

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064843.D
 Acq On : 25 Nov 2020 5:07
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 25 06:03:31 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	184660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	290118	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	271438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	131168	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	105349	49.07	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.14%
35) Dibromofluoromethane	7.55	113	92205	53.11	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.22%
50) Toluene-d8	10.06	98	357595	50.41	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.82%
62) 4-Bromofluorobenzene	12.37	95	127797	50.34	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.68%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	76033	47.509	ug/l	97
3) Chloromethane	2.04	50	97117	46.697	ug/l	100
4) Vinyl Chloride	2.17	62	104818	48.342	ug/l	97
5) Bromomethane	2.52	94	63177	44.411	ug/l	99
6) Chloroethane	2.67	64	64965	48.442	ug/l	97
7) Trichlorofluoromethane	2.99	101	144835	48.323	ug/l	96
8) Diethyl Ether	3.37	74	59021	49.888	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	85619	47.619	ug/l	97
10) Methyl Iodide	3.91	142	95740	41.052	ug/l	98
11) Tert butyl alcohol	4.74	59	73997	221.020	ug/l	99
12) 1,1-Dichloroethene	3.69	96	88657	49.511	ug/l	98
13) Acrolein	3.57	56	39426	192.792	ug/l	100
14) Allyl chloride	4.27	41	139268	47.155	ug/l	97
15) Acrylonitrile	4.93	53	229859	248.526	ug/l	100
16) Acetone	3.78	43	176248	249.745	ug/l	98
17) Carbon Disulfide	4.01	76	228892	49.507	ug/l	98
18) Methyl Acetate	4.28	43	102548	48.331	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	288214	50.185	ug/l	98
20) Methylene Chloride	4.50	84	105114	47.533	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	95402	47.977	ug/l	99
22) Diisopropyl ether	5.90	45	306702	51.883	ug/l	98
23) Vinyl Acetate	5.85	43	1232645	260.754	ug/l	99
24) 1,1-Dichloroethane	5.80	63	180481	51.086	ug/l	99
25) 2-Butanone	6.79	43	286980	250.858	ug/l	97
26) 2,2-Dichloropropane	6.78	77	122787	40.073	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	111990	50.049	ug/l	97
28) Bromochloromethane	7.15	49	79674	49.297	ug/l	98
29) Tetrahydrofuran	7.17	42	190472	241.198	ug/l	99
30) Chloroform	7.33	83	183327	50.320	ug/l	99
31) Cyclohexane	7.61	56	144006	48.129	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	156110	49.890	ug/l	100
36) 1,1-Dichloropropene	7.75	75	134380	49.972	ug/l	100
37) Ethyl Acetate	6.88	43	119174	46.007	ug/l	99
38) Carbon Tetrachloride	7.73	117	138940	49.657	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	146012	50.439	ug/l	99
40) Benzene	8.00	78	411988	49.996	ug/l	99
41) Methacrylonitrile	7.12	41	55448	46.391	ug/l	96
42) 1,2-Dichloroethane	8.08	62	134102	48.241	ug/l	99
43) Isopropyl Acetate	8.13	43	197414	47.362	ug/l	99
44) Trichloroethene	8.80	130	115448	47.483	ug/l	96
45) 1,2-Dichloropropane	9.08	63	111637	52.314	ug/l	100
46) Dibromomethane	9.17	93	72151	50.609	ug/l	97
47) Bromodichloromethane	9.37	83	144925	50.522	ug/l	100
48) Methyl methacrylate	9.17	41	97844	49.126	ug/l	97
49) 1,4-Dioxane	9.17	88	36087	958.653	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	621400	248.328	ug/l	100
52) Toluene	10.12	92	260222	51.278	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	155823	48.771	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	168989	49.345	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	104991	50.312	ug/l	98
56) Ethyl methacrylate	10.40	69	150277	52.185	ug/l	98
57) 1,3-Dichloropropane	10.68	76	175814	51.074	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	419741	264.983	ug/l	99
59) 2-Hexanone	10.72	43	451183	250.532	ug/l	99
60) Dibromochloromethane	10.87	129	118356	51.024	ug/l	100
61) 1,2-Dibromoethane	10.98	107	107647	50.774	ug/l	100
64) Tetrachloroethene	10.60	164	115386	43.693	ug/l	99
65) Chlorobenzene	11.41	112	285781	49.027	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	106874	49.890	ug/l	99
67) Ethyl Benzene	11.48	91	489712	50.290	ug/l	99
68) m/p-Xylenes	11.59	106	382534	103.757	ug/l	99
69) o-Xylene	11.92	106	182853	52.265	ug/l	99
70) Styrene	11.94	104	316465	53.582	ug/l	98
71) Bromoform	12.10	173	81712	47.757	ug/l #	100
73) Isopropylbenzene	12.22	105	486131	53.282	ug/l	100
74) N-amyl acetate	12.04	43	178751	49.784	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	136774	51.146	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	190207	67.334	ug/l #	100
77) Bromobenzene	12.50	156	122997	50.004	ug/l	100
78) n-propylbenzene	12.56	91	543785	52.319	ug/l	99
79) 2-Chlorotoluene	12.65	91	327257	50.937	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	415062	54.732	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	46096	44.724	ug/l	98
82) 4-Chlorotoluene	12.75	91	339408	50.399	ug/l	100
83) tert-Butylbenzene	12.97	119	347830	54.721	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	416759	54.354	ug/l	99
85) sec-Butylbenzene	13.14	105	456891	54.136	ug/l	99
86) p-Isopropyltoluene	13.26	119	417893	54.387	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	215099	49.221	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	218256	47.225	ug/l	99
89) n-Butylbenzene	13.59	91	340136	50.407	ug/l	100
90) Hexachloroethane	13.85	117	73086	54.753	ug/l	100
91) 1,2-Dichlorobenzene	13.62	146	215226	50.158	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	27754	46.125	ug/l	99

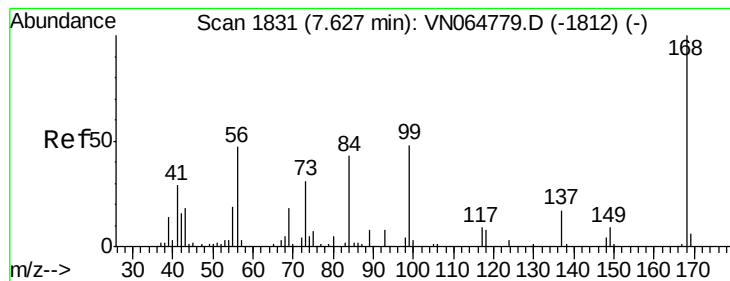
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	124158	46.774	ug/l	99
94) Hexachlorobutadiene	14.98	225	59138	49.478	ug/l	100
95) Naphthalene	15.10	128	389076	48.926	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	121955	48.392	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

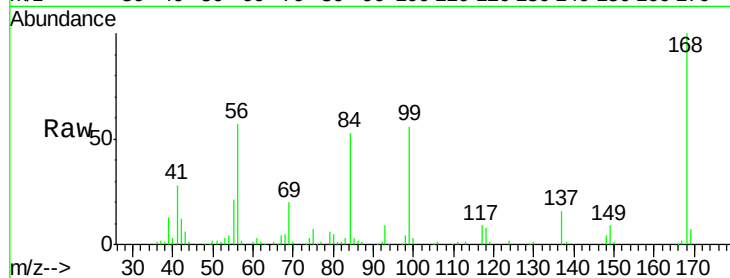
VSTDCCC050EC

Tot Ion:168 Resp: 184660

Ion Ratio Lower Upper

168 100

99 55.8 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

60000

40000

20000

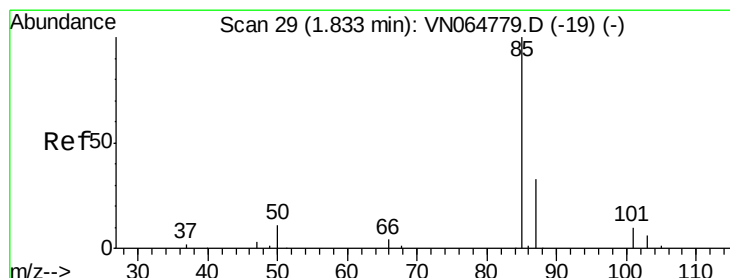
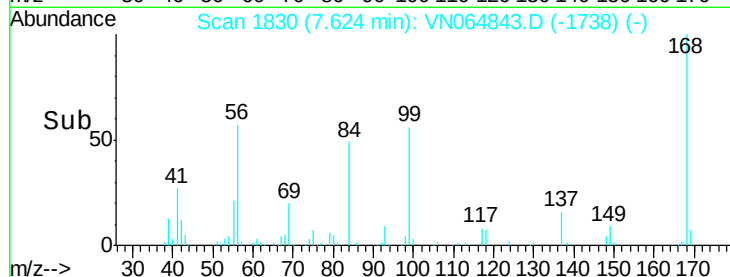
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.509 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064843.D

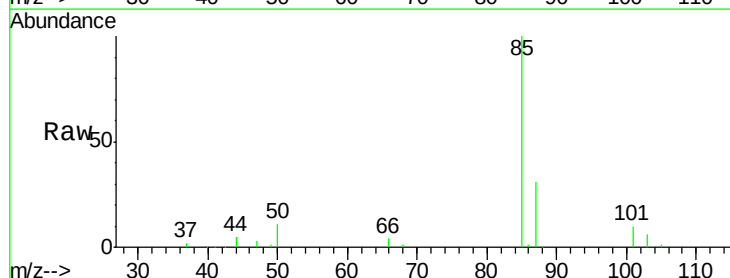
Acq: 25 Nov 2020 5:07

Tgt Ion: 85 Resp: 76033

Ion Ratio Lower Upper

85 100

87 31.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

40000

20000

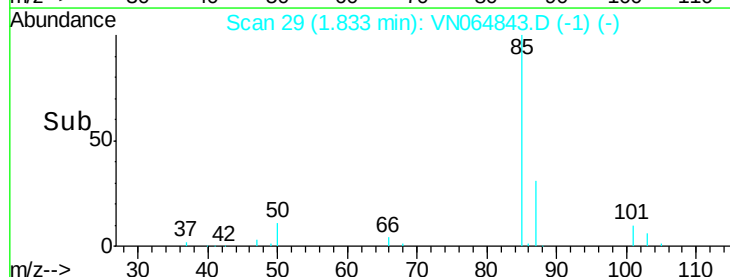
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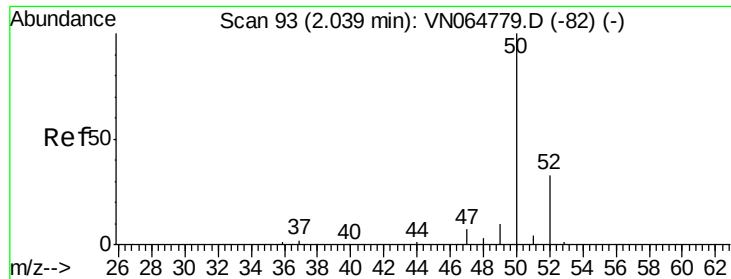
1.80

1.85

1.90

Time-->

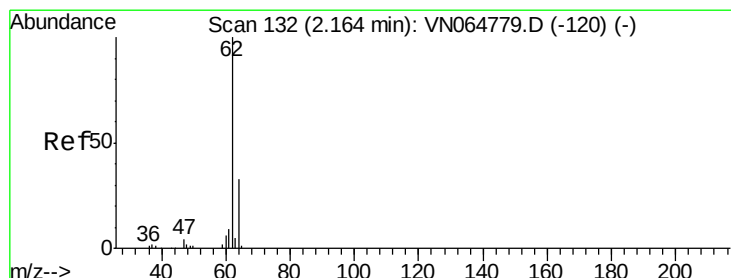
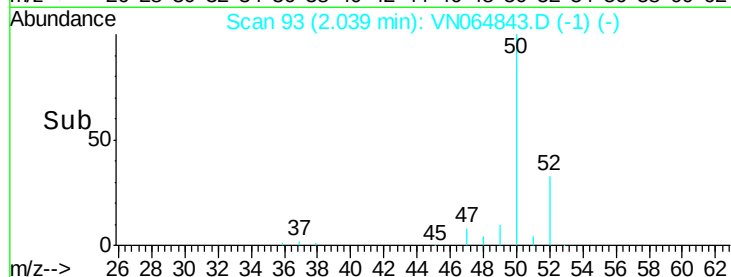
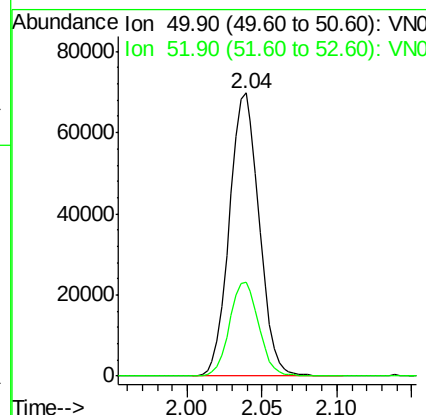
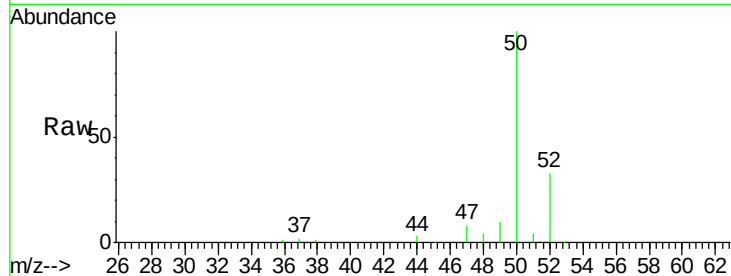




#3
 Chloromethane
 Concen: 46.697 ug/l
 RT: 2.04 min Scan# 93
 Delta R.T. 0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

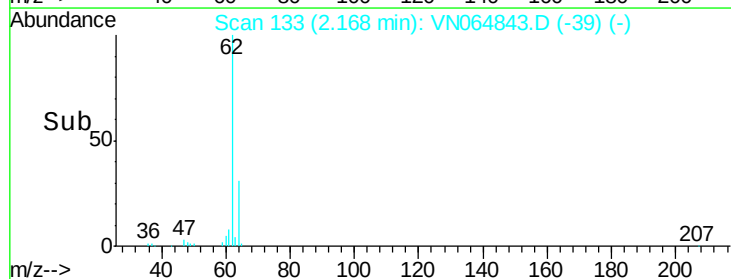
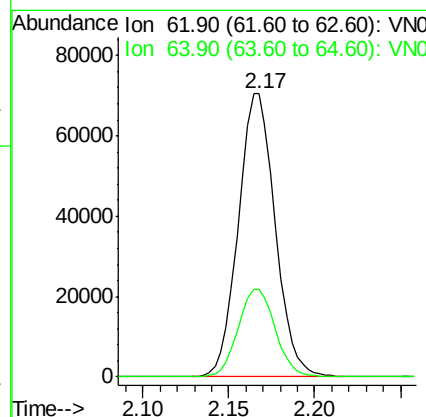
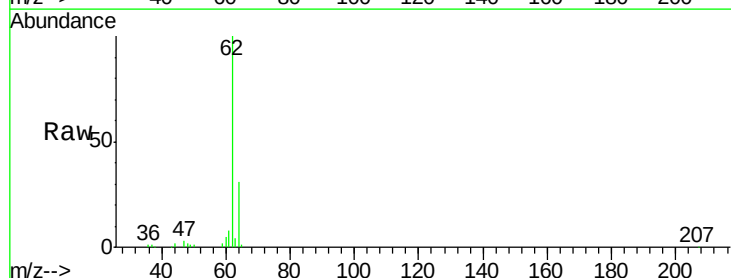
Instrument :
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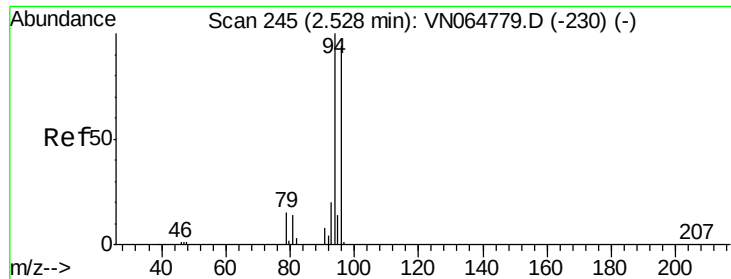
Tot Ion: 50 Resp: 97117
 Ion Ratio Lower Upper
 50 100
 52 33.3 26.6 39.8



#4
 Vinyl Chloride
 Concen: 48.342 ug/l
 RT: 2.17 min Scan# 133
 Delta R.T. 0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

Tgt Ion: 62 Resp: 104818
 Ion Ratio Lower Upper
 62 100
 64 31.1 26.5 39.7

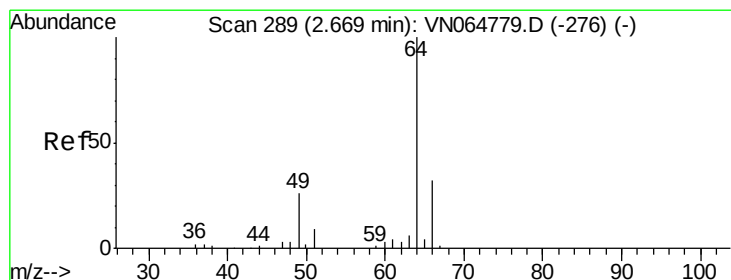
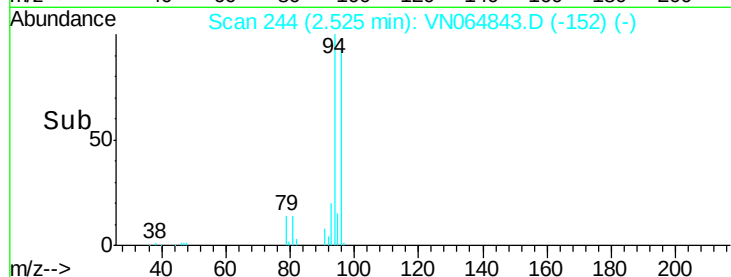
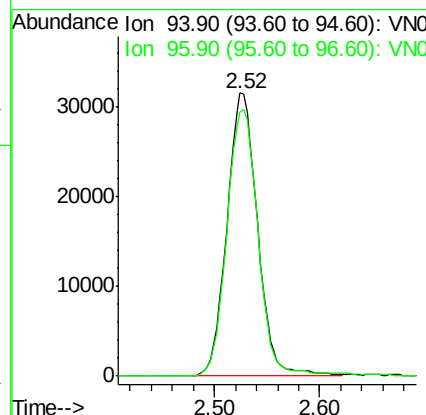
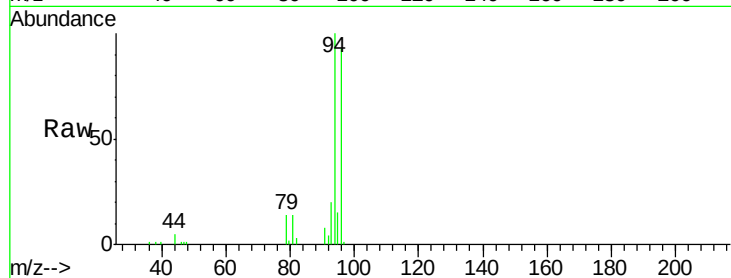




#5
Bromomethane
Concen: 44.411 ug/l
RT: 2.52 min Scan# 244
Delta R.T. -0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

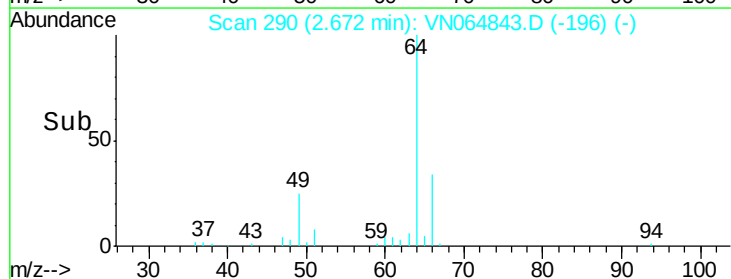
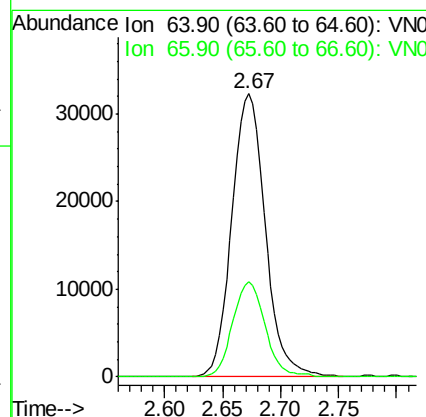
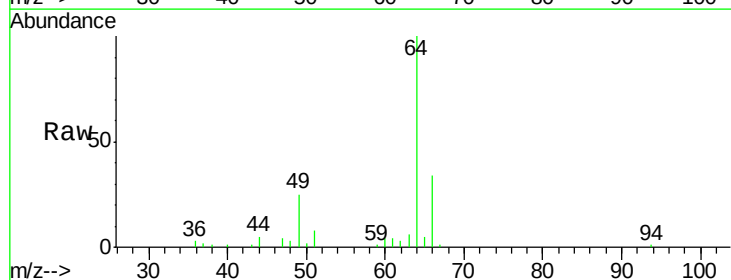
Instrument :
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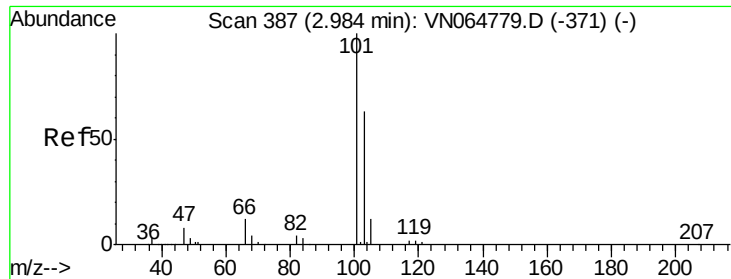
Tot Ion: 94 Resp: 63177
Ion Ratio Lower Upper
94 100
96 93.4 75.4 113.0



#6
Chloroethane
Concen: 48.442 ug/l
RT: 2.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

Tgt Ion: 64 Resp: 64965
Ion Ratio Lower Upper
64 100
66 33.7 25.6 38.4



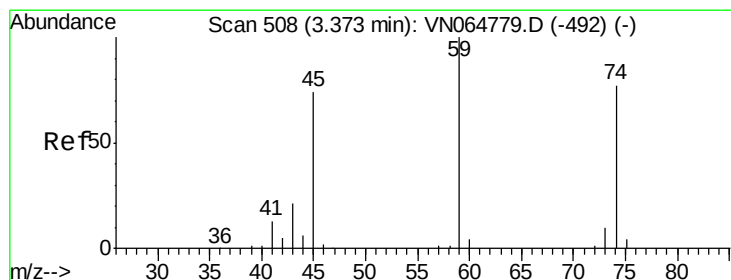
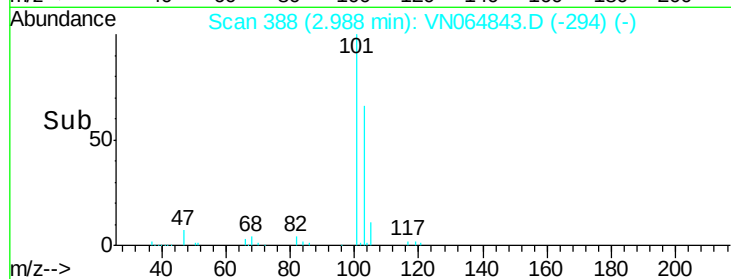
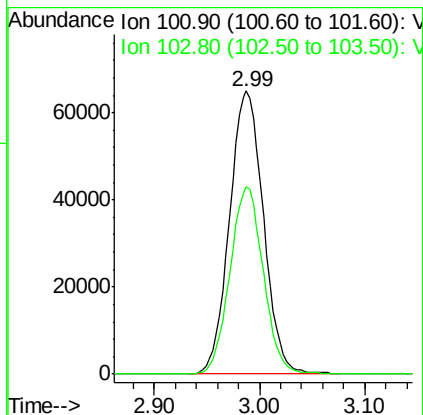
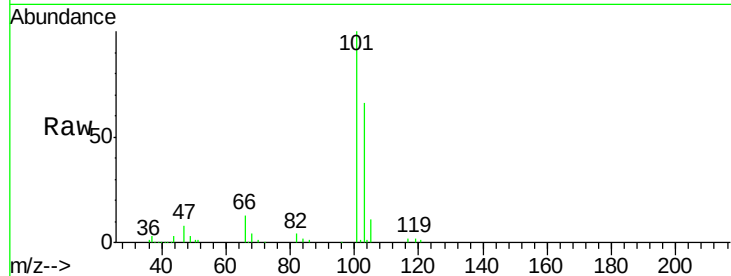


#7

Trichlorofluoromethane
Concen: 48.323 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

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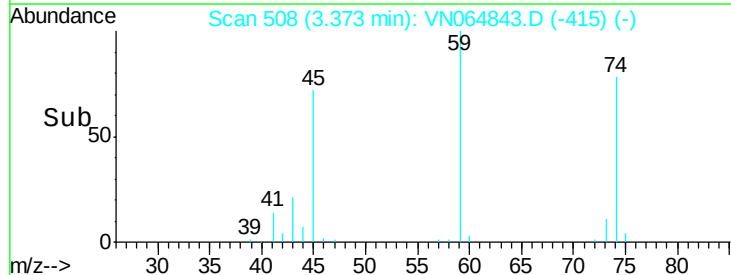
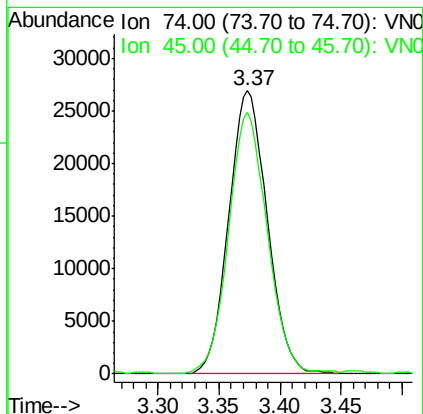
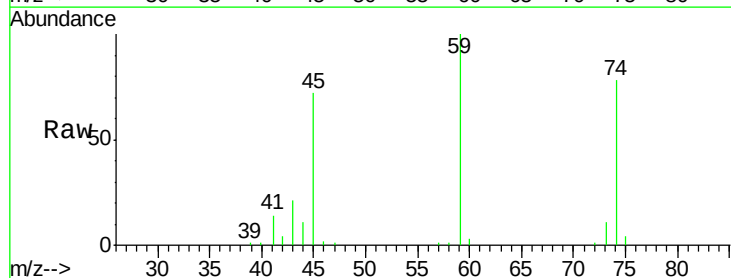
Tot Ion:101 Resp: 144835
Ion Ratio Lower Upper
101 100
103 66.1 50.5 75.7

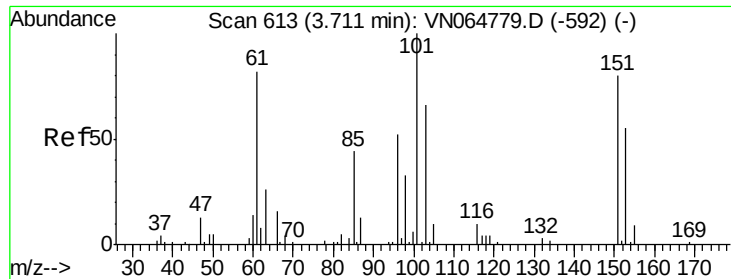


#8

Diethyl Ether
Concen: 49.888 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

Tgt Ion: 74 Resp: 59021
Ion Ratio Lower Upper
74 100
45 92.9 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.619 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

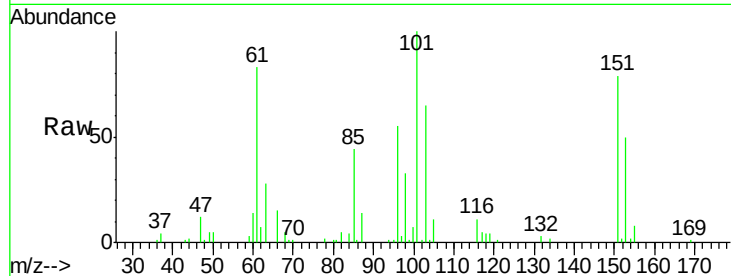
Tot Ion:101 Resp: 85619

Ion Ratio Lower Upper

101 100

85 42.3 34.4 51.6

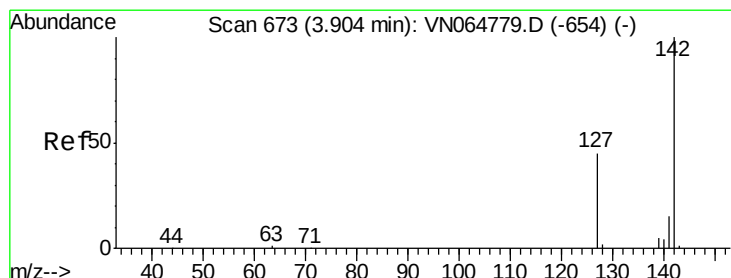
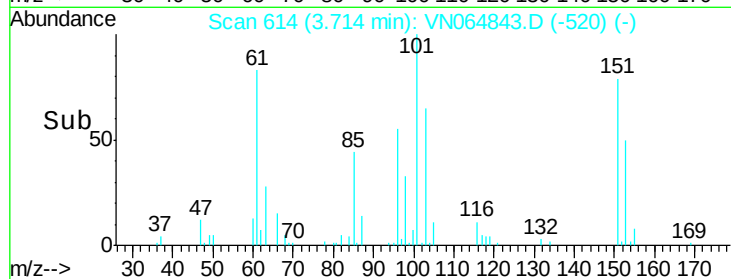
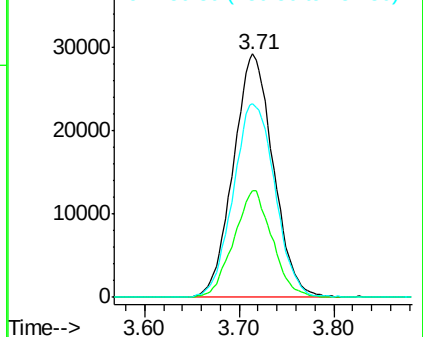
151 83.1 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.052 ug/l

RT: 3.91 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

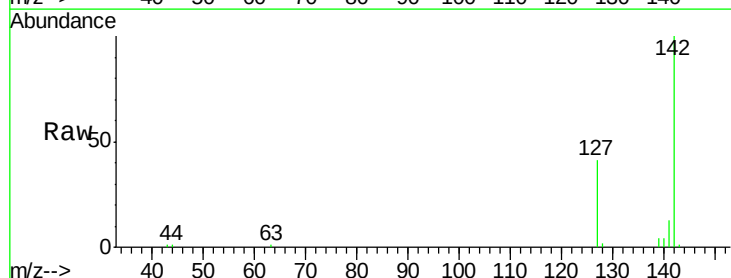
Tgt Ion:142 Resp: 95740

Ion Ratio Lower Upper

142 100

127 42.3 35.0 52.6

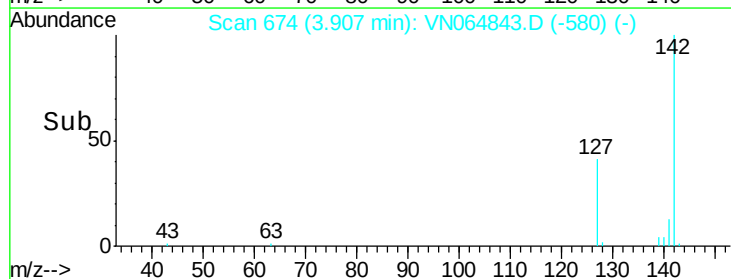
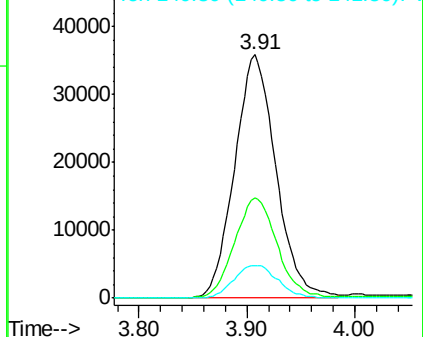
141 14.2 11.8 17.6

