

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064427.D
 Acq On : 4 Nov 2020 10:36
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:19:13 PM

Quant Time: Nov 04 11:48:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 11:31:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	365472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	650850	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	600761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	264227	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	130852	21.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.76%	
35) Dibromofluoromethane	7.55	113	91058	20.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.94%	
50) Toluene-d8	10.06	98	338881	20.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.58%	
62) 4-Bromofluorobenzene	12.37	95	127270	20.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	93522	21.638	ug/l	99
3) Chloromethane	2.04	50	113010	23.564	ug/l	96
4) Vinyl Chloride	2.17	62	115812	24.774	ug/l	97
5) Bromomethane	2.54	94	73067	23.848	ug/l	94
6) Chloroethane	2.68	64	73739	25.856	ug/l	99
7) Trichlorofluoromethane	2.99	101	172838	22.587	ug/l	99
8) Diethyl Ether	3.38	74	59578	24.178	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	78898	20.786	ug/l	99
10) Methyl Iodide	3.91	142	93800	18.938	ug/l	99
11) Tert butyl alcohol	4.75	59	68891	82.917	ug/l	100
12) 1,1-Dichloroethene	3.69	96	76539	21.353	ug/l	94
13) Acrolein	3.57	56	40683	161.661	ug/l	93
14) Allyl chloride	4.28	41	146134	20.011	ug/l	95
15) Acrylonitrile	4.93	53	198251	105.690	ug/l	98
16) Acetone	3.78	43	257405	115.650	ug/l	100
17) Carbon Disulfide	4.01	76	229477	21.461	ug/l	98
18) Methyl Acetate	4.28	43	90830	20.308	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	278324	20.383	ug/l	100
20) Methylene Chloride	4.51	84	92457	21.604	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	89079	22.068	ug/l	95
22) Diisopropyl ether	5.90	45	318547	21.904	ug/l	100
23) Vinyl Acetate	5.85	43	1339299	110.081	ug/l	99
24) 1,1-Dichloroethane	5.80	63	176560	21.890	ug/l	99
25) 2-Butanone	6.79	43	322610	106.877	ug/l	100
26) 2,2-Dichloropropane	6.78	77	156754	20.149	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	100164	21.730	ug/l	98
28) Bromochloromethane	7.15	49	92759	24.749	ug/l	97
29) Tetrahydrofuran	7.17	42	186981	96.798	ug/l	99
30) Chloroform	7.33	83	186705	21.684	ug/l	99
31) Cyclohexane	7.61	56	145492	20.546	ug/l	93
32) 1,1,1-Trichloroethane	7.52	97	164822	20.274	ug/l	98
36) 1,1-Dichloropropene	7.75	75	133760	19.931	ug/l	99
37) Ethyl Acetate	6.88	43	130846	19.545	ug/l	99
38) Carbon Tetrachloride	7.73	117	142587	18.737	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	117677	17.979	ug/l	98
40) Benzene	8.00	78	389799	20.735	ug/l	100
41) Methacrylonitrile	7.12	41	56931	17.459	ug/l	93
42) 1,2-Dichloroethane	8.08	62	163275	20.398	ug/l	99
43) Isopropyl Acetate	8.13	43	220189	19.277	ug/l	99
44) Trichloroethene	8.80	130	99911	20.587	ug/l	96
45) 1,2-Dichloropropane	9.08	63	104957	20.815	ug/l	98
46) Dibromomethane	9.17	93	70987	20.508	ug/l	98
47) Bromodichloromethane	9.37	83	148931	19.376	ug/l #	98
48) Methyl methacrylate	9.17	41	110986	18.811	ug/l	98
49) 1,4-Dioxane	9.17	88	30243	355.757	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	653001	97.804	ug/l	100
52) Toluene	10.12	92	244639	20.657	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	159864	19.560	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	168916	20.092	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	92334	19.852	ug/l	97
56) Ethyl methacrylate	10.40	69	136110	19.414	ug/l	99
57) 1,3-Dichloropropane	10.68	76	166536	20.996	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	345267	94.653	ug/l	98
59) 2-Hexanone	10.72	43	478944	97.603	ug/l	100
60) Dibromochloromethane	10.87	129	103608	19.132	ug/l	100
61) 1,2-Dibromoethane	10.97	107	95699	20.319	ug/l	100
64) Tetrachloroethene	10.60	164	88483	17.946	ug/l	94
65) Chlorobenzene	11.41	112	257838	20.750	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	96560	19.423	ug/l	99
67) Ethyl Benzene	11.48	91	461909	20.010	ug/l	100
68) m/p-Xylenes	11.60	106	333798	39.080	ug/l	97
69) o-Xylene	11.92	106	159867	19.407	ug/l	97
70) Styrene	11.94	104	269980	19.996	ug/l	99
71) Bromoform	12.10	173	63681	16.660	ug/l #	97
73) Isopropylbenzene	12.22	105	413679	20.457	ug/l	100
74) N-amyl acetate	12.04	43	184483	20.780	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	127453	21.585	ug/l	98
76) 1,2,3-Trichloropropane	12.52	75	120927m	19.093	ug/l	
77) Bromobenzene	12.50	156	98833	20.136	ug/l	100
78) n-propylbenzene	12.56	91	471072	20.581	ug/l	99
79) 2-Chlorotoluene	12.65	91	302965	20.784	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	343810	20.188	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	42140	18.922	ug/l	93
82) 4-Chlorotoluene	12.75	91	316542	21.183	ug/l	100
83) tert-Butylbenzene	12.97	119	272310	19.670	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	350765	20.585	ug/l	98
85) sec-Butylbenzene	13.14	105	346228	19.261	ug/l	100
86) p-Isopropyltoluene	13.26	119	310604	19.235	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	171990	19.937	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	174819	19.895	ug/l	96
89) n-Butylbenzene	13.59	91	262491	18.430	ug/l	99
90) Hexachloroethane	13.85	117	55701	18.479	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	168854	19.680	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	25511	18.032	ug/l	97

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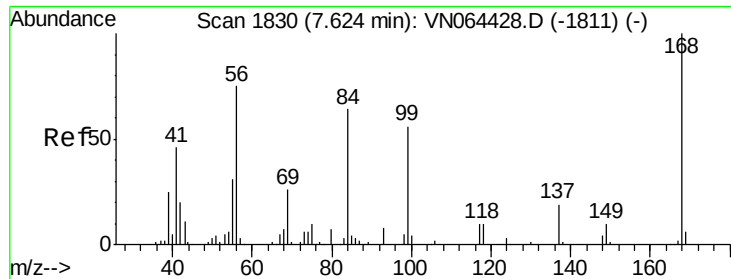
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	69421	16.833	ug/l	99
94) Hexachlorobutadiene	14.98	225	34458	13.838	ug/l	97
95) Naphthalene	15.10	128	220969	17.103	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	67594	16.970	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 365472

Ion Ratio Lower Upper

168 100

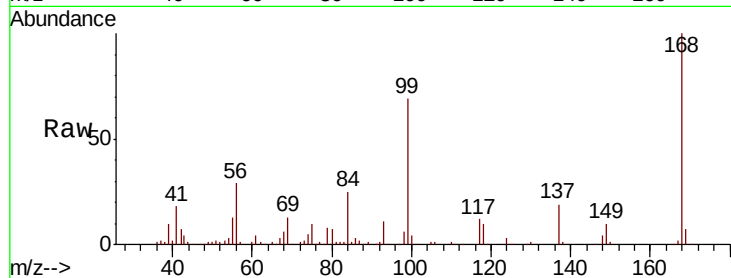
99 68.3 53.4 80.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

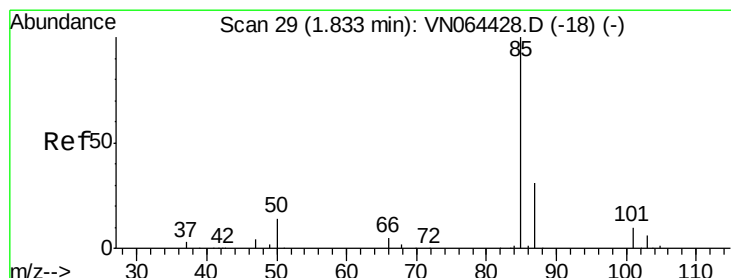
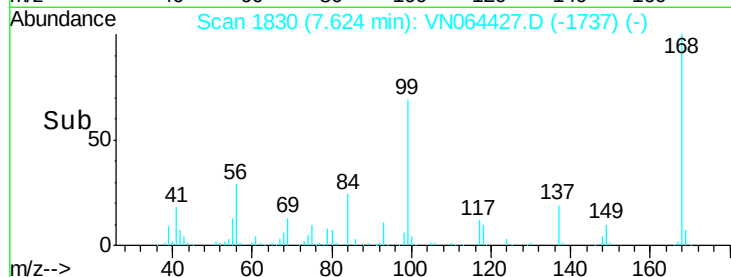
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.638 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064427.D

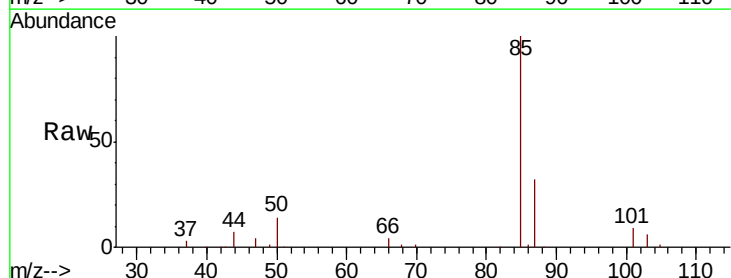
Acq: 4 Nov 2020 10:36

Tgt Ion: 85 Resp: 93522

Ion Ratio Lower Upper

85 100

87 31.7 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

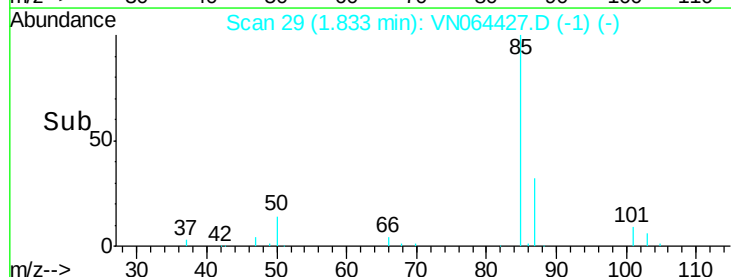
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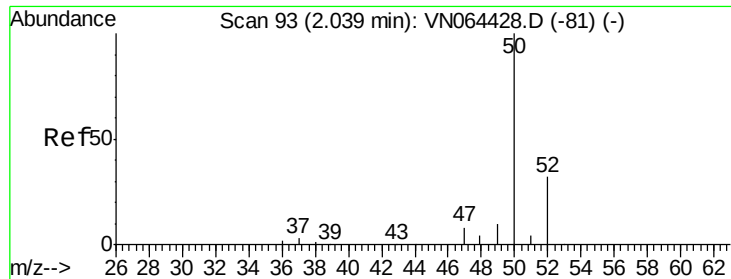
40000

20000

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Time-->





#3

Chloromethane

Concen: 23.564 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 113010

Ion Ratio Lower Upper

50 100

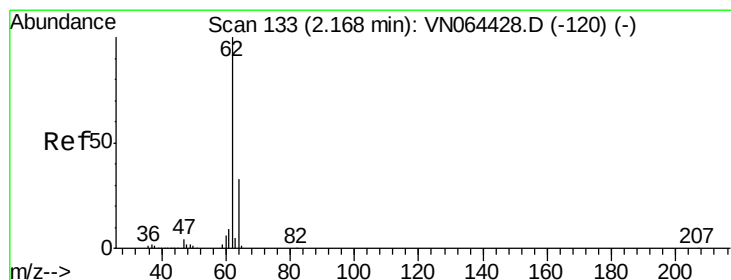
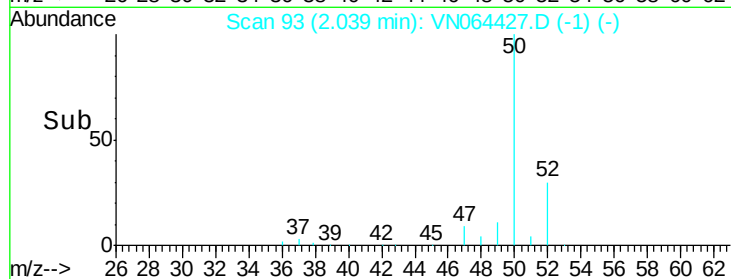
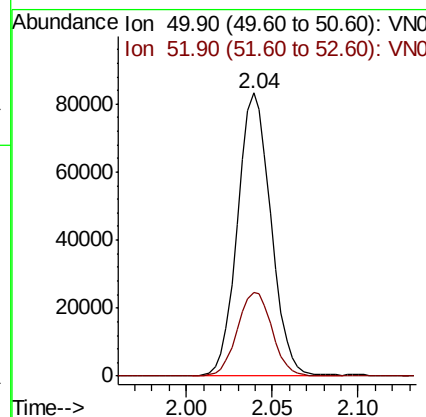
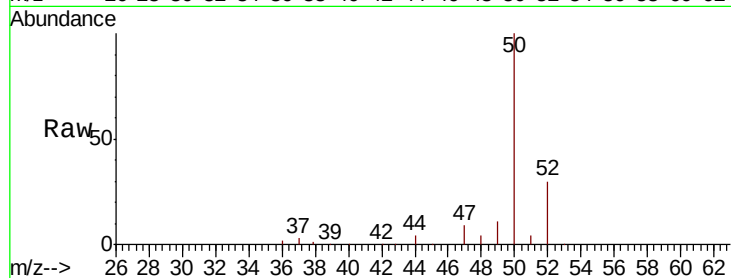
52 29.6 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 24.774 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064427.D

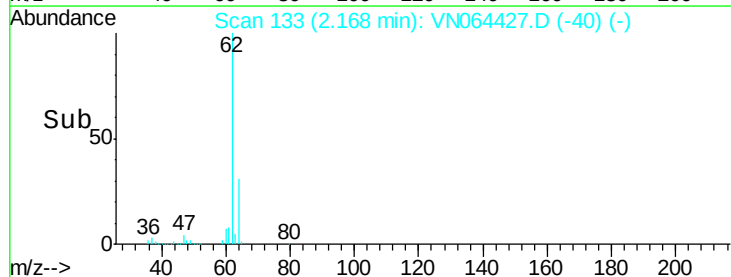
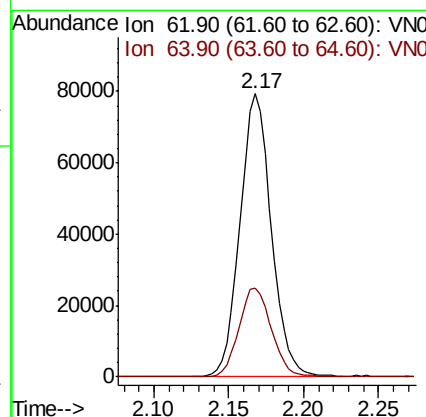
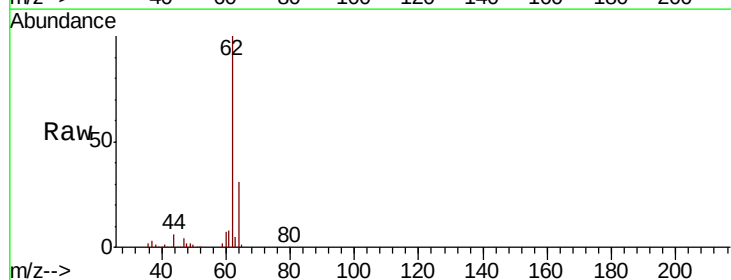
Acq: 4 Nov 2020 10:36

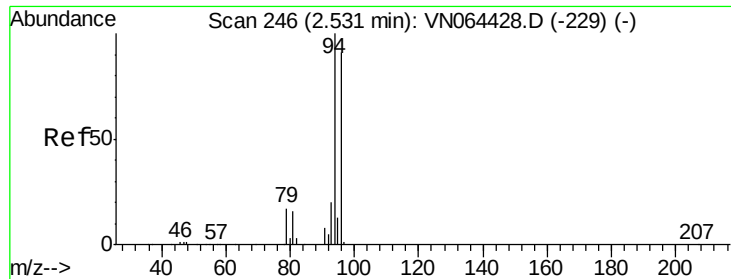
Tgt Ion: 62 Resp: 115812

Ion Ratio Lower Upper

62 100

64 31.4 26.3 39.5





#5

Bromomethane

Concen: 23.848 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 73067

Ion Ratio Lower Upper

94 100

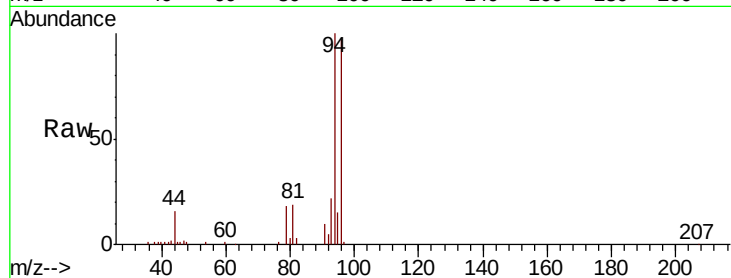
96 97.4 73.1 109.7

Manual Integrations

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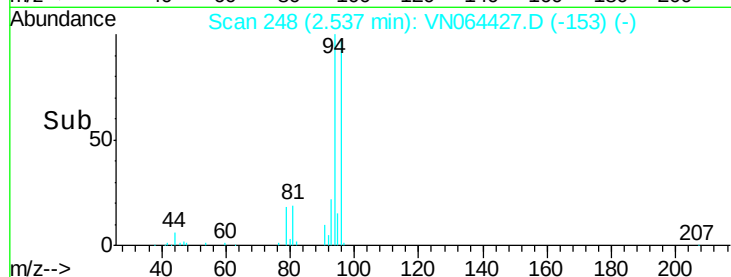


Abundance Ion 93.90 (93.60 to 94.60): VN064427.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN064427.D (-153) (-)

2.54

Time-->



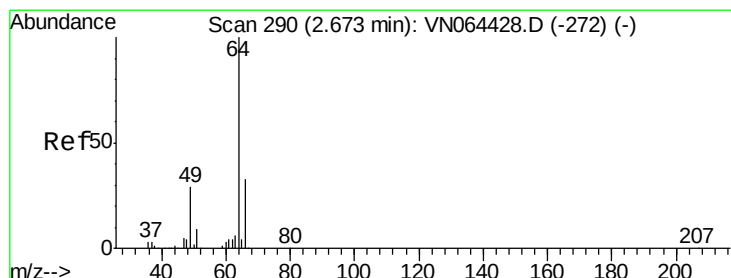
Abundance

Ion 93.90 (93.60 to 94.60): VN064427.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN064427.D (-153) (-)

2.54

Time-->



#6

Chloroethane

Concen: 25.856 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064427.D

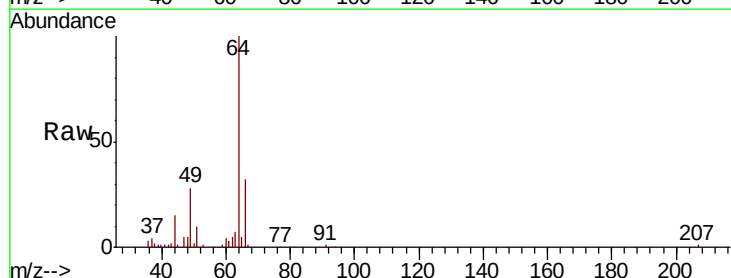
Acq: 4 Nov 2020 10:36

Tgt Ion: 64 Resp: 73739

Ion Ratio Lower Upper

64 100

66 31.9 26.1 39.1

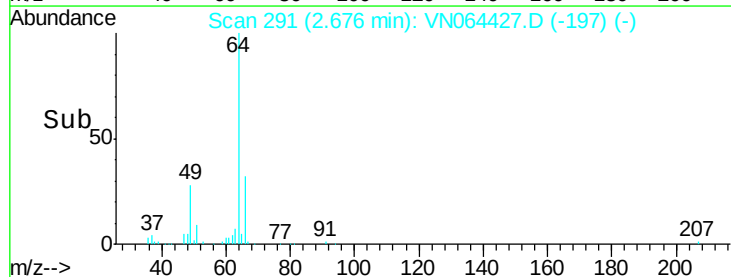


Abundance Ion 63.90 (63.60 to 64.60): VN064427.D (-197) (-)

Ion 65.90 (65.60 to 66.60): VN064427.D (-197) (-)

2.68

Time-->



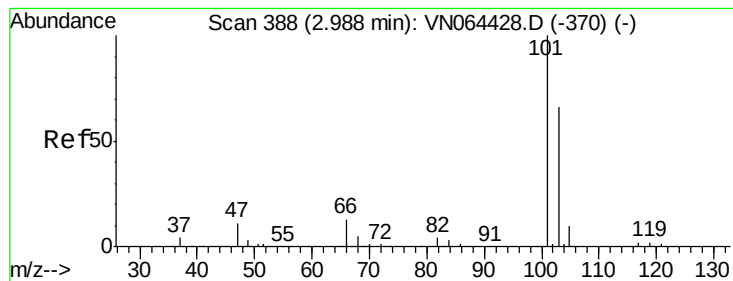
Abundance

Ion 63.90 (63.60 to 64.60): VN064427.D (-197) (-)

Ion 65.90 (65.60 to 66.60): VN064427.D (-197) (-)

2.68

Time-->



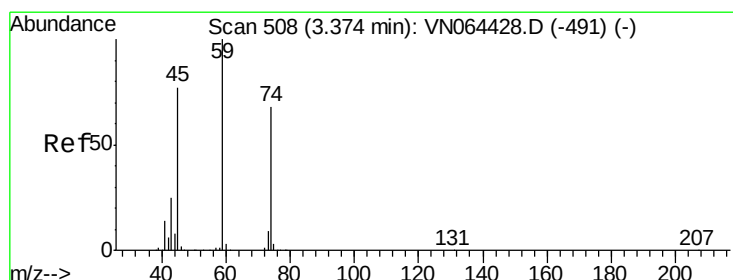
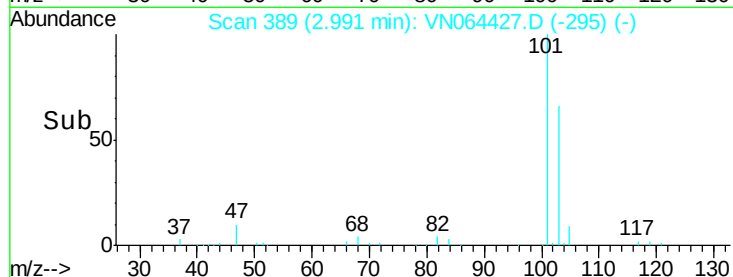
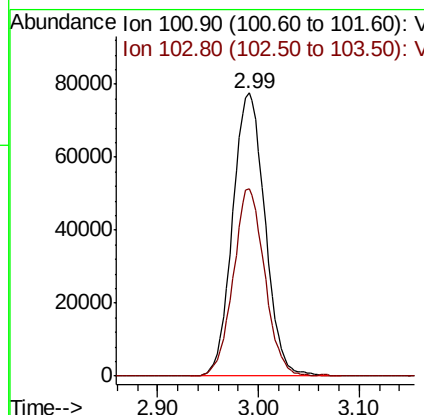
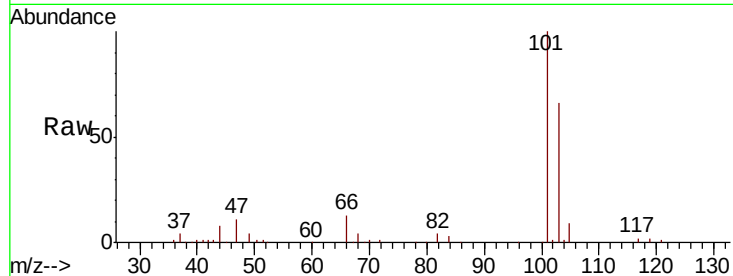
#7
 Trichlorofluoromethane
 Concen: 22.587 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion:101 Resp: 172838
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.4 78.6

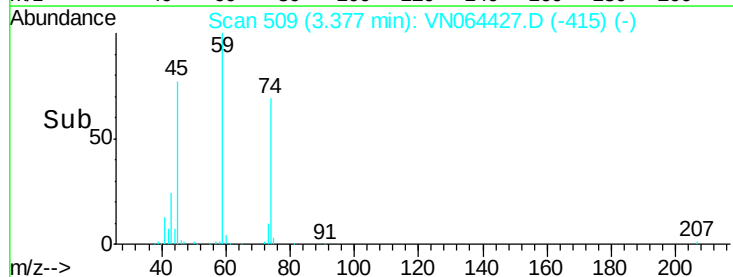
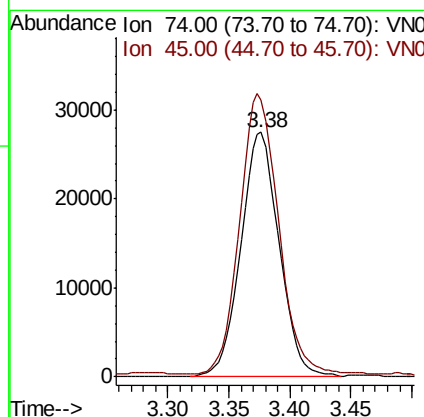
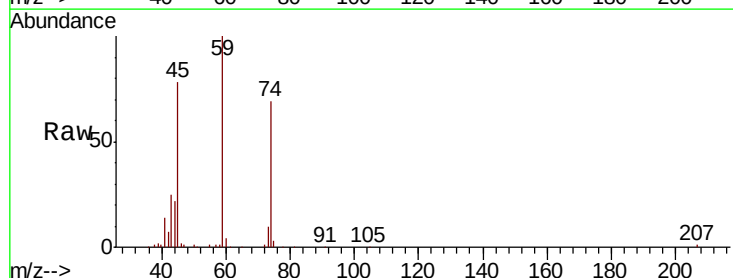
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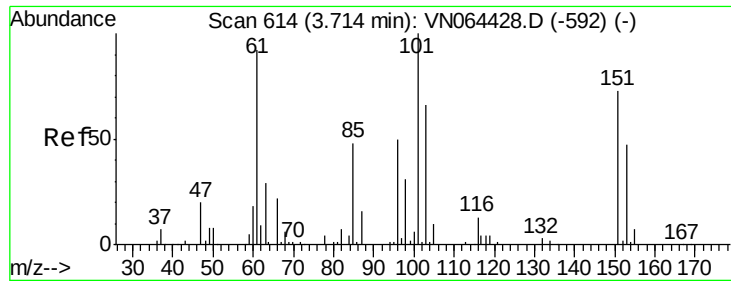
MMDadoda
 11/5/2020 2:19:13 PM



#8
 Diethyl Ether
 Concen: 24.178 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion: 74 Resp: 59578
 Ion Ratio Lower Upper
 74 100
 45 115.2 55.9 167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.786 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

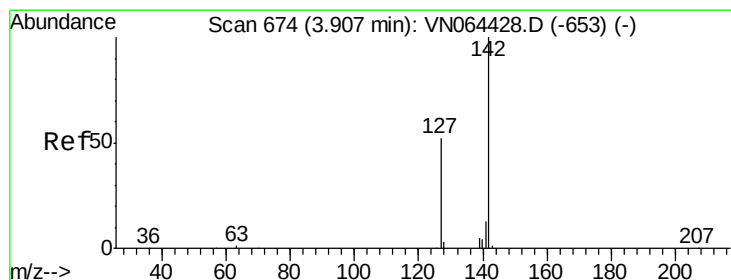
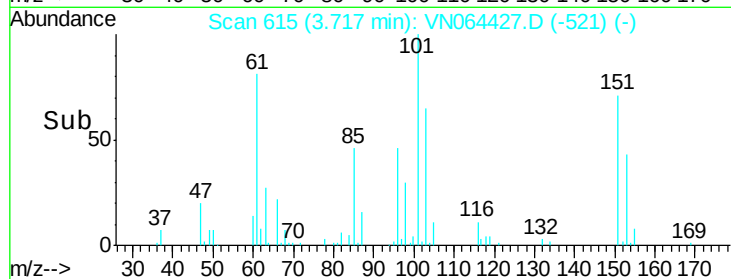
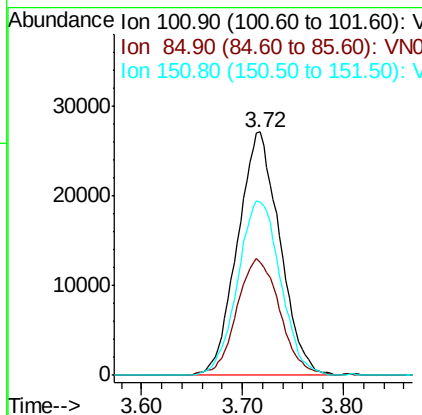
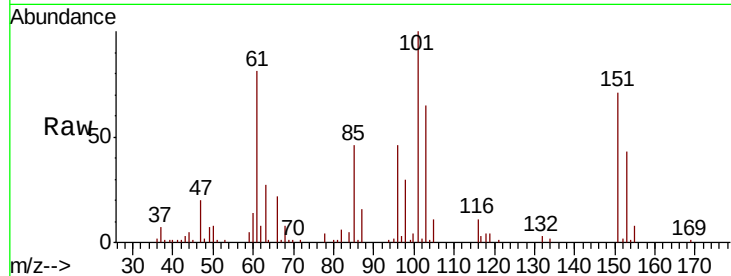
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	78898
Ion Ratio	Lower	Upper	
101	100		
85	48.9	38.6	57.8
151	72.7	57.5	86.3

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#10

Methyl Iodide

Concen: 18.938 ug/l

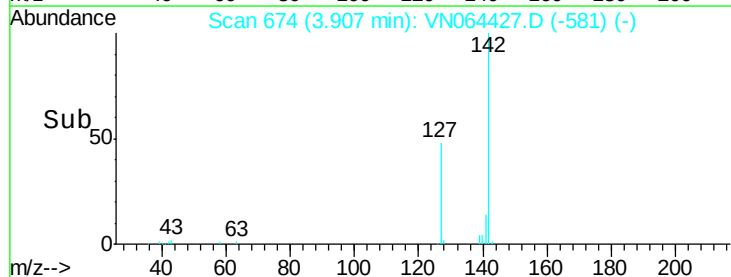
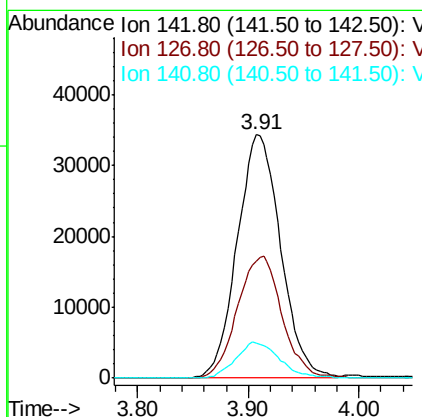
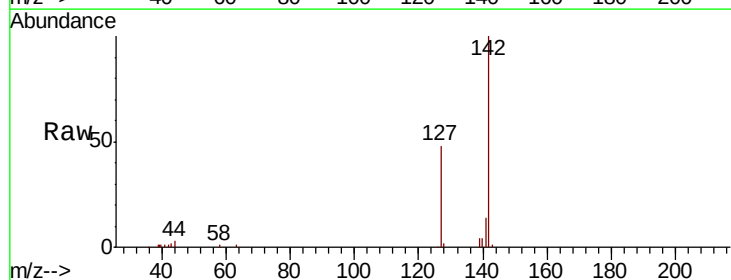
RT: 3.91 min Scan# 674

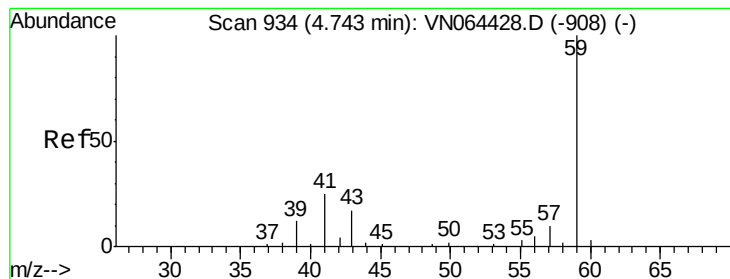
Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Tgt Ion:	142	Resp:	93800
Ion Ratio	Lower	Upper	
142	100		
127	51.3	41.8	62.8
141	14.7	11.4	17.2





