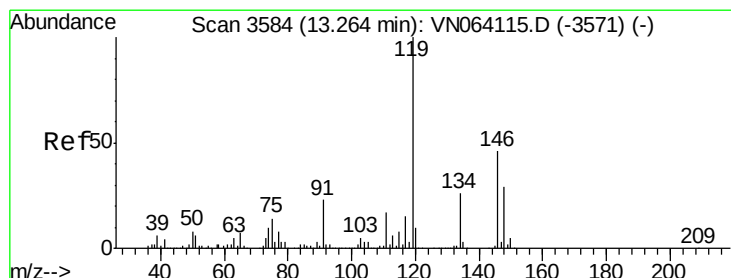
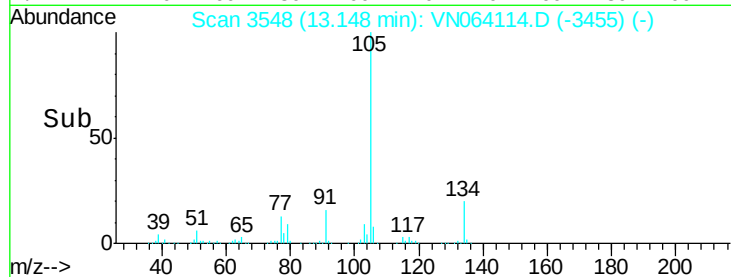
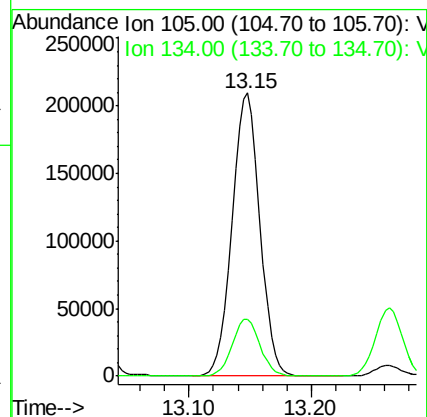
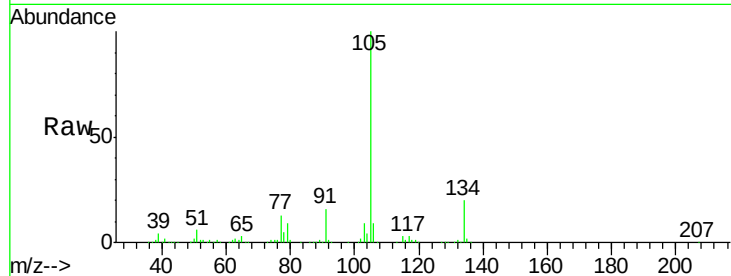
134 20.3 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.004 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

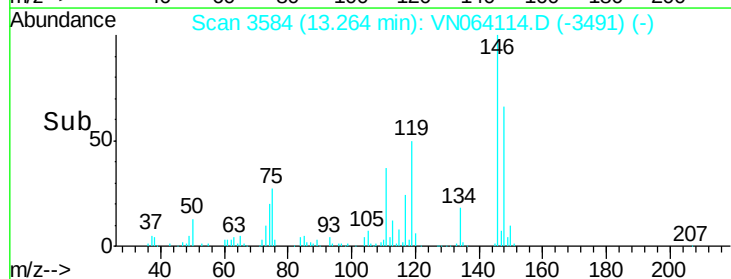
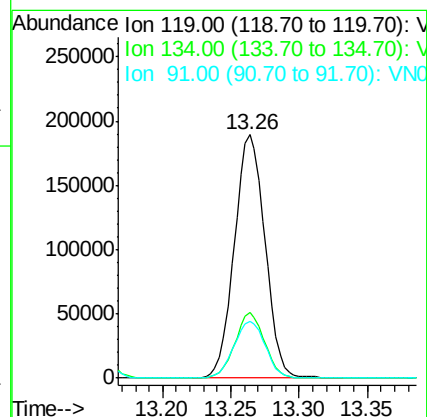
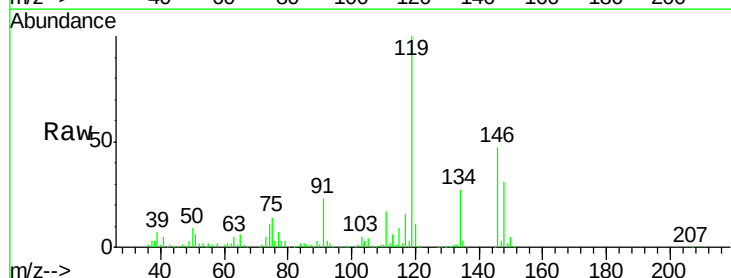
Tgt Ion:119 Resp: 294124

