

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074243.D
 Acq On : 01 Sep 2022 15:30
 Operator : JC\MD
 Sample : N4446-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 02 05:39:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

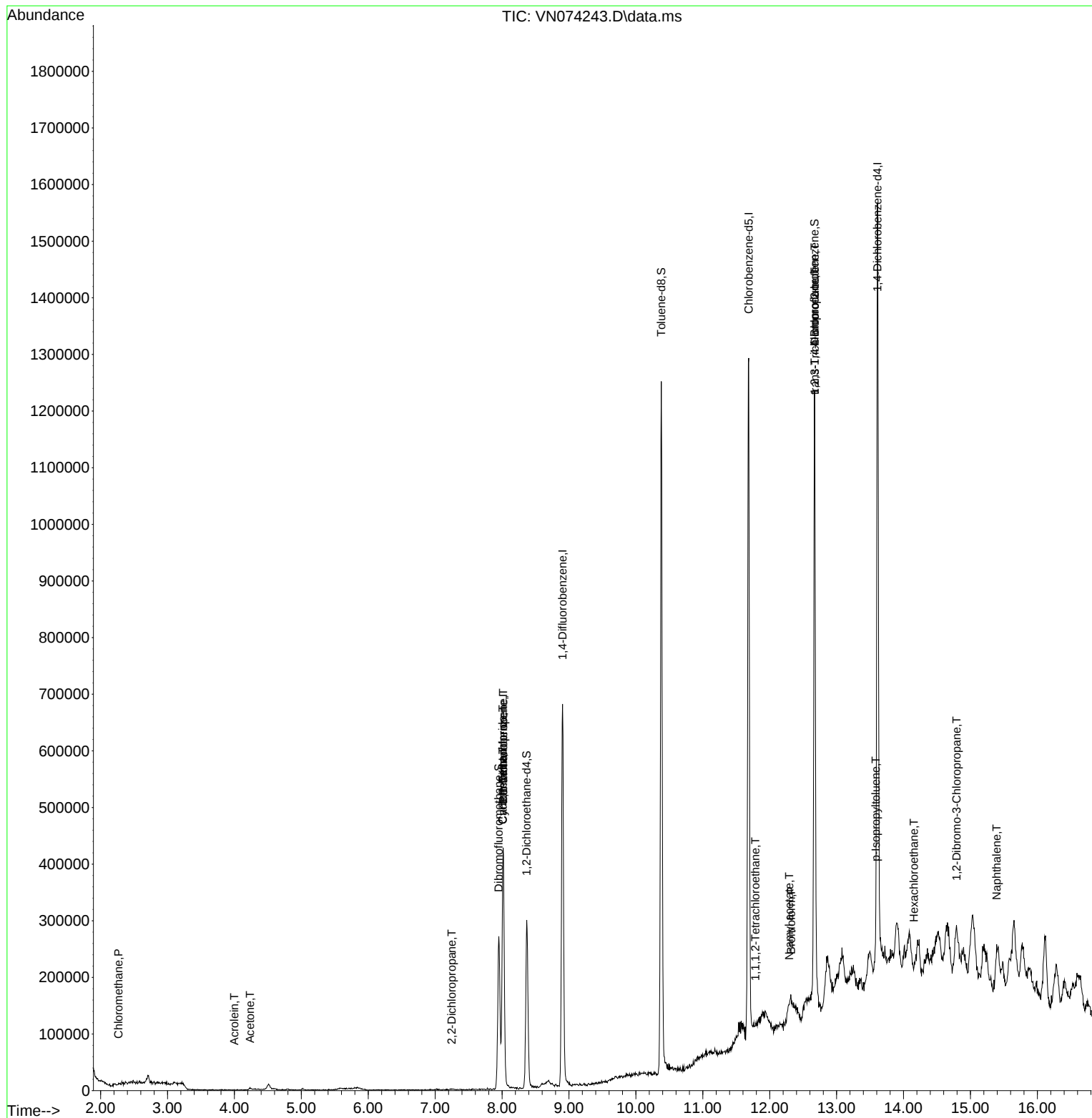
Internal Standards						
1) Pentafluorobenzene	8.016	168	308477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	578347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	674459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	342546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	234168	48.935	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.880%
35) Dibromofluoromethane	7.951	113	189466	50.344	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.680%
50) Toluene-d8	10.380	98	786600	53.074	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.140%
62) 4-Bromofluorobenzene	12.668	95	349622	77.571	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	155.140%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	2152	0.479	ug/l #	87
6) Chloroethane	2.951	64	885	Below Cal		92
11) Tert butyl alcohol	5.204	59	120	Below Cal	#	72
13) Acrolein	3.998	56	222	0.210	ug/l #	46
16) Acetone	4.234	43	5549	1.735	ug/l #	79
18) Methyl Acetate	4.793	43	3915	Below Cal	#	58
20) Methylene Chloride	5.022	84	1705	Below Cal	#	74
26) 2,2-Dichloropropane	7.245	77	82	0.283	ug/l #	53
31) Cyclohexane	8.010	56	9026	1.142	ug/l #	58
36) 1,1-Dichloropropene	8.016	75	28226	4.622	ug/l #	47
38) Carbon Tetrachloride	8.010	117	33444	6.031	ug/l #	16
66) 1,1,1,2-Tetrachloroethane	11.786	131	1130	0.209	ug/l #	8
71) Bromoform	12.321	173	6089	1.333	ug/l #	28
74) N-amyl acetate	12.292	43	3795	0.229	ug/l #	63
76) 1,2,3-Trichloropropane	12.674	75	183680	21.275	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	183680	55.658	ug/l #	12
86) p-Isopropyltoluene	13.586	119	9786	0.439	ug/l #	1
90) Hexachloroethane	14.157	117	1151	0.251	ug/l	63
92) 1,2-Dibromo-3-Chloropr...	14.792	75	994	0.409	ug/l	79
95) Naphthalene	15.392	128	12298	1.613	ug/l #	47