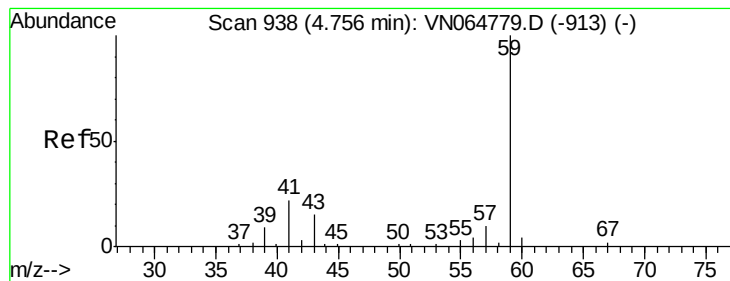


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



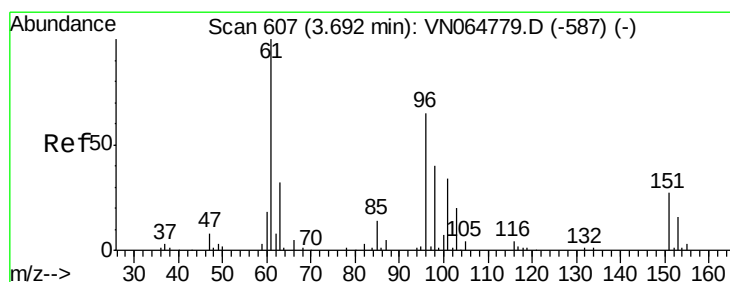
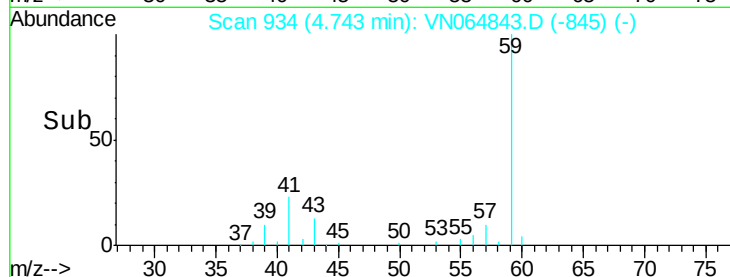
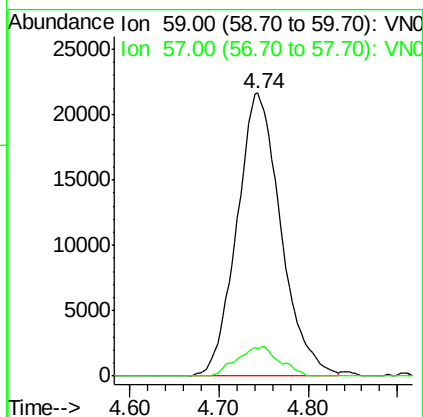
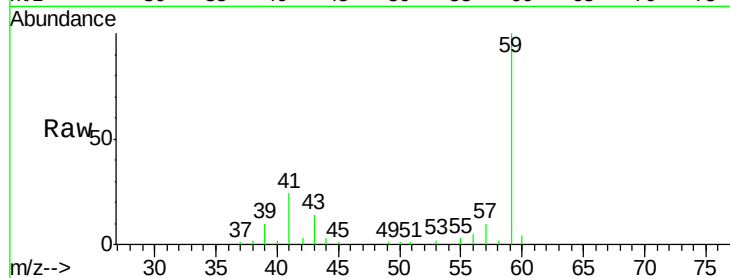


#11

Tert butyl alcohol
Concen: 221.020 ug/l
RT: 4.74 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

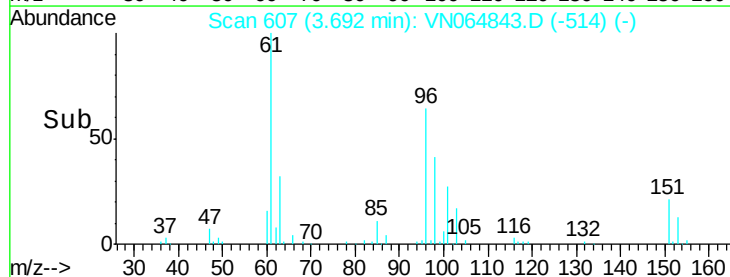
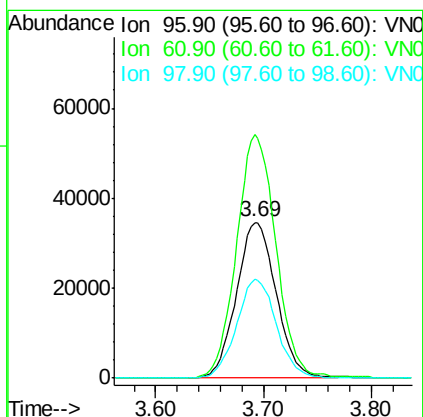
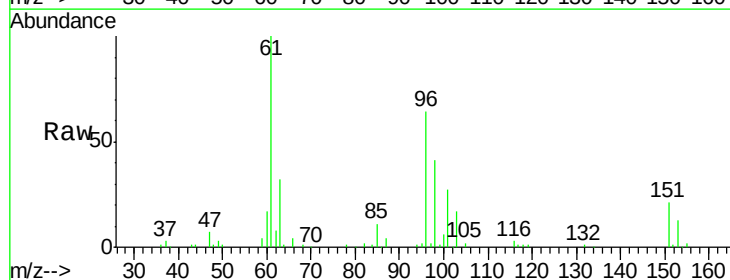
Tot Ion: 59 Resp: 73997
Ion Ratio Lower Upper
59 100
57 10.1 7.9 11.9

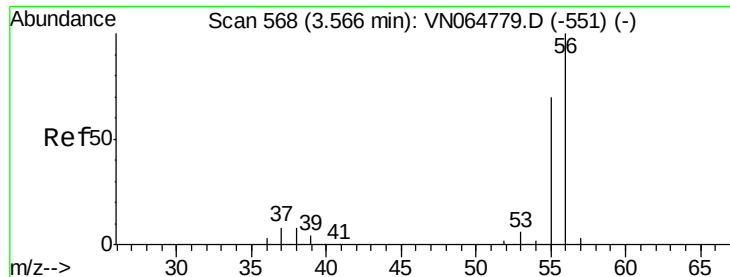


#12

1,1-Dichloroethene
Concen: 49.511 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

Tgt Ion: 96 Resp: 88657
Ion Ratio Lower Upper
96 100
61 156.6 123.4 185.2
98 63.6 49.8 74.8





#13

Acrolein

Concen: 192.792 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

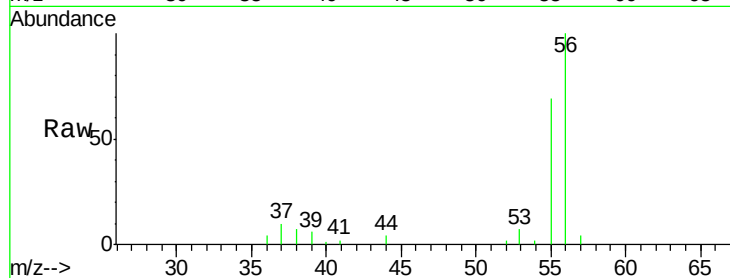
VSTDCCC050EC

Tot Ion: 56 Resp: 39426

Ion Ratio Lower Upper

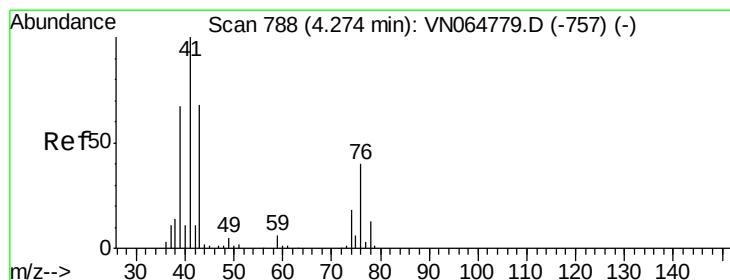
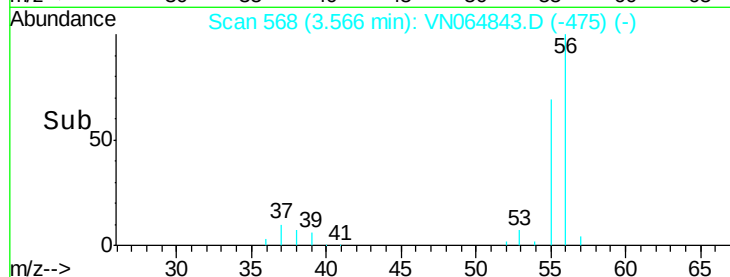
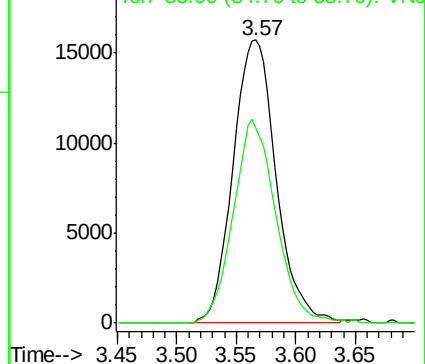
56 100

55 70.9 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.155 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

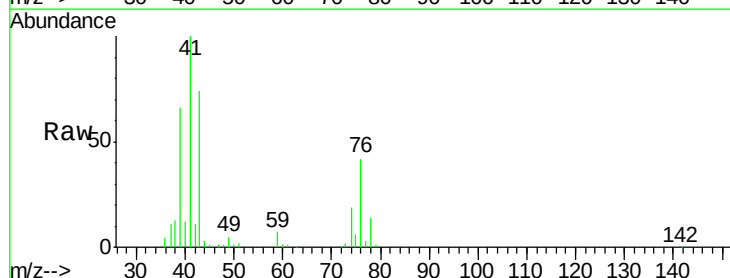
Tgt Ion: 41 Resp: 139268

Ion Ratio Lower Upper

41 100

39 62.1 50.9 76.3

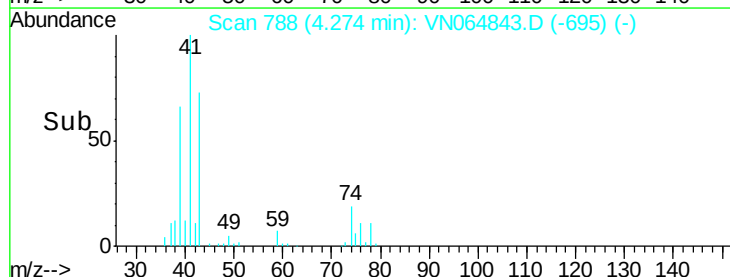
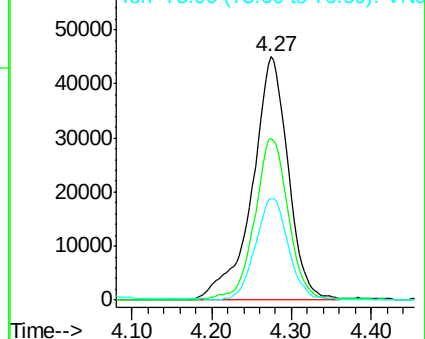
76 38.4 29.0 43.4

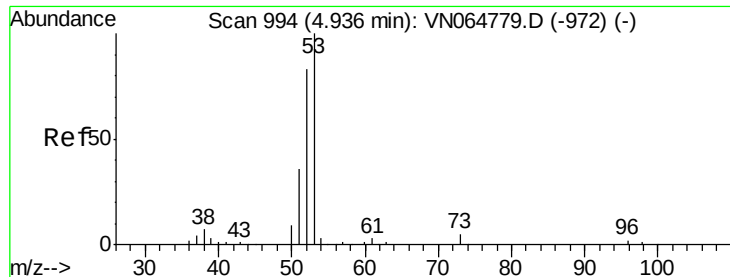


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 248.526 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

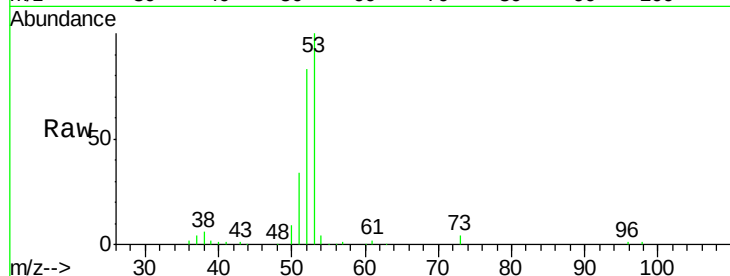
Tot Ion: 53 Resp: 229859

Ion Ratio Lower Upper

53 100

52 81.6 65.5 98.3

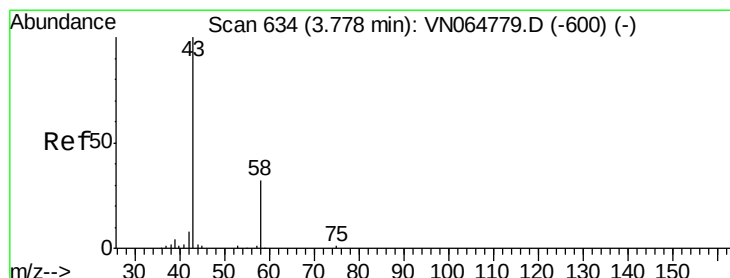
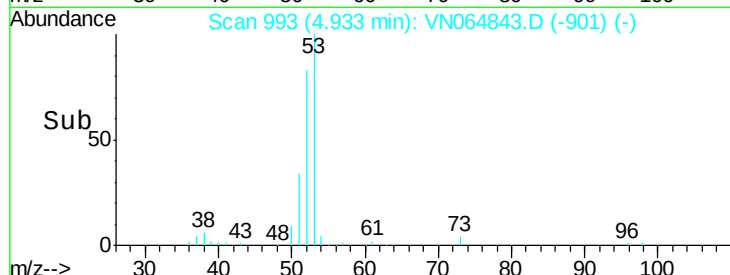
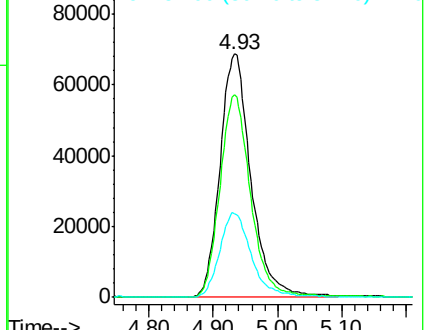
51 35.4 28.6 43.0



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: 249.745 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064843.D

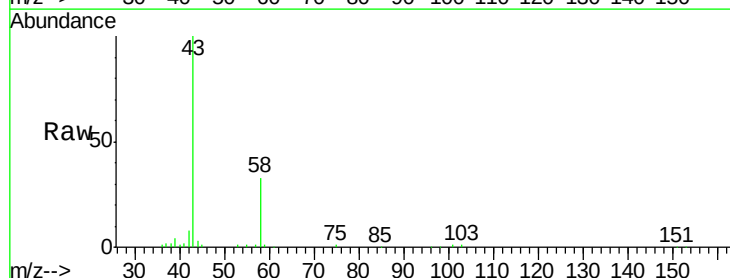
Acq: 25 Nov 2020 5:07

Tgt Ion: 43 Resp: 176248

Ion Ratio Lower Upper

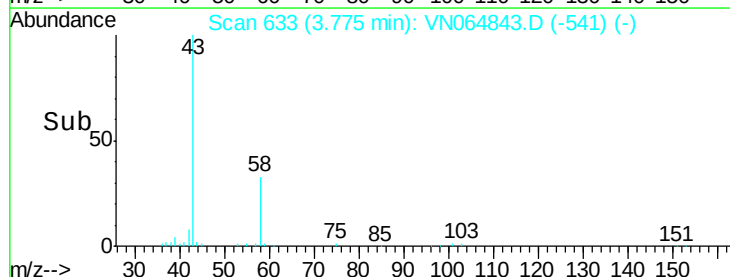
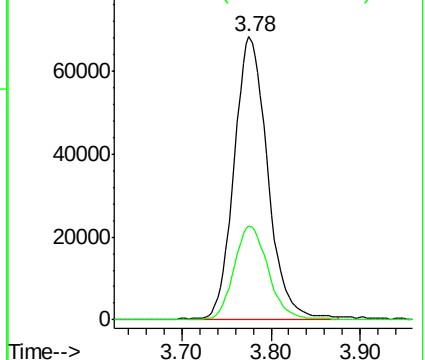
43 100

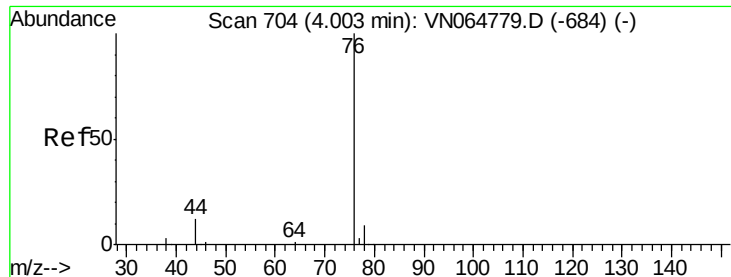
58 33.2 25.7 38.5



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: 49.507 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

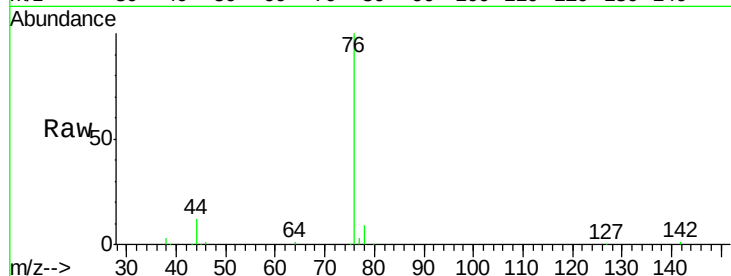
VSTDCCC050EC

Tot Ion: 76 Resp: 228892

Ion Ratio Lower Upper

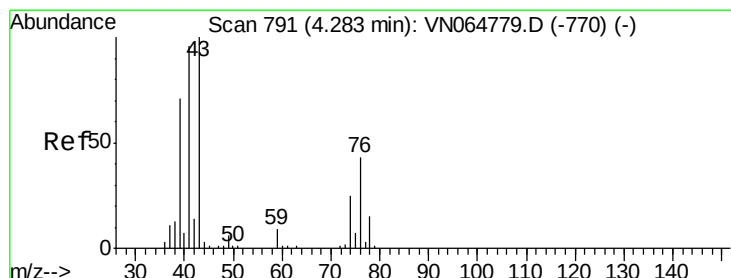
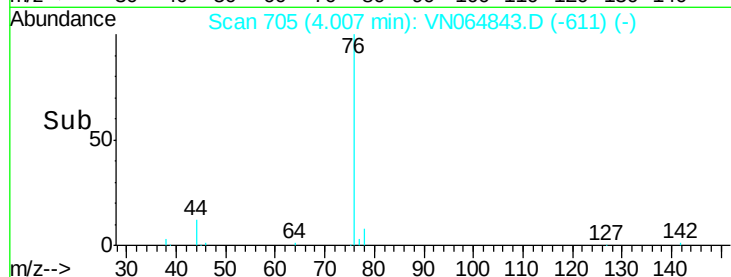
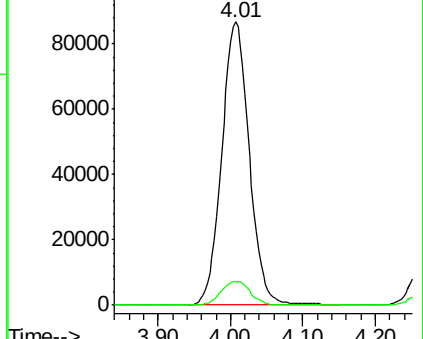
76 100

78 8.5 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN064843.D (-611) (-)

Ion 77.90 (77.60 to 78.60): VN064843.D (-611) (-)



#18

Methyl Acetate

Concen: 48.331 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064843.D

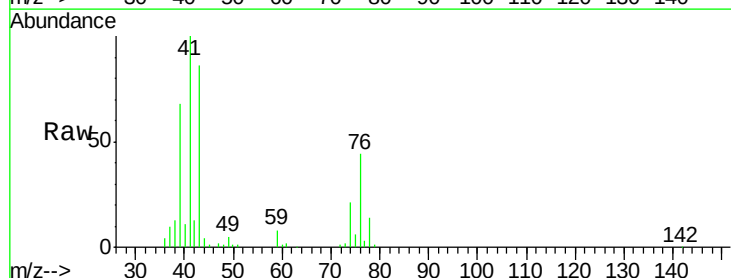
Acq: 25 Nov 2020 5:07

Tgt Ion: 43 Resp: 102548

Ion Ratio Lower Upper

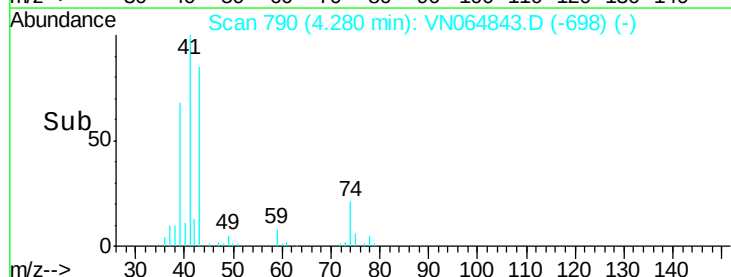
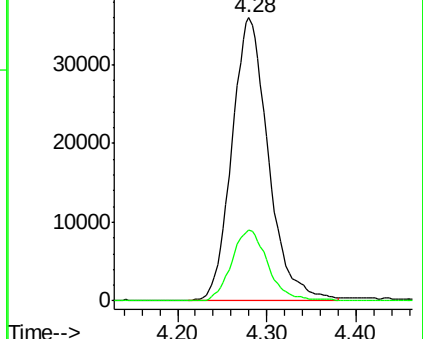
43 100

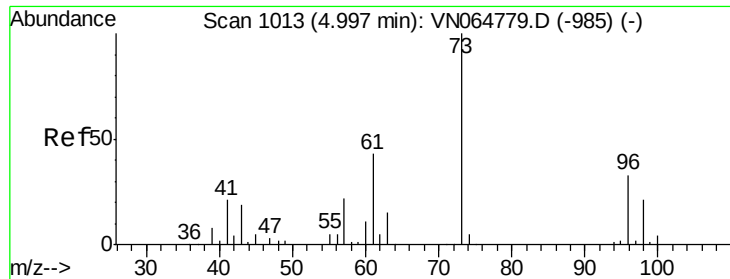
74 24.9 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN064843.D (-698) (-)

Ion 74.00 (73.70 to 74.70): VN064843.D (-698) (-)

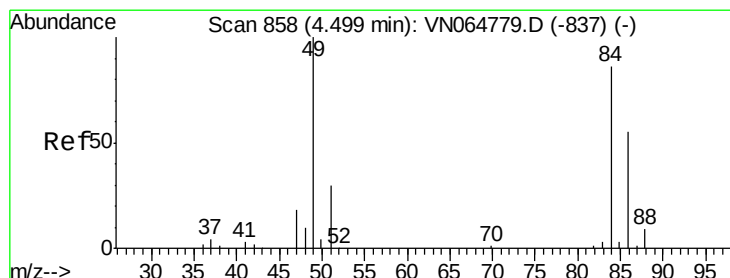
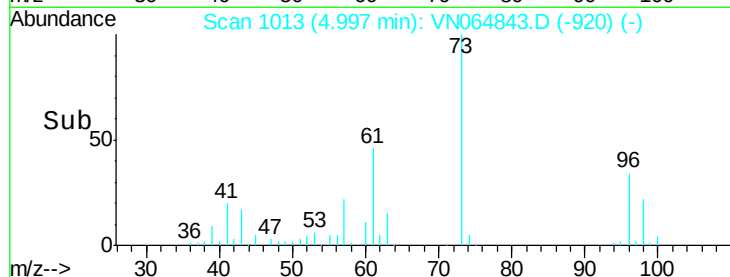
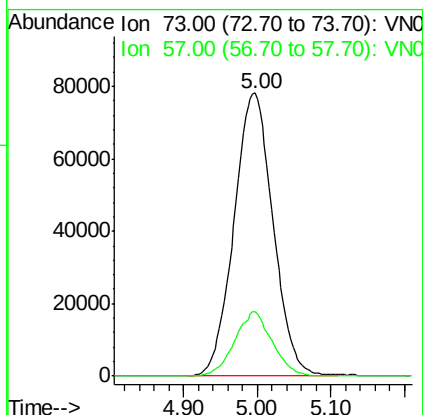
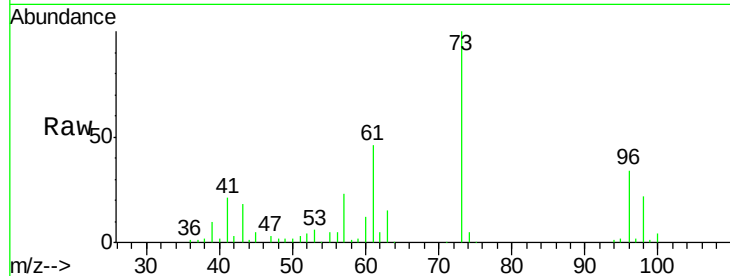




#19
Methyl tert-butyl Ether
Concen: 50.185 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

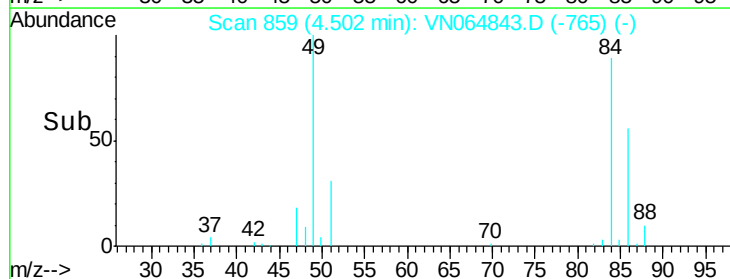
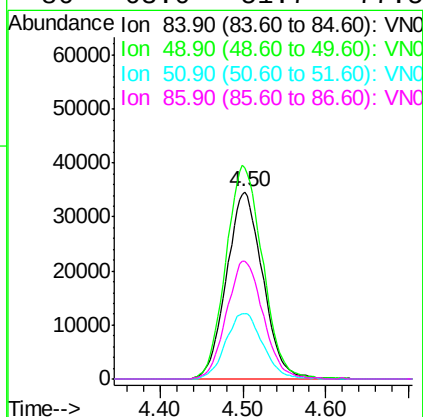
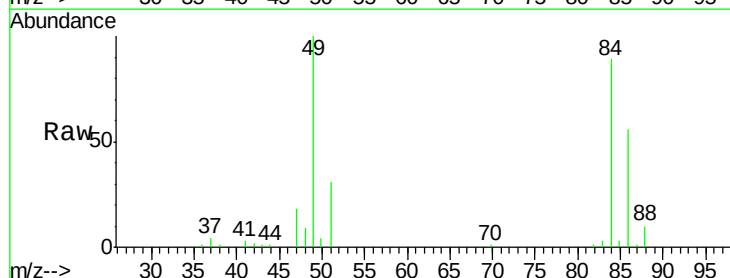
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

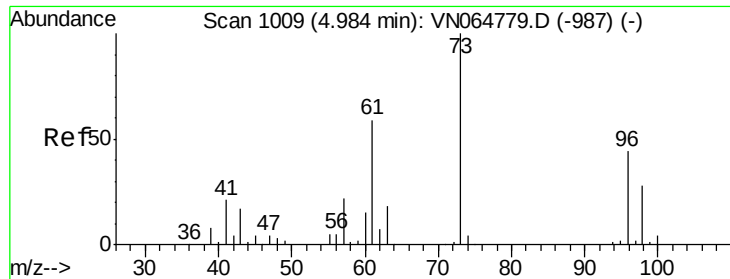
Tot Ion: 73 Resp: 288214
Ion Ratio Lower Upper
73 100
57 22.7 17.4 26.0



#20
Methylene Chloride
Concen: 47.533 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

Tgt Ion: 84 Resp: 105114
Ion Ratio Lower Upper
84 100
49 112.7 93.4 140.0
51 34.8 28.2 42.4
86 63.0 51.7 77.5

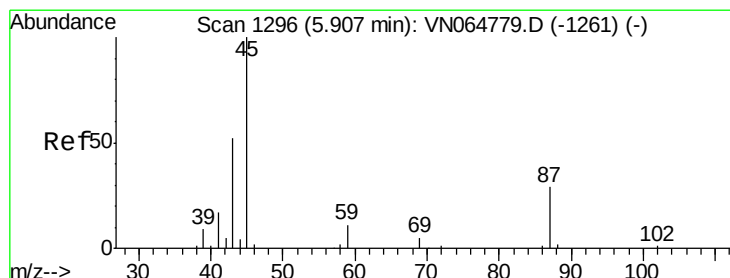
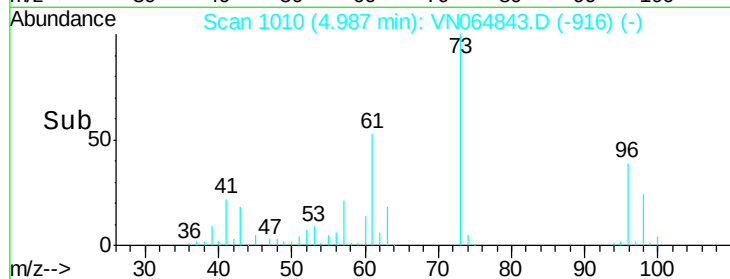
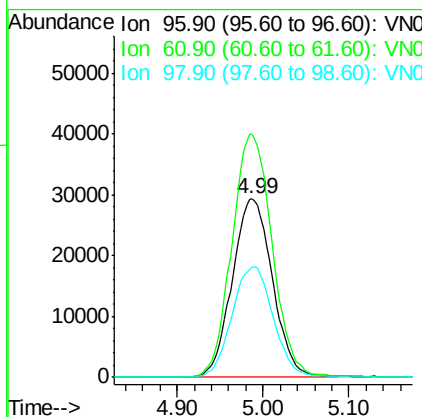
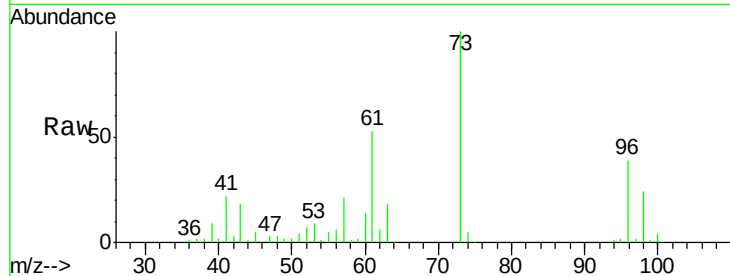




#21
trans-1,2-Dichloroethene
Concen: 47.977 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

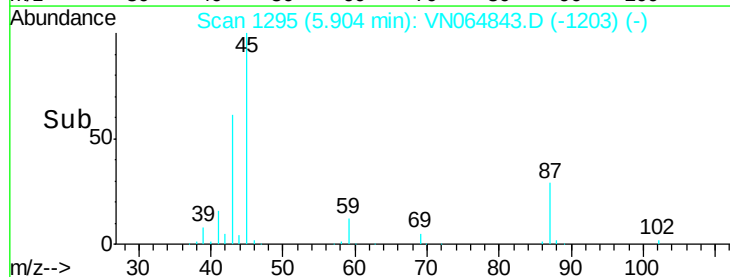
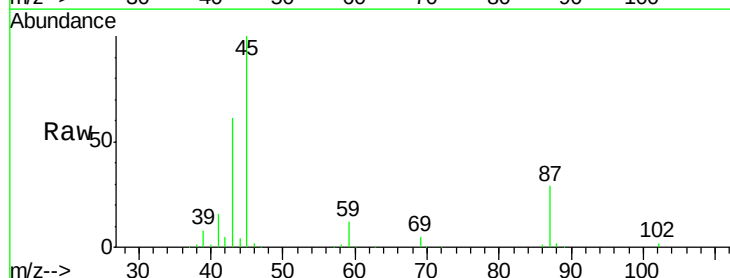
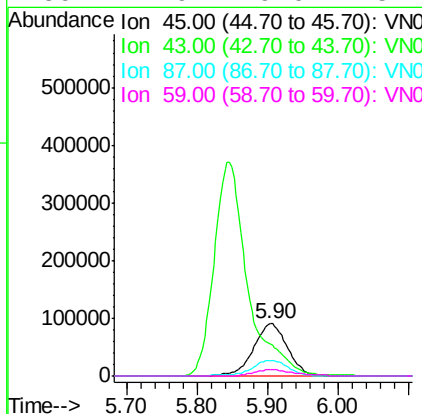
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