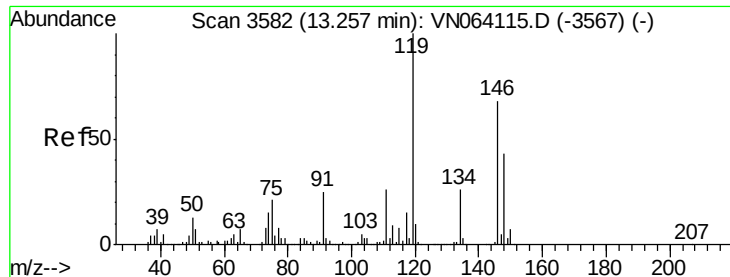
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.7 12.0 36.1





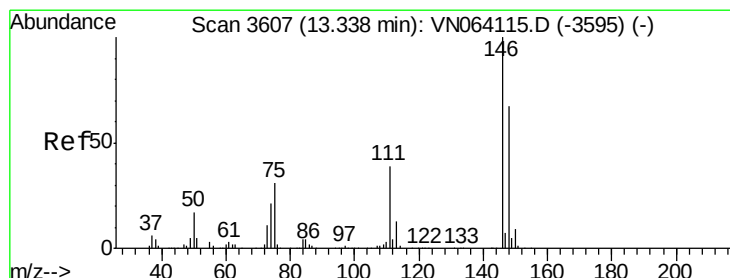
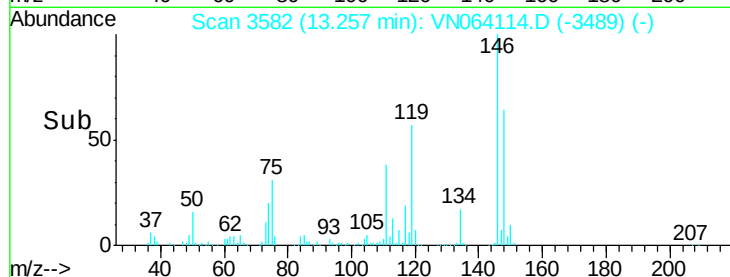
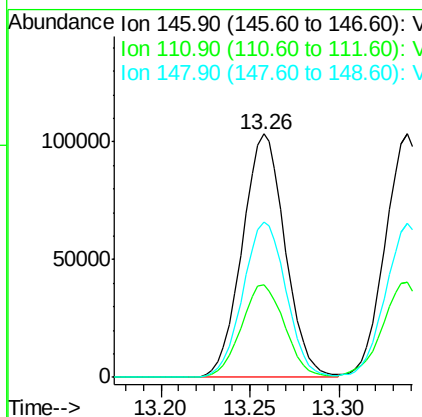
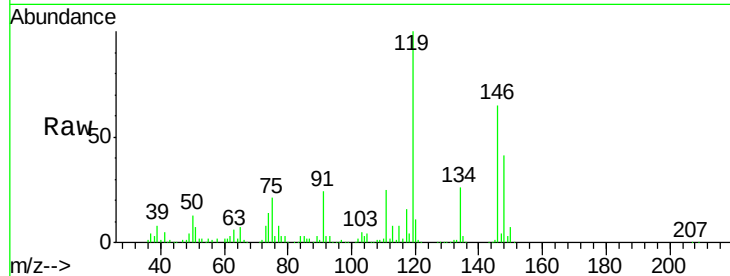
#87
 1,3-Dichlorobenzene
 Concen: 22.025 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.1
148	64.2	32.0	96.2