#11

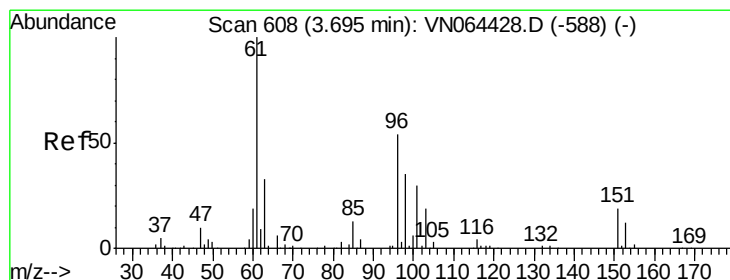
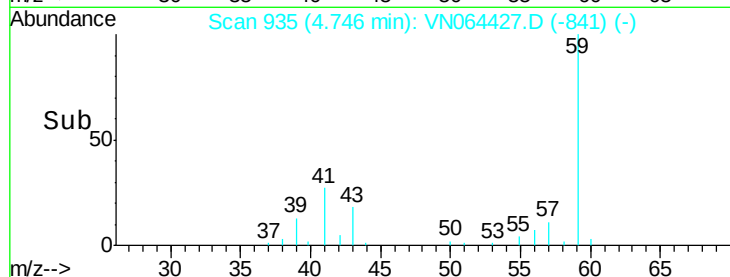
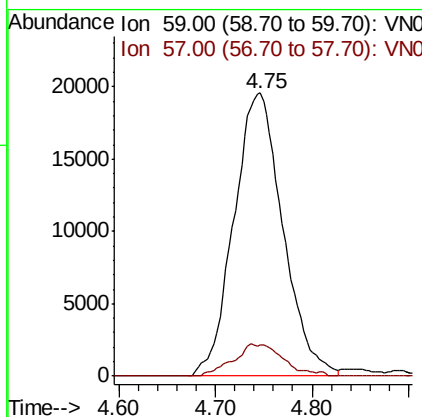
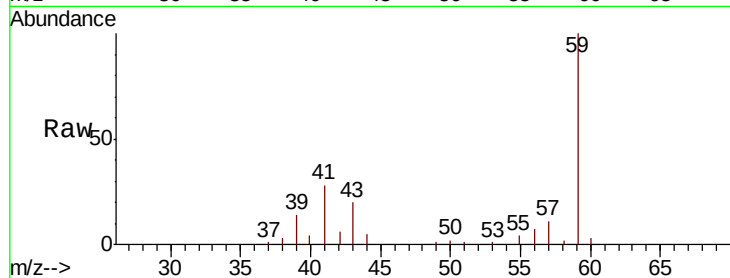
Tert butyl alcohol
 Concen: 82.917 ug/l
 RT: 4.75 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	59	57	Ratio	100	11.4	Resp	68891	Lower	9.0	Upper	13.4
Ion	59	57	Ratio	100	11.4	Resp	68891	Lower	9.0	Upper	13.4

Manual Integrations
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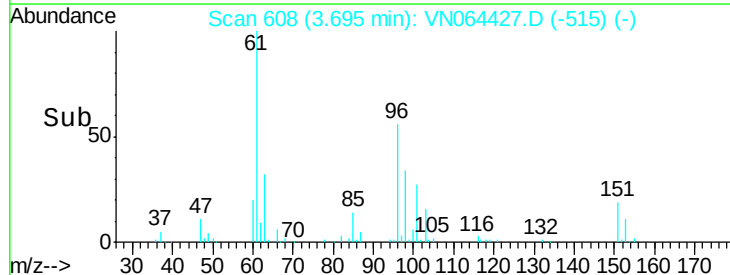
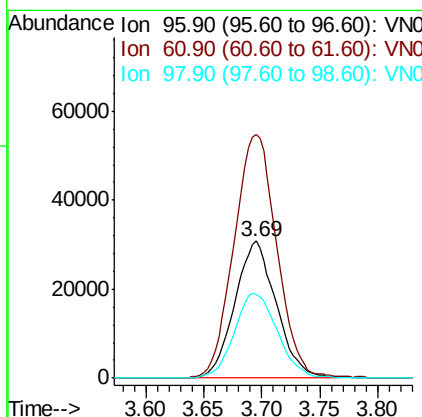
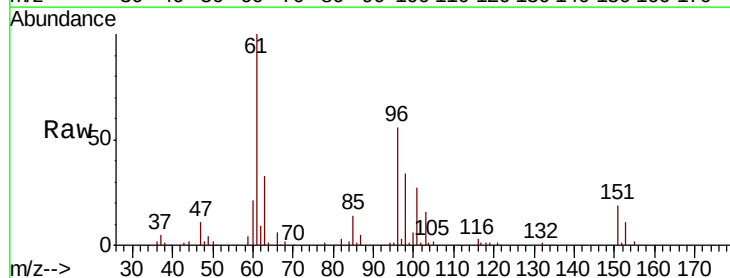
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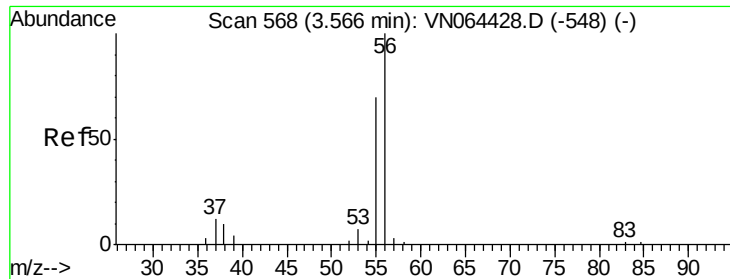


#12

1,1-Dichloroethene
 Concen: 21.353 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion	96	61	98	Ratio	100	177.3	61.2	Resp	76539	Lower	149.5	Upper	224.3	78.6
Ion	96	61	98	Ratio	100	177.3	61.2	Resp	76539	Lower	149.5	Upper	224.3	78.6





#13

Acrolein

Concen: 161.661 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 40683

Ion Ratio Lower Upper

56 100

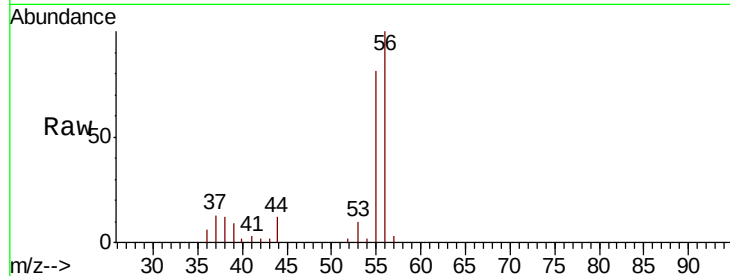
55 75.8 55.9 83.9

Manual Integrations

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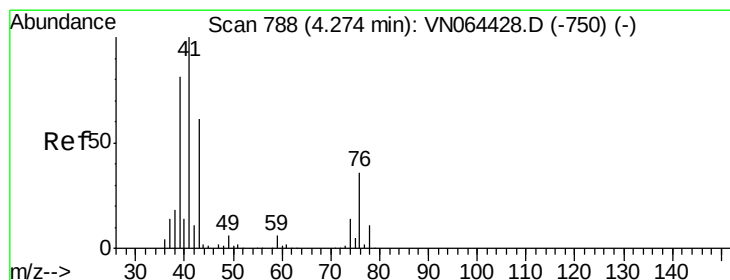
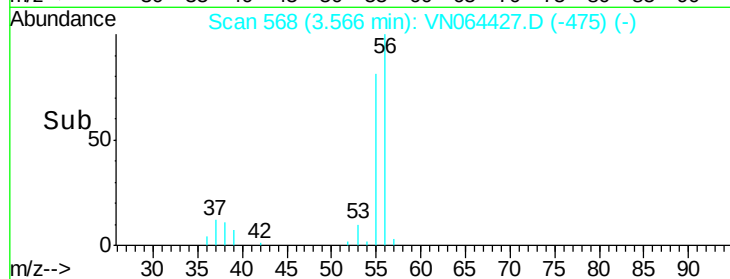
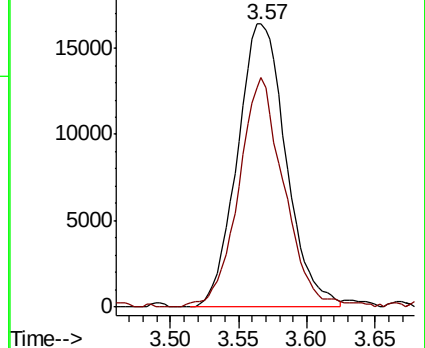
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 20.011 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

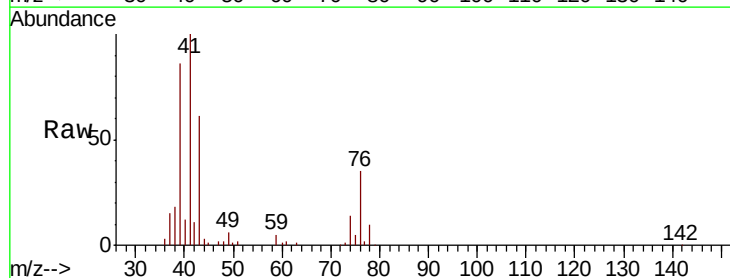
Tgt Ion: 41 Resp: 146134

Ion Ratio Lower Upper

41 100

39 82.2 61.8 92.8

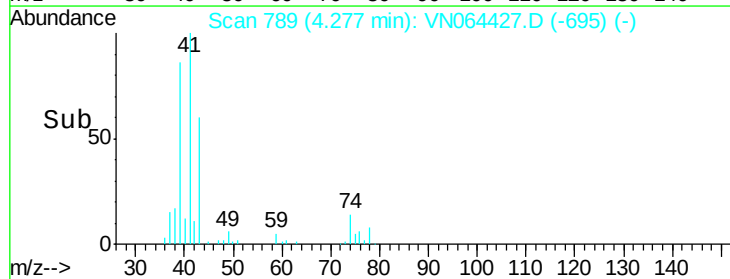
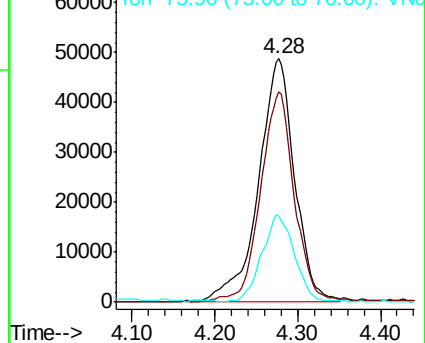
76 33.0 25.4 38.0

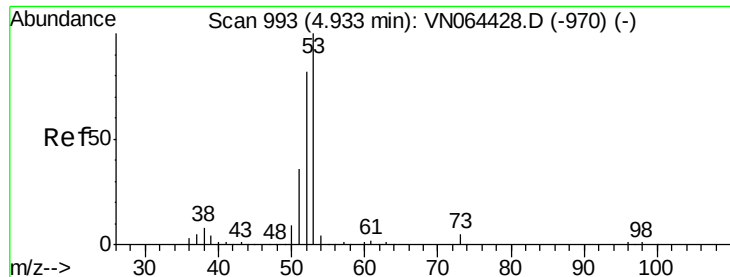


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 105.690 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

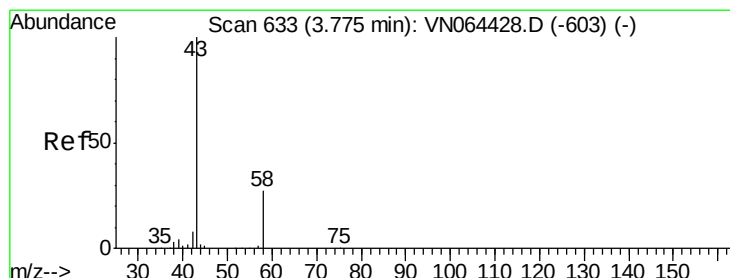
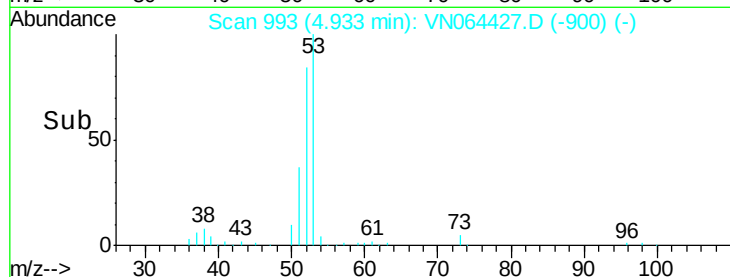
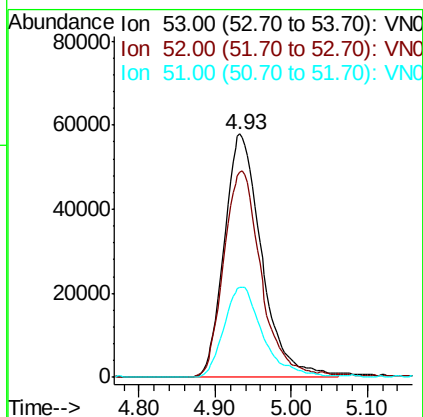
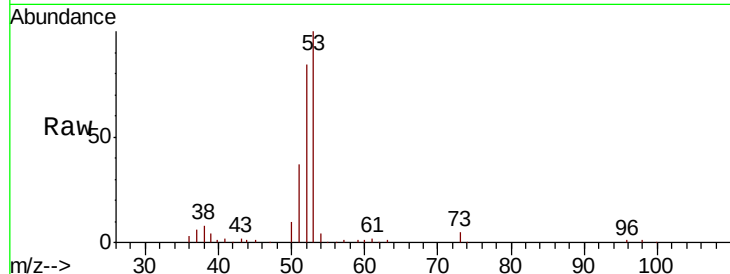
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	198251
Ion Ratio	Lower	Upper	
53	100		
52	84.1	65.6	98.4
51	38.7	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 115.650 ug/l

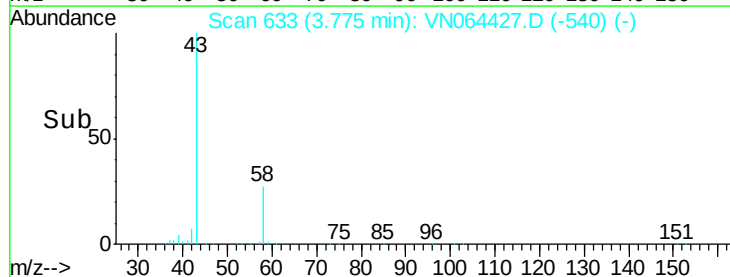
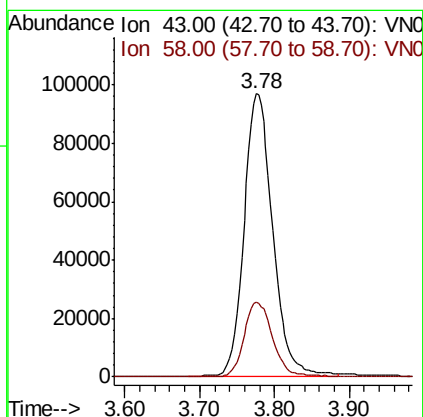
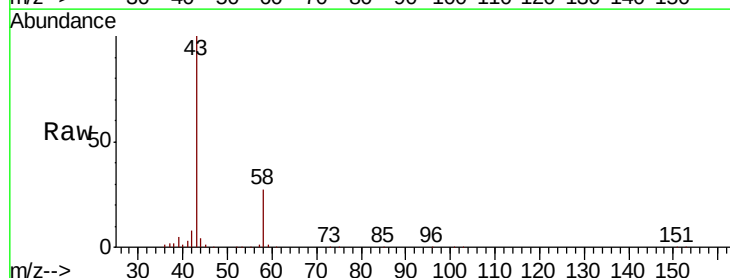
RT: 3.78 min Scan# 633

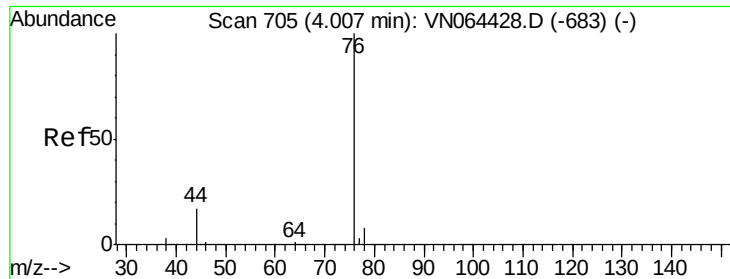
Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Tgt Ion:	43	Resp:	257405
Ion Ratio	Lower	Upper	
43	100		
58	26.6	21.4	32.0





#17

Carbon Disulfide

Concen: 21.461 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 229477

Ion Ratio Lower Upper

76 100

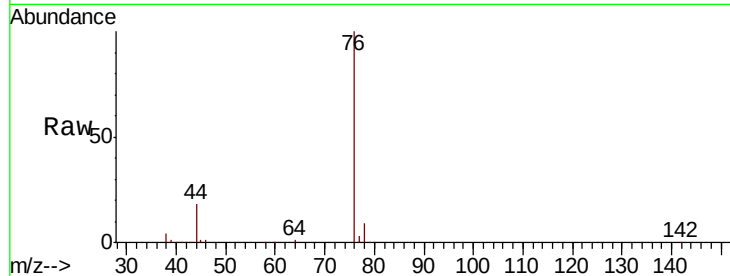
78 9.2 6.8 10.2

Manual Integrations

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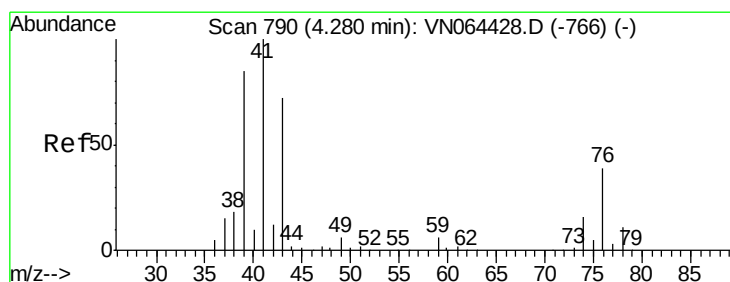
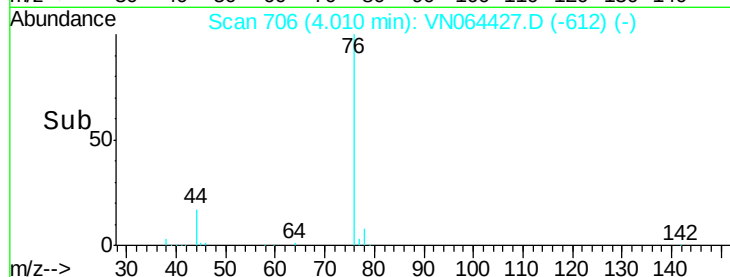
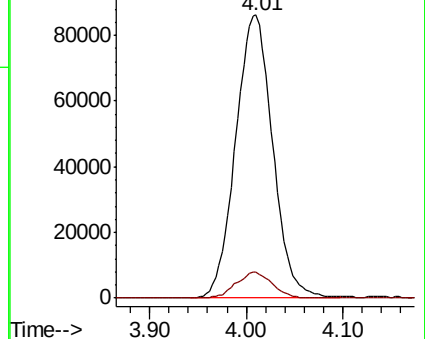
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Abundance Ion 75.90 (75.60 to 76.60): VN064427.D (-612) (-)

Ion 77.90 (77.60 to 78.60): VN064427.D (-612) (-)



#18

Methyl Acetate

Concen: 20.308 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064427.D

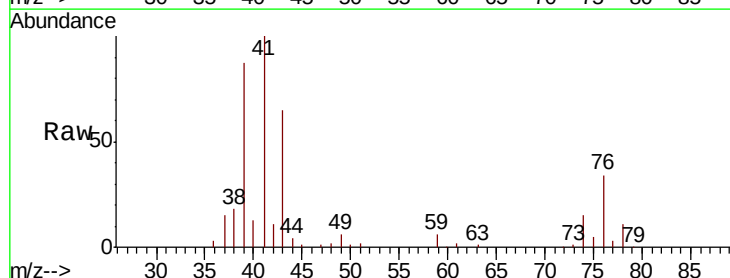
Acq: 4 Nov 2020 10:36

Tgt Ion: 43 Resp: 90830

Ion Ratio Lower Upper

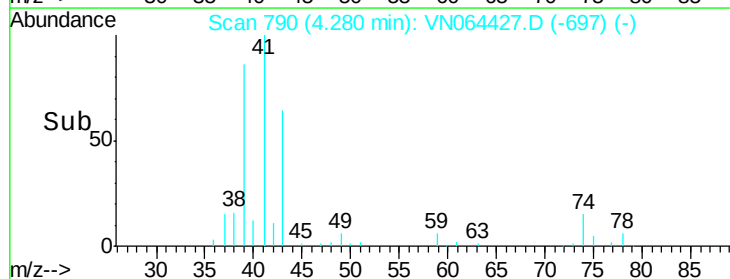
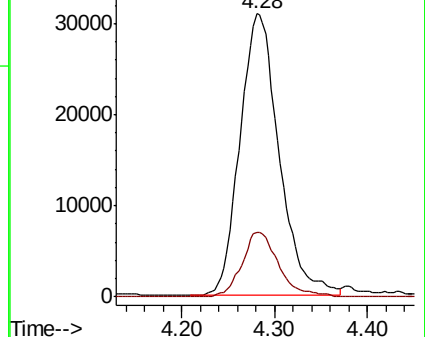
43 100

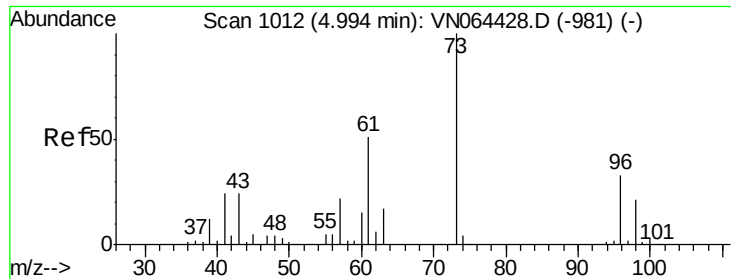
74 21.5 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN064427.D (-697) (-)

Ion 74.00 (73.70 to 74.70): VN064427.D (-697) (-)





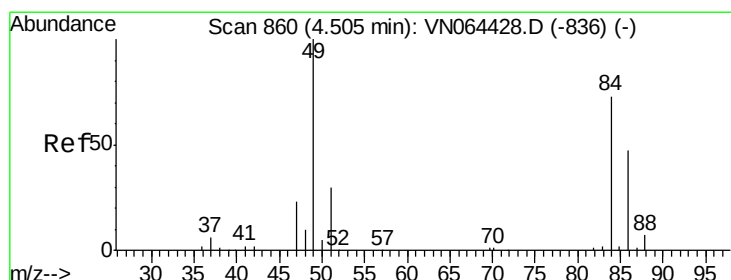
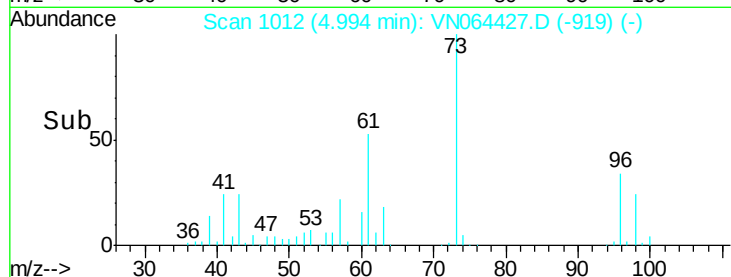
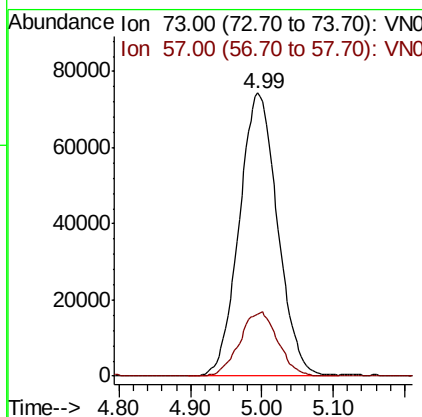
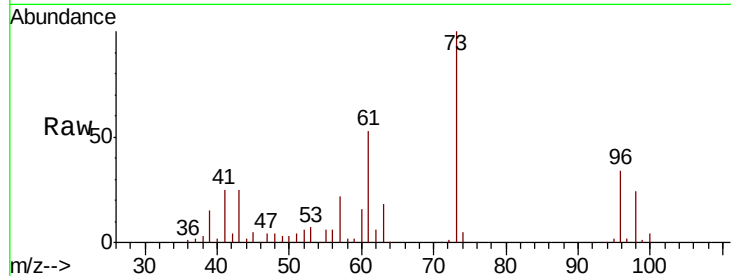
#19
Methyl tert-butyl Ether
Concen: 20.383 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 278324
Ion Ratio Lower Upper
73 100
57 22.0 17.7 26.5

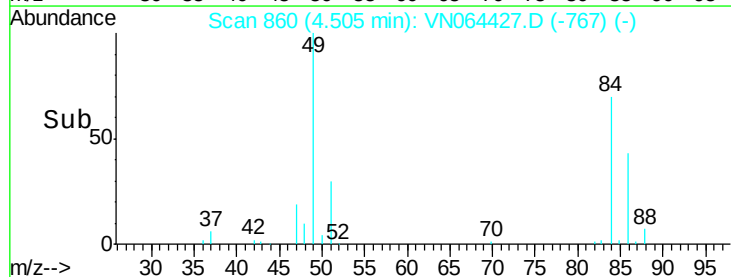
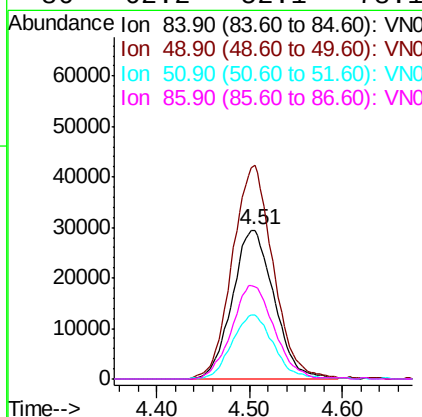
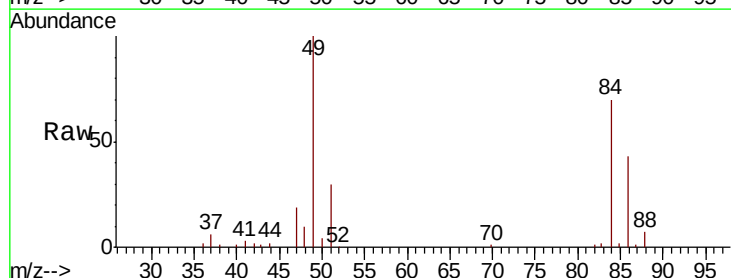
Manual Integrations
APPROVED

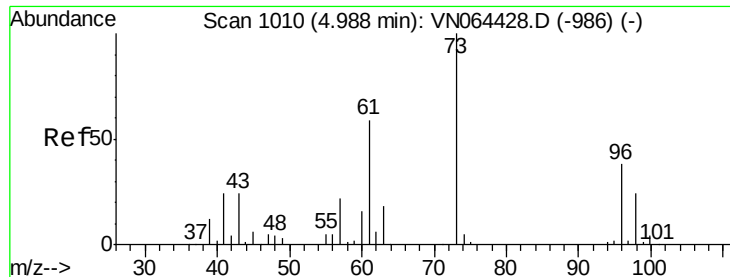
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#20
Methylene Chloride
Concen: 21.604 ug/l
RT: 4.51 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion: 84 Resp: 92457
Ion Ratio Lower Upper
84 100
49 143.2 110.1 165.1
51 42.6 33.6 50.4
86 62.2 52.1 78.1





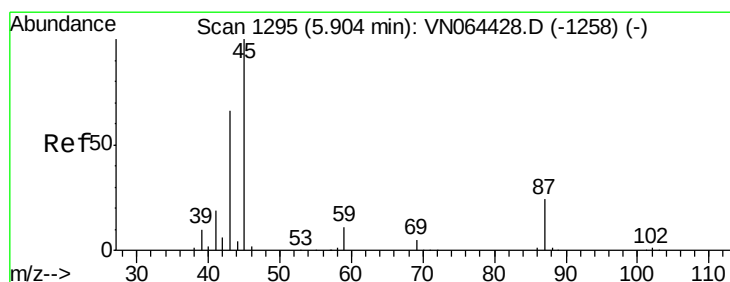
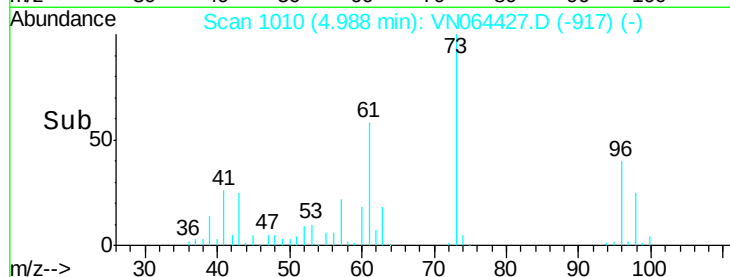
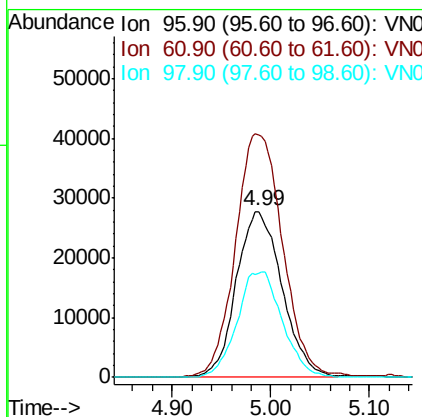
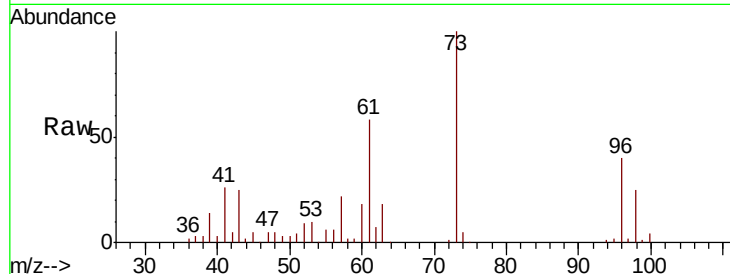
#21
trans-1,2-Dichloroethene
Concen: 22.068 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.9	122.4	183.6
98	62.4	50.4	75.6

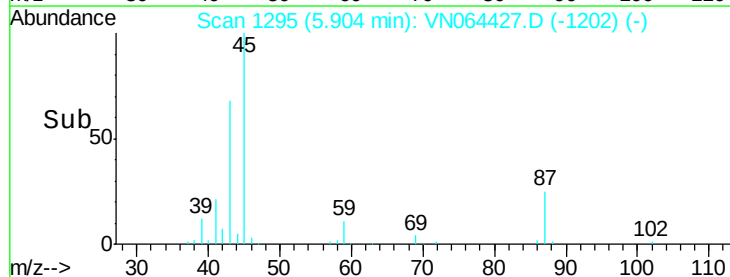
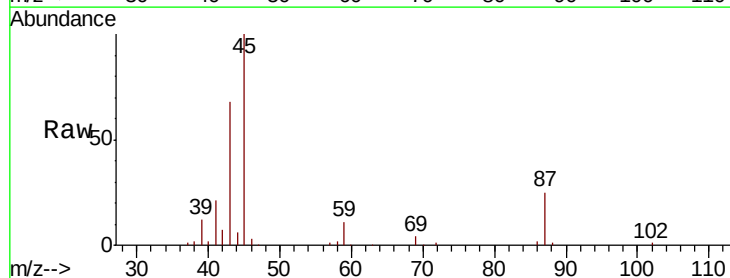
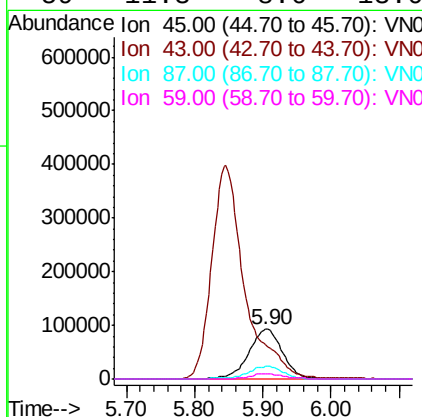
Manual Integrations
APPROVED

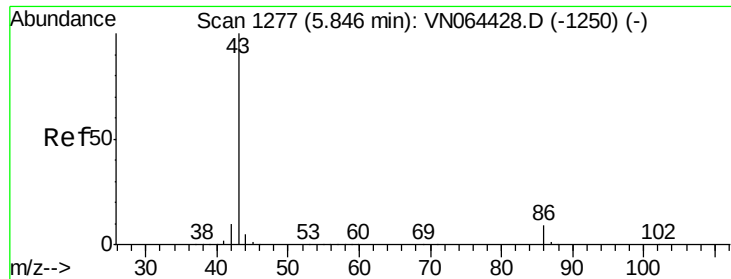
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#22
Diisopropyl ether
Concen: 21.904 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.3	53.2	79.8
87	24.7	19.9	29.9
59	11.3	8.6	13.0