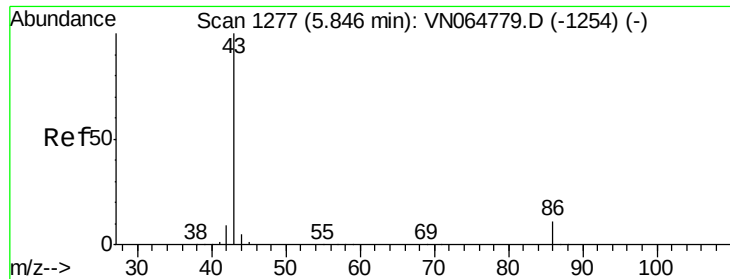
Tot Ion: 96 Resp: 95402
Ion Ratio Lower Upper
96 100
61 135.6 108.4 162.6
98 61.7 51.3 76.9



#22
Diisopropyl ether
Concen: 51.883 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

Tgt Ion: 45 Resp: 306702
Ion Ratio Lower Upper
45 100
43 59.4 46.2 69.2
87 29.0 24.1 36.1
59 11.9 9.0 13.4





#23

Vinyl Acetate

Concen: 260.754 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

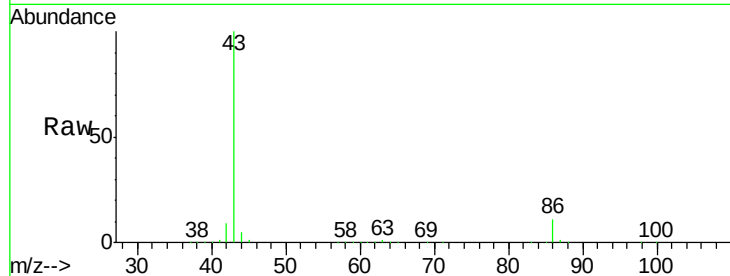
VSTDCCC050EC

Tot Ion: 43 Resp: 1232645

Ion Ratio Lower Upper

43 100

86 10.7 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.85

400000

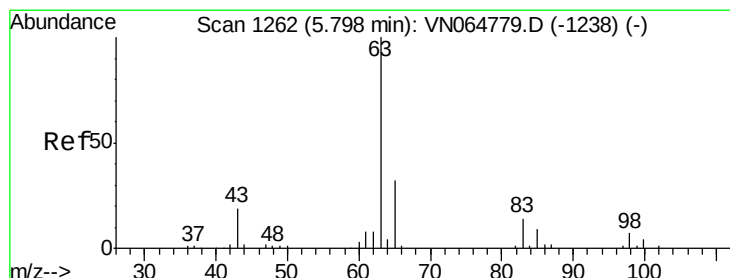
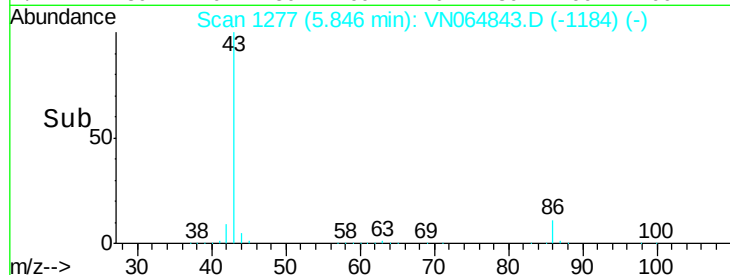
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.086 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

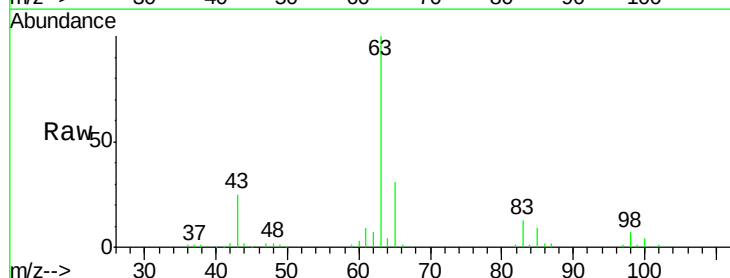
Tgt Ion: 63 Resp: 180481

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.0 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

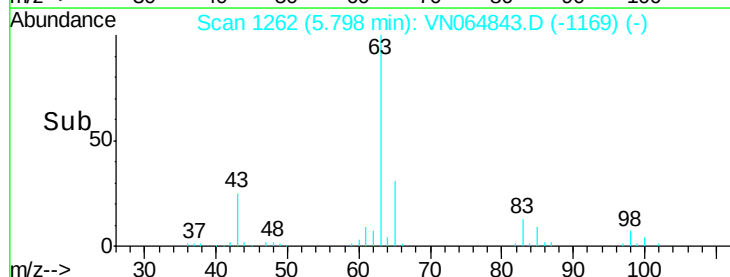
60000

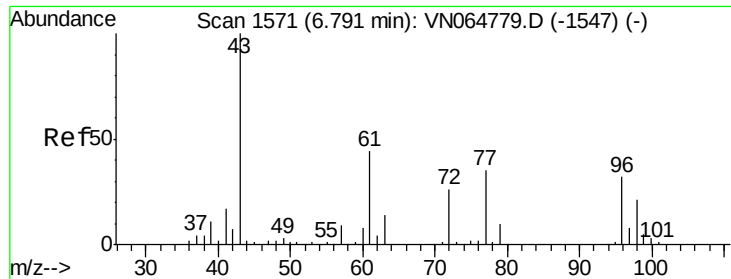
40000

20000

0

Time-->





#25

2-Butanone

Concen: 250.858 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

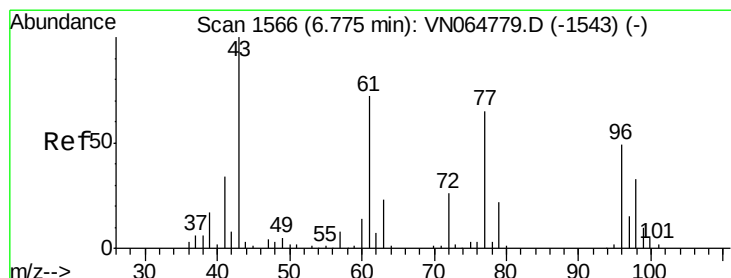
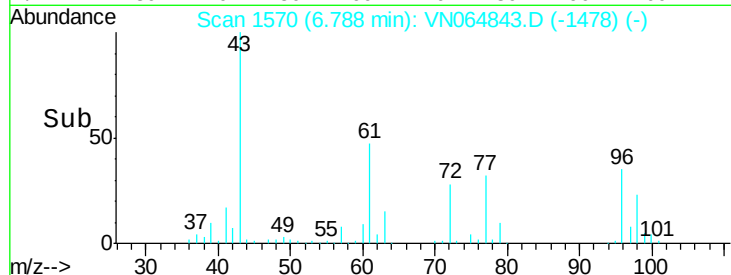
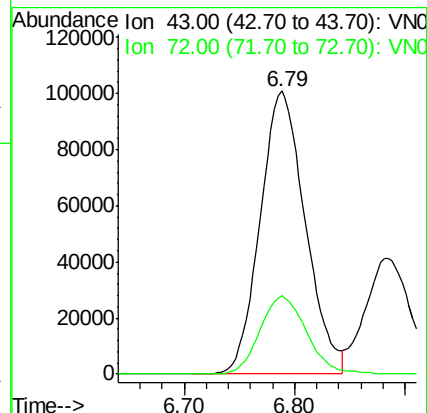
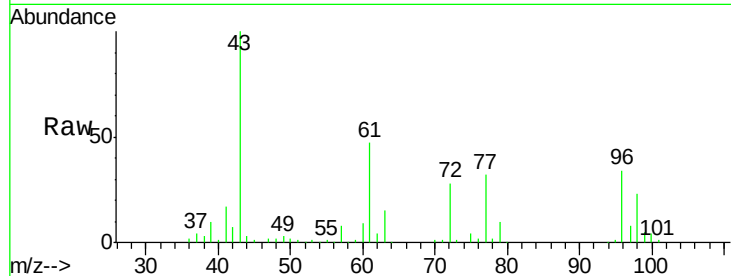
VSTDCCC050EC

Tot Ion: 43 Resp: 286980

Ion Ratio Lower Upper

43 100

72 27.6 21.0 31.6



#26

2,2-Dichloropropane

Concen: 40.073 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064843.D

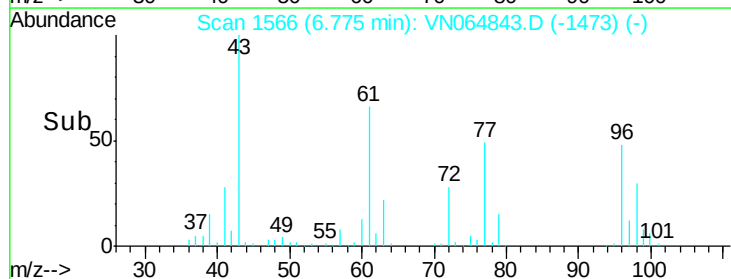
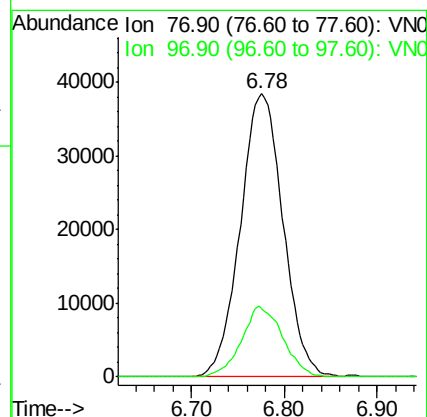
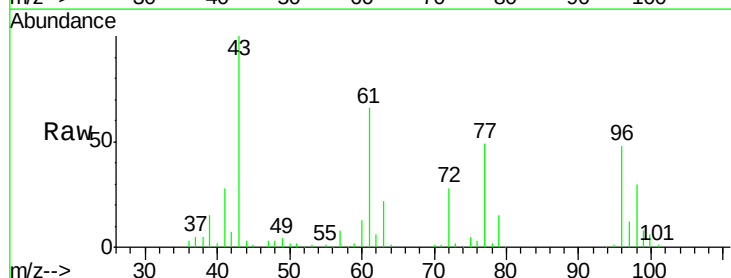
Acq: 25 Nov 2020 5:07

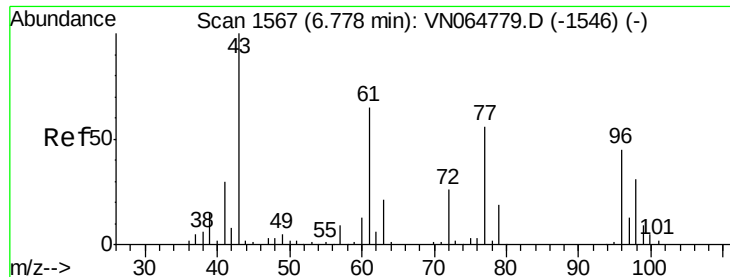
Tgt Ion: 77 Resp: 122787

Ion Ratio Lower Upper

77 100

97 24.1 11.7 35.0

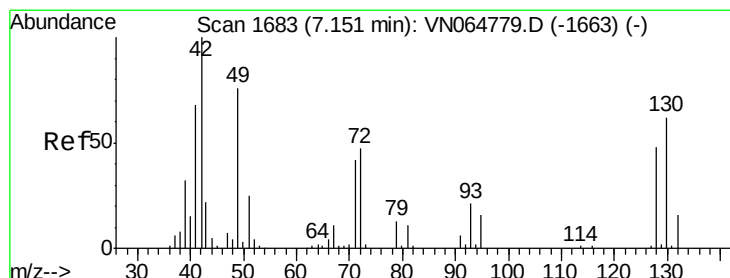
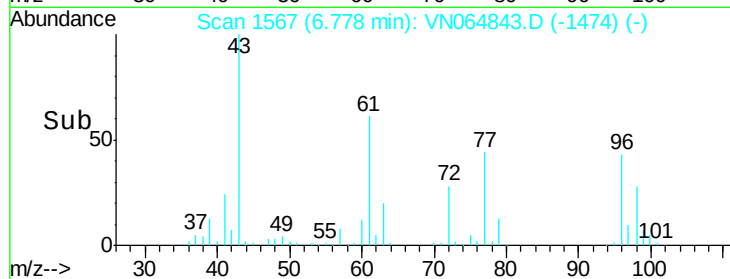
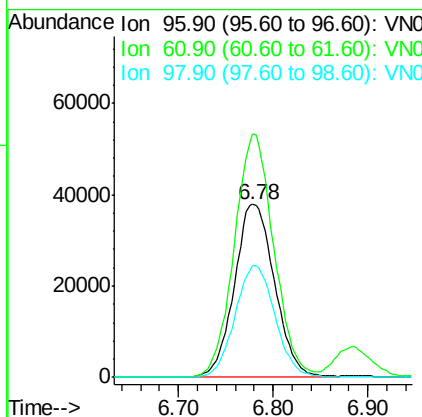
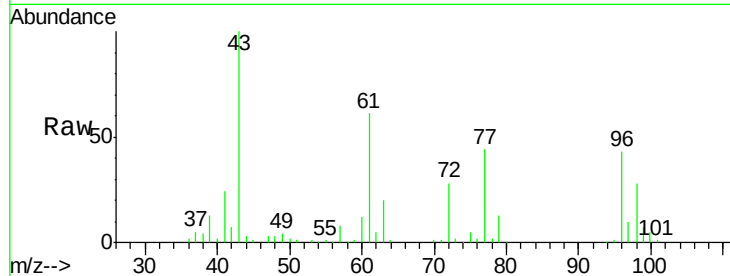




#27
 cis-1,2-Dichloroethene
 Concen: 50.049 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

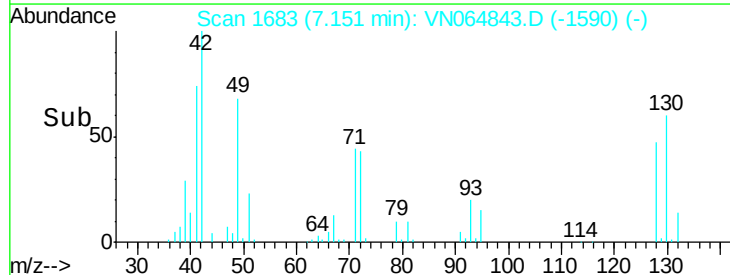
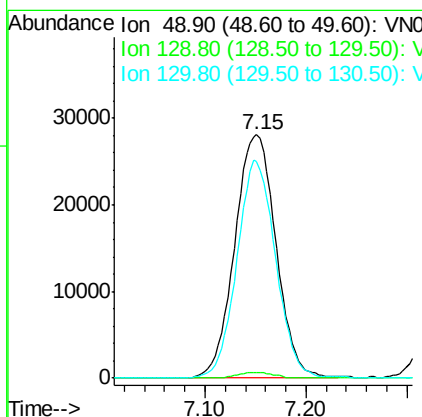
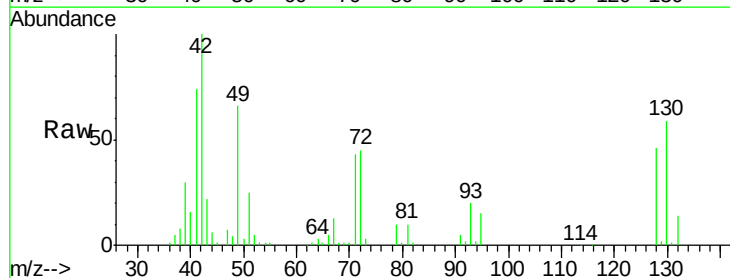
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

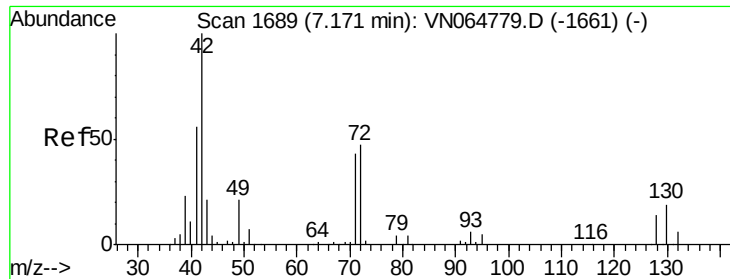
Tot Ion: 96 Resp: 111990
 Ion Ratio Lower Upper
 96 100
 61 137.7 0.0 285.8
 98 64.1 0.0 130.6



#28
 Bromochloromethane
 Concen: 49.297 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

Tgt Ion: 49 Resp: 79674
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 3.8
 130 84.1 66.2 99.2





#29

Tetrahydrofuran

Concen: 241.198 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

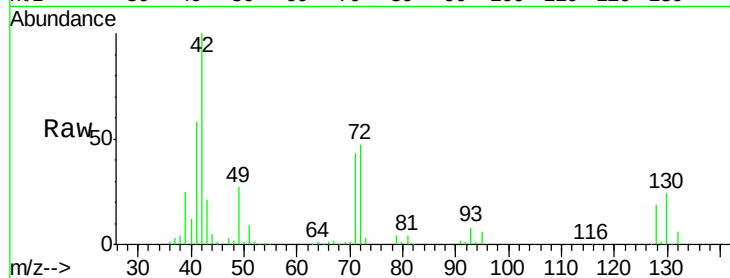
Tot Ion: 42 Resp: 190472

Ion Ratio Lower Upper

42 100

72 46.4 36.6 54.8

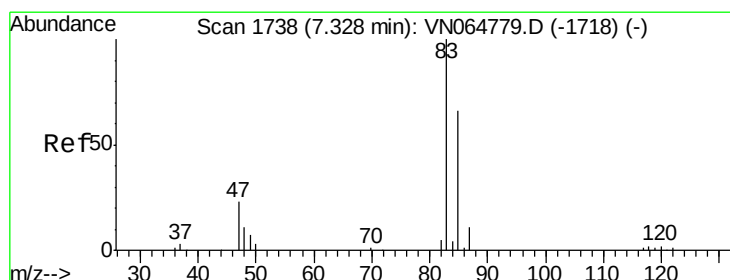
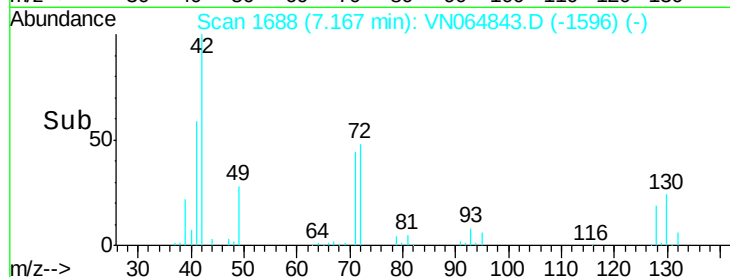
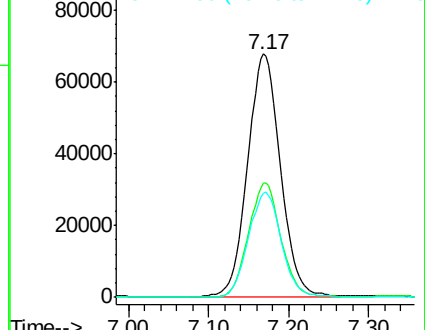
71 43.2 33.6 50.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 50.320 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN064843.D

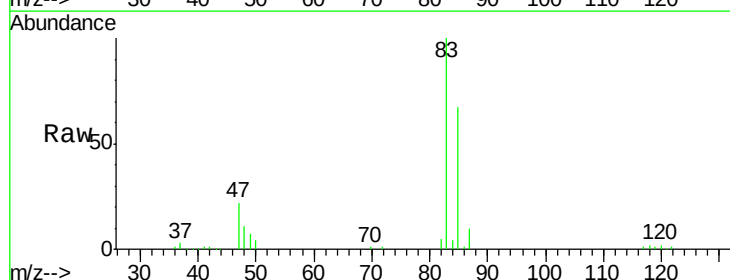
Acq: 25 Nov 2020 5:07

Tgt Ion: 83 Resp: 183327

Ion Ratio Lower Upper

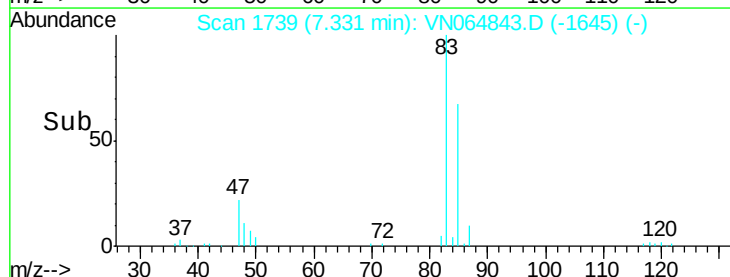
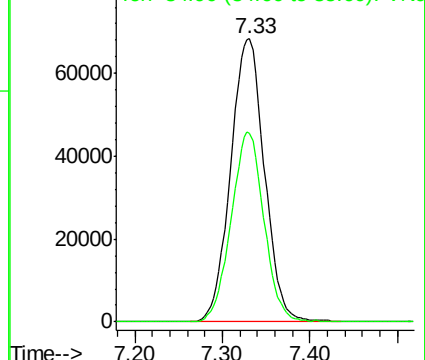
83 100

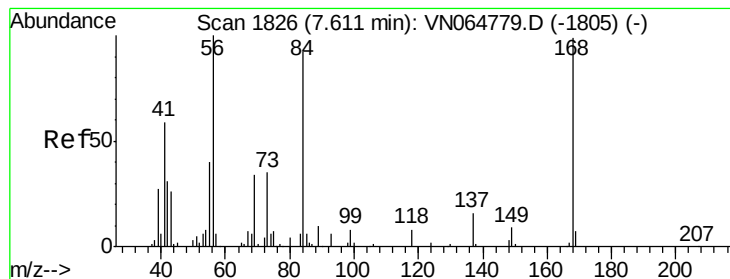
85 66.8 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.129 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

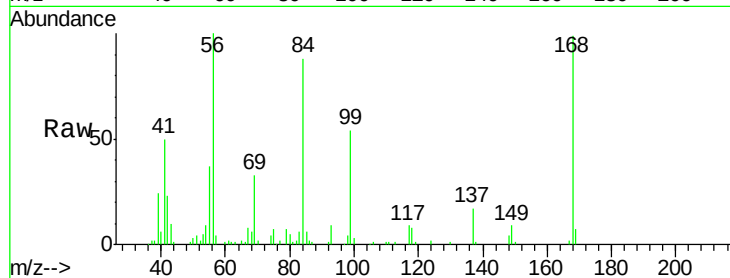
Tot Ion: 56 Resp: 144006

Ion Ratio Lower Upper

56 100

69 32.9 27.5 41.3

84 86.8 73.9 110.9

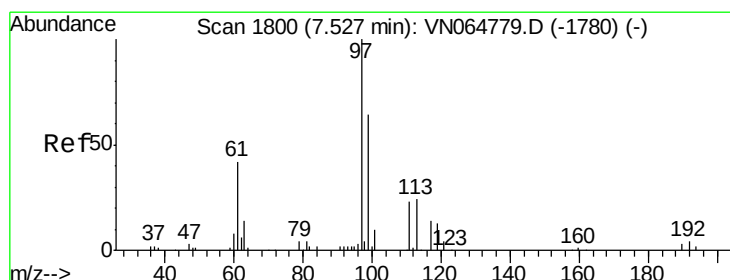
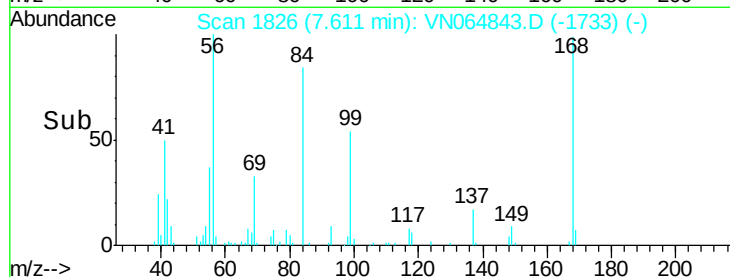
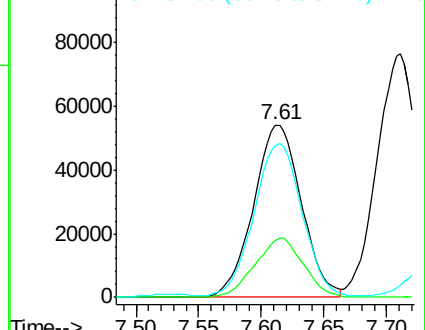


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.890 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

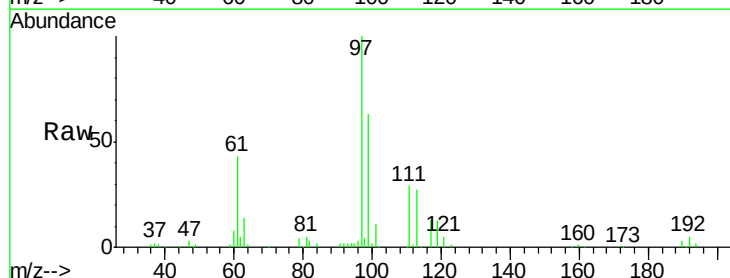
Tgt Ion: 97 Resp: 156110

Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

61 42.2 33.9 50.9

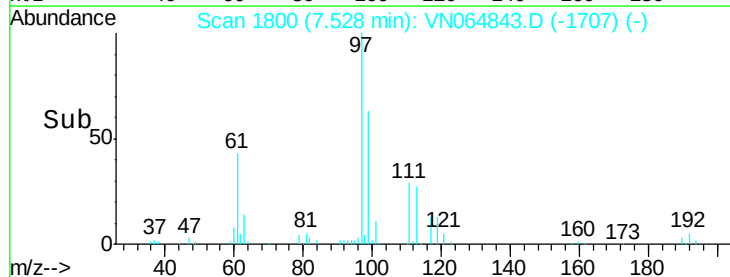
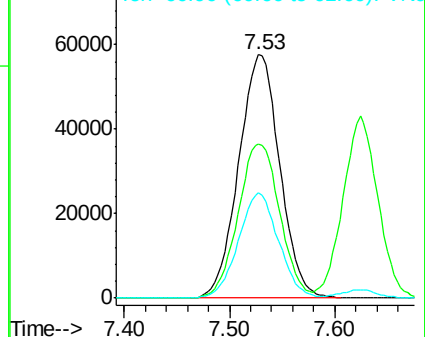


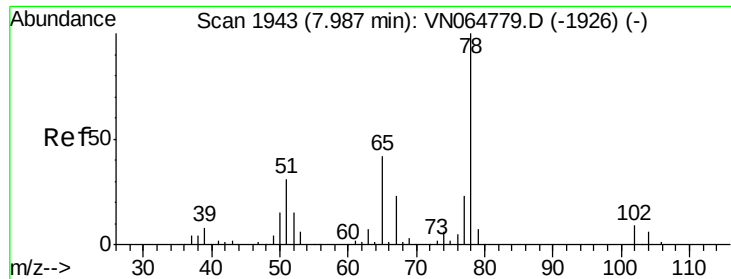
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

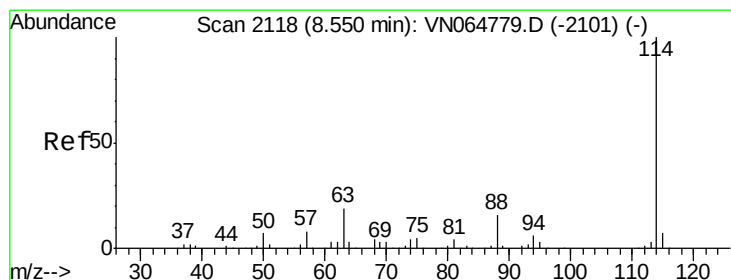
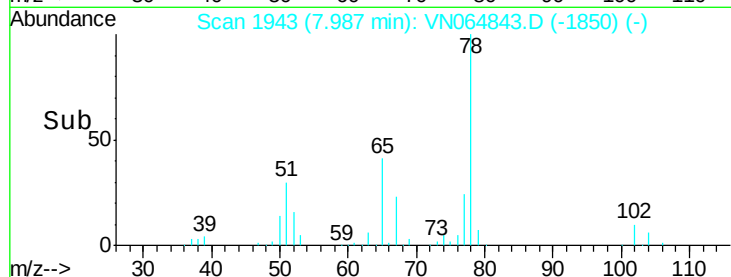
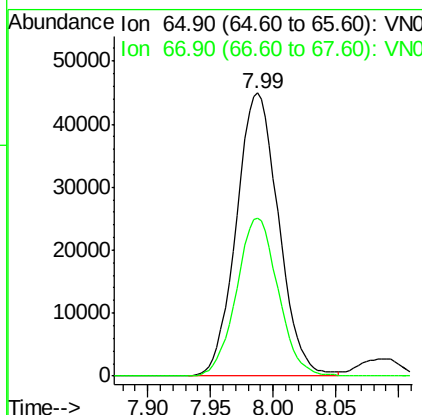
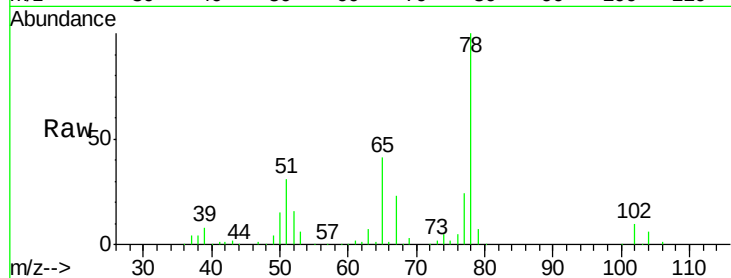




#33
 1,2-Dichloroethane-d4
 Concen: 49.073 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

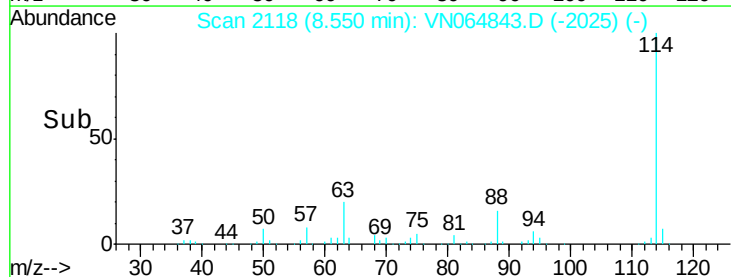
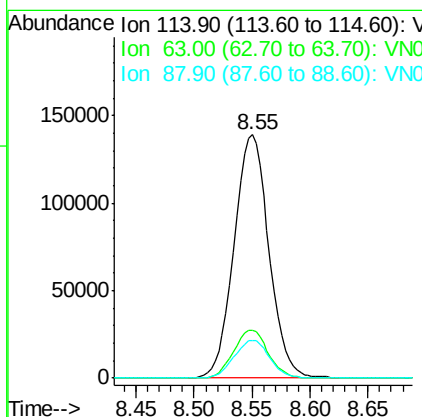
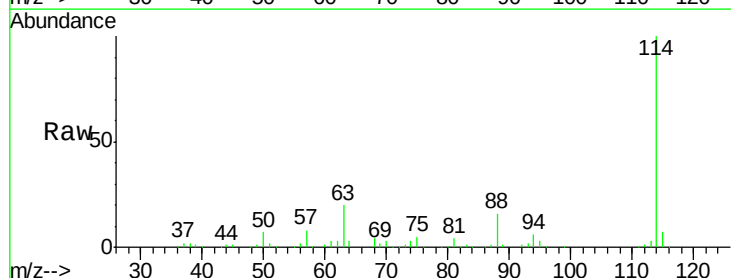
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

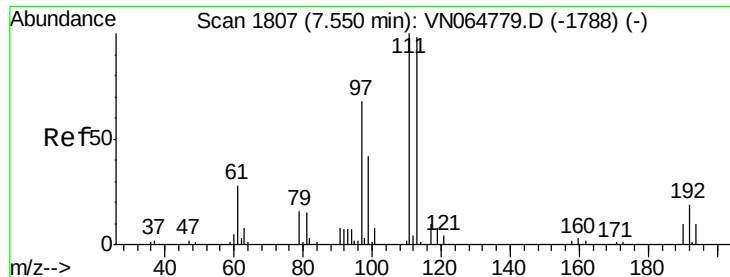
Tot Ion: 65 Resp: 105349
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

Tgt Ion: 114 Resp: 290118
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.6 0.0 32.6