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

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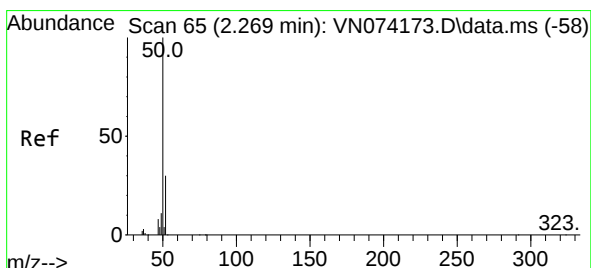
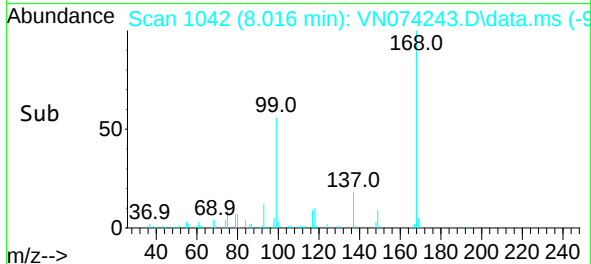
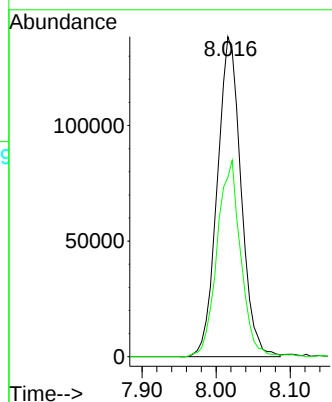
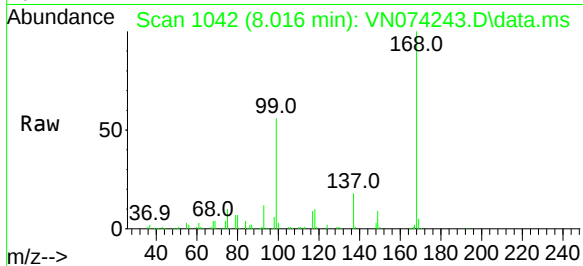




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30

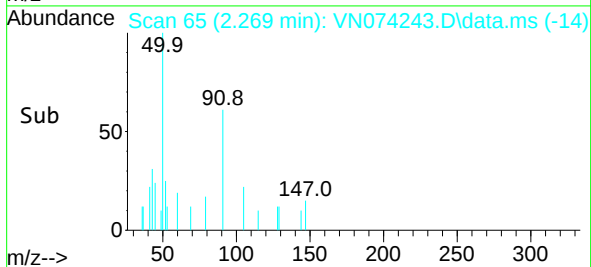
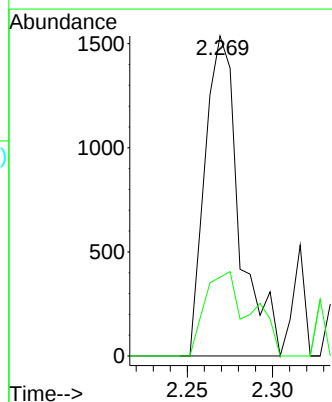
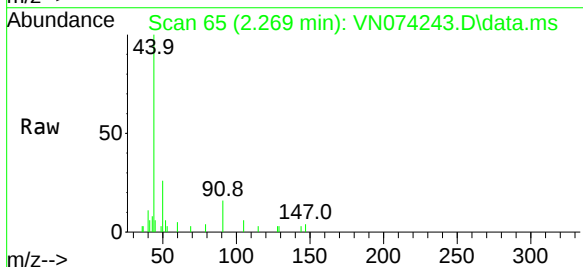
Instrument :
MSVOA_N
ClientSampleId :

