

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120820\
 Data File : VN065008.D
 Acq On : 9 Dec 2020 7:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 09 08:40:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	188151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	304299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	270799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	135422	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		7.98	65	106599	48.73	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.46%	
35) Dibromofluoromethane		7.55	113	93410	51.30	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.60%	
50) Toluene-d8		10.06	98	356895	47.97	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.94%	
62) 4-Bromofluorobenzene		12.37	95	126615	47.55	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	66494	40.777	ug/l	97
3) Chloromethane	2.04	50	87495	41.290	ug/l	99
4) Vinyl Chloride	2.17	62	95989	43.448	ug/l	97
5) Bromomethane	2.52	94	62758	43.298	ug/l	94
6) Chloroethane	2.67	64	64695	47.346	ug/l	99
7) Trichlorofluoromethane	2.99	101	145049	47.496	ug/l	99
8) Diethyl Ether	3.38	74	59843	49.644	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	84920	46.354	ug/l	98
10) Methyl Iodide	3.91	142	108211	45.539	ug/l	99
11) Tert butyl alcohol	4.75	59	76445	224.095	ug/l	100
12) 1,1-Dichloroethene	3.69	96	84481	46.303	ug/l	98
13) Acrolein	3.57	56	56408	270.716	ug/l	100
14) Allyl chloride	4.27	41	134816	44.801	ug/l	98
15) Acrylonitrile	4.93	53	238593	253.183	ug/l	99
16) Acetone	3.78	43	183840	255.670	ug/l	97
17) Carbon Disulfide	4.01	76	196614	41.737	ug/l	99
18) Methyl Acetate	4.28	43	113600	52.547	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	300215	51.305	ug/l	100
20) Methylene Chloride	4.50	84	104565	46.407	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	93128	45.964	ug/l	99
22) Diisopropyl ether	5.90	45	310067	51.479	ug/l	97
23) Vinyl Acetate	5.85	43	1221392	253.579	ug/l	100
24) 1,1-Dichloroethane	5.79	63	181805	50.506	ug/l	98
25) 2-Butanone	6.79	43	296741	254.578	ug/l	98
26) 2,2-Dichloropropane	6.78	77	119647	38.324	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	111794	49.035	ug/l	97
28) Bromochloromethane	7.15	49	79350	48.186	ug/l	98
29) Tetrahydrofuran	7.17	42	198349	246.513	ug/l	99
30) Chloroform	7.33	83	187294	50.455	ug/l	97
31) Cyclohexane	7.61	56	133616	43.827	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	159605	50.061	ug/l	99
36) 1,1-Dichloropropene	7.75	75	132064	46.822	ug/l	99
37) Ethyl Acetate	6.88	43	124846	45.951	ug/l	99
38) Carbon Tetrachloride	7.73	117	141415	48.186	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	127860	42.110	ug/l	96
40) Benzene	8.00	78	409455	47.373	ug/l	96
41) Methacrylonitrile	7.13	41	62537	49.884	ug/l	89
42) 1,2-Dichloroethane	8.08	62	137438	47.137	ug/l	99
43) Isopropyl Acetate	8.13	43	206017	47.123	ug/l #	91
44) Trichloroethene	8.80	130	113719	44.593	ug/l	99
45) 1,2-Dichloropropane	9.08	63	112675	50.340	ug/l	99
46) Dibromomethane	9.17	93	72983	48.807	ug/l	99
47) Bromodichloromethane	9.37	83	150465	50.008	ug/l	98
48) Methyl methacrylate	9.17	41	102268	48.954	ug/l	99
49) 1,4-Dioxane	9.17	88	35381	896.096	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	636472	242.497	ug/l	99
52) Toluene	10.12	92	264322	49.659	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	156078	46.574	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	171610	47.775	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	108428	49.538	ug/l	98
56) Ethyl methacrylate	10.40	69	150405	49.796	ug/l	99
57) 1,3-Dichloropropane	10.68	76	179499	49.715	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	405497	244.061	ug/l	99
59) 2-Hexanone	10.72	43	458635	242.802	ug/l	99
60) Dibromochloromethane	10.87	129	124542	51.188	ug/l	98
61) 1,2-Dibromoethane	10.98	107	109248	49.128	ug/l	99
64) Tetrachloroethene	10.60	164	118779	45.084	ug/l	99
65) Chlorobenzene	11.41	112	287154	49.379	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	113724	53.213	ug/l	99
67) Ethyl Benzene	11.48	91	486872	50.116	ug/l	99
68) m/p-Xylenes	11.59	106	381471	103.713	ug/l	98
69) o-Xylene	11.92	106	182971	52.422	ug/l	99
70) Styrene	11.94	104	318432	54.042	ug/l	98
71) Bromoform	12.10	173	86972	50.952	ug/l #	99
73) Isopropylbenzene	12.22	105	478369	50.785	ug/l	99
74) N-amyl acetate	12.04	43	178205	48.073	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	142571	51.639	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	192222	65.910	ug/l #	100
77) Bromobenzene	12.50	156	124788	49.139	ug/l	98
78) n-propylbenzene	12.57	91	529159	49.312	ug/l	99
79) 2-Chlorotoluene	12.65	91	322416	48.607	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	409946	52.359	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	48280	45.372	ug/l	95
82) 4-Chlorotoluene	12.75	91	336799	48.441	ug/l	99
83) tert-Butylbenzene	12.97	119	335899	51.184	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	410790	51.893	ug/l	100
85) sec-Butylbenzene	13.14	105	428898	49.223	ug/l	99
86) p-Isopropyltoluene	13.26	119	398856	50.278	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	221436	49.079	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	218492	45.791	ug/l	99
89) n-Butylbenzene	13.59	91	312077	44.796	ug/l	99
90) Hexachloroethane	13.85	117	71816	52.112	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	222047	50.122	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	29235	47.060	ug/l	99

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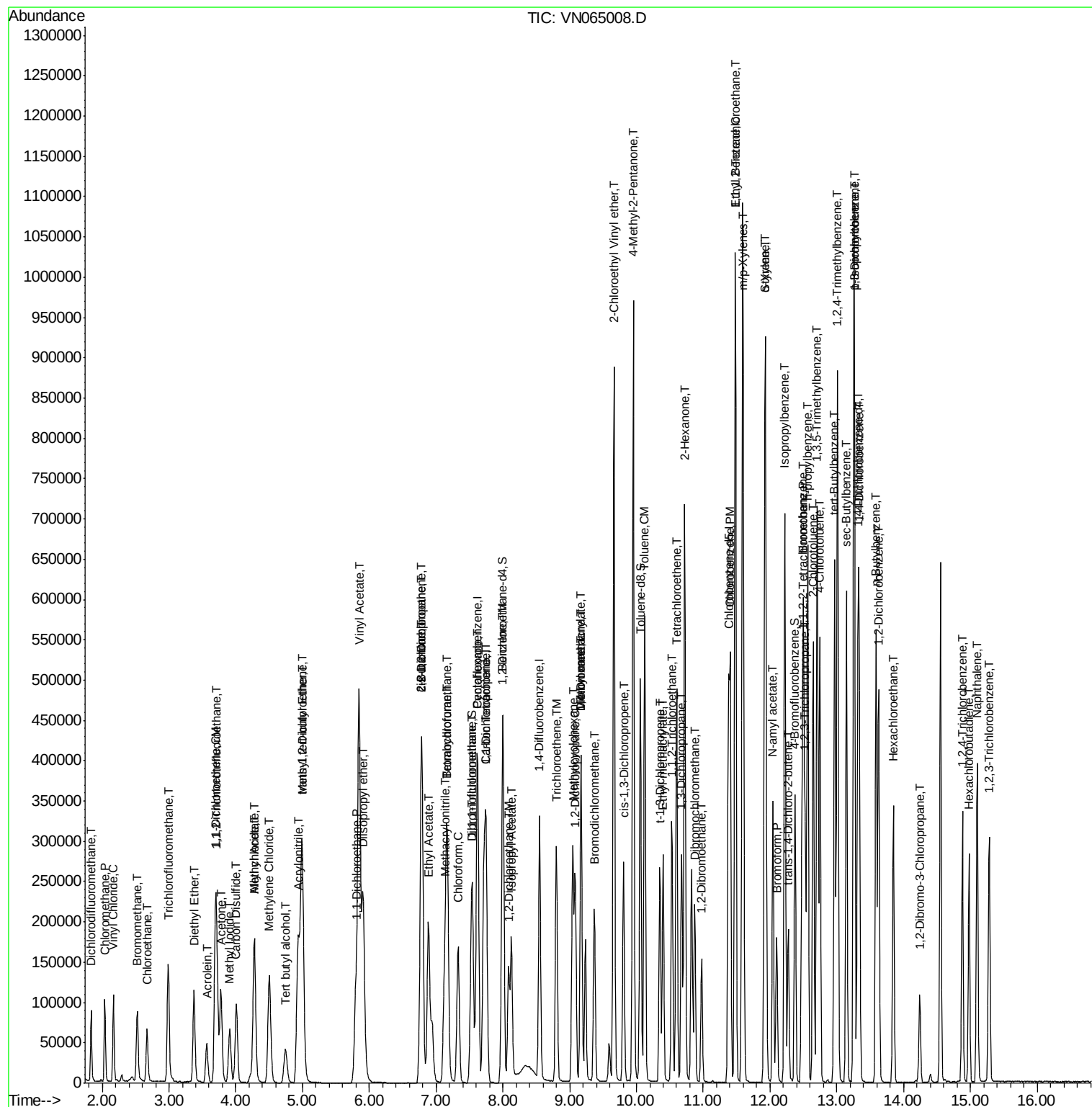
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	112527	41.060	ug/l	100
94) Hexachlorobutadiene	14.98	225	58143	47.135	ug/l	98
95) Naphthalene	15.10	128	345062	42.028	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	105945	40.940	ug/l	98

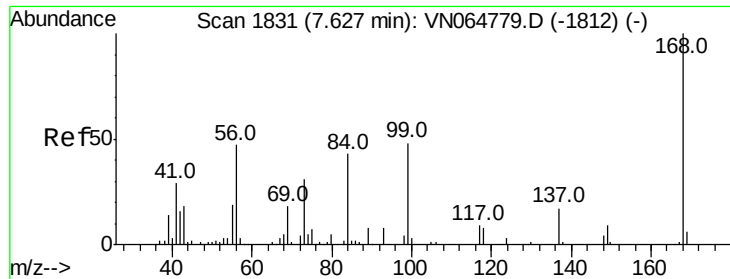
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

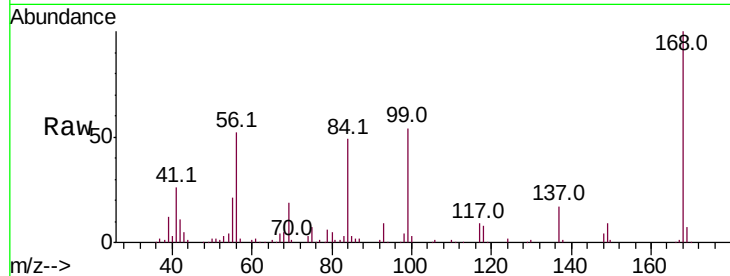
VSTDCCC050EC

Tot Ion:168 Resp: 188151

Ion Ratio Lower Upper

168 100

99 54.1 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

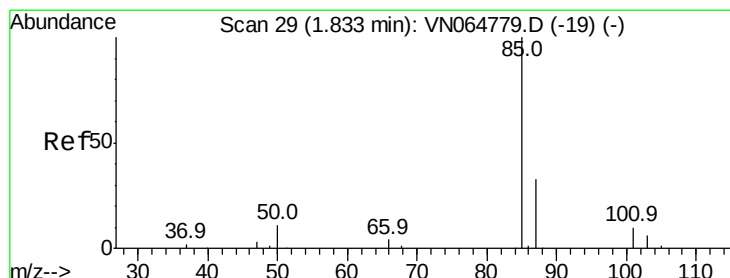
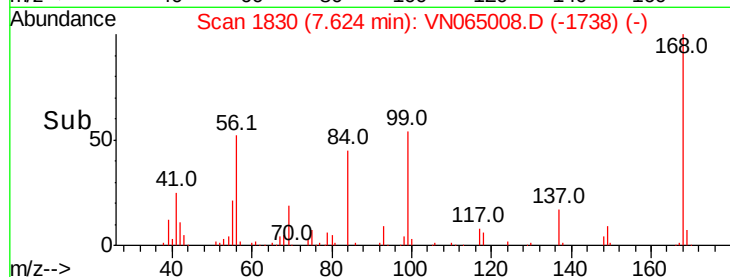
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 40.777 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN065008.D

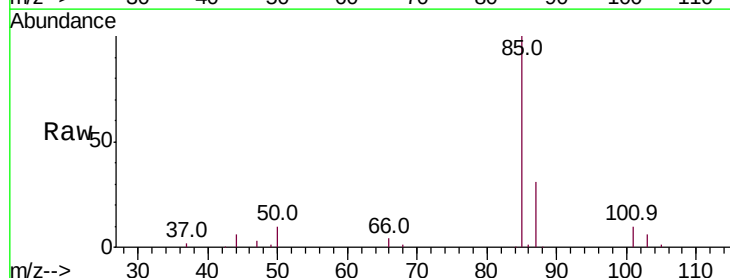
Acq: 9 Dec 2020 7:52

Tgt Ion: 85 Resp: 66494

Ion Ratio Lower Upper

85 100

87 31.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

50000

40000

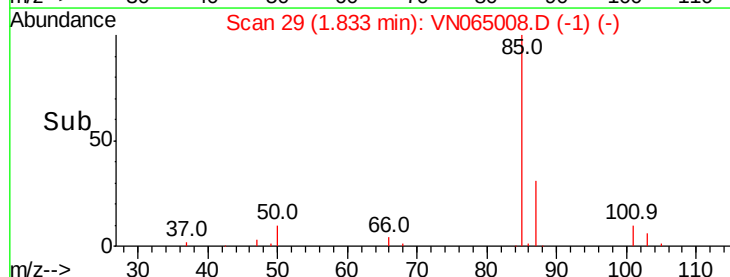
30000

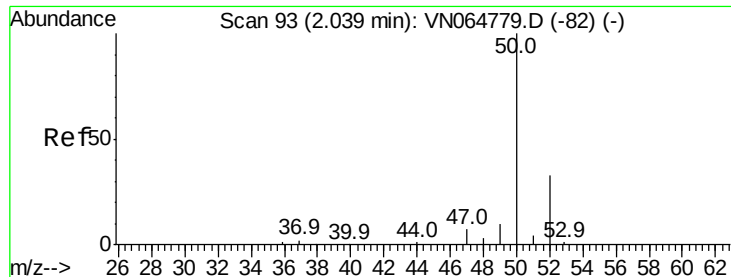
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 41.290 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

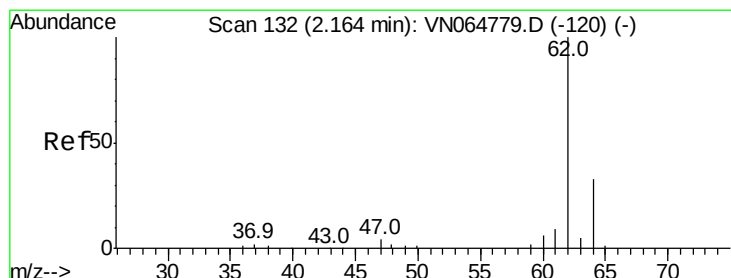
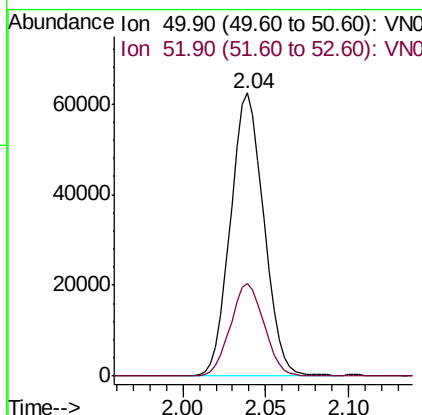
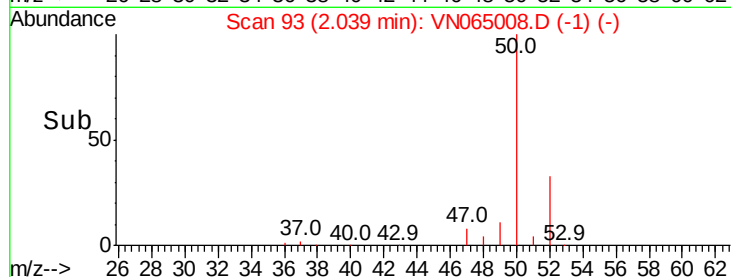
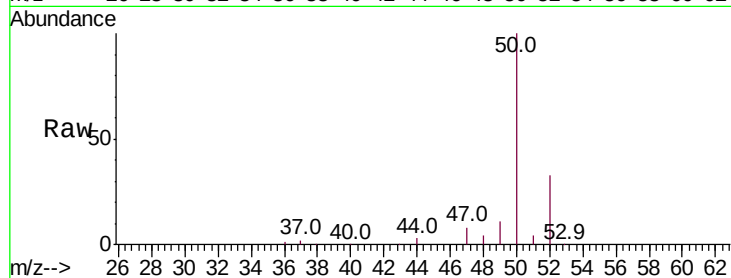
VSTDCCC050EC

Tot Ion: 50 Resp: 87495

Ion Ratio Lower Upper

50 100

52 32.8 26.6 39.8



#4

Vinyl Chloride

Concen: 43.448 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN065008.D

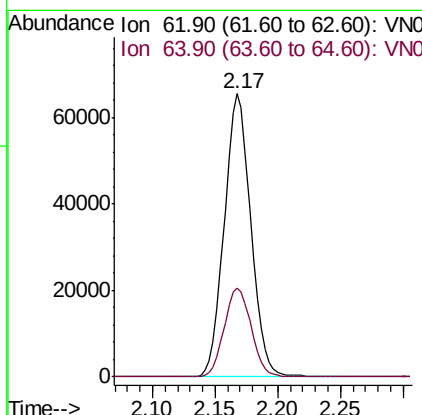
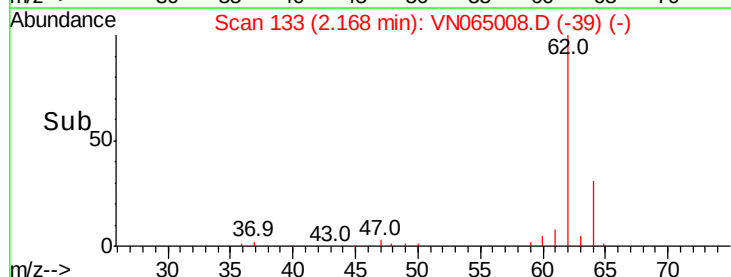
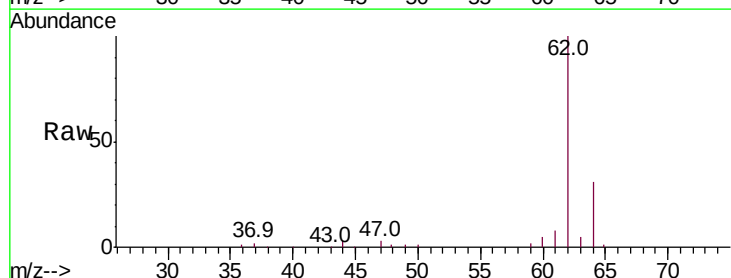
Acq: 9 Dec 2020 7:52

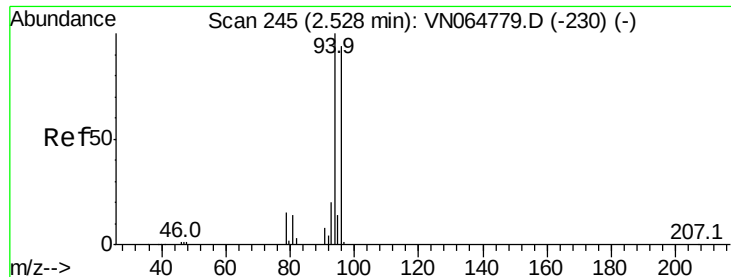
Tgt Ion: 62 Resp: 95989

Ion Ratio Lower Upper

62 100

64 31.4 26.5 39.7





#5

Bromomethane

Concen: 43.298 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

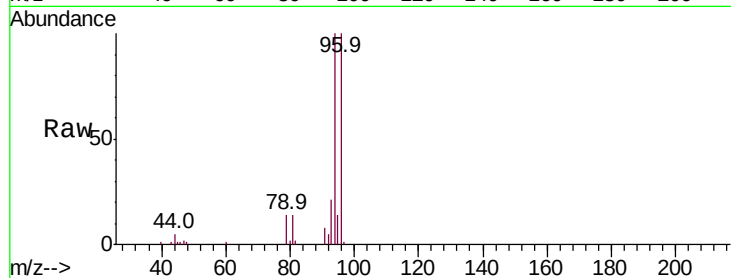
VSTDCCC050EC

Tot Ion: 94 Resp: 62758

Ion Ratio Lower Upper

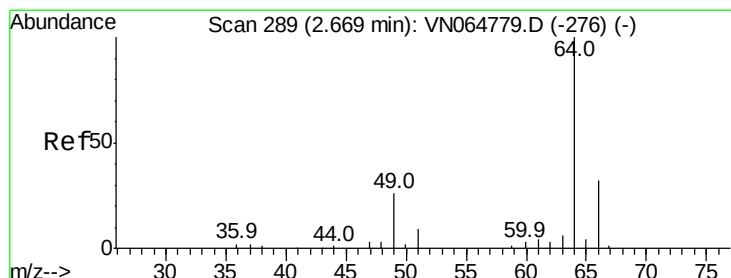
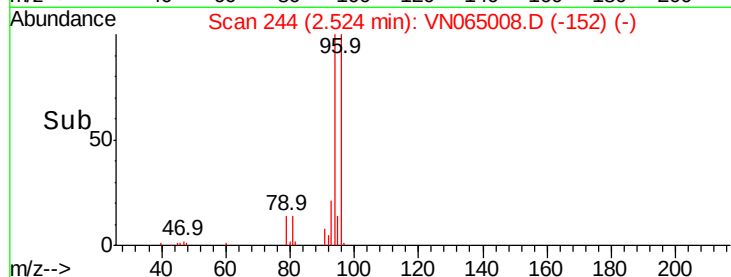
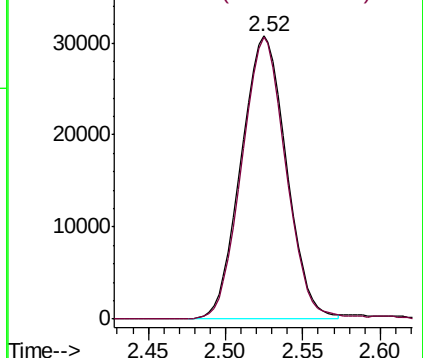
94 100

96 99.8 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.346 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN065008.D

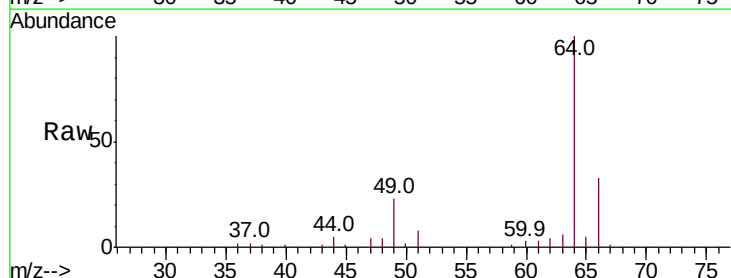
Acq: 9 Dec 2020 7:52

Tgt Ion: 64 Resp: 64695

Ion Ratio Lower Upper

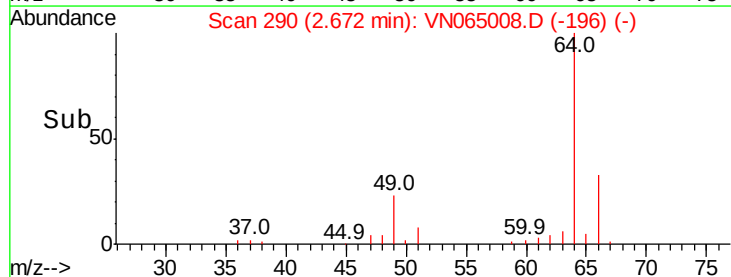
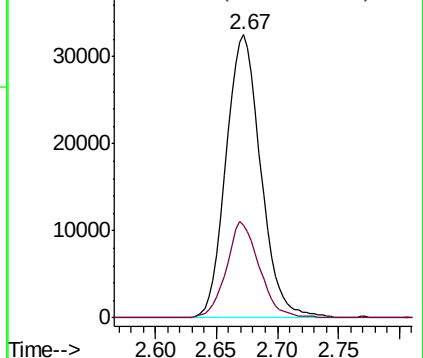
64 100

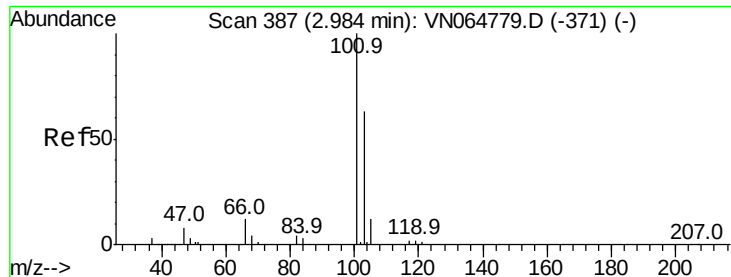
66 32.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



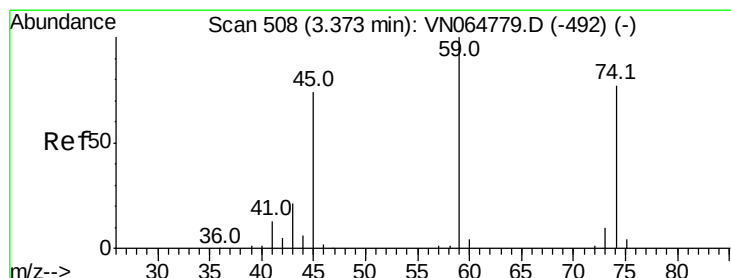
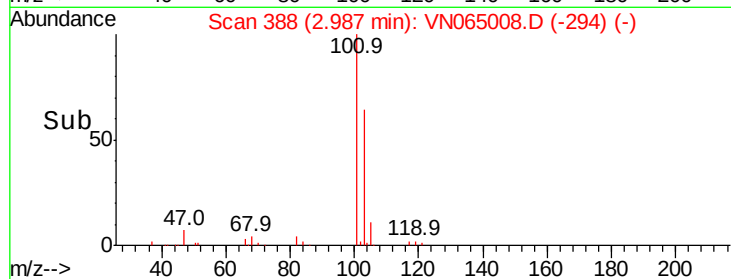
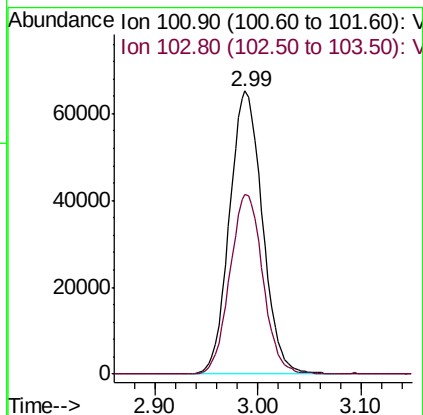
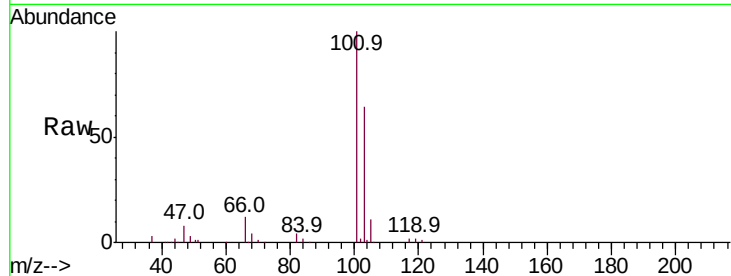


#7

Trichlorofluoromethane
 Concen: 47.496 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

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 ClientSampleId :
 VSTDCCC050EC

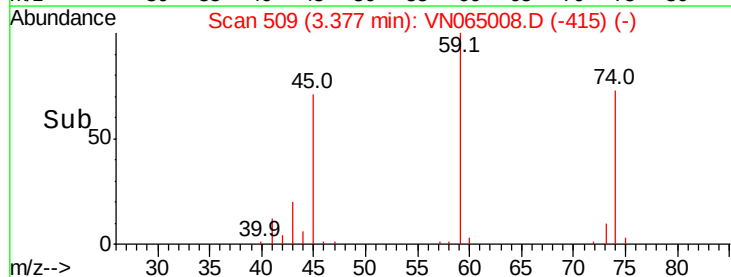
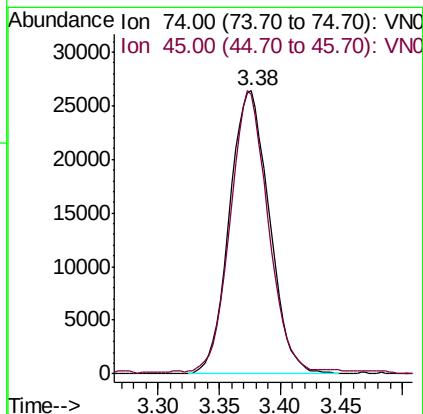
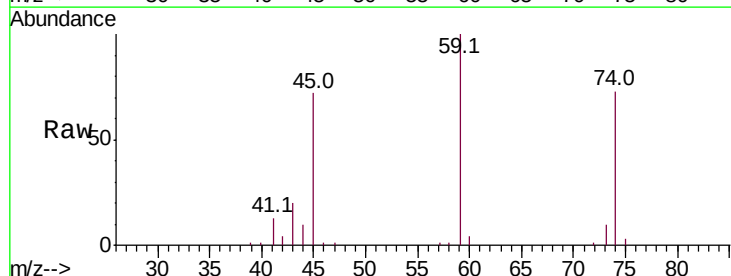
Tot Ion:101 Resp: 145049
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.5 75.7

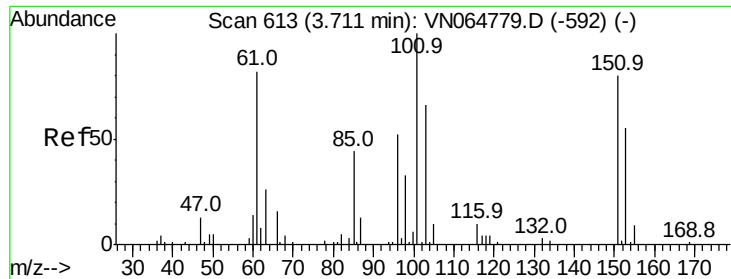


#8

Diethyl Ether
 Concen: 49.644 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion: 74 Resp: 59843
 Ion Ratio Lower Upper
 74 100
 45 93.3 48.9 146.8

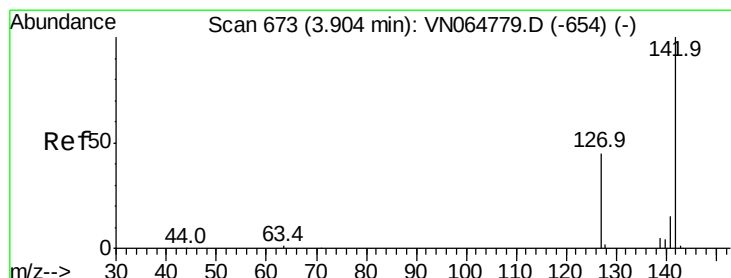
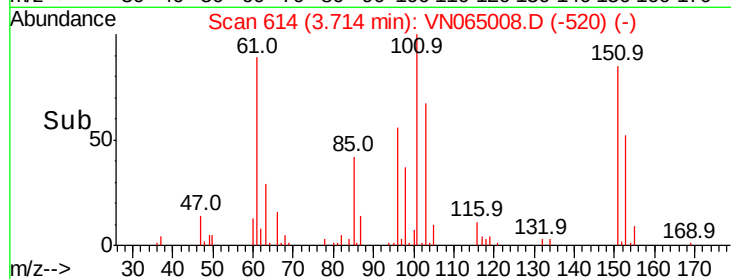
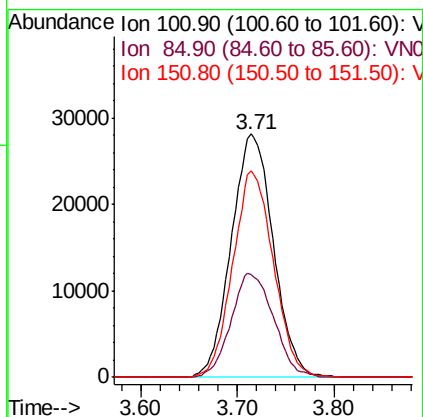
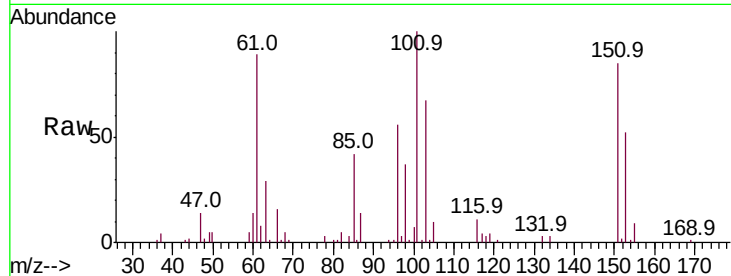