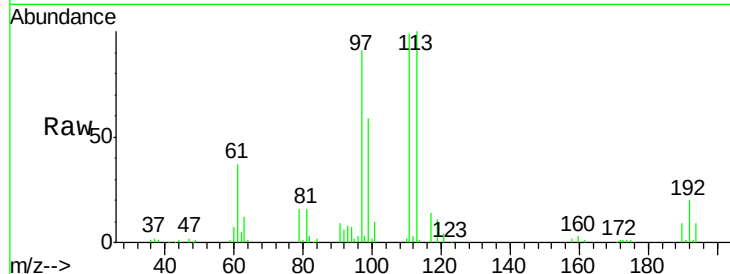




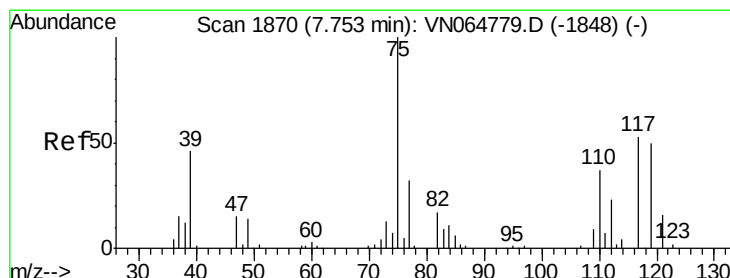
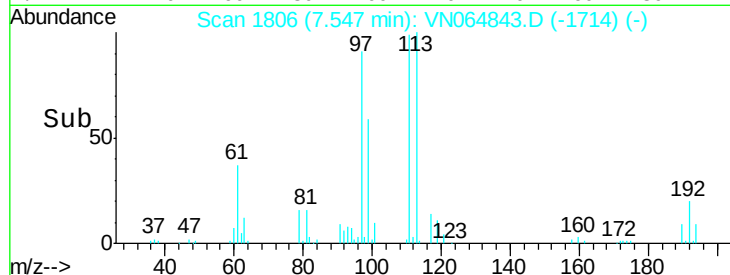
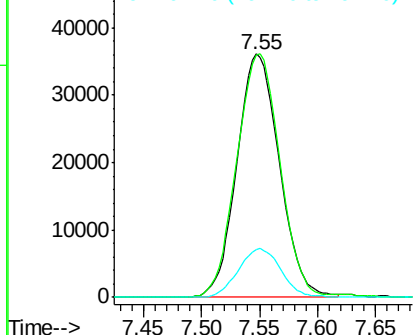
#35
 Dibromofluoromethane
 Concen: 53.114 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 92205
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.6 122.4
 192 20.0 16.2 24.2

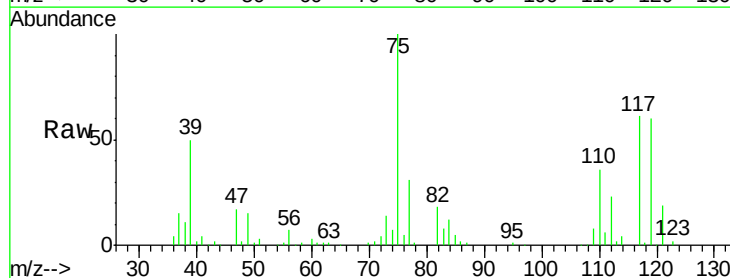


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

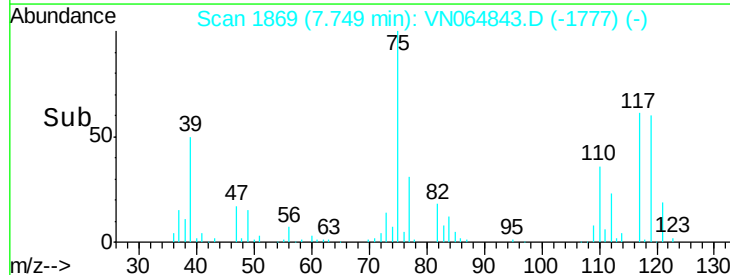
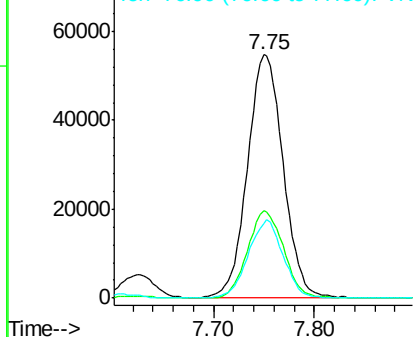


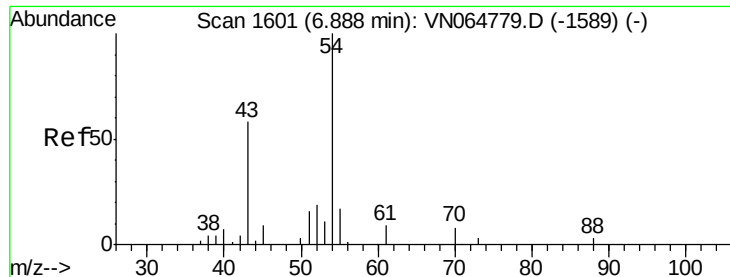
#36
 1,1-Dichloropropene
 Concen: 49.972 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

Tgt Ion: 75 Resp: 134380
 Ion Ratio Lower Upper
 75 100
 110 35.9 17.8 53.3
 77 31.2 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

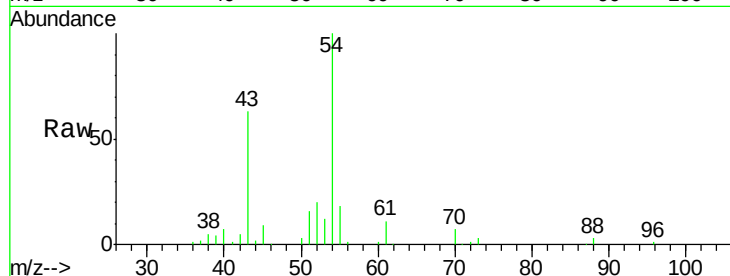




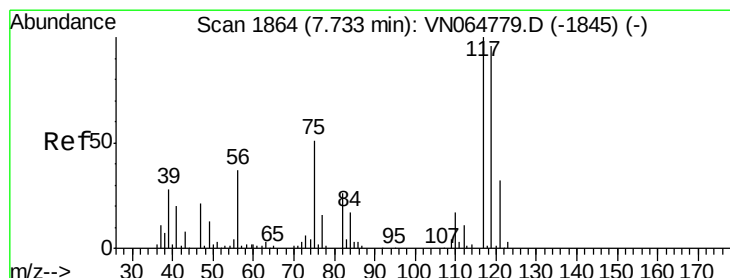
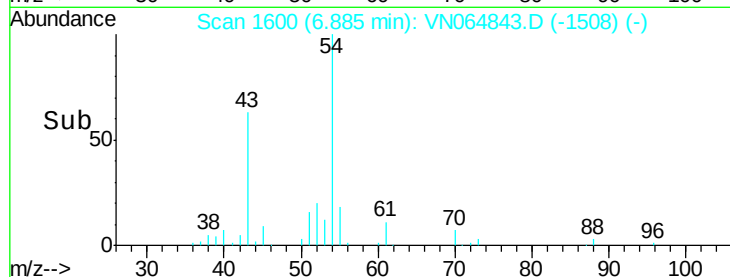
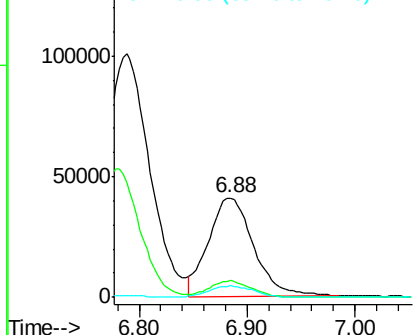
#37
Ethyl Acetate
Concen: 46.007 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 119174
Ion Ratio Lower Upper
43 100
61 15.8 12.8 19.2
70 11.6 8.8 13.2

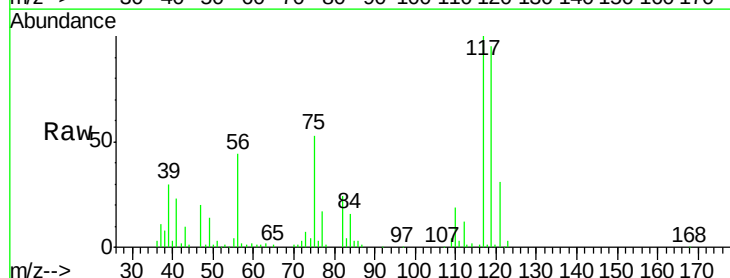


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

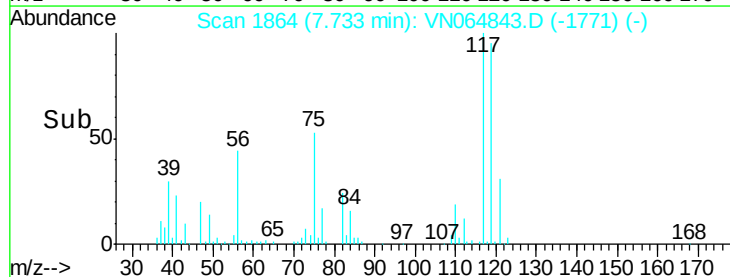
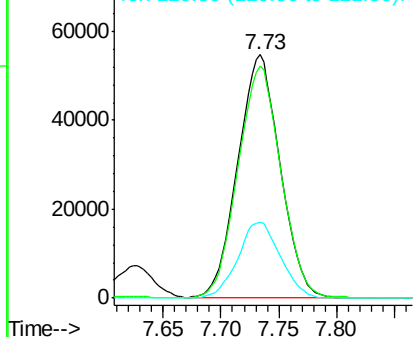


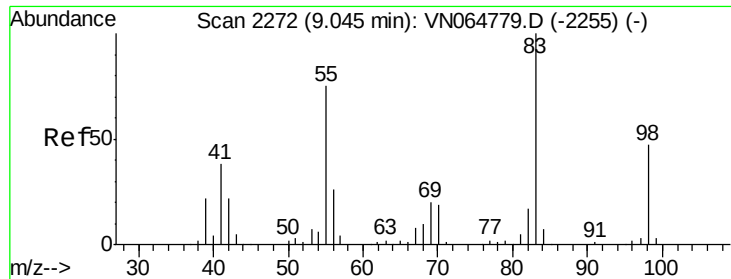
#38
Carbon Tetrachloride
Concen: 49.657 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

Tgt Ion: 117 Resp: 138940
Ion Ratio Lower Upper
117 100
119 95.3 76.7 115.1
121 31.0 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

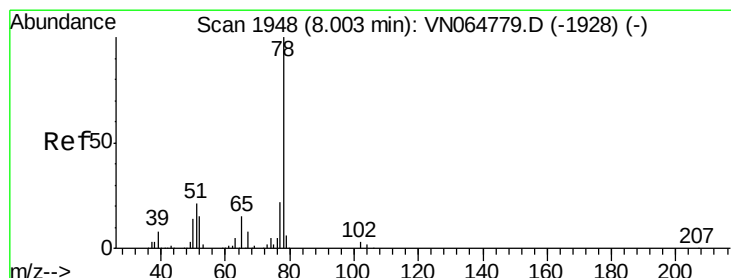
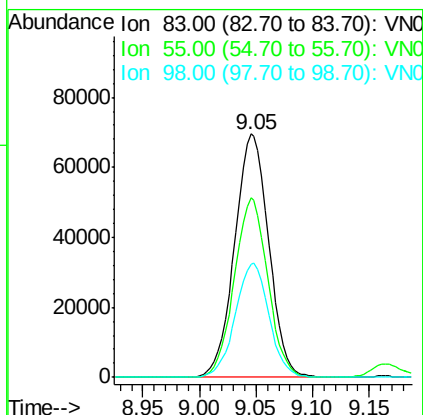
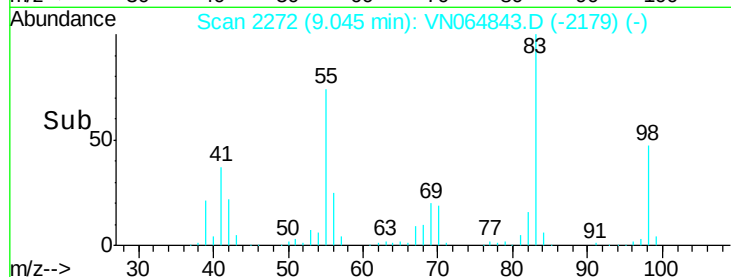
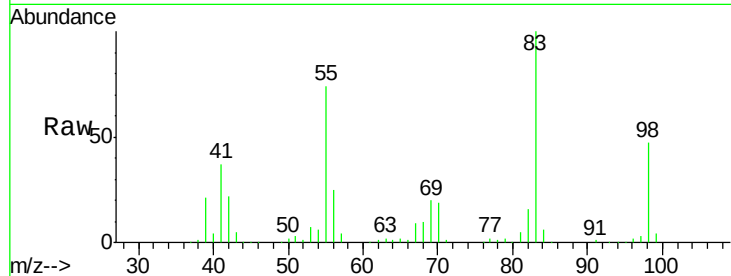




#39
Methylvlcyclohexane
Concen: 50.439 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

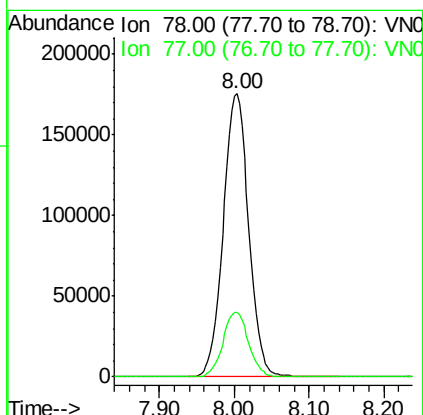
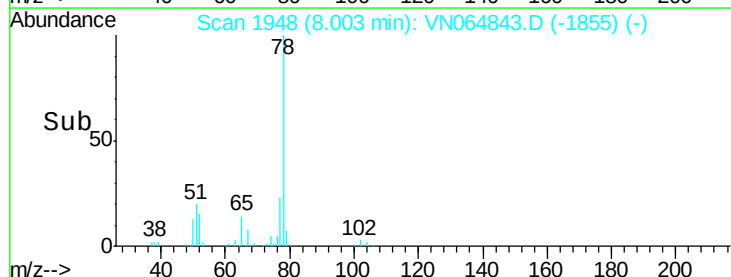
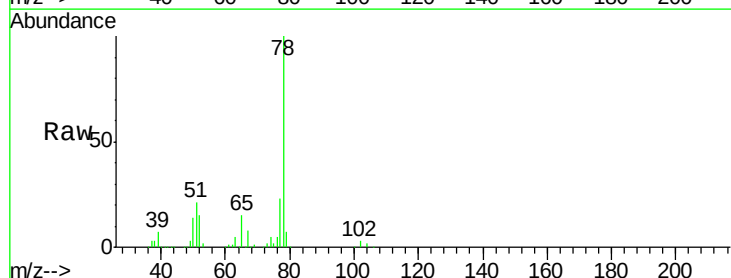
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

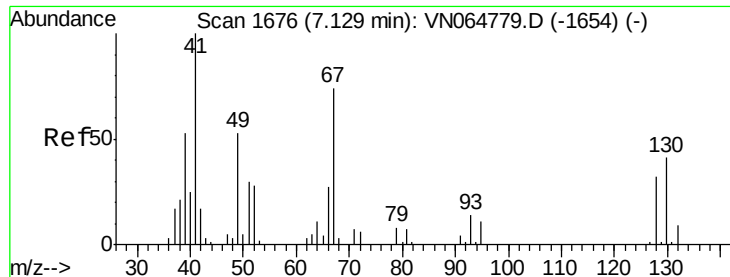
Tot Ion: 83 Resp: 146012
Ion Ratio Lower Upper
83 100
55 73.8 60.2 90.2
98 46.6 37.4 56.2



#40
Benzene
Concen: 49.996 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

Tgt Ion: 78 Resp: 411988
Ion Ratio Lower Upper
78 100
77 22.9 17.9 26.9

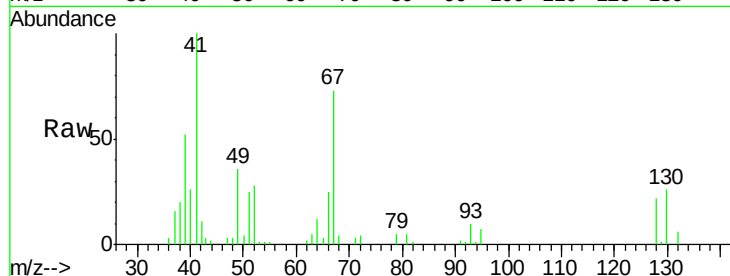




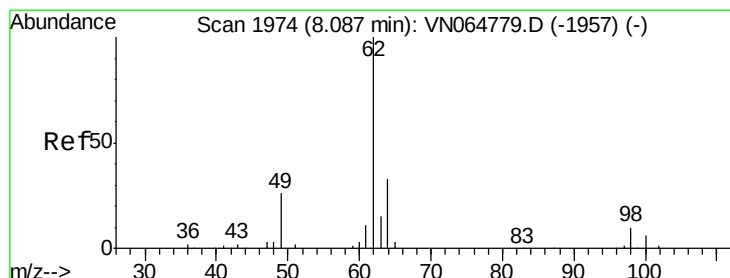
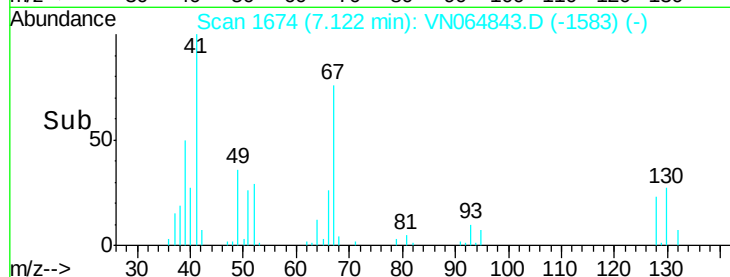
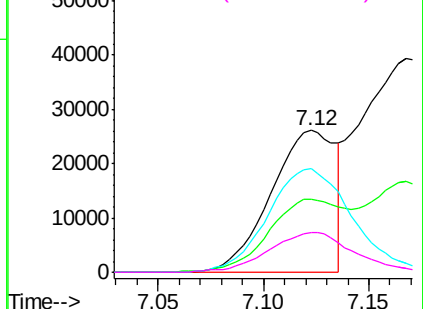
#41
Methacrylonitrile
Concen: 46.391 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 55448
Ion Ratio Lower Upper
41 100
39 61.4 51.0 76.6
67 95.6 79.8 119.8
52 37.8 31.5 47.3

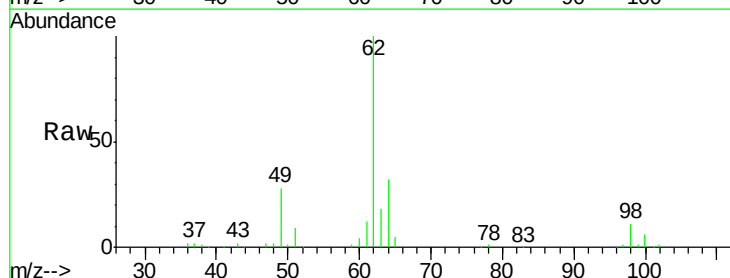


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

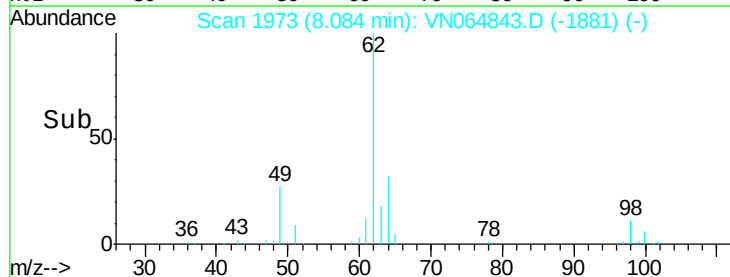
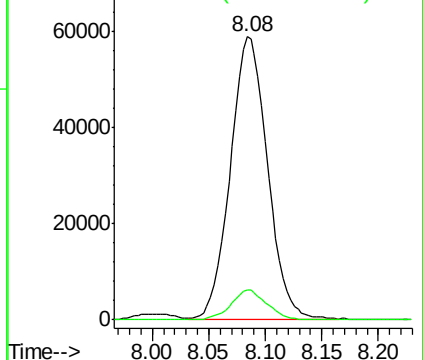


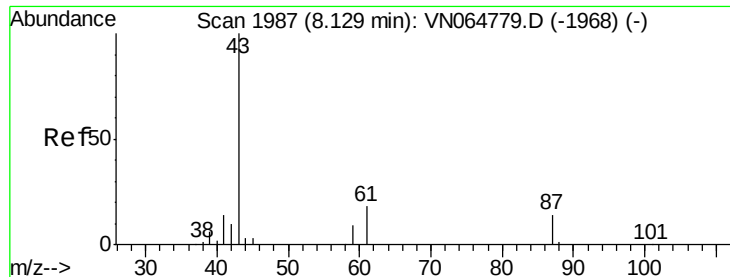
#42
1,2-Dichloroethane
Concen: 48.241 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

Tgt Ion: 62 Resp: 134102
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 47.362 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

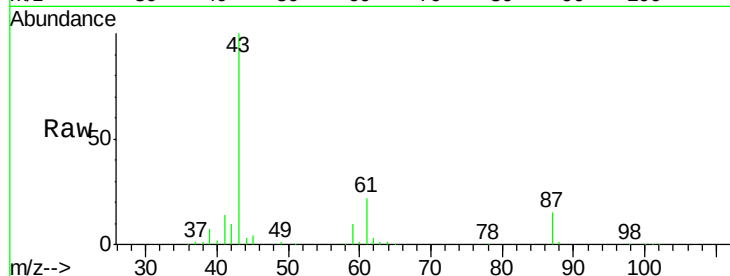
Tot Ion: 43 Resp: 197414

Ion Ratio Lower Upper

43 100

61 21.9 17.2 25.8

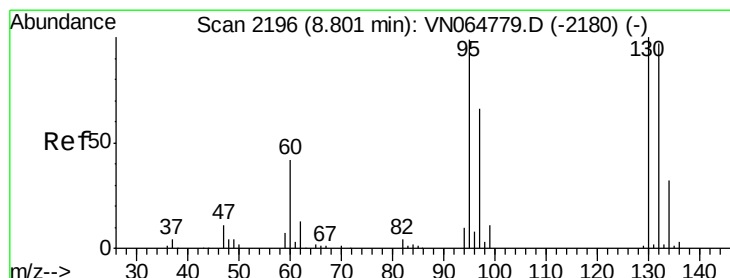
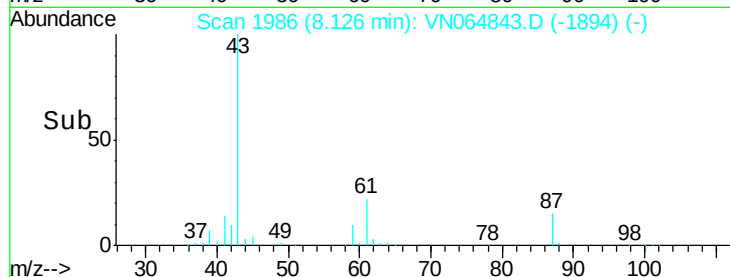
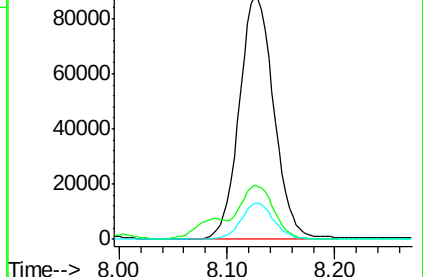
87 14.1 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VN064843.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN064843.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN064843.D (-1894) (-)



#44

Trichloroethene

Concen: 47.483 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064843.D

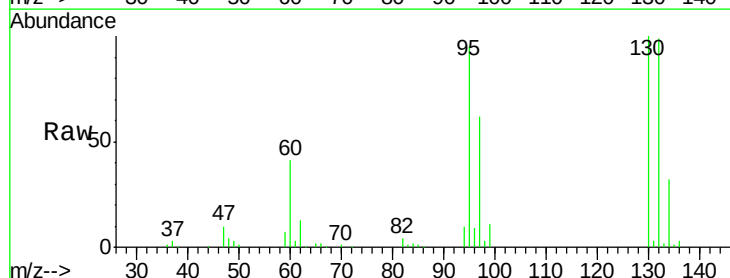
Acq: 25 Nov 2020 5:07

Tgt Ion:130 Resp: 115448

Ion Ratio Lower Upper

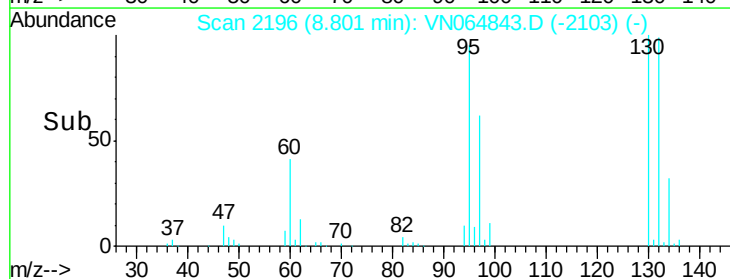
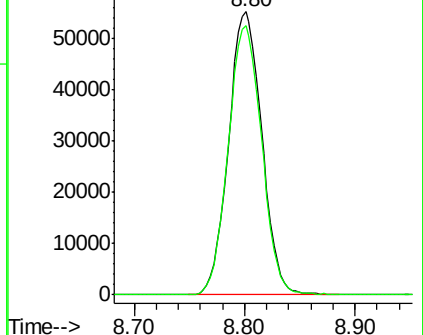
130 100

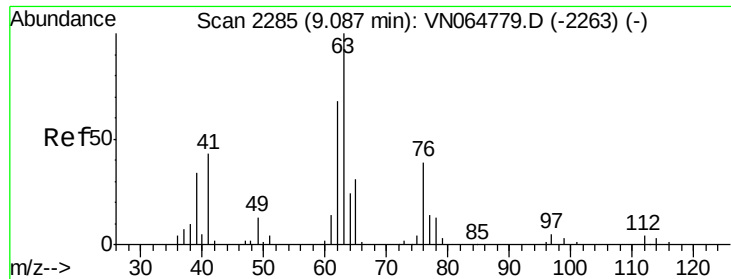
95 95.3 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN064843.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN064843.D (-2103) (-)

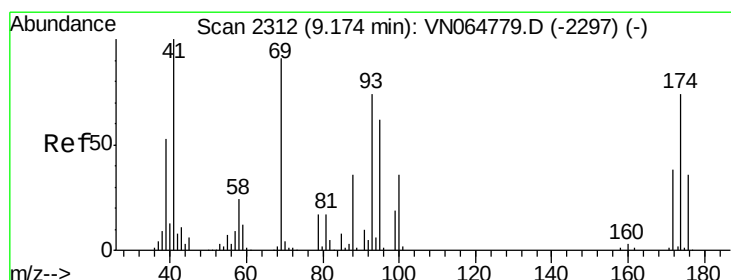
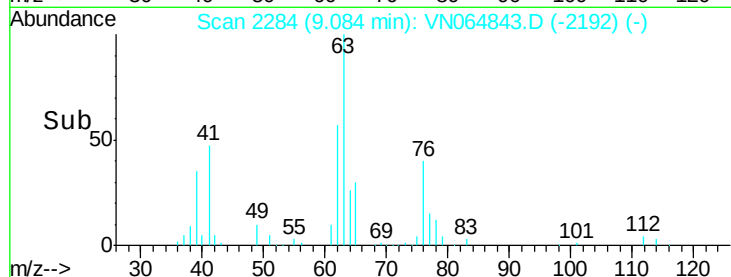
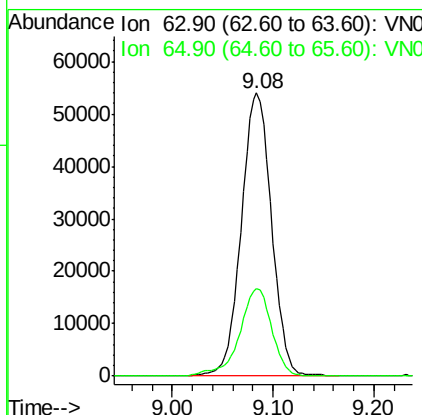
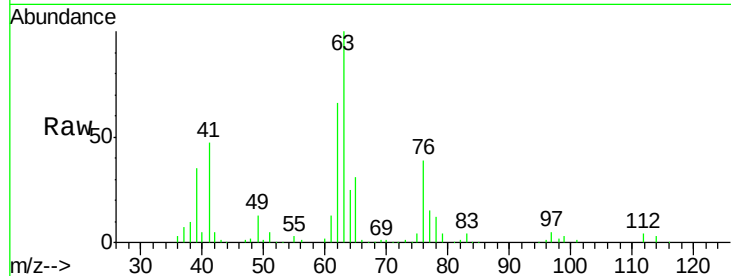




#45
 1,2-Dichloropropane
 Concen: 52.314 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

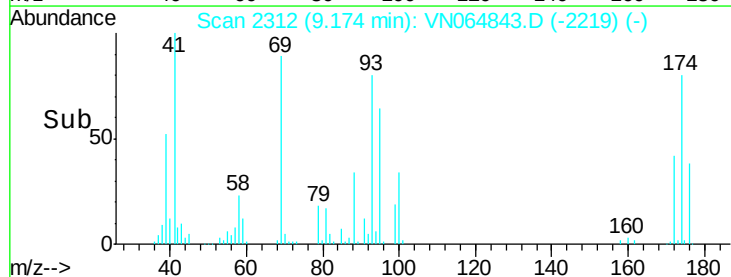
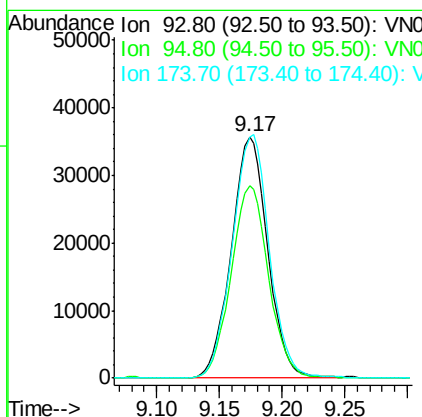
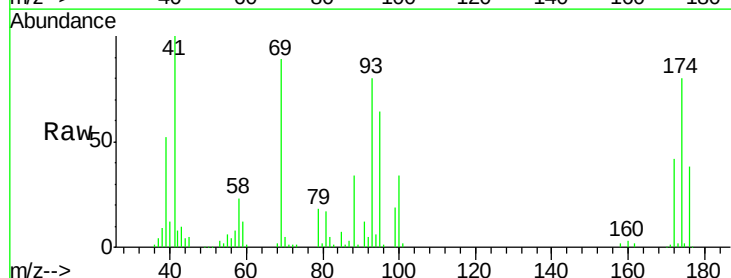
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

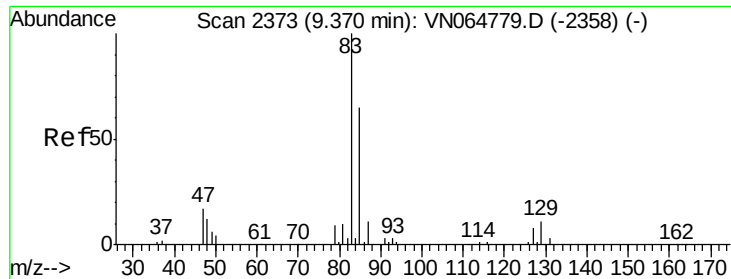
Tot Ion: 63 Resp: 111637
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.4



#46
 Dibromomethane
 Concen: 50.609 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

Tgt Ion: 93 Resp: 72151
 Ion Ratio Lower Upper
 93 100
 95 81.9 68.8 103.2
 174 102.8 83.1 124.7