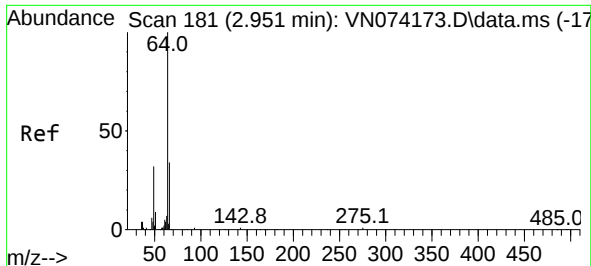
Tgt Ion:168 Resp: 308477
Ion Ratio Lower Upper
168 100
99 56.0 42.3 63.5



#3
Chloromethane
Concen: 0.479 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30

Tgt Ion: 50 Resp: 2152
Ion Ratio Lower Upper
50 100
52 24.6 25.7 38.5#

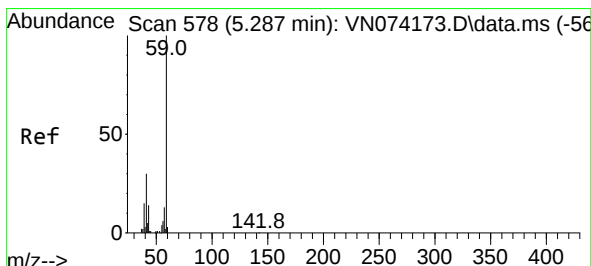
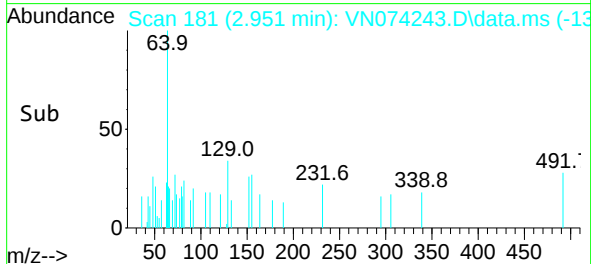
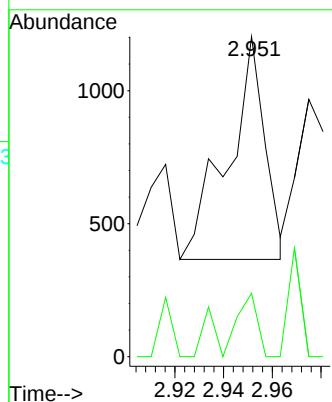
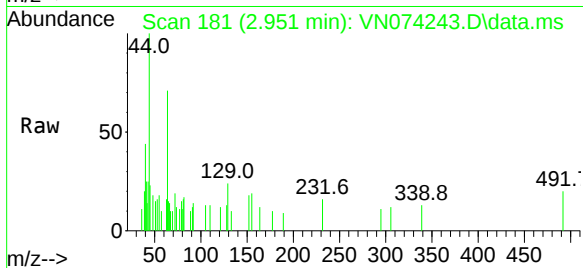




#6
Chloroethane
Concen: Below Cal
RT: 2.951 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30

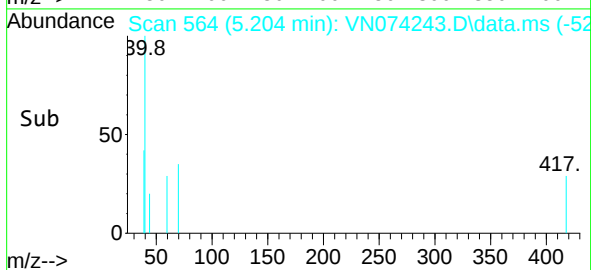
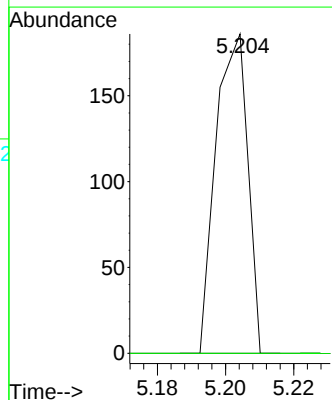
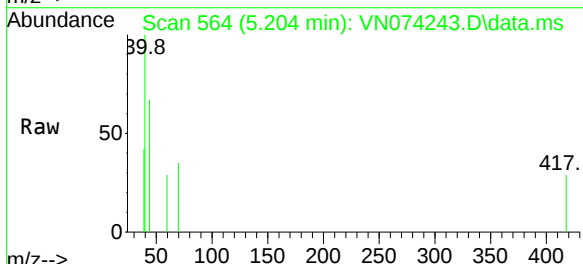
Instrument :
MSVOA_N
ClientSampleId :

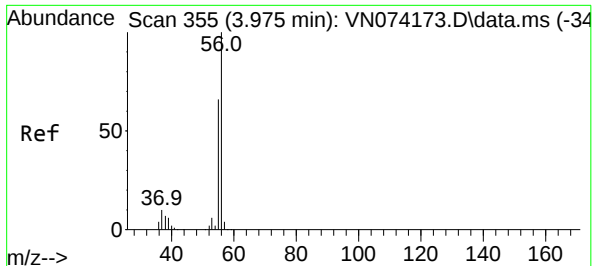
Tgt Ion: 64 Resp: 885
Ion Ratio Lower Upper
64 100
66 28.4 26.2 39.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.204 min Scan# 564
Delta R.T. -0.083 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30