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.354 ug/l
 RT: 3.71 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

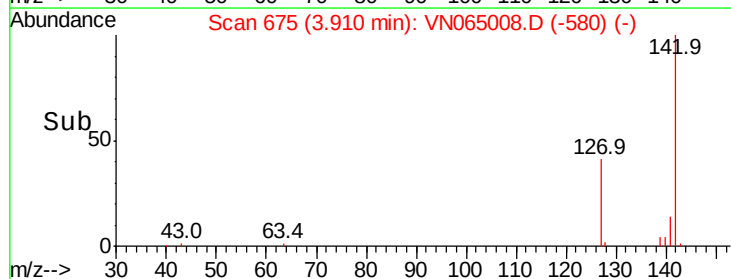
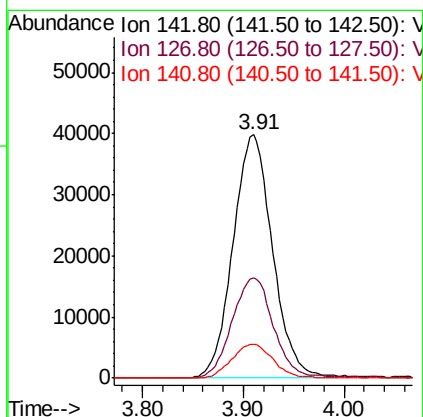
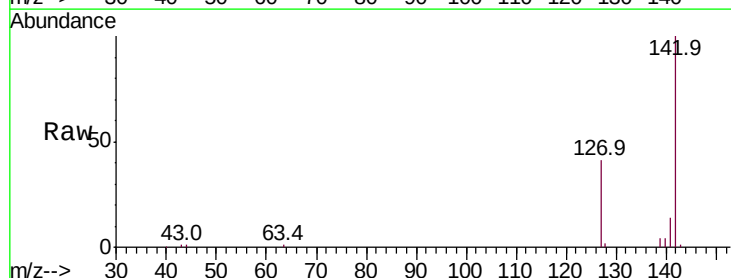
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

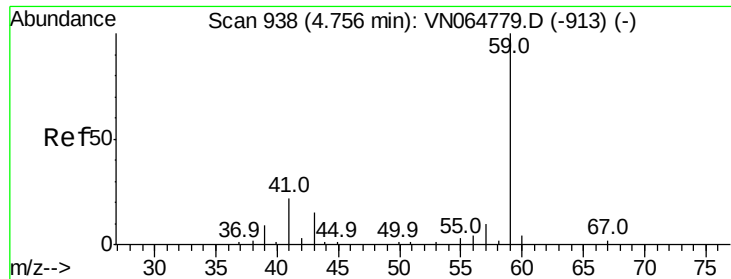
Tot Ion:101 Resp: 84920
 Ion Ratio Lower Upper
 101 100
 85 43.2 34.4 51.6
 151 82.1 64.0 96.0



#10
 Methyl Iodide
 Concen: 45.539 ug/l
 RT: 3.91 min Scan# 675
 Delta R.T. 0.01 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion:142 Resp: 108211
 Ion Ratio Lower Upper
 142 100
 127 43.0 35.0 52.6
 141 14.5 11.8 17.6

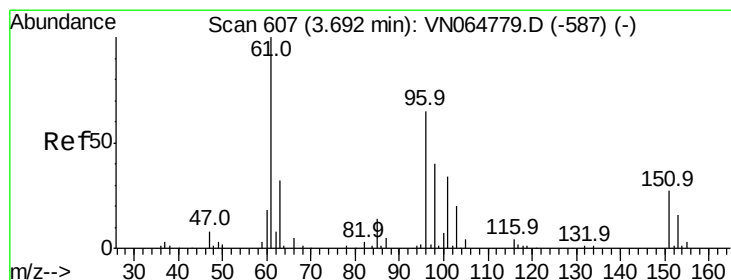
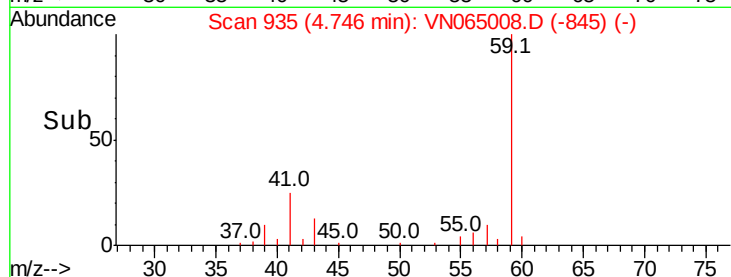
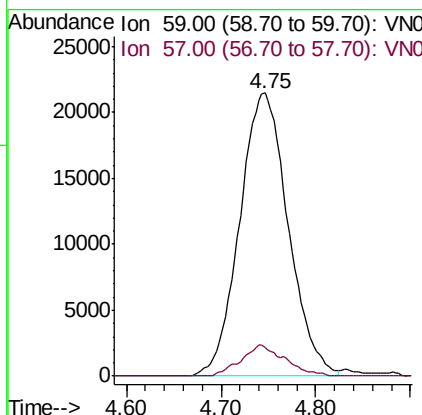
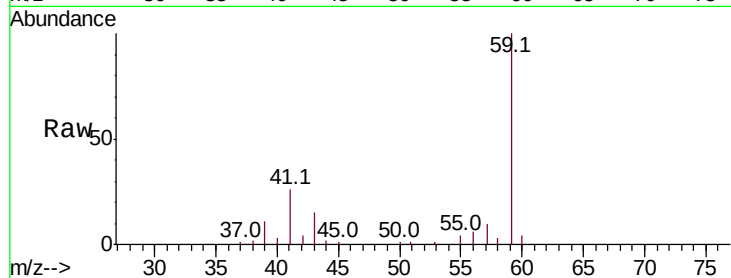




#11
Tert butyl alcohol
Concen: 224.095 ug/l
RT: 4.75 min Scan# 935
Delta R.T. -0.01 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

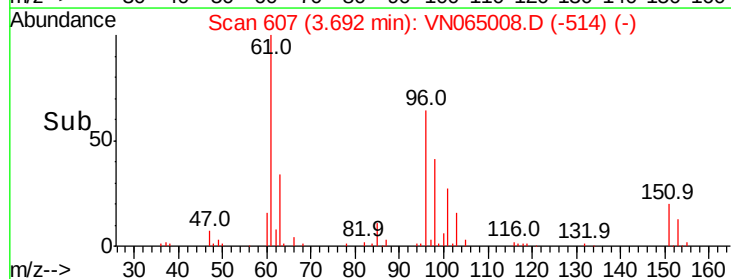
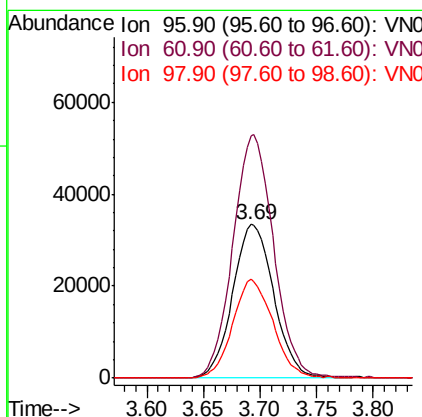
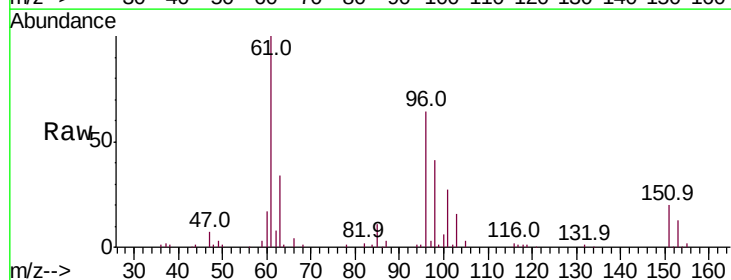
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

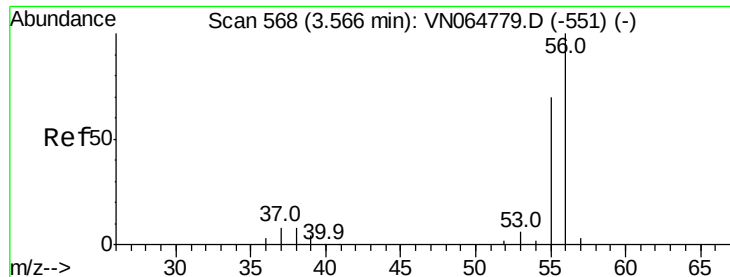
Tot Ion: 59 Resp: 76445
Ion Ratio Lower Upper
59 100
57 9.9 7.9 11.9



#12
1,1-Dichloroethene
Concen: 46.303 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion: 96 Resp: 84481
Ion Ratio Lower Upper
96 100
61 157.4 123.4 185.2
98 64.1 49.8 74.8

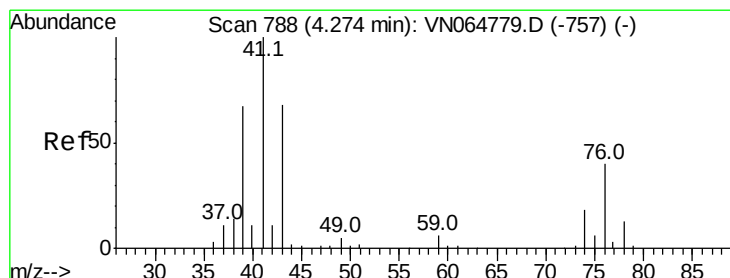
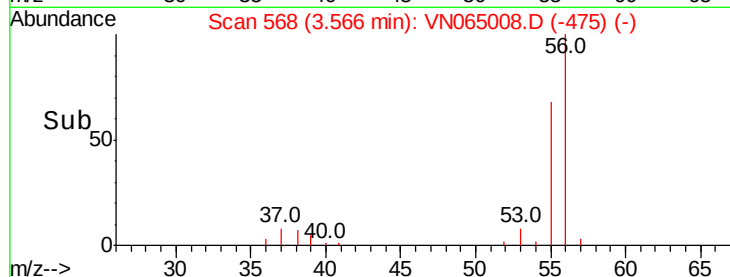
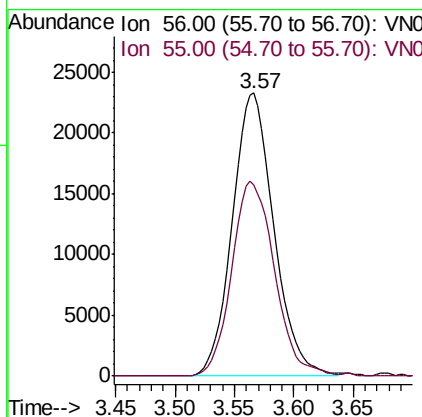
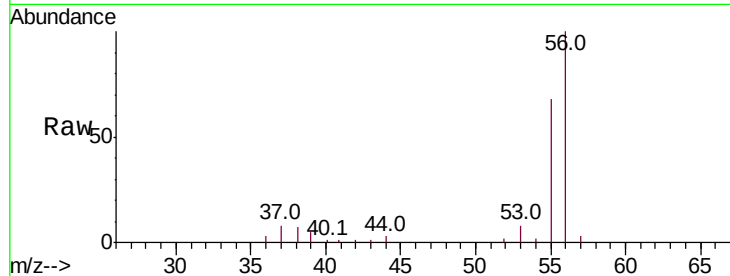




#13
Acrolein
Concen: 270.716 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

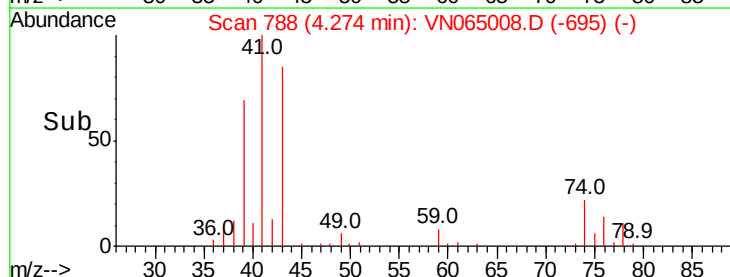
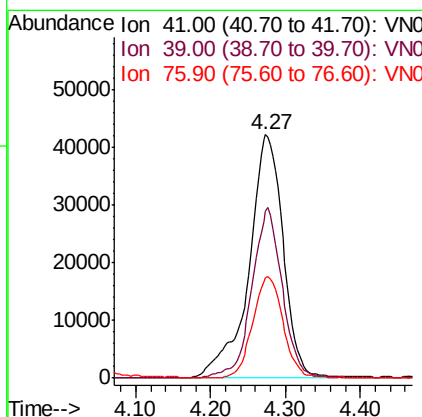
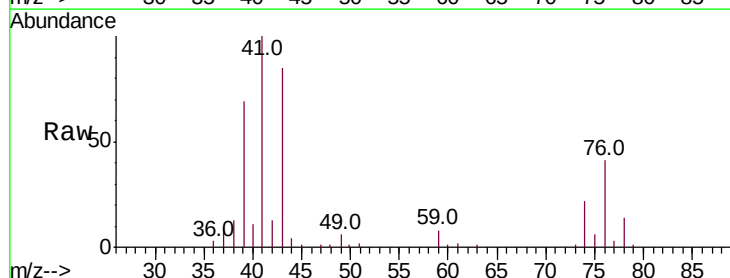
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

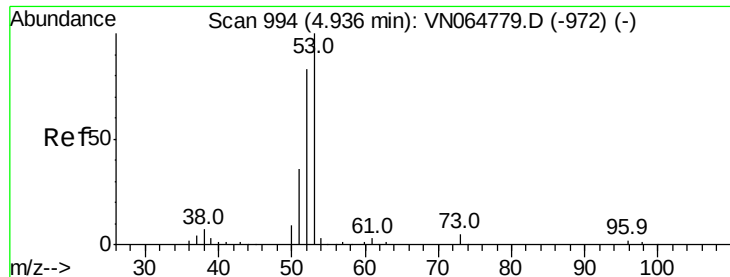
Tot Ion: 56 Resp: 56408
Ion Ratio Lower Upper
56 100
55 70.9 56.5 84.7



#14
Allyl chloride
Concen: 44.801 ug/l
RT: 4.27 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion: 41 Resp: 134816
Ion Ratio Lower Upper
41 100
39 61.9 50.9 76.3
76 36.9 29.0 43.4





#15

Acrylonitrile

Concen: 253.183 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.01 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

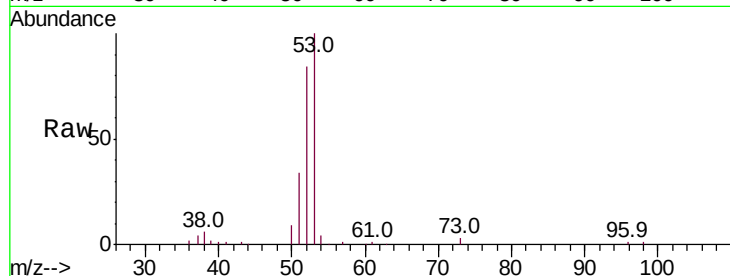
Tot Ion: 53 Resp: 238593

Ion Ratio Lower Upper

53 100

52 82.5 65.5 98.3

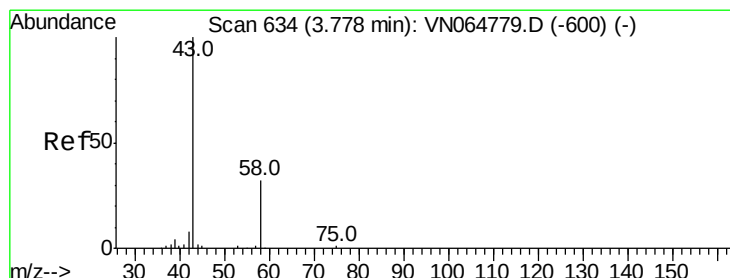
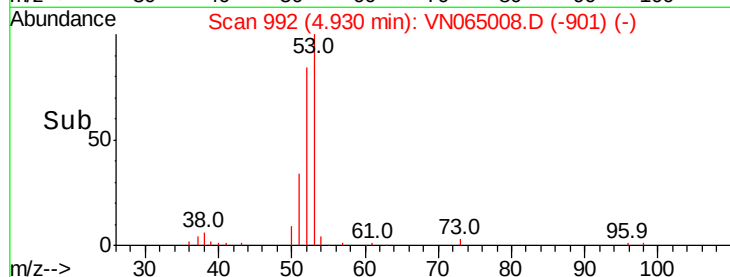
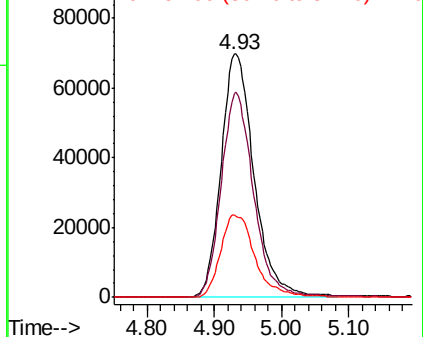
51 35.3 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN064779.D (-972) (-)

Ion 52.00 (51.70 to 52.70): VN064779.D (-972) (-)

Ion 51.00 (50.70 to 51.70): VN064779.D (-972) (-)



#16

Acetone

Concen: 255.670 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN065008.D

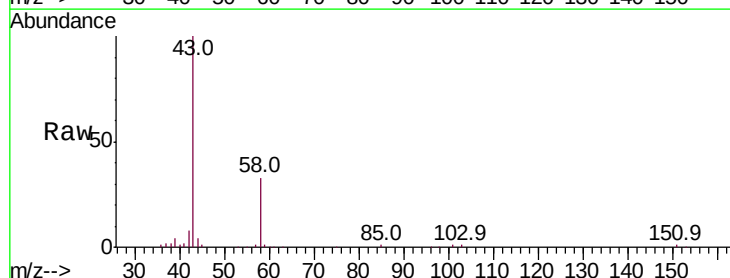
Acq: 9 Dec 2020 7:52

Tgt Ion: 43 Resp: 183840

Ion Ratio Lower Upper

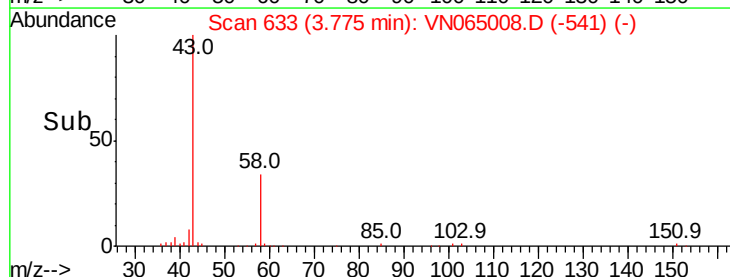
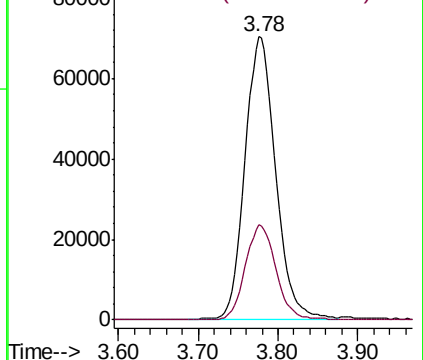
43 100

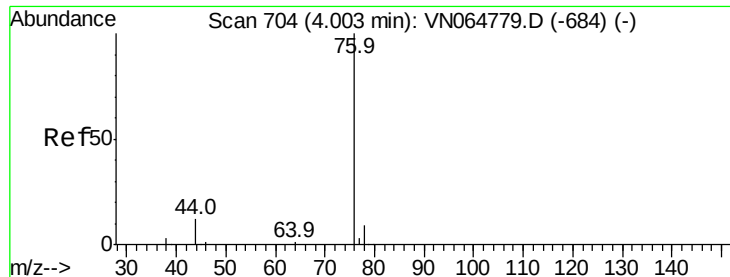
58 33.5 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-600) (-)





#17

Carbon Disulfide

Concen: 41.737 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

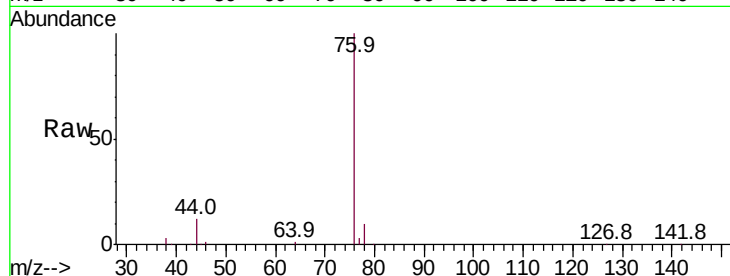
VSTDCCC050EC

Tot Ion: 76 Resp: 196614

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN064779.D (-684) (-)

Ion 77.90 (77.60 to 78.60): VN064779.D (-684) (-)

4.01

80000

60000

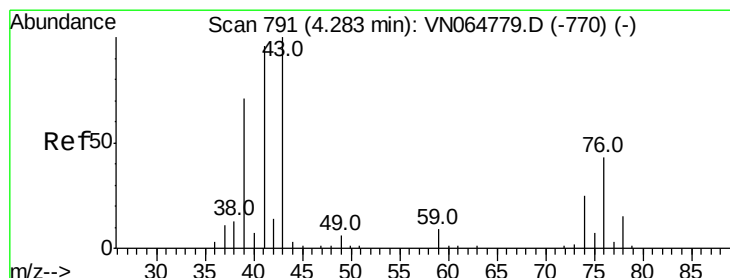
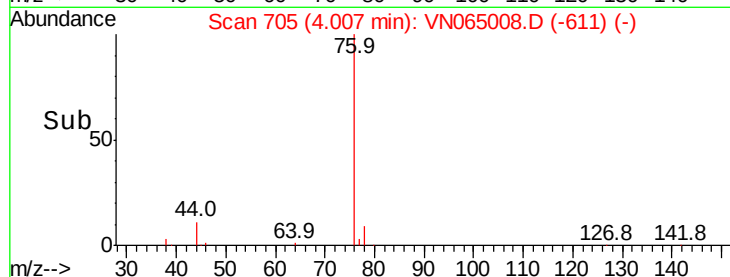
40000

20000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 52.547 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN065008.D

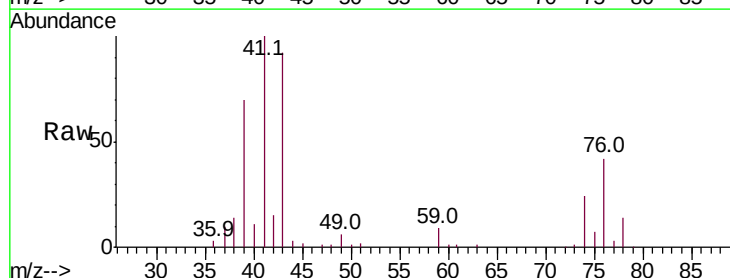
Acq: 9 Dec 2020 7:52

Tgt Ion: 43 Resp: 113600

Ion Ratio Lower Upper

43 100

74 24.8 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.30): VN064779.D (-770) (-)

Ion 74.00 (73.70 to 74.30): VN064779.D (-770) (-)

4.28

40000

30000

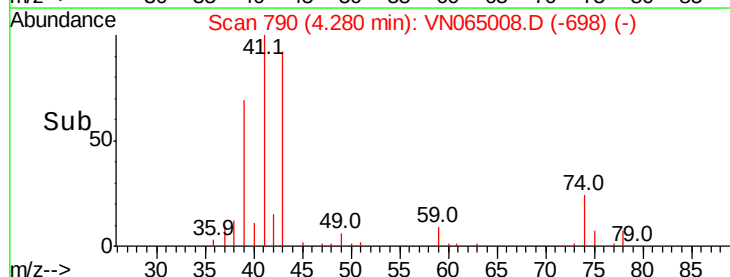
20000

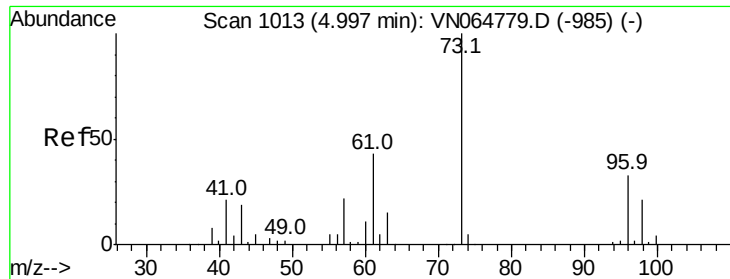
10000

0

Time-->

4.20 4.30 4.40

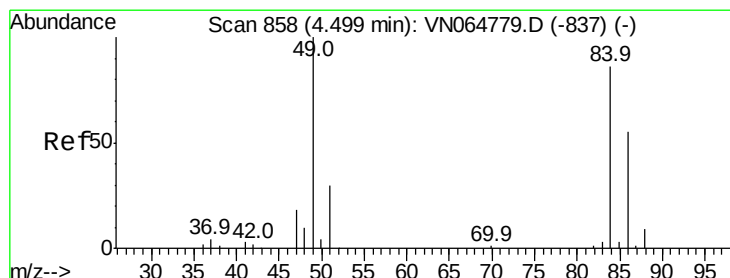
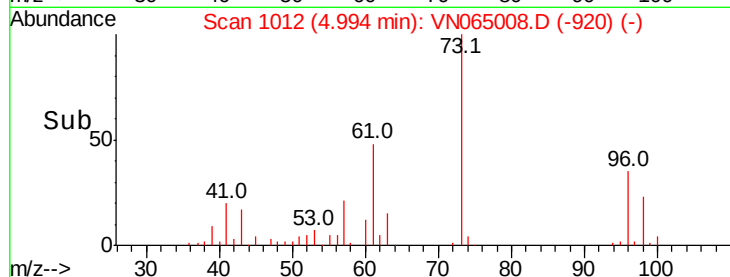
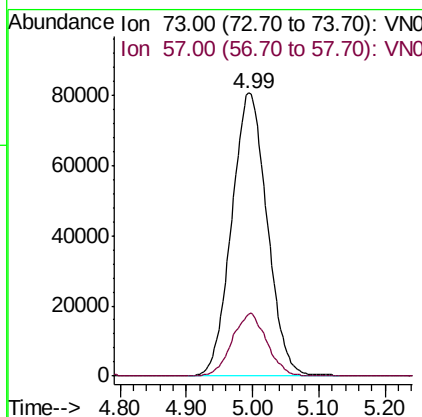
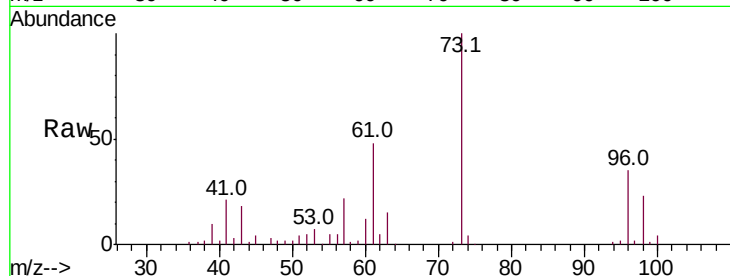




#19
Methyl tert-butyl Ether
Concen: 51.305 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

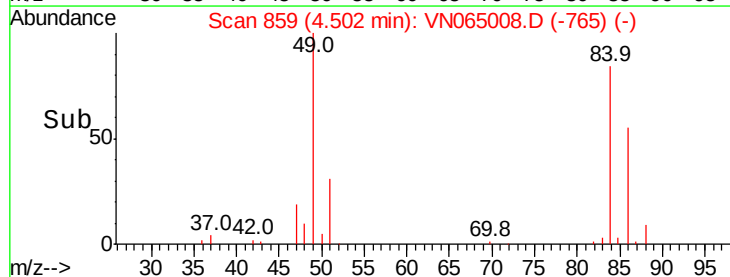
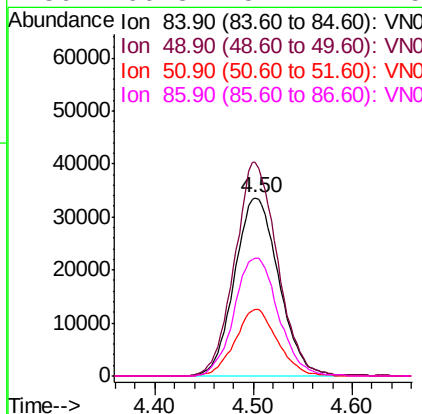
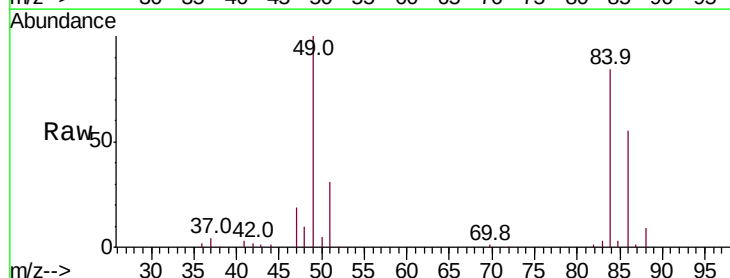
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

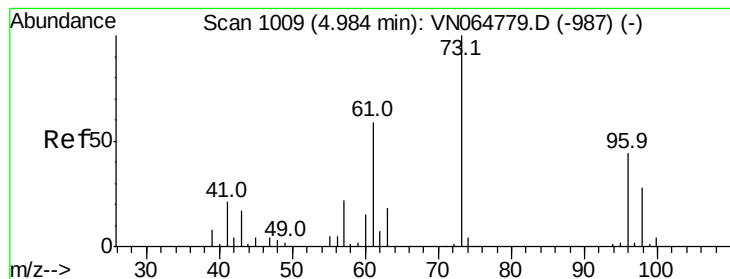
Tot Ion: 73 Resp: 300215
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.0



#20
Methylene Chloride
Concen: 46.407 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion: 84 Resp: 104565
Ion Ratio Lower Upper
84 100
49 119.7 93.4 140.0
51 37.1 28.2 42.4
86 66.3 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 45.964 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

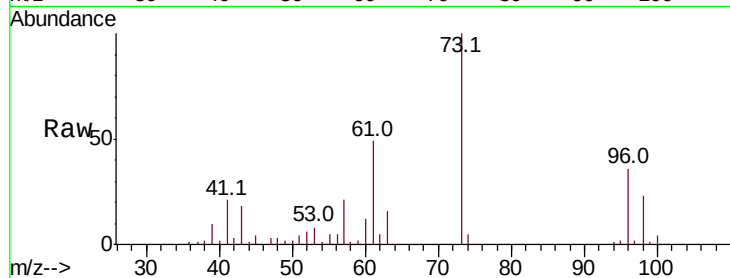
Tot Ion: 96 Resp: 93128

Ion Ratio Lower Upper

96 100

61 136.7 108.4 162.6

98 63.8 51.3 76.9

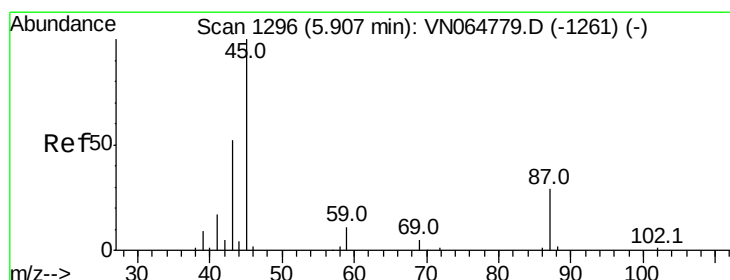
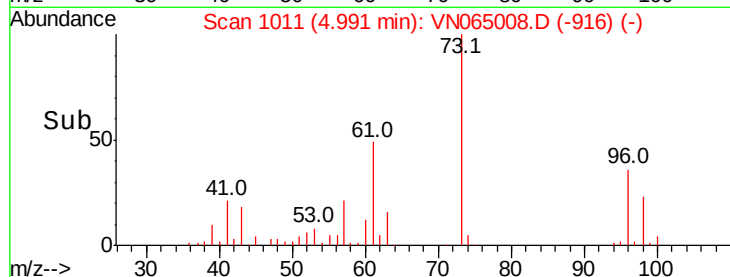
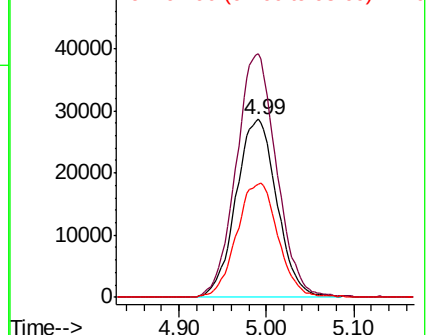


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 51.479 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Tgt Ion: 45 Resp: 310067