#47

Bromodichloromethane

Concen: 50.522 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

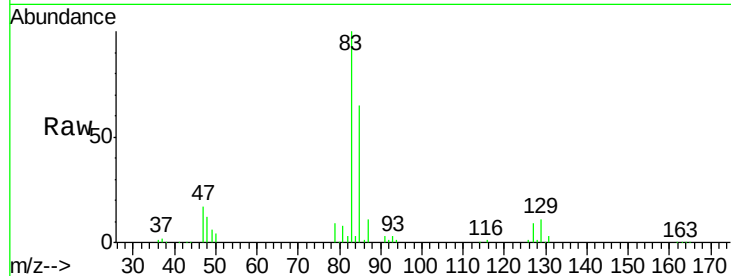
Tot Ion: 83 Resp: 144925

Ion Ratio Lower Upper

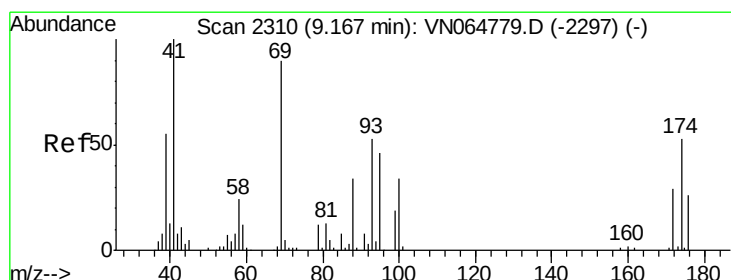
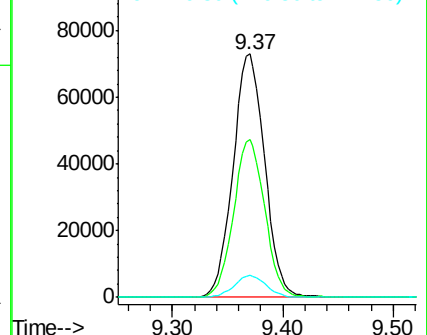
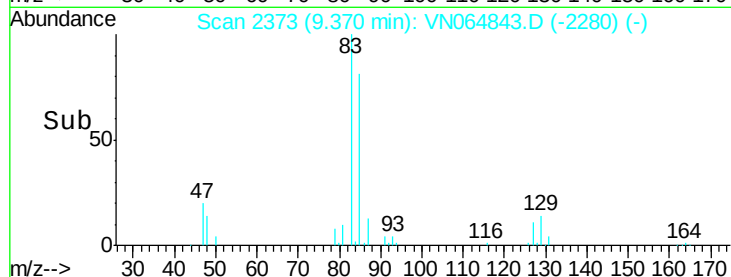
83 100

85 65.0 51.8 77.8

127 9.0 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN064843.D (-2280) (-)



#48

Methyl methacrylate

Concen: 49.126 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

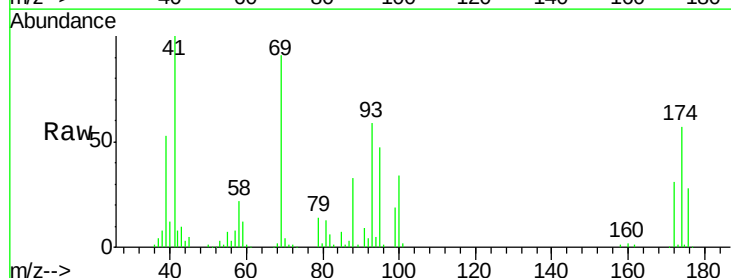
Tgt Ion: 41 Resp: 97844

Ion Ratio Lower Upper

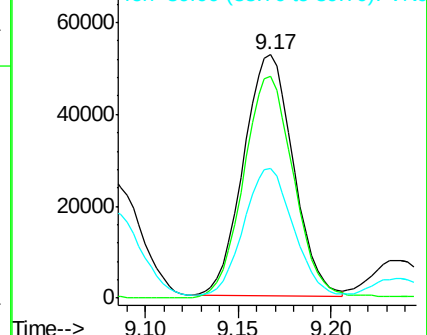
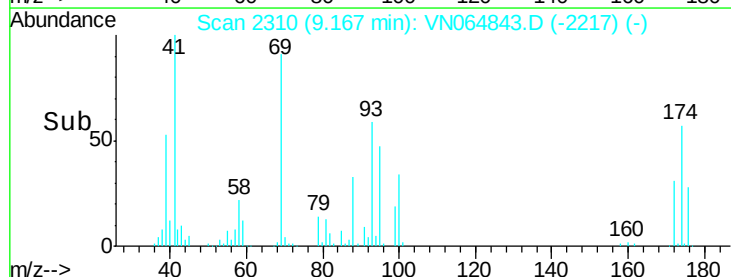
41 100

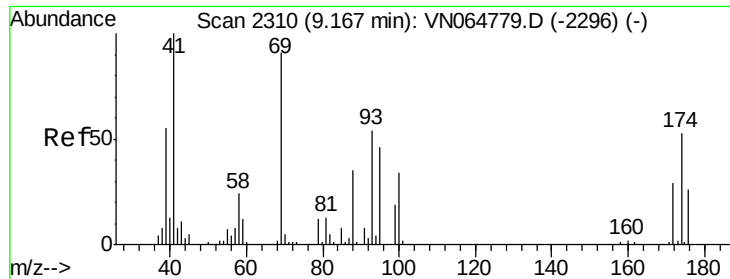
69 93.4 71.8 107.8

39 54.8 44.1 66.1



Abundance Ion 41.00 (40.70 to 41.70): VN064843.D (-2217) (-)

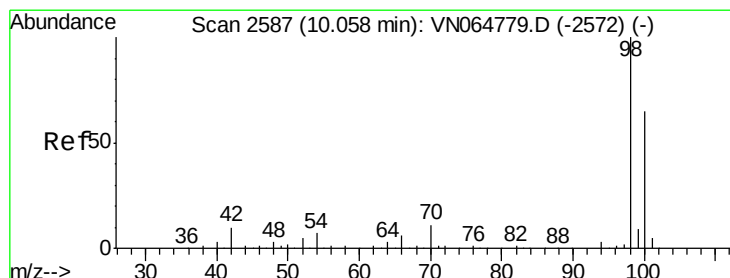
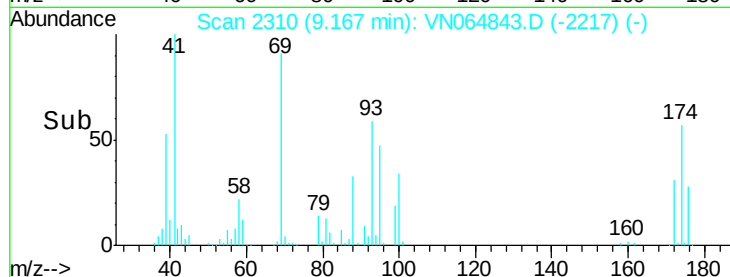
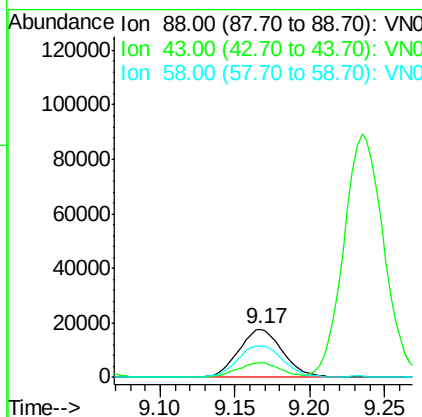
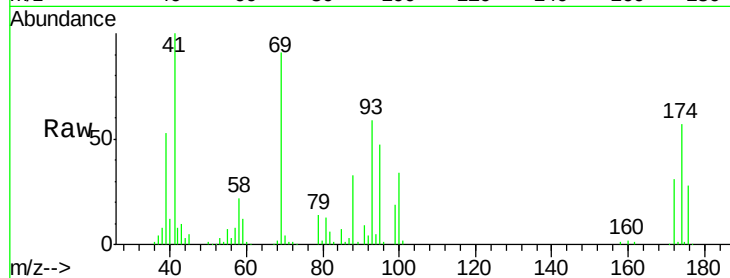




#49
 1,4-Dioxane
 Concen: 958.653 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

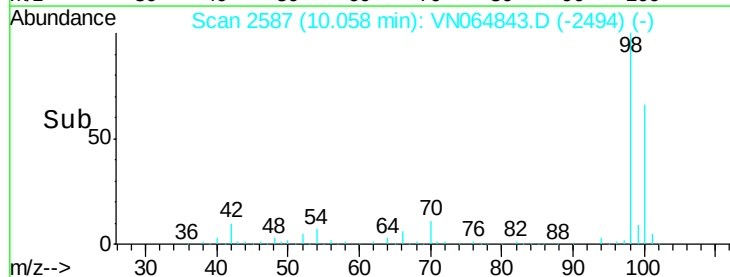
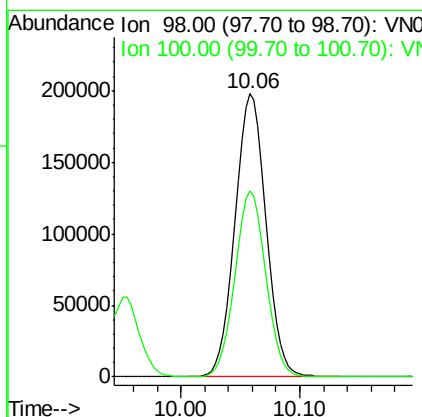
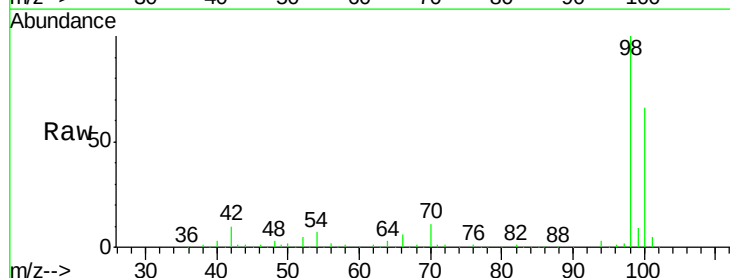
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

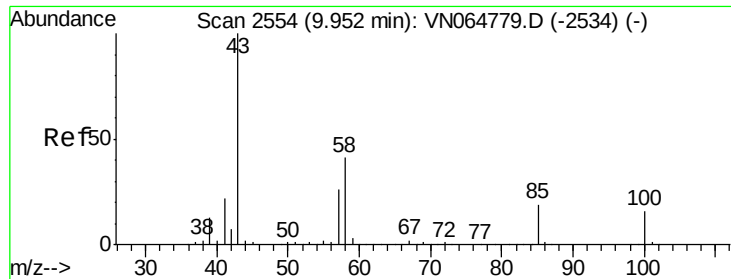
Tot Ion: 88 Resp: 36087
 Ion Ratio Lower Upper
 88 100
 43 30.5 24.2 36.4
 58 67.8 52.5 78.7



#50
 Toluene-d8
 Concen: 50.415 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

Tgt Ion: 98 Resp: 357595
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 248.328 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

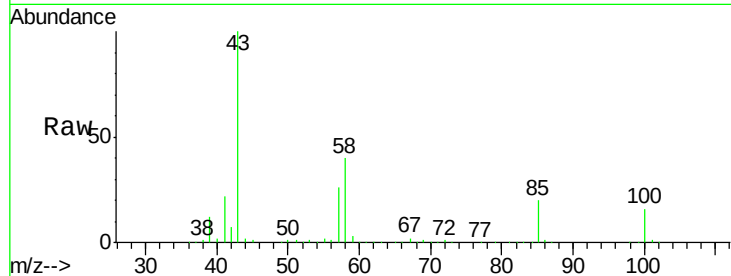
VSTDCCC050EC

Tot Ion: 43 Resp: 621400

Ion Ratio Lower Upper

43 100

58 40.4 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

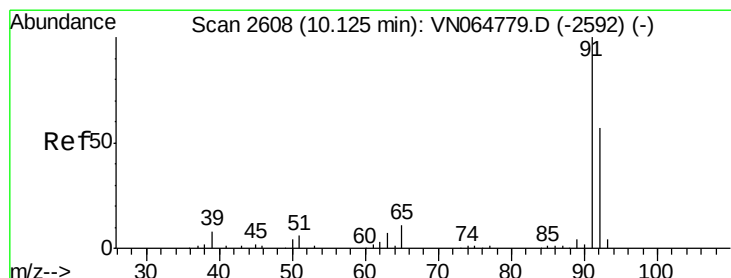
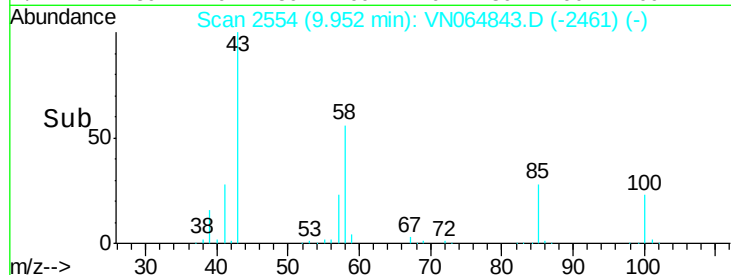
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.278 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064843.D

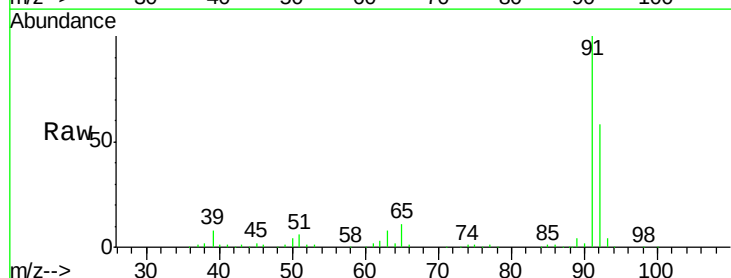
Acq: 25 Nov 2020 5:07

Tgt Ion: 92 Resp: 260222

Ion Ratio Lower Upper

92 100

91 173.4 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.12

250000

200000

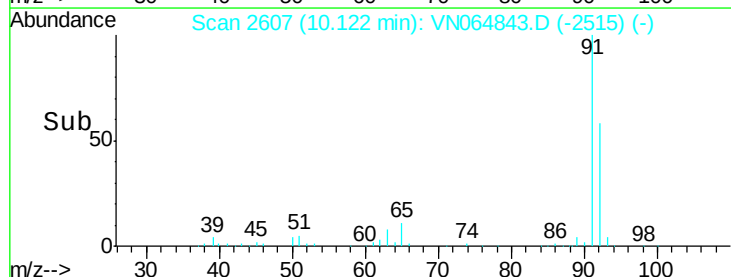
150000

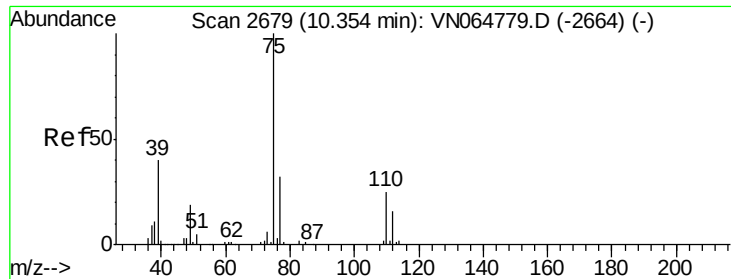
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.771 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

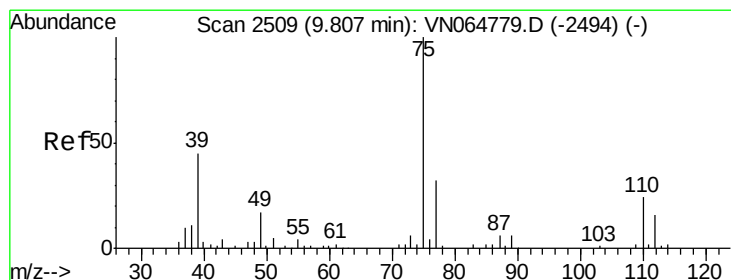
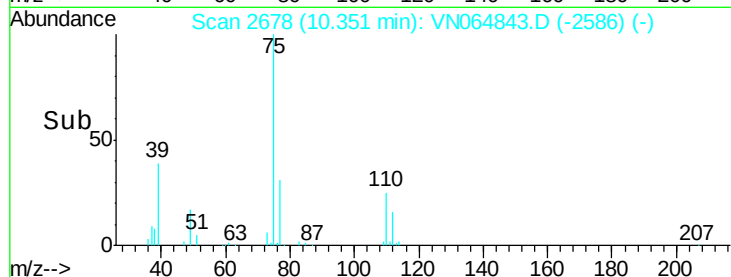
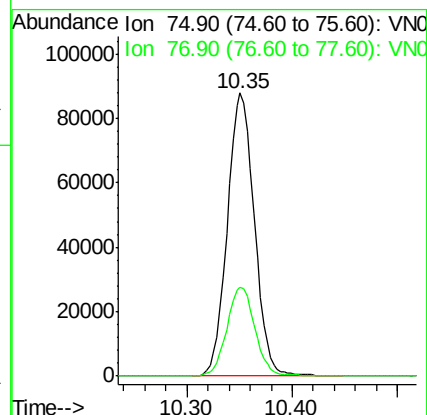
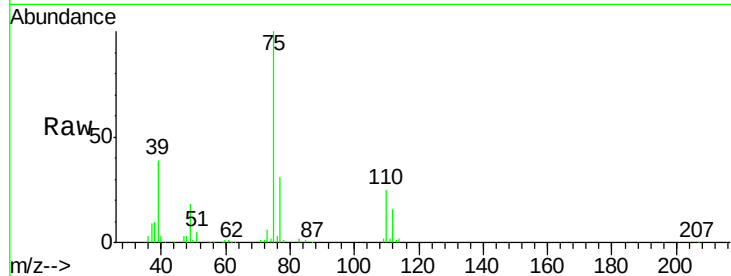
VSTDCCC050EC

Tot Ion: 75 Resp: 155823

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 49.345 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

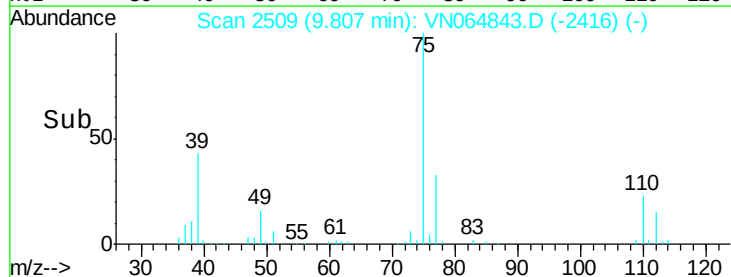
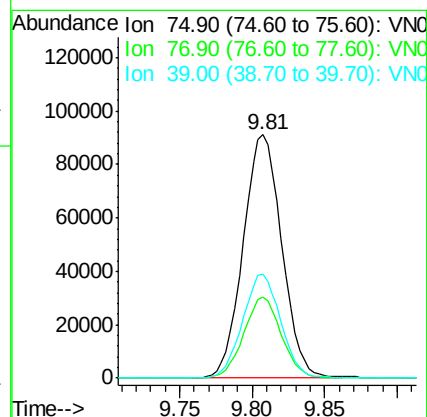
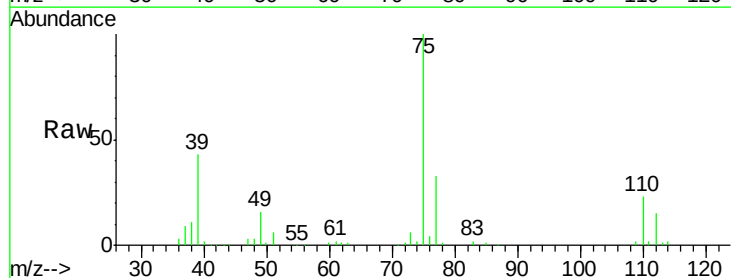
Tgt Ion: 75 Resp: 168989

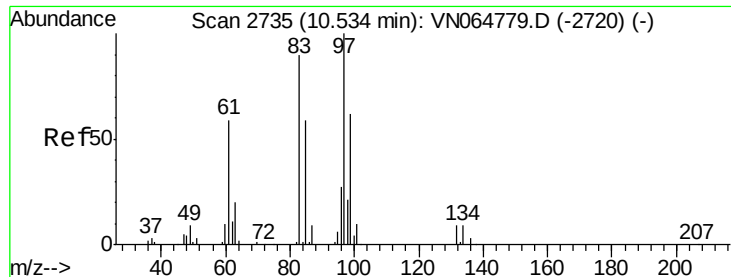
Ion Ratio Lower Upper

75 100

77 33.4 25.5 38.3

39 43.0 35.6 53.4

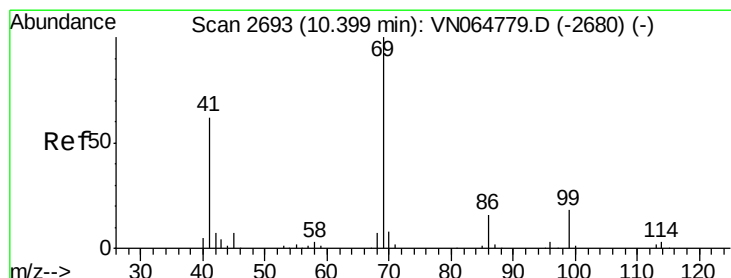
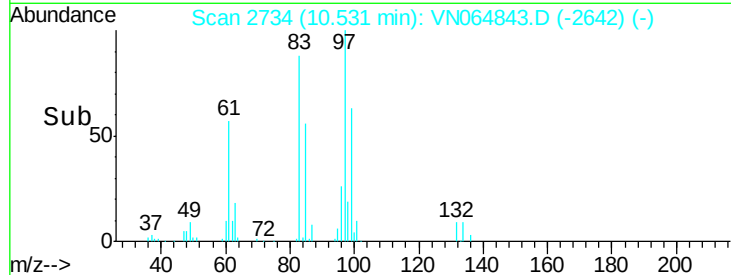
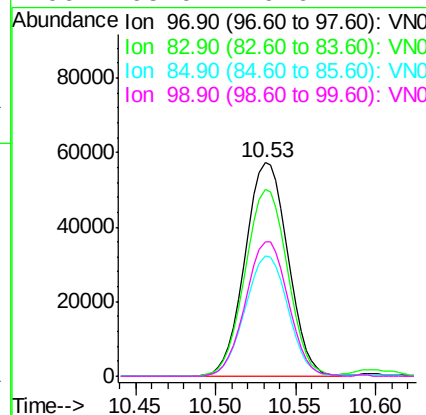
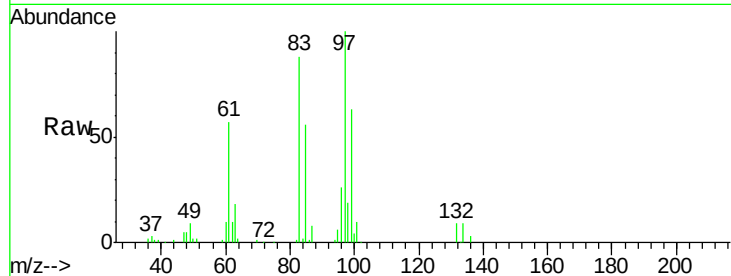




#55
 1,1,2-Trichloroethane
 Concen: 50.312 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

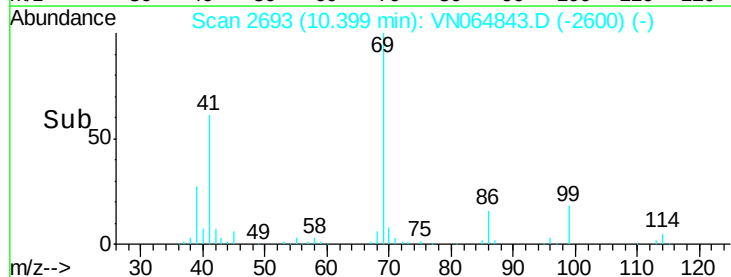
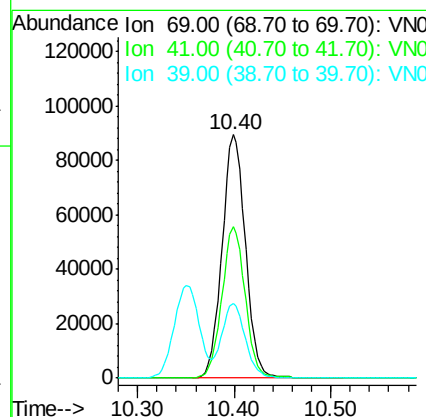
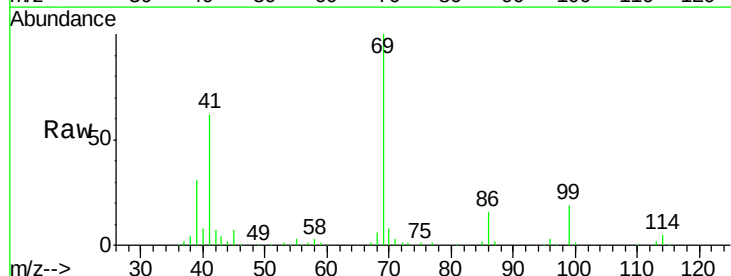
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

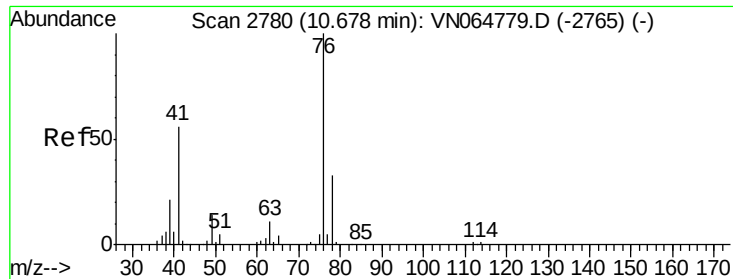
Tot Ion: 97 Resp: 104991
 Ion Ratio Lower Upper
 97 100
 83 87.5 72.1 108.1
 85 56.3 46.8 70.2
 99 63.0 49.6 74.4



#56
 Ethyl methacrylate
 Concen: 52.185 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

Tgt Ion: 69 Resp: 150277
 Ion Ratio Lower Upper
 69 100
 41 61.2 49.4 74.0
 39 30.6 25.9 38.9





#57

1,3-Dichloropropane

Concen: 51.074 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

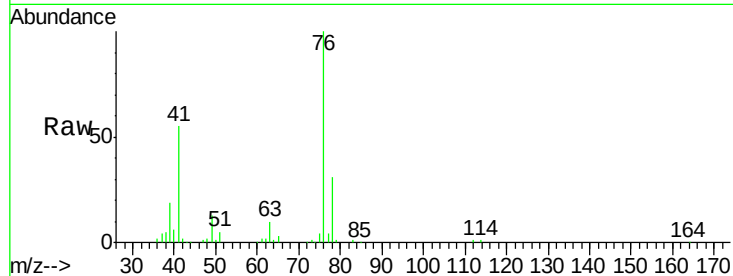
VSTDCCC050EC

Tot Ion: 76 Resp: 175814

Ion Ratio Lower Upper

76 100

78 32.3 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

80000

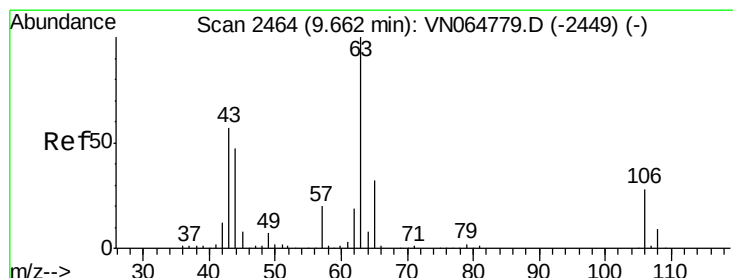
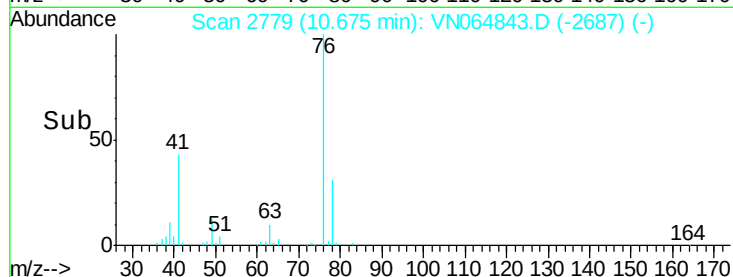
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 264.983 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064843.D

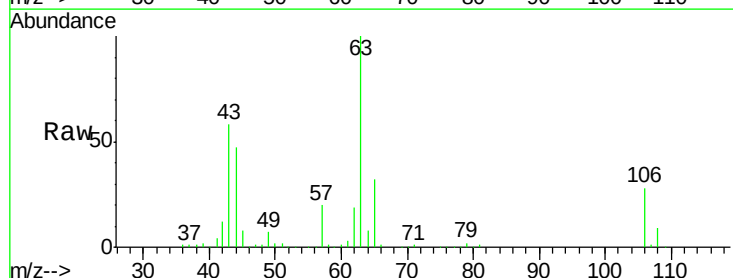
Acq: 25 Nov 2020 5:07

Tgt Ion: 63 Resp: 419741

Ion Ratio Lower Upper

63 100

106 28.0 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

250000

200000

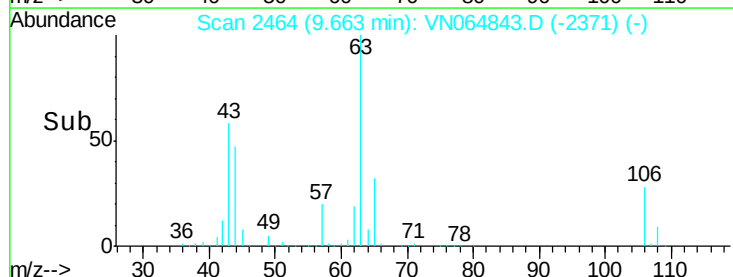
150000

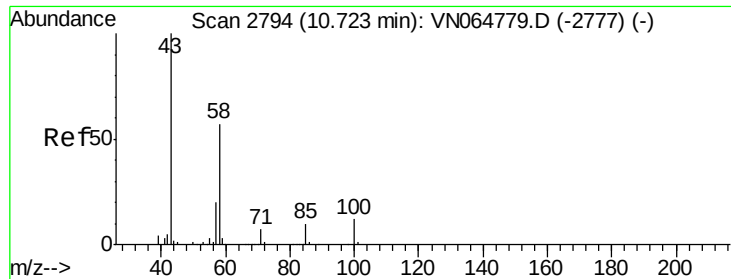
100000

50000

0

Time-->

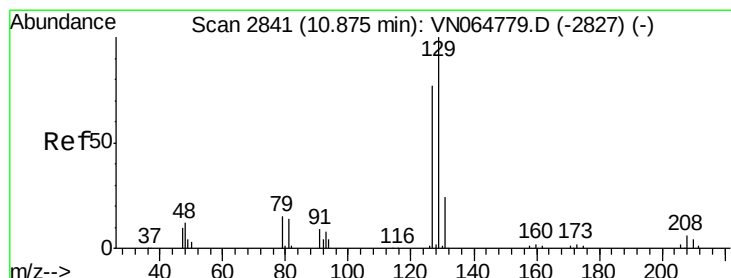
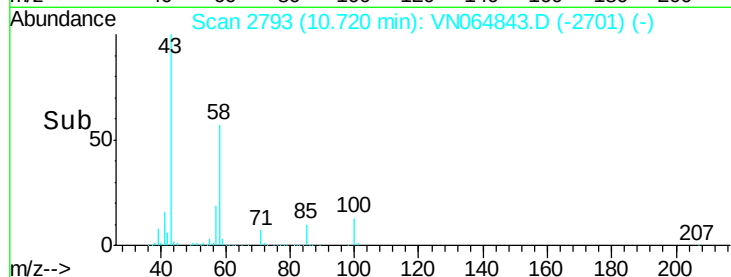
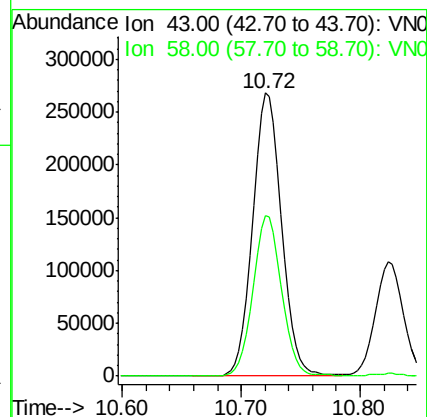
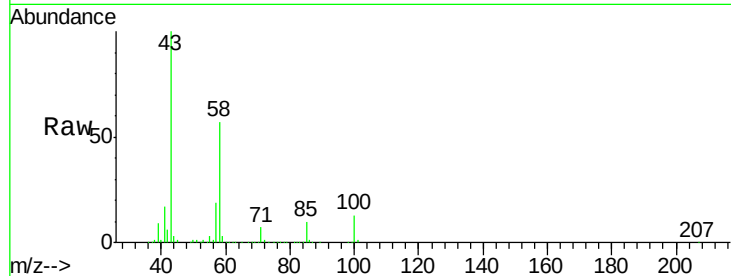




#59
2-Hexanone
Concen: 250.532 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