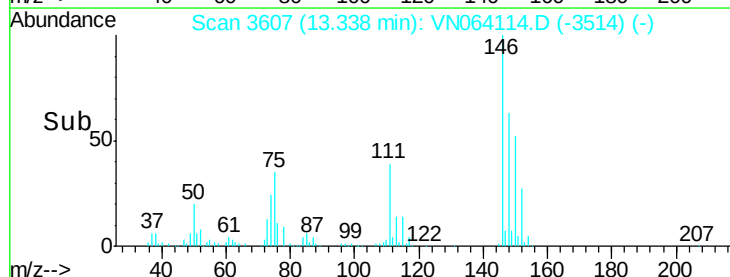
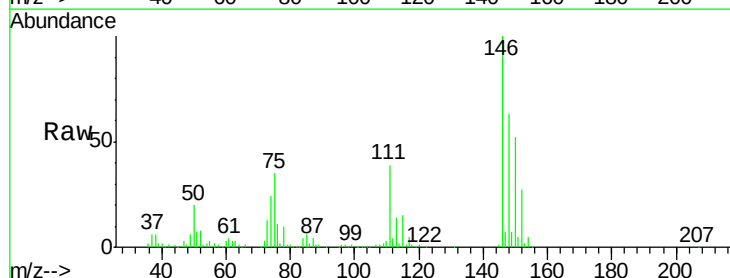
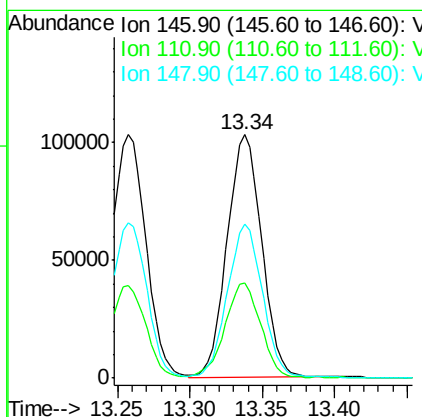
Manual Integrations
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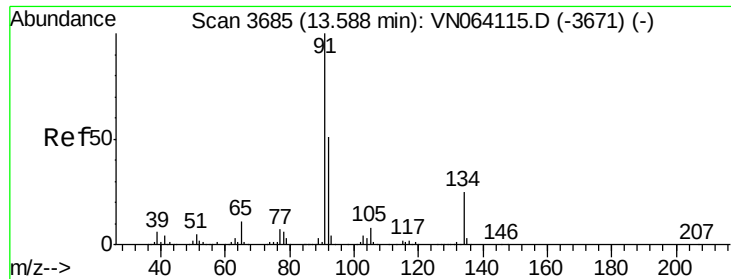
MMDadoda
 10/15/2020 12:17:22 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.812 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.3	57.9
148	64.2	32.1	96.5