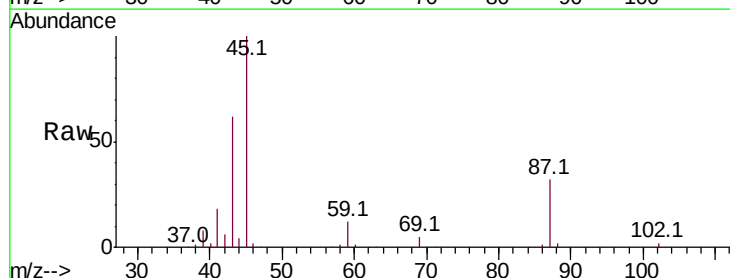
Ion Ratio Lower Upper

45 100

43 60.2 46.2 69.2

87 31.8 24.1 36.1

59 12.2 9.0 13.4



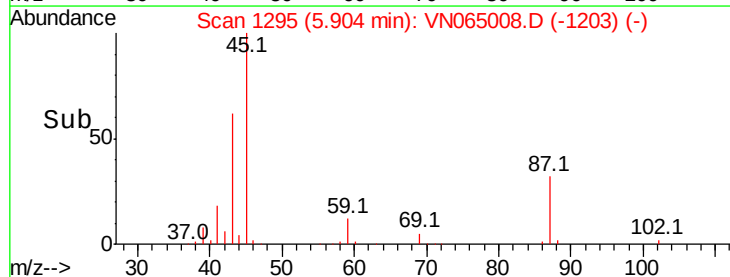
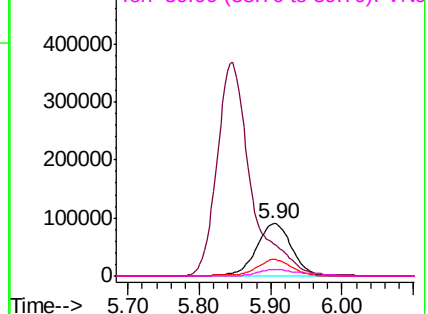
Abundance

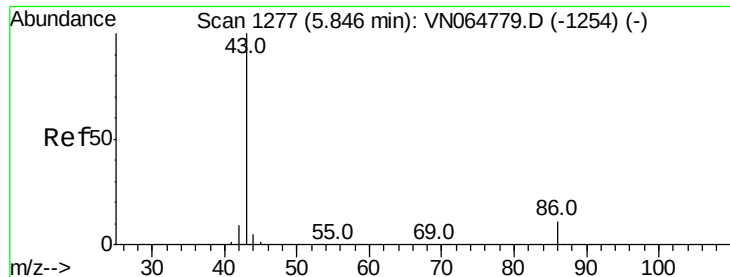
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 253.579 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

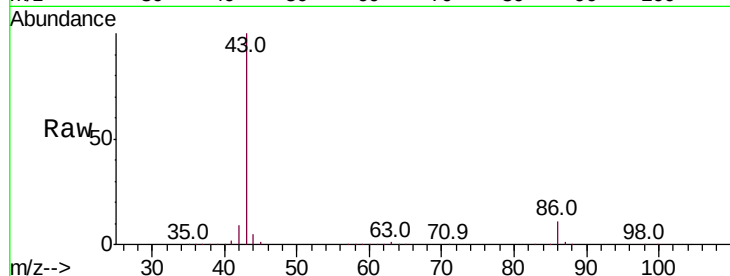
VSTDCCC050EC

Tot Ion: 43 Resp: 1221392

Ion Ratio Lower Upper

43 100

86 11.2 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN064779.D (-1254) (-)

5.85

400000

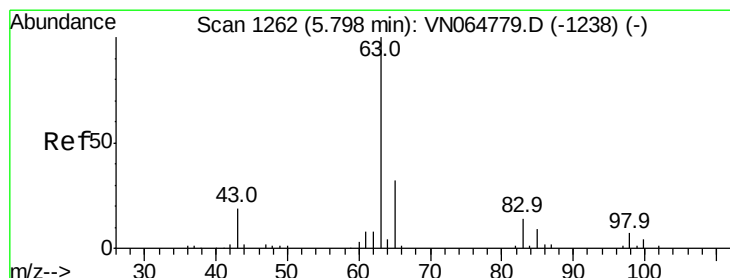
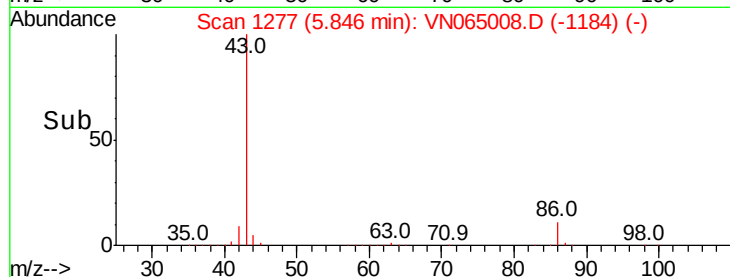
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.506 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

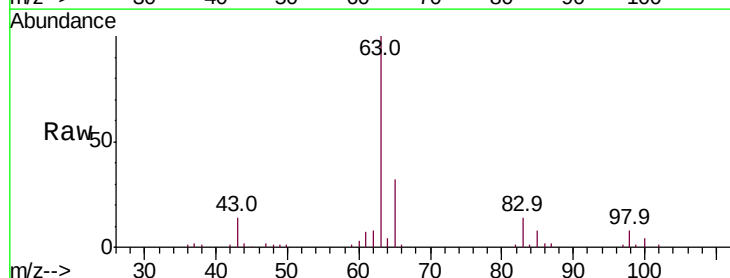
Tgt Ion: 63 Resp: 181805

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.5

100 3.9 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN064779.D (-1238) (-)

Ion 97.90 (97.60 to 98.60): VN064779.D (-1238) (-)

Ion 99.90 (99.60 to 100.60): VN064779.D (-1238) (-)

5.79

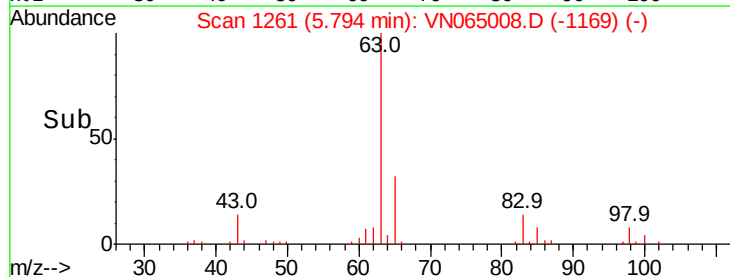
60000

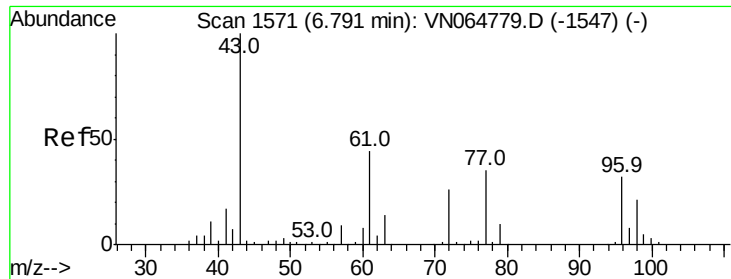
40000

20000

0

Time-->

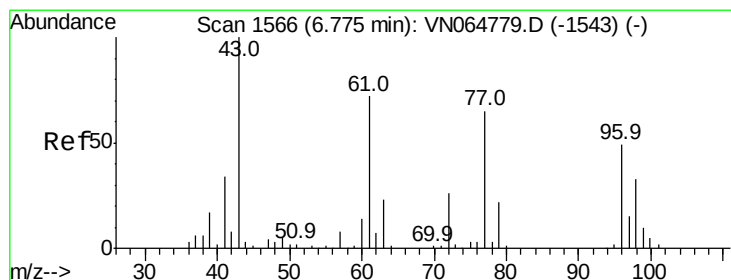
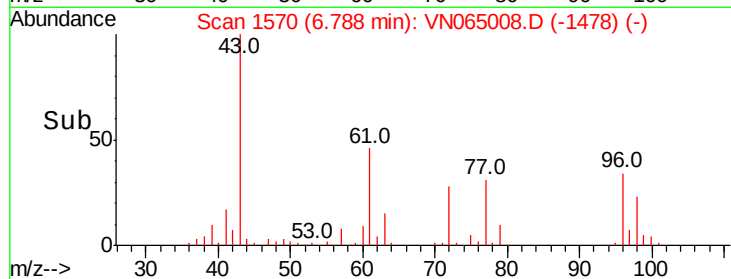
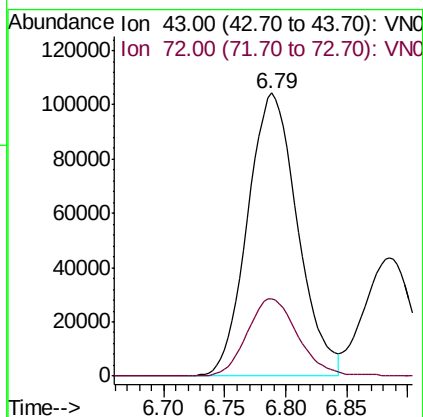
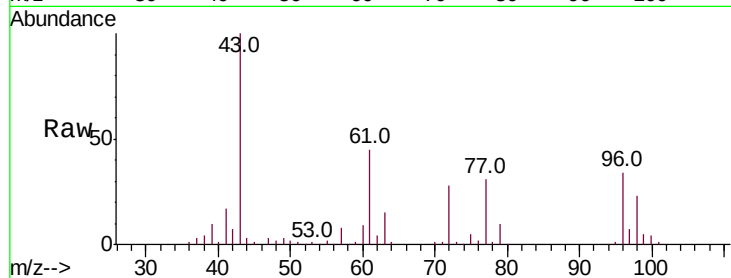




#25
2-Butanone
Concen: 254.578 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

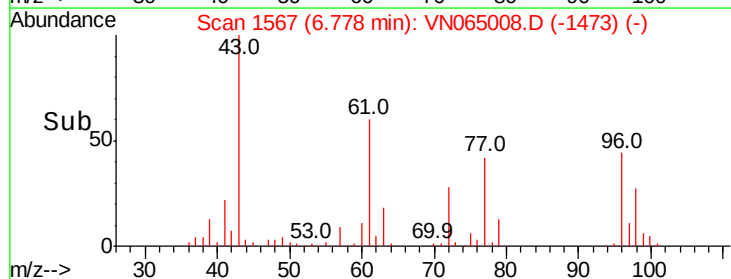
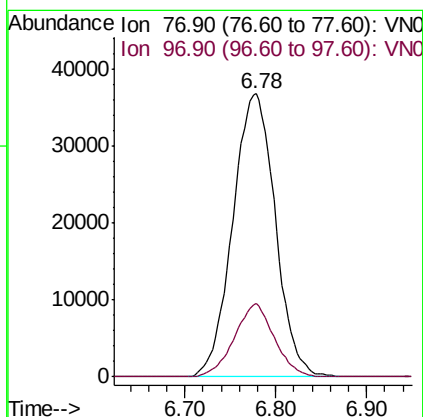
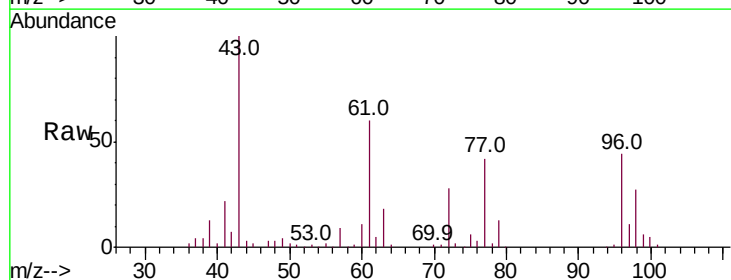
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

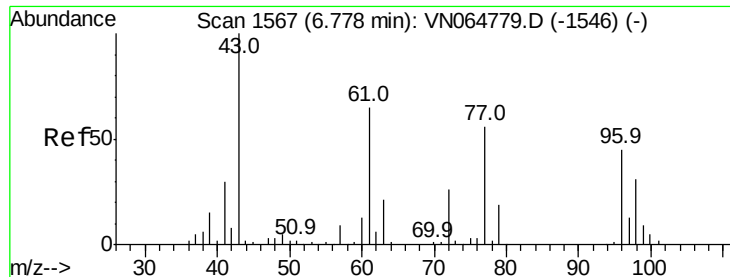
Tot Ion: 43 Resp: 296741
Ion Ratio Lower Upper
43 100
72 27.5 21.0 31.6



#26
2,2-Dichloropropane
Concen: 38.324 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion: 77 Resp: 119647
Ion Ratio Lower Upper
77 100
97 24.2 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 49.035 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

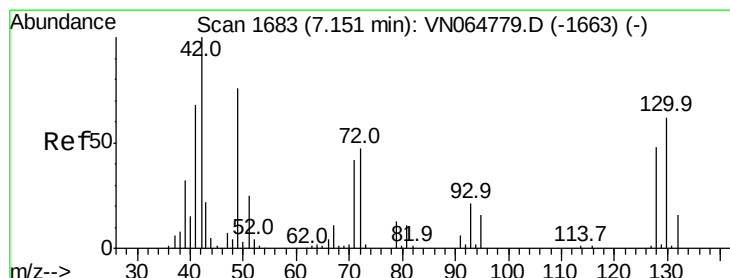
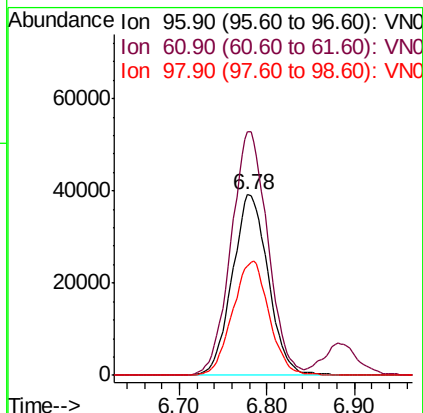
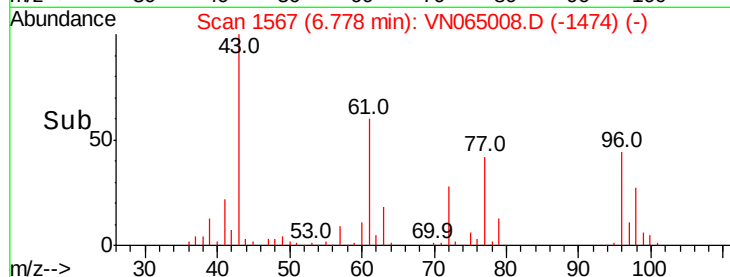
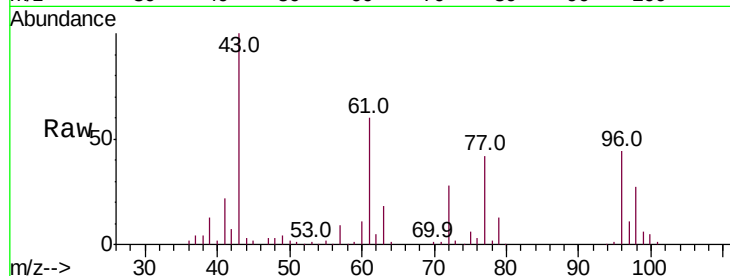
Tot Ion: 96 Resp: 111794

Ion Ratio Lower Upper

96 100

61 137.7 0.0 285.8

98 64.2 0.0 130.6



#28

Bromochloromethane

Concen: 48.186 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

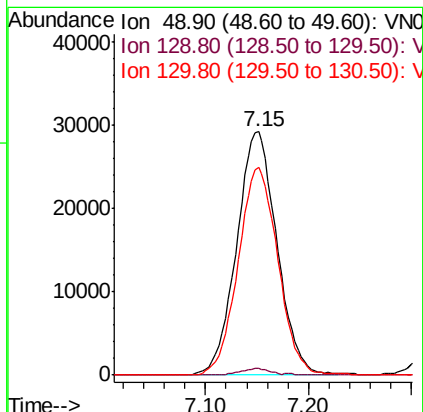
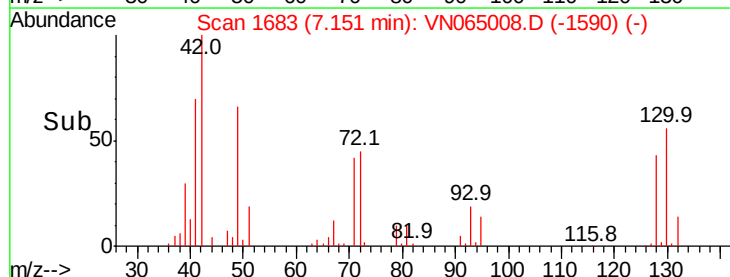
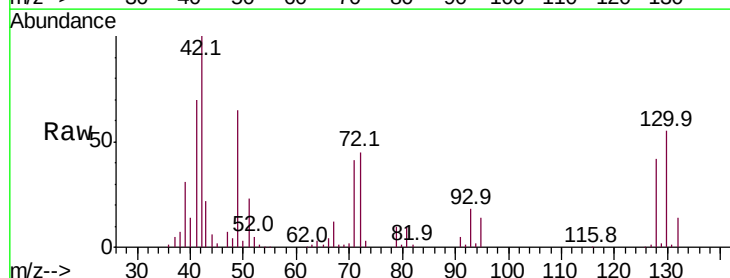
Tgt Ion: 49 Resp: 79350

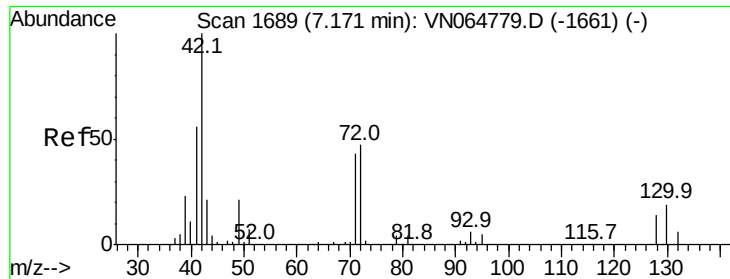
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 84.3 66.2 99.2





#29

Tetrahydrofuran

Concen: 246.513 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

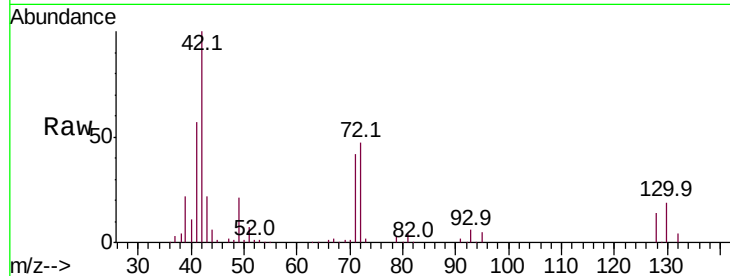
Tot Ion: 42 Resp: 198349

Ion Ratio Lower Upper

42 100

72 45.5 36.6 54.8

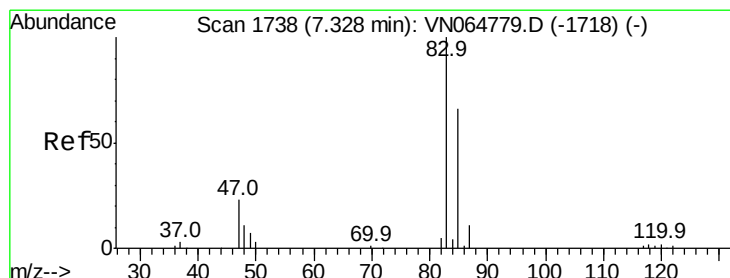
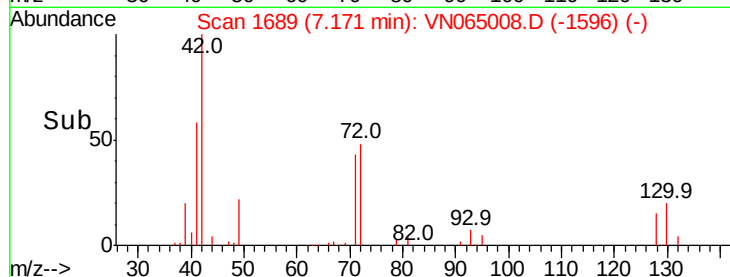
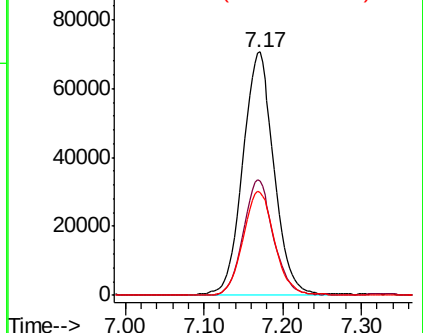
71 42.9 33.6 50.4



Abundance Ion 42.00 (41.70 to 42.70): VN064779.D (-1661) (-)

Ion 72.00 (71.70 to 72.70): VN064779.D (-1661) (-)

Ion 71.00 (70.70 to 71.70): VN064779.D (-1661) (-)



#30

Chloroform

Concen: 50.455 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN065008.D

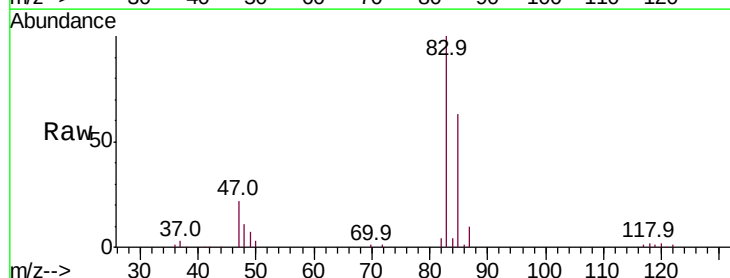
Acq: 9 Dec 2020 7:52

Tgt Ion: 83 Resp: 187294

Ion Ratio Lower Upper

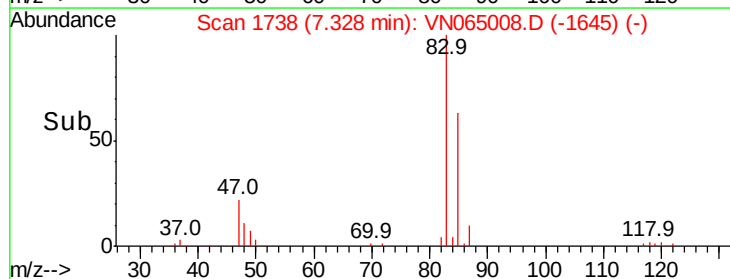
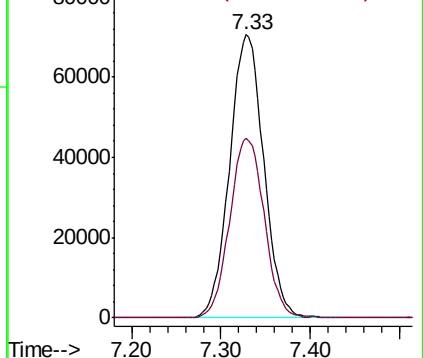
83 100

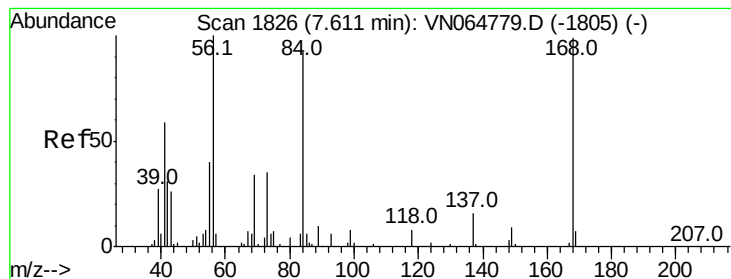
85 63.3 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN064779.D (-1718) (-)

Ion 84.90 (84.60 to 85.60): VN064779.D (-1718) (-)





#31

Cyclohexane

Concen: 43.827 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

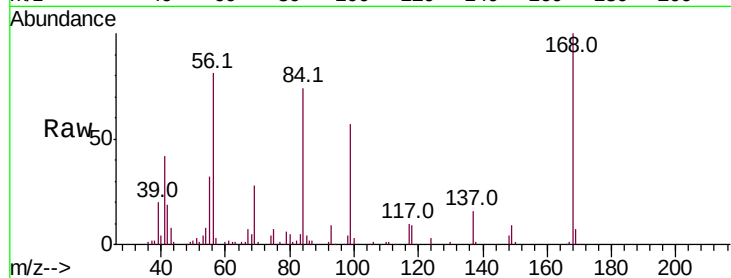
Tot Ion: 56 Resp: 133616

Ion Ratio Lower Upper

56 100

69 34.0 27.5 41.3

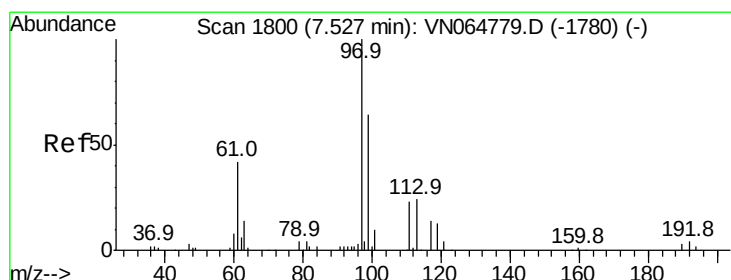
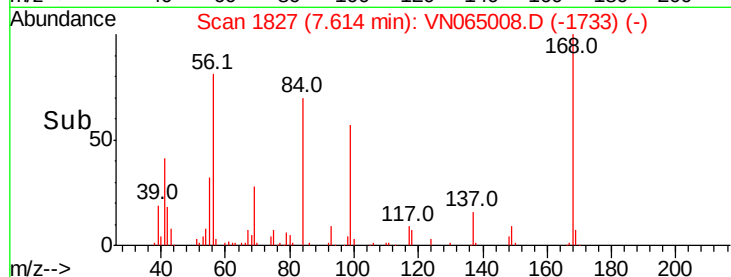
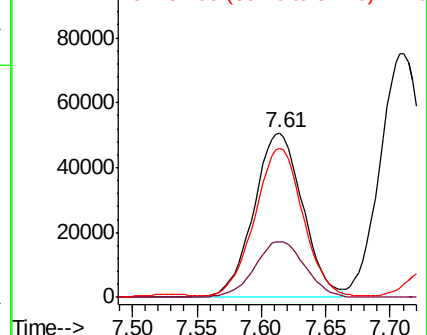
84 89.4 73.9 110.9



Abundance Ion 56.00 (55.70 to 56.70): VN064779.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN064779.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN064779.D (-1805) (-)



#32

1,1,1-Trichloroethane

Concen: 50.061 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

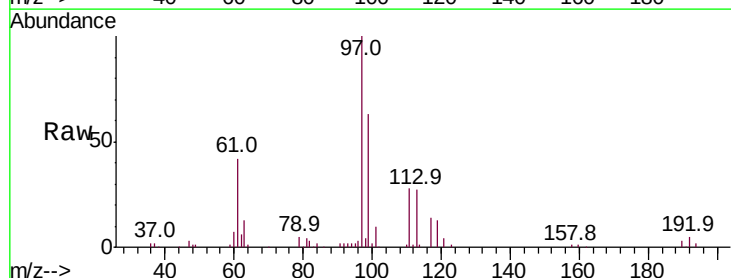
Tgt Ion: 97 Resp: 159605

Ion Ratio Lower Upper

97 100

99 63.6 51.7 77.5

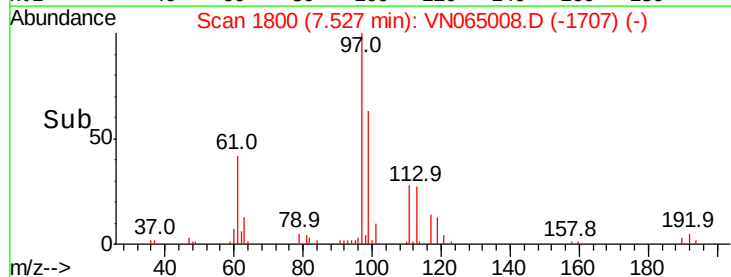
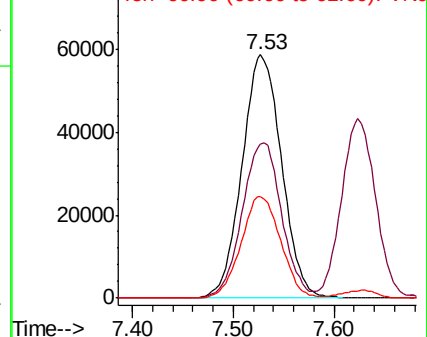
61 42.0 33.9 50.9

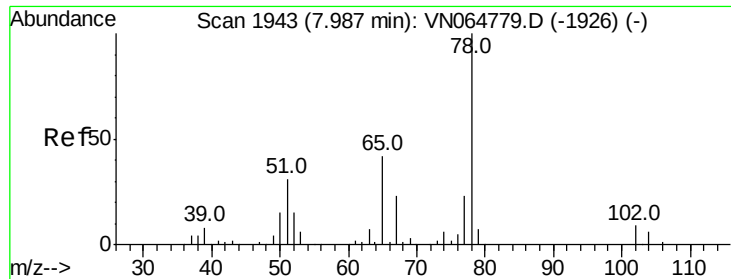


Abundance Ion 96.90 (96.60 to 97.60): VN064779.D (-1780) (-)

Ion 98.90 (98.60 to 99.60): VN064779.D (-1780) (-)

Ion 60.90 (60.60 to 61.60): VN064779.D (-1780) (-)

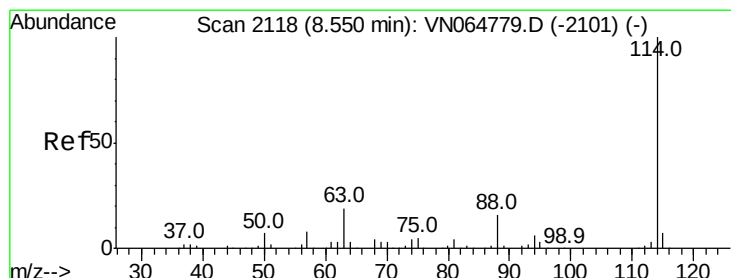
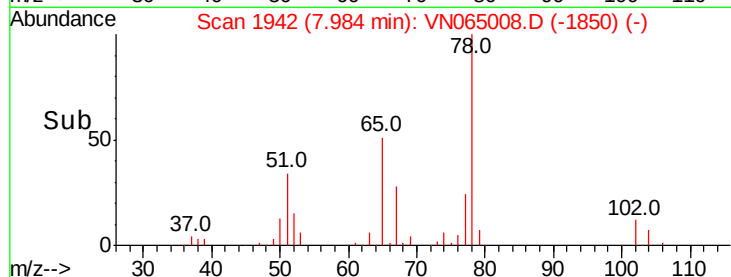
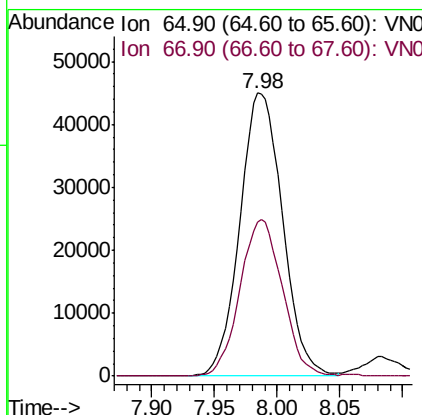
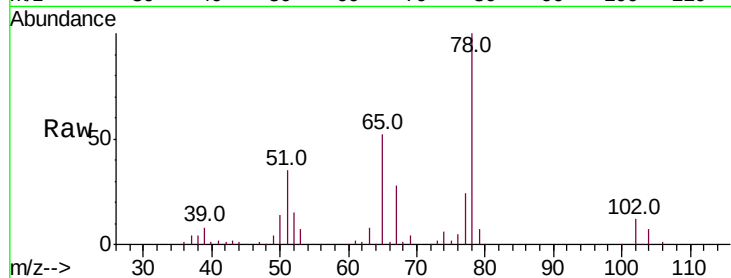




#33
 1,2-Dichloroethane-d4
 Concen: 48.734 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

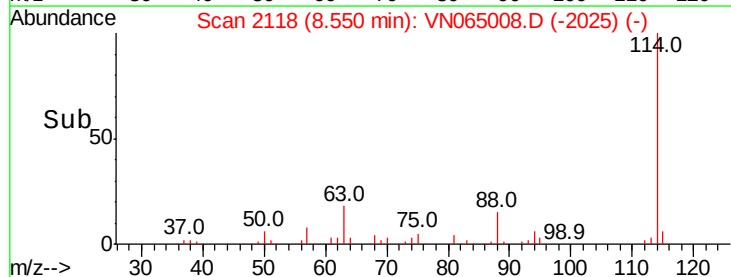
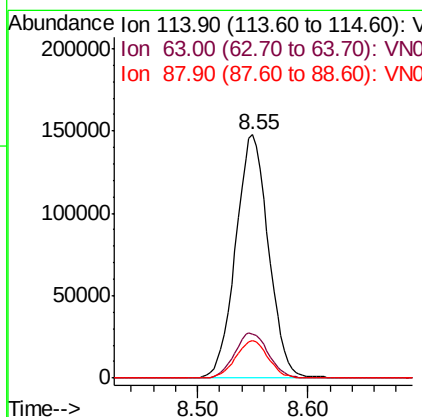
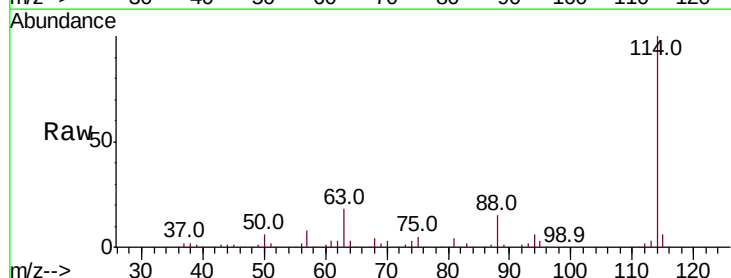
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