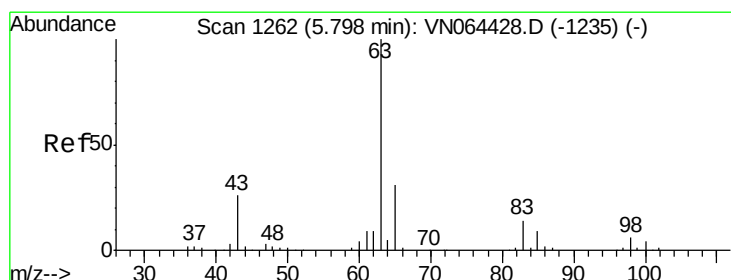
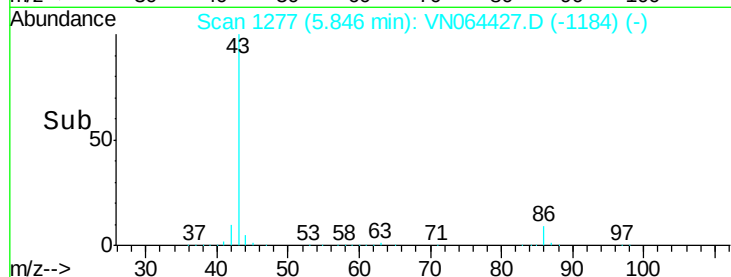
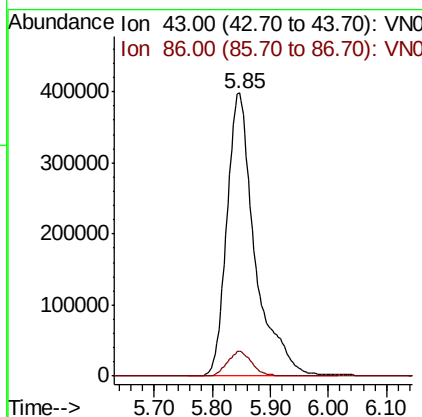
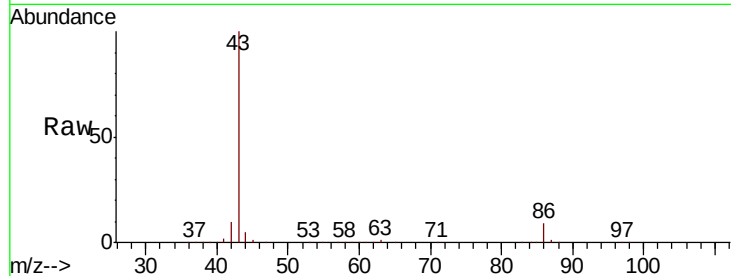
#23
 Vinyl Acetate
 Concen: 110.081 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion: 43 Resp: 1339299
 Ion Ratio Lower Upper
 43 100
 86 8.9 6.8 10.2

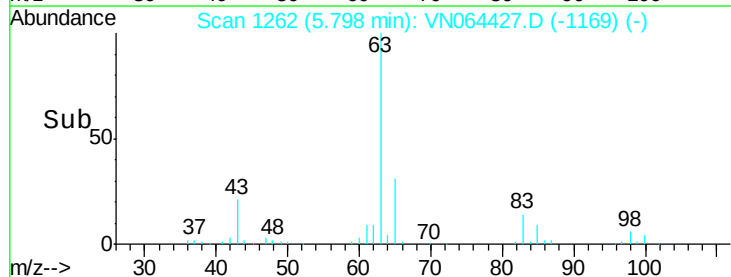
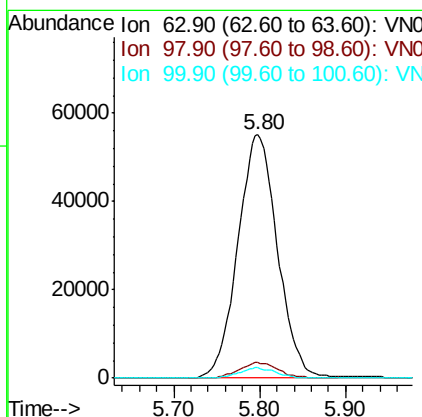
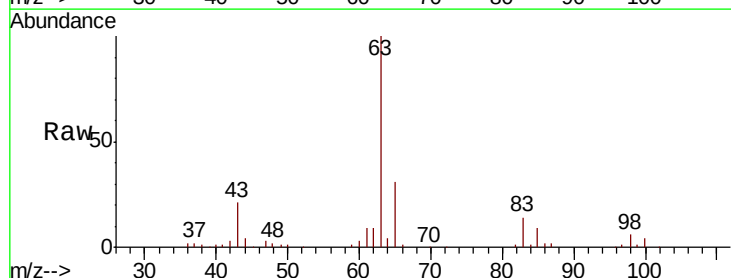
Manual Integrations
 APPROVED

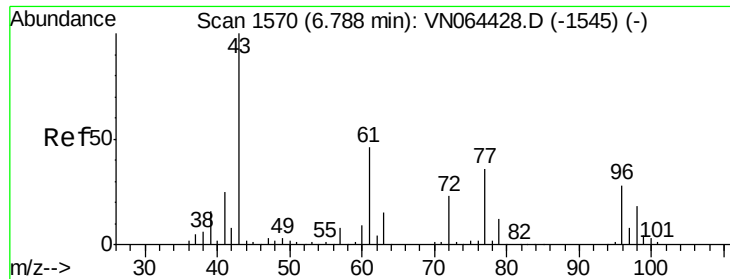
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#24
 1,1-Dichloroethane
 Concen: 21.890 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion: 63 Resp: 176560
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.0 9.2
 100 4.1 1.8 5.3





#25

2-Butanone

Concen: 106.877 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 322610

Ion Ratio Lower Upper

43 100

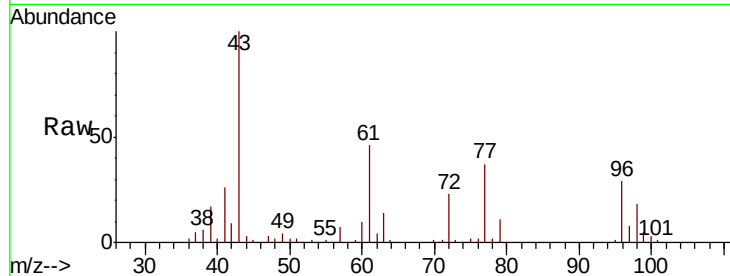
72 23.3 18.5 27.7

Manual Integrations

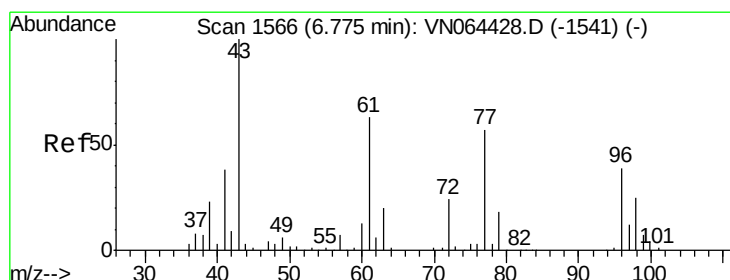
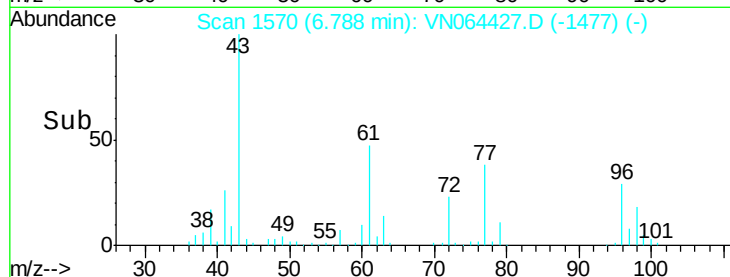
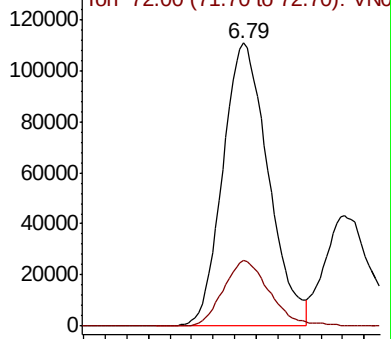
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Abundance Ion 43.00 (42.70 to 43.70): VN064427.D (-1477) (-)



#26

2,2-Dichloropropane

Concen: 20.149 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064427.D

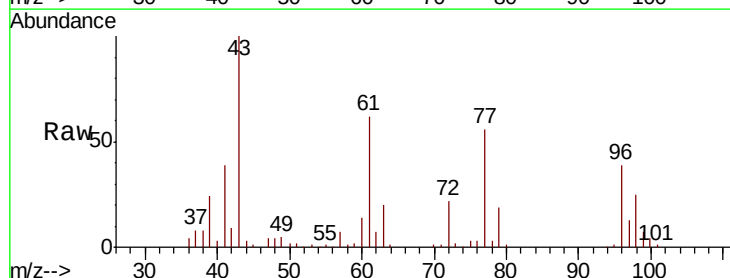
Acq: 4 Nov 2020 10:36

Tgt Ion: 77 Resp: 156754

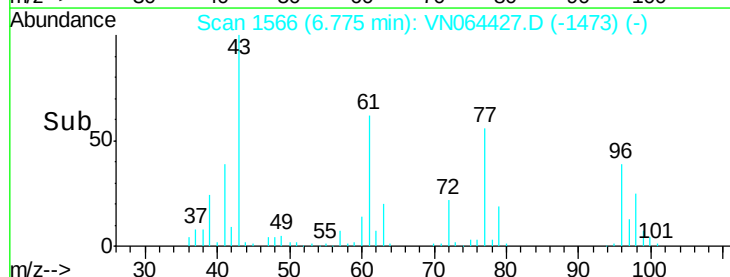
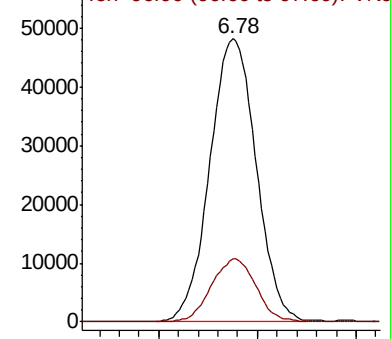
Ion Ratio Lower Upper

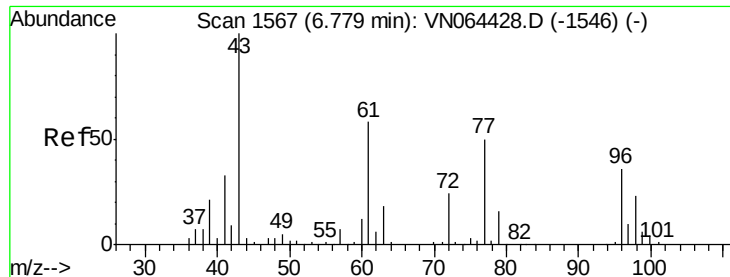
77 100

97 21.4 10.2 30.6



Abundance Ion 76.90 (76.60 to 77.60): VN064427.D (-1473) (-)





#27

cis-1,2-Dichloroethene

Concen: 21.730 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

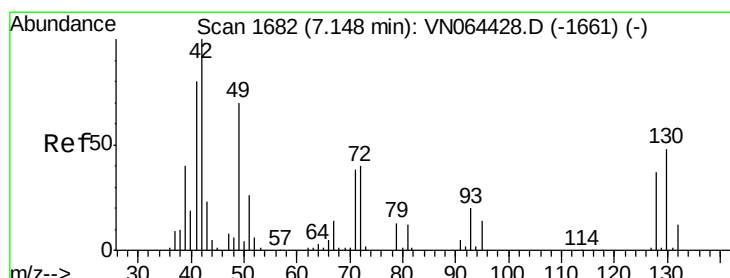
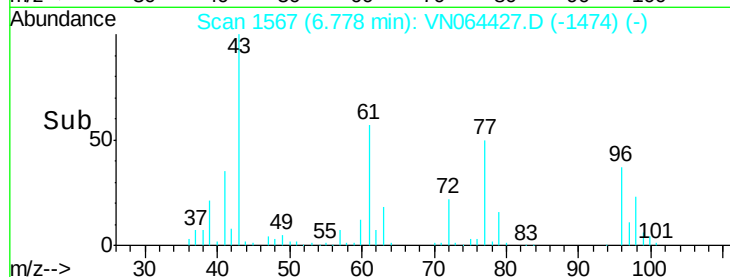
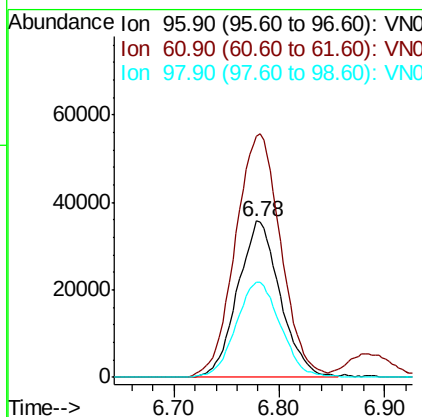
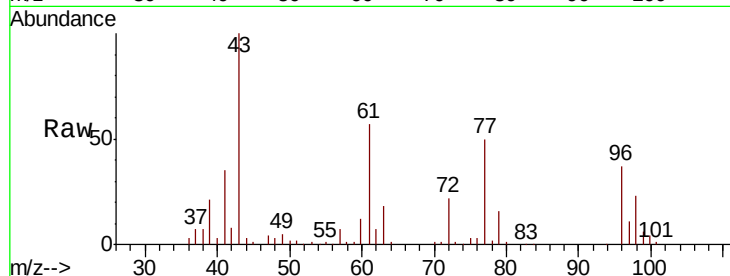
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	100164
Ion	Ratio	Lower	Upper
96	100		
61	166.3	0.0	329.6
98	63.4	0.0	131.2

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#28

Bromochloromethane

Concen: 24.749 ug/l

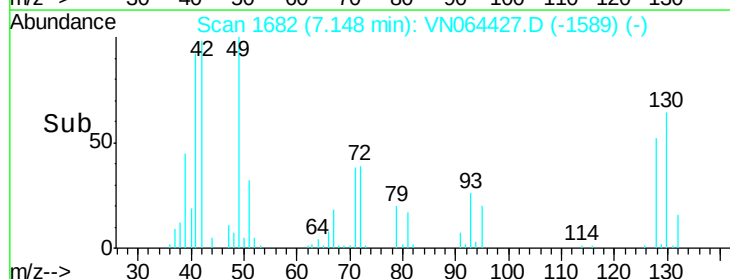
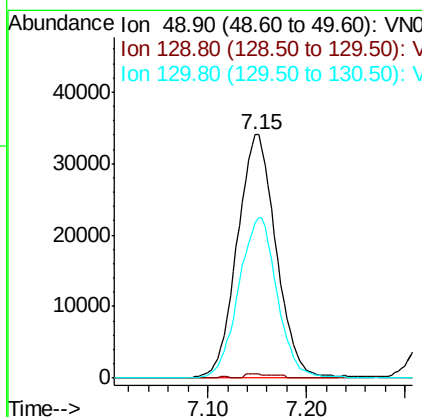
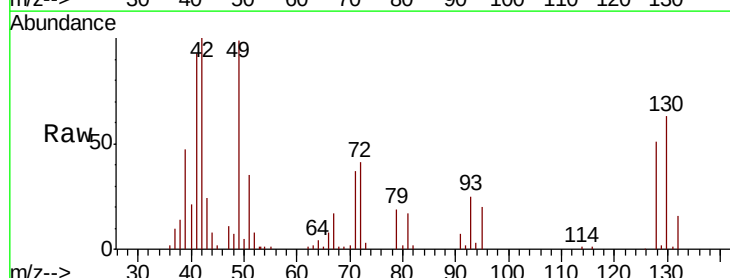
RT: 7.15 min Scan# 1682

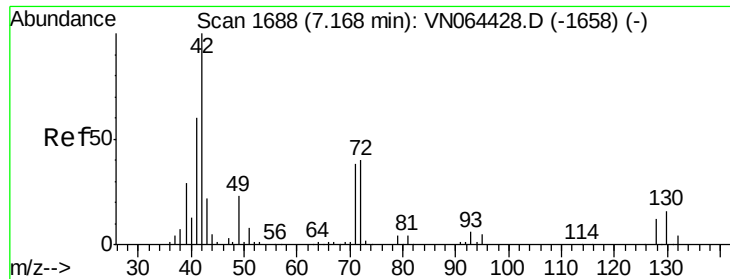
Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Tgt Ion:	49	Resp:	92759
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.6
130	65.1	54.2	81.4





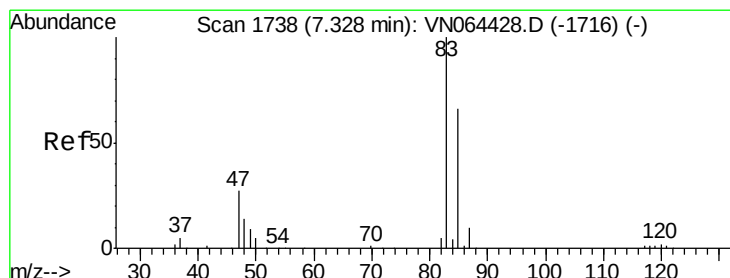
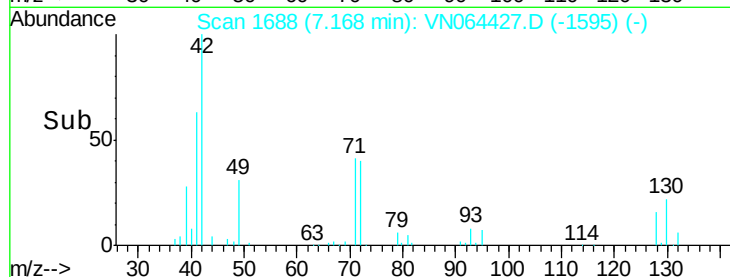
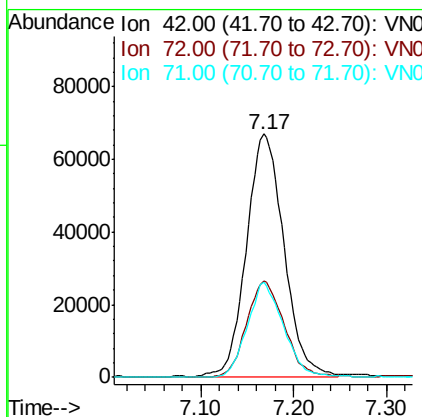
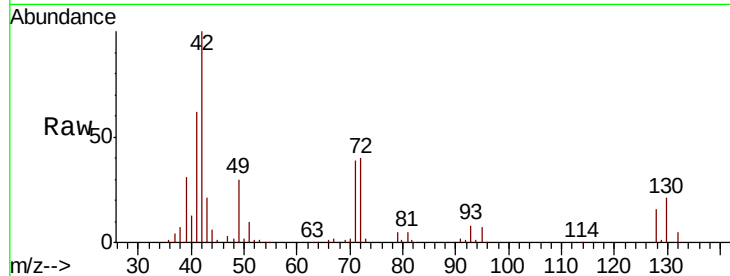
#29
Tetrahydrofuran
Concen: 96.798 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	31.7	47.5
71	37.8	29.8	44.6

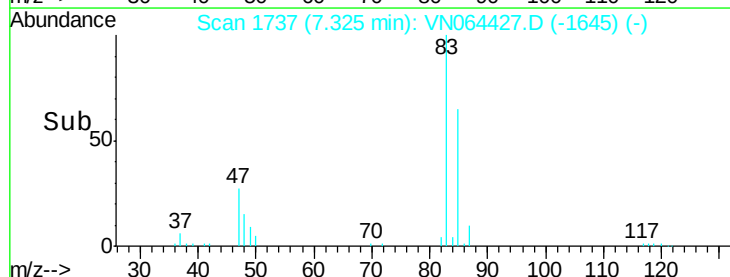
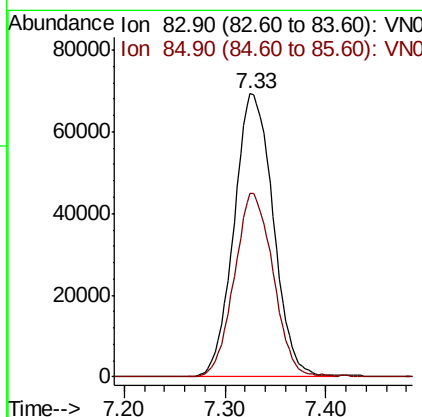
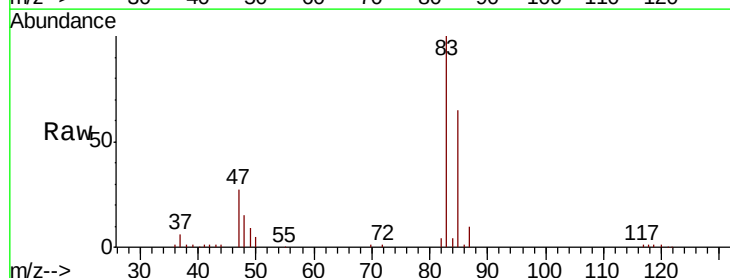
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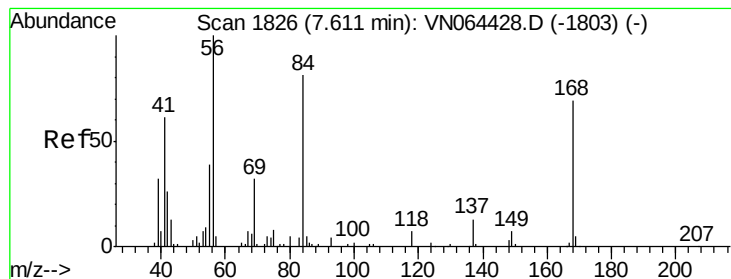
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#30
Chloroform
Concen: 21.684 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.5	78.7





#31

Cyclohexane

Concen: 20.546 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

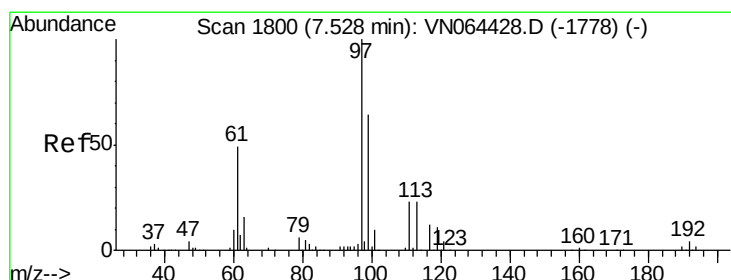
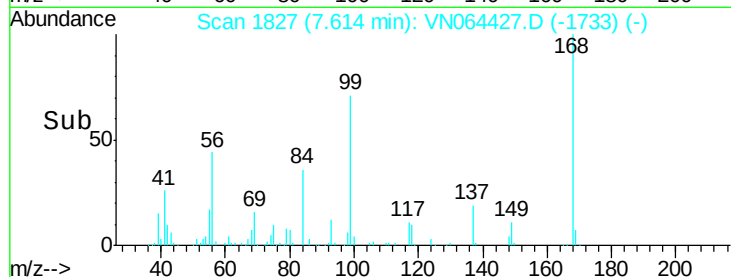
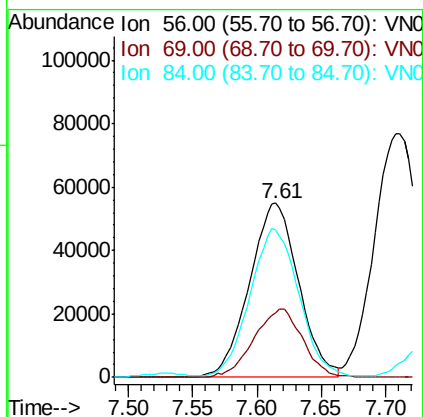
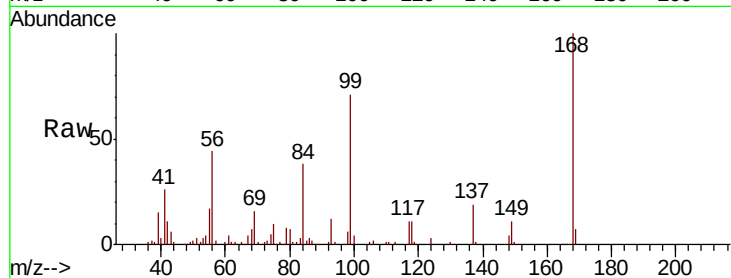
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	145492
Ion Ratio	Lower	Upper	
56	100		
69	37.1	25.6	38.4
84	83.6	63.0	94.6

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#32

1,1,1-Trichloroethane

Concen: 20.274 ug/l

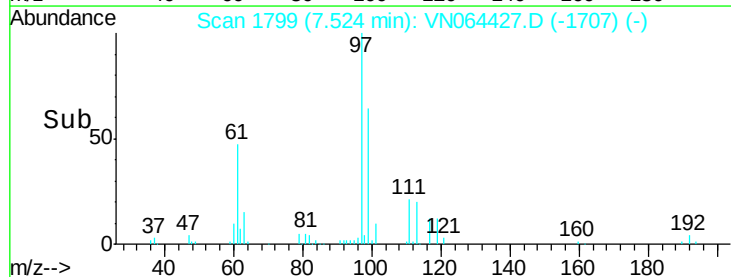
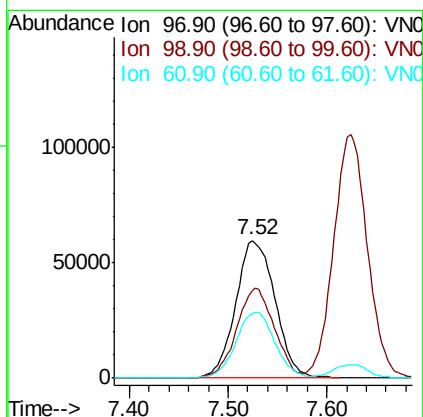
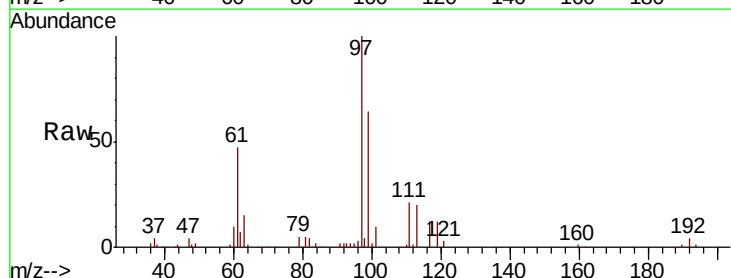
RT: 7.52 min Scan# 1799

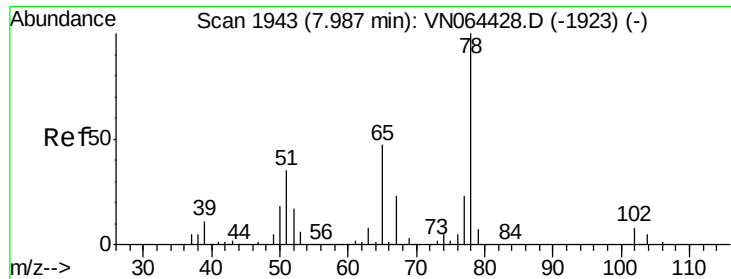
Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Tgt Ion:	97	Resp:	164822
Ion Ratio	Lower	Upper	
97	100		
99	62.7	51.3	76.9
61	47.5	39.1	58.7





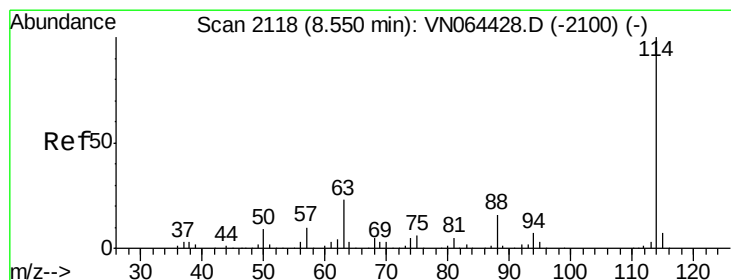
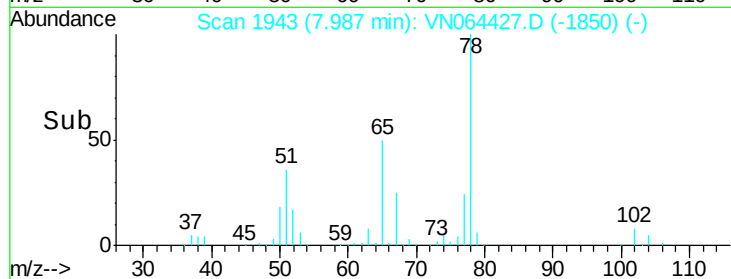
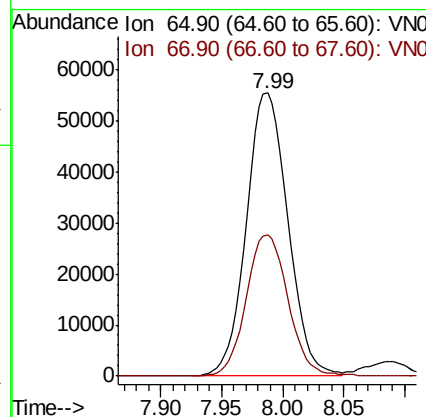
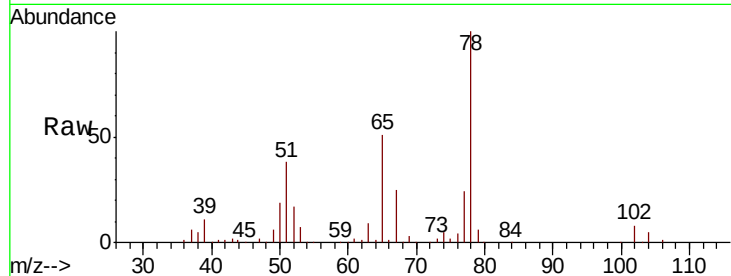
#33
 1,2-Dichloroethane-d4
 Concen: 21.883 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.2	0.0	101.6	

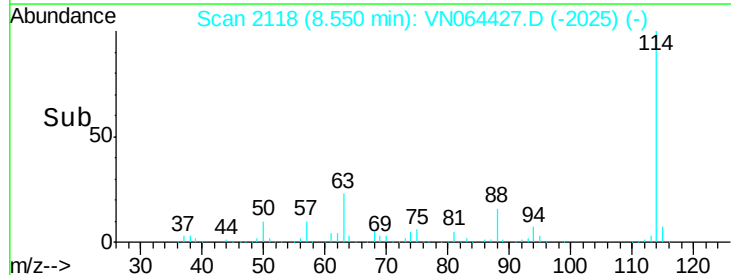
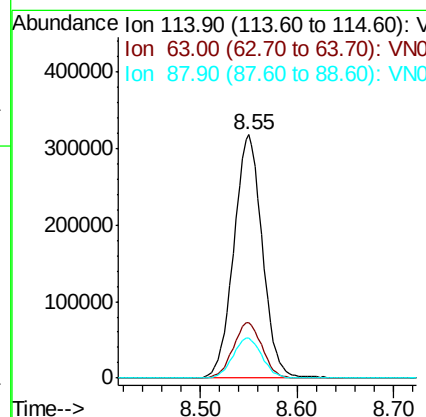
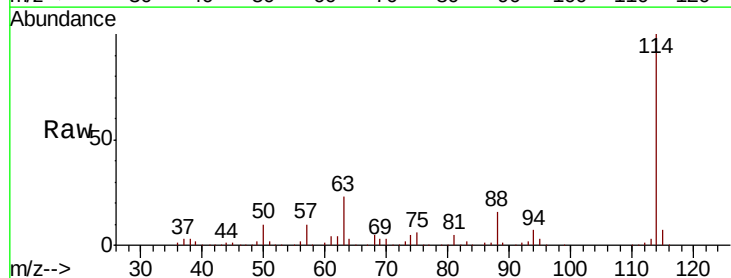
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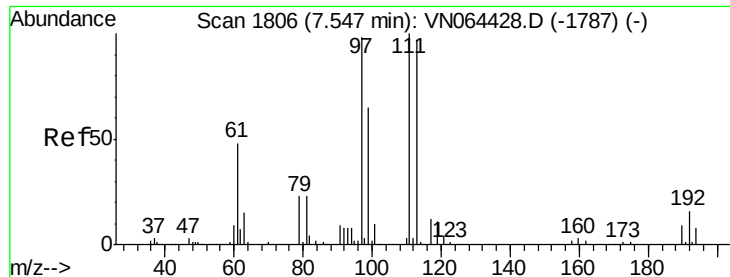
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.8	0.0	45.6	
88	16.3	0.0	32.8	