Tgt Ion: 59 Resp: 120
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

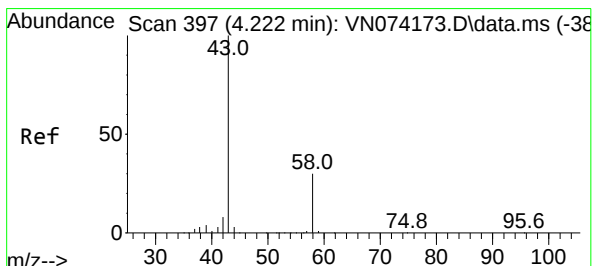
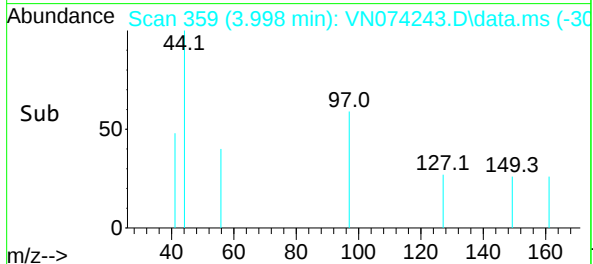
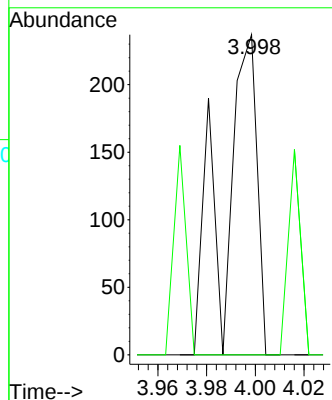
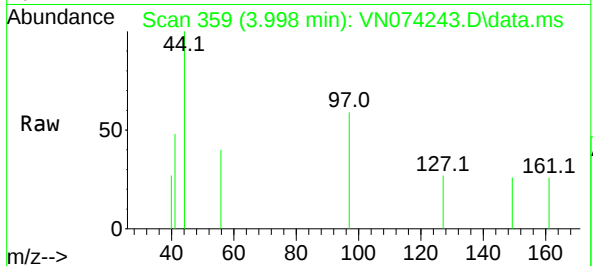




#13
Acrolein
Concen: 0.210 ug/l
RT: 3.998 min Scan# 31
Delta R.T. 0.023 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30

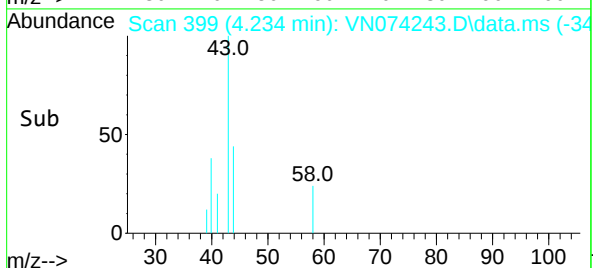
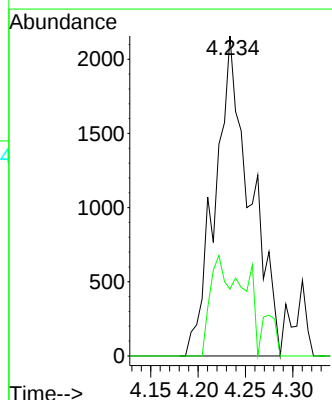
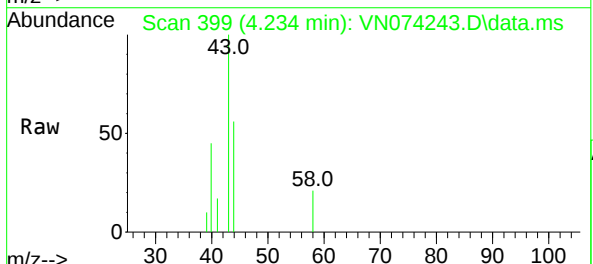
Instrument :
MSVOA_N
ClientSampleId :

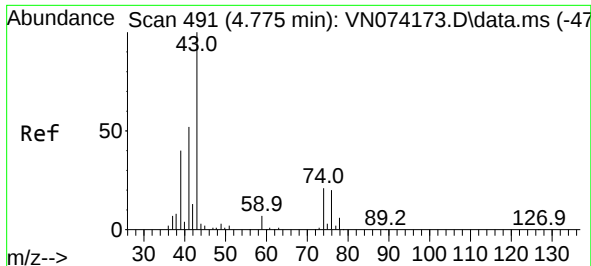
Tgt Ion: 56 Resp: 222
Ion Ratio Lower Upper
56 100
55 24.3 54.8 82.2#



#16
Acetone
Concen: 1.735 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30