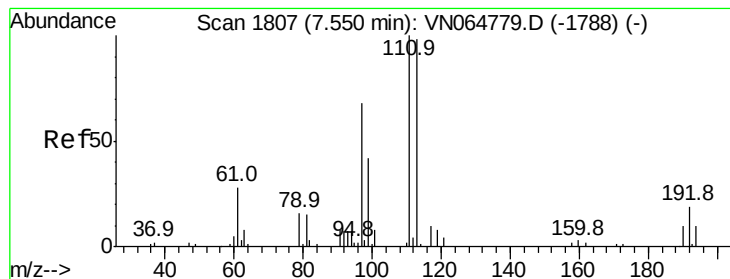
Tot Ion: 65 Resp: 106599
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion: 114 Resp: 304299
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 38.6
 88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.301 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

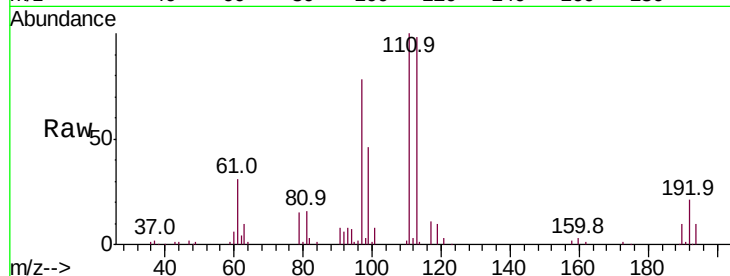
Tot Ion:113 Resp: 93410

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

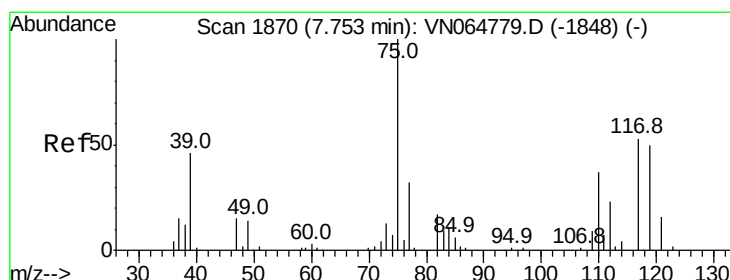
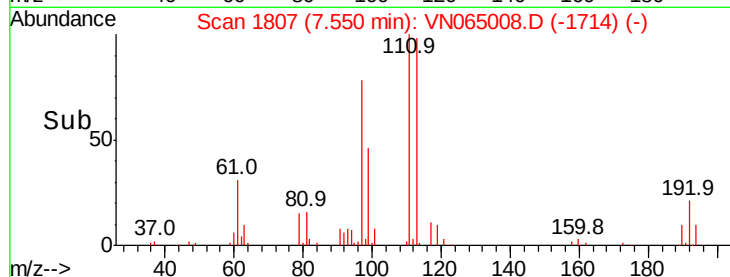
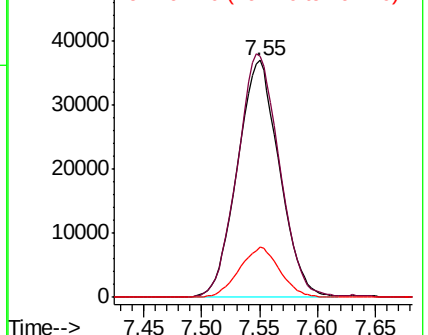
192 20.2 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.822 ug/l

RT: 7.75 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

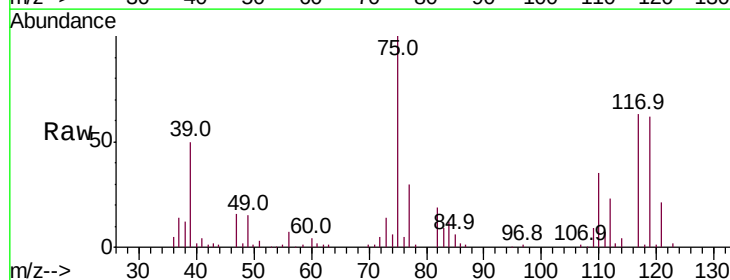
Tgt Ion: 75 Resp: 132064

Ion Ratio Lower Upper

75 100

110 36.3 17.8 53.3

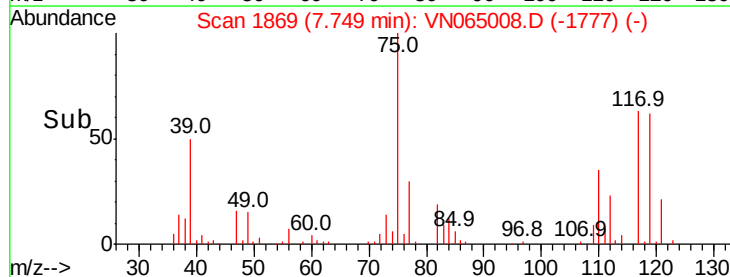
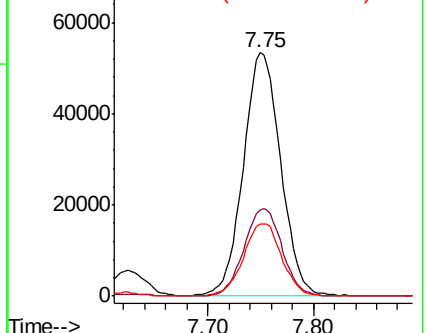
77 30.7 25.0 37.4

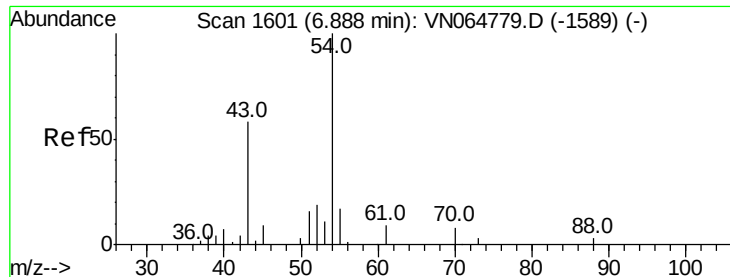


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

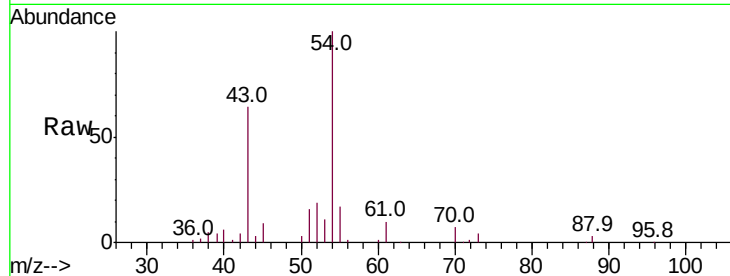




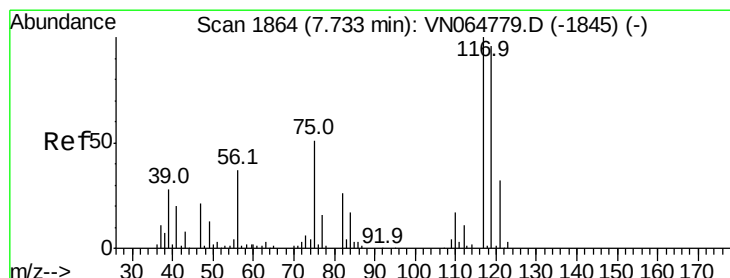
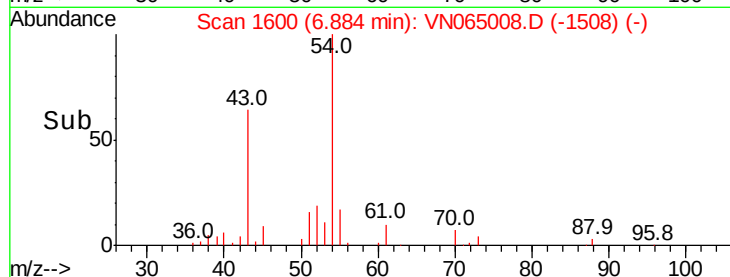
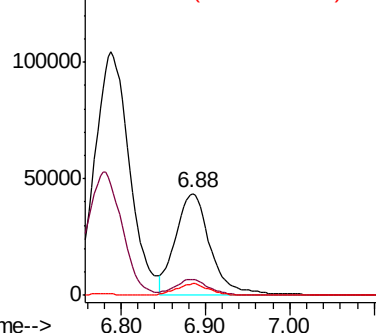
#37
Ethyl Acetate
Concen: 45.951 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 124846
Ion Ratio Lower Upper
43 100
61 15.7 12.8 19.2
70 11.1 8.8 13.2

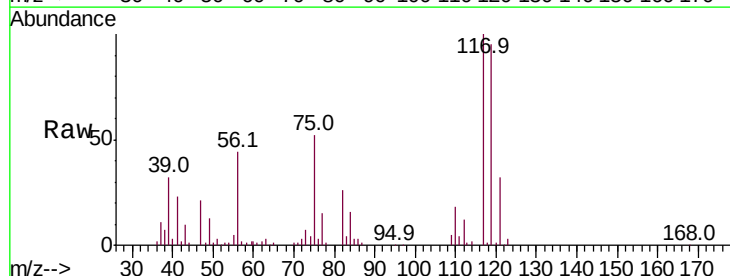


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

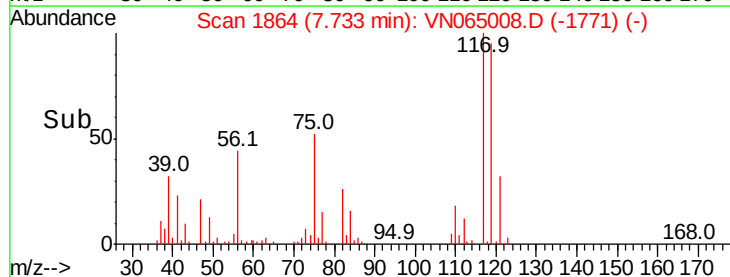
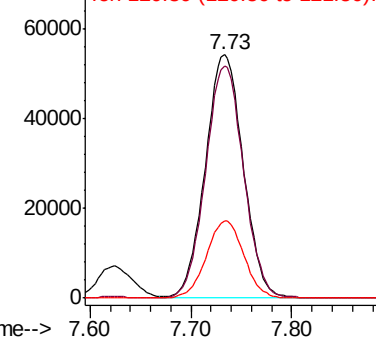


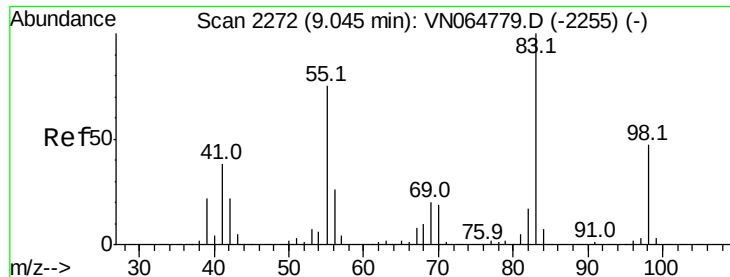
#38
Carbon Tetrachloride
Concen: 48.186 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion: 117 Resp: 141415
Ion Ratio Lower Upper
117 100
119 95.1 76.7 115.1
121 31.8 25.4 38.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

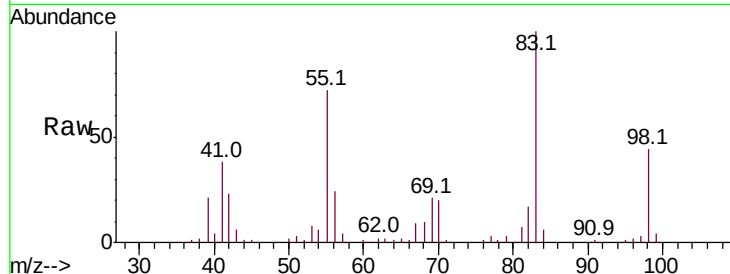




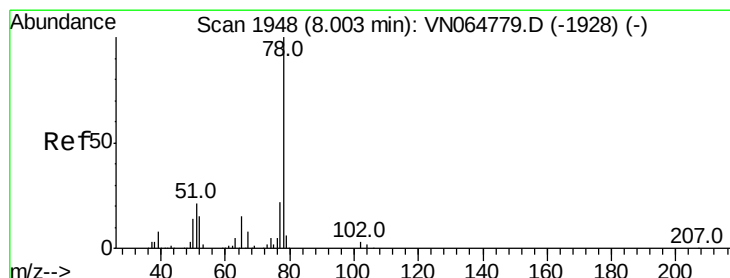
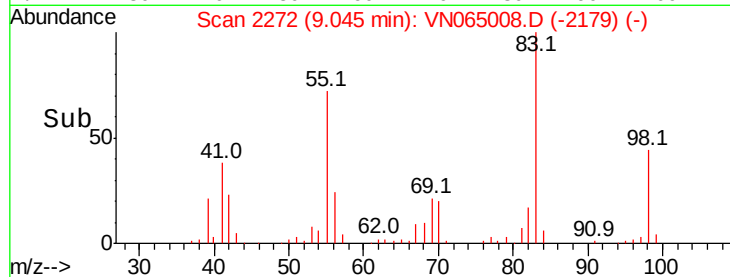
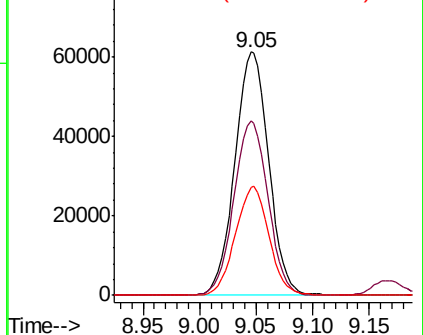
#39
Methvlcvclohexane
Concen: 42.110 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 127860
Ion Ratio Lower Upper
83 100
55 71.8 60.2 90.2
98 44.3 37.4 56.2

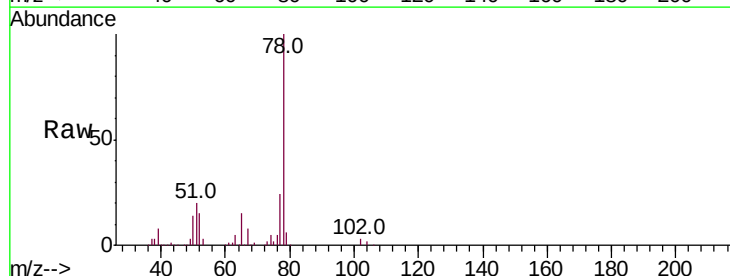


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

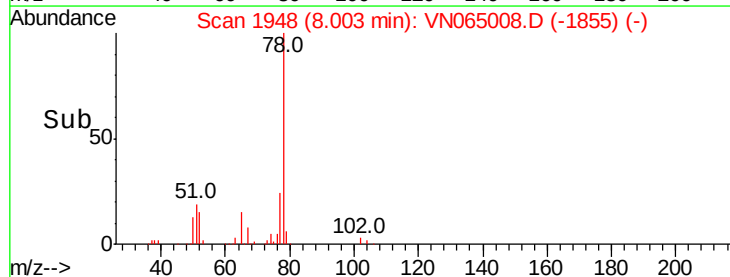
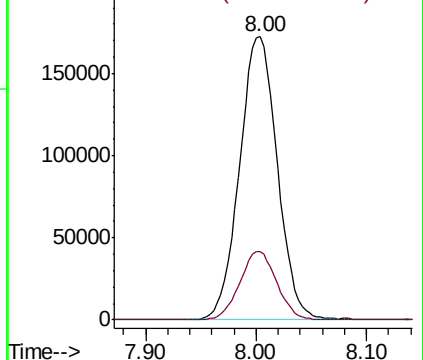


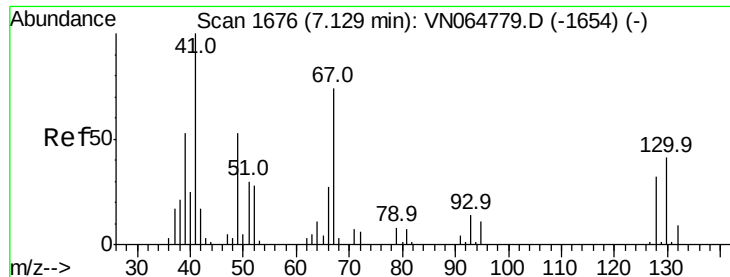
#40
Benzene
Concen: 47.373 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion: 78 Resp: 409455
Ion Ratio Lower Upper
78 100
77 24.2 17.9 26.9



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

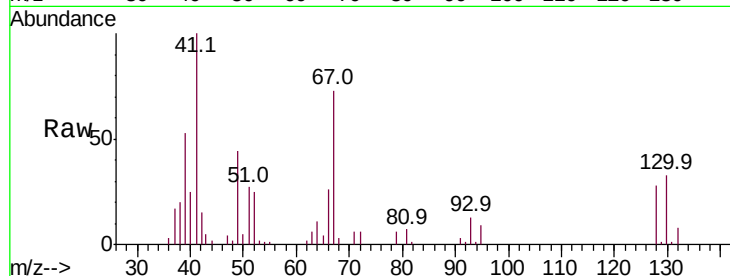




#41
Methacrylonitrile
Concen: 49.884 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	62537
Ion	Ratio	Lower	Upper
41	100		
39	56.4	51.0	76.6
67	86.9	79.8	119.8
52	32.9	31.5	47.3



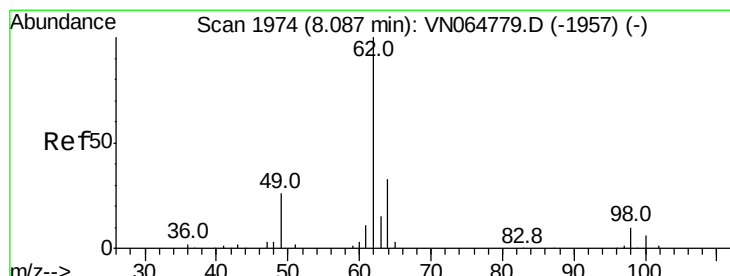
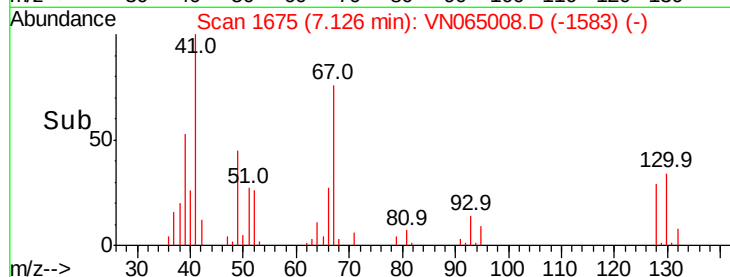
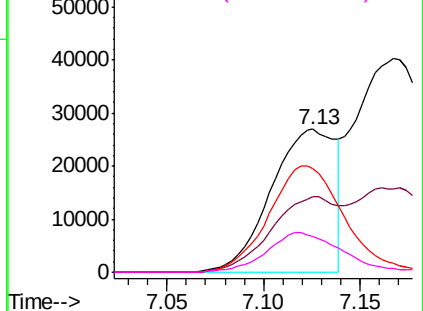
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

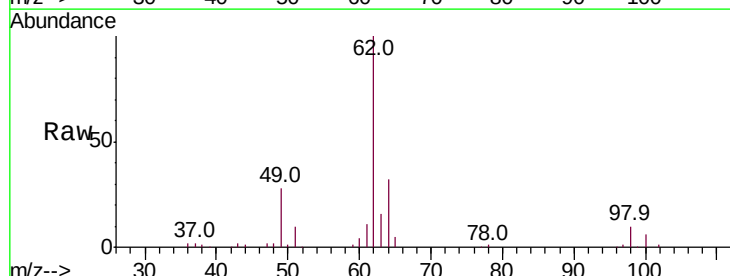
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 47.137 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

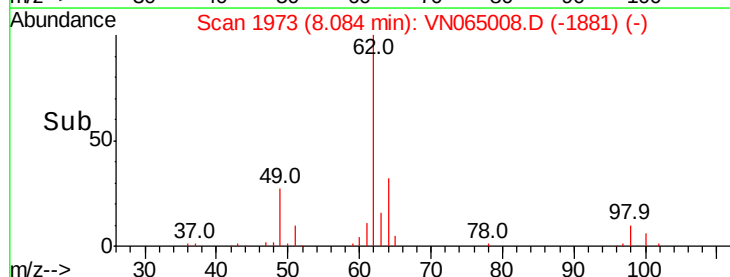
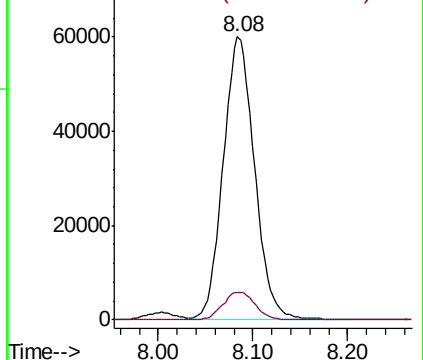
Tgt Ion:	62	Resp:	137438
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6

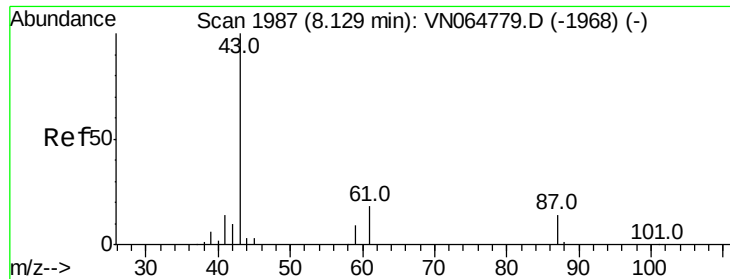


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 47.123 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

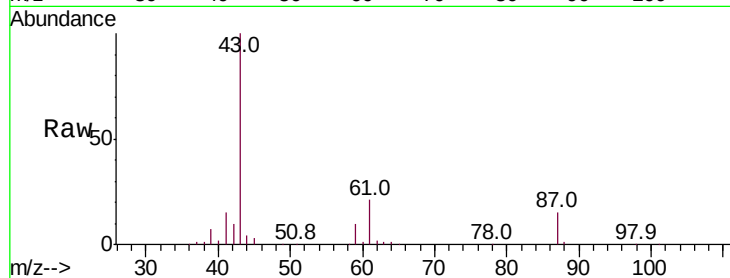
Tot Ion: 43 Resp: 206017

Ion Ratio Lower Upper

43 100

61 28.5 17.2 25.8#

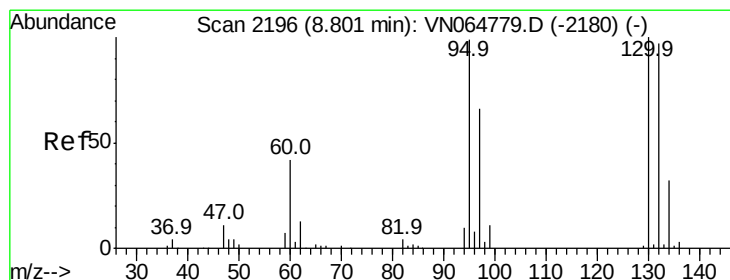
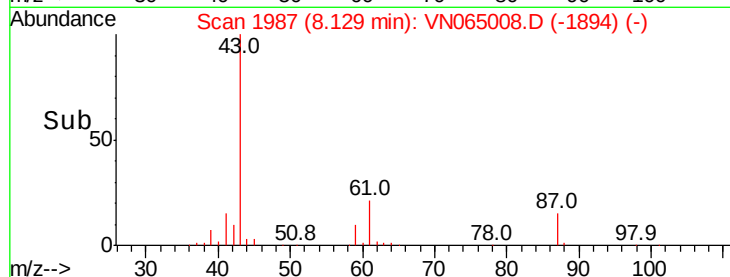
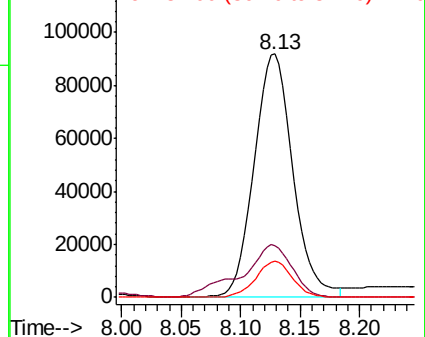
87 14.1 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN064779.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN064779.D (-1968) (-)



#44

Trichloroethene

Concen: 44.593 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN065008.D

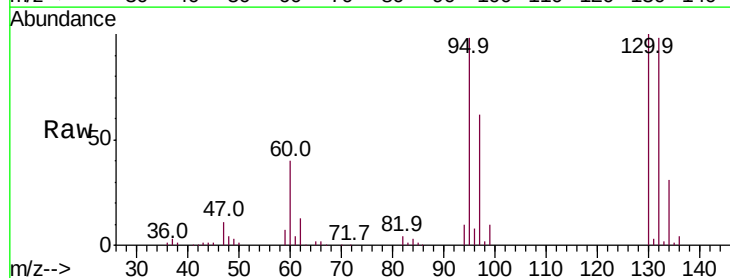
Acq: 9 Dec 2020 7:52

Tgt Ion:130 Resp: 113719

Ion Ratio Lower Upper

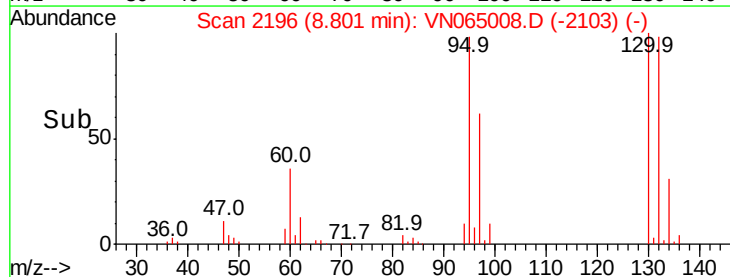
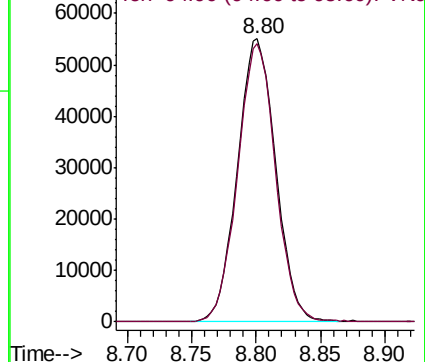
130 100

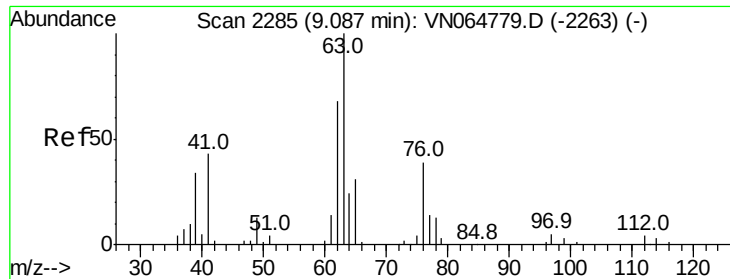
95 98.3 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN064779.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN064779.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 50.340 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

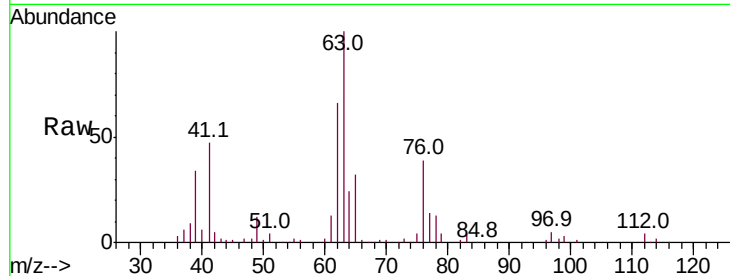
VSTDCCC050EC

Tot Ion: 63 Resp: 112675

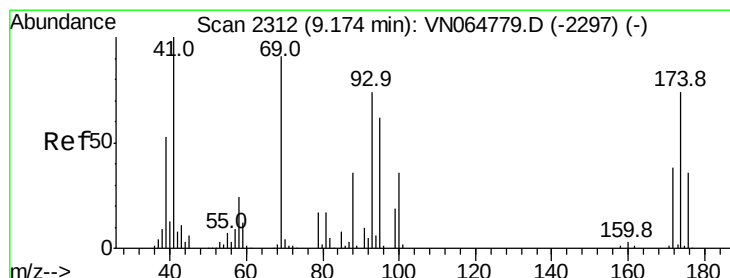
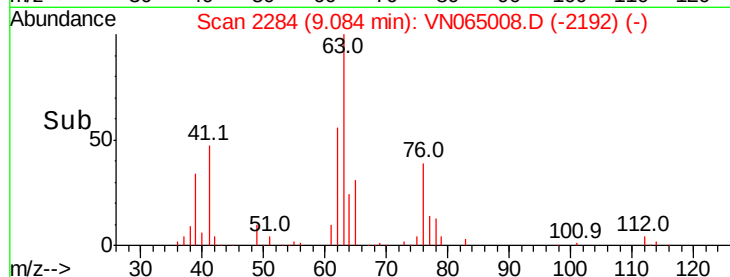
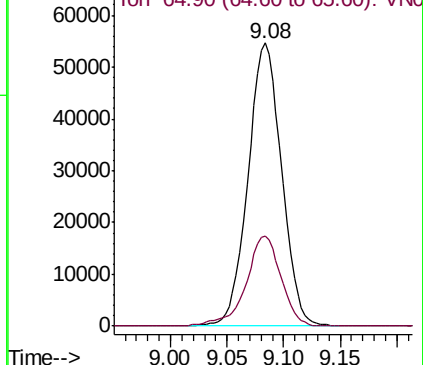
Ion Ratio Lower Upper

63 100

65 31.9 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN064779.D (-2263) (-)



#46

Dibromomethane

Concen: 48.807 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

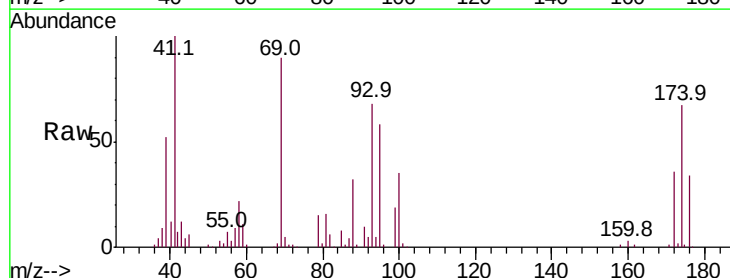
Tgt Ion: 93 Resp: 72983

Ion Ratio Lower Upper

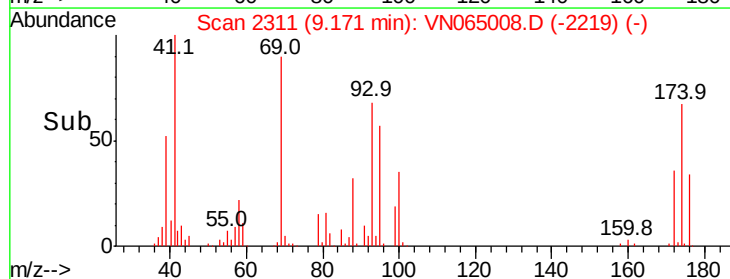
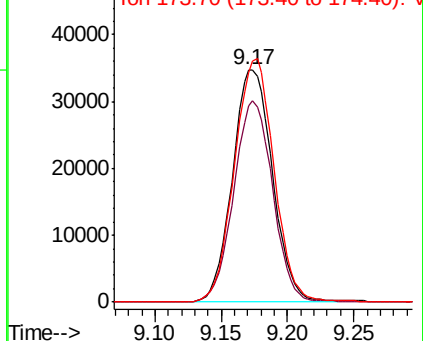
93 100

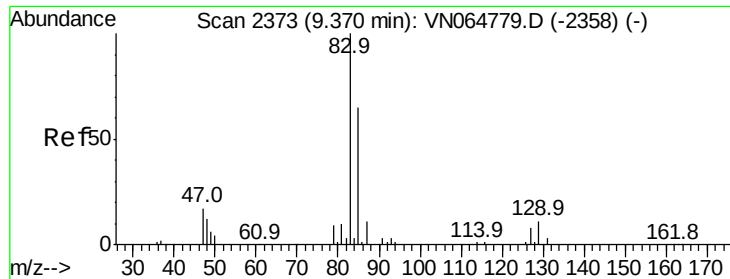
95 84.4 68.8 103.2

174 103.3 83.1 124.7



Abundance Ion 92.80 (92.50 to 93.50): VN064779.D (-2297) (-)