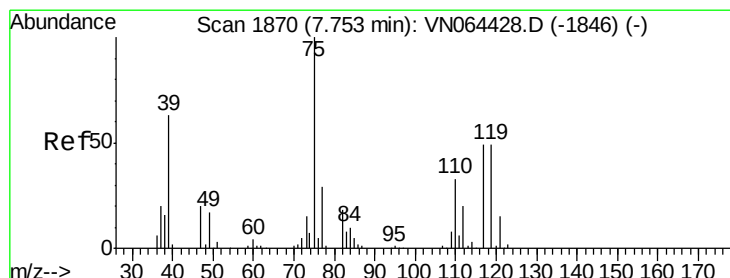
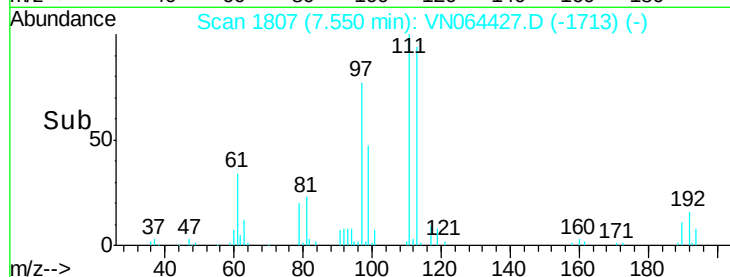
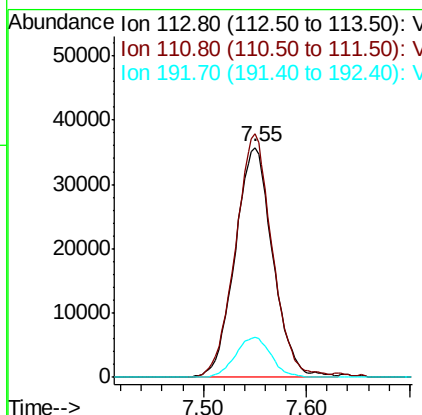
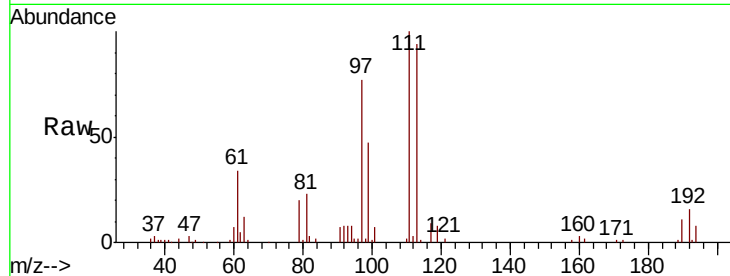
#35
 Dibromofluoromethane
 Concen: 20.965 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.1	121.7
192	16.3	12.8	19.2

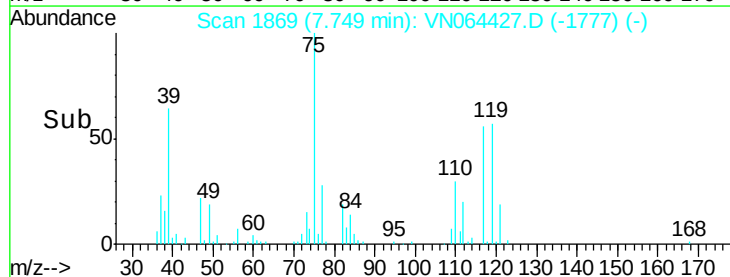
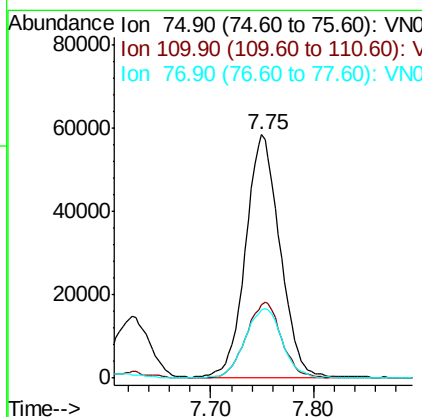
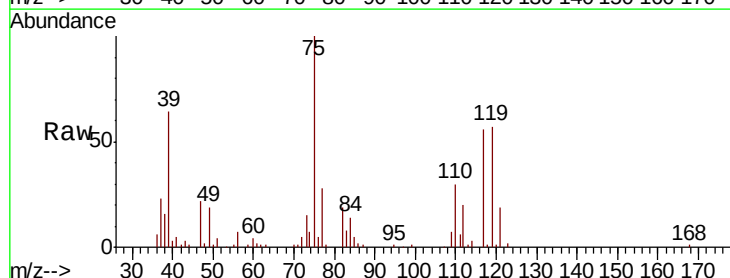
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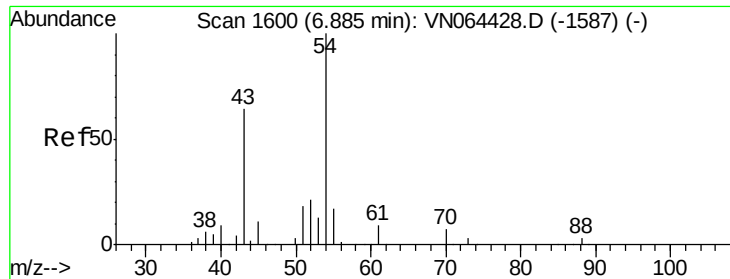
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#36
 1,1-Dichloropropene
 Concen: 19.931 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.4	16.0	48.0
77	31.2	24.0	36.0





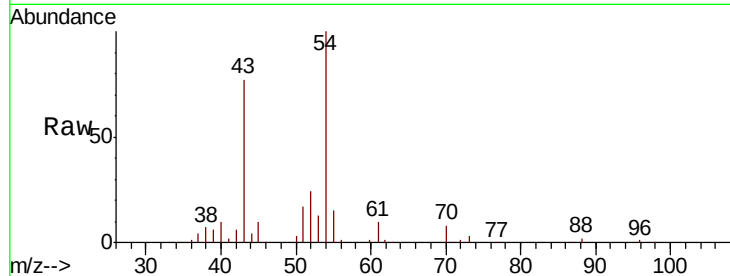
#37
Ethyl Acetate
Concen: 19.545 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.0	15.0
70	9.3	7.1	10.7

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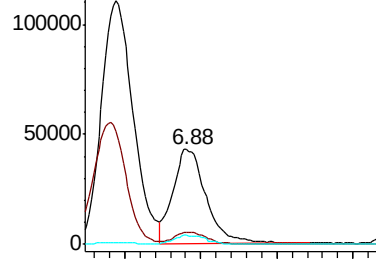


Abundance

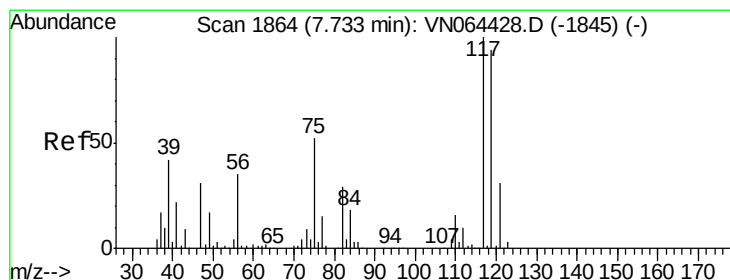
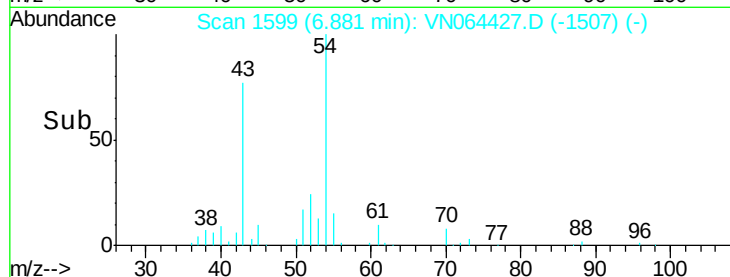
Ion 43.00 (42.70 to 43.70): VN064427.D (-1507) (-)

Ion 60.90 (60.60 to 61.60): VN064427.D (-1507) (-)

Ion 70.00 (69.70 to 70.70): VN064427.D (-1507) (-)

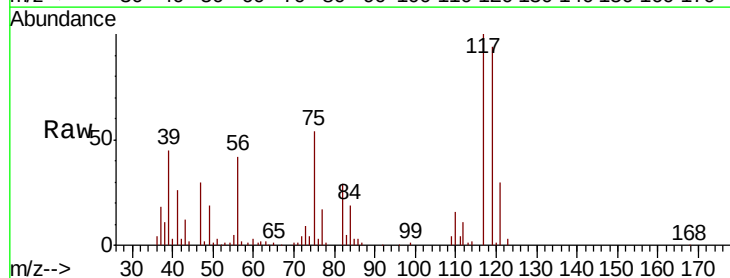


Time-->



#38
Carbon Tetrachloride
Concen: 18.737 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.5	113.3
121	29.7	24.4	36.6

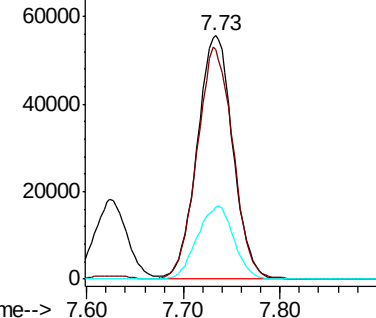


Abundance

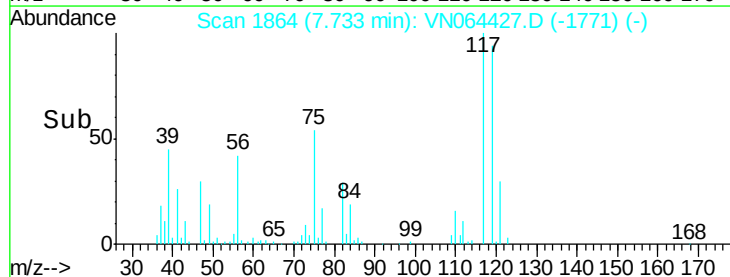
Ion 116.80 (116.50 to 117.50): VN064427.D (-1771) (-)

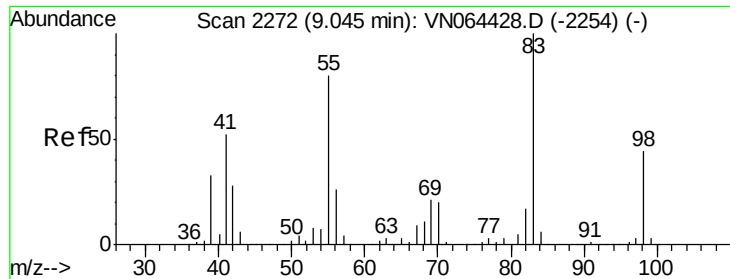
Ion 118.80 (118.50 to 119.50): VN064427.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN064427.D (-1771) (-)



Time-->





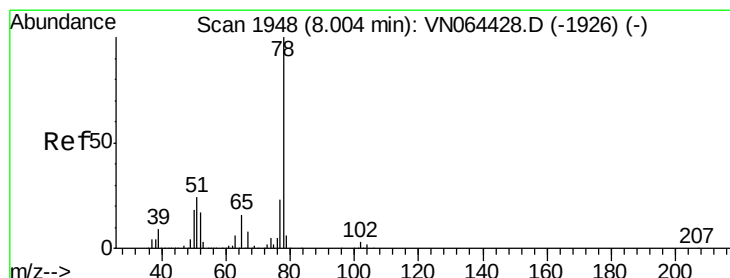
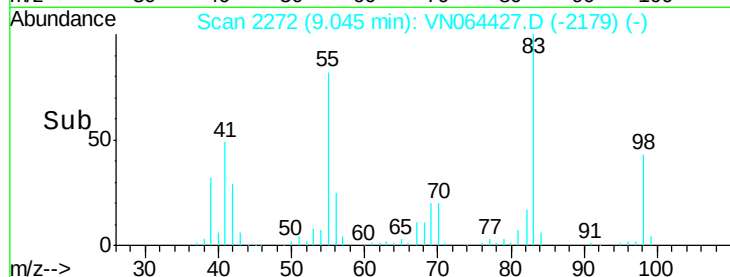
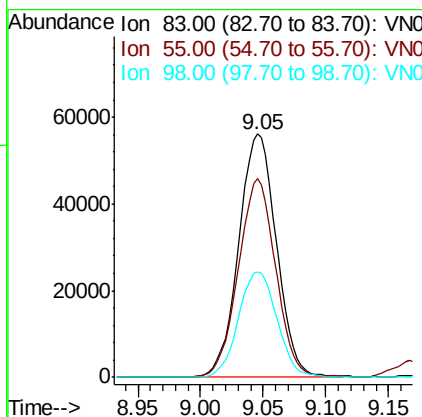
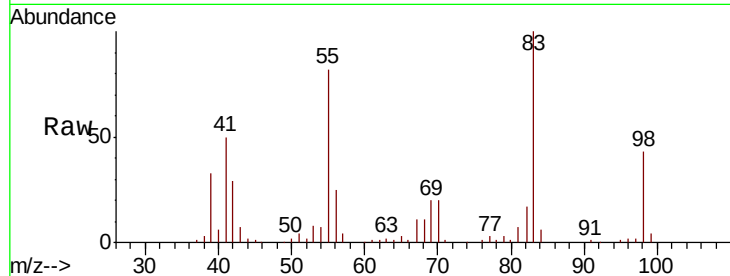
#39
Methylvlcyclohexane
Concen: 17.979 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.9	63.8	95.6
98	43.3	35.4	53.2

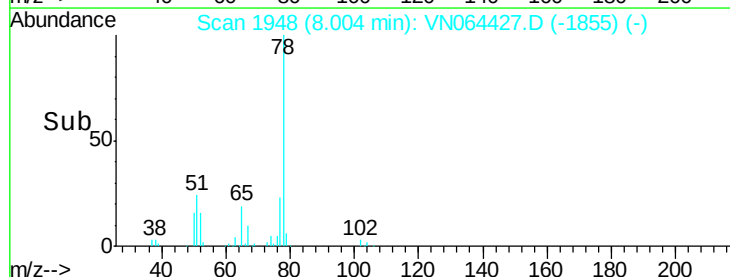
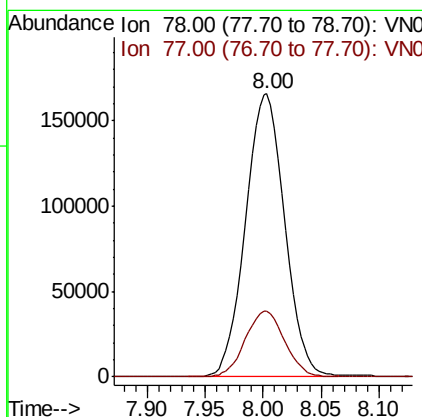
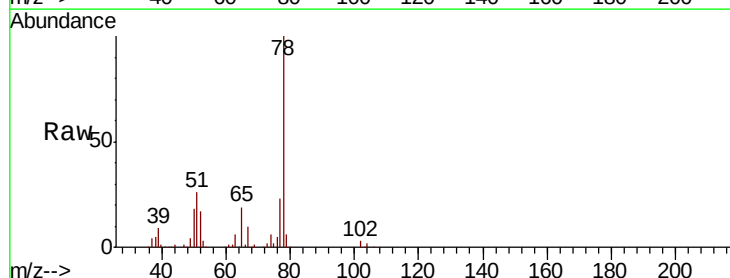
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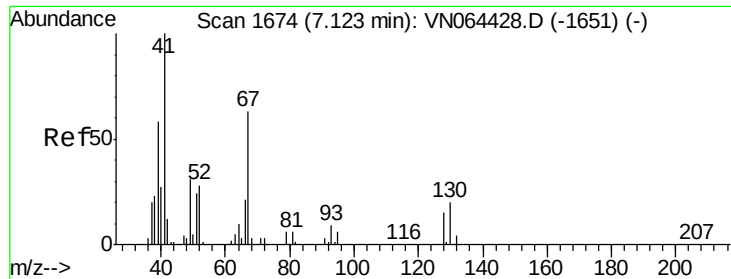
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#40
Benzene
Concen: 20.735 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1





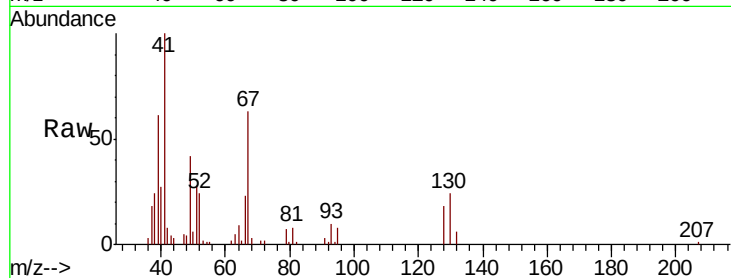
#41
Methacrylonitrile
Concen: 17.459 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

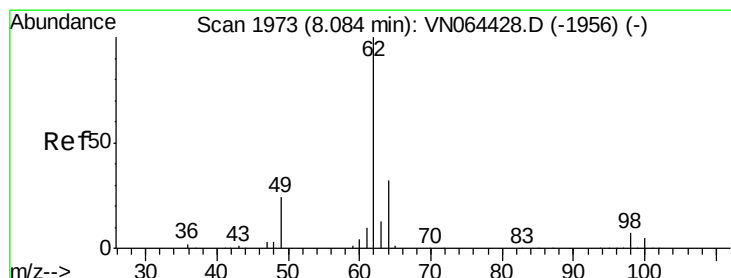
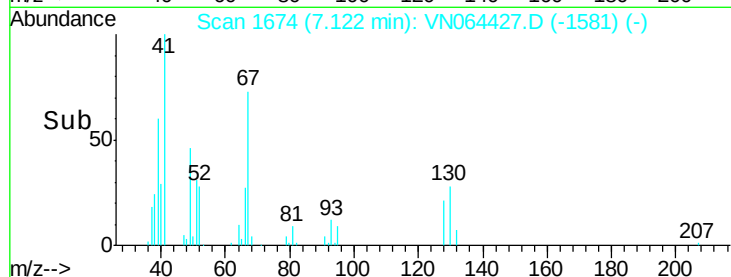
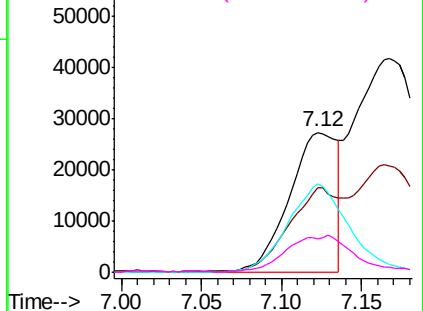
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	69.8	50.0	75.0	
67	80.8	68.3	102.5	
52	37.3	32.7	49.1	

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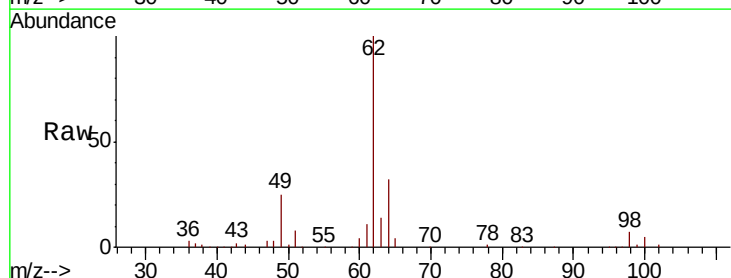


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

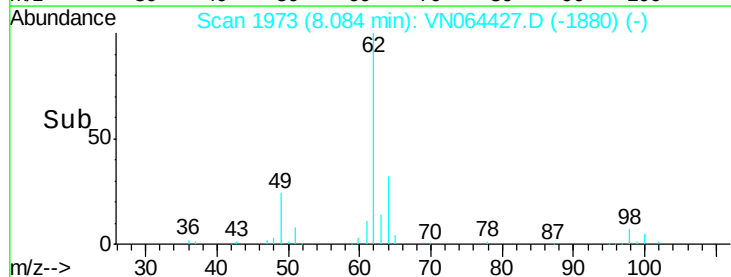
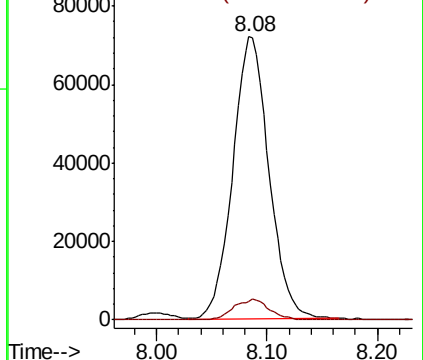


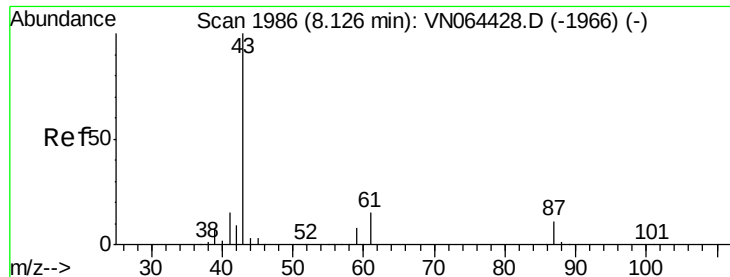
#42
1,2-Dichloroethane
Concen: 20.398 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.3	0.0	14.0	



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.277 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

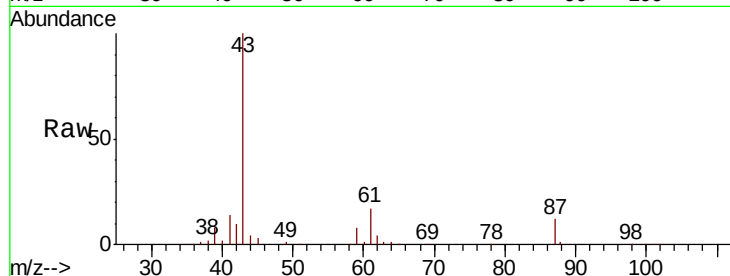
ClientSampleId :

VSTDIC020

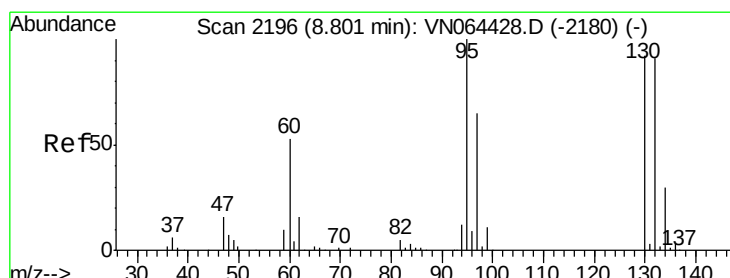
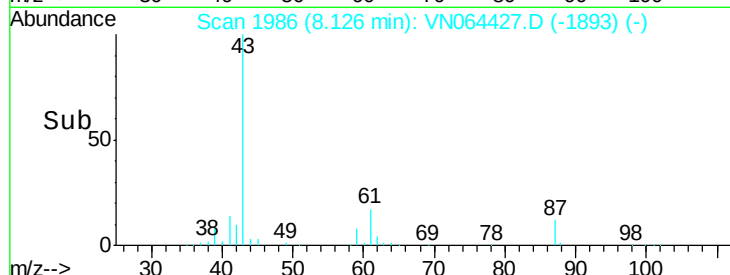
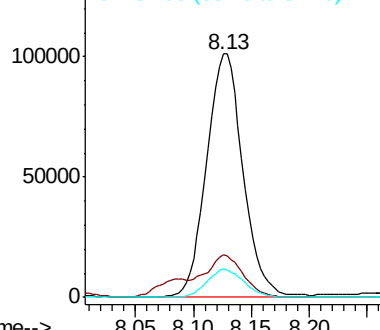
Tot Ion:	43	Resp:	220189
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.0	21.0
87	11.7	9.1	13.7

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Abundance Ion 43.00 (42.70 to 43.70): VN064427.D (-2103) (-)



#44

Trichloroethene

Concen: 20.587 ug/l

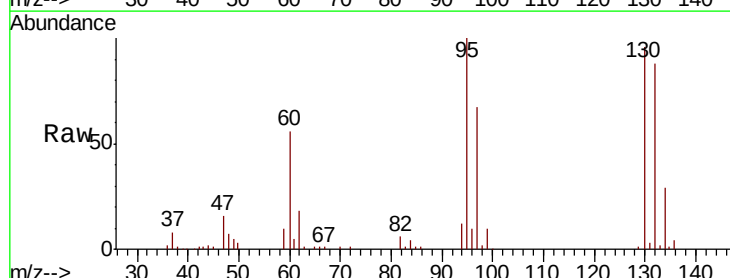
RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

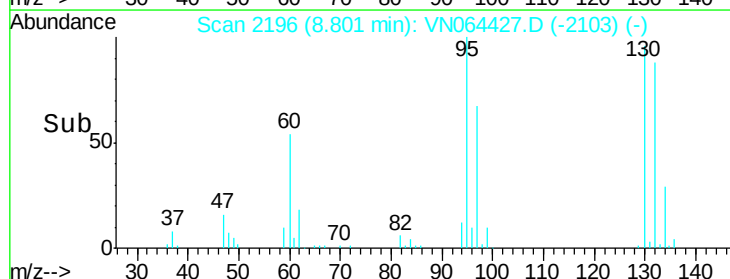
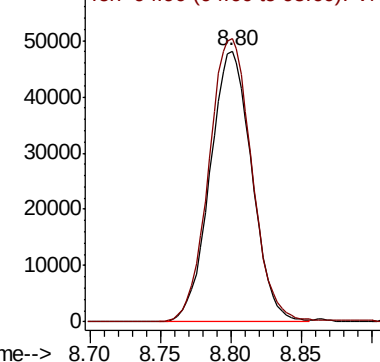
Lab File: VN064427.D

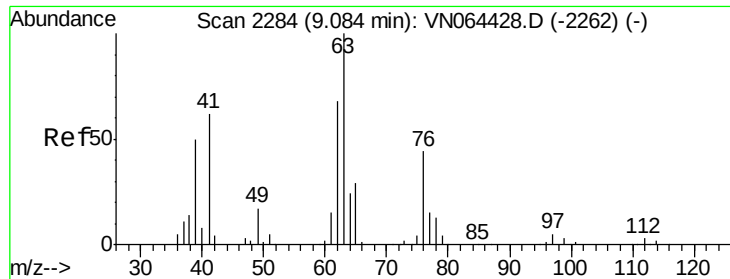
Acq: 4 Nov 2020 10:36

Tgt Ion:	130	Resp:	99911
Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	216.8



Abundance Ion 129.80 (129.50 to 130.50): VN064427.D (-2103) (-)





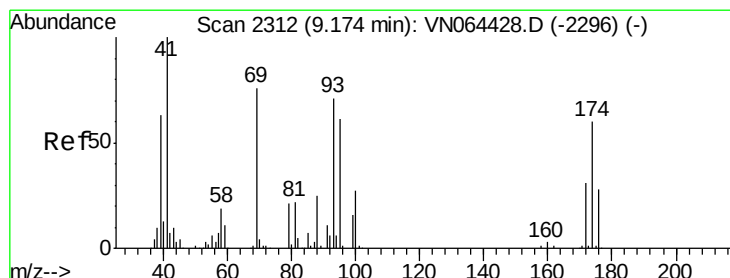
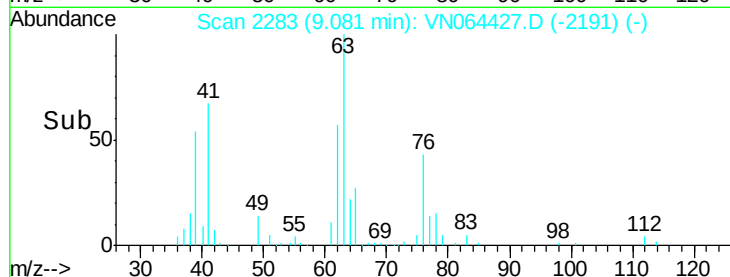
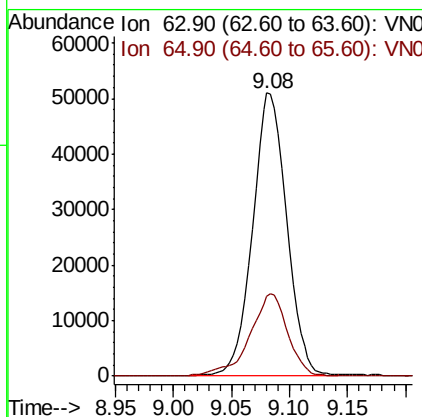
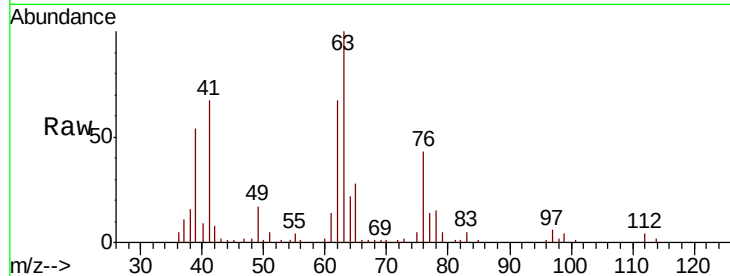
#45
 1,2-Dichloropropane
 Concen: 20.815 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion: 63 Resp: 104957
 Ion Ratio Lower Upper
 63 100
 65 28.3 23.6 35.4

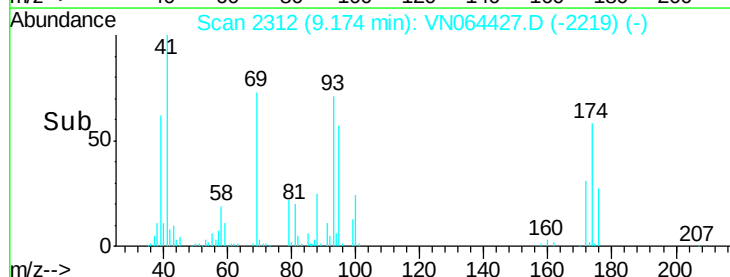
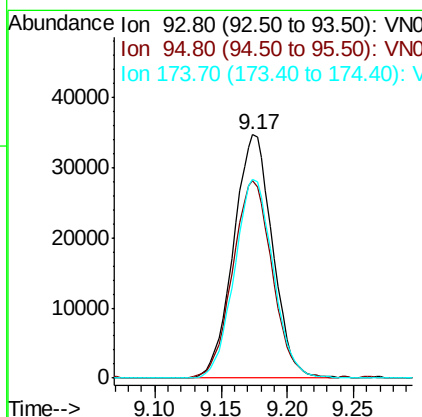
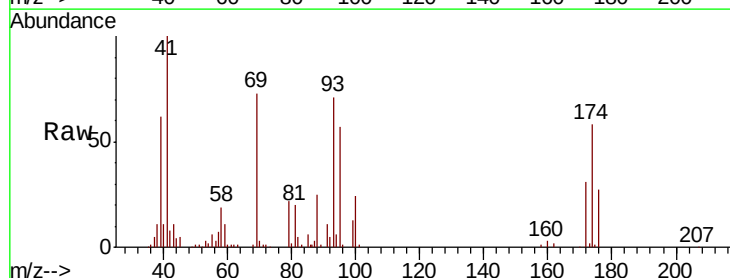
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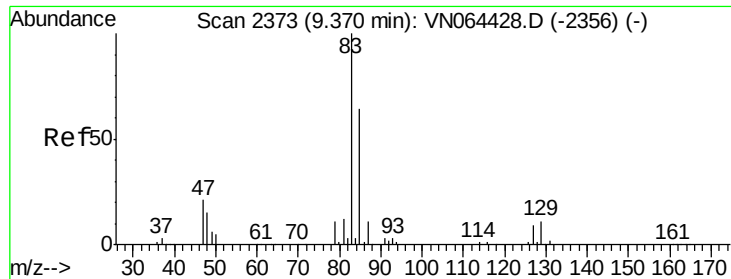
MMDadoda
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#46
 Dibromomethane
 Concen: 20.508 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion: 93 Resp: 70987
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.4 99.6
 174 81.0 67.2 100.8