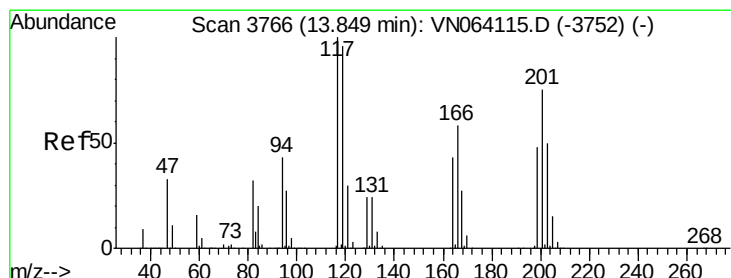
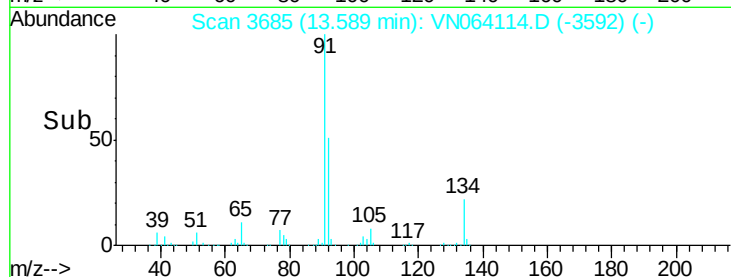
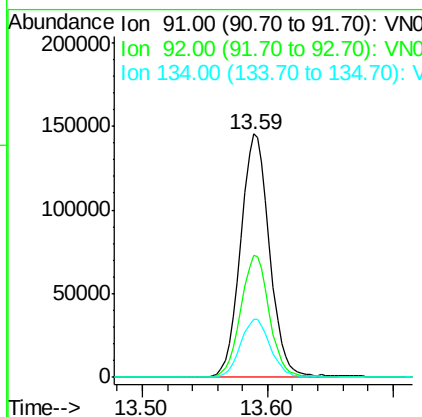
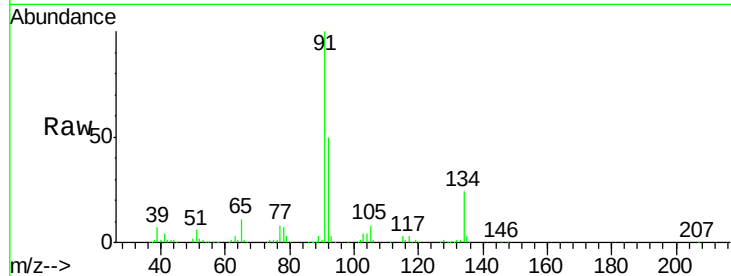
#89
n-Butylbenzene
Concen: 18.312 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	49.7	25.6	76.6	
134	24.5	12.6	37.8	

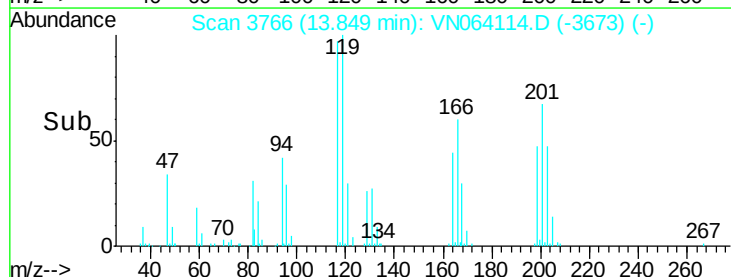
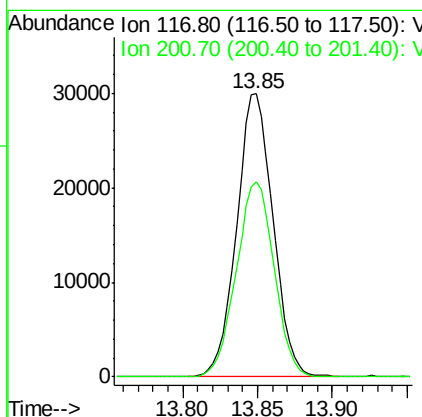
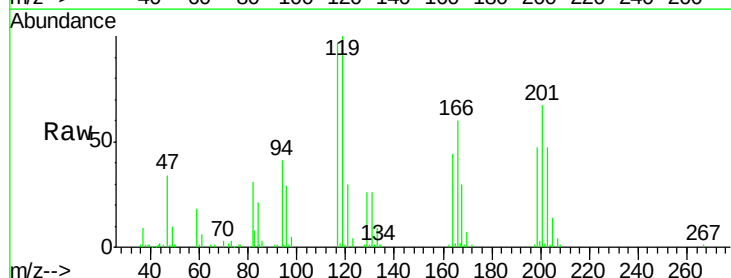
Manual Integrations
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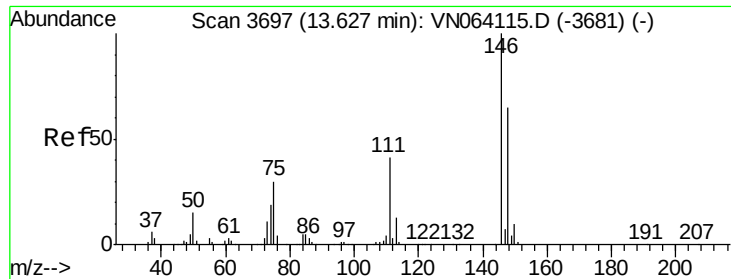
MMDadoda
10/15/2020 12:17:22 PM