#47

Bromodichloromethane

Concen: 50.008 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

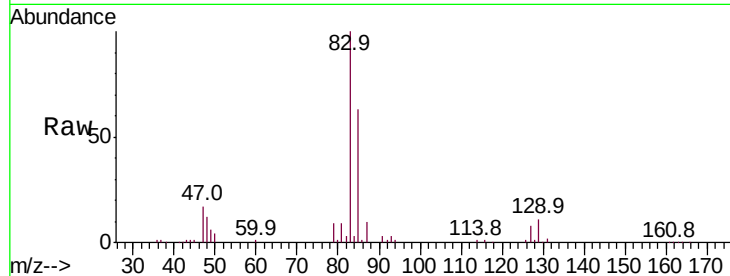
Tot Ion: 83 Resp: 150465

Ion Ratio Lower Upper

83 100

85 62.7 51.8 77.8

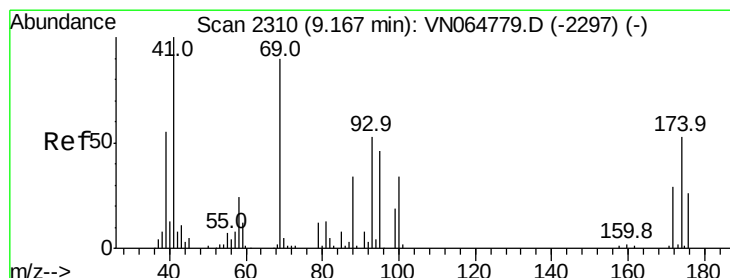
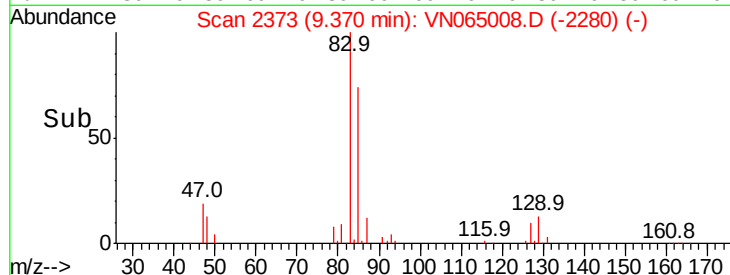
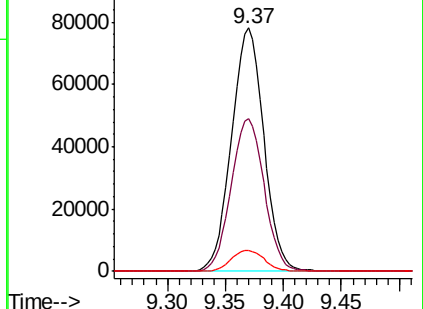
127 8.5 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN064779.D (-2358) (-)

Ion 84.90 (84.60 to 85.60): VN064779.D (-2358) (-)

Ion 126.80 (126.50 to 127.50): VN064779.D (-2358) (-)



#48

Methyl methacrylate

Concen: 48.954 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

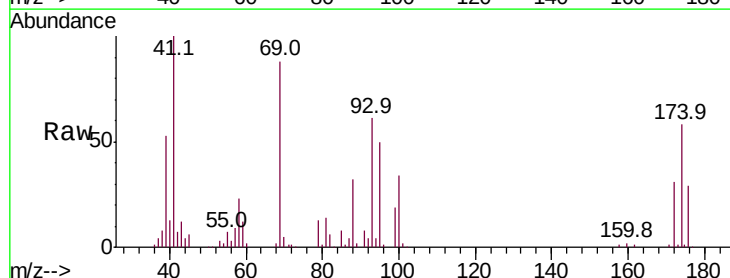
Tgt Ion: 41 Resp: 102268

Ion Ratio Lower Upper

41 100

69 90.1 71.8 107.8

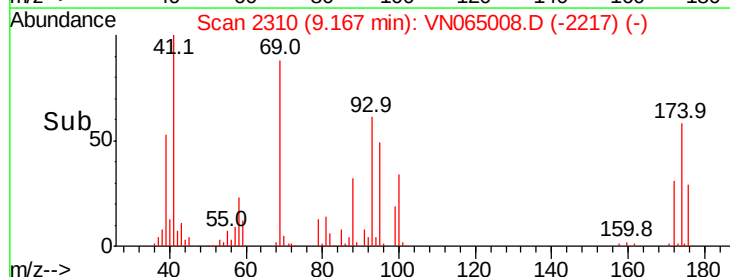
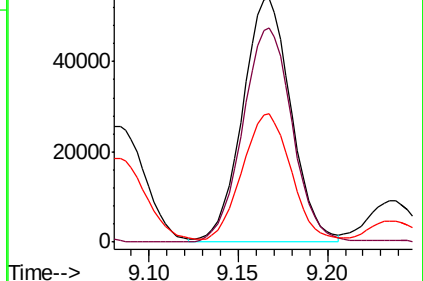
39 53.4 44.1 66.1

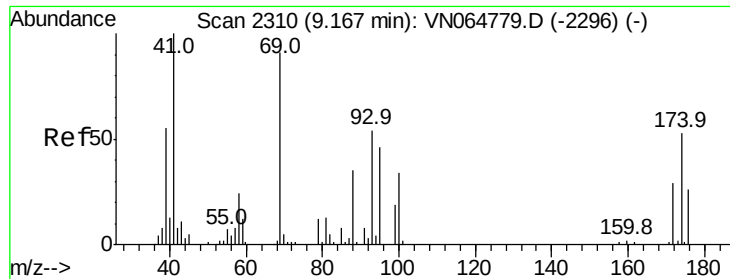


Abundance Ion 41.00 (40.70 to 41.70): VN064779.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN064779.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN064779.D (-2297) (-)





#49

1,4-Dioxane

Concen: 896.096 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

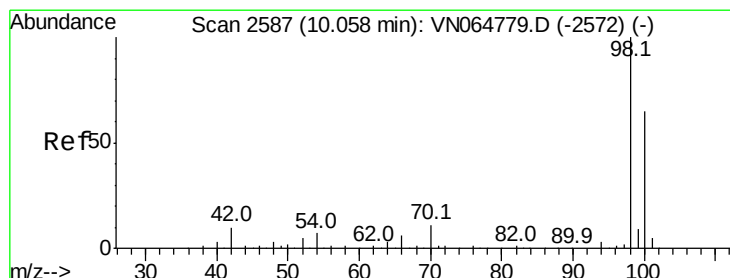
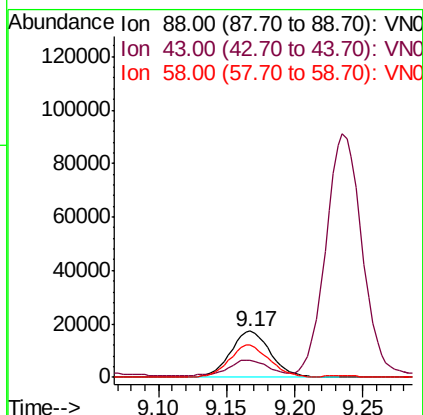
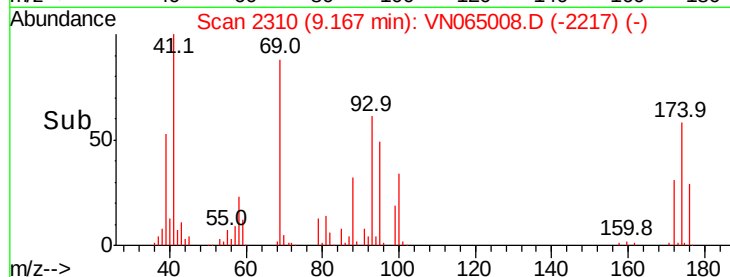
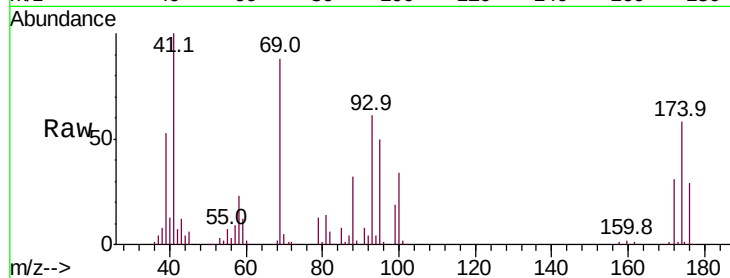
Tot Ion: 88 Resp: 35381

Ion Ratio Lower Upper

88 100

43 31.6 24.2 36.4

58 70.0 52.5 78.7



#50

Toluene-d8

Concen: 47.971 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN065008.D

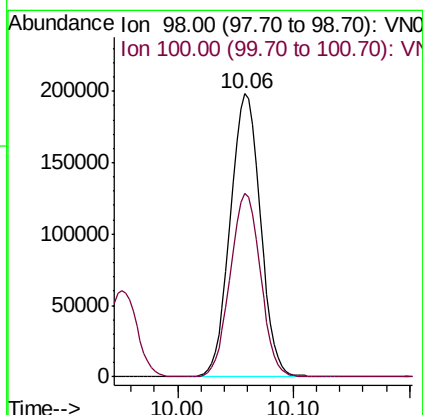
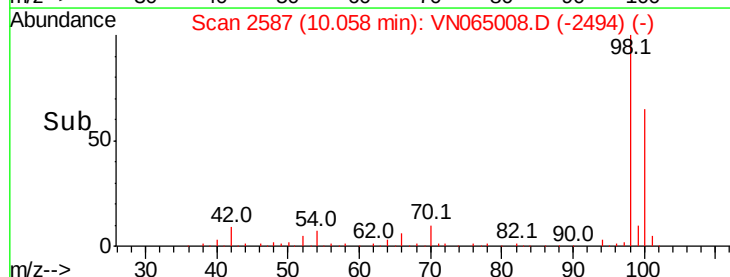
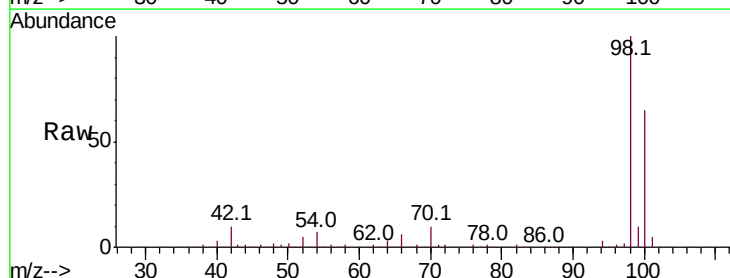
Acq: 9 Dec 2020 7:52

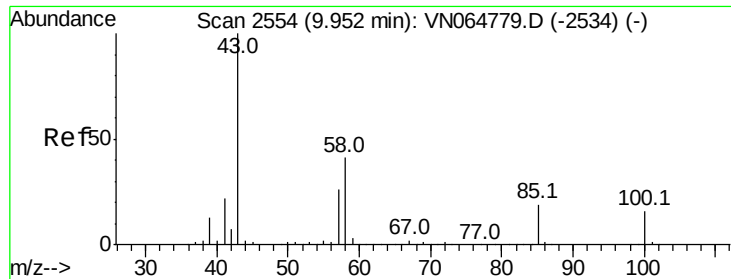
Tgt Ion: 98 Resp: 356895

Ion Ratio Lower Upper

98 100

100 64.8 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 242.497 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

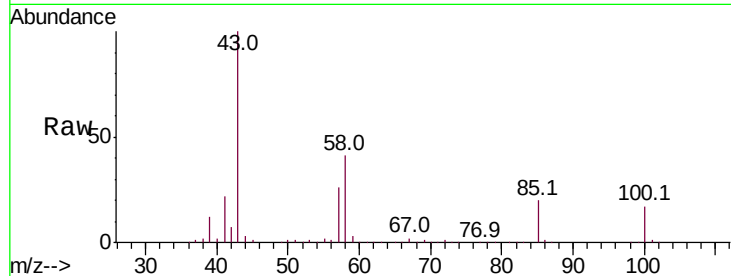
VSTDCCC050EC

Tot Ion: 43 Resp: 636472

Ion Ratio Lower Upper

43 100

58 41.0 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

400000

300000

200000

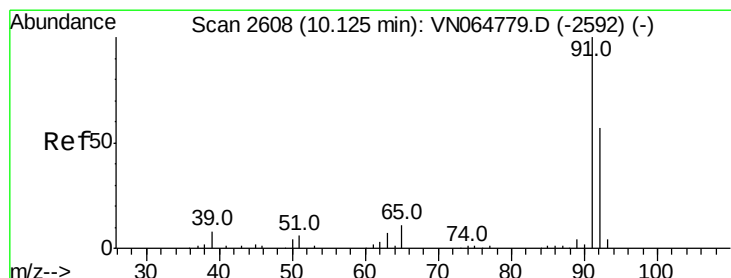
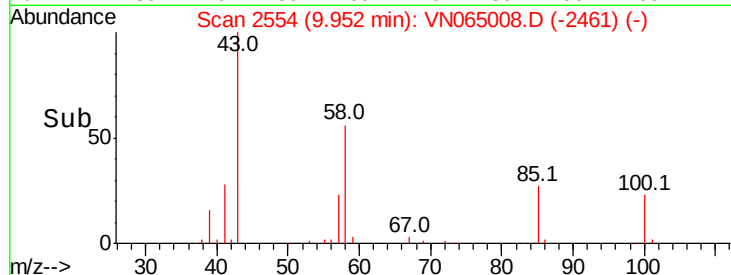
100000

0

Time-->

9.90

10.00



#52

Toluene

Concen: 49.659 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN065008.D

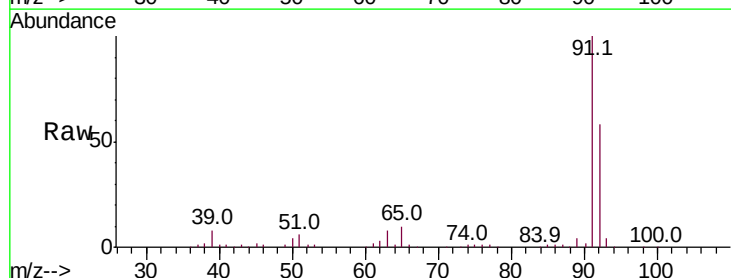
Acq: 9 Dec 2020 7:52

Tgt Ion: 92 Resp: 264322

Ion Ratio Lower Upper

92 100

91 172.0 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.12

300000

250000

200000

150000

100000

50000

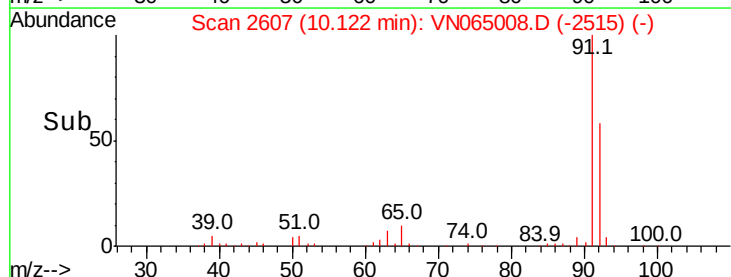
0

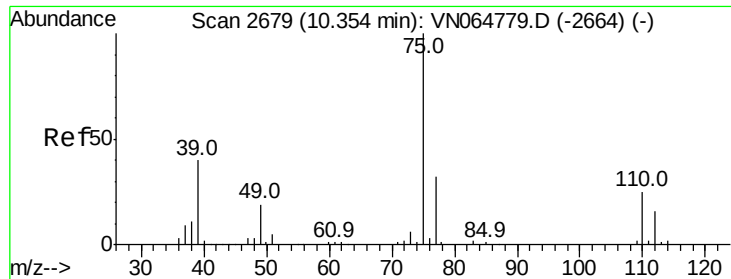
Time-->

10.00

10.10

10.20





#53

t-1,3-Dichloropropene

Concen: 46.574 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

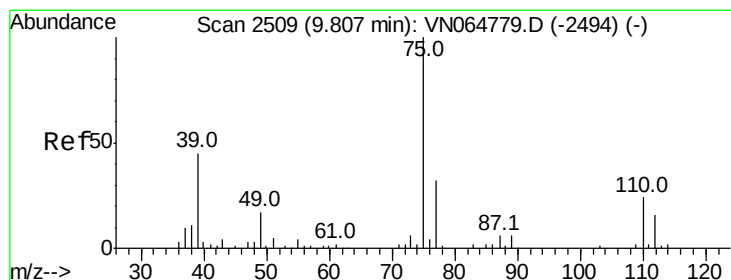
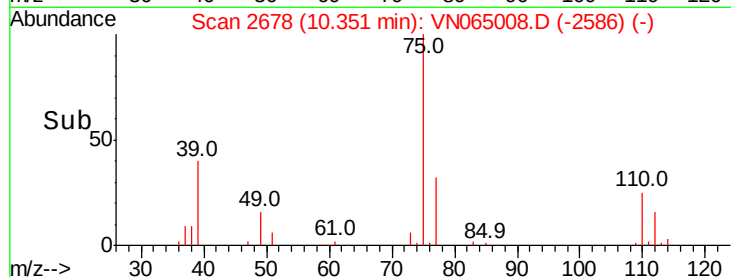
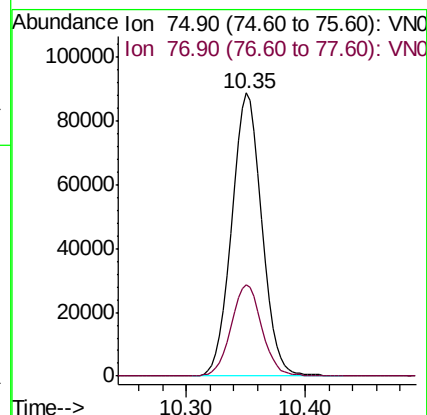
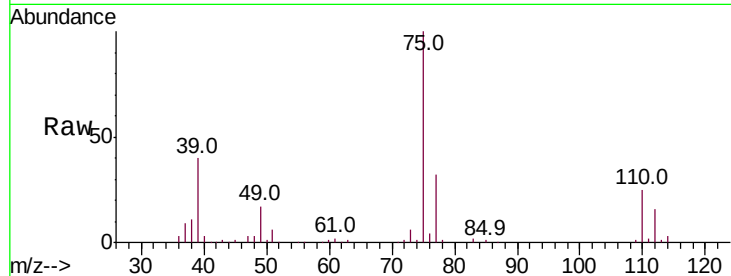
VSTDCCC050EC

Tot Ion: 75 Resp: 156078

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 47.775 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

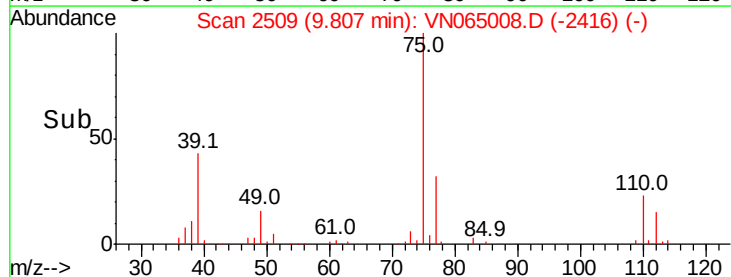
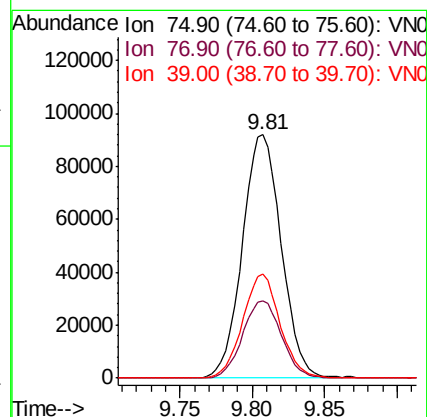
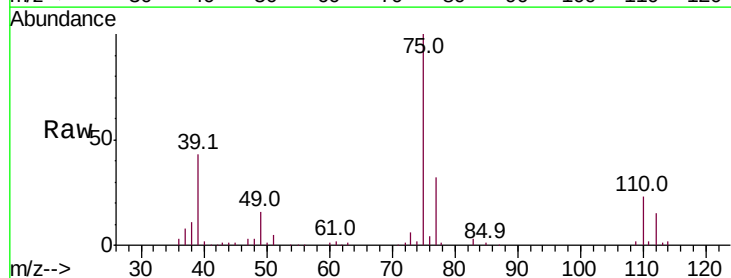
Tgt Ion: 75 Resp: 171610

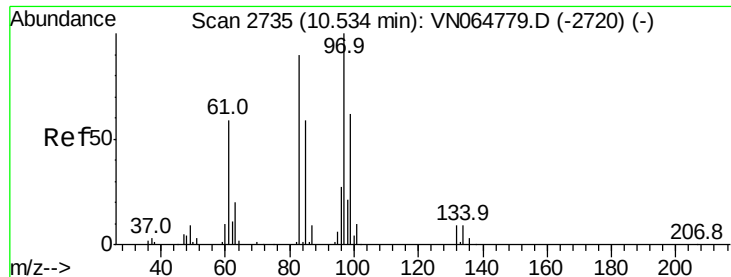
Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3

39 42.8 35.6 53.4



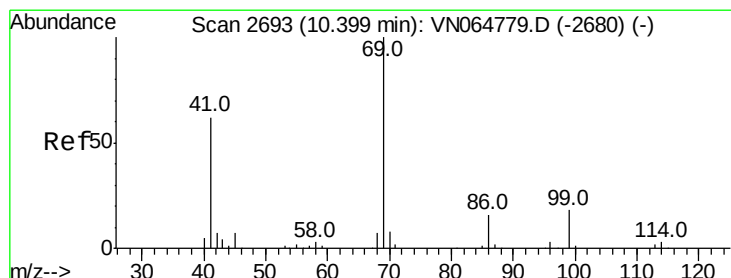
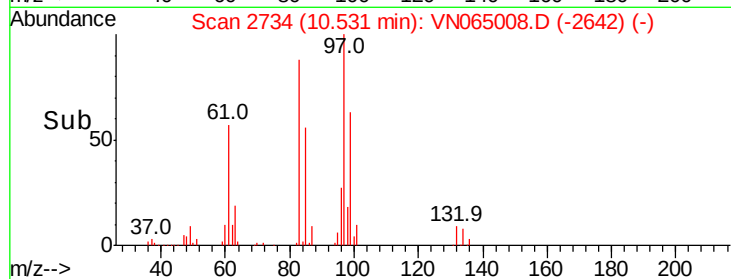
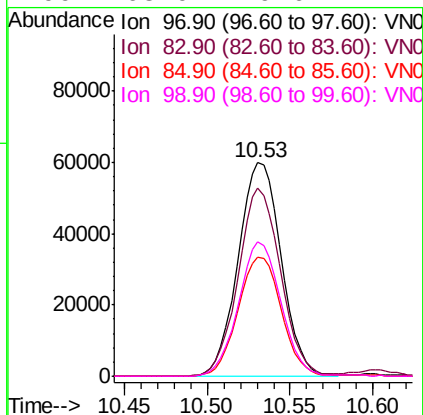
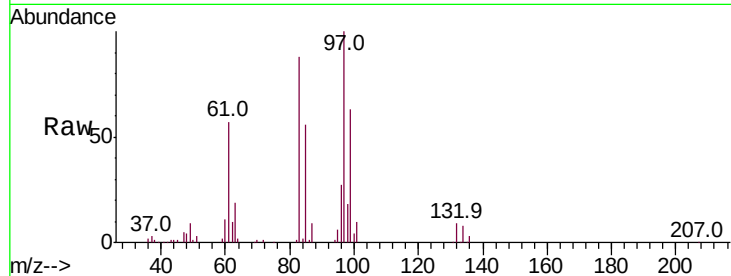


#55
 1,1,2-Trichloroethane
 Concen: 49.538 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 108428

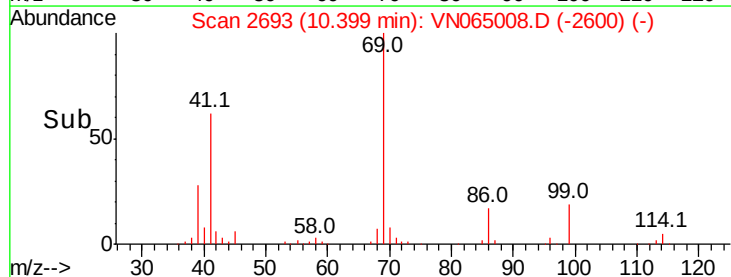
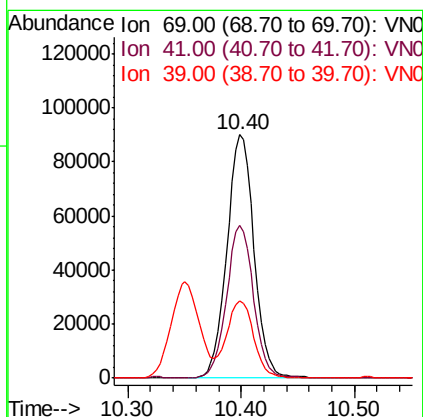
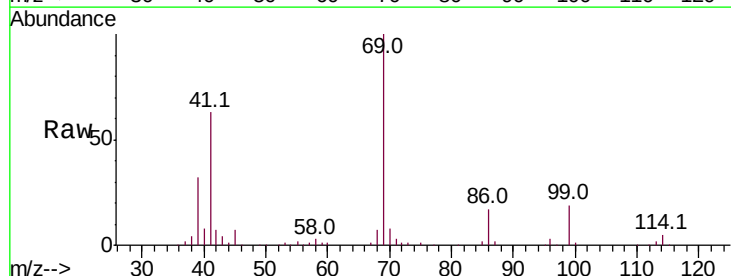
Ion	Ratio	Lower	Upper
97	100		
83	88.0	72.1	108.1
85	55.7	46.8	70.2
99	63.0	49.6	74.4

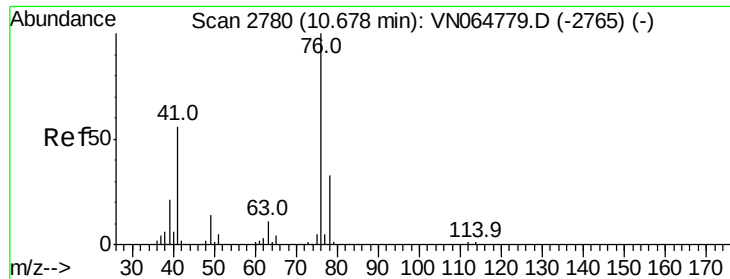


#56
 Ethyl methacrylate
 Concen: 49.796 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion: 69 Resp: 150405

Ion	Ratio	Lower	Upper
69	100		
41	61.6	49.4	74.0
39	31.2	25.9	38.9





#57

1,3-Dichloropropane

Concen: 49.715 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

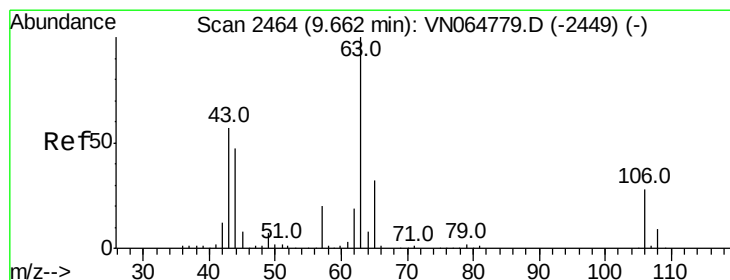
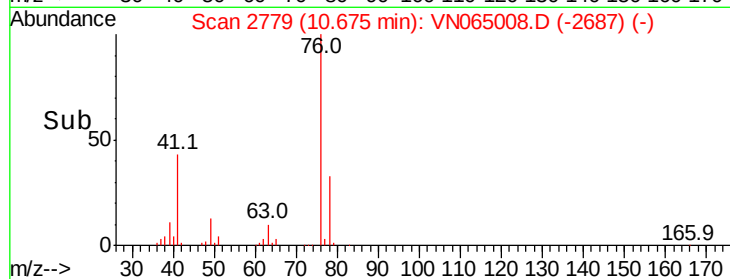
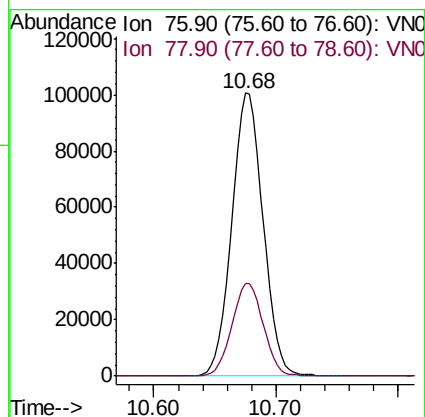
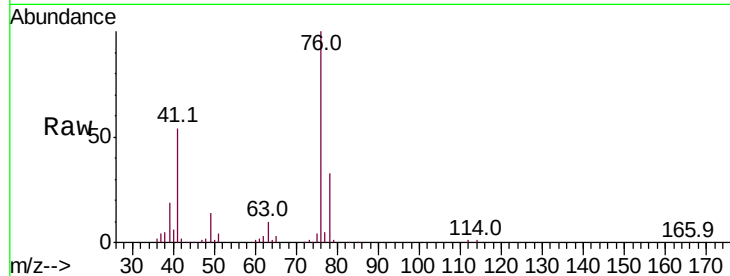
VSTDCCC050EC

Tot Ion: 76 Resp: 179499

Ion Ratio Lower Upper

76 100

78 32.9 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 244.061 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN065008.D

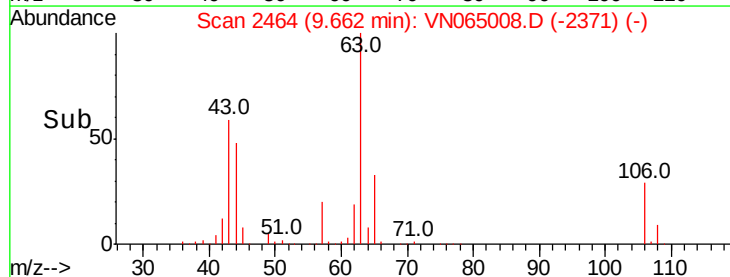
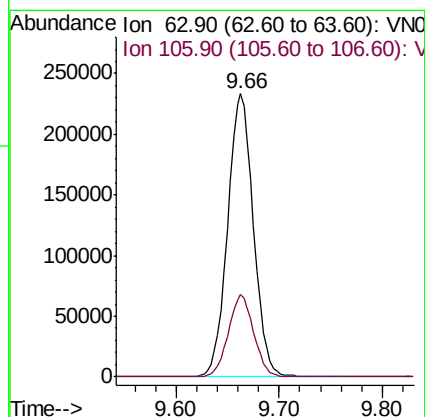
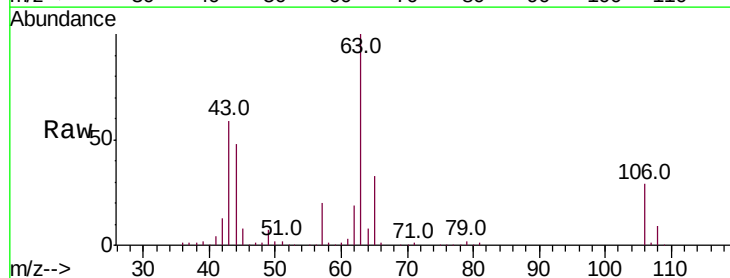
Acq: 9 Dec 2020 7:52

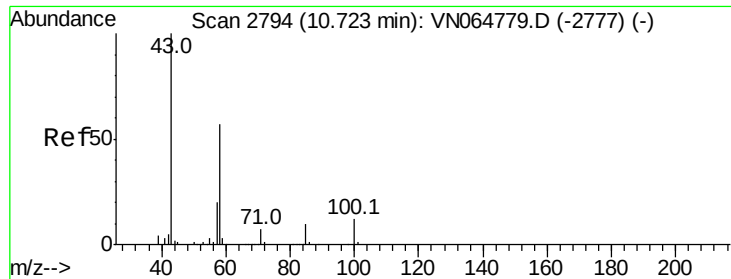
Tgt Ion: 63 Resp: 405497

Ion Ratio Lower Upper

63 100

106 28.8 22.7 34.1

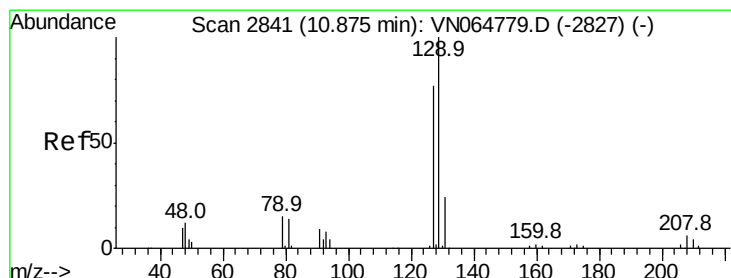
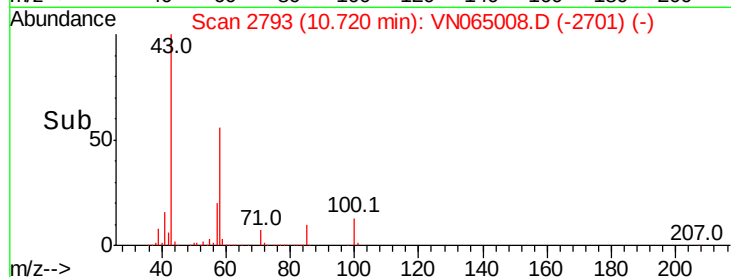
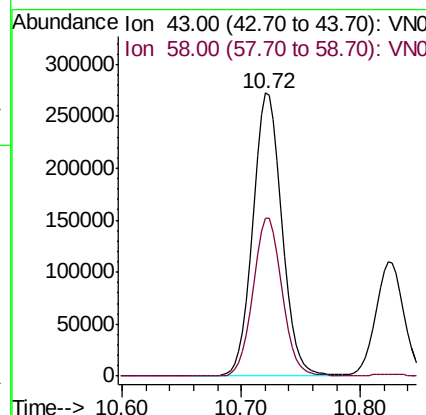
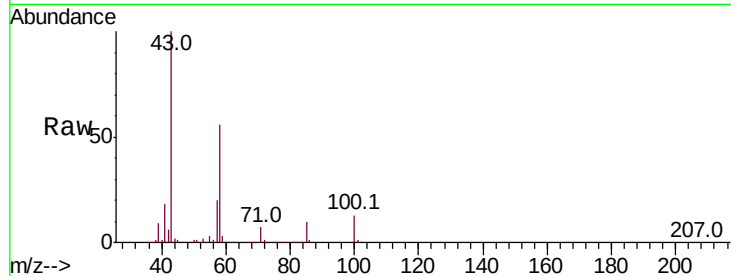