#47

Bromodichloromethane

Concen: 19.376 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

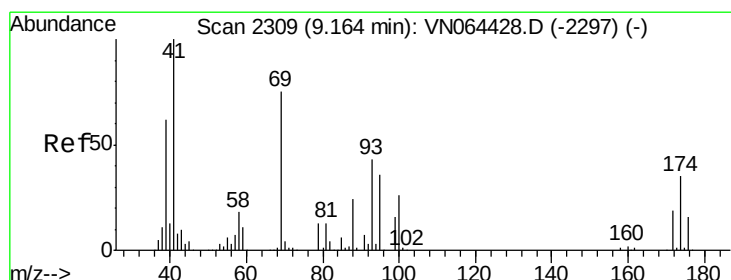
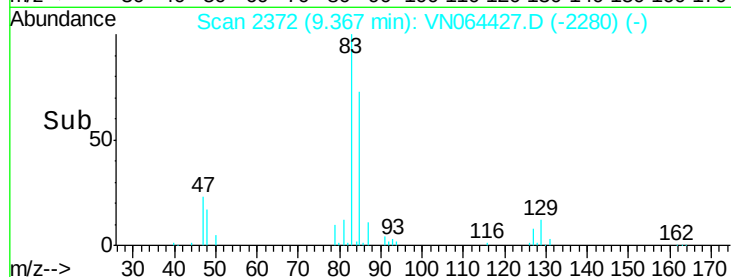
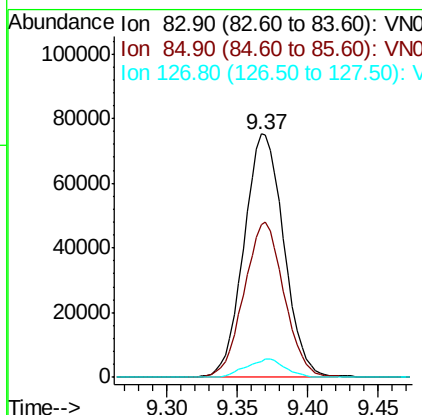
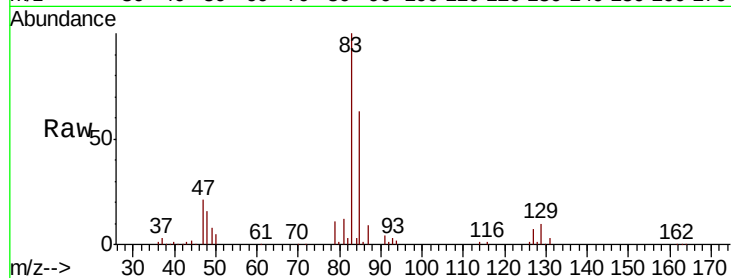
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	148931
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.2	76.8
127	6.7	6.9	10.3#

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#48

Methyl methacrylate

Concen: 18.811 ug/l

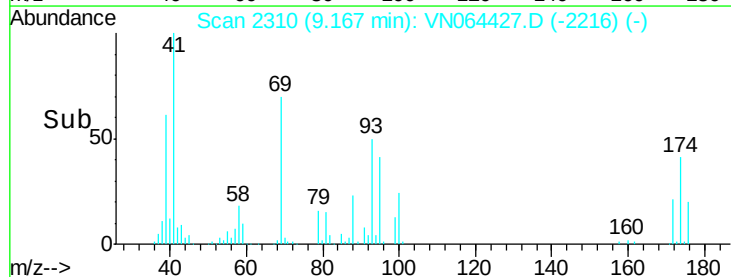
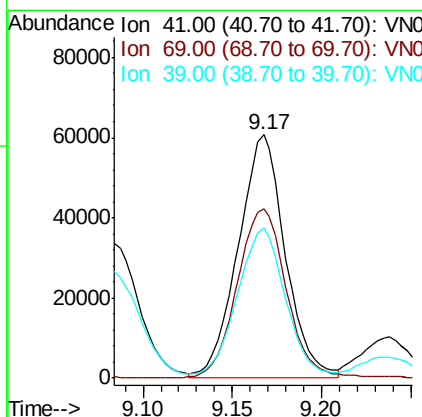
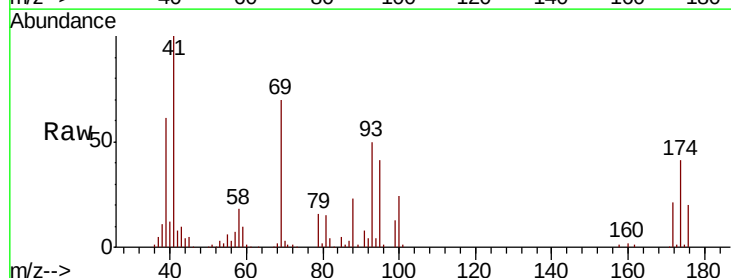
RT: 9.17 min Scan# 2310

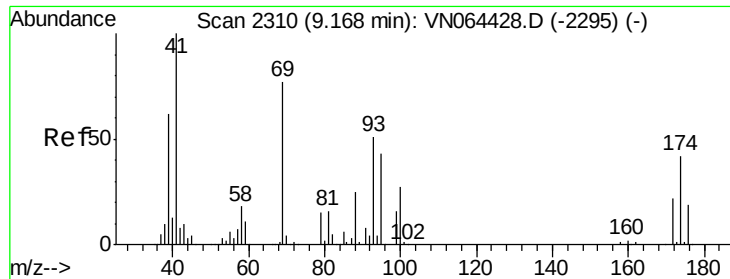
Delta R.T. 0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Tgt Ion:	41	Resp:	110986
Ion Ratio	Lower	Upper	
41	100		
69	73.2	60.4	90.6
39	63.5	51.2	76.8





#49

1,4-Dioxane

Concen: 355.757 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 88 Resp: 30243

Ion Ratio Lower Upper

88 100

43 39.6 31.0 46.6

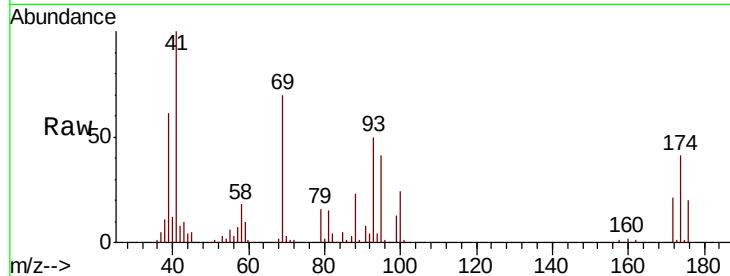
58 74.7 58.4 87.6

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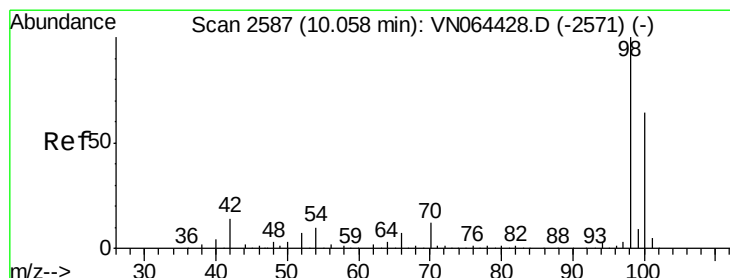
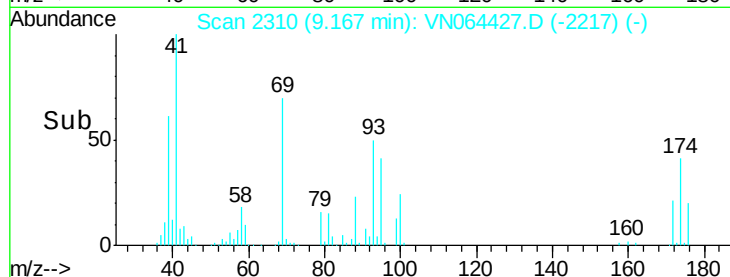
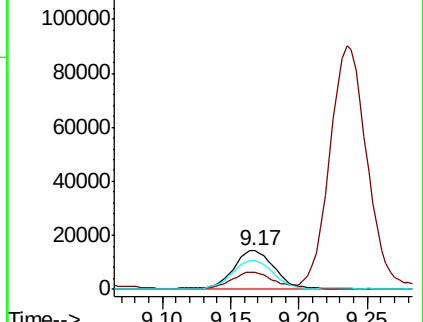
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Abundance Ion 88.00 (87.70 to 88.70): VN064427.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN064427.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN064427.D (-2217) (-)



#50

Toluene-d8

Concen: 20.790 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064427.D

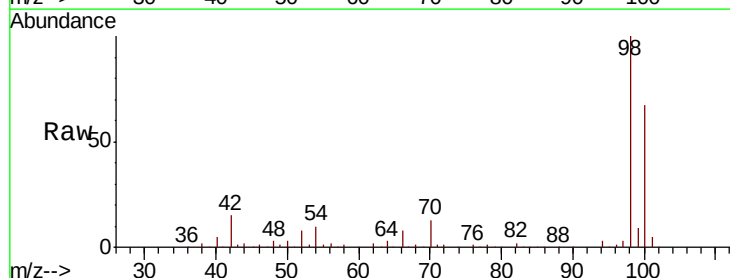
Acq: 4 Nov 2020 10:36

Tgt Ion: 98 Resp: 338881

Ion Ratio Lower Upper

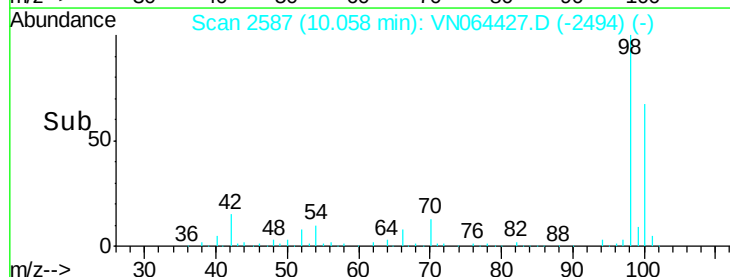
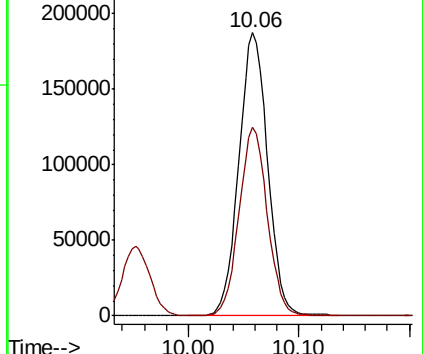
98 100

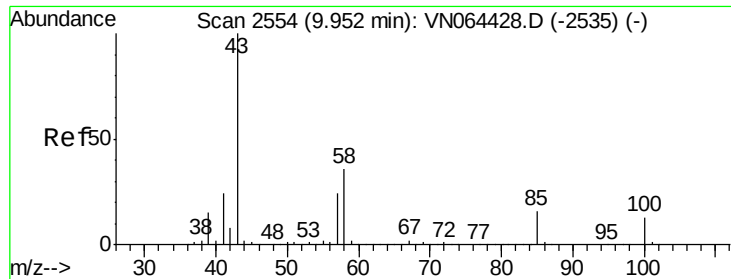
100 65.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064427.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN064427.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 97.804 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 653001

Ion Ratio Lower Upper

43 100

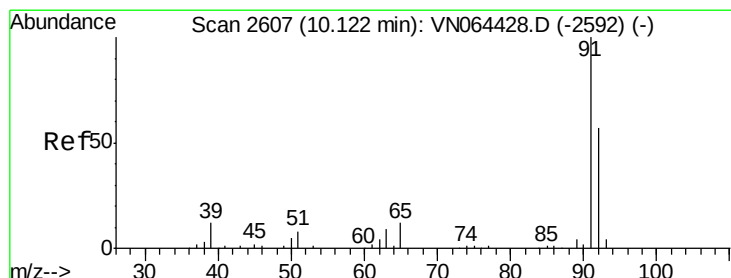
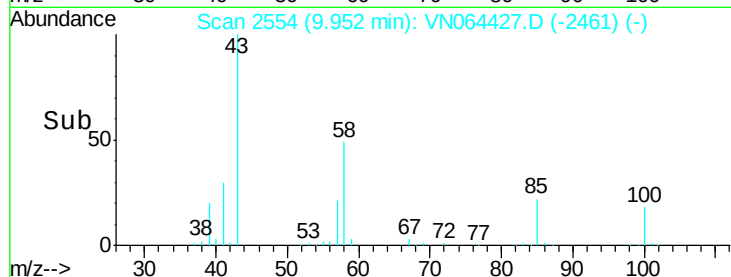
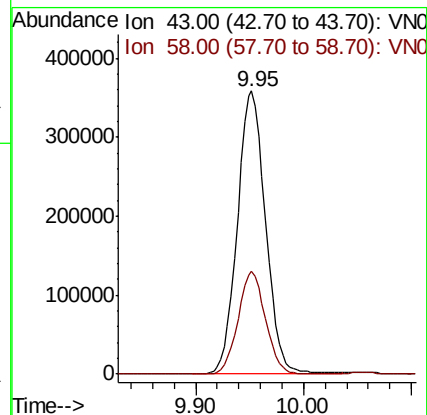
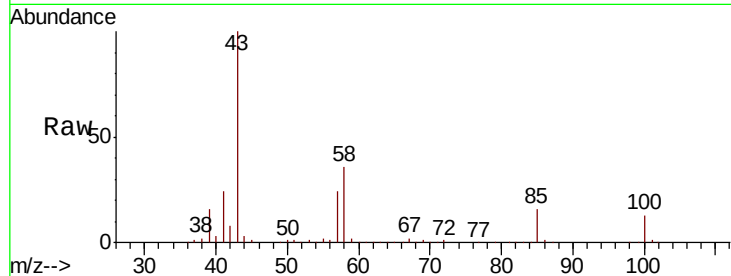
58 35.3 28.4 42.6

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#52

Toluene

Concen: 20.657 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064427.D

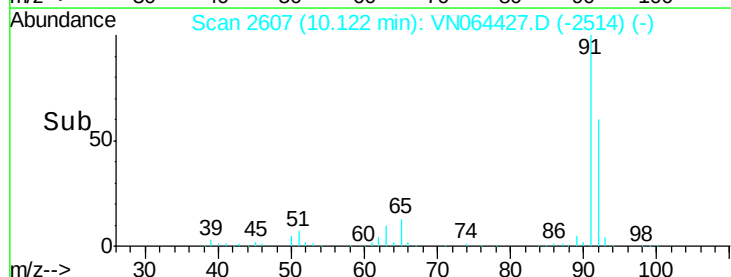
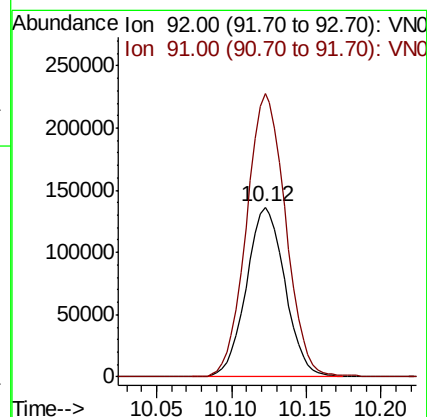
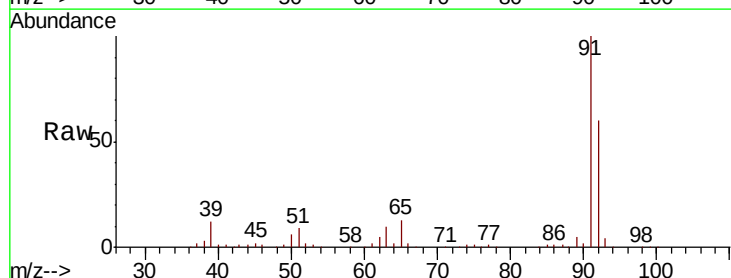
Acq: 4 Nov 2020 10:36

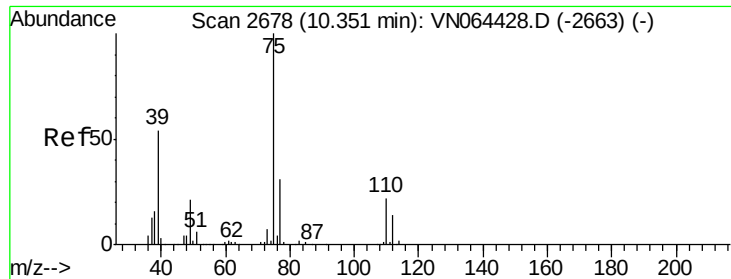
Tgt Ion: 92 Resp: 244639

Ion Ratio Lower Upper

92 100

91 169.9 139.6 209.4





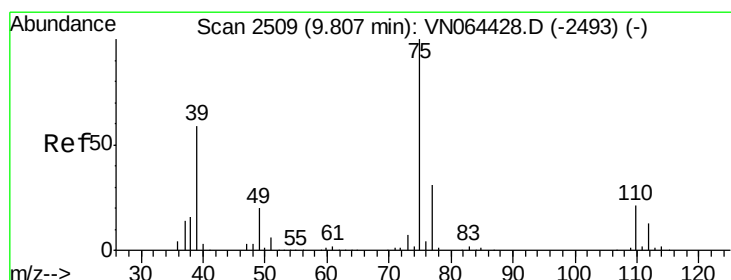
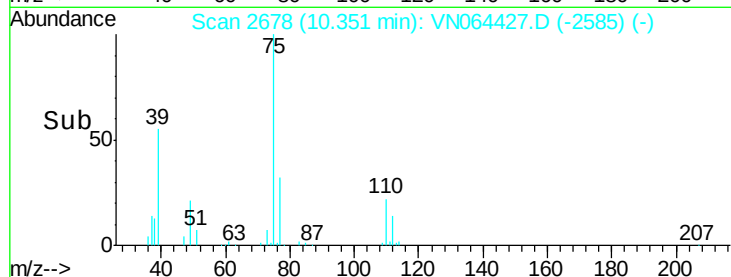
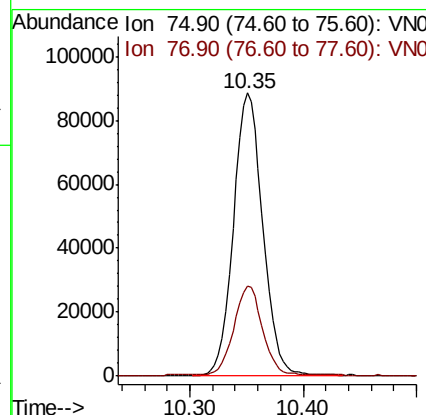
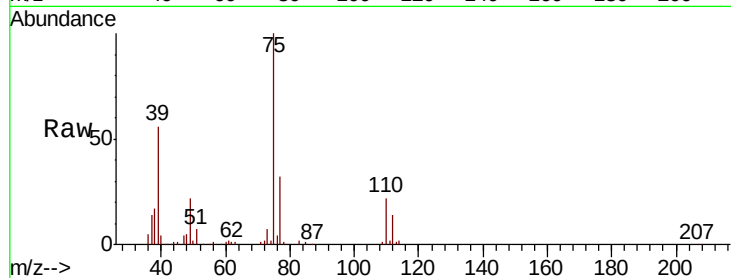
#53
t-1,3-Dichloropropene
Concen: 19.560 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.8	37.2

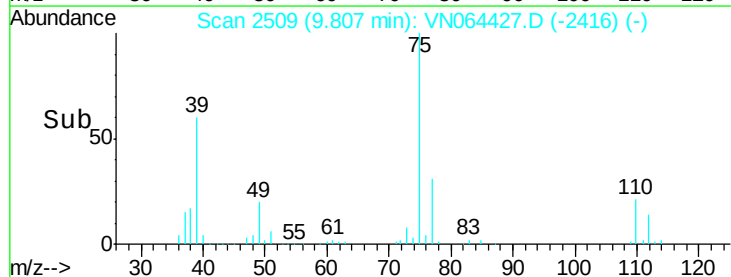
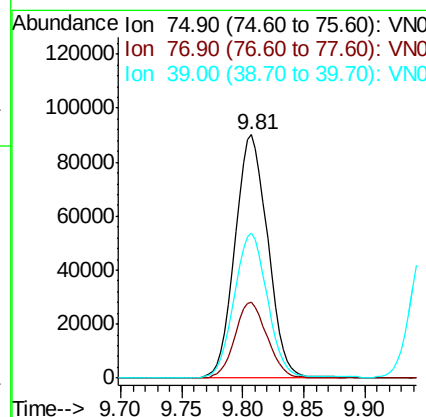
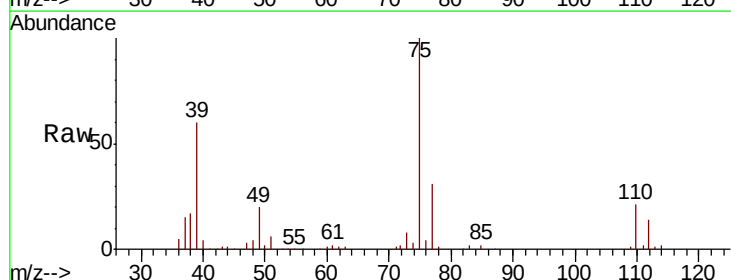
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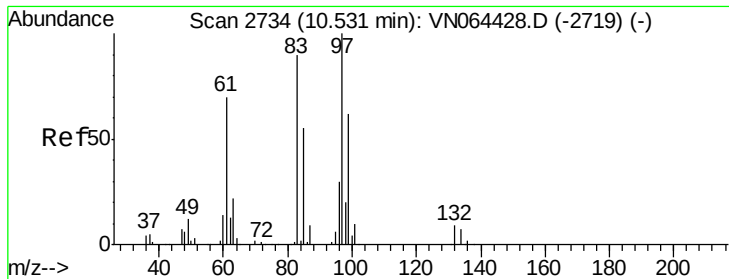
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#54
cis-1,3-Dichloropropene
Concen: 20.092 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.9	37.3
39	59.3	47.1	70.7





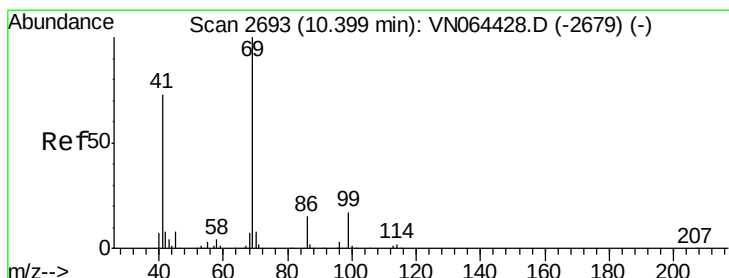
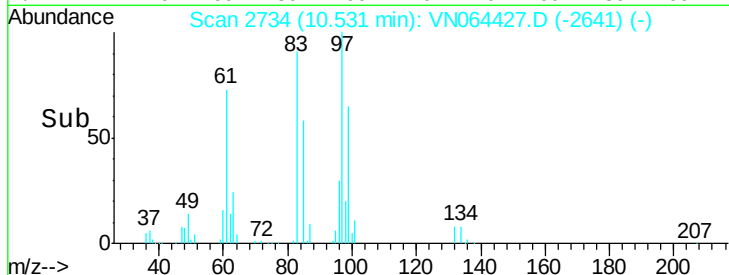
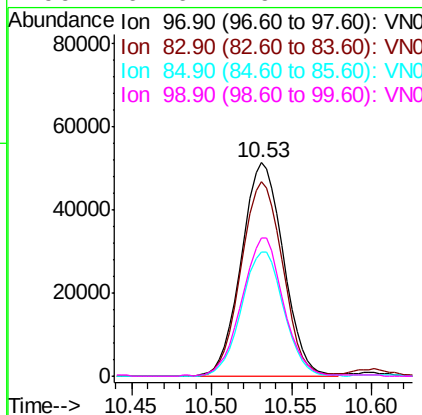
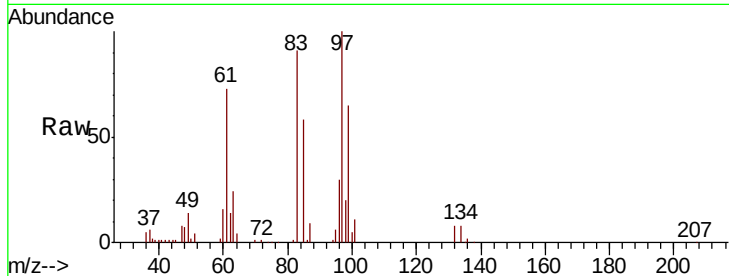
#55
 1,1,2-Trichloroethane
 Concen: 19.852 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	92334
Ion	Ratio	Lower	Upper
97	100		
83	91.0	71.7	107.5
85	58.3	44.3	66.5
99	64.6	49.4	74.2

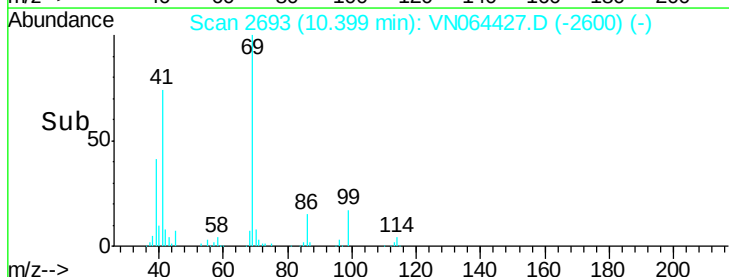
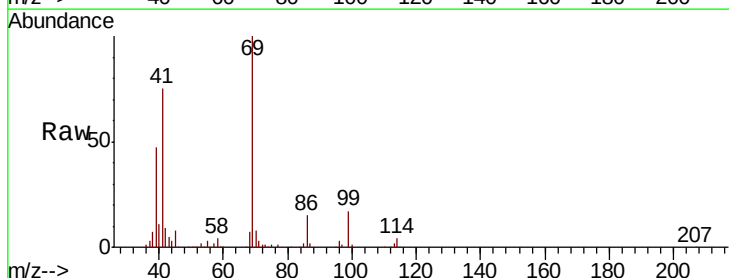
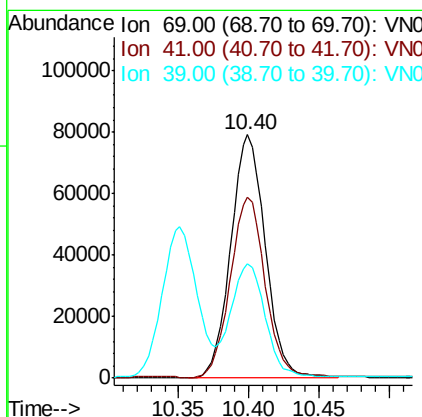
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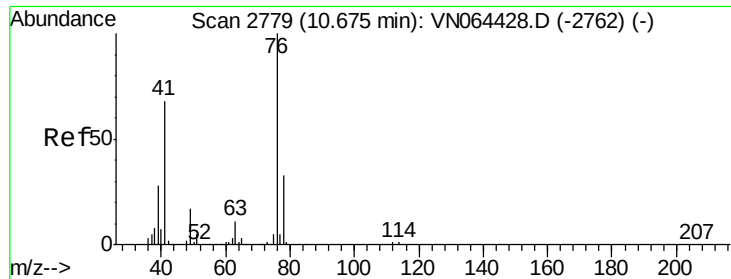
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#56
 Ethyl methacrylate
 Concen: 19.414 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion:	69	Resp:	136110
Ion	Ratio	Lower	Upper
69	100		
41	74.0	59.3	88.9
39	46.3	35.4	53.0





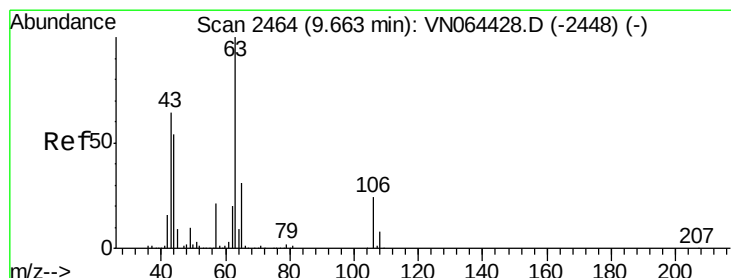
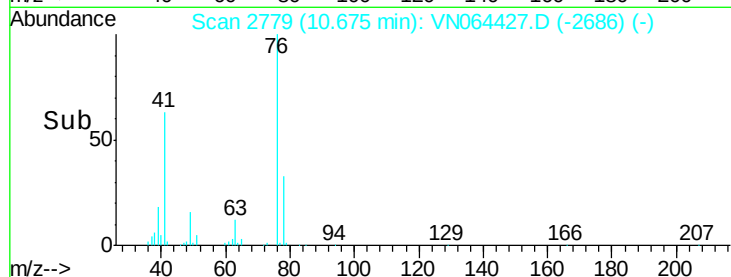
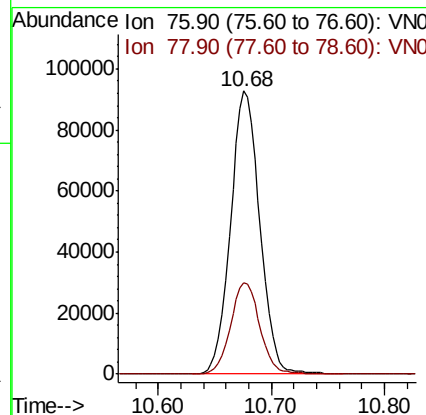
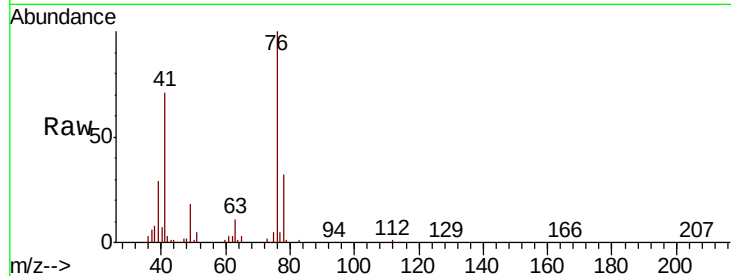
#57
 1,3-Dichloropropane
 Concen: 20.996 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

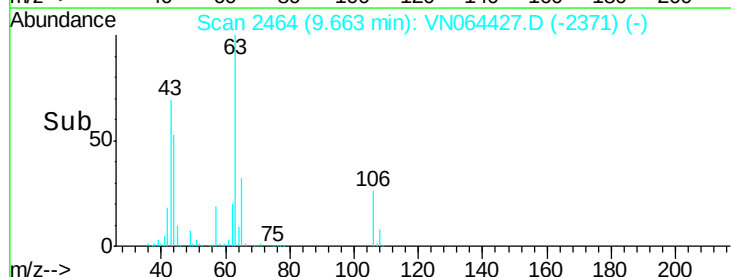
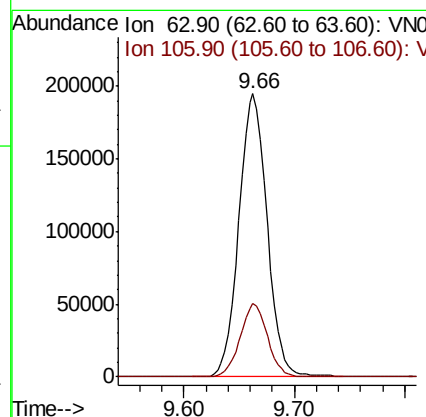
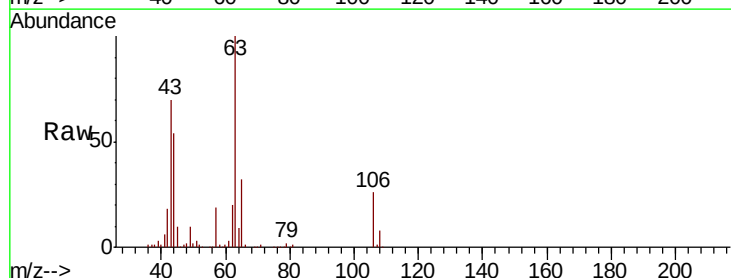
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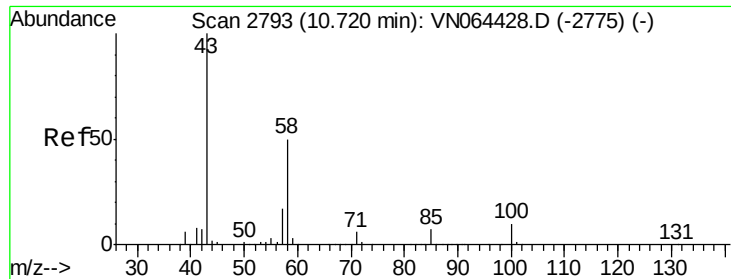
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#58
 2-Chloroethyl Vinyl ether
 Concen: 94.653 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.2	19.5	29.3