#90
Hexachloroethane
Concen: 19.029 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064114.D
Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	71.4	37.4	112.2	





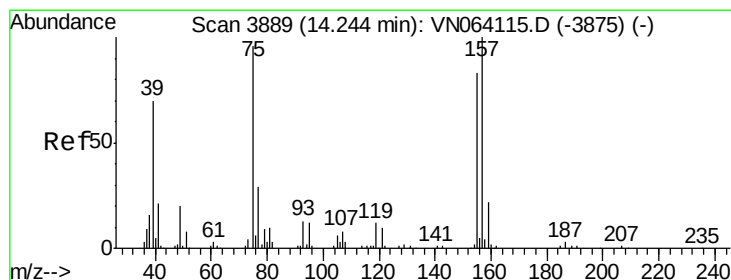
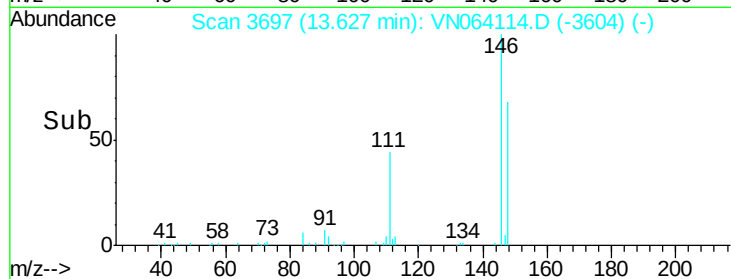
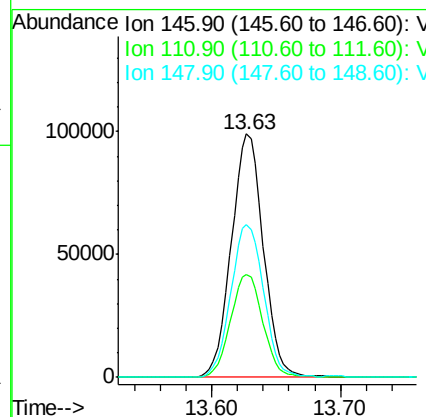
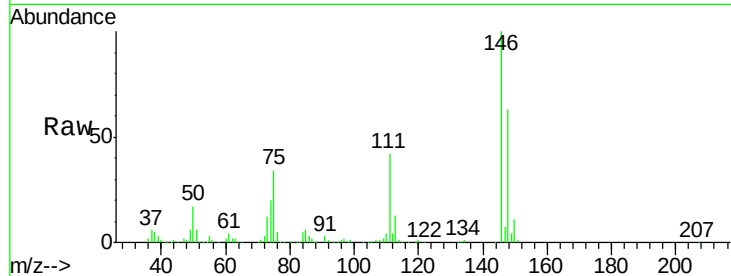
#91
 1,2-Dichlorobenzene
 Concen: 21.608 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.3	60.8
148	64.8	32.2	96.6