#59
2-Hexanone
Concen: 242.802 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

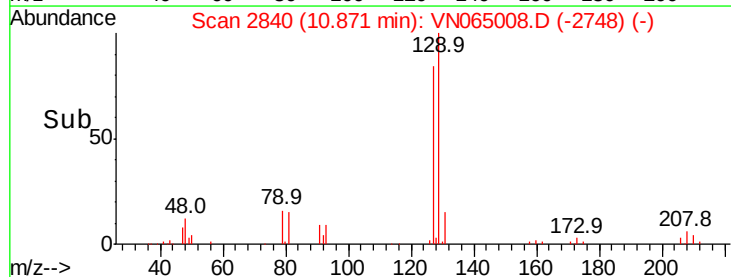
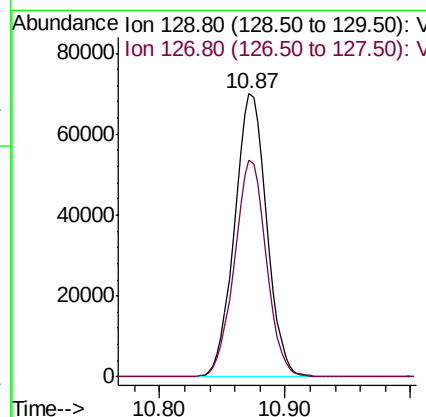
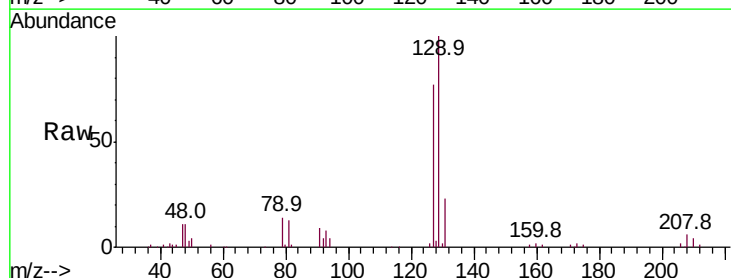
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

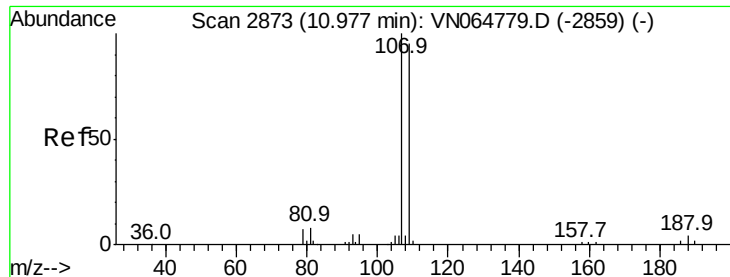
Tot Ion: 43 Resp: 458635
Ion Ratio Lower Upper
43 100
58 56.2 28.3 84.9



#60
Dibromochloromethane
Concen: 51.188 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion: 129 Resp: 124542
Ion Ratio Lower Upper
129 100
127 76.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 49.128 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

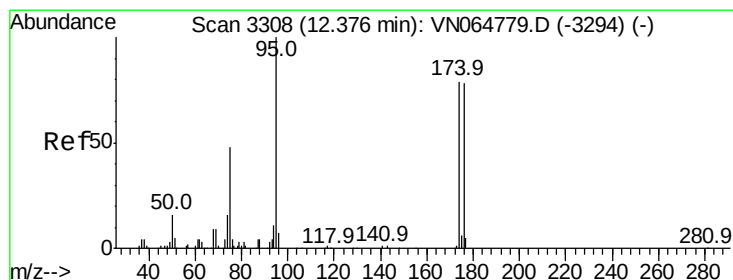
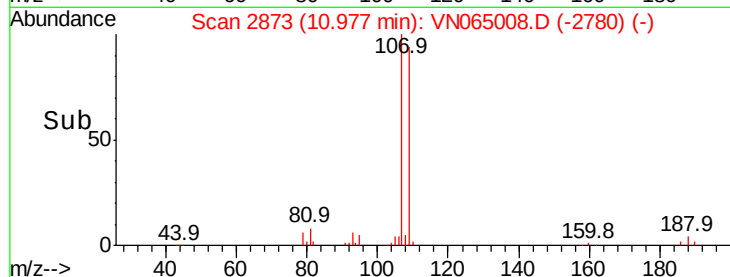
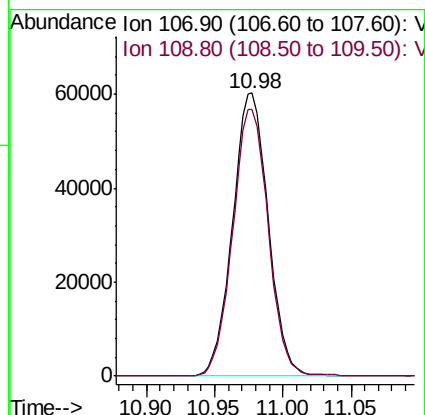
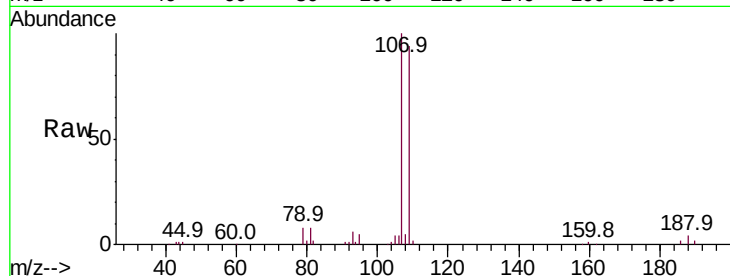
VSTDCCC050EC

Tot Ion:107 Resp: 109248

Ion Ratio Lower Upper

107 100

109 94.3 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 47.554 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

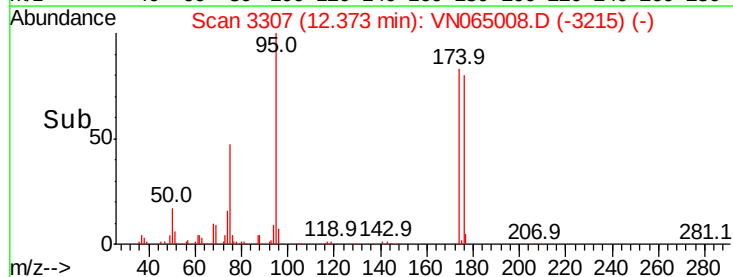
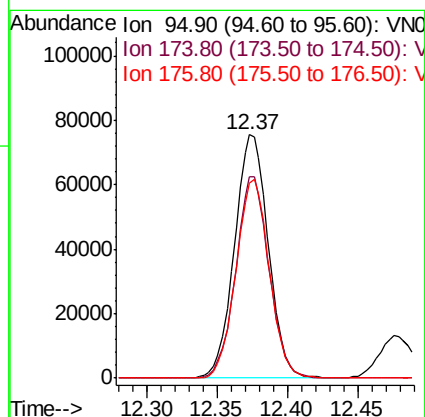
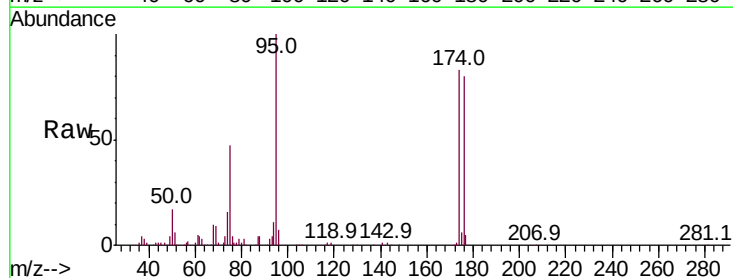
Tgt Ion: 95 Resp: 126615

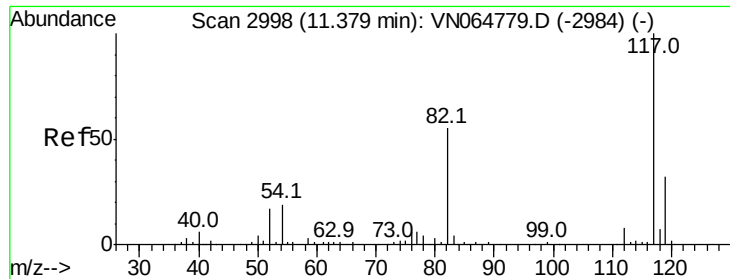
Ion Ratio Lower Upper

95 100

174 81.6 0.0 160.4

176 80.4 0.0 158.4

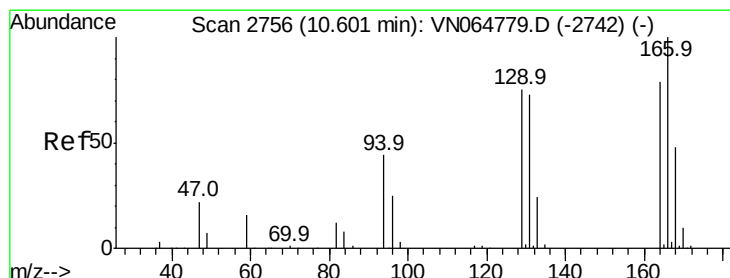
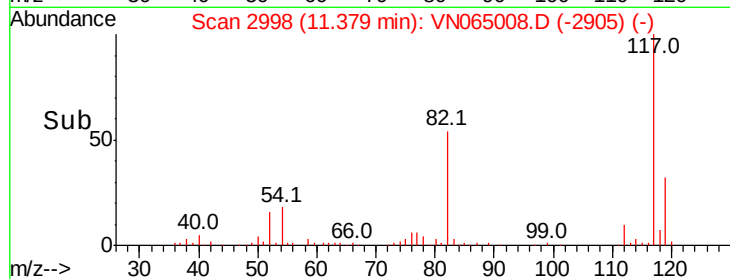
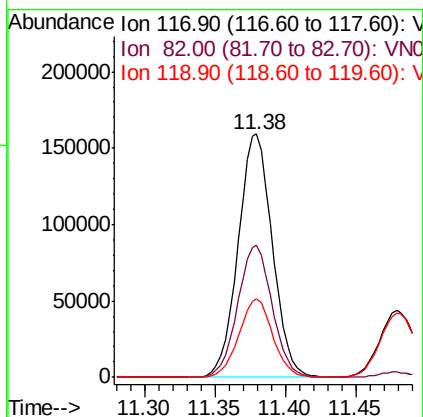
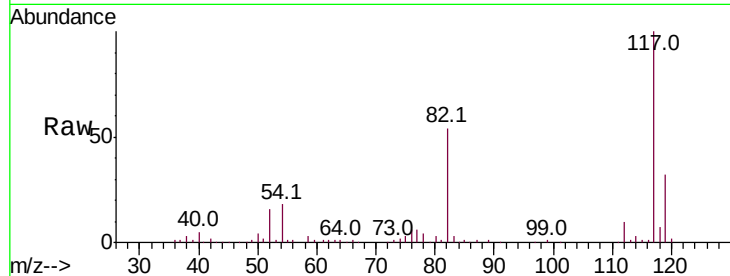




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

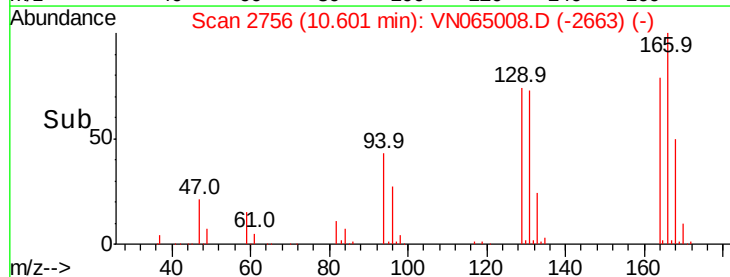
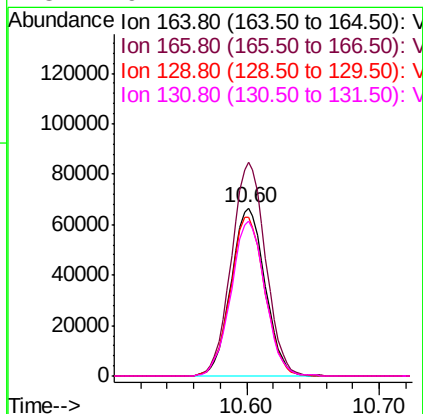
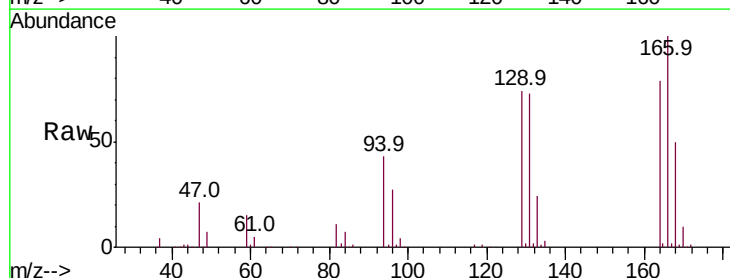
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

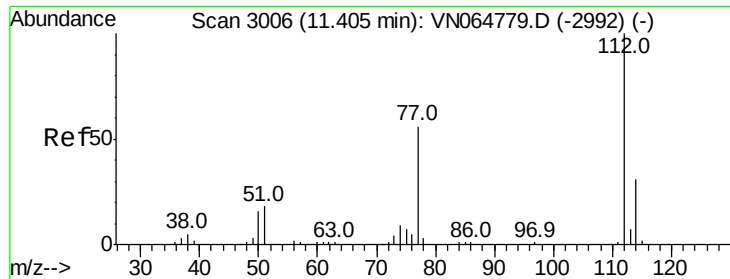
Tot Ion:117 Resp: 270799
Ion Ratio Lower Upper
117 100
82 54.1 44.2 66.2
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 45.084 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion:164 Resp: 118779
Ion Ratio Lower Upper
164 100
166 126.9 101.4 152.0
129 94.2 76.1 114.1
131 92.1 74.2 111.2

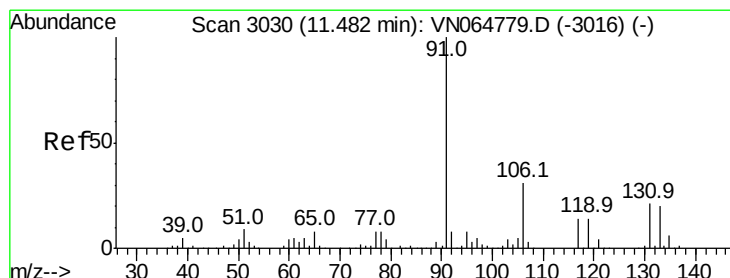
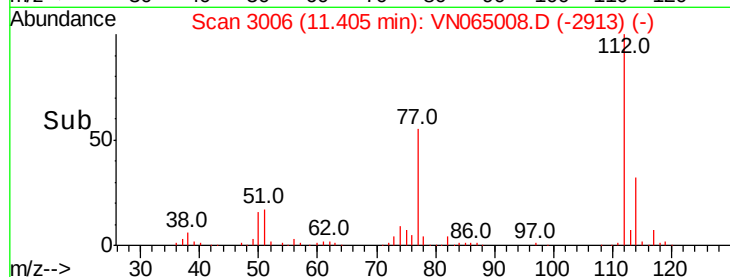
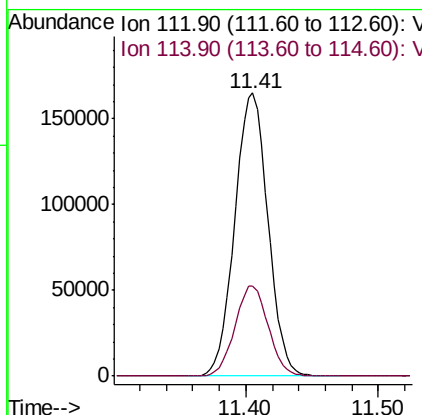
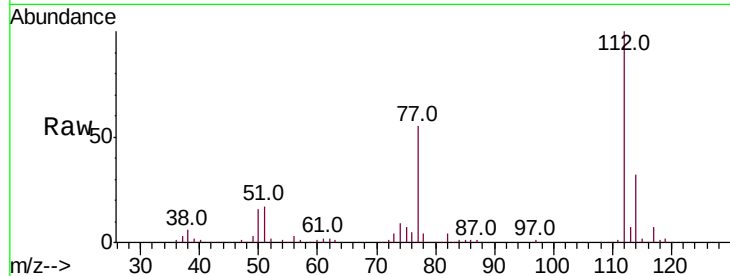




#65
 Chlorobenzene
 Concen: 49.379 ug/l
 RT: 11.41 min Scan# 3006
 Delta R.T. 0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

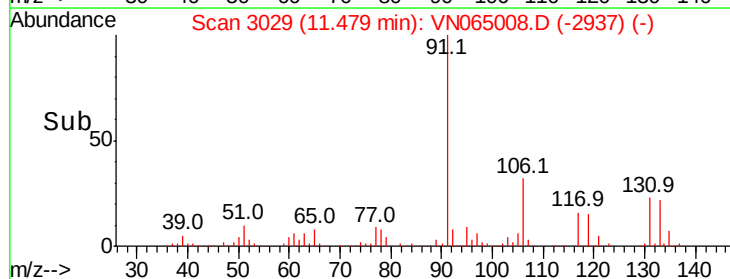
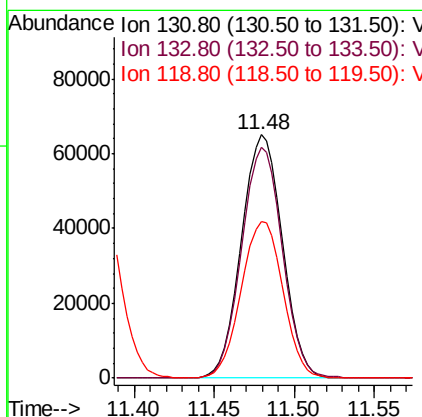
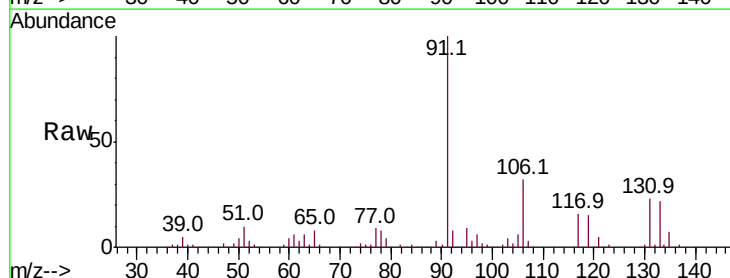
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

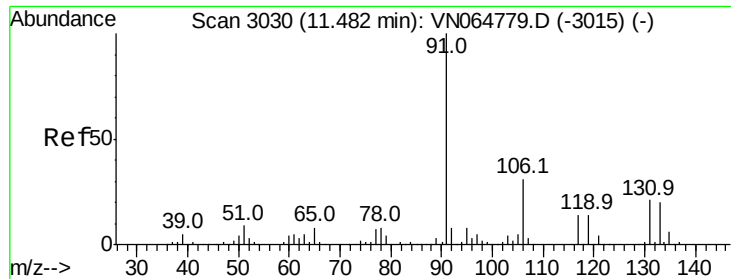
Tot Ion:112 Resp: 287154
 Ion Ratio Lower Upper
 112 100
 114 32.0 25.1 37.7



#66
 1,1,1,2-Tetrachloroethane
 Concen: 53.213 ug/l
 RT: 11.48 min Scan# 3029
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion:131 Resp: 113724
 Ion Ratio Lower Upper
 131 100
 133 94.8 47.5 142.5
 119 65.6 33.3 99.8

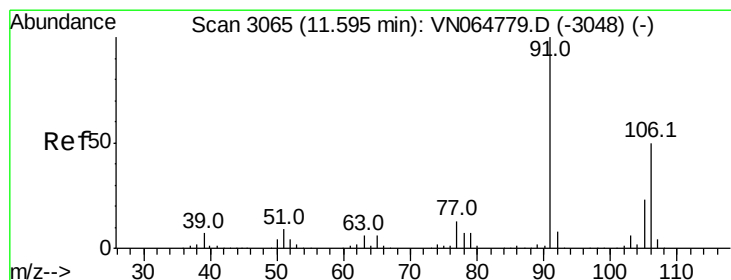
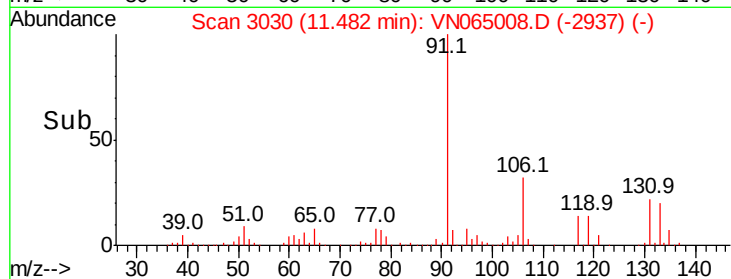
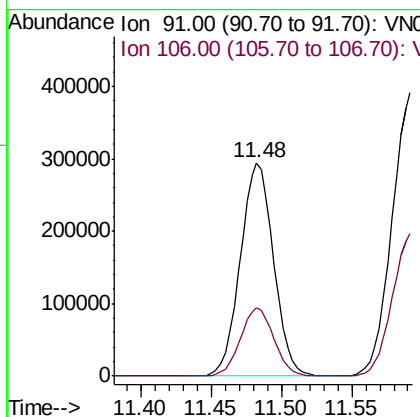
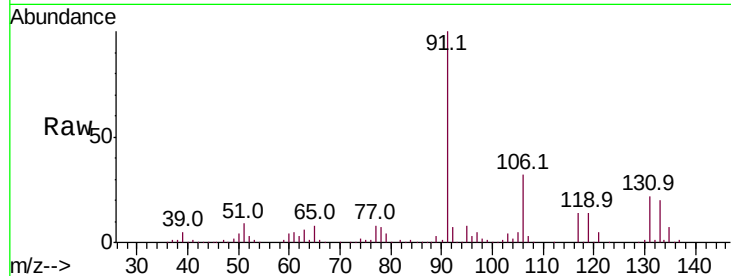




#67
Ethyl Benzene
Concen: 50.116 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

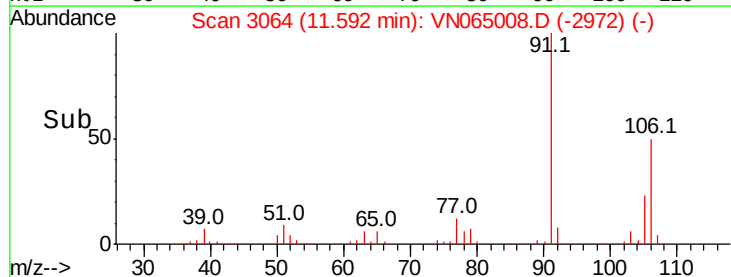
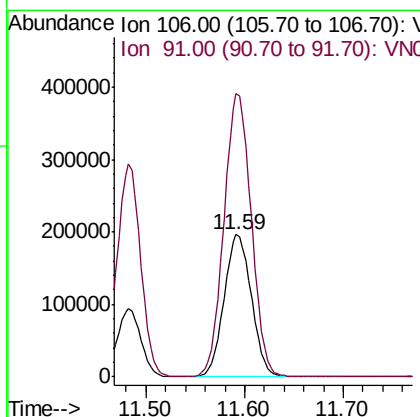
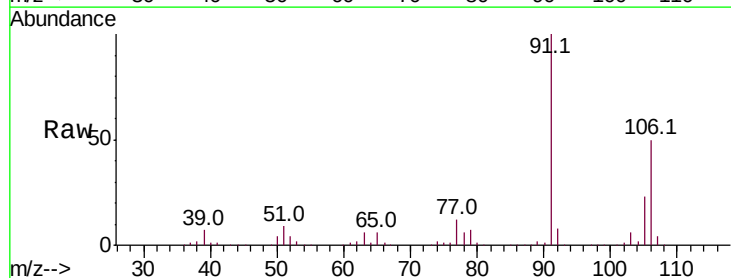
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

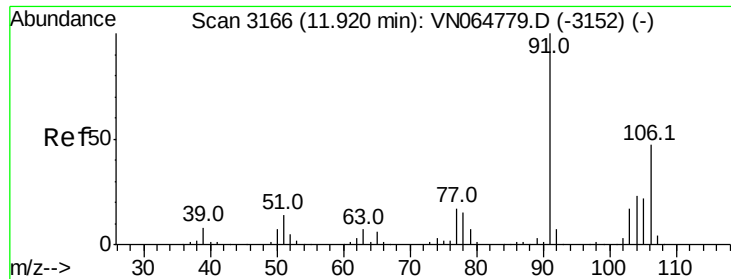
Tot Ion: 91 Resp: 486872
Ion Ratio Lower Upper
91 100
106 31.9 25.2 37.8



#68
m/p-Xylenes
Concen: 103.713 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion: 106 Resp: 381471
Ion Ratio Lower Upper
106 100
91 198.8 161.0 241.4

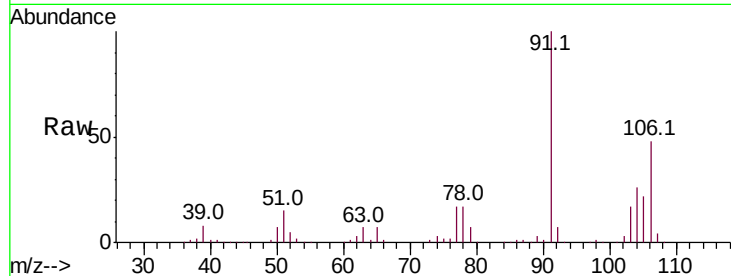




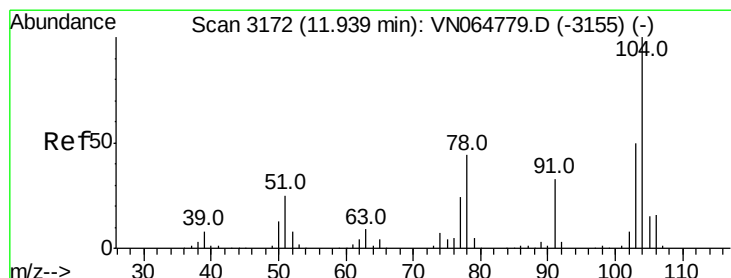
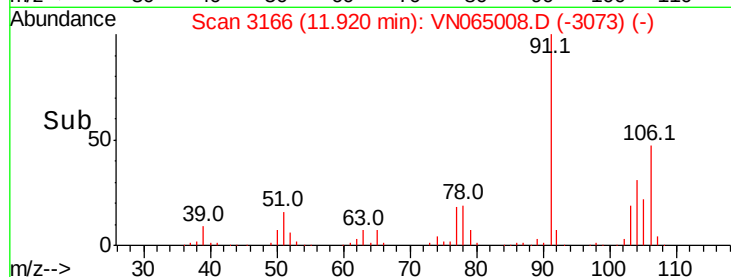
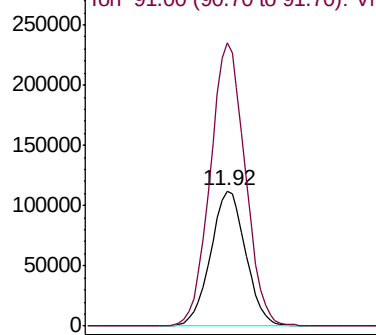
#69
o-Xylene
Concen: 52.422 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:106 Resp: 182971
Ion Ratio Lower Upper
106 100
91 209.1 105.5 316.5

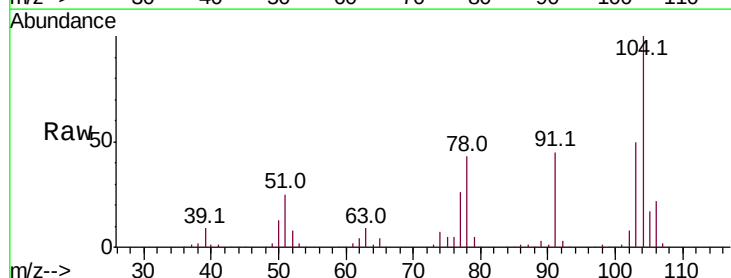


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

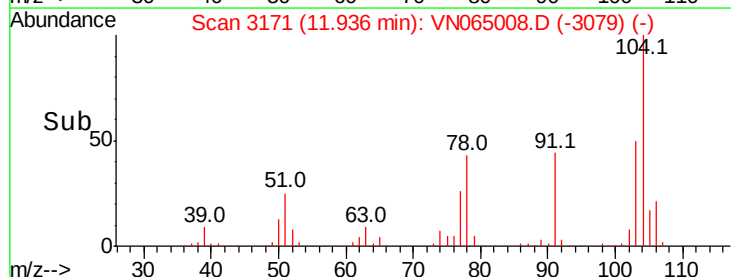
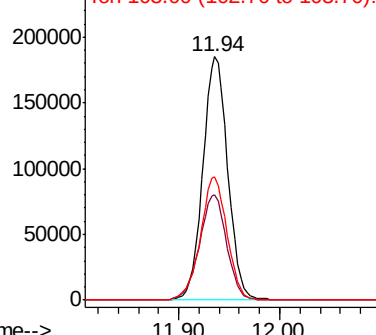


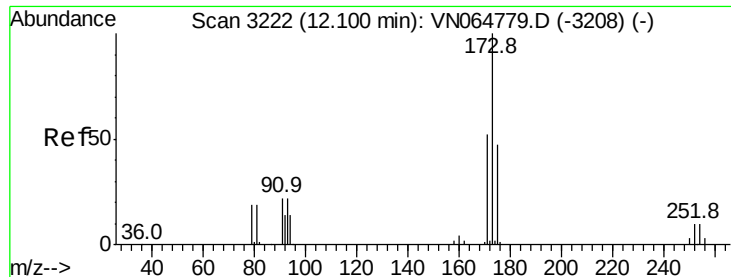
#70
Styrene
Concen: 54.042 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion:104 Resp: 318432
Ion Ratio Lower Upper
104 100
78 47.3 39.0 58.6
103 54.0 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.952 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

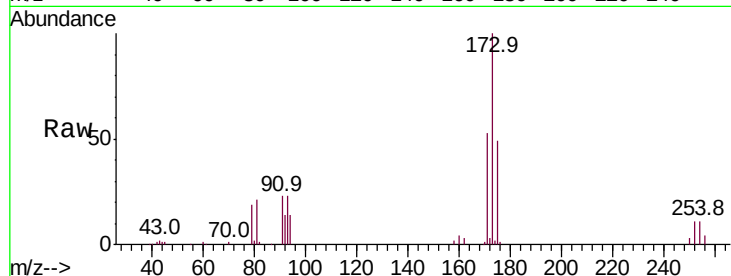
Tot Ion:173 Resp: 86972

Ion Ratio Lower Upper

173 100

175 48.1 24.3 72.8

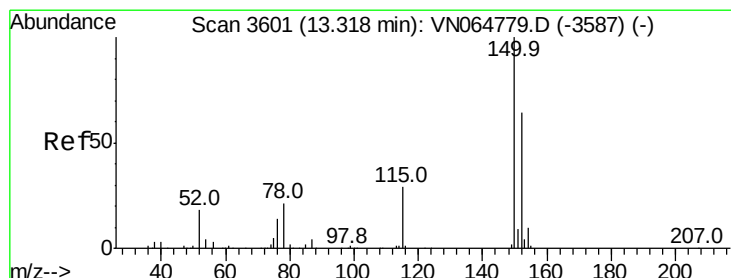
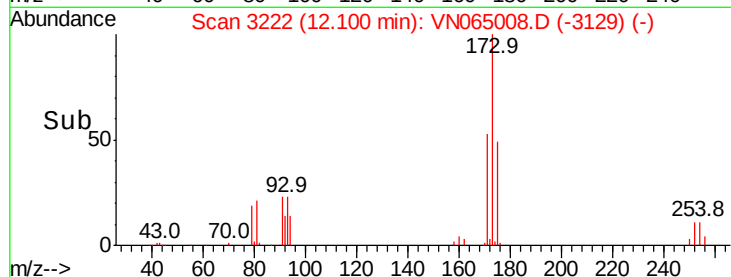
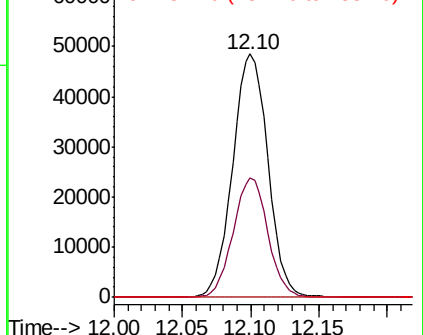
254 0.0 0.0 0.0