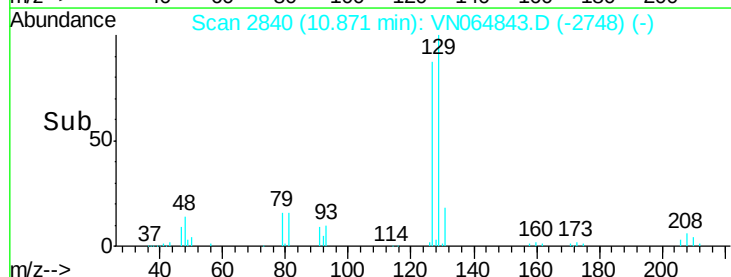
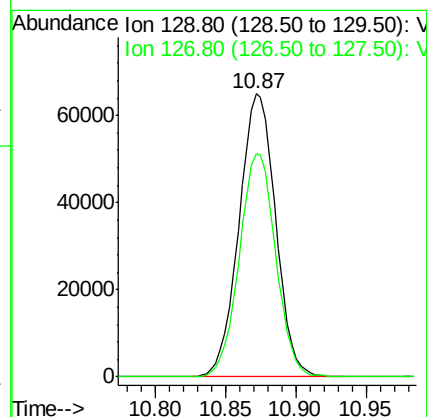
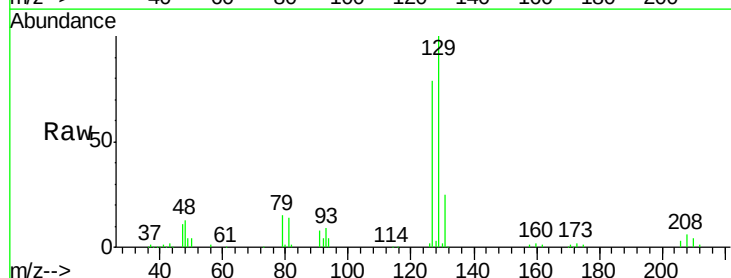
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

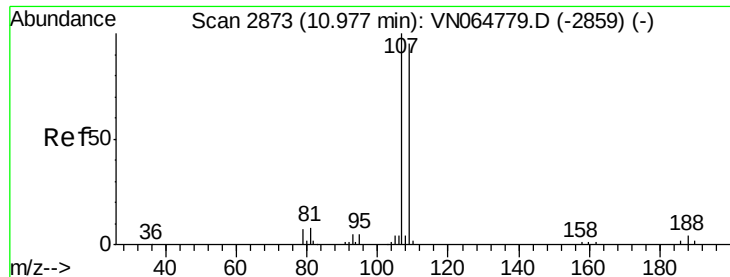
Tot Ion: 43 Resp: 451183
Ion Ratio Lower Upper
43 100
58 56.1 28.3 84.9



#60
Dibromochloromethane
Concen: 51.024 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

Tgt Ion:129 Resp: 118356
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 50.774 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

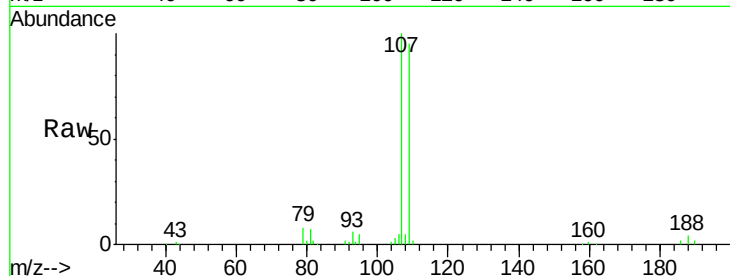
VSTDCCC050EC

Tot Ion: 107 Resp: 107647

Ion Ratio Lower Upper

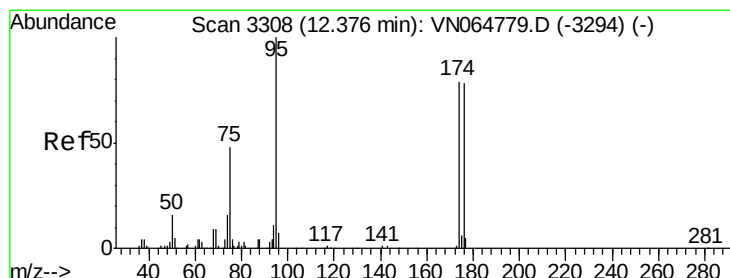
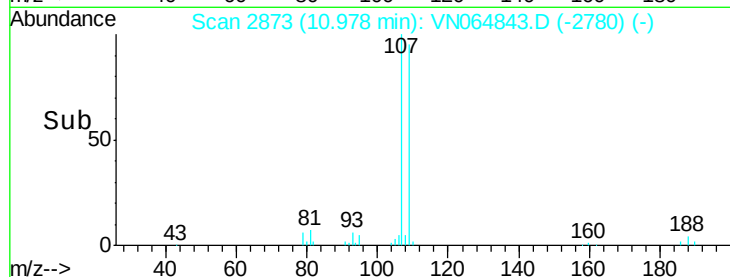
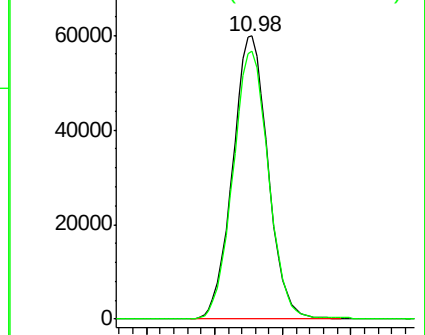
107 100

109 95.2 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.344 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

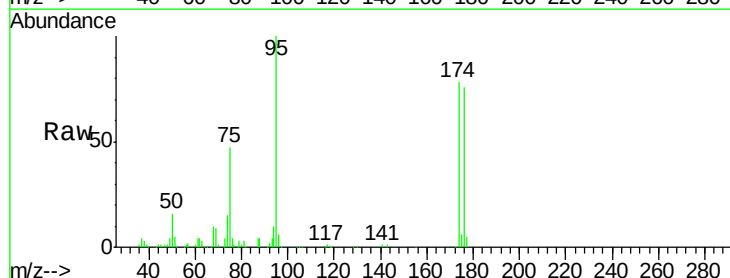
Tgt Ion: 95 Resp: 127797

Ion Ratio Lower Upper

95 100

174 80.5 0.0 160.4

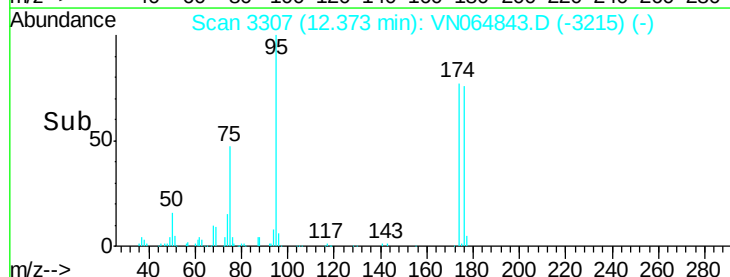
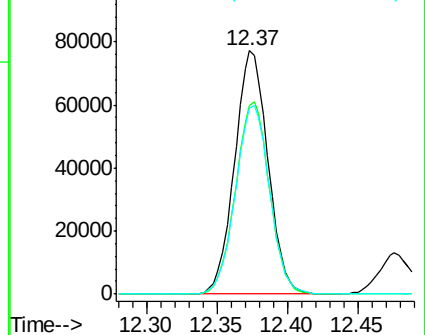
176 79.5 0.0 158.4

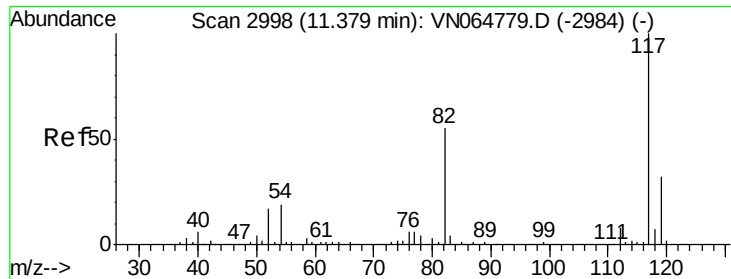


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

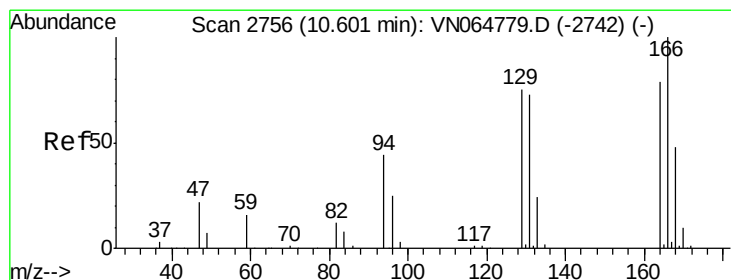
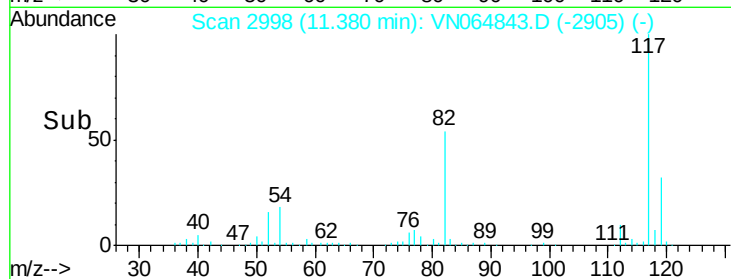
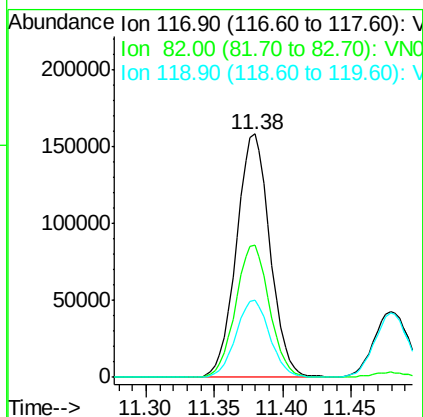
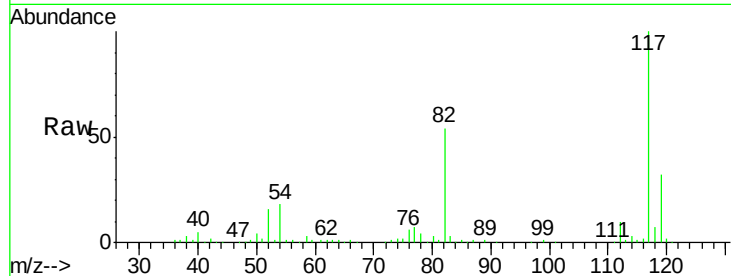




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

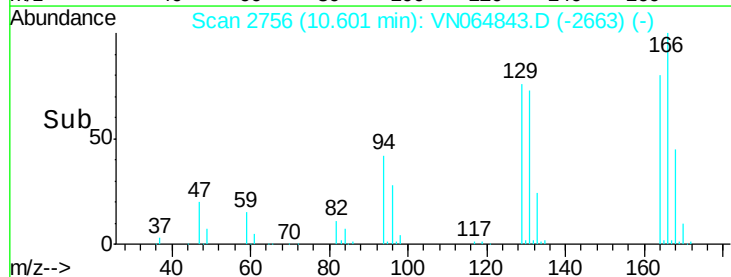
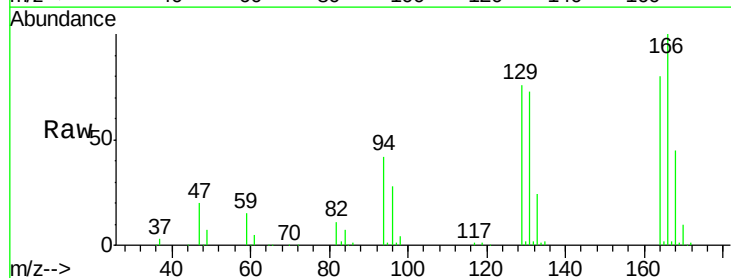
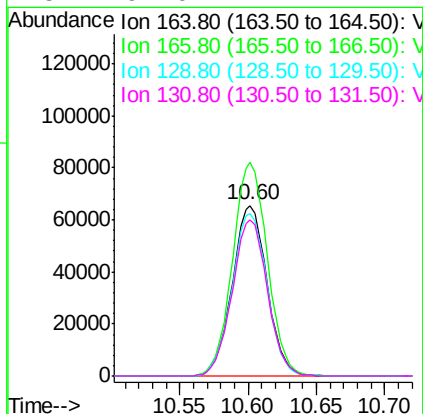
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

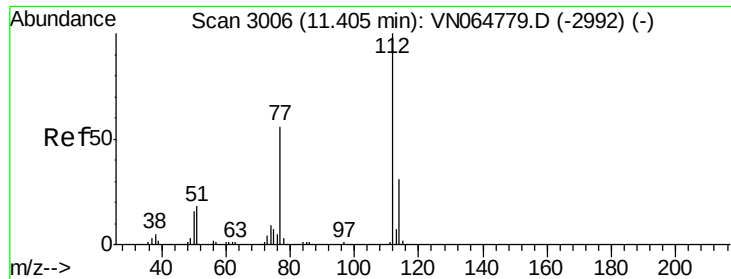
Tot Ion:117 Resp: 271438
Ion Ratio Lower Upper
117 100
82 54.2 44.2 66.2
119 31.6 25.8 38.6



#64
Tetrachloroethene
Concen: 43.693 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

Tgt Ion:164 Resp: 115386
Ion Ratio Lower Upper
164 100
166 125.3 101.4 152.0
129 95.7 76.1 114.1
131 92.0 74.2 111.2





#65

Chlorobenzene

Concen: 49.027 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

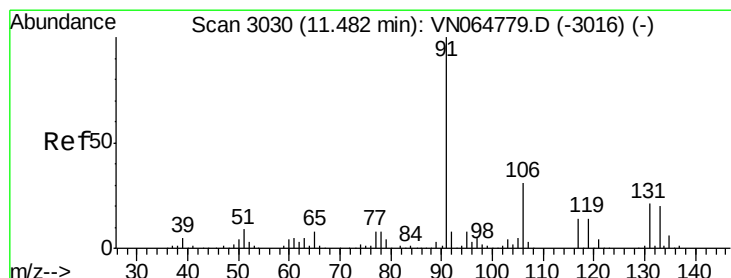
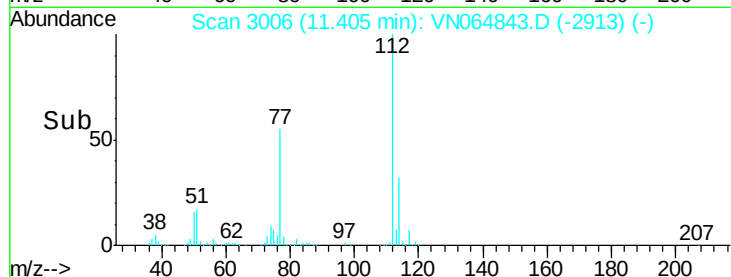
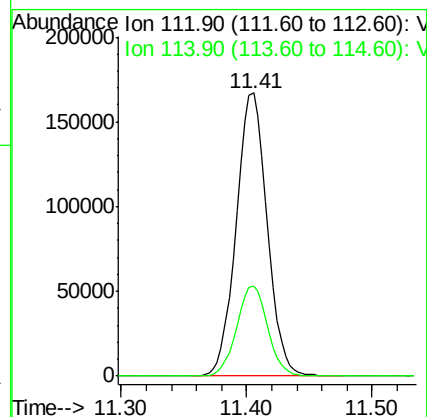
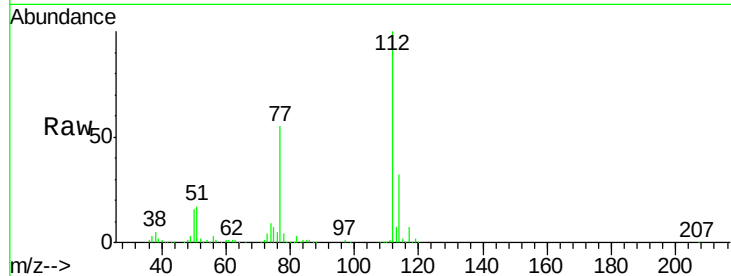
VSTDCCC050EC

Tot Ion:112 Resp: 285781

Ion Ratio Lower Upper

112 100

114 32.1 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 49.890 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

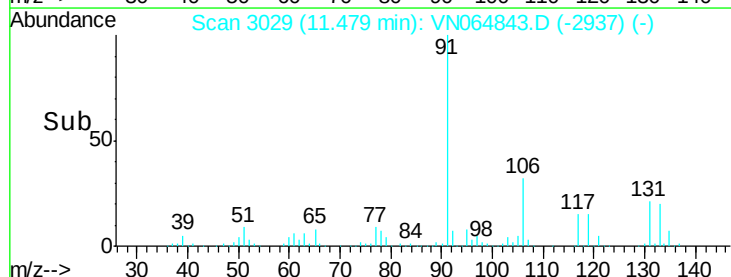
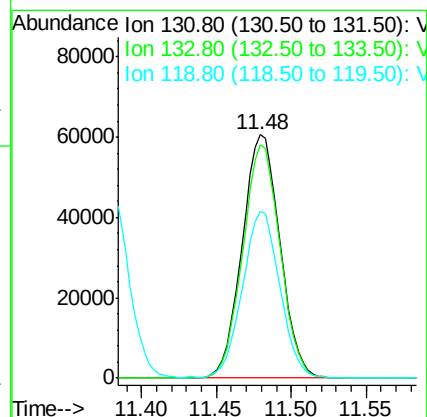
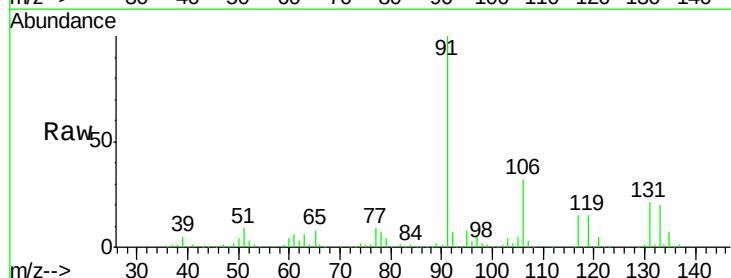
Tgt Ion:131 Resp: 106874

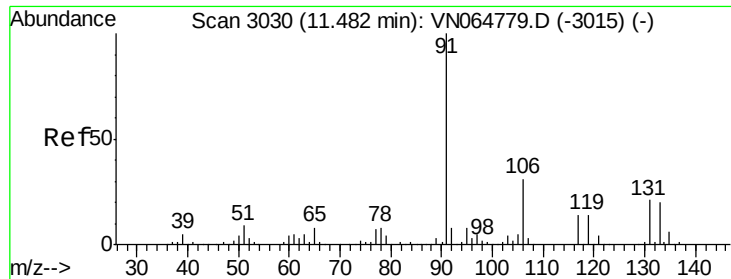
Ion Ratio Lower Upper

131 100

133 94.7 47.5 142.5

119 67.7 33.3 99.8

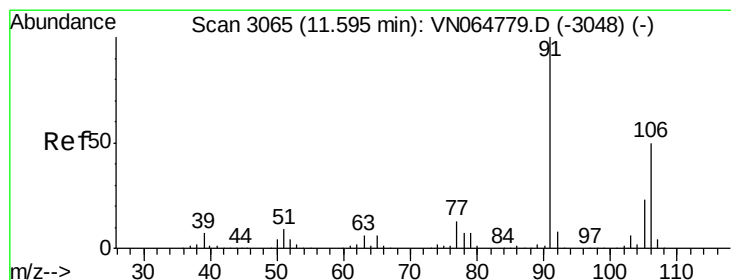
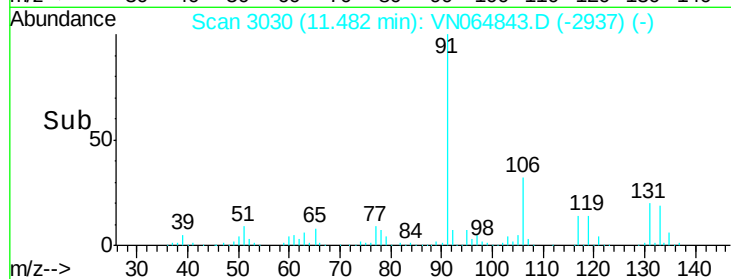
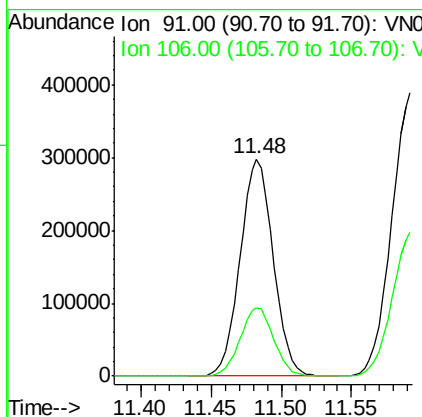
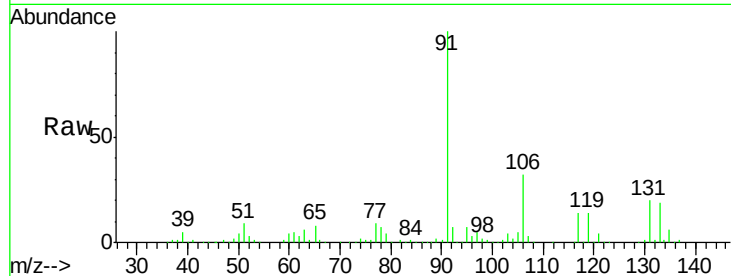




#67
Ethyl Benzene
Concen: 50.290 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

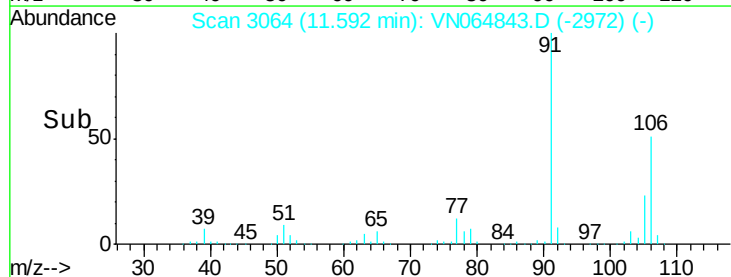
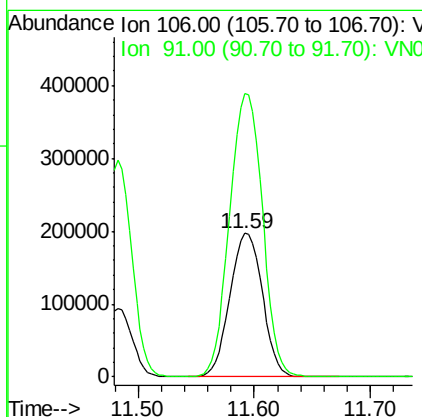
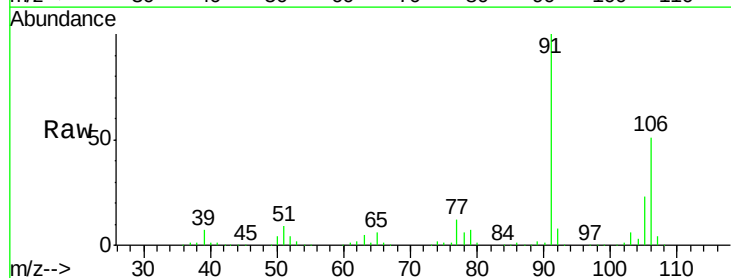
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

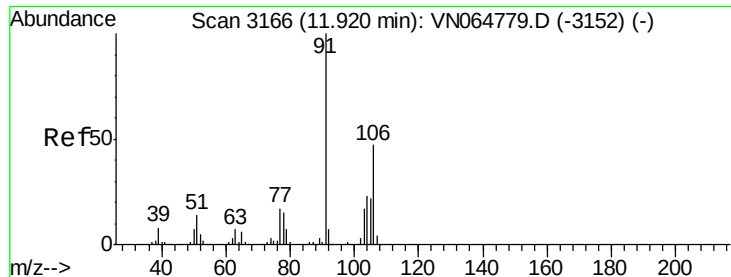
Tot Ion: 91 Resp: 489712
Ion Ratio Lower Upper
91 100
106 31.8 25.2 37.8



#68
m/p-Xylenes
Concen: 103.757 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

Tgt Ion: 106 Resp: 382534
Ion Ratio Lower Upper
106 100
91 199.8 161.0 241.4

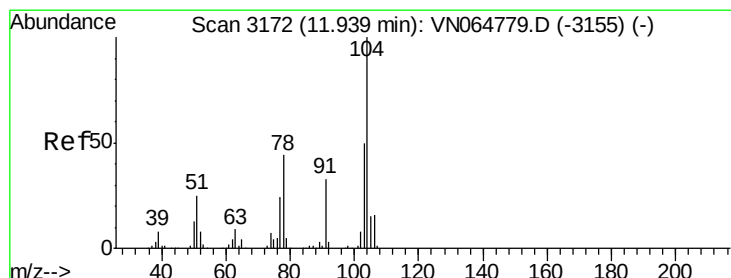
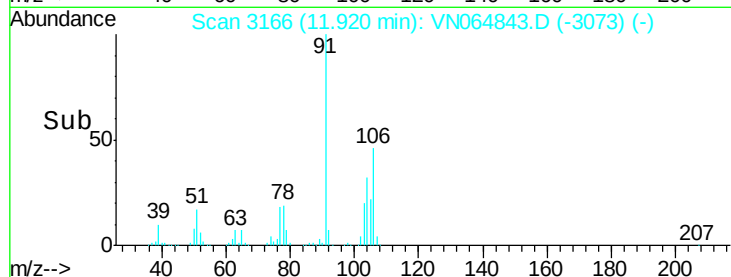
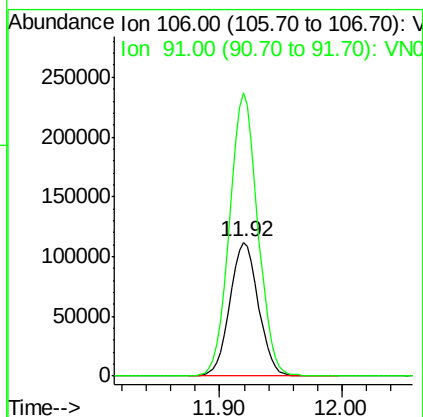
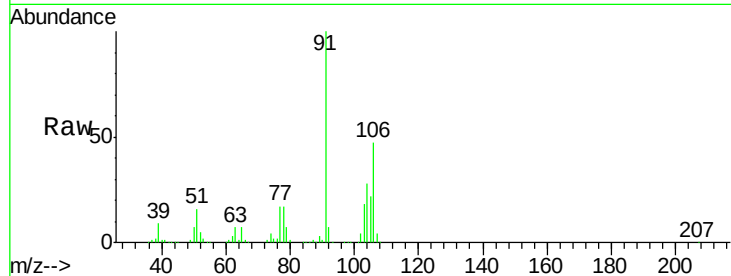




#69
o-Xylene
Concen: 52.265 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

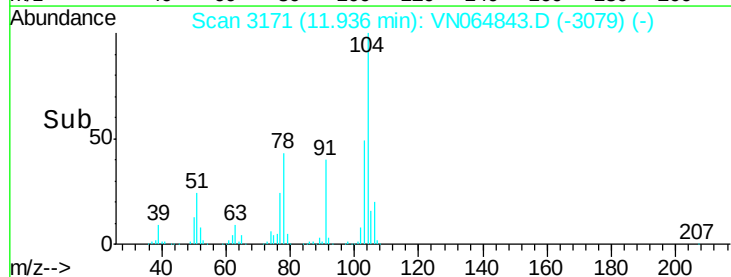
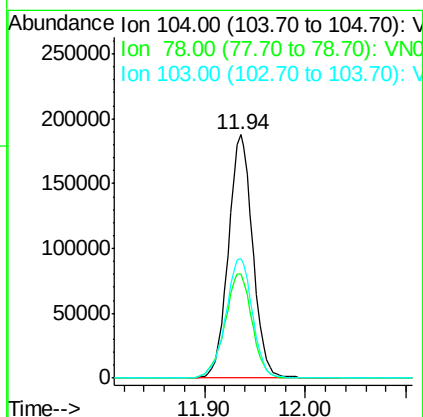
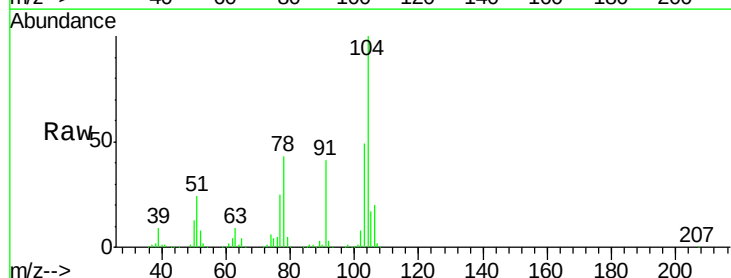
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

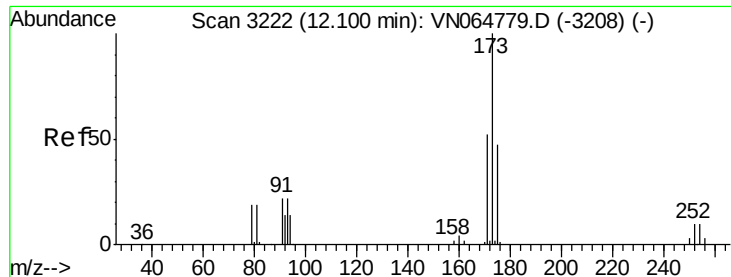
Tot Ion:106 Resp: 182853
Ion Ratio Lower Upper
106 100
91 209.6 105.5 316.5



#70
Styrene
Concen: 53.582 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

Tgt Ion:104 Resp: 316465
Ion Ratio Lower Upper
104 100
78 47.7 39.0 58.6
103 53.7 44.3 66.5





#71

Bromoform

Concen: 47.757 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

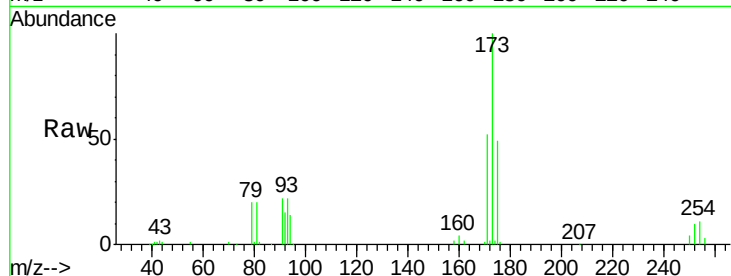
Tot Ion:173 Resp: 81712

Ion Ratio Lower Upper

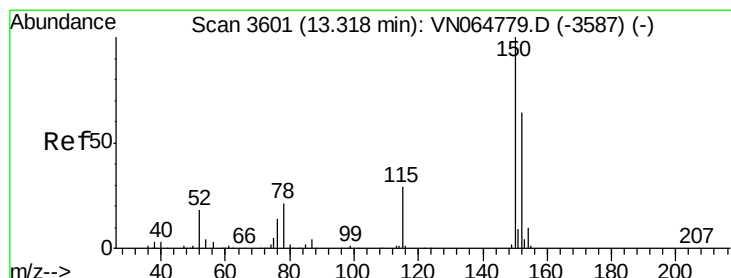
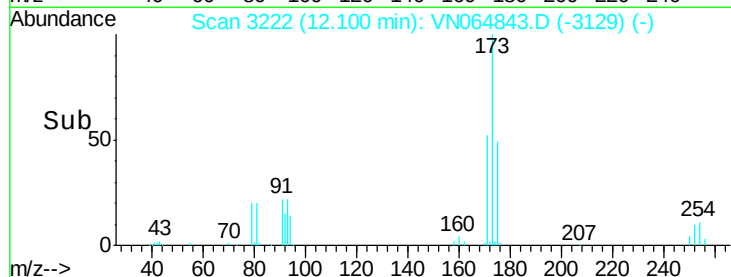
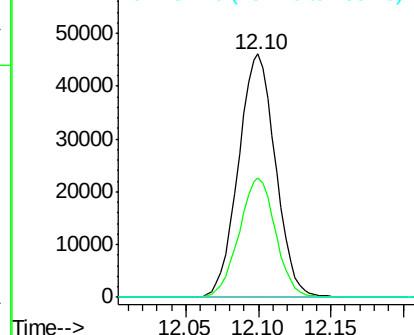
173 100