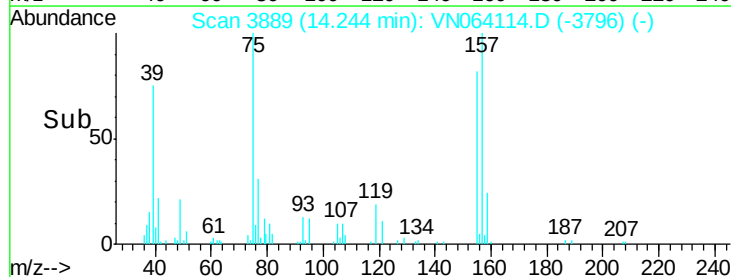
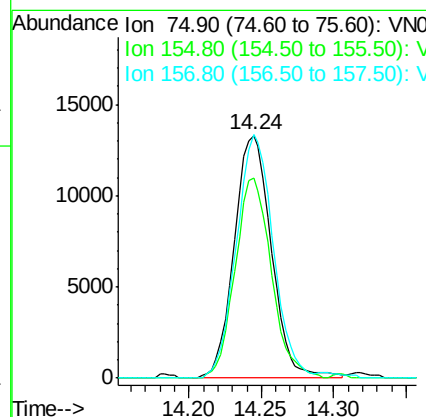
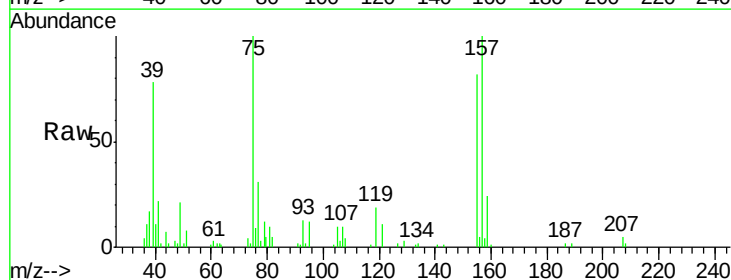
Manual Integrations
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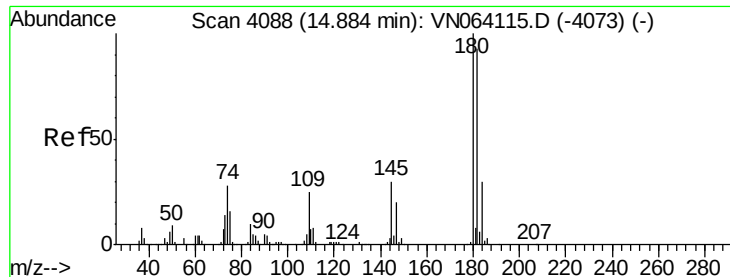
MMDadoda
 10/15/2020 12:17:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.152 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.2	40.8	122.2
157	99.4	53.9	161.7