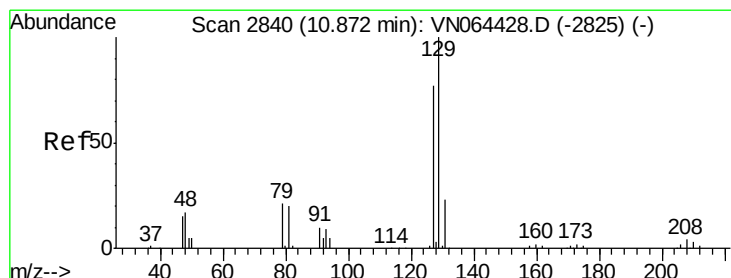
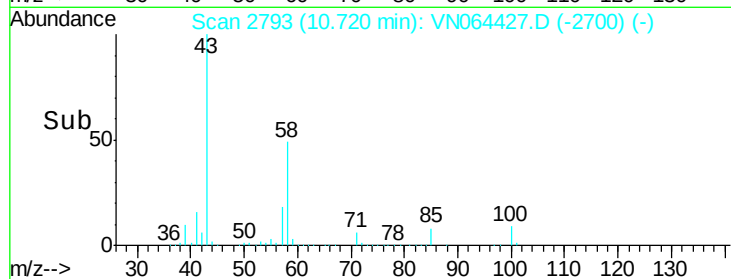
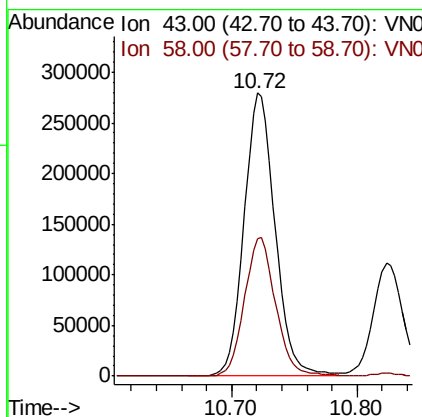
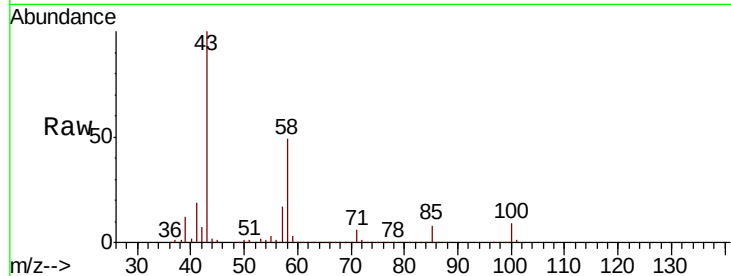
#59
2-Hexanone
Concen: 97.603 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 478944
Ion Ratio Lower Upper
43 100
58 49.3 24.7 74.1

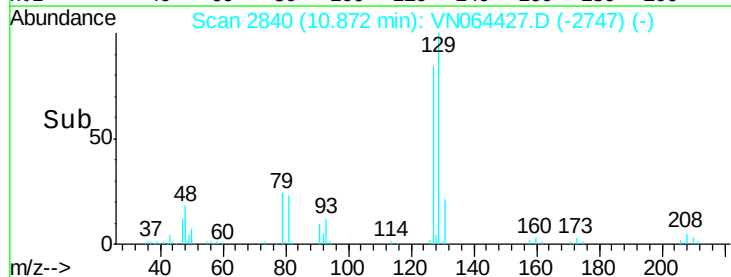
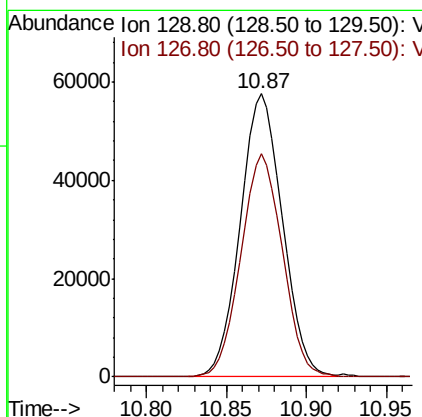
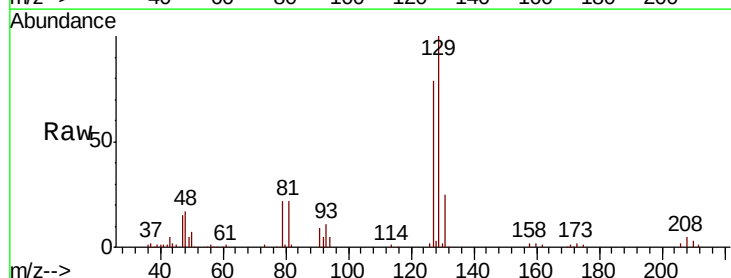
Manual Integrations
APPROVED

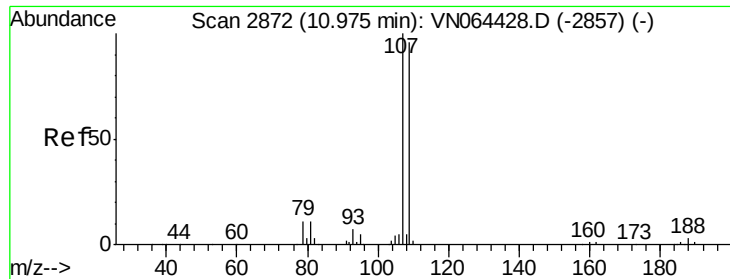
MMDadoda
11/5/2020 2:19:13 PM



#60
Dibromochloromethane
Concen: 19.132 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion: 129 Resp: 103608
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.7





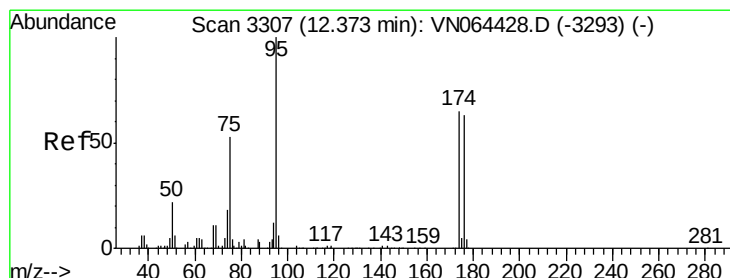
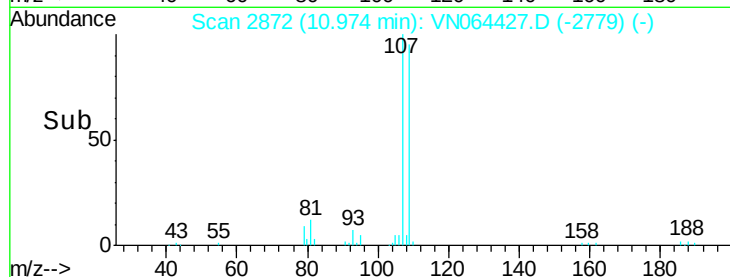
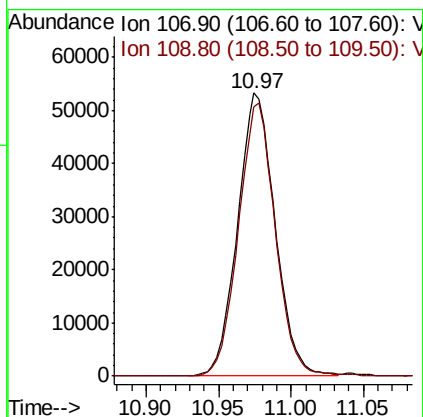
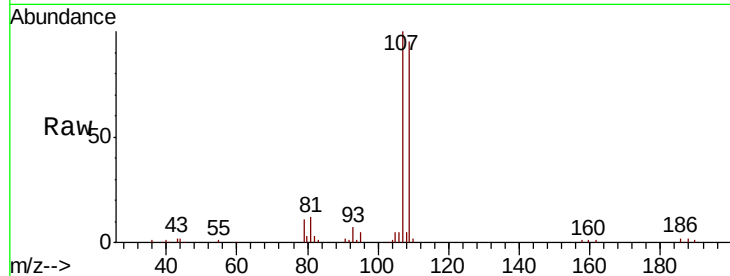
#61
 1,2-Dibromoethane
 Concen: 20.319 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.9	113.9

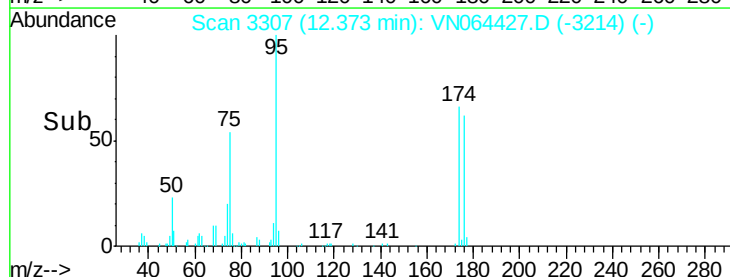
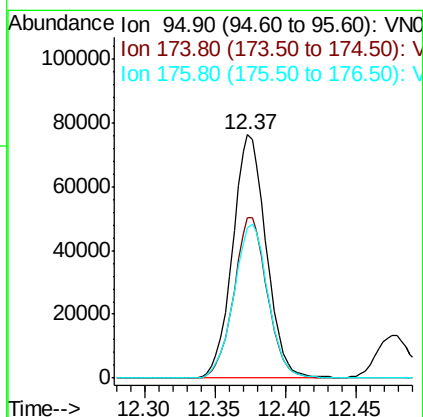
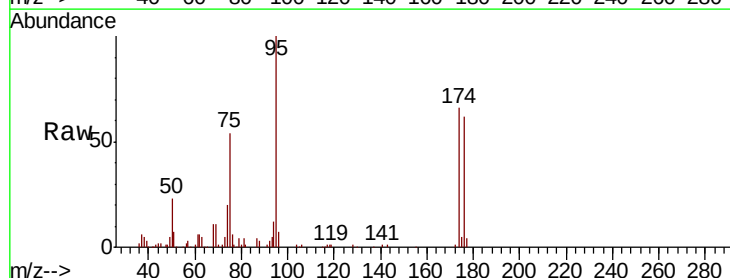
Manual Integrations
 APPROVED

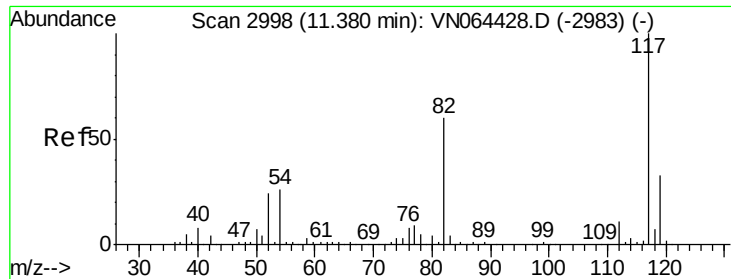
MMDadoda
 11/5/2020 2:19:13 PM



#62
 4-Bromofluorobenzene
 Concen: 20.153 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.5	0.0	132.6
176	64.7	0.0	129.2





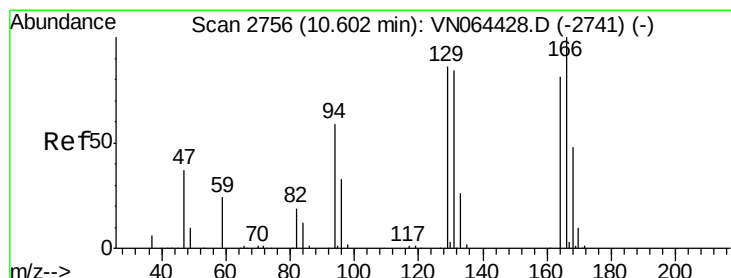
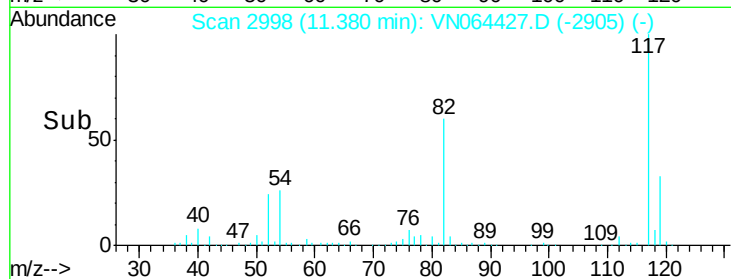
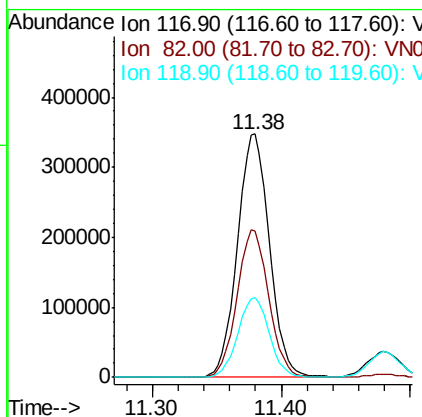
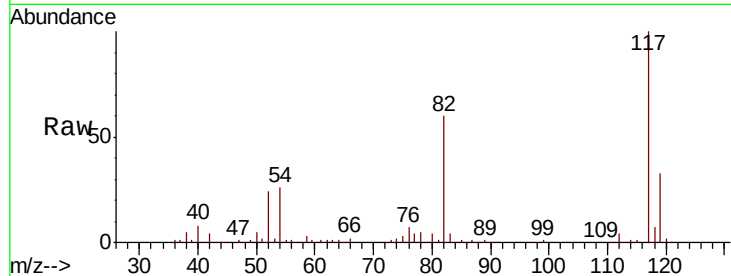
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	48.1	72.1
119	32.9	26.2	39.4

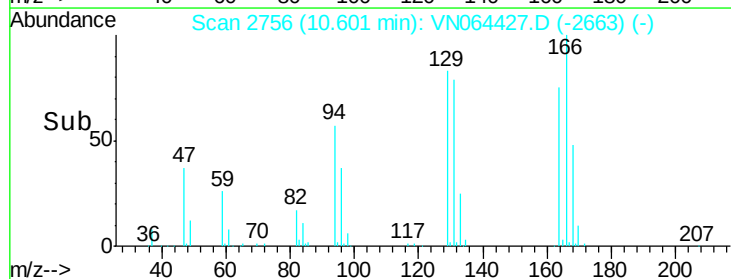
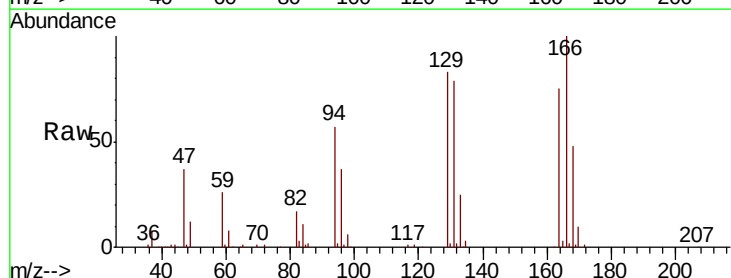
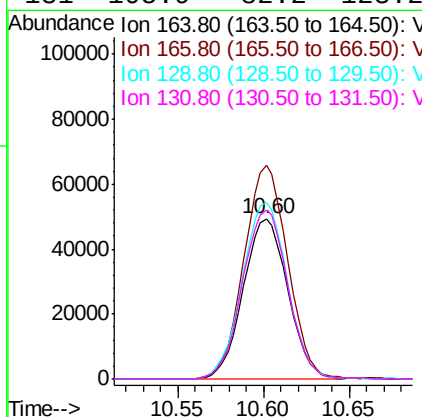
Manual Integrations
APPROVED

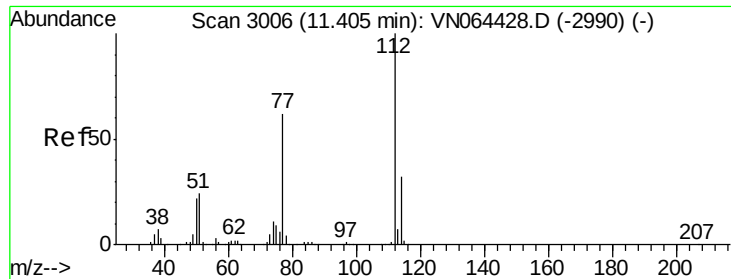
MMDadoda
11/5/2020 2:19:13 PM



#64
Tetrachloroethene
Concen: 17.946 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.4	98.2	147.2
129	110.3	84.6	127.0
131	105.9	82.2	123.2





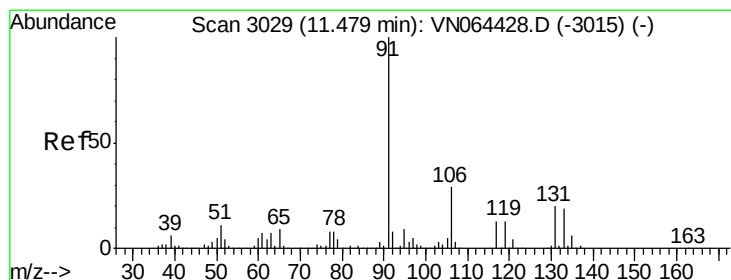
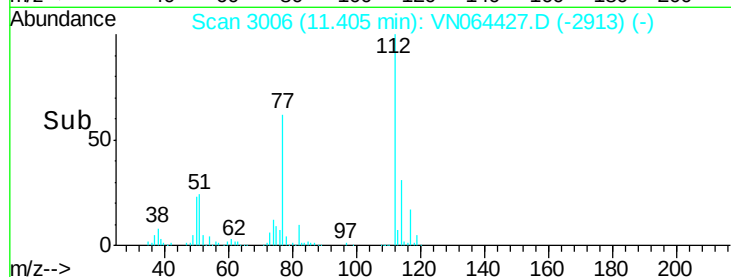
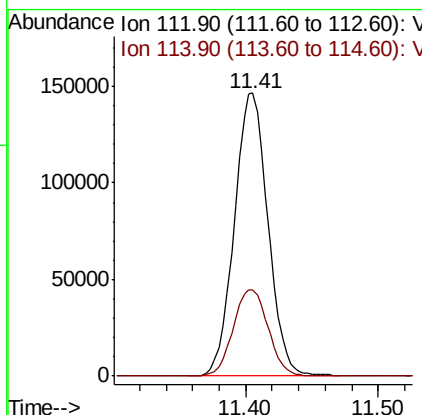
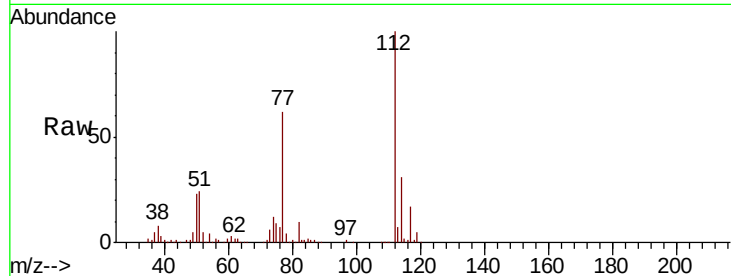
#65
Chlorobenzene
Concen: 20.750 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.6	38.4

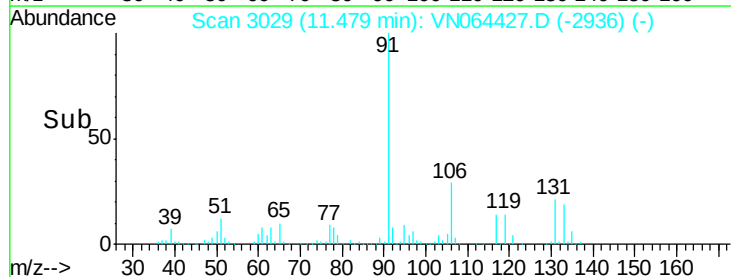
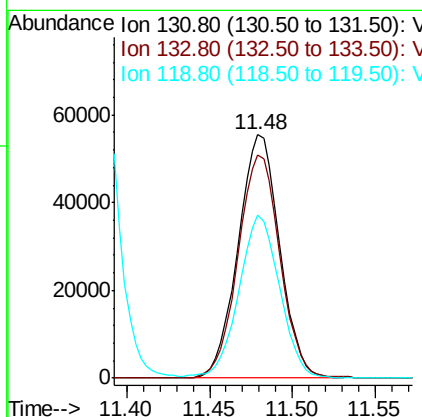
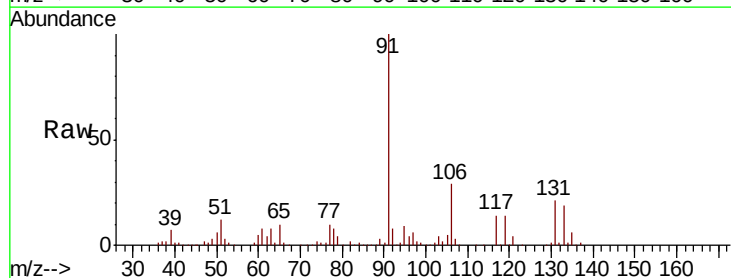
Manual Integrations
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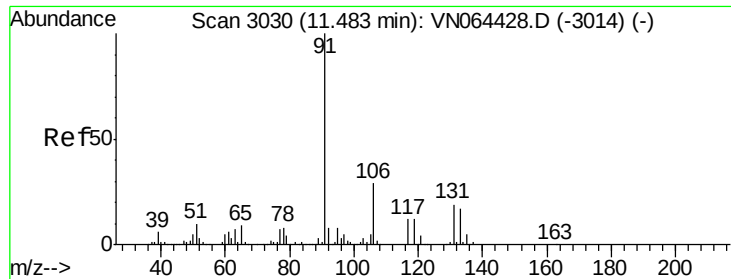
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.423 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.6	46.9	140.7
119	65.4	32.1	96.5





#67

Ethyl Benzene

Concen: 20.010 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 461909

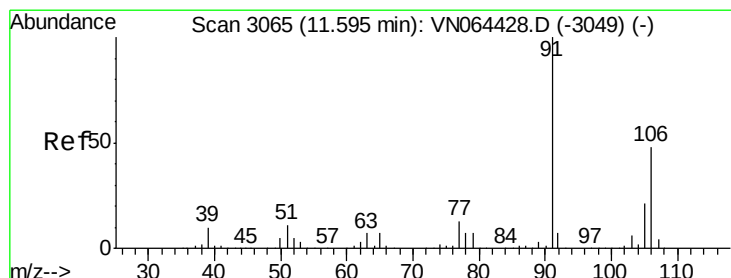
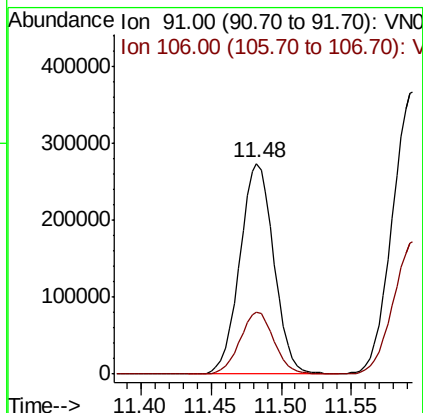
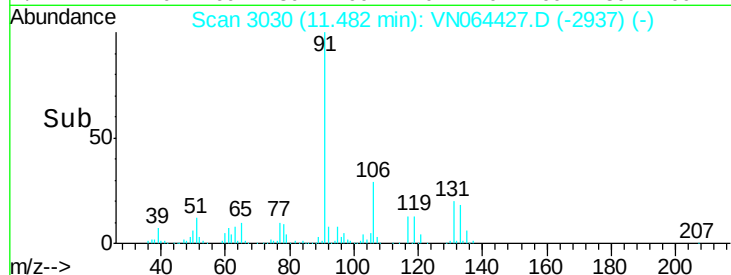
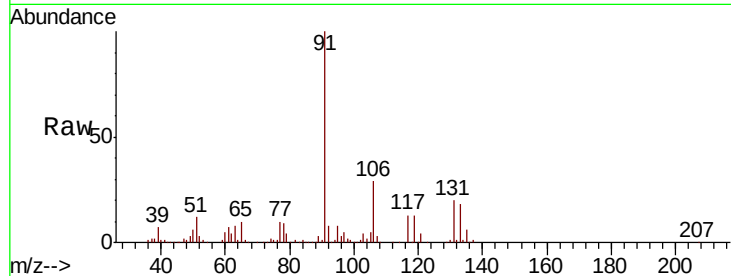
Ion Ratio Lower Upper

91 100

106 29.5 23.6 35.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 39.080 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN064427.D

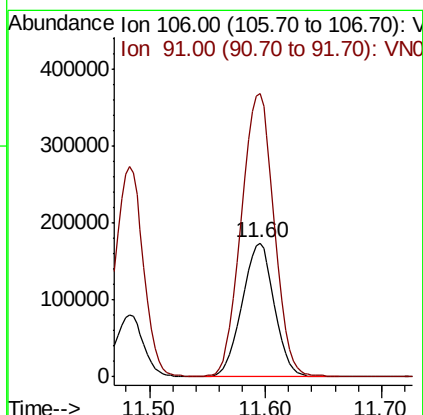
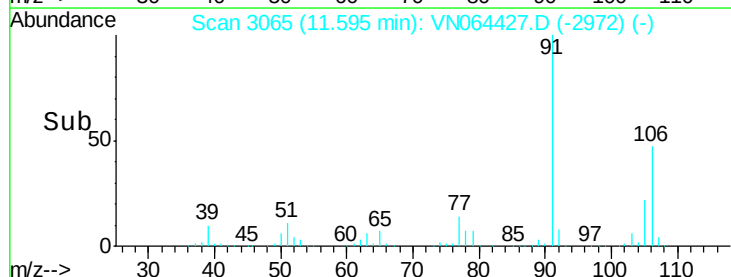
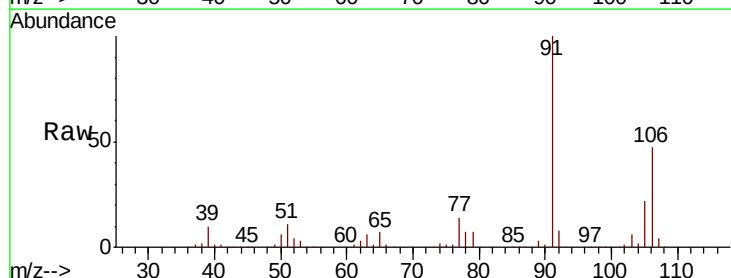
Acq: 4 Nov 2020 10:36

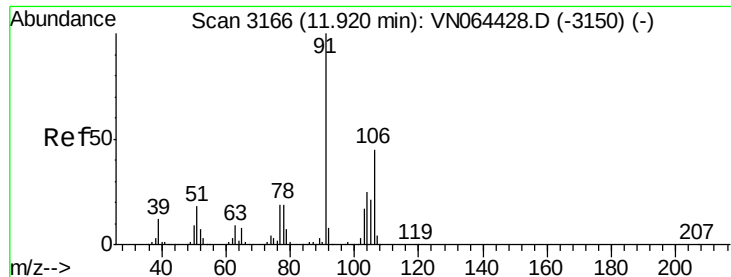
Tgt Ion: 106 Resp: 333798

Ion Ratio Lower Upper

106 100

91 217.2 169.4 254.2





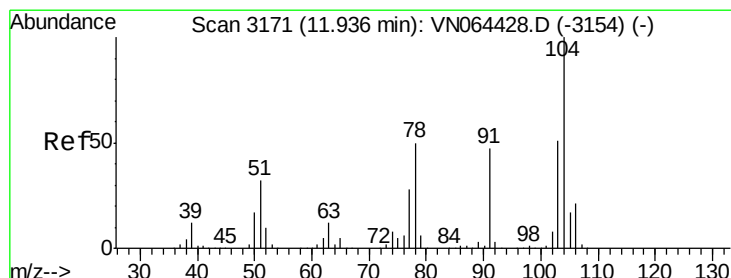
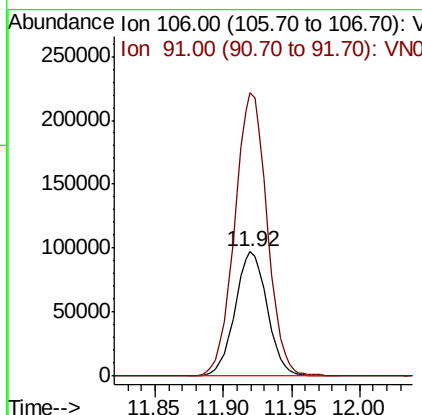
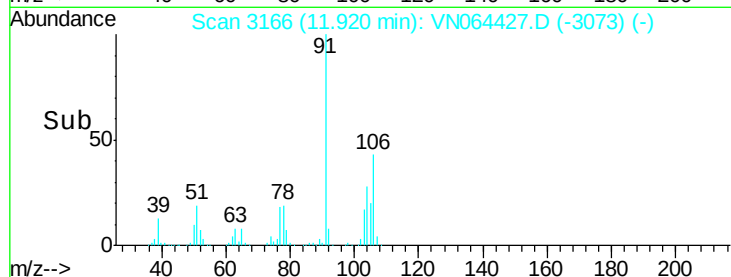
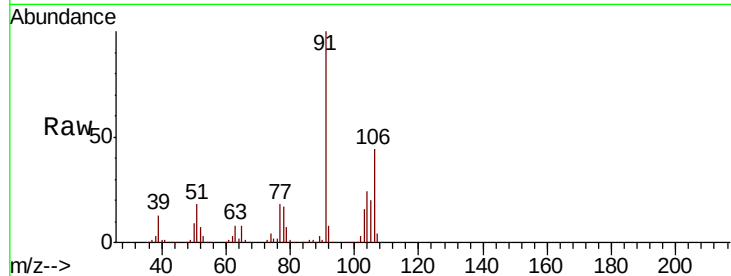
#69
o-Xylene
Concen: 19.407 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 159867
Ion Ratio Lower Upper
106 100
91 228.8 111.7 334.9

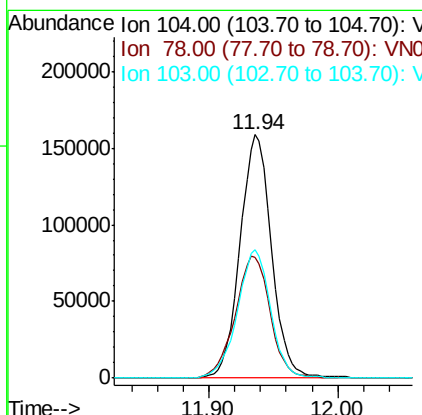
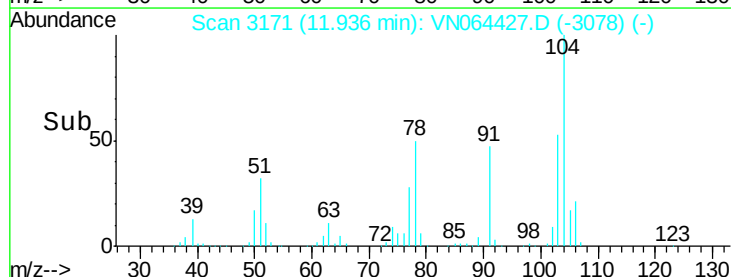
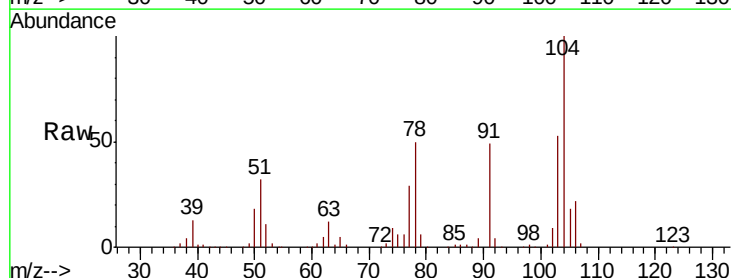
Manual Integrations
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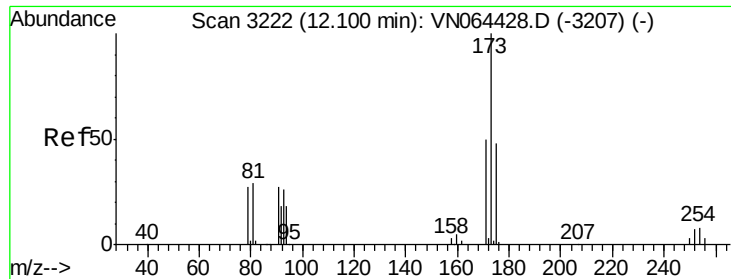
MMDadoda
11/5/2020 2:19:13 PM



#70
Styrene
Concen: 19.996 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion:104 Resp: 269980
Ion Ratio Lower Upper
104 100
78 55.6 44.0 66.0
103 55.8 43.8 65.6