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: VN065008.D

Acq: 9 Dec 2020 7:52

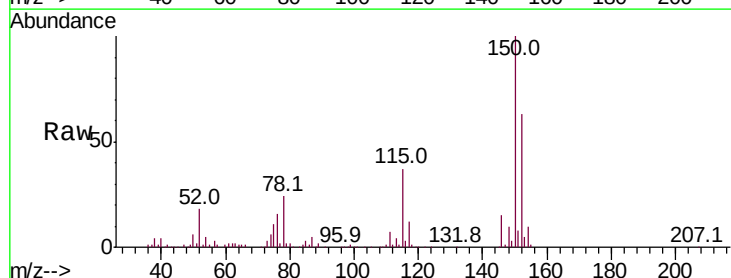
Tgt Ion:152 Resp: 135422

Ion Ratio Lower Upper

152 100

115 58.1 29.7 89.1

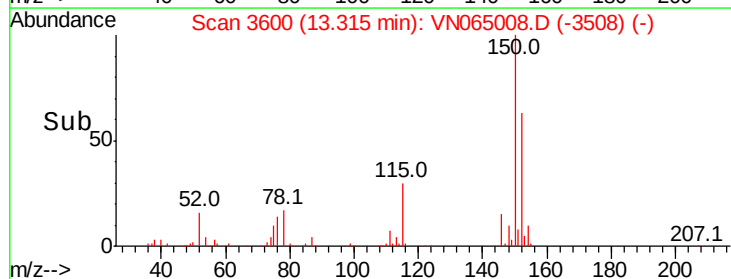
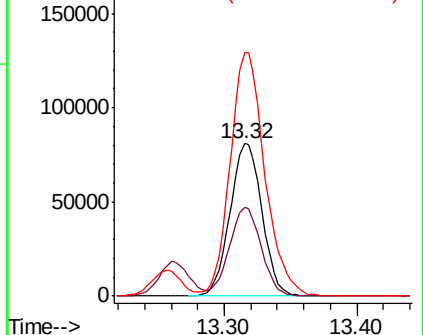
150 172.2 0.0 350.6

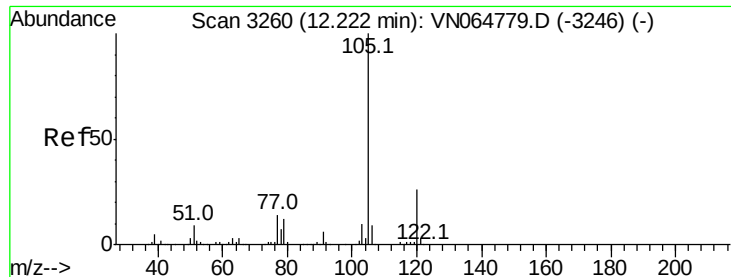


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.785 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

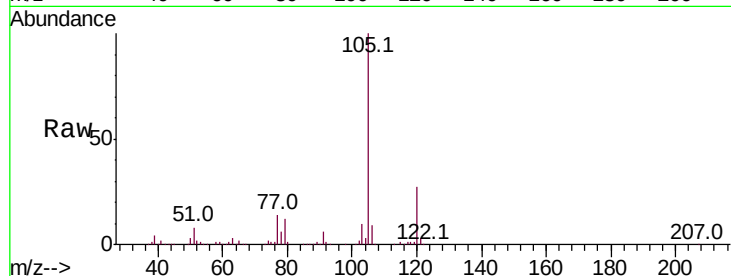
VSTDCCC050EC

Tot Ion:105 Resp: 478369

Ion Ratio Lower Upper

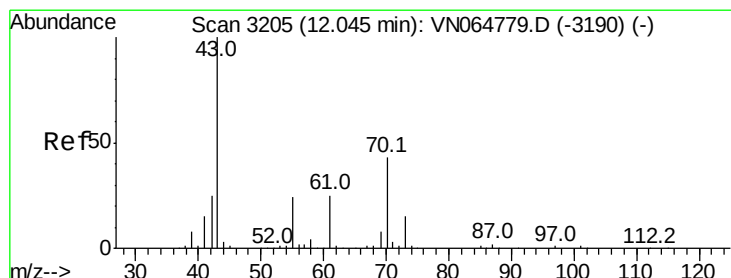
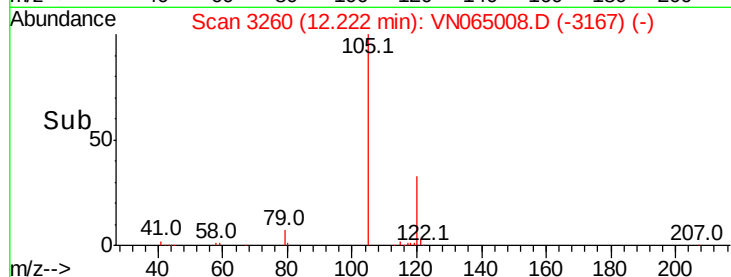
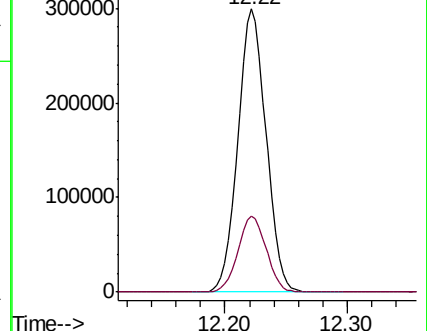
105 100

120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.073 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Tgt Ion: 43 Resp: 178205

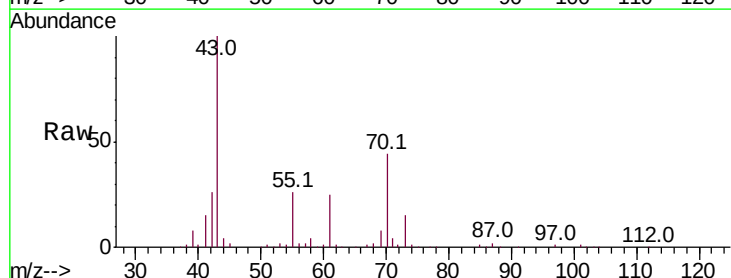
Ion Ratio Lower Upper

43 100

70 44.4 34.5 51.7

55 26.6 20.4 30.6

61 25.1 20.0 30.0

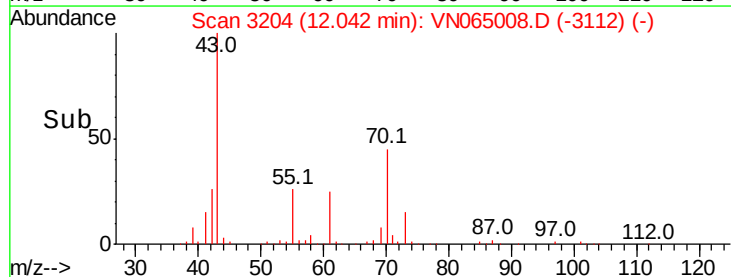
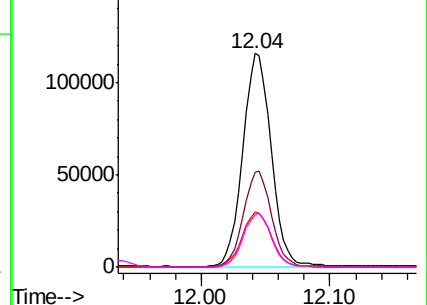


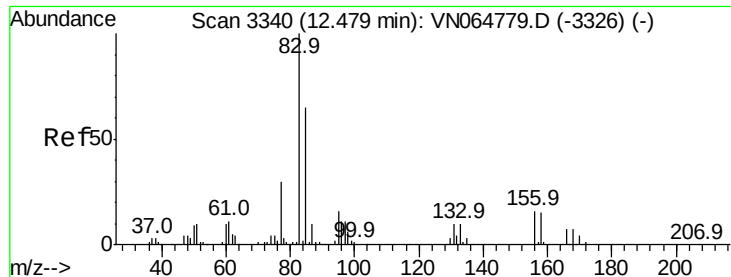
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.639 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

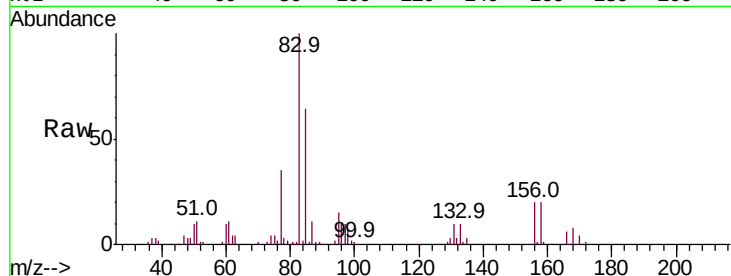
Tot Ion: 83 Resp: 142571

Ion Ratio Lower Upper

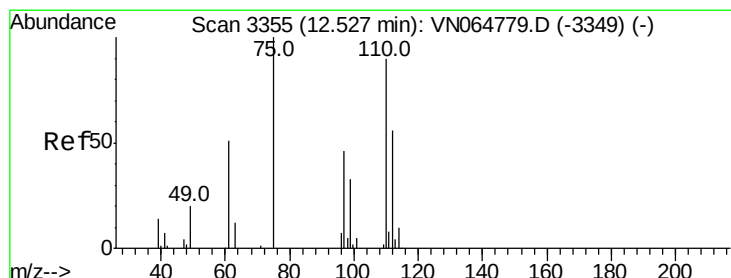
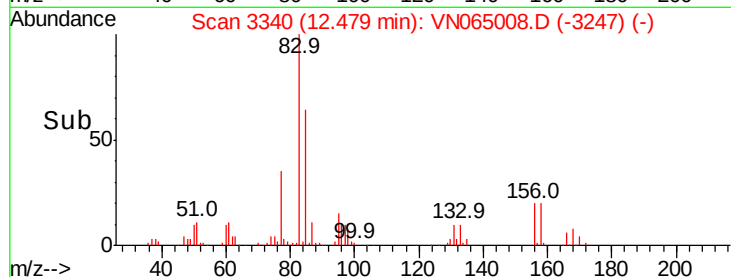
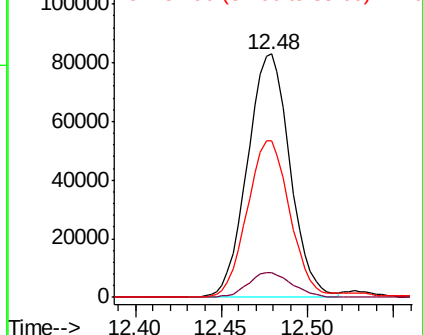
83 100

131 10.5 5.1 15.3

85 64.6 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 65.910 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN065008.D

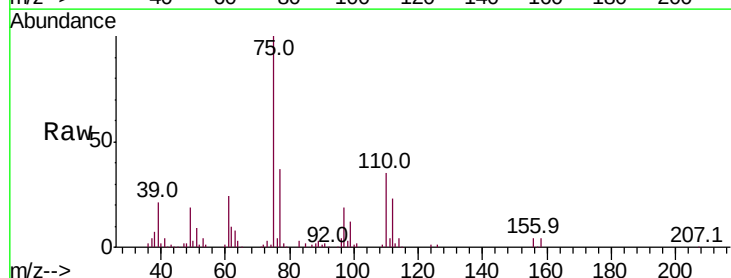
Acq: 9 Dec 2020 7:52

Tgt Ion: 75 Resp: 192222

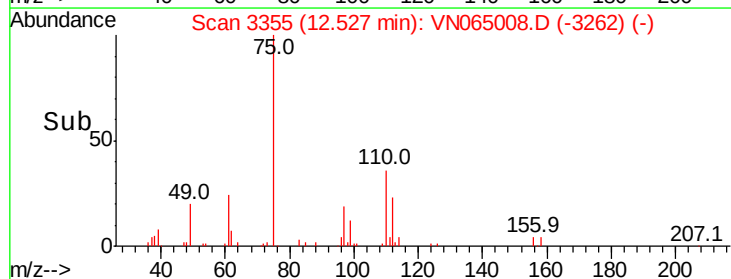
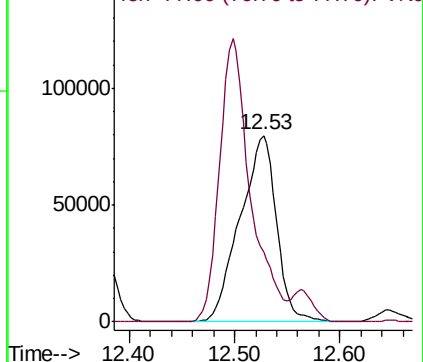
Ion Ratio Lower Upper

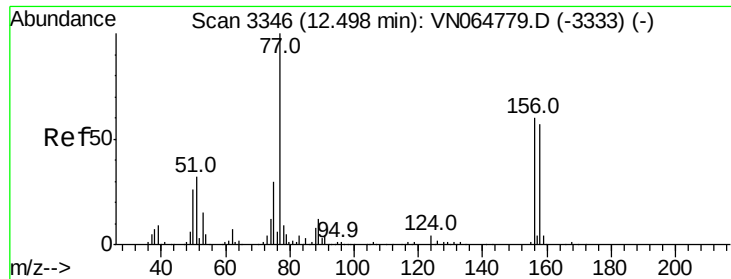
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 49.139 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

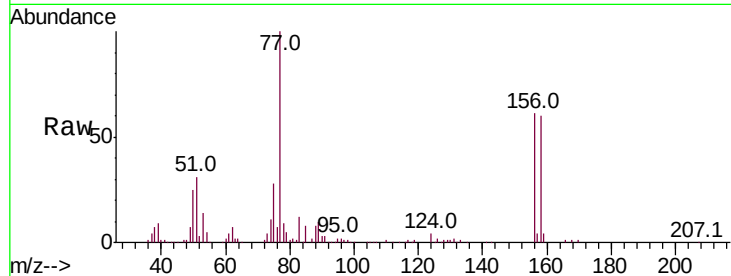
Tot Ion:156 Resp: 124788

Ion Ratio Lower Upper

156 100

77 198.4 101.3 303.7

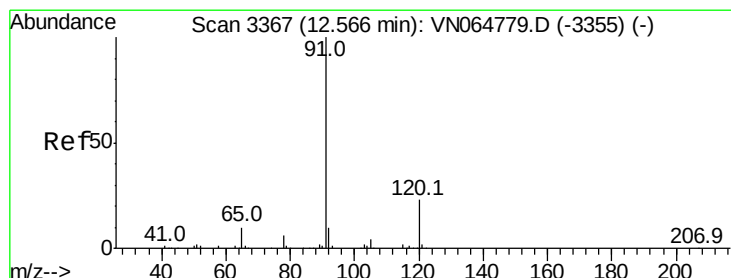
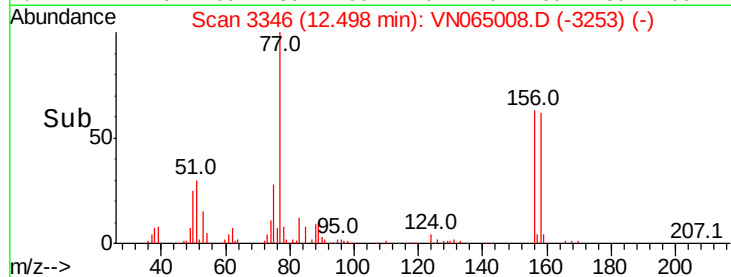
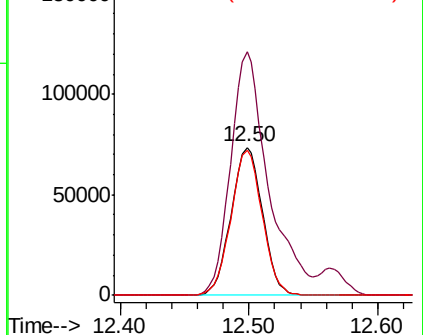
158 97.5 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.312 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN065008.D

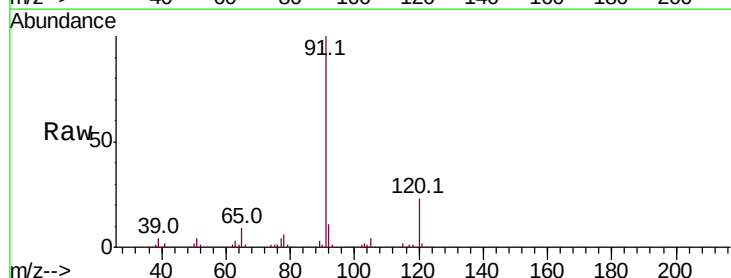
Acq: 9 Dec 2020 7:52

Tgt Ion: 91 Resp: 529159

Ion Ratio Lower Upper

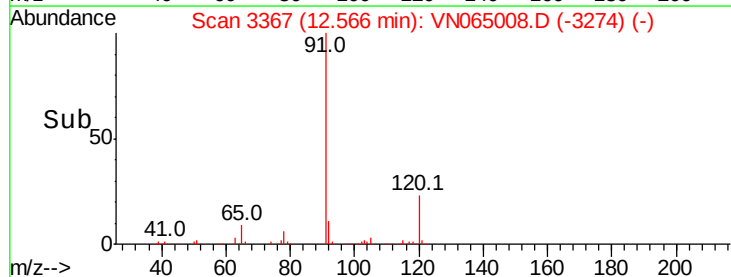
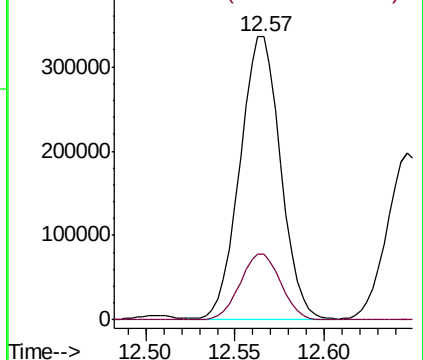
91 100

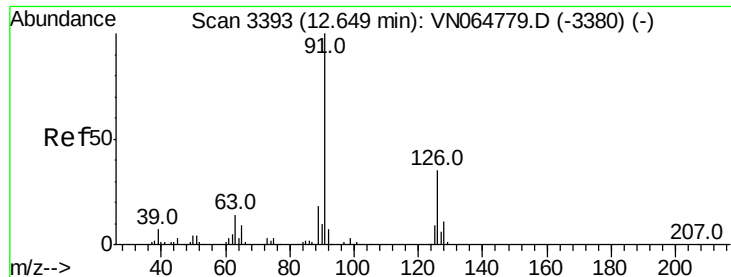
120 23.6 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.607 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

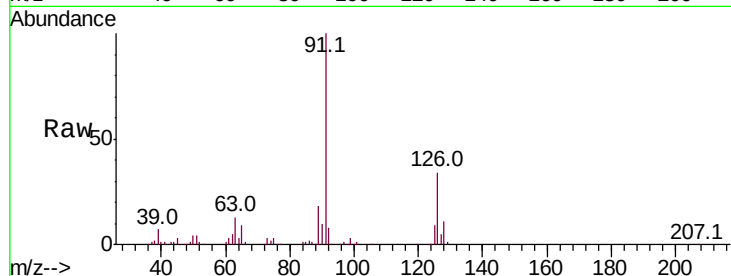
VSTDCCC050EC

Tot Ion: 91 Resp: 322416

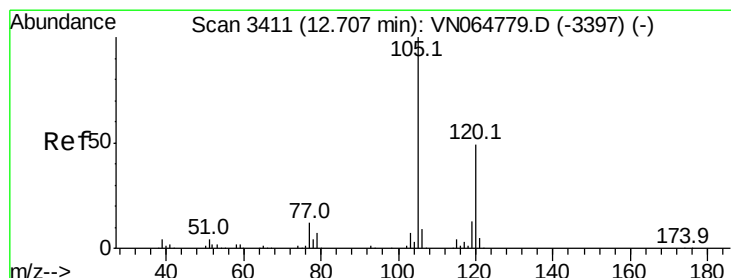
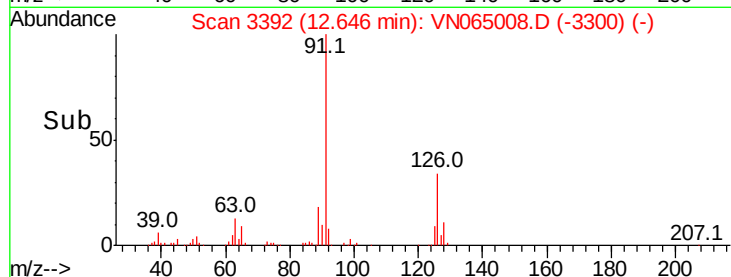
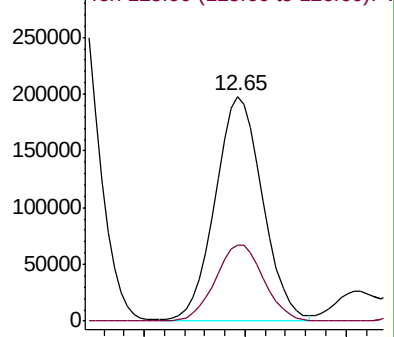
Ion Ratio Lower Upper

91 100

126 35.0 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.359 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN065008.D

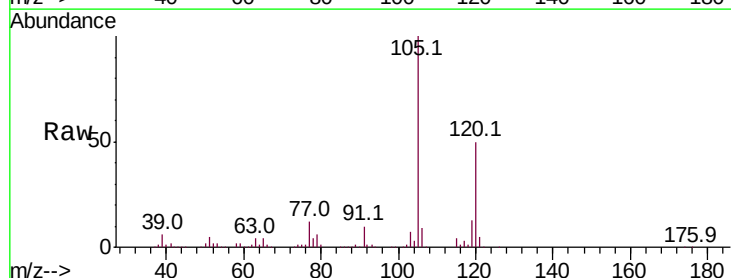
Acq: 9 Dec 2020 7:52

Tgt Ion:105 Resp: 409946

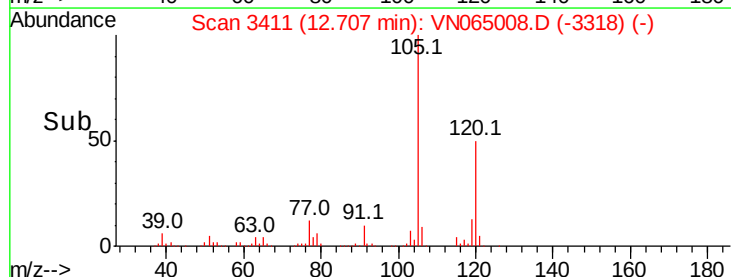
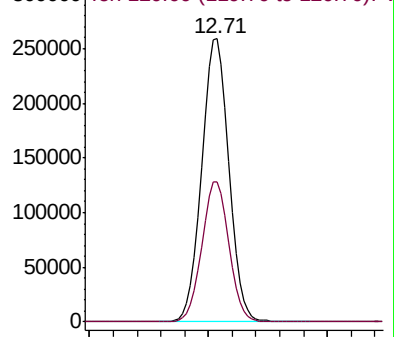
Ion Ratio Lower Upper

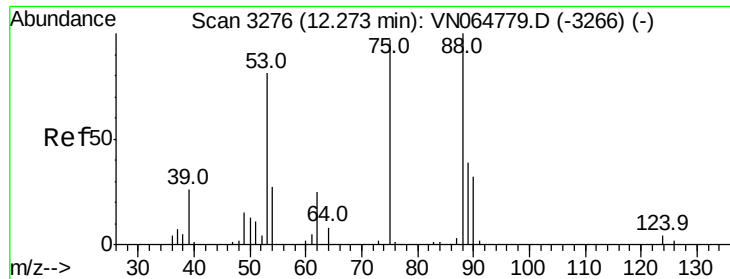
105 100

120 49.3 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064779.D (-3397) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.372 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

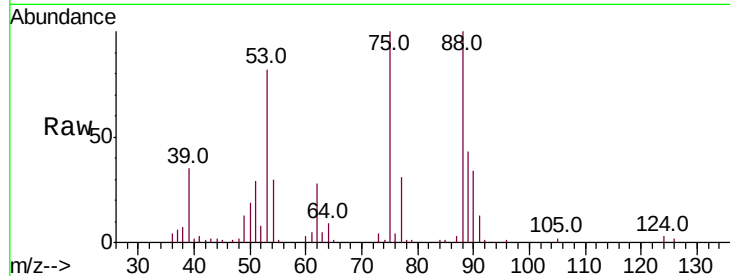
Tot Ion: 75 Resp: 48280

Ion Ratio Lower Upper

75 100

53 85.9 67.0 100.4

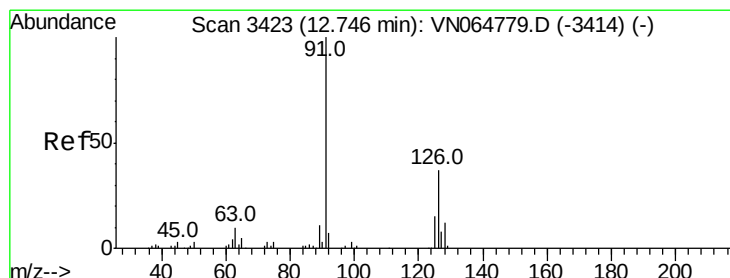
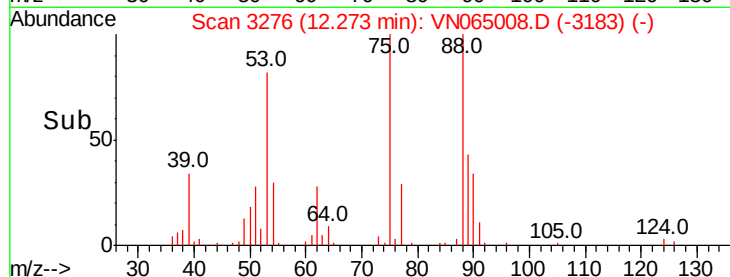
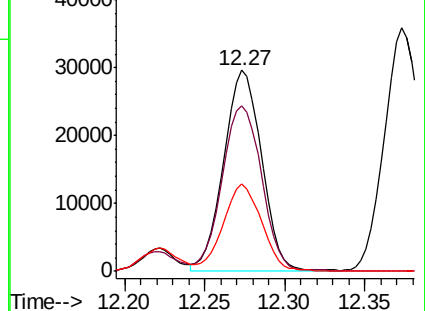
89 43.7 39.6 59.4



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064779.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN064779.D (-3266) (-)



#82

4-Chlorotoluene

Concen: 48.441 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN065008.D

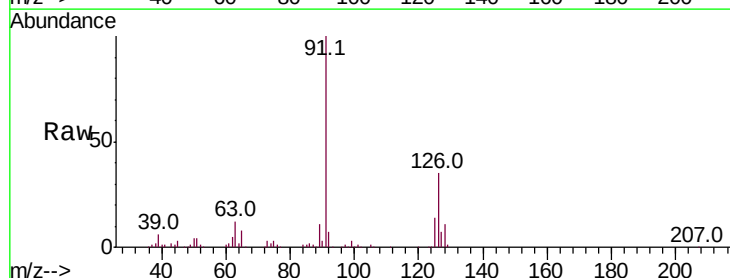
Acq: 9 Dec 2020 7:52

Tgt Ion: 91 Resp: 336799

Ion Ratio Lower Upper

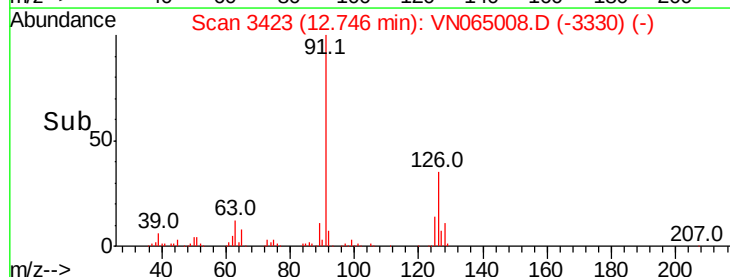
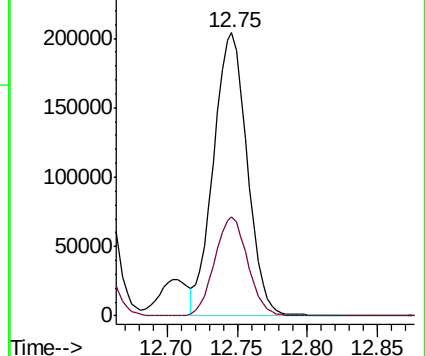
91 100

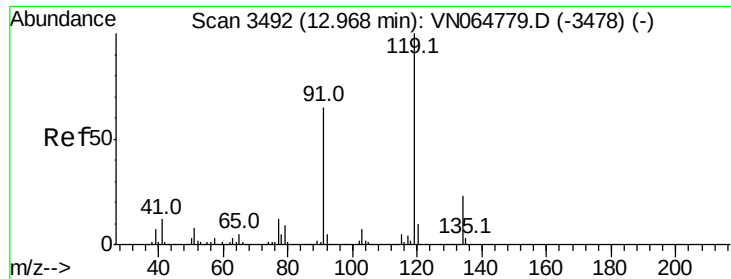
126 34.6 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3414) (-)

Ion 125.90 (125.60 to 126.60): VN064779.D (-3414) (-)

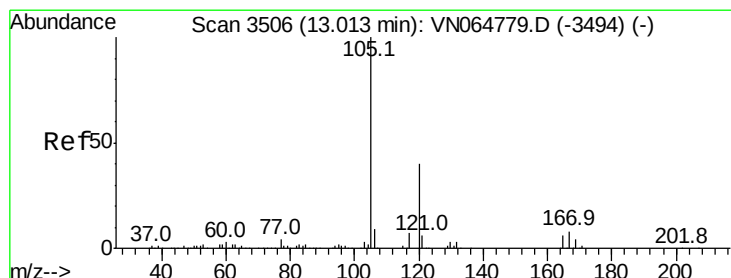
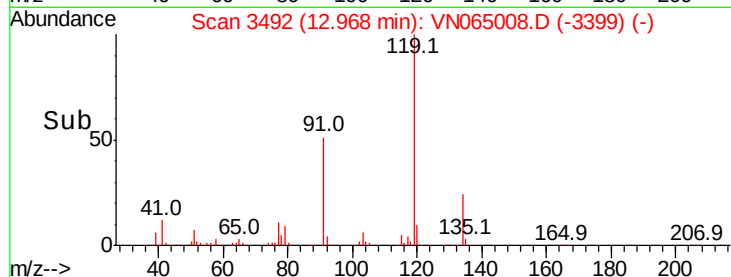
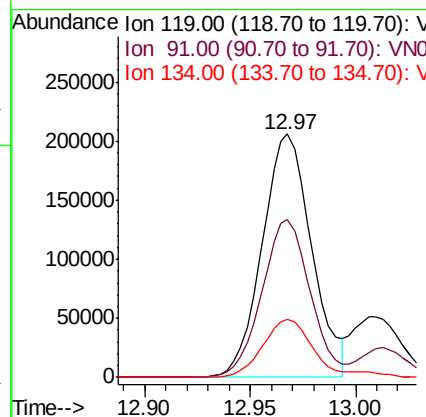
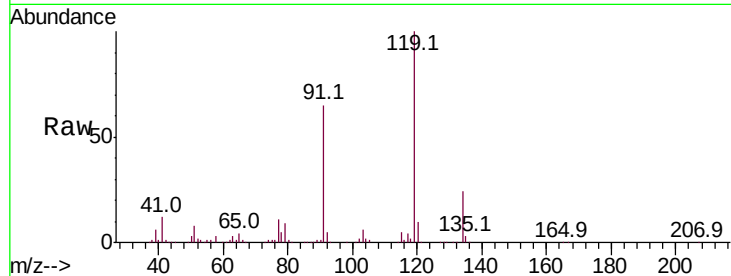




#83
 tert-Butylbenzene
 Concen: 51.184 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