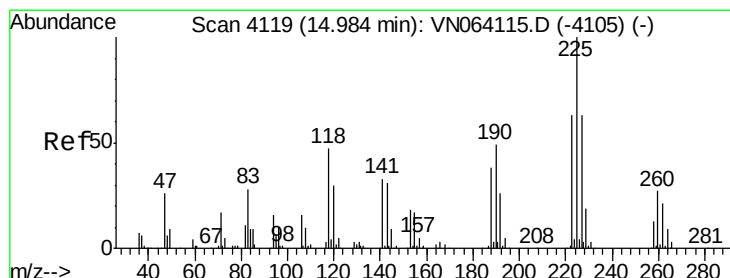
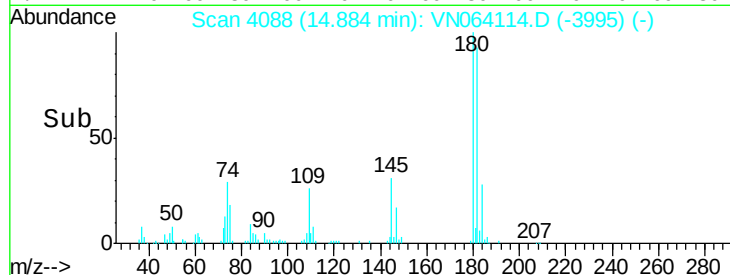
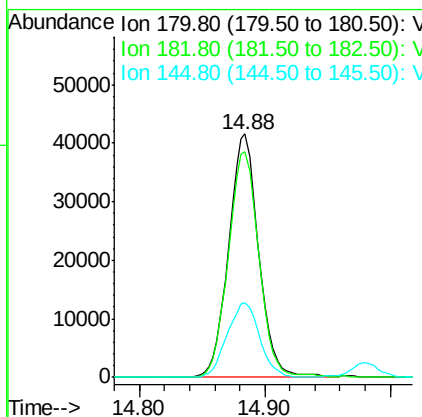
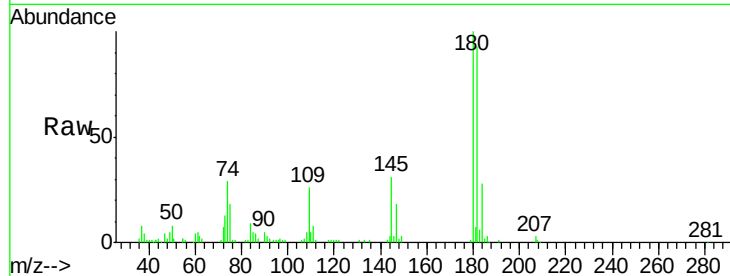
#93
 1,2,4-Trichlorobenzene
 Concen: 16.440 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	68966		
182	94.5	45.8	137.4	
145	33.0	15.4	46.1	

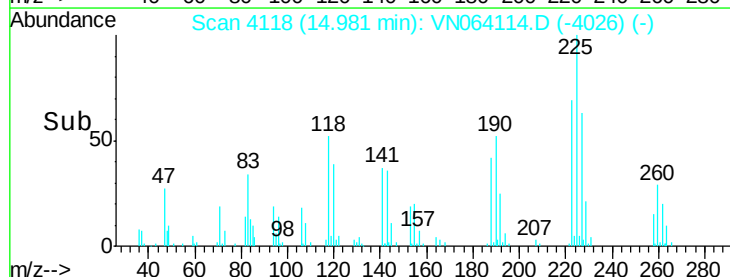
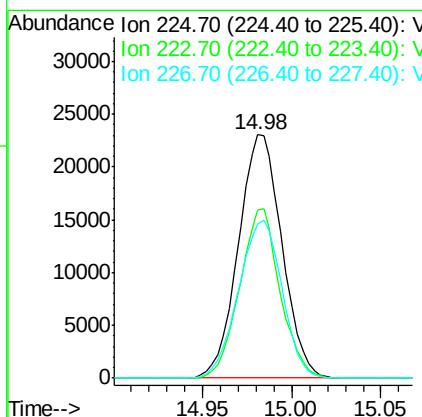
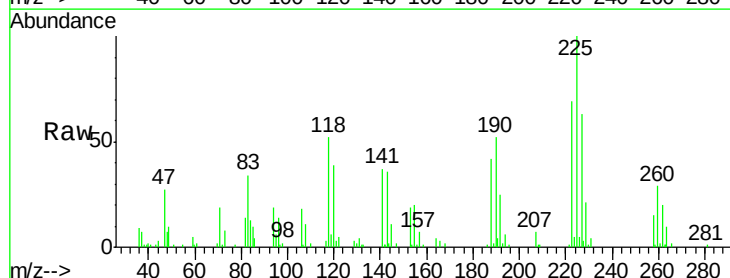
Manual Integrations
 APPROVED