Tgt Ion: 43 Resp: 5549
Ion Ratio Lower Upper
43 100
58 20.9 26.0 39.0#

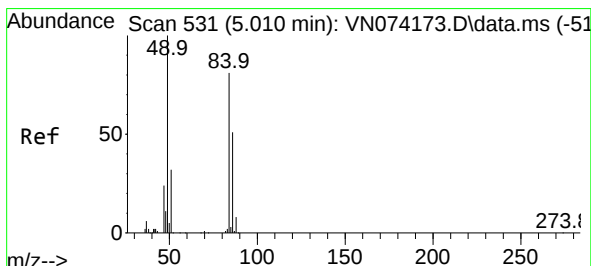
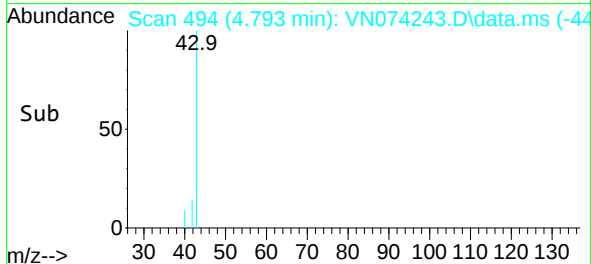
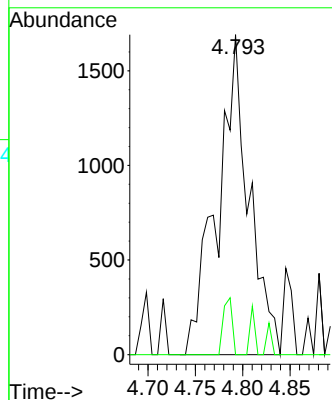
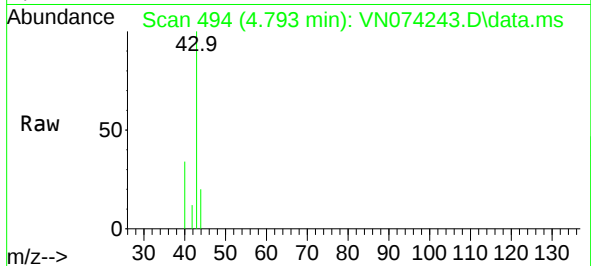




#18
Methyl Acetate
Concen: Below Cal
RT: 4.793 min Scan# 491
Delta R.T. 0.018 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30

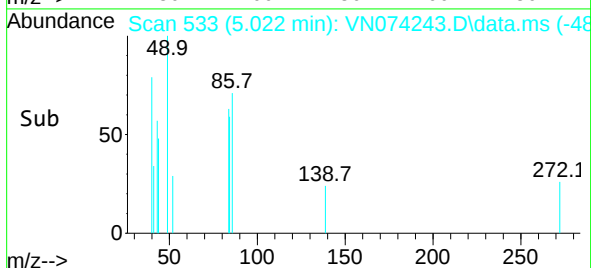
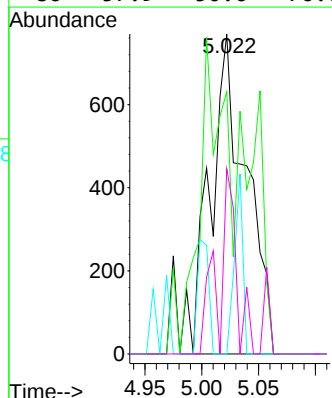
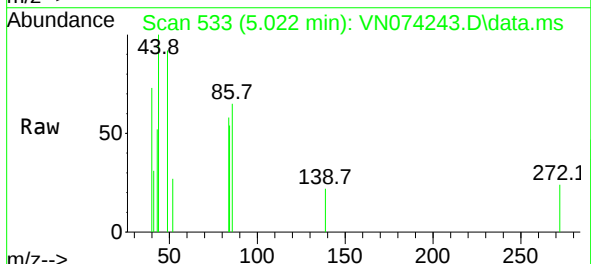
Instrument :
MSVOA_N
ClientSampleId :

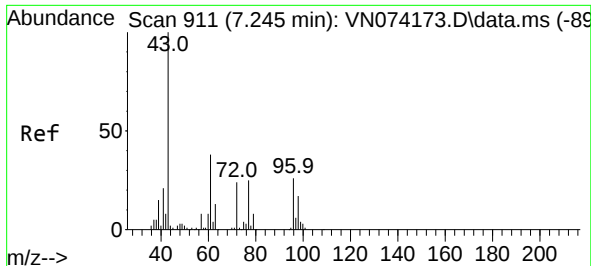
Tgt Ion: 43 Resp: 3915
Ion Ratio Lower Upper
43 100
74 5.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.022 min Scan# 533
Delta R.T. 0.012 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30

Tgt Ion: 84 Resp: 1705
Ion Ratio Lower Upper
84 100
49 81.9 88.3 132.5#
51 0.0 28.2 42.2#
86 57.9 50.6 76.0