#71

Bromoform

Concen: 16.660 ug/l

RT: 12.10 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 63681

Ion Ratio Lower Upper

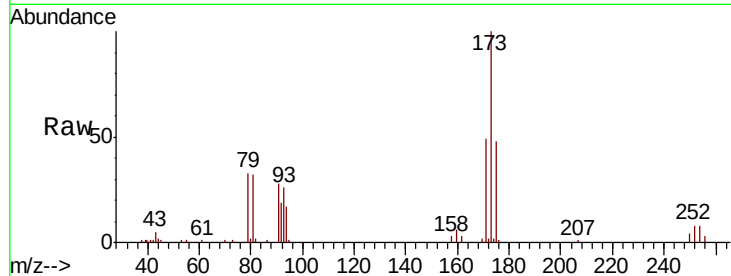
173 100

175 49.7 23.7 71.1

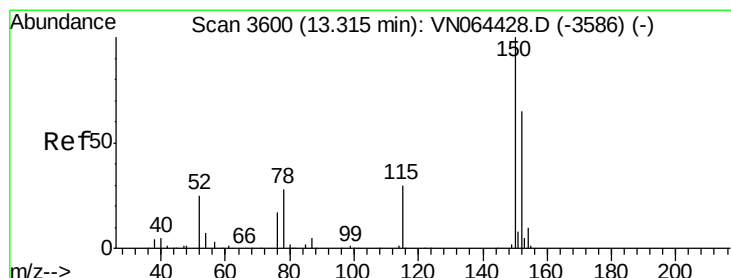
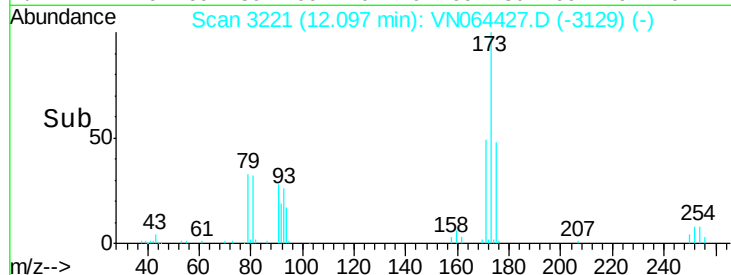
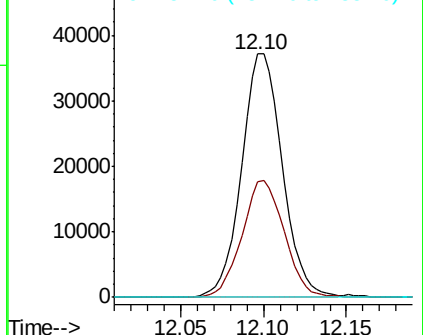
254 0.0 0.0 0.0

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# 3600

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

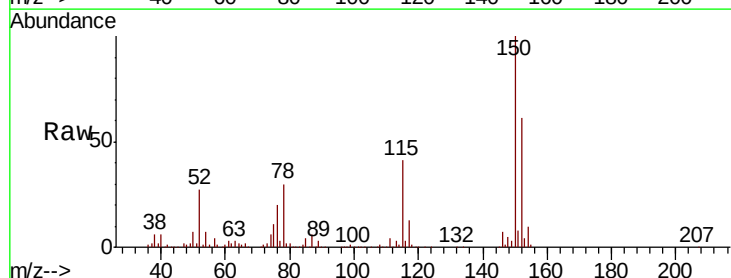
Tgt Ion:152 Resp: 264227

Ion Ratio Lower Upper

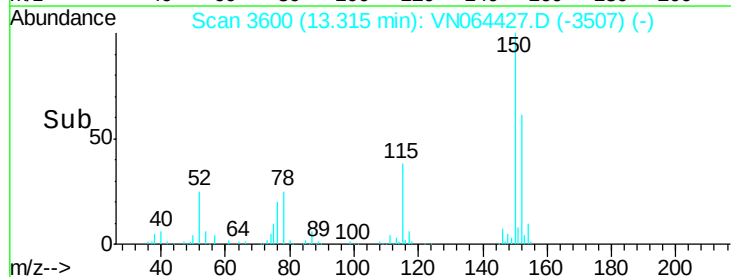
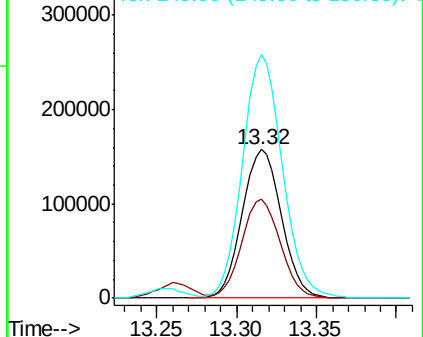
152 100

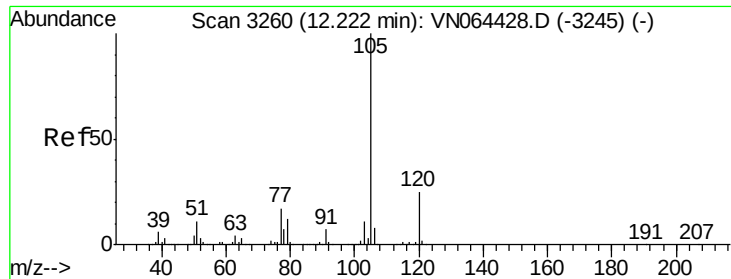
115 65.9 32.0 96.0

150 166.0 0.0 353.8



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





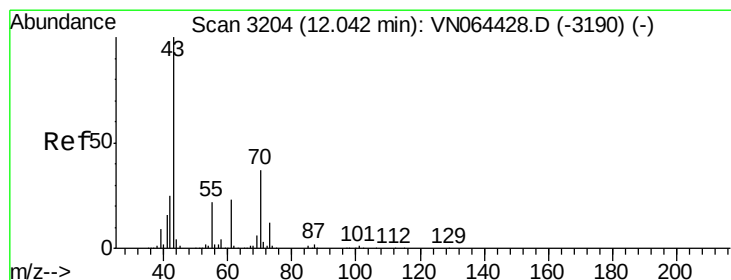
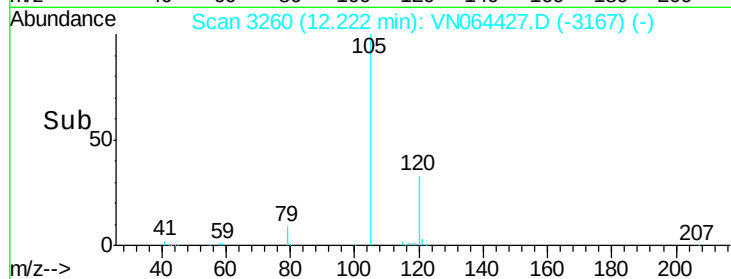
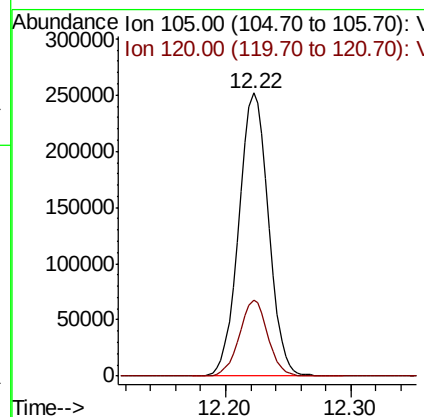
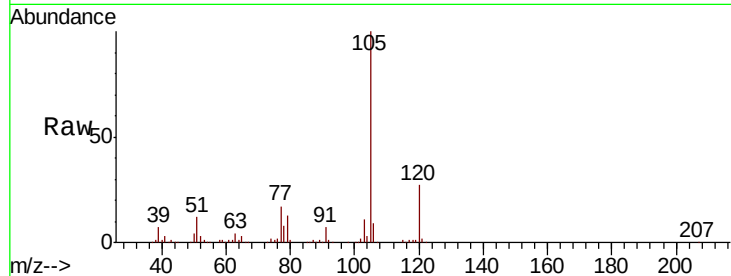
#73
Isopropylbenzene
Concen: 20.457 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.3

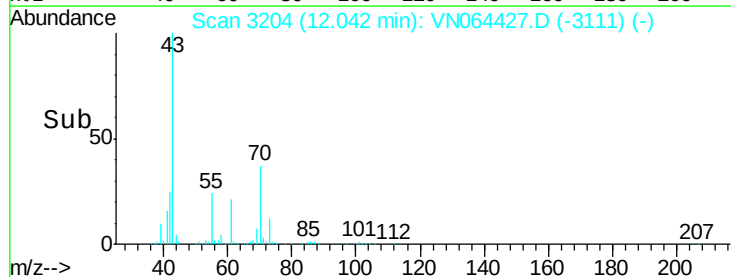
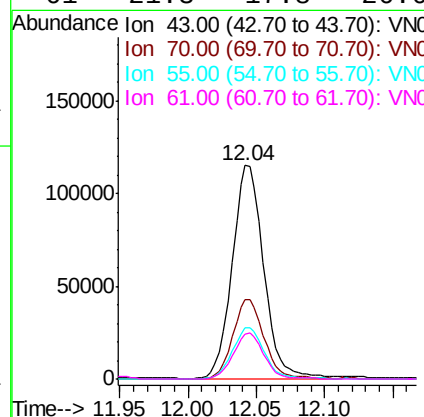
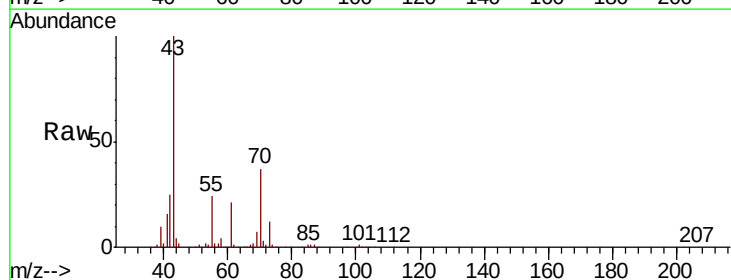
Manual Integrations
APPROVED

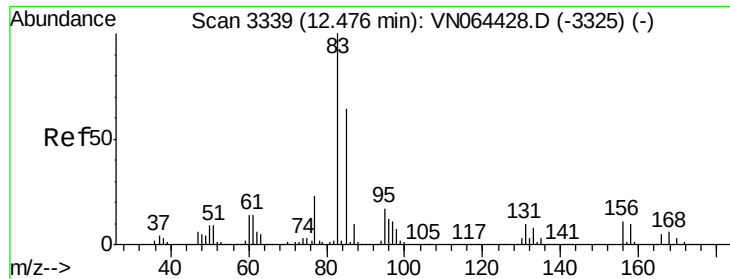
MMDadoda
11/5/2020 2:19:13 PM



#74
N-ethyl acetate
Concen: 20.780 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.1	29.6	44.4
55	24.7	18.4	27.6
61	21.3	17.8	26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.585 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

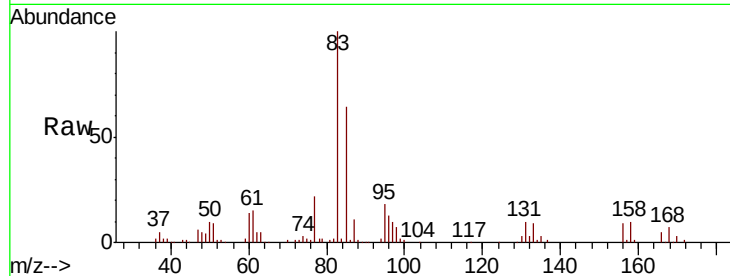
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	127453
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	62.6	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:19:13 PM



Abundance Ion 82.90 (82.60 to 83.60): VN064427.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN064427.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN064427.D (-3325) (-)

12.48

80000

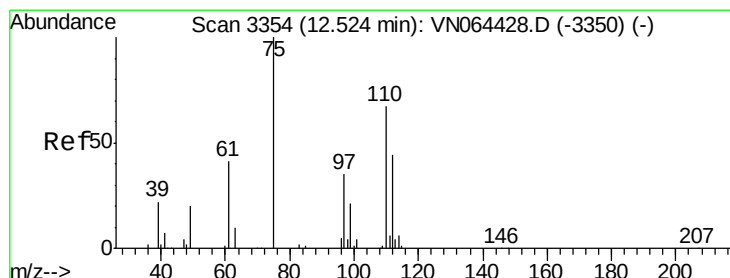
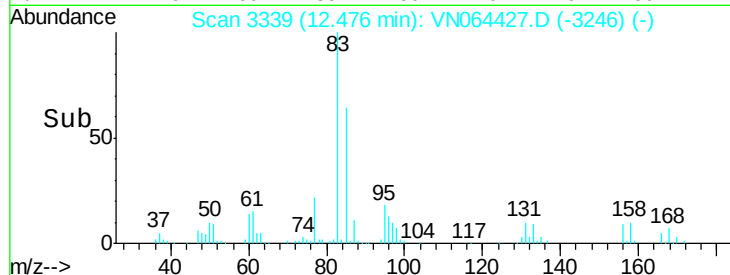
60000

40000

20000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 19.093 ug/l m

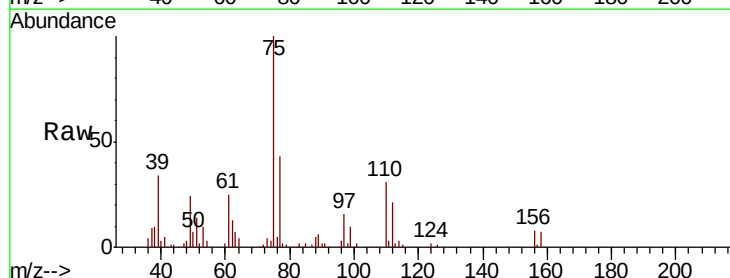
RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Tgt Ion:	75	Resp:	120927
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064427.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN064427.D (-3350) (-)

12.52

120000

100000

80000

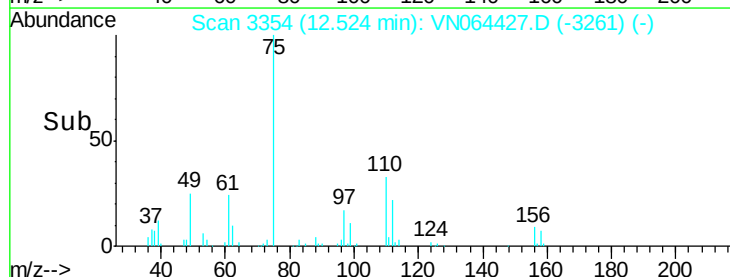
60000

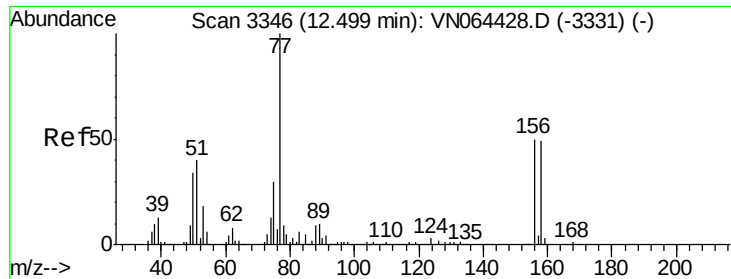
40000

20000

0

Time--> 12.50 12.55





#77

Bromobenzene

Concen: 20.136 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

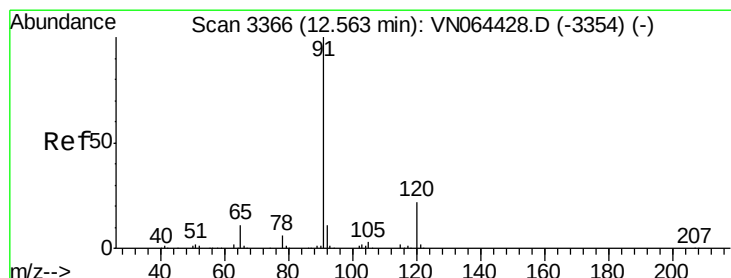
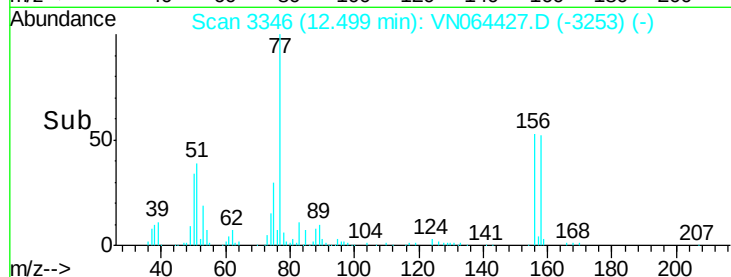
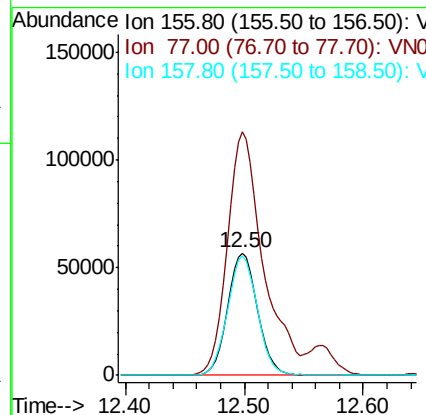
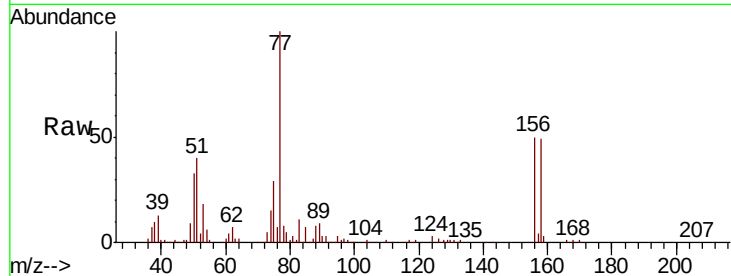
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	237.5	119.0	357.0	
158	97.3	48.4	145.3	

Manual Integrations
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#78

n-propylbenzene

Concen: 20.581 ug/l

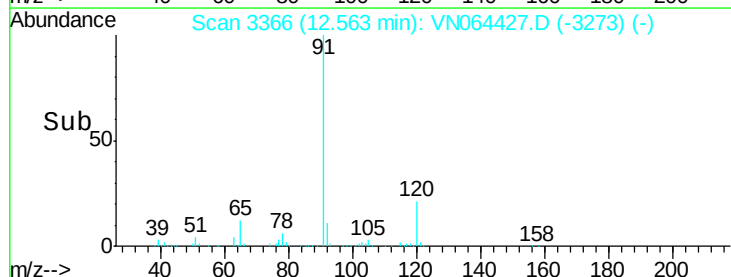
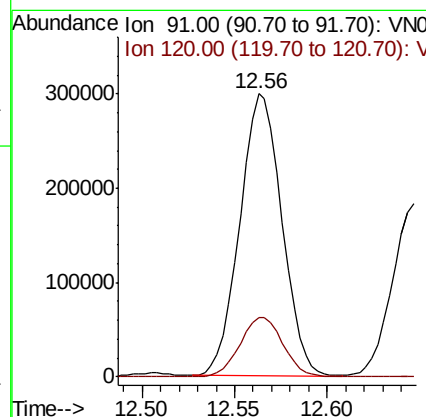
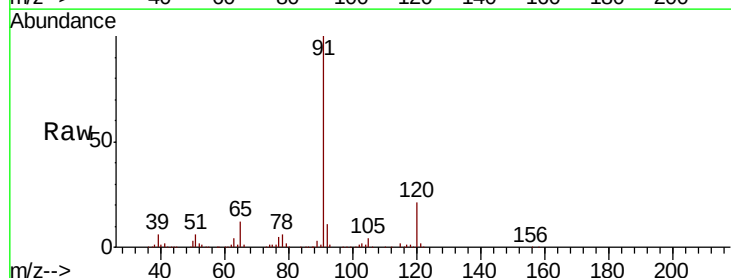
RT: 12.56 min Scan# 3366

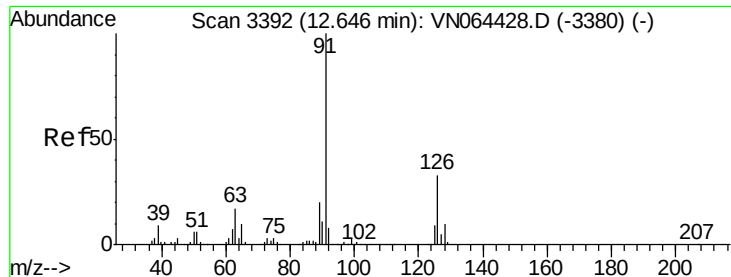
Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.7	11.0	33.0	





#79

2-Chlorotoluene

Concen: 20.784 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 302965

Ion Ratio Lower Upper

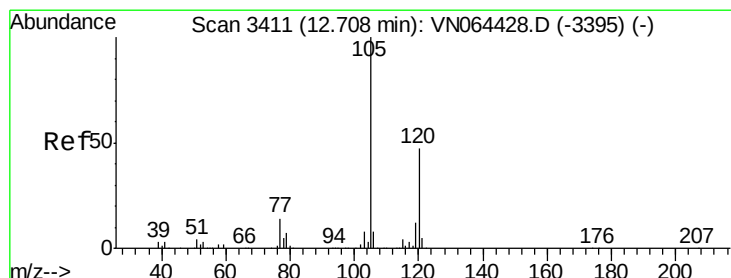
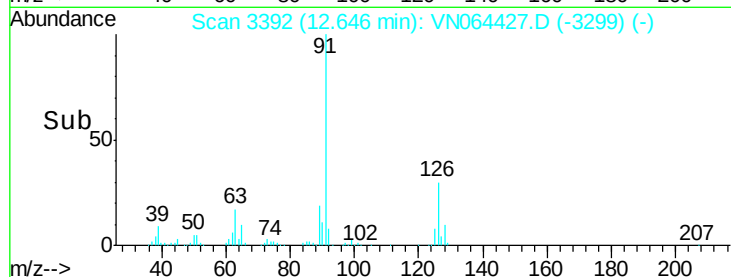
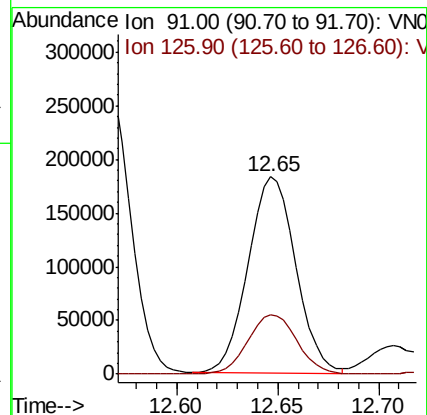
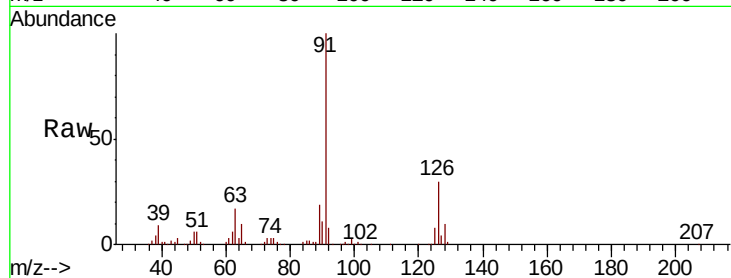
91 100

126 31.5 16.4 49.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 20.188 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064427.D

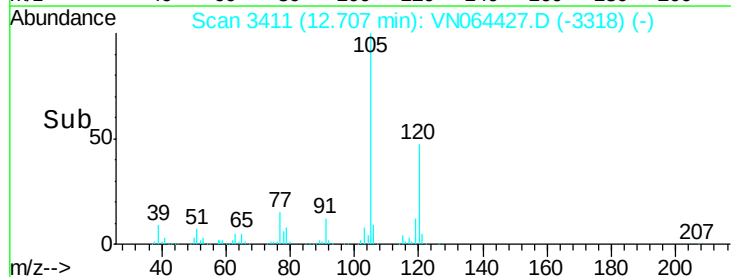
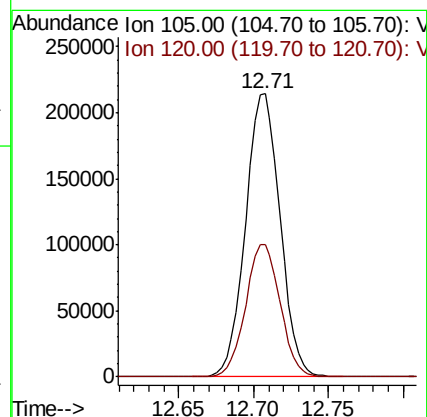
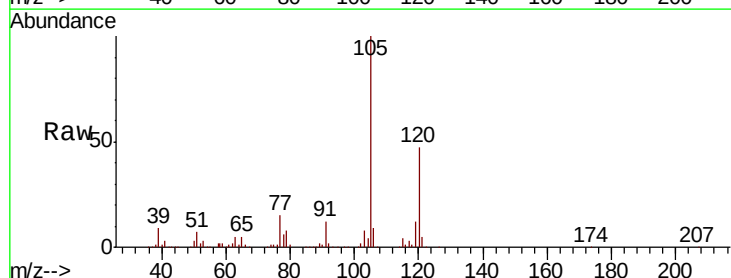
Acq: 4 Nov 2020 10:36

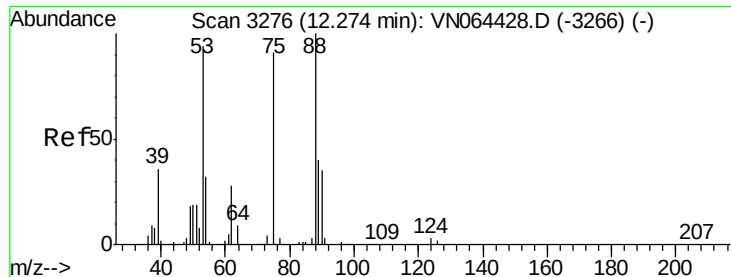
Tgt Ion: 105 Resp: 343810

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.2





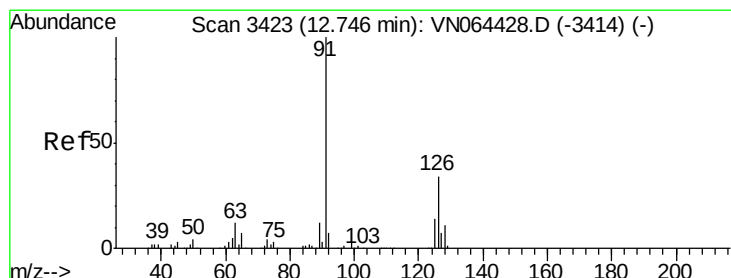
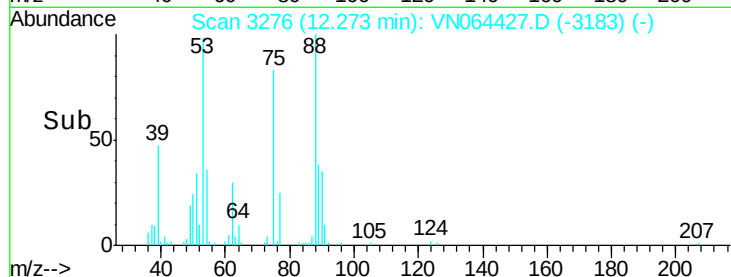
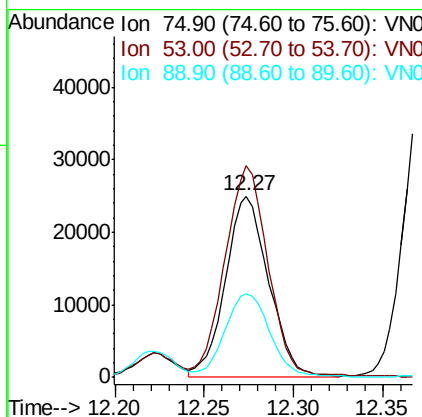
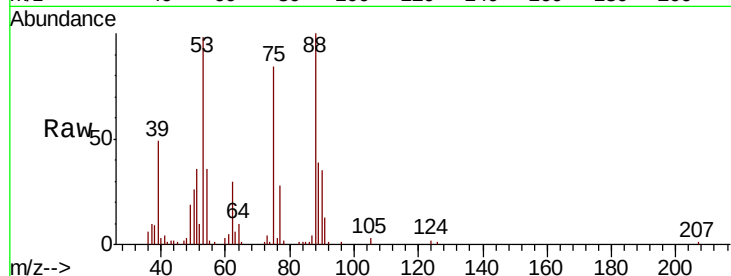
#81
trans-1,4-Dichloro-2-butene
Concen: 18.922 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.7	84.0	126.0
89	48.4	36.3	54.5

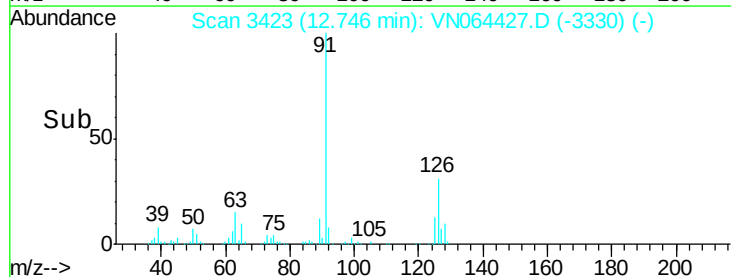
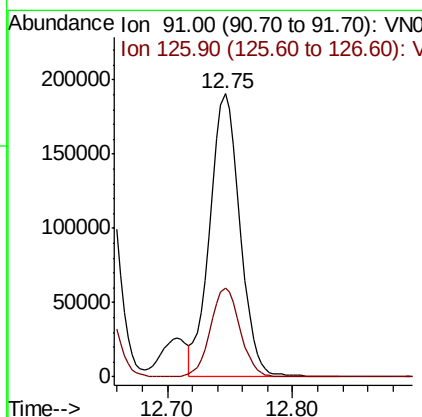
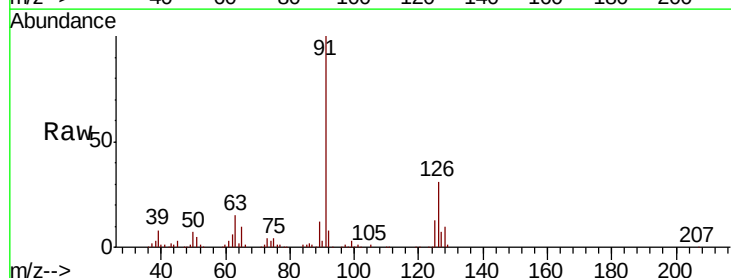
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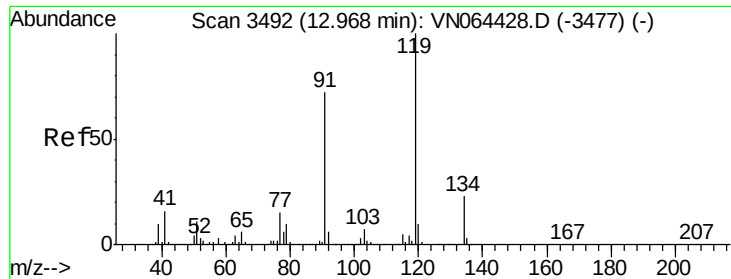
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.183 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.4	46.2





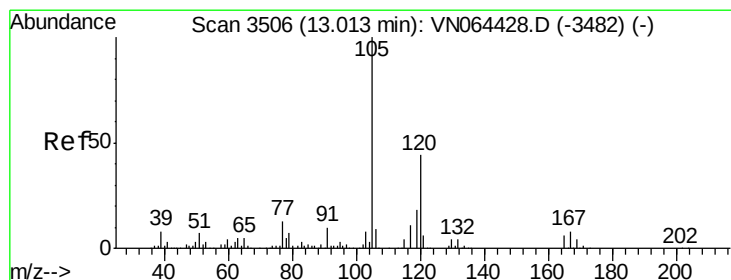
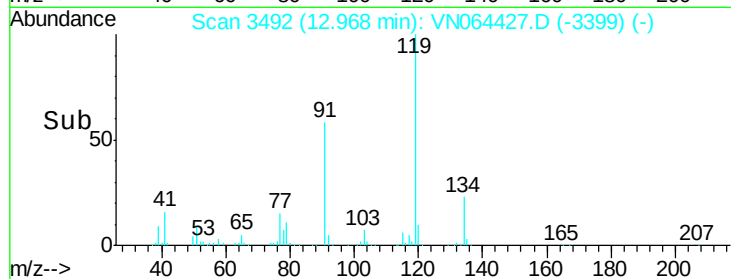
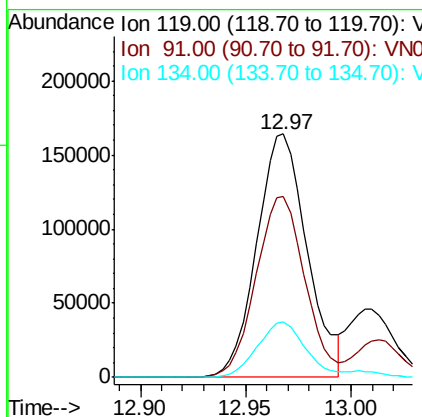
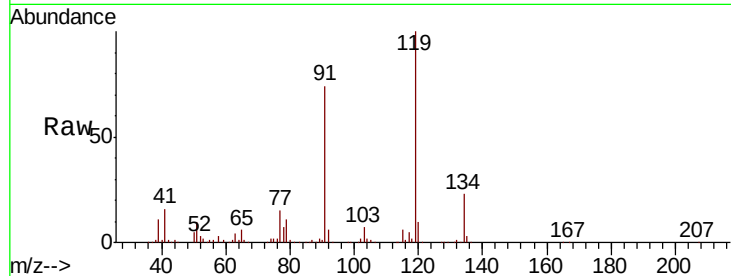
#83
 tert-Butylbenzene
 Concen: 19.670 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.3	36.1	108.3
134	22.1	11.7	35.1