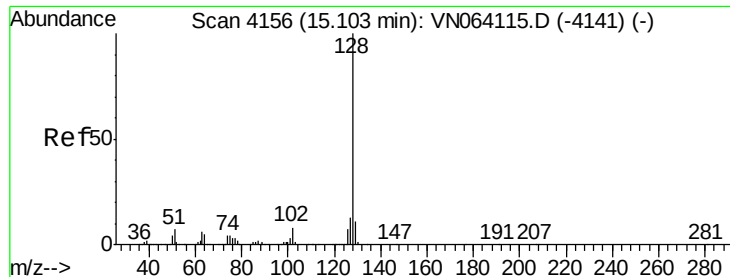
MMDadoda
 10/15/2020 12:17:22 PM



#94
 Hexachlorobutadiene
 Concen: 16.192 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064114.D
 Acq: 14 Oct 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39301		
223	64.3	32.3	96.9	
227	65.0	31.6	94.8	





#95

Naphthalene

Concen: 15.883 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Instrument :

MSVOA_N

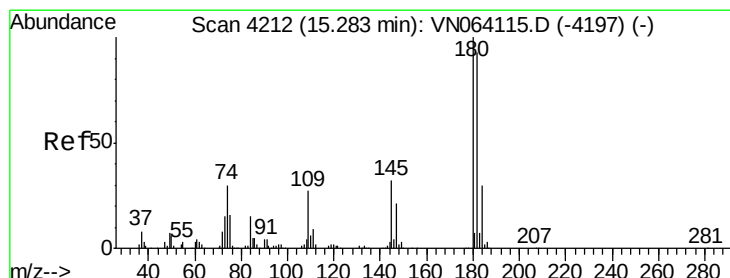
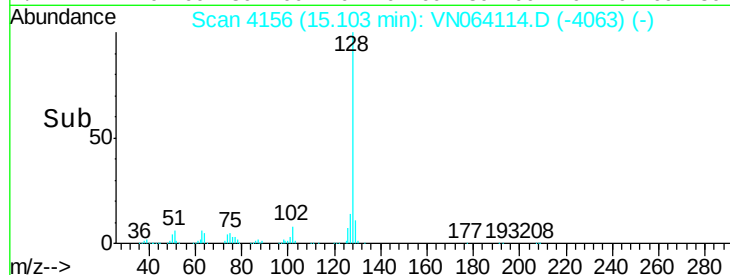
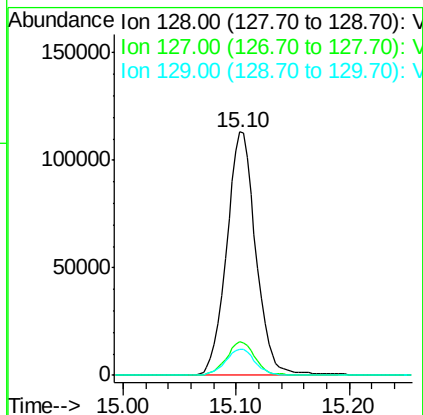
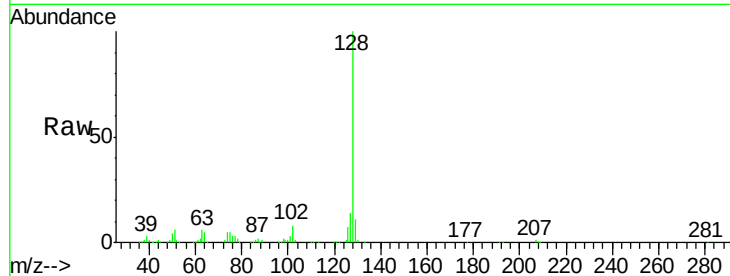
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	202913
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.2	15.4
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:22 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.780 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064114.D

Acq: 14 Oct 2020 15:06

Tgt Ion:	180	Resp:	70945
Ion Ratio	Lower	Upper	
180	100		
182	93.0	46.6	139.8
145	31.8	16.1	48.2