#26

2,2-Dichloropropane

Concen: 0.283 ug/l

RT: 7.245 min Scan# 911

Delta R.T. 0.000 min

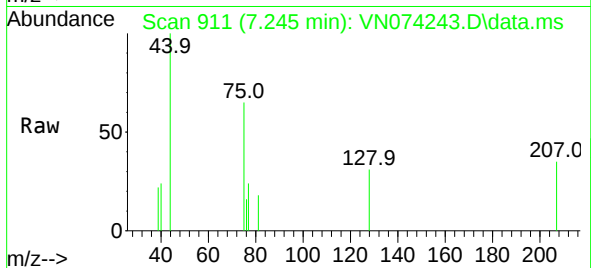
Lab File: VN074243.D

Acq: 01 Sep 2022 15:30

Instrument :

MSVOA_N

ClientSampleId :

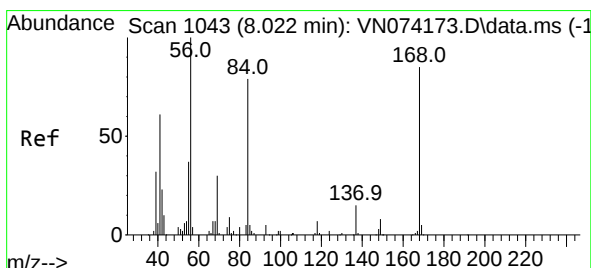
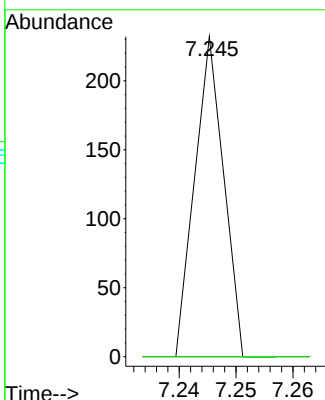
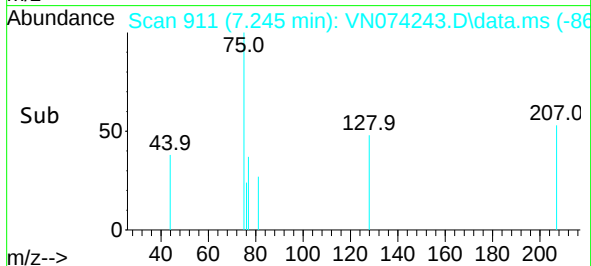


Tgt Ion: 77 Resp: 82

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN074243.D

Acq: 01 Sep 2022 15:30

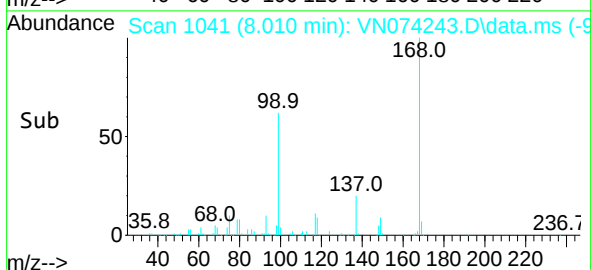
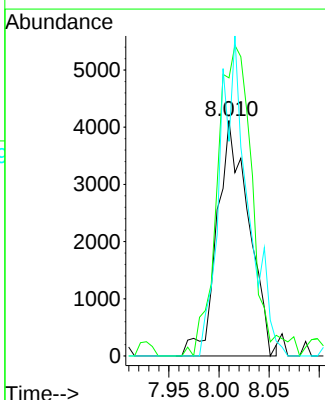
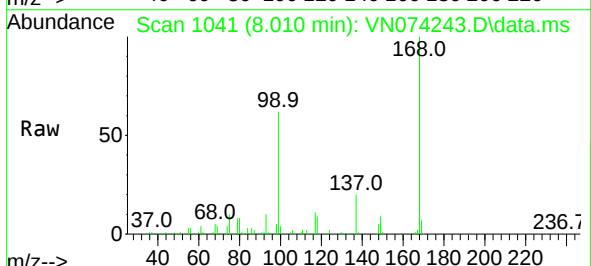
Tgt Ion: 56 Resp: 9026

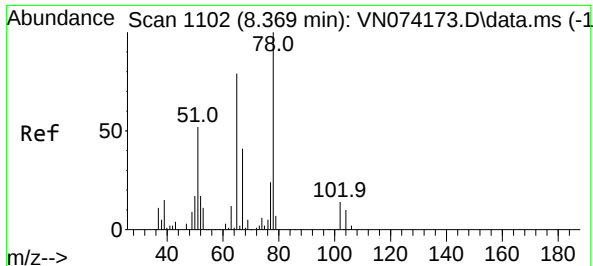
Ion Ratio Lower Upper

56 100

69 118.1 27.8 41.8#

84 91.1 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 48.935 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074243.D

Acq: 01 Sep 2022 15:30

Instrument :