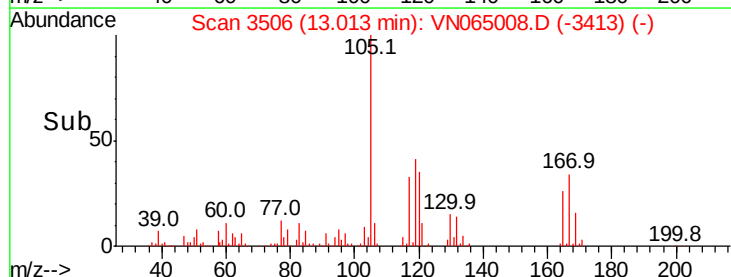
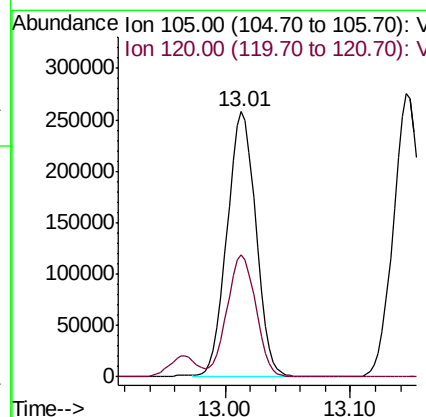
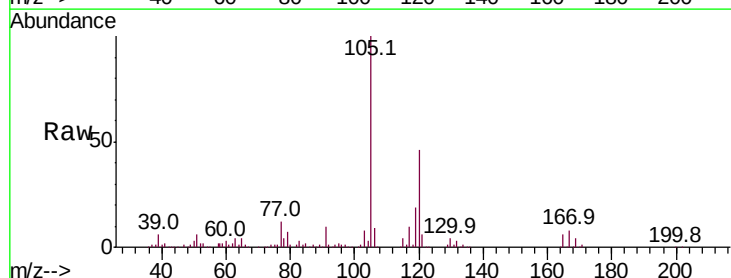
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

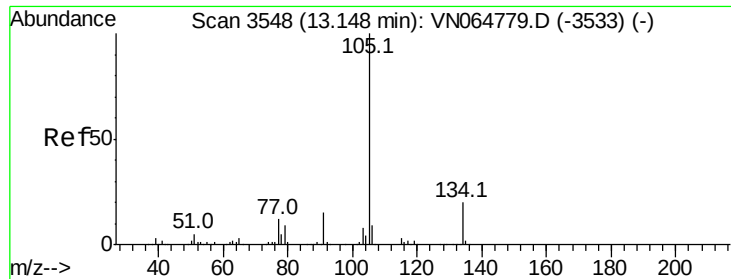
Tot Ion:119 Resp: 335899
 Ion Ratio Lower Upper
 119 100
 91 63.1 32.3 96.8
 134 23.6 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 51.893 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion:105 Resp: 410790
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 49.223 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

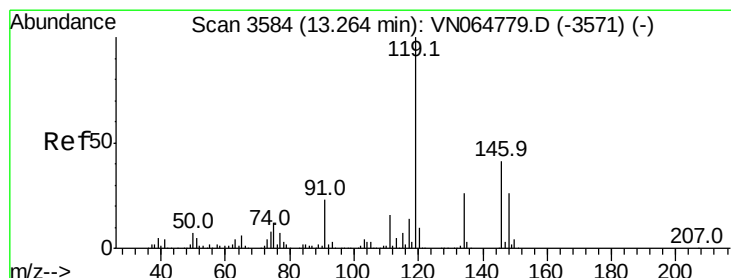
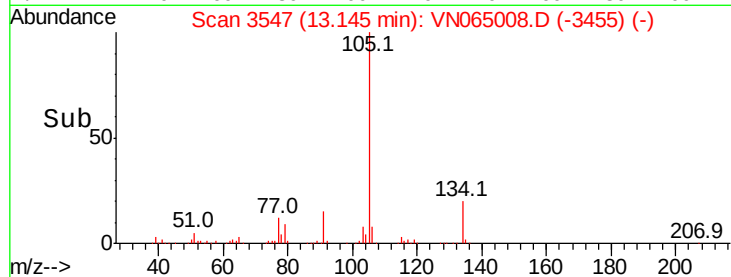
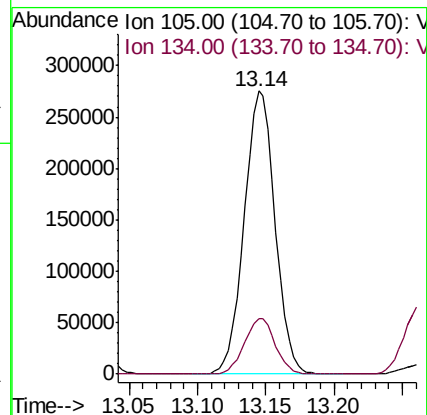
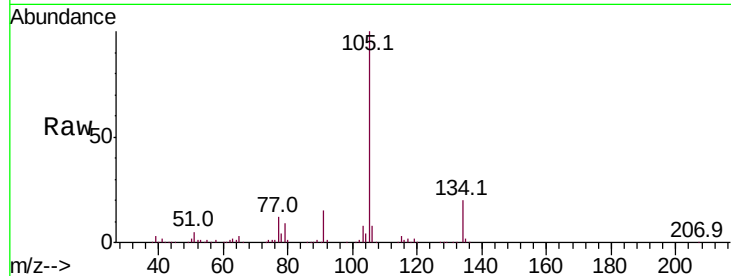
VSTDCCC050EC

Tot Ion:105 Resp: 428898

Ion Ratio Lower Upper

105 100

134 19.8 10.1 30.1



#86

p-Isopropyltoluene

Concen: 50.278 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

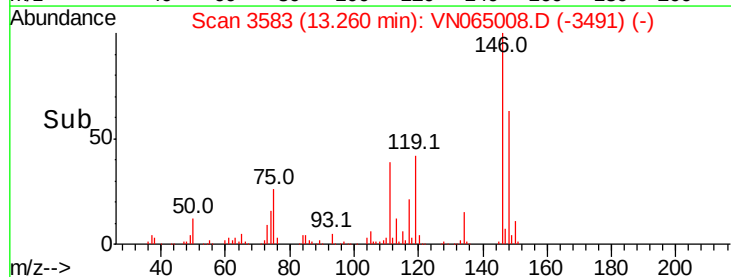
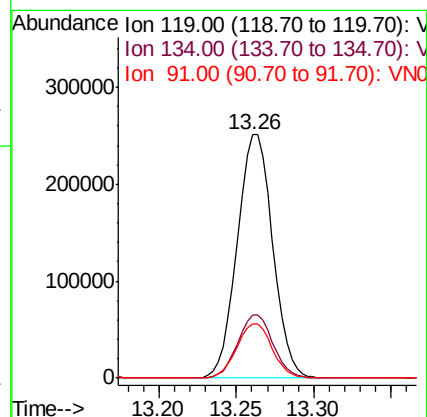
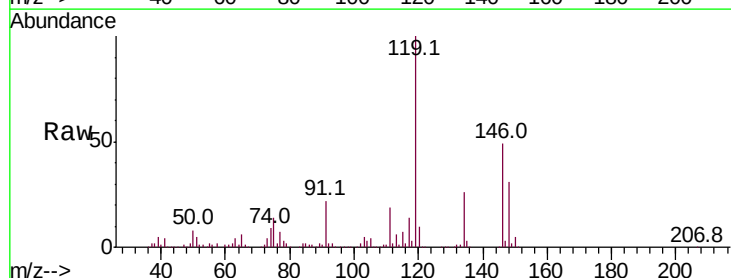
Tgt Ion:119 Resp: 398856

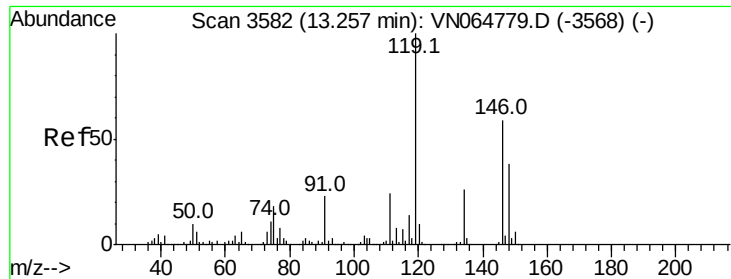
Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.1

91 22.2 11.5 34.5

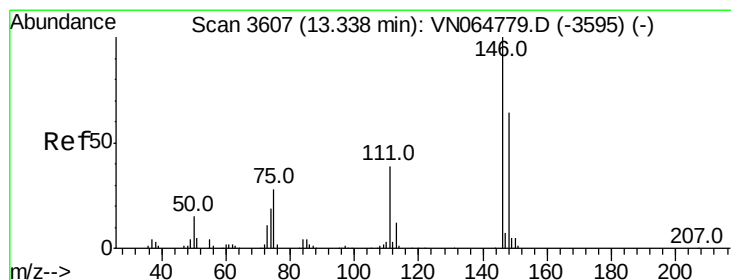
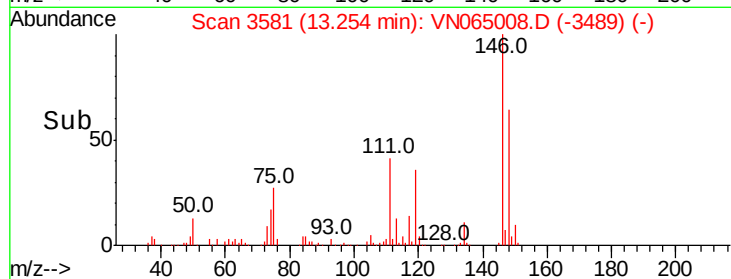
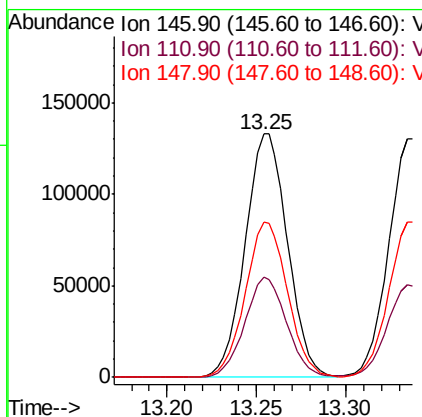
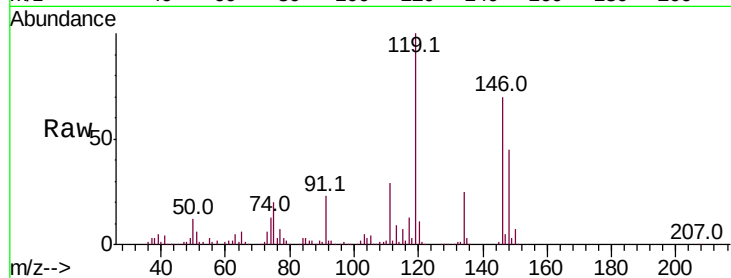




#87
 1,3-Dichlorobenzene
 Concen: 49.079 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

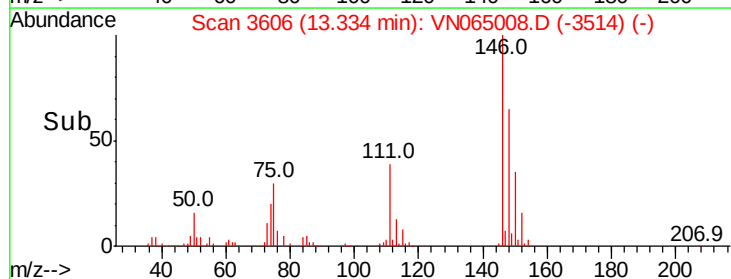
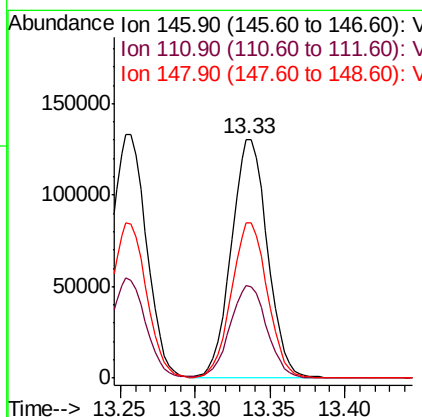
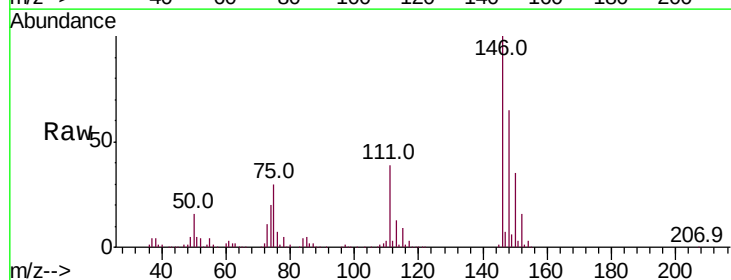
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

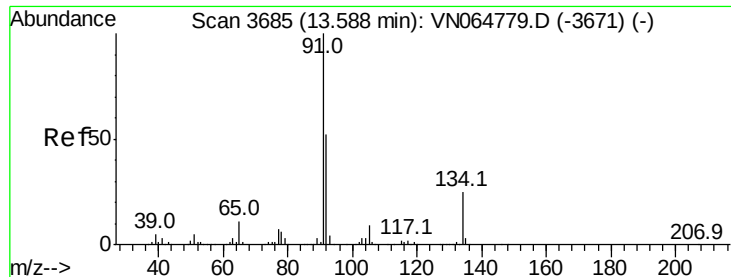
Tot Ion:146 Resp: 221436
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.6 61.9
 148 63.5 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 45.791 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion:146 Resp: 218492
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.8 59.3
 148 65.4 31.9 95.5

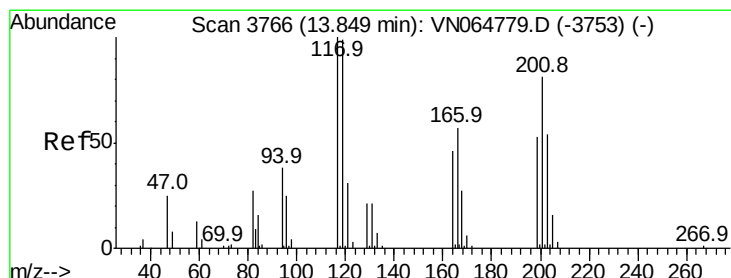
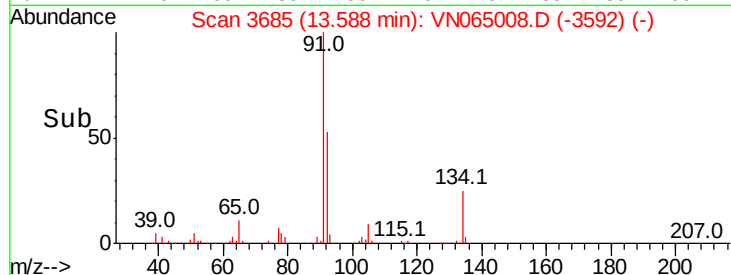
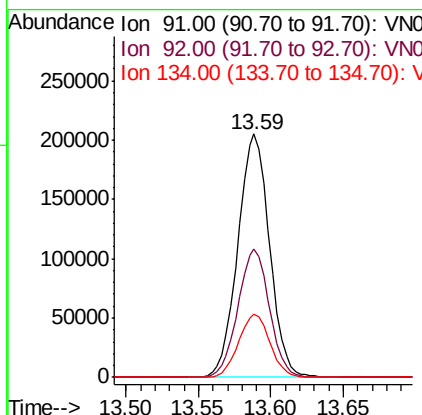
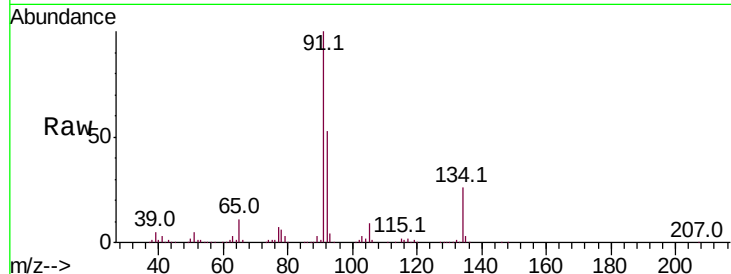




#89
n-Butylbenzene
Concen: 44.796 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

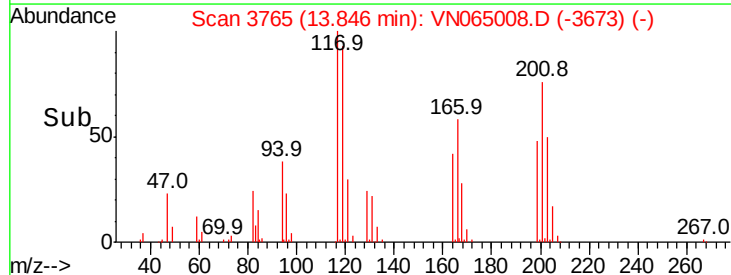
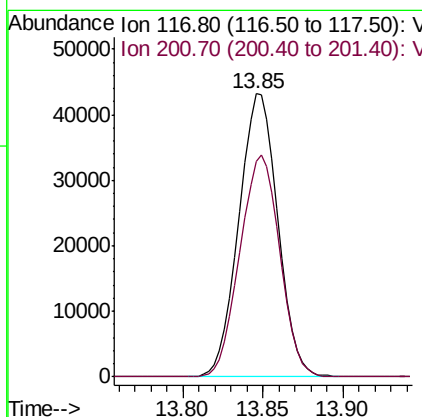
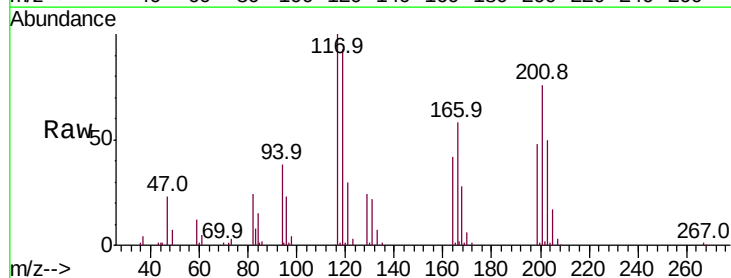
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MSVOA_N
ClientSampleId :
VSTDCCC050EC

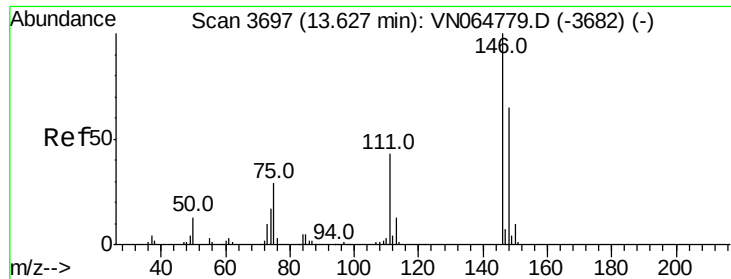
Tot Ion: 91 Resp: 312077
Ion Ratio Lower Upper
91 100
92 52.5 26.0 78.0
134 25.9 12.9 38.6



#90
Hexachloroethane
Concen: 52.112 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN065008.D
Acq: 9 Dec 2020 7:52

Tgt Ion: 117 Resp: 71816
Ion Ratio Lower Upper
117 100
201 80.4 40.1 120.3

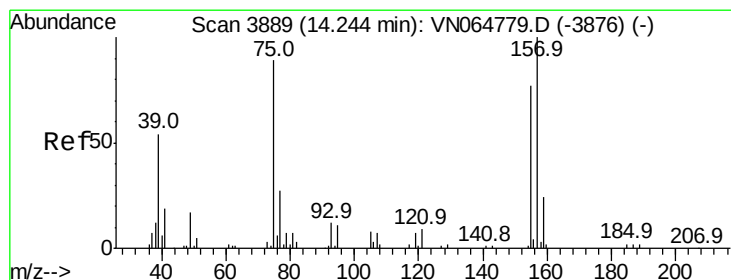
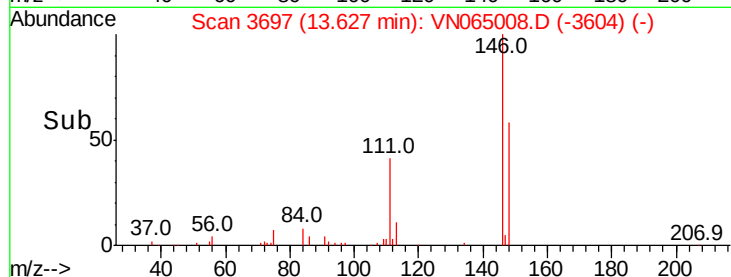
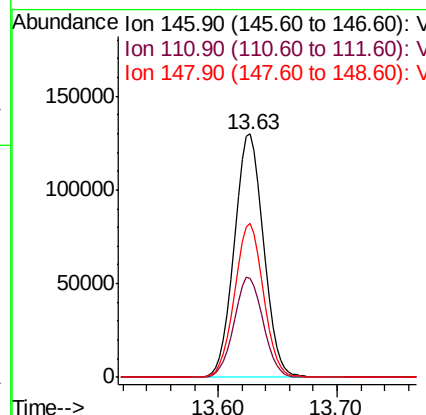
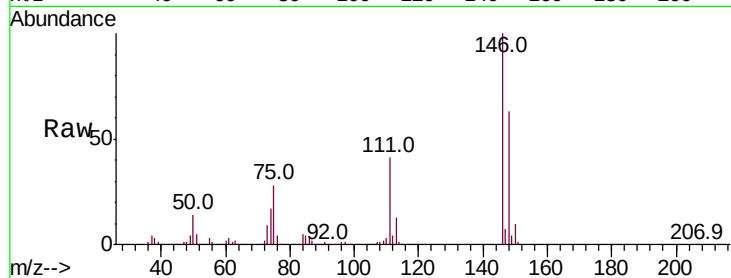




#91
 1,2-Dichlorobenzene
 Concen: 50.122 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

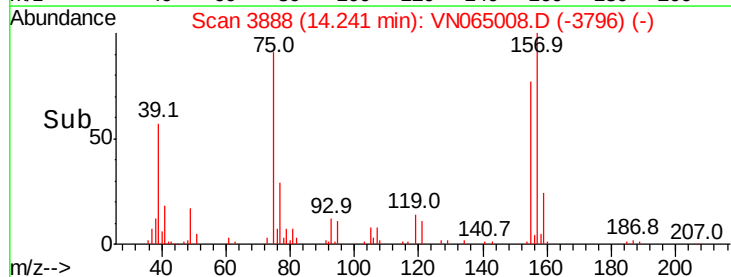
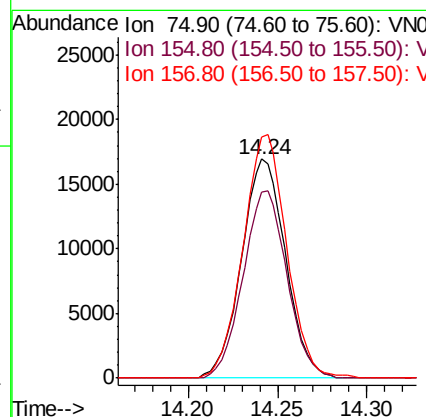
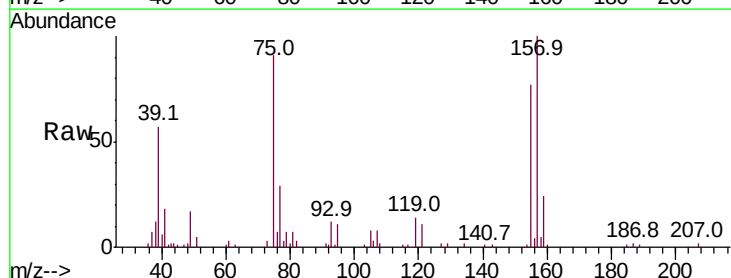
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

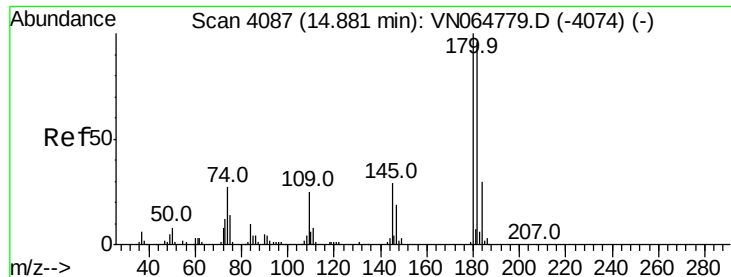
Tot Ion:146 Resp: 222047
 Ion Ratio Lower Upper
 146 100
 111 40.7 21.1 63.1
 148 62.4 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.060 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion: 75 Resp: 29235
 Ion Ratio Lower Upper
 75 100
 155 85.2 42.8 128.3
 157 110.3 56.4 169.1

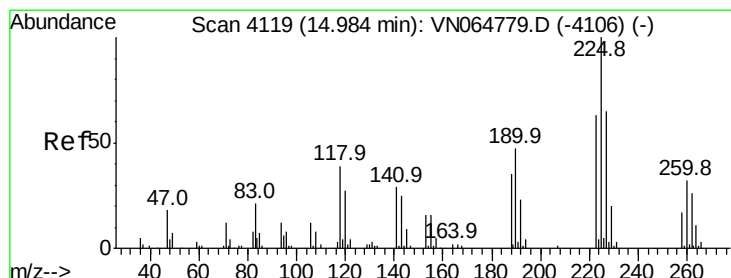
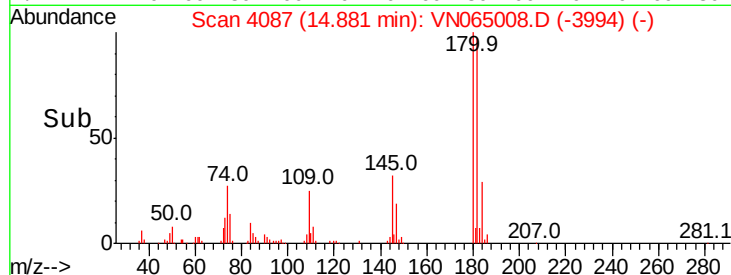
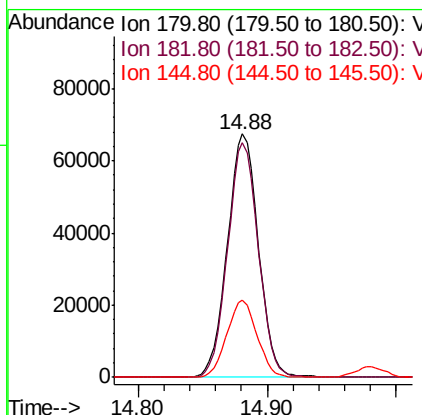
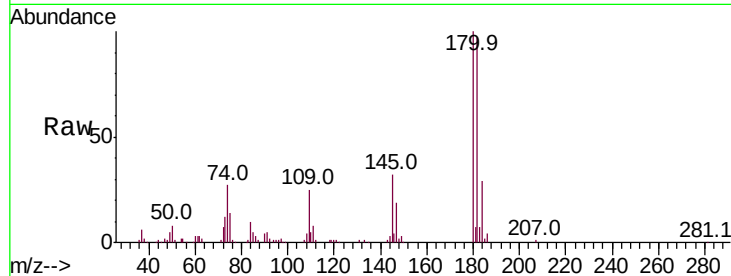




#93
 1,2,4-Trichlorobenzene
 Concen: 41.060 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

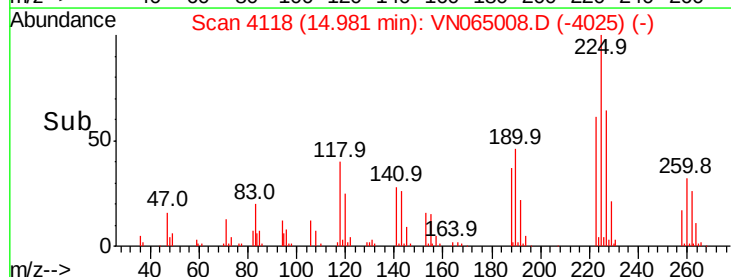
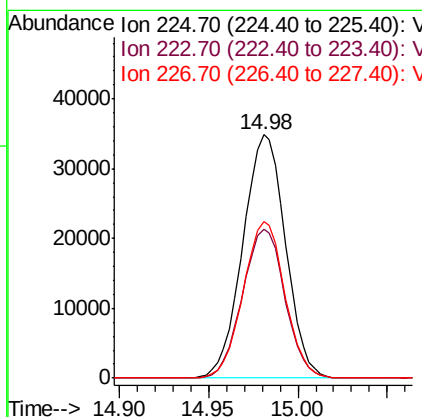
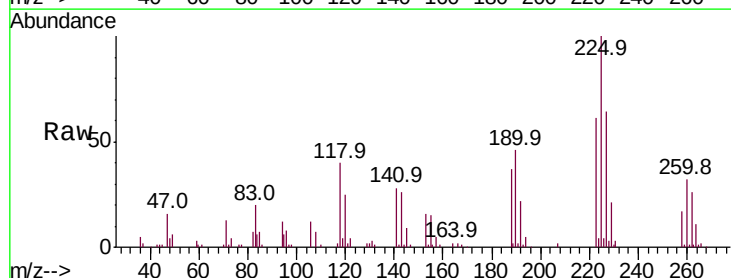
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

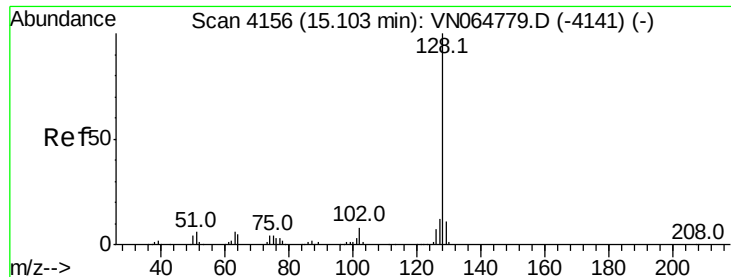
Tot Ion:180 Resp: 112527
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.6 142.9
 145 30.8 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 47.135 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN065008.D
 Acq: 9 Dec 2020 7:52

Tgt Ion:225 Resp: 58143
 Ion Ratio Lower Upper
 225 100
 223 60.9 31.0 93.0
 227 62.6 32.0 96.0





#95

Naphthalene

Concen: 42.028 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

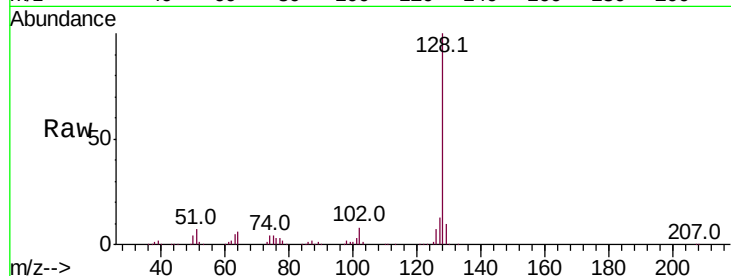
Tot Ion:128 Resp: 345062

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

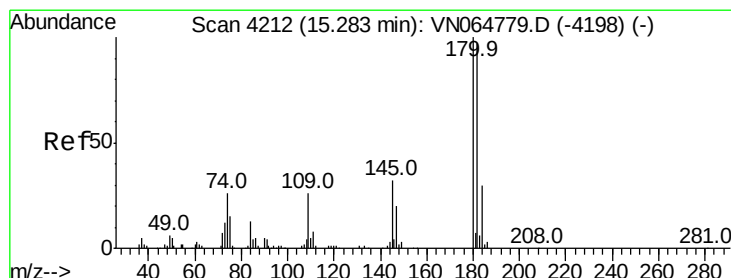
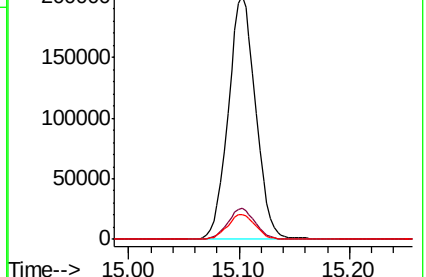
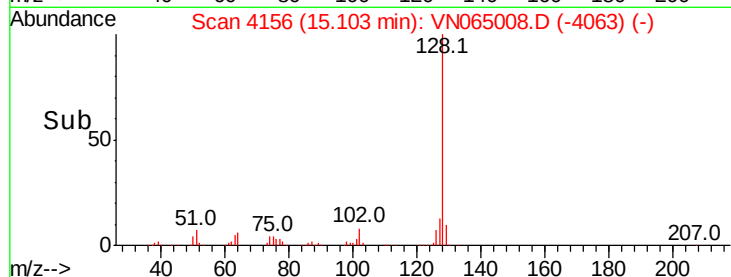
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 40.940 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN065008.D

Acq: 9 Dec 2020 7:52

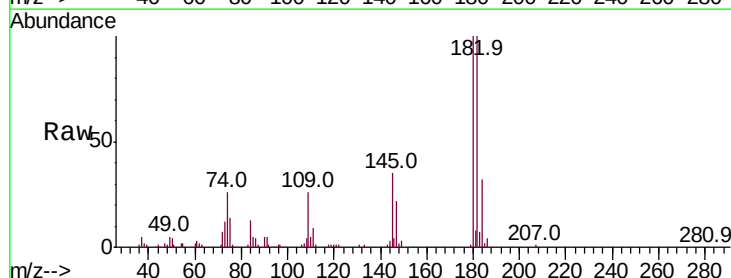
Tgt Ion:180 Resp: 105945

Ion Ratio Lower Upper

180 100

182 98.4 48.1 144.4

145 33.3 16.4 49.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