175 48.2 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: VN064843.D

Acq: 25 Nov 2020 5:07

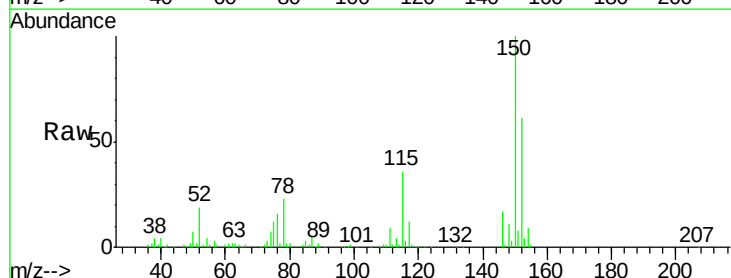
Tgt Ion:152 Resp: 131168

Ion Ratio Lower Upper

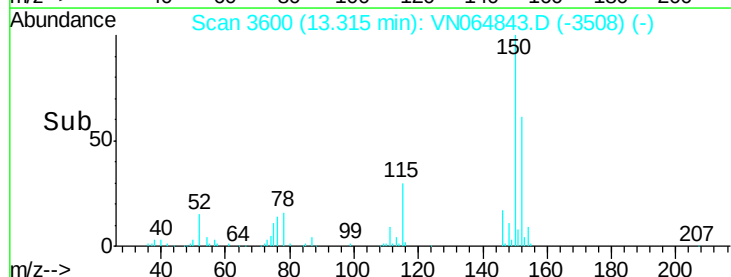
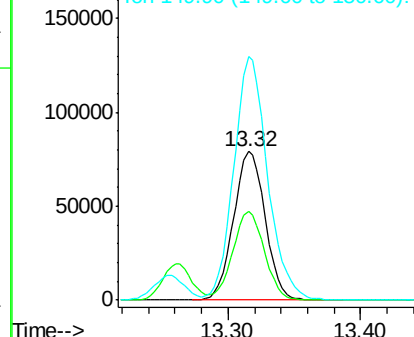
152 100

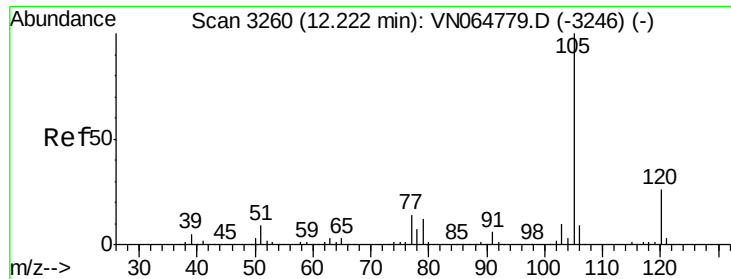
115 58.9 29.7 89.1

150 174.1 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: 53.282 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

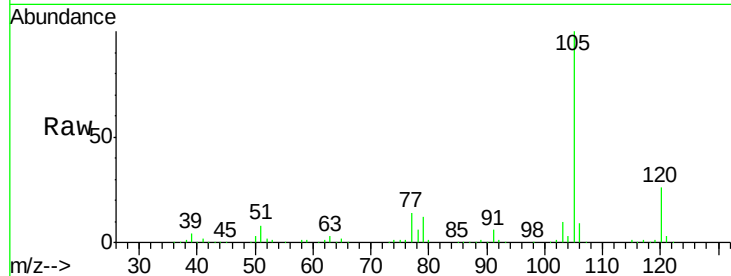
VSTDCCC050EC

Tot Ion:105 Resp: 486131

Ion Ratio Lower Upper

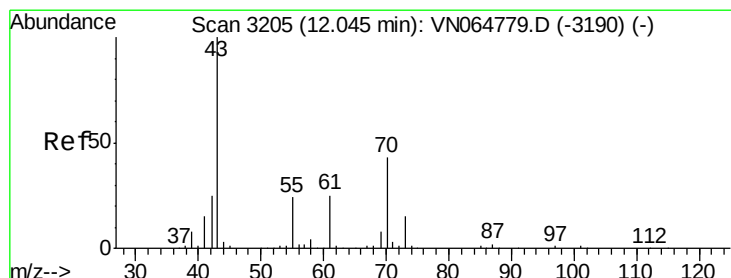
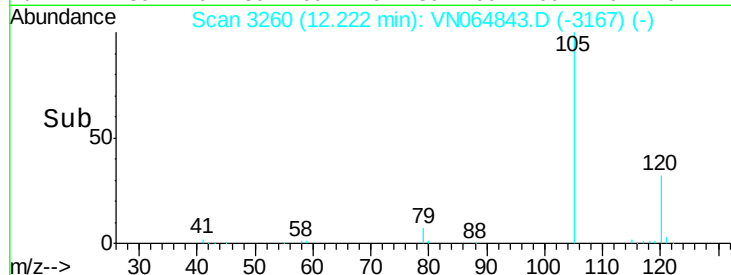
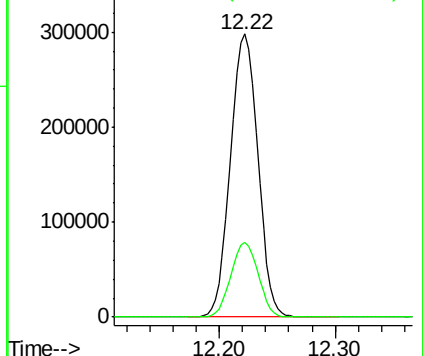
105 100

120 26.4 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: 49.784 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Tgt Ion: 43 Resp: 178751

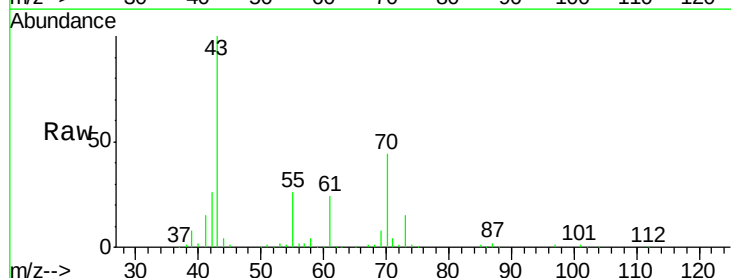
Ion Ratio Lower Upper

43 100

70 44.6 34.5 51.7

55 26.1 20.4 30.6

61 24.7 20.0 30.0

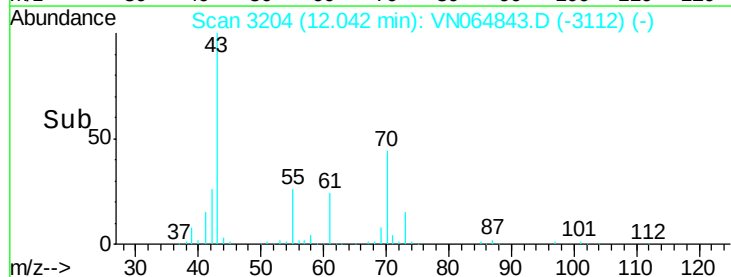
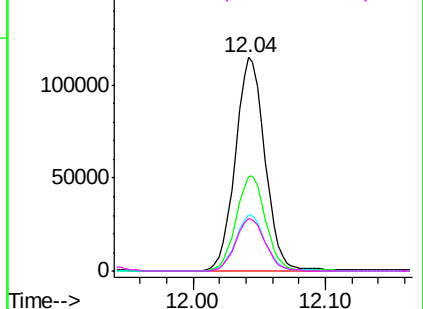


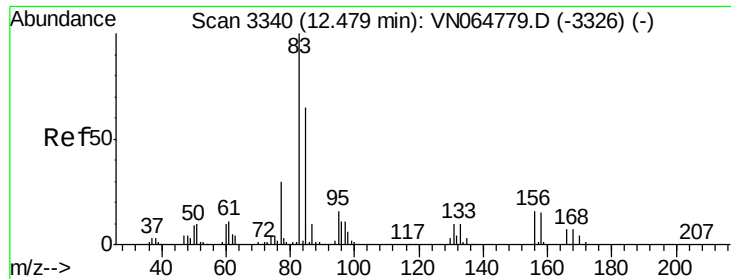
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 51.146 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

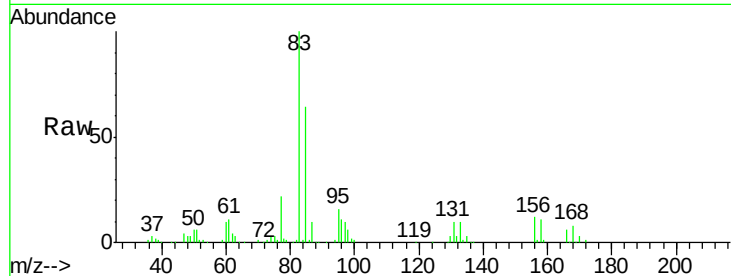
Tot Ion: 83 Resp: 136774

Ion Ratio Lower Upper

83 100

131 10.9 5.1 15.3

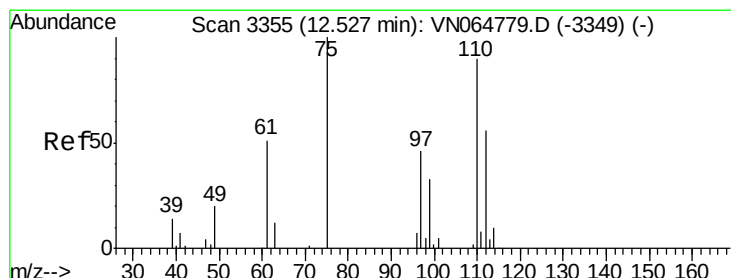
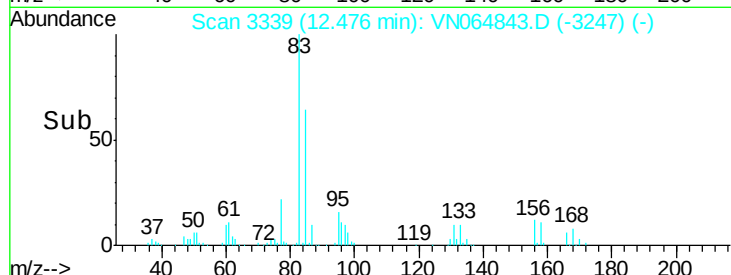
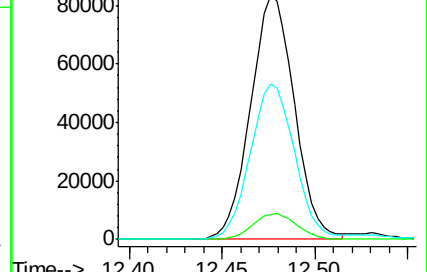
85 64.5 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VN064779.D (-3326) (-)

Ion 130.80 (130.50 to 131.50): VN064779.D (-3326) (-)

Ion 84.90 (84.60 to 85.60): VN064779.D (-3326) (-)



#76

1,2,3-Trichloropropane

Concen: 67.334 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064843.D

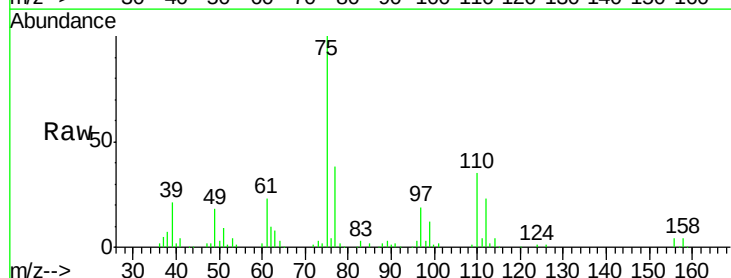
Acq: 25 Nov 2020 5:07

Tgt Ion: 75 Resp: 190207

Ion Ratio Lower Upper

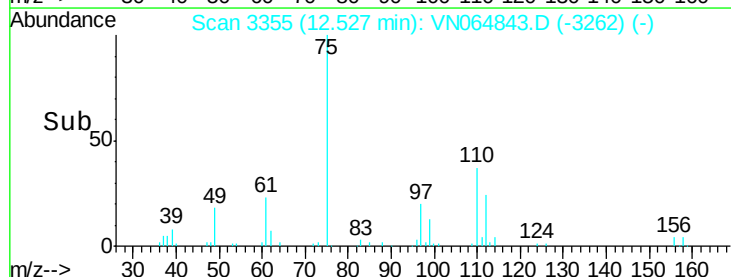
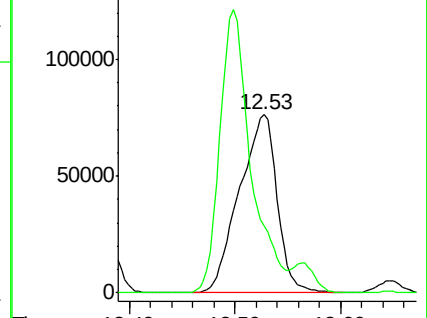
75 100

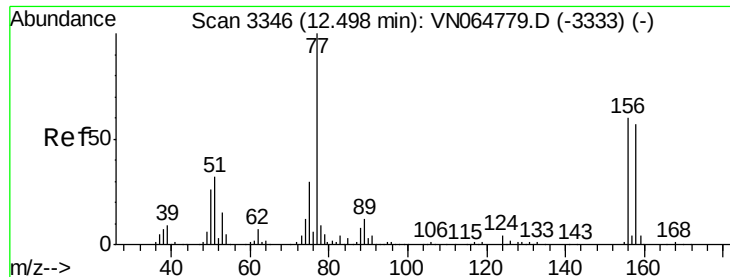
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064779.D (-3349) (-)





#77

Bromobenzene

Concen: 50.004 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

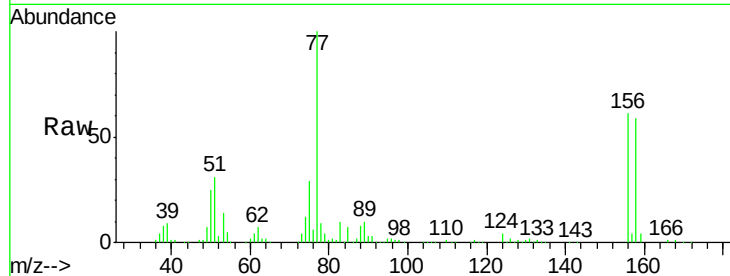
Tot Ion:156 Resp: 122997

Ion Ratio Lower Upper

156 100

77 202.6 101.3 303.7

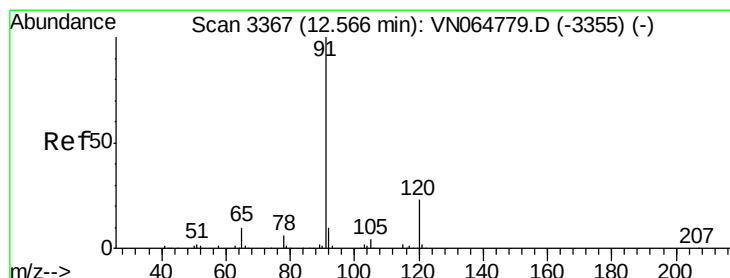
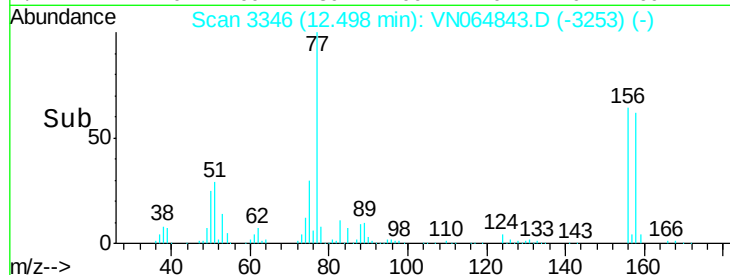
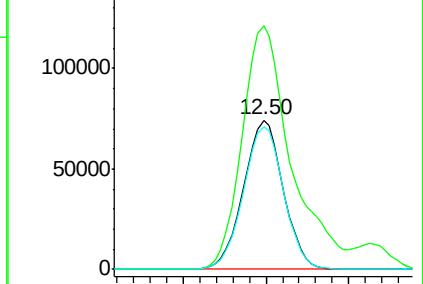
158 97.6 48.2 144.6



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: 52.319 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064843.D

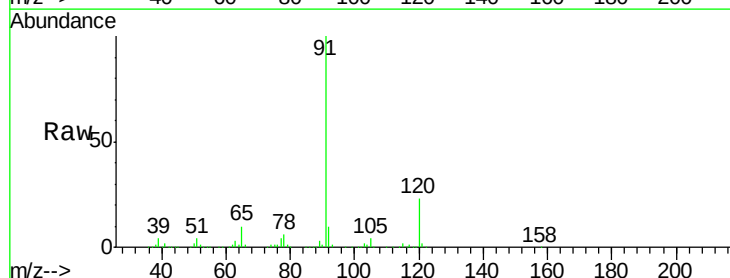
Acq: 25 Nov 2020 5:07

Tgt Ion: 91 Resp: 543785

Ion Ratio Lower Upper

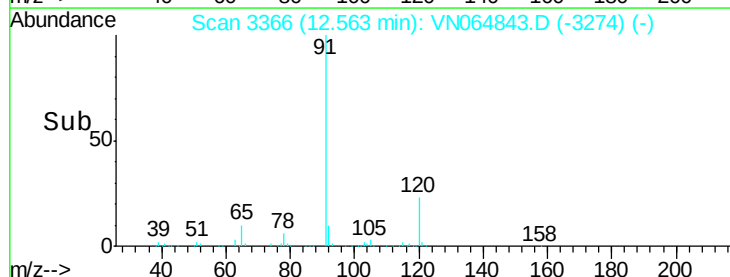
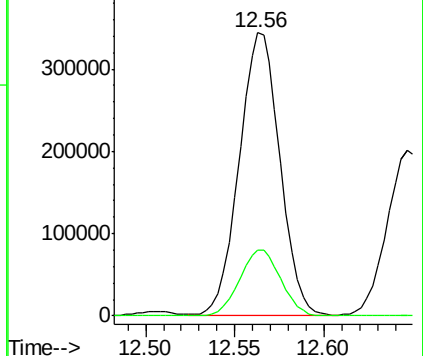
91 100

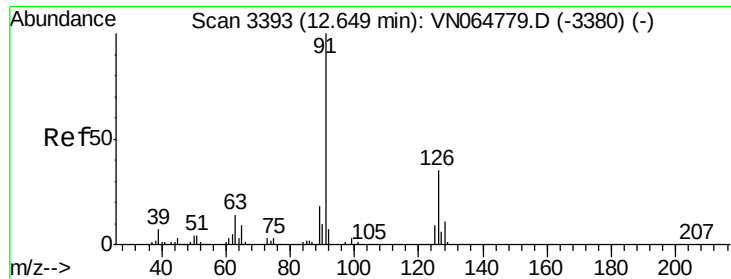
120 23.8 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

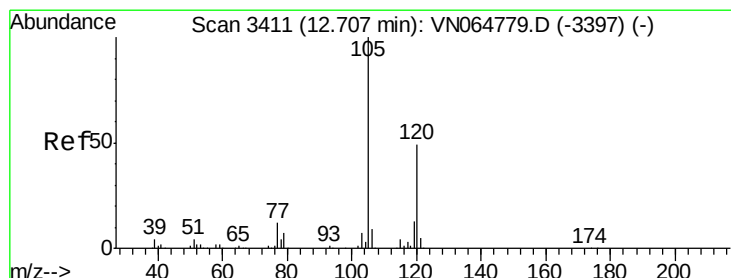
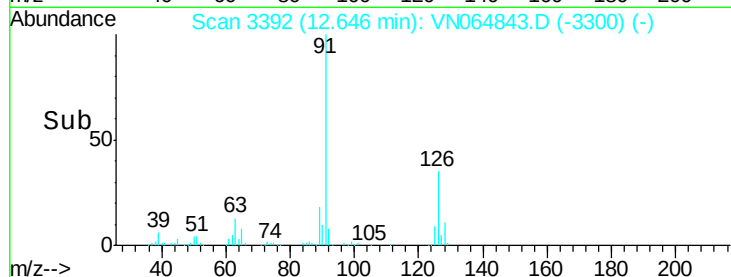
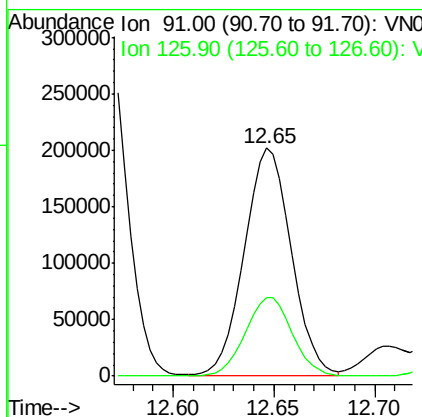
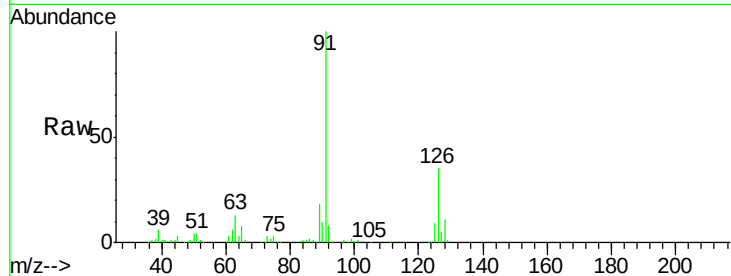




#79
 2-Chlorotoluene
 Concen: 50.937 ug/l
 RT: 12.65 min Scan# 3392
 Delta R.T. -0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

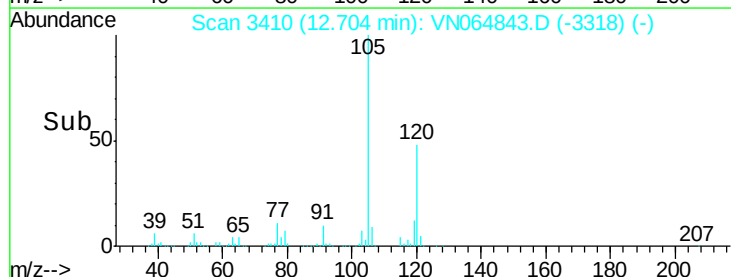
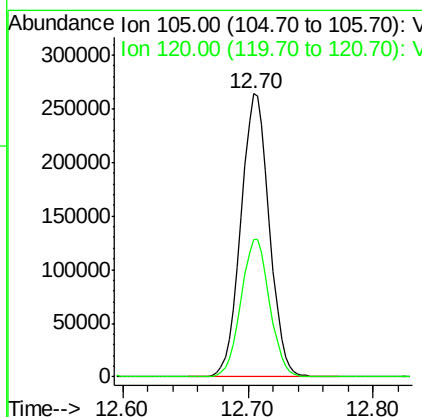
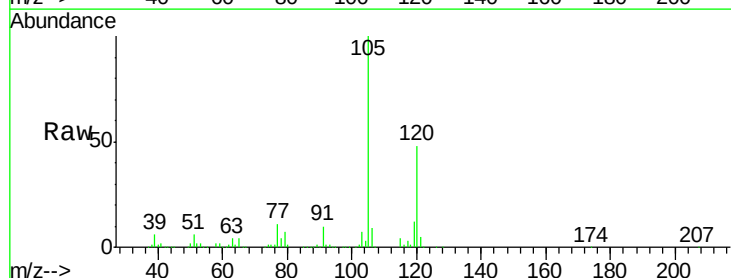
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

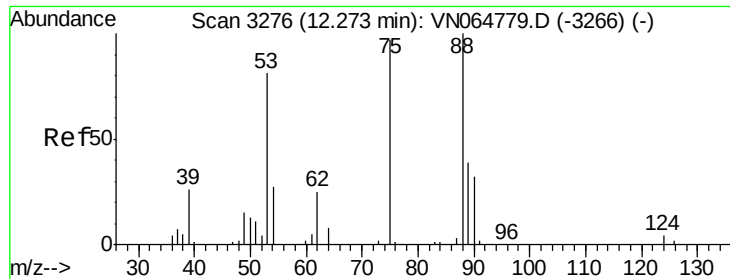
Tot Ion: 91 Resp: 327257
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.2 51.6



#80
 1,3,5-Trimethylbenzene
 Concen: 54.732 ug/l
 RT: 12.70 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

Tgt Ion: 105 Resp: 415062
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.6 73.6

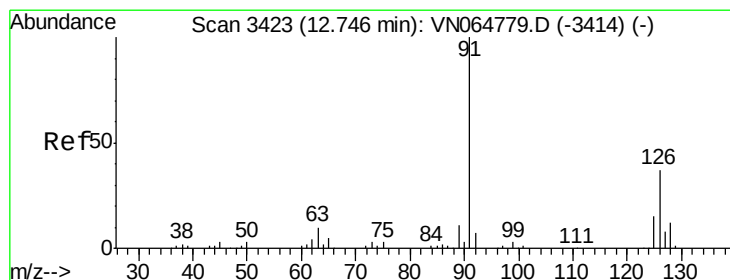
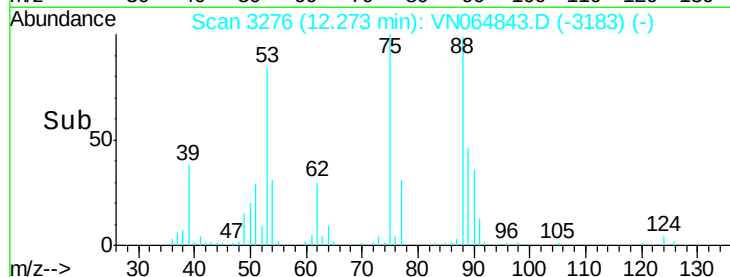
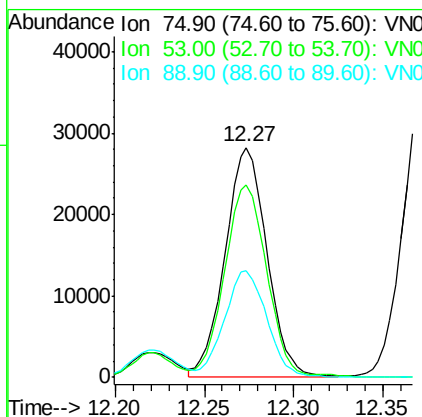
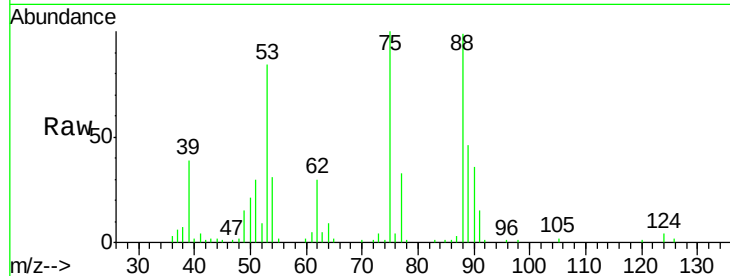




#81
trans-1,4-Dichloro-2-butene
Concen: 44.724 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

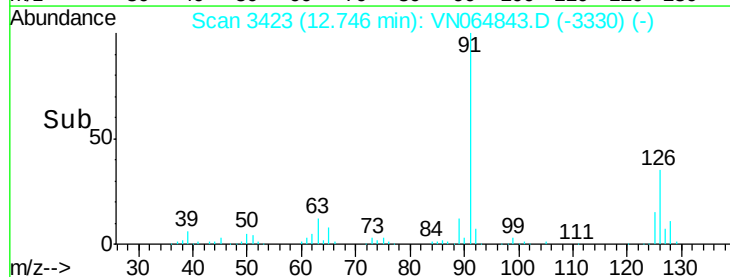
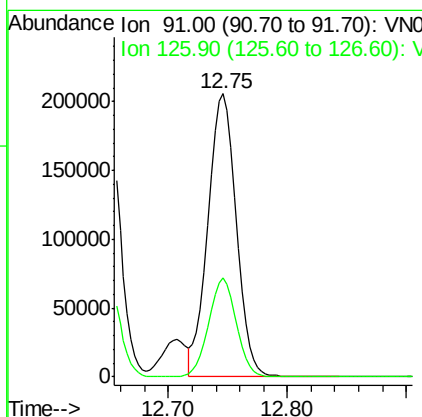
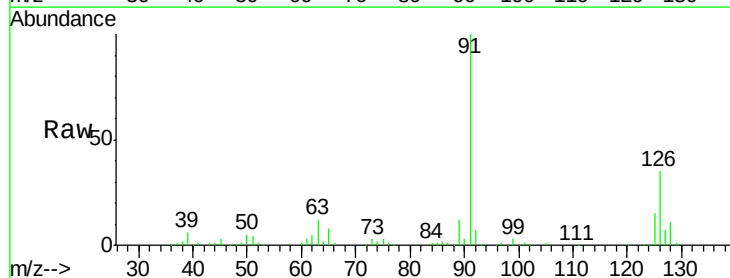
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

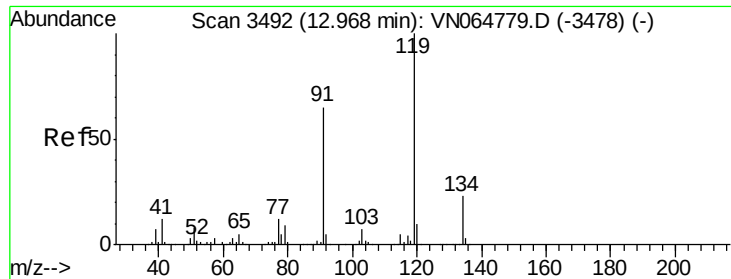
Tot Ion: 75 Resp: 46096
Ion Ratio Lower Upper
75 100
53 84.9 67.0 100.4
89 46.6 39.6 59.4



#82
4-Chlorotoluene
Concen: 50.399 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

Tgt Ion: 91 Resp: 339408
Ion Ratio Lower Upper
91 100
126 34.0 16.9 50.7

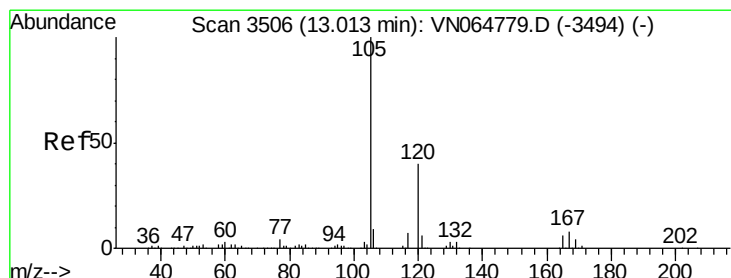
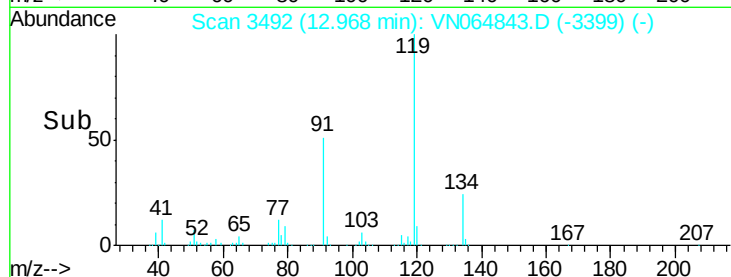
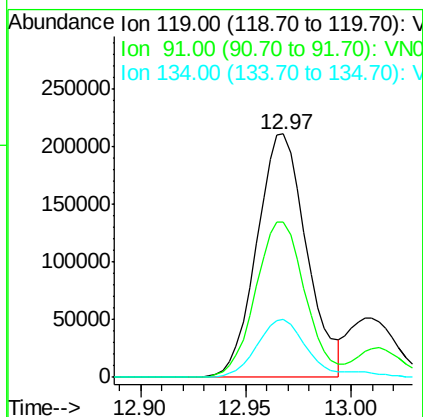
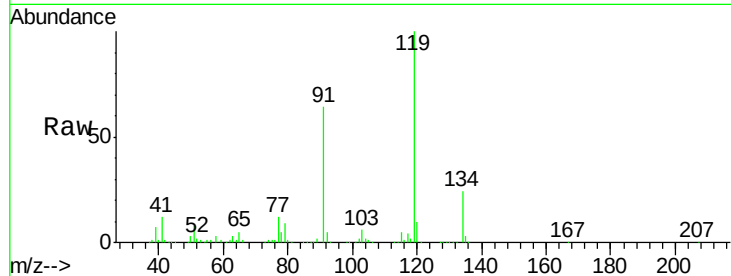




#83
 tert-Butylbenzene
 Concen: 54.721 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