MSVOA_N

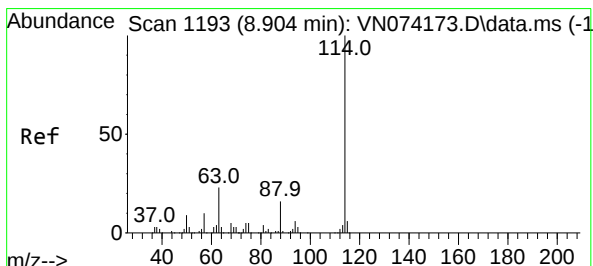
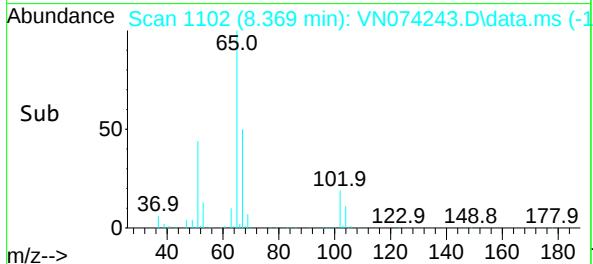
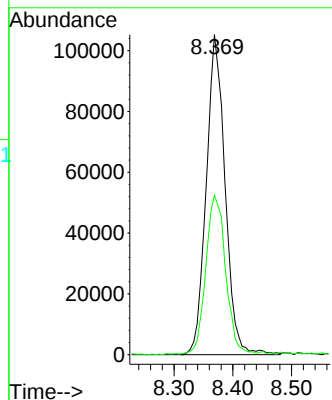
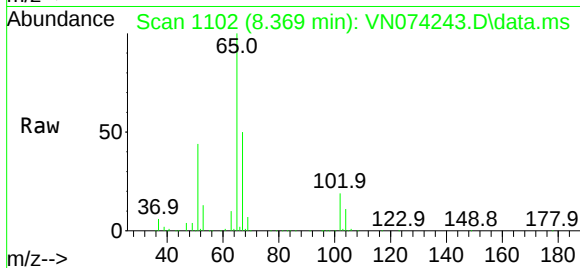
ClientSampleId :

Tgt Ion: 65 Resp: 234168

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074243.D

Acq: 01 Sep 2022 15:30

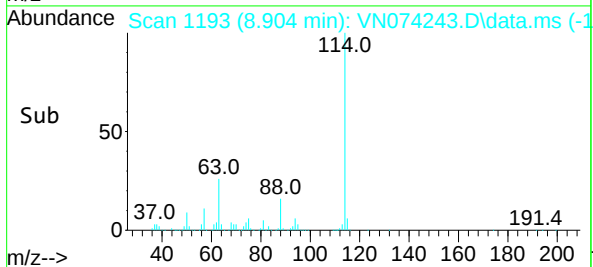
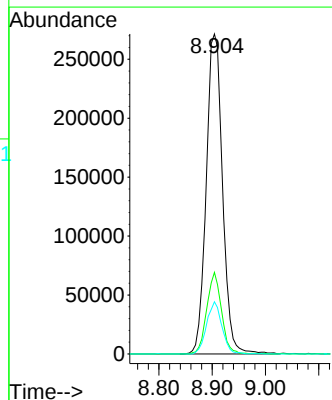
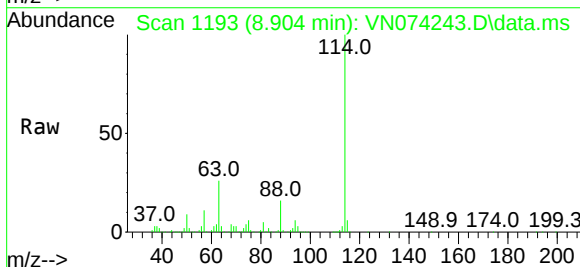
Tgt Ion: 114 Resp: 578347

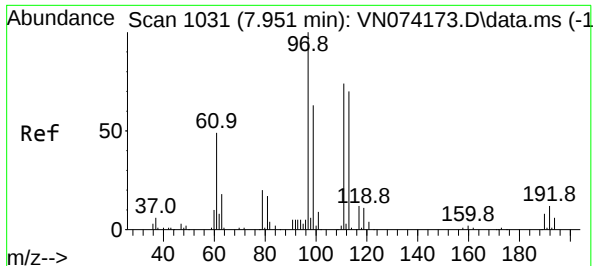
Ion Ratio Lower Upper

114 100

63 25.5 0.0 40.0

88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.344 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. -0.000 min