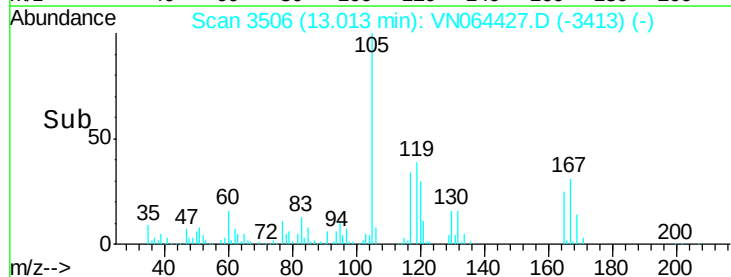
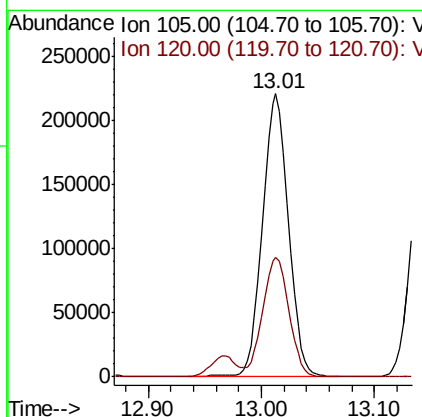
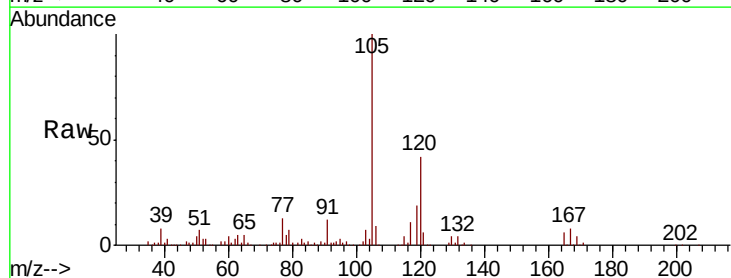
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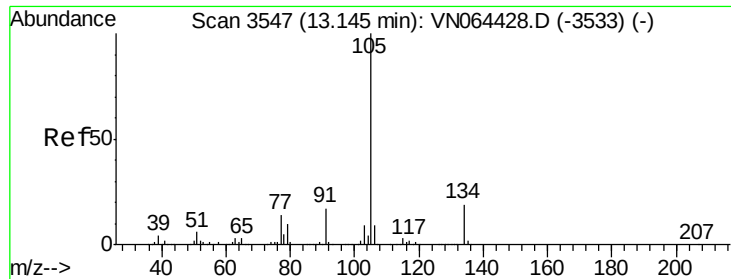
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.585 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	21.9	65.7





#85

sec-Butylbenzene

Concen: 19.261 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 346228

Ion Ratio Lower Upper

105 100

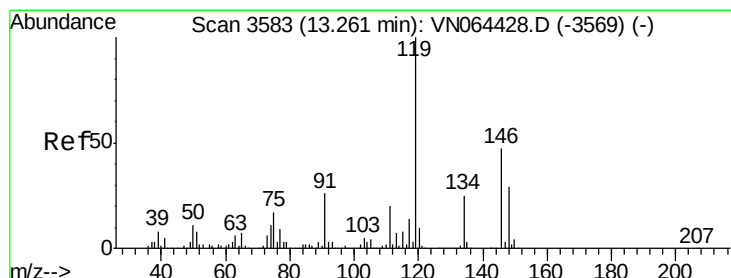
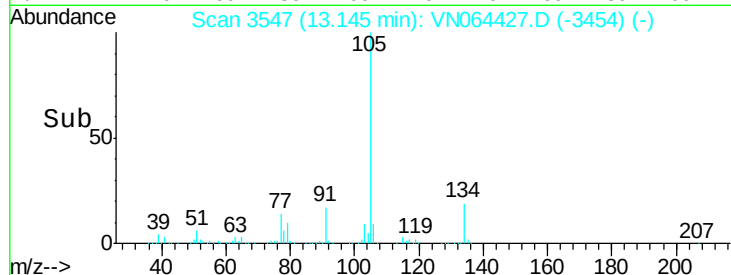
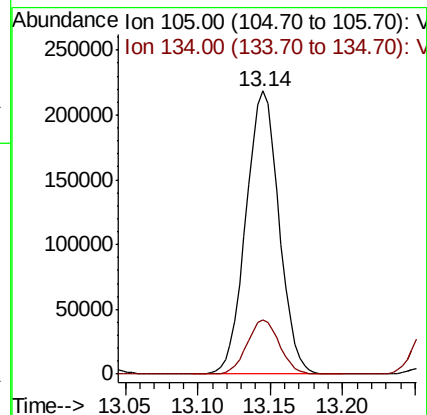
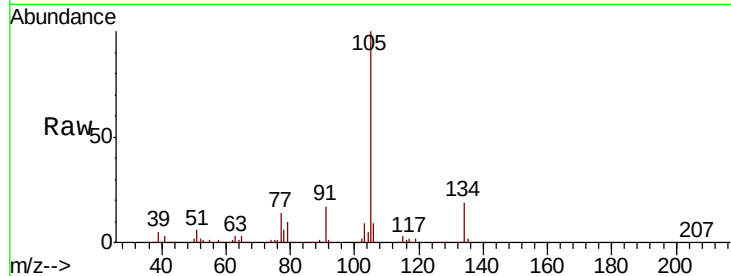
134 18.9 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 19.235 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

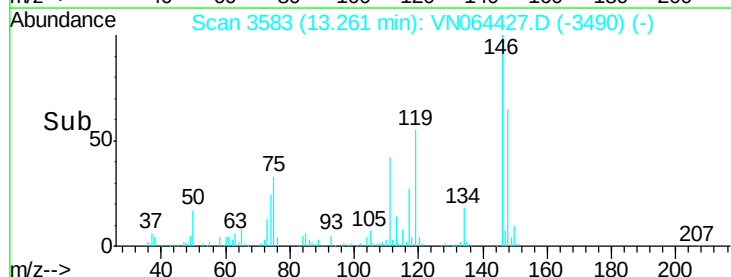
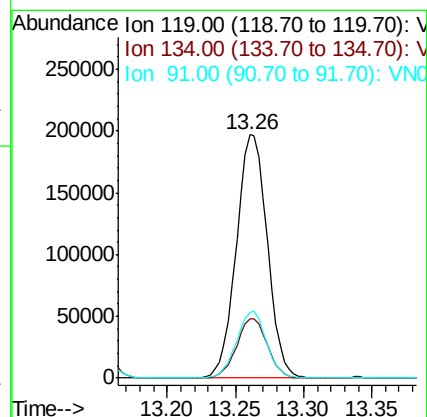
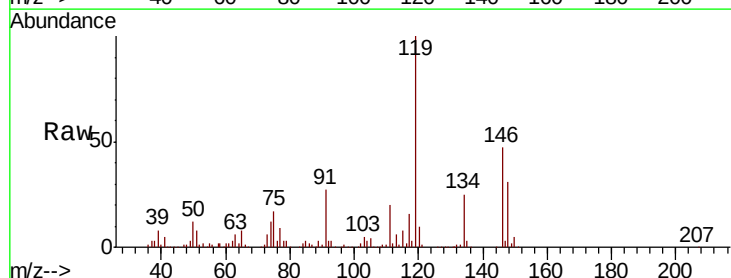
Tgt Ion:119 Resp: 310604

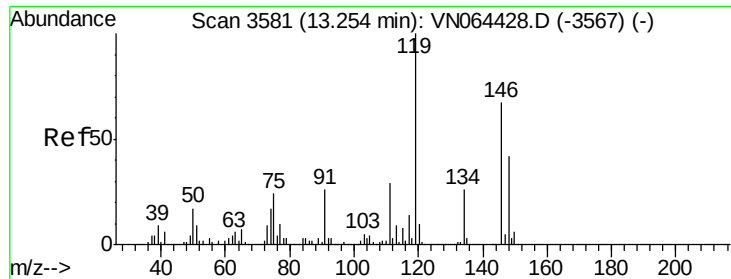
Ion Ratio Lower Upper

119 100

134 24.3 12.6 37.6

91 26.3 12.8 38.3





#87

1,3-Dichlorobenzene

Concen: 19.937 ug/l

RT: 13.25 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

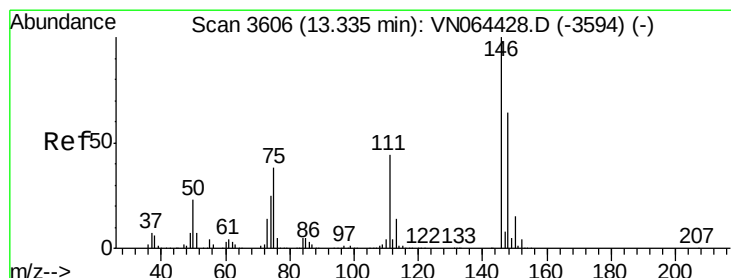
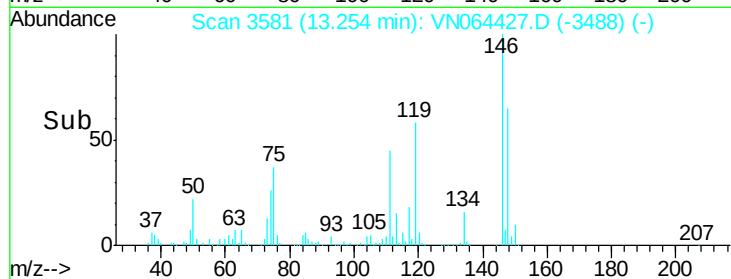
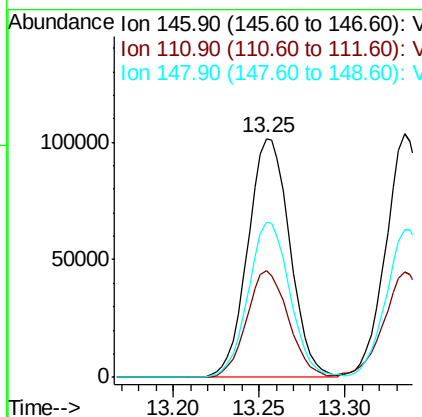
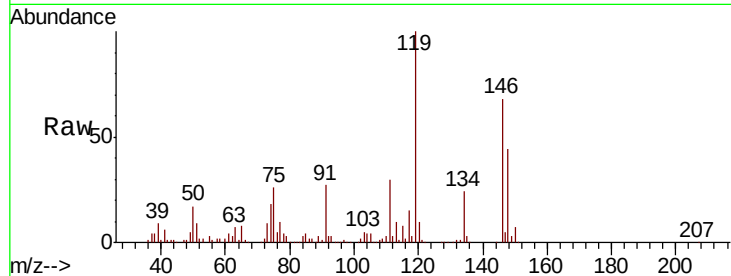
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	171990
Ion Ratio	Lower	Upper	
146	100		
111	44.3	22.1	66.1
148	64.4	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 19.895 ug/l

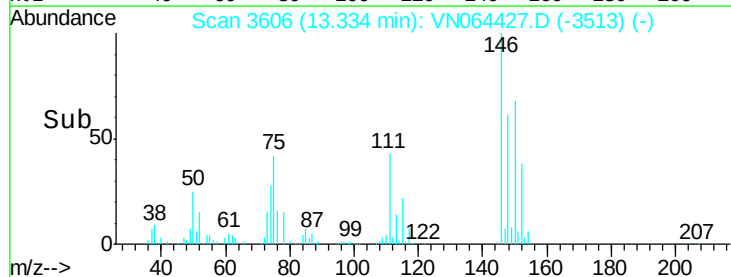
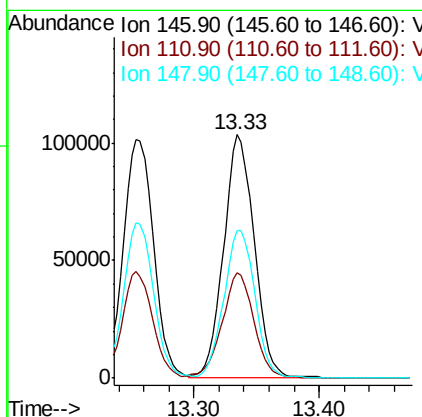
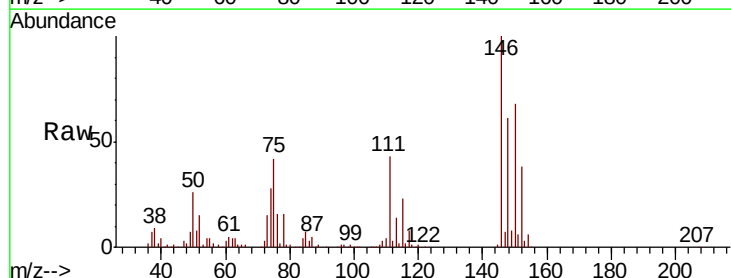
RT: 13.33 min Scan# 3606

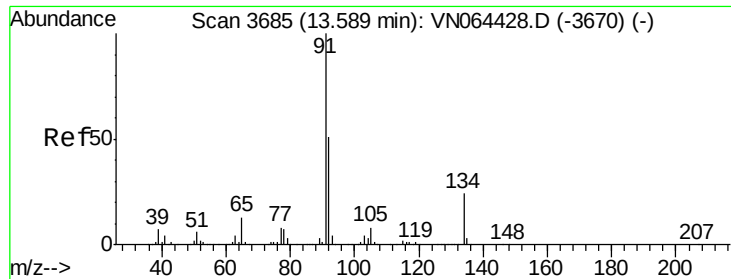
Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Tgt Ion:	146	Resp:	174819
Ion Ratio	Lower	Upper	
146	100		
111	44.5	21.8	65.3
148	60.7	32.4	97.2





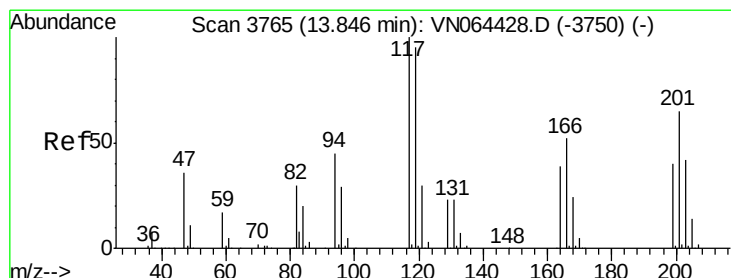
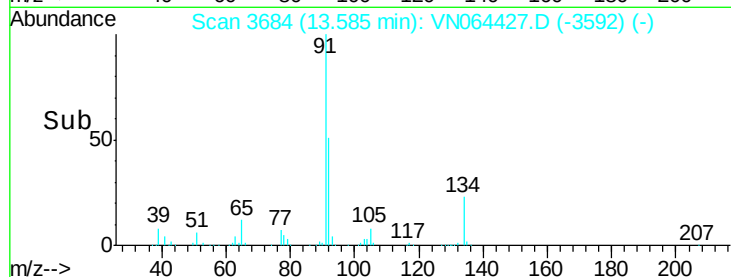
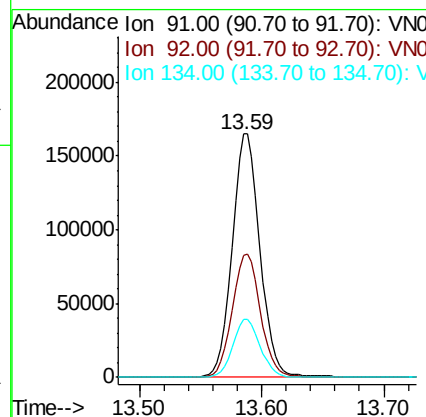
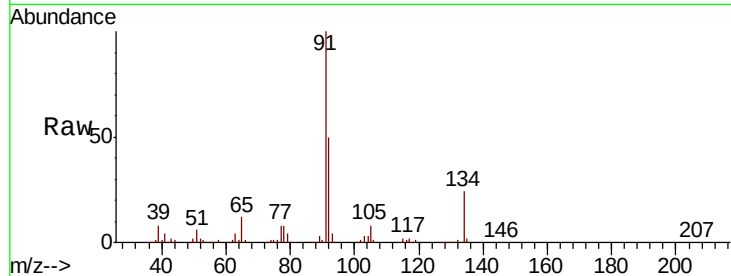
#89
n-Butylbenzene
Concen: 18.430 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.3	75.9
134	23.4	11.8	35.4

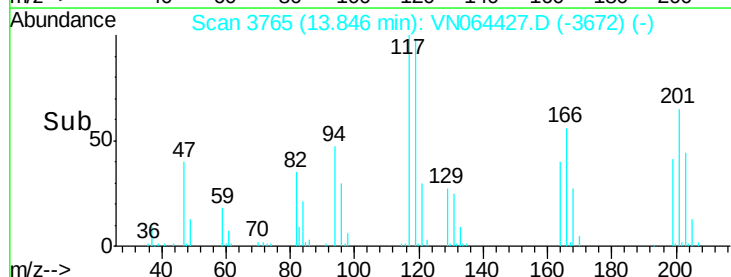
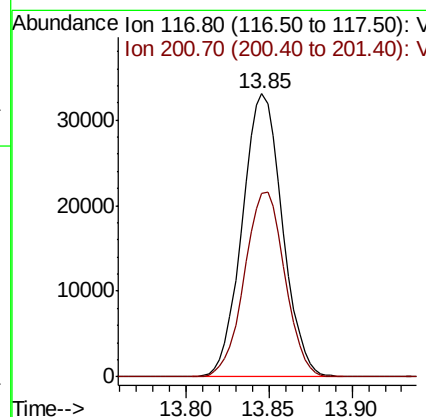
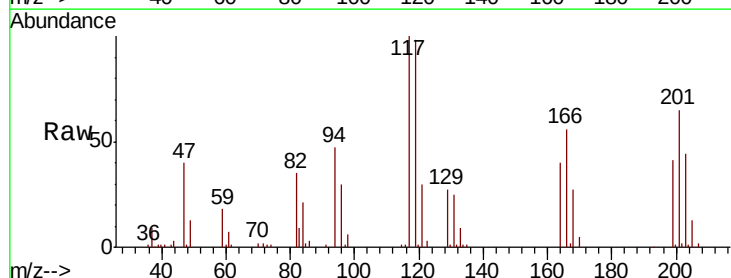
Manual Integrations
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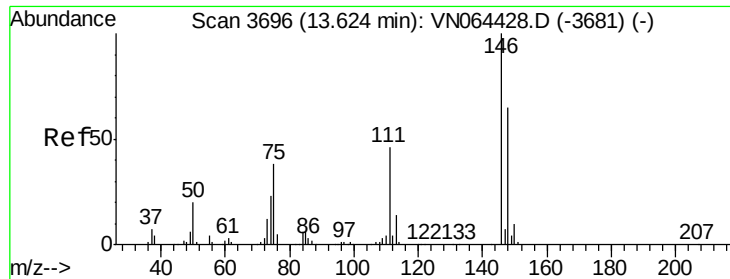
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#90
Hexachloroethane
Concen: 18.479 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.5	32.5	97.5





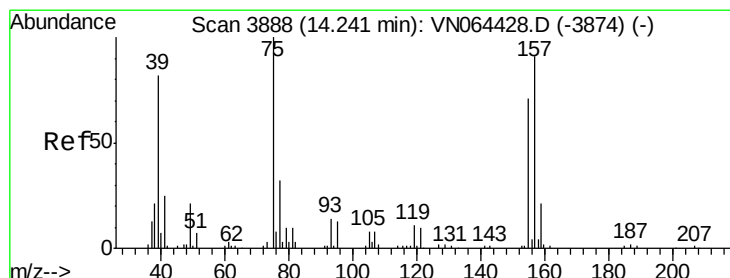
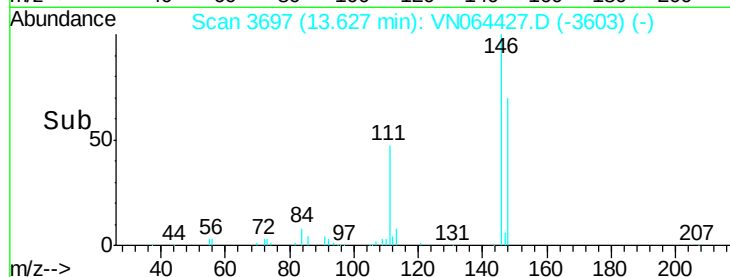
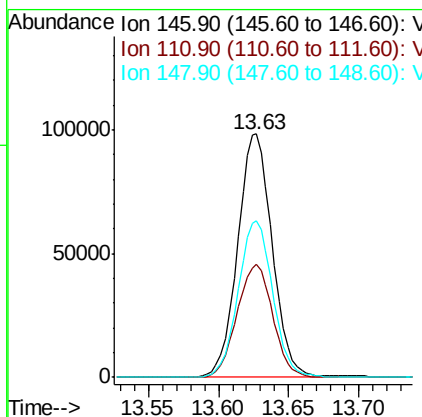
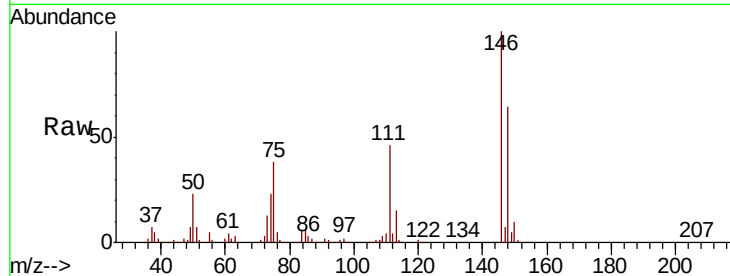
#91
 1,2-Dichlorobenzene
 Concen: 19.680 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.0	22.9	68.7
148	64.4	32.0	96.2

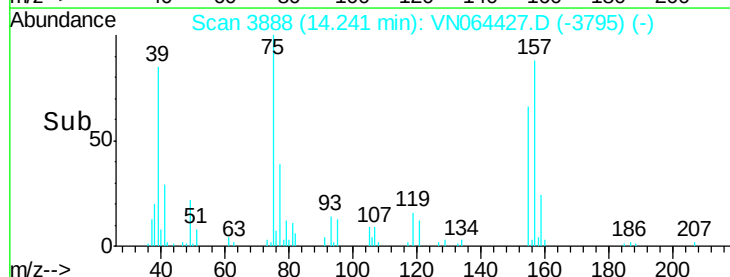
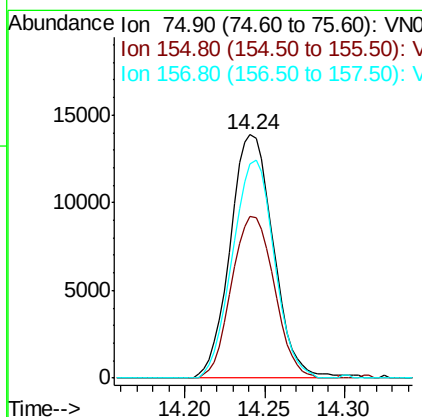
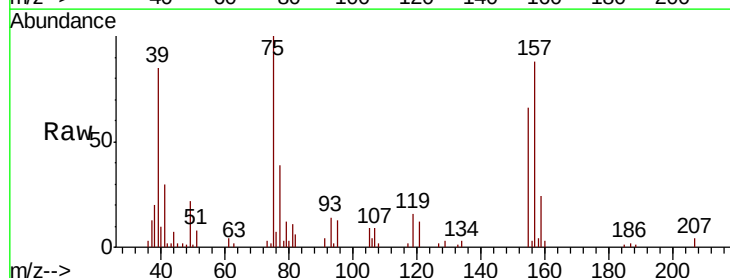
Manual Integrations
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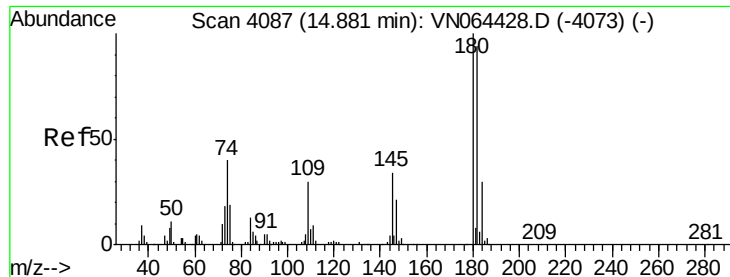
MMDadoda
 11/5/2020 2:19:13 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.032 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.5	34.6	103.9
157	86.8	43.0	128.8





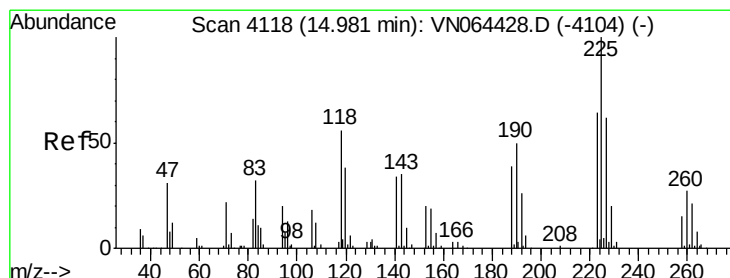
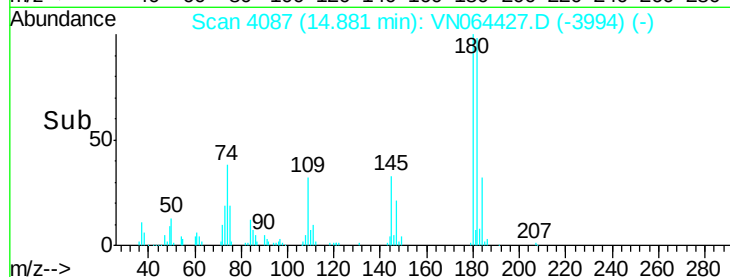
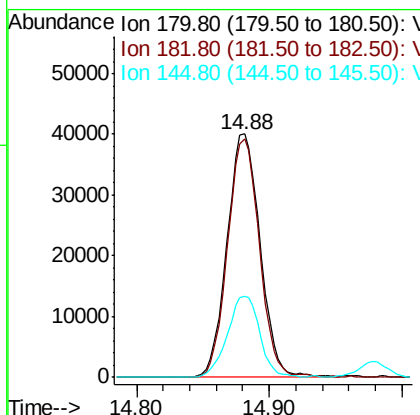
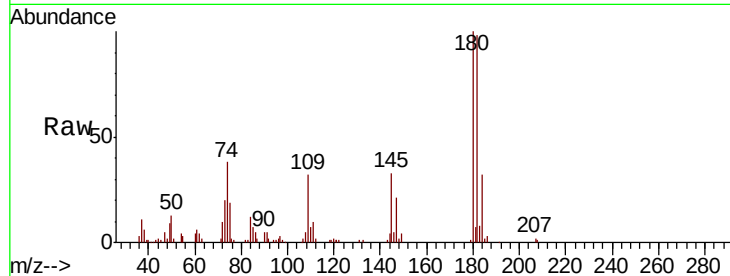
#93
 1,2,4-Trichlorobenzene
 Concen: 16.833 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	69421		
182	94.4	47.3	142.0	
145	32.5	16.7	50.1	

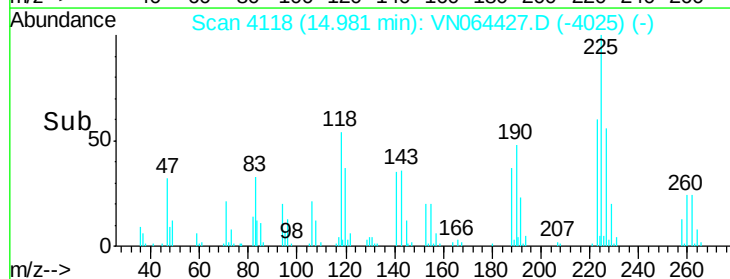
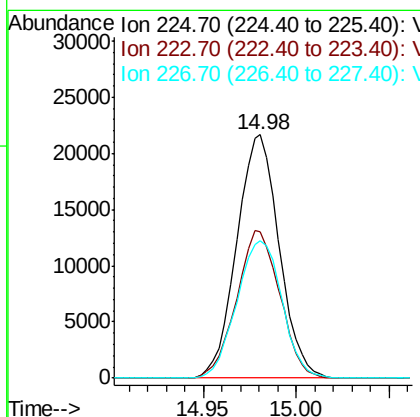
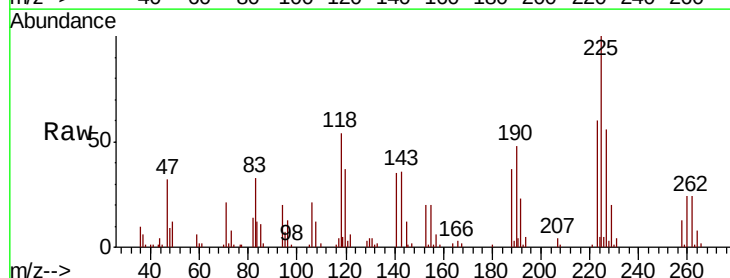
Manual Integrations
 APPROVED

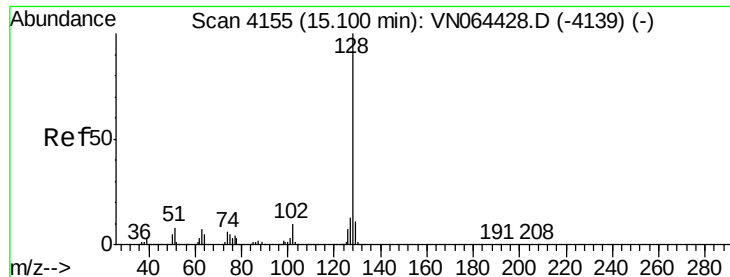
MMDadoda
 11/5/2020 2:19:13 PM



#94
 Hexachlorobutadiene
 Concen: 13.838 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34458		
223	61.8	31.8	95.4	
227	60.2	31.8	95.4	





#95

Naphthalene

Concen: 17.103 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

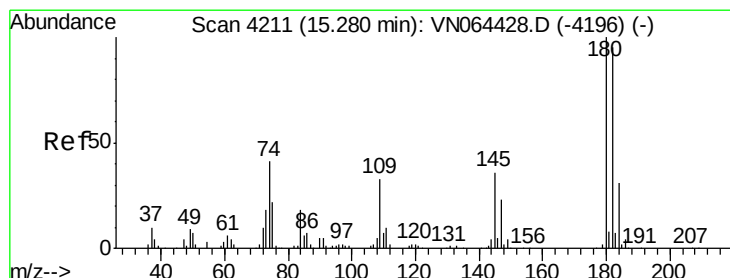
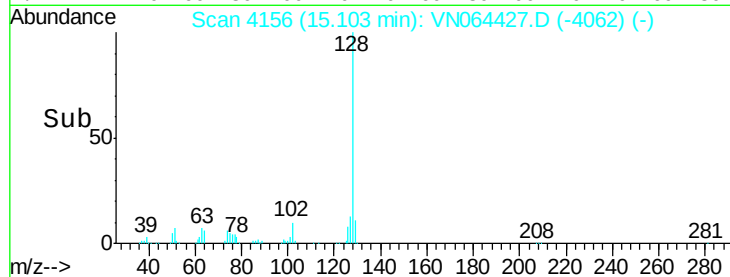
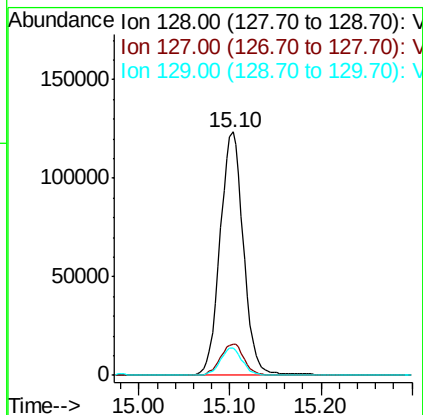
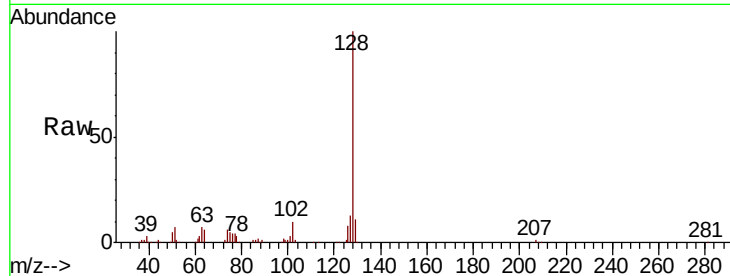
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	220969
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:19:13 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.970 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Tgt Ion:	180	Resp:	67594
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.7	143.1
145	35.1	18.3	54.8