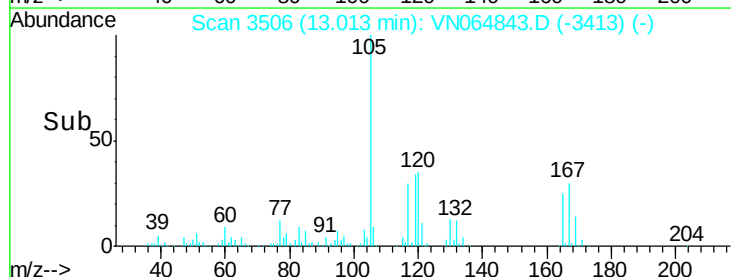
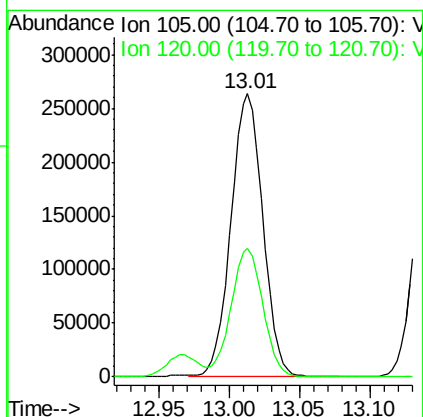
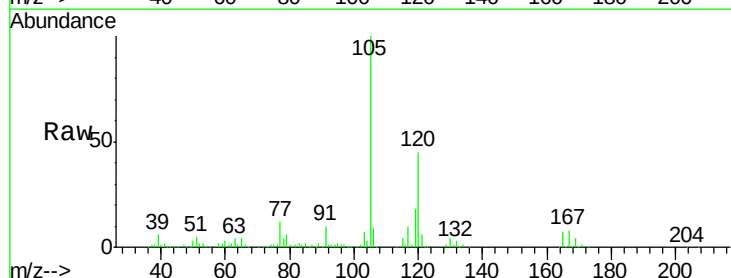
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

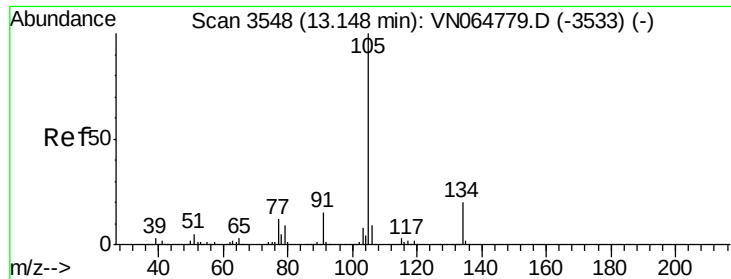
Tot Ion:119 Resp: 347830
 Ion Ratio Lower Upper
 119 100
 91 63.5 32.3 96.8
 134 24.8 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 54.354 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

Tgt Ion:105 Resp: 416759
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.1 69.2

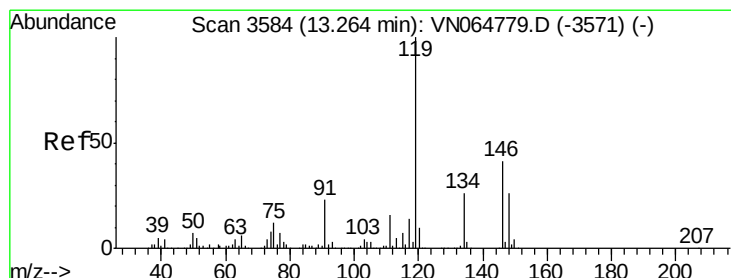
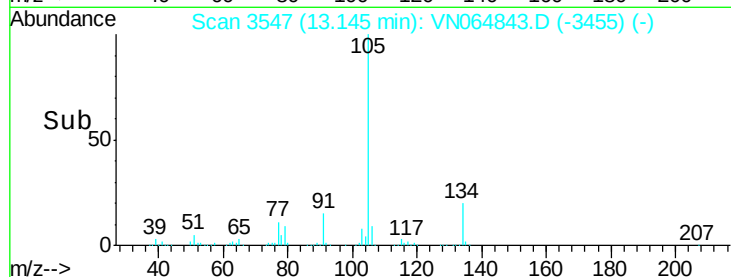
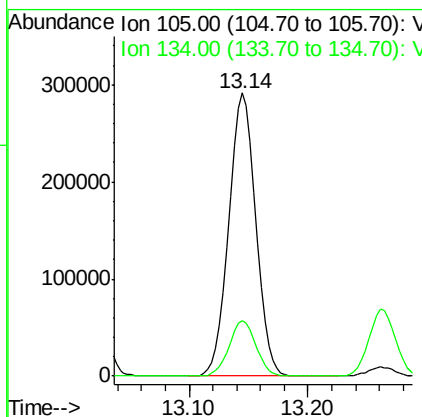
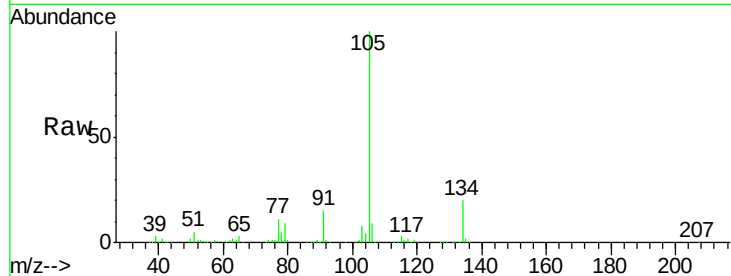




#85
 sec-Butylbenzene
 Concen: 54.136 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

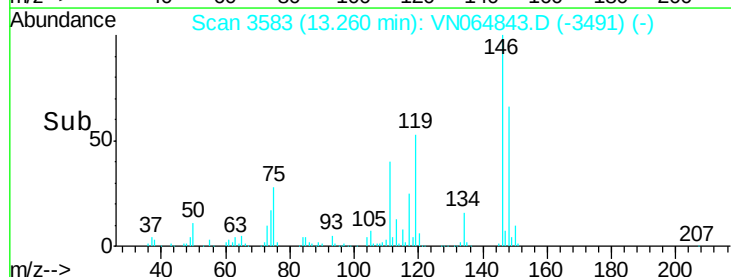
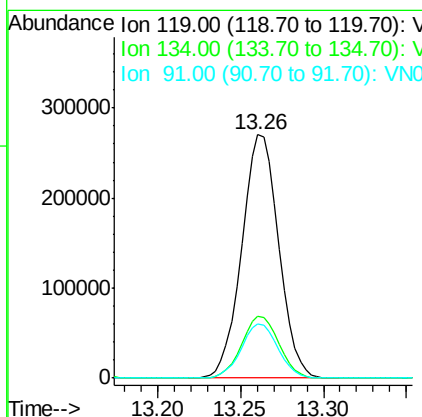
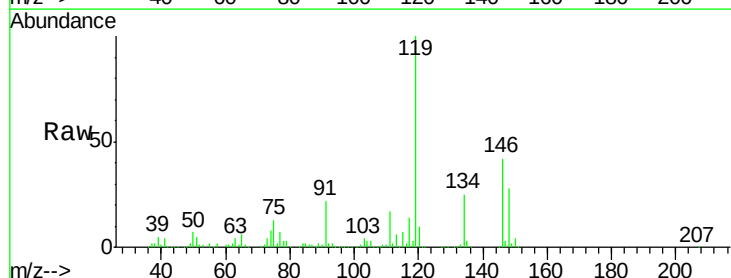
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

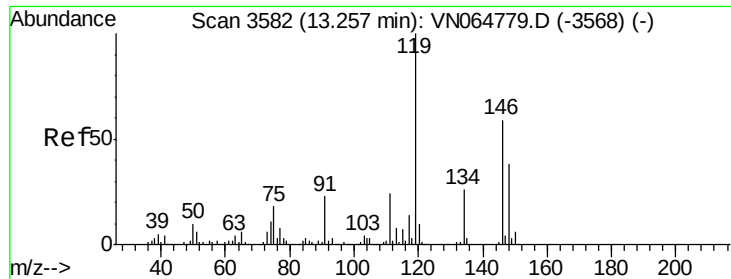
Tot Ion:105 Resp: 456891
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 54.387 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

Tgt Ion:119 Resp: 417893
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.1 39.1
 91 22.3 11.5 34.5

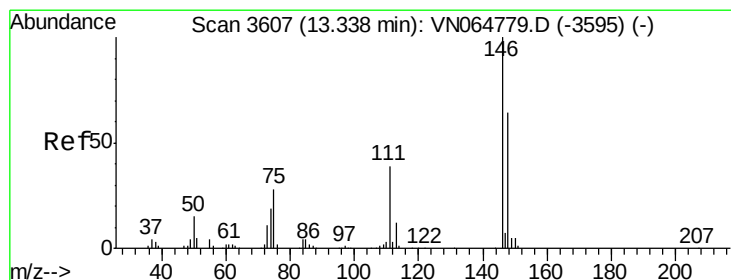
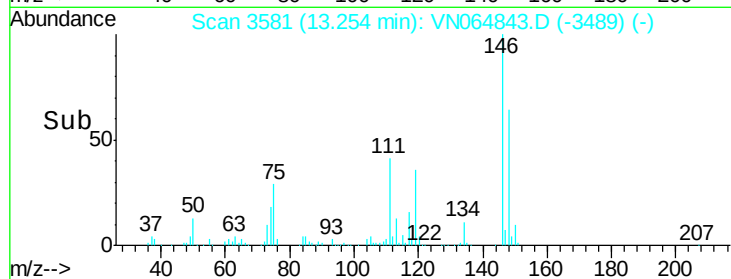
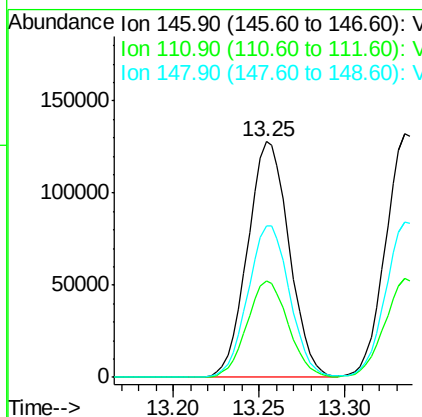
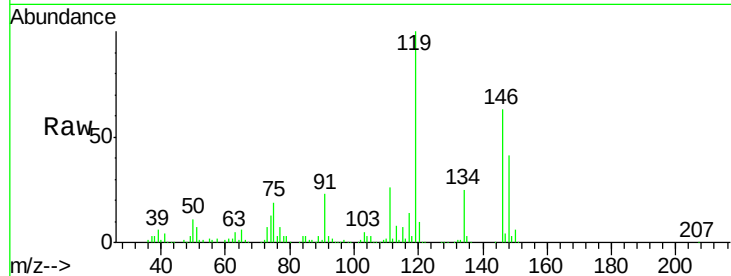




#87
 1,3-Dichlorobenzene
 Concen: 49.221 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

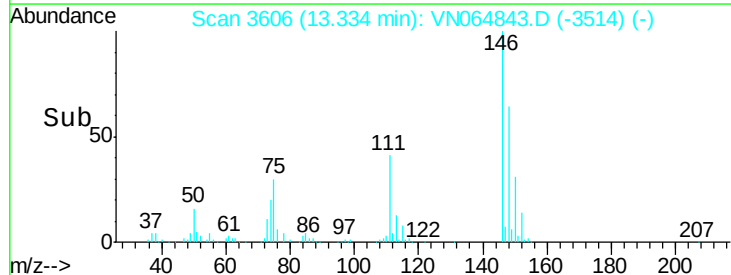
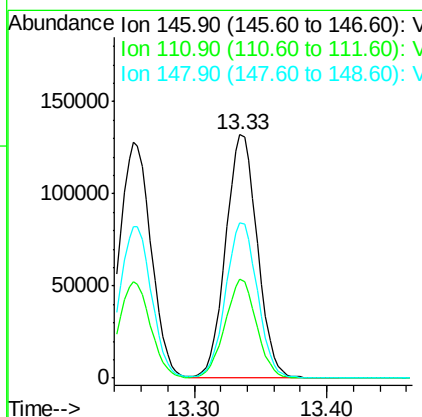
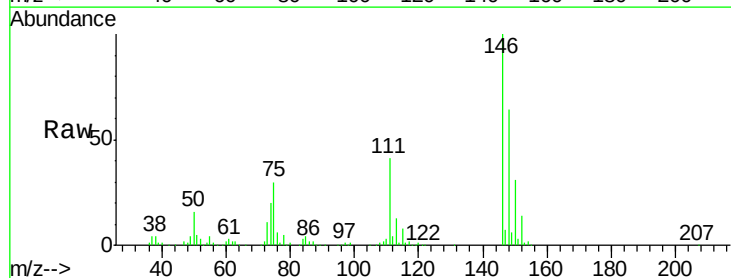
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

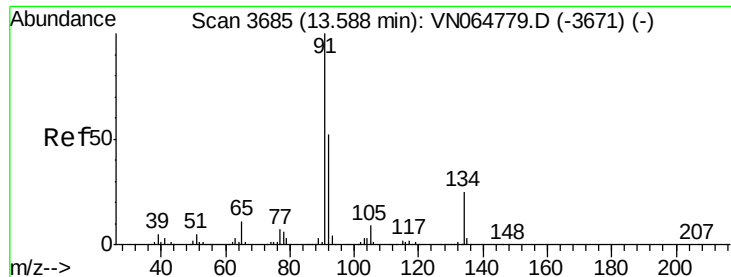
Tot Ion:146 Resp: 215099
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.6 61.9
 148 64.4 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 47.225 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

Tgt Ion:146 Resp: 218256
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.8 59.3
 148 64.1 31.9 95.5

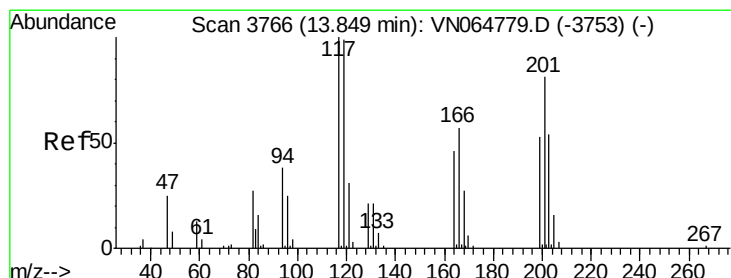
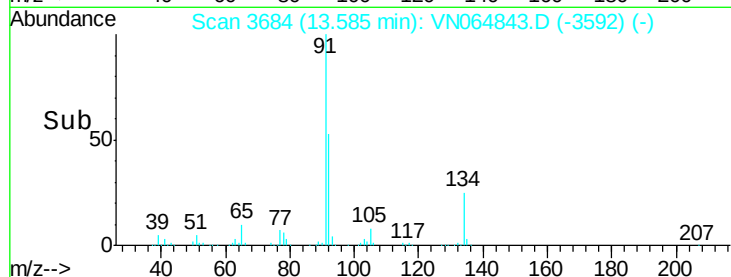
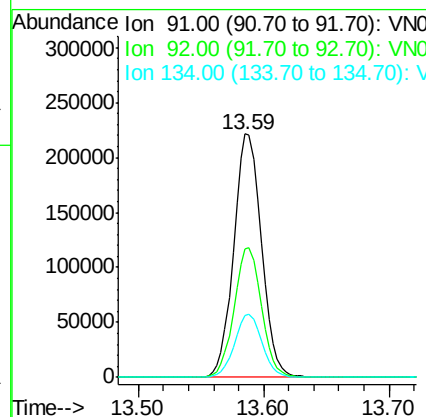
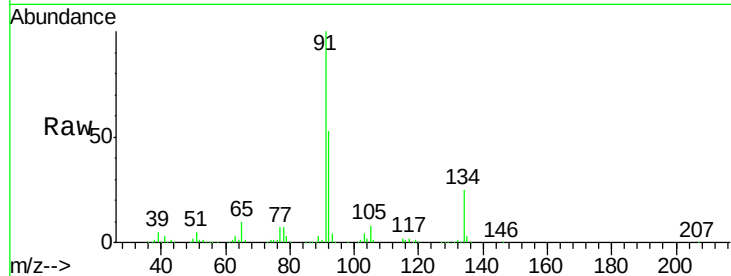




#89
n-Butylbenzene
Concen: 50.407 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

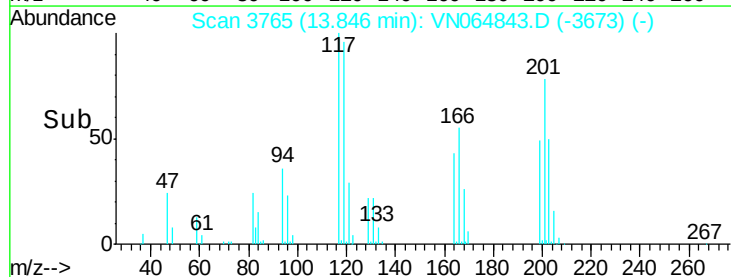
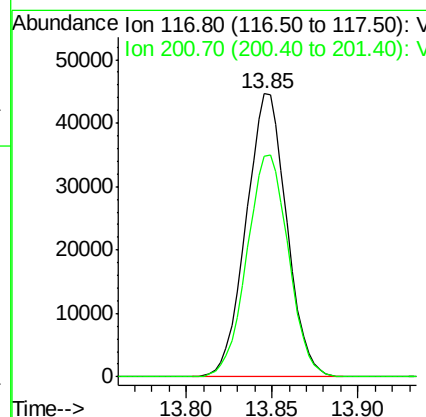
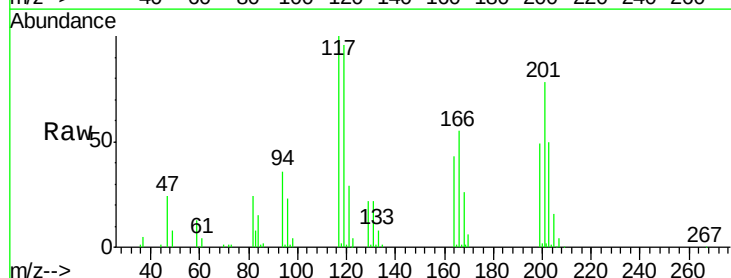
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

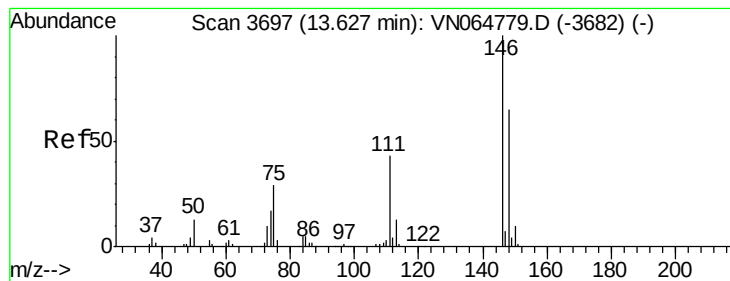
Tot Ion: 91 Resp: 340136
Ion Ratio Lower Upper
91 100
92 52.5 26.0 78.0
134 25.8 12.9 38.6



#90
Hexachloroethane
Concen: 54.753 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064843.D
Acq: 25 Nov 2020 5:07

Tgt Ion: 117 Resp: 73086
Ion Ratio Lower Upper
117 100
201 80.4 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 50.158 ug/l

RT: 13.62 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

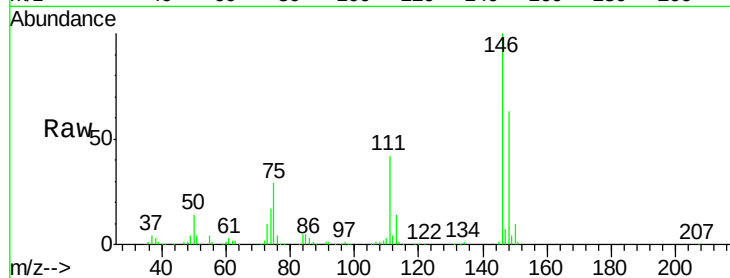
Tot Ion:146 Resp: 215226

Ion Ratio Lower Upper

146 100

111 42.1 21.1 63.1

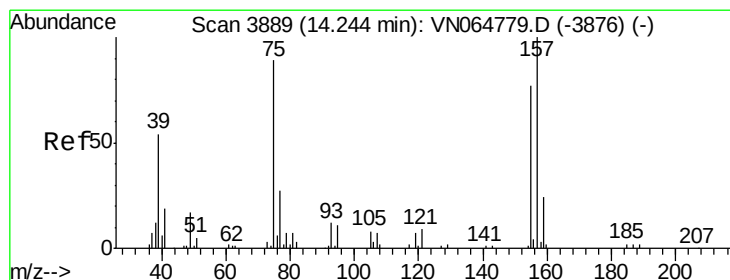
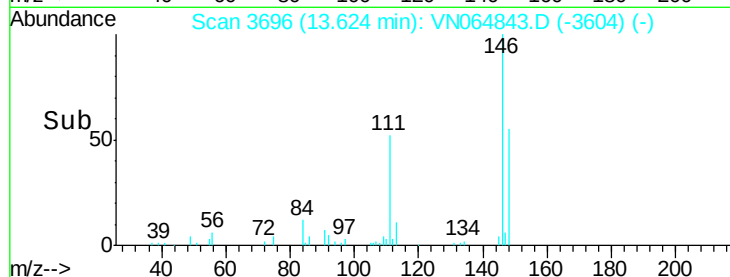
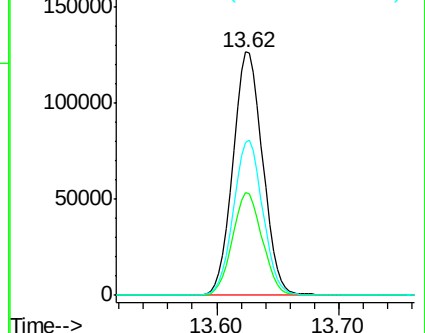
148 62.9 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.125 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

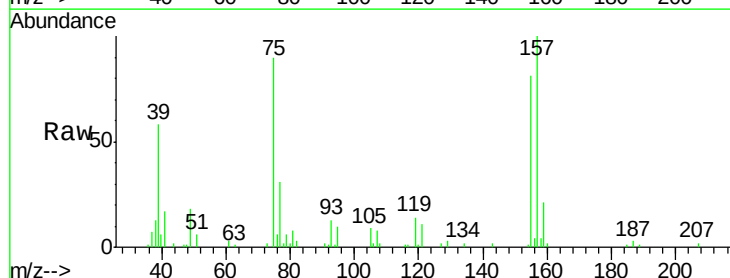
Tgt Ion: 75 Resp: 27754

Ion Ratio Lower Upper

75 100

155 87.2 42.8 128.3

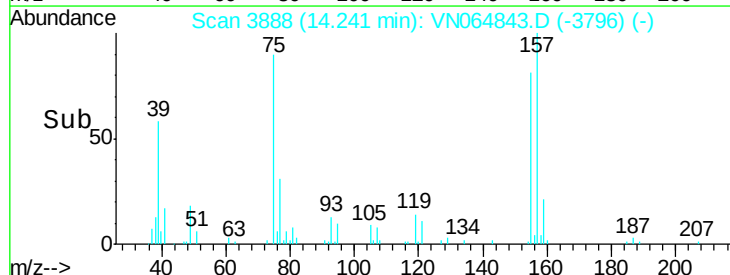
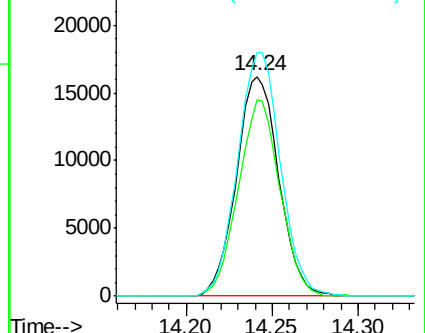
157 112.2 56.4 169.1

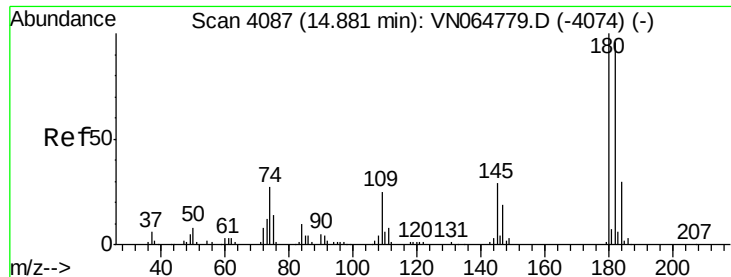


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

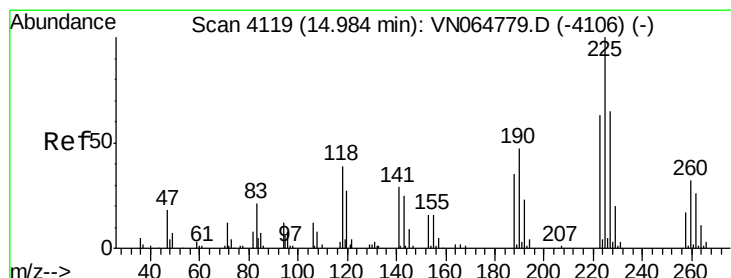
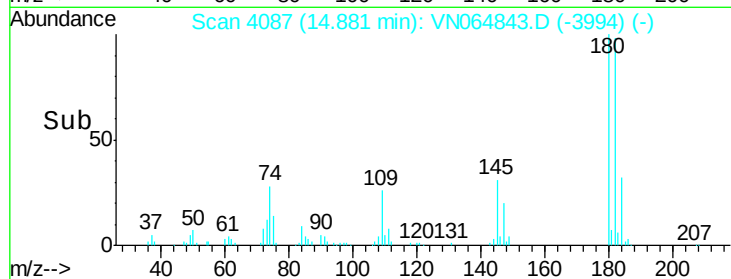
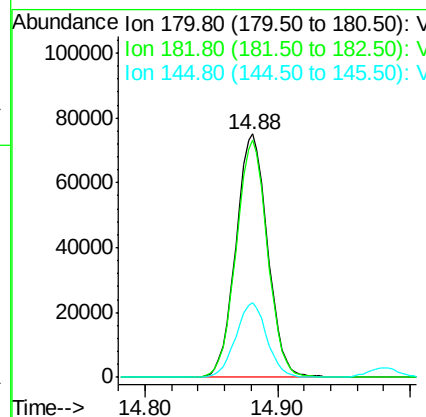
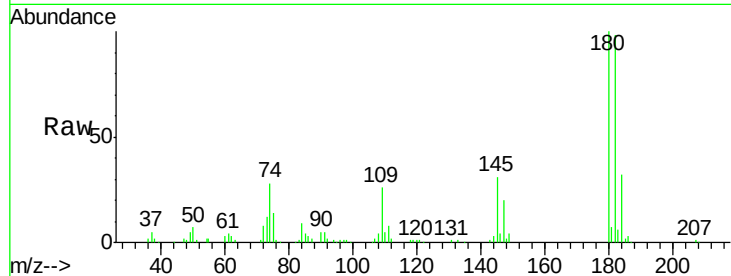




#93
 1,2,4-Trichlorobenzene
 Concen: 46.774 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

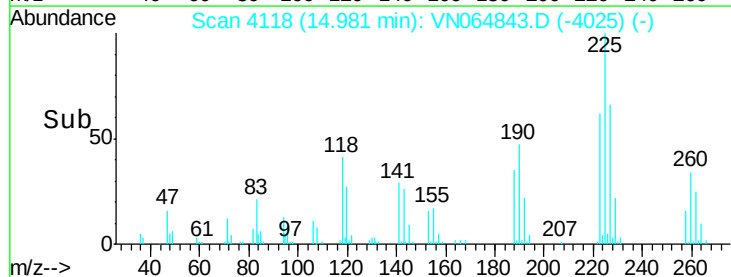
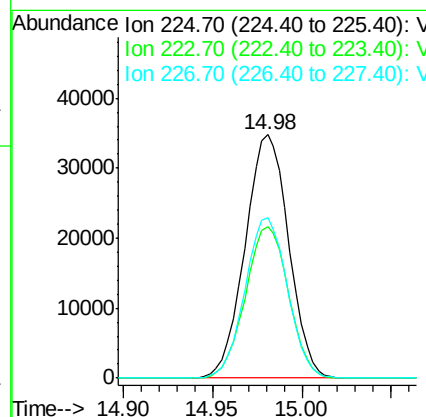
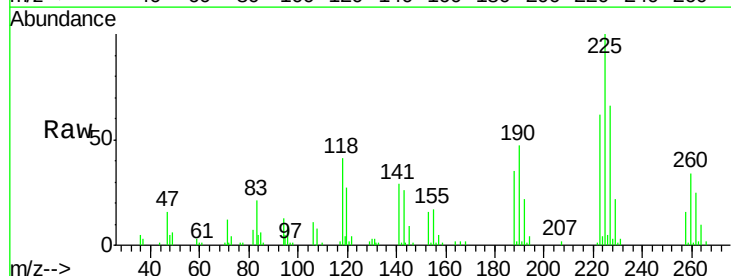
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

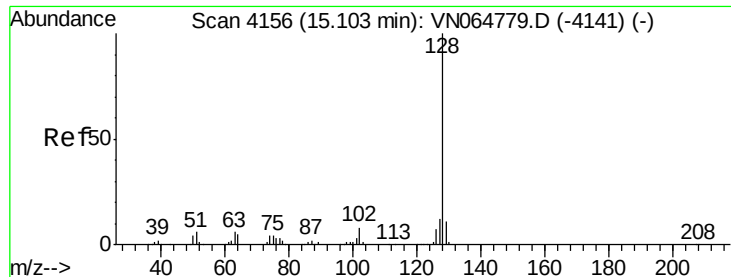
Tot Ion:180 Resp: 124158
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.6 142.9
 145 30.3 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 49.478 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064843.D
 Acq: 25 Nov 2020 5:07

Tgt Ion:225 Resp: 59138
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.0 93.0
 227 64.1 32.0 96.0





#95

Naphthalene

Concen: 48.926 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

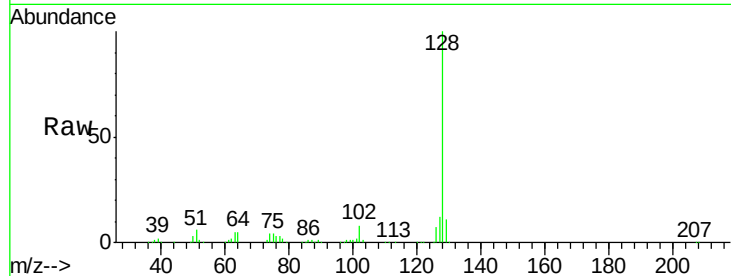
Tot Ion:128 Resp: 389076

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

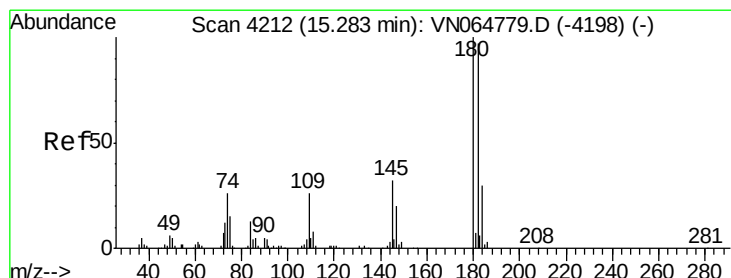
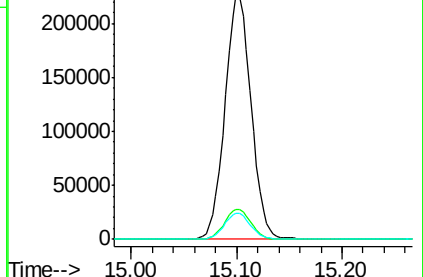
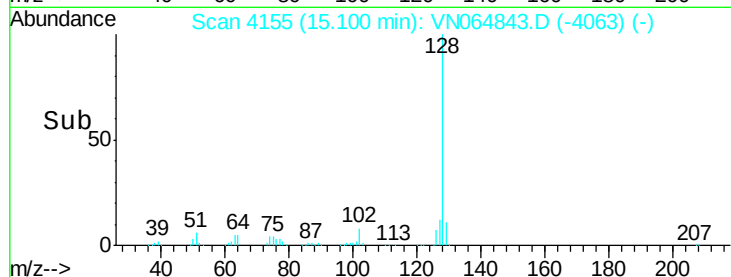
129 10.7 8.7 13.1



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: 48.392 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064843.D

Acq: 25 Nov 2020 5:07

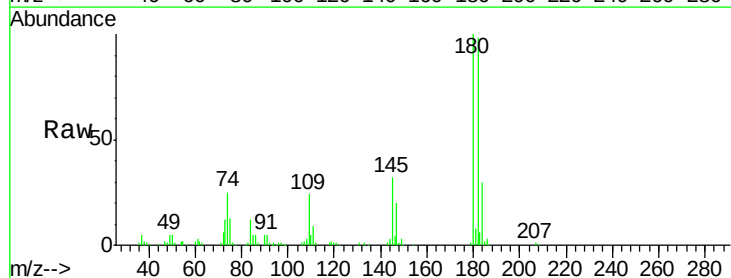
Tgt Ion:180 Resp: 121955

Ion Ratio Lower Upper

180 100

182 96.6 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