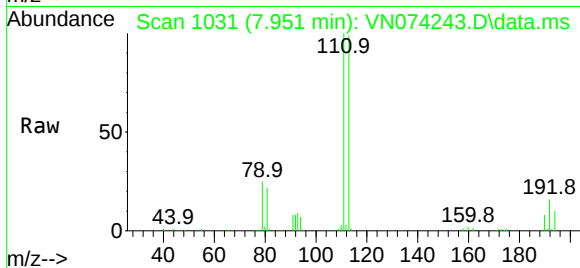
Lab File: VN074243.D

Acq: 01 Sep 2022 15:30

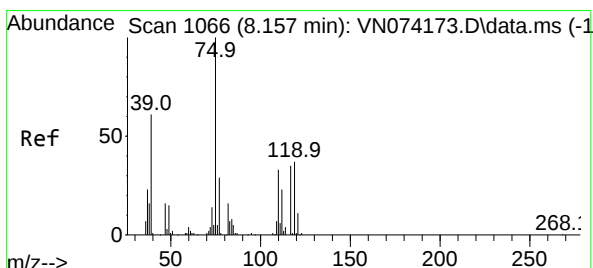
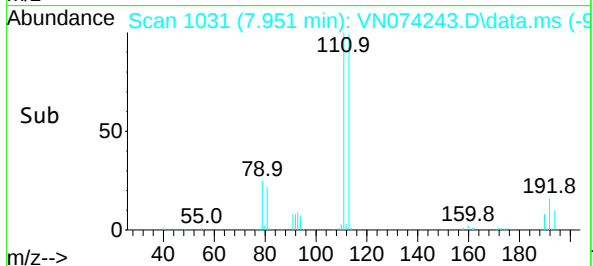
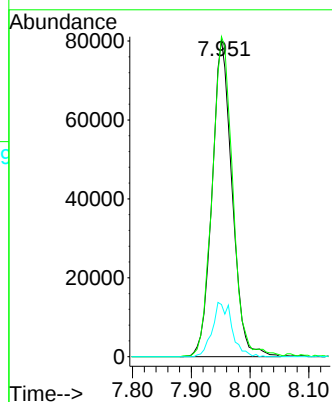
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	113	Resp:	189466
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.4	122.0
192	16.9	17.0	25.6#



#36

1,1-Dichloropropene

Concen: 4.622 ug/l

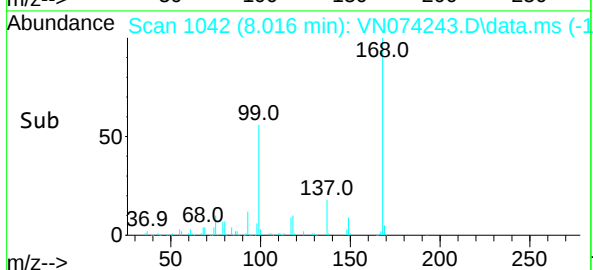
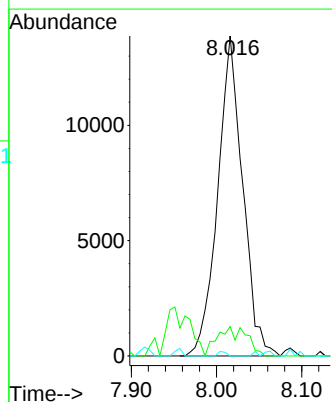
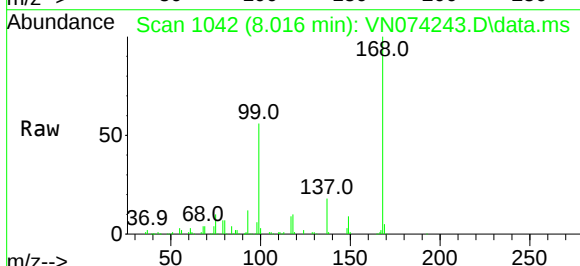
RT: 8.016 min Scan# 1042

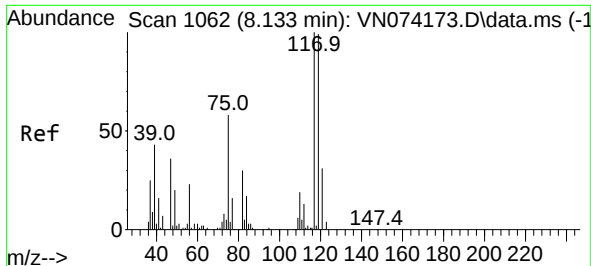
Delta R.T. -0.141 min

Lab File: VN074243.D

Acq: 01 Sep 2022 15:30

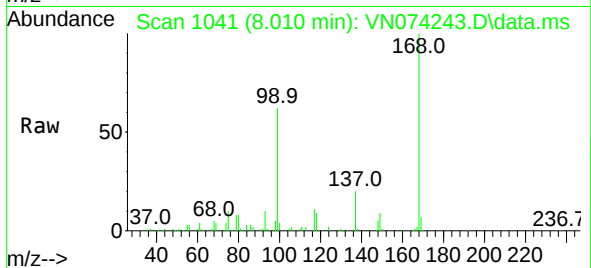
Tgt Ion:	75	Resp:	28226
Ion	Ratio	Lower	Upper
75	100		
110	6.5	18.3	54.8#
77	0.4	25.1	37.7#



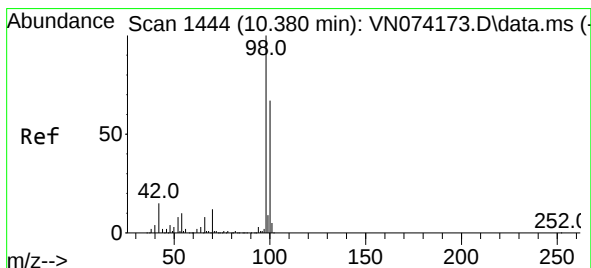
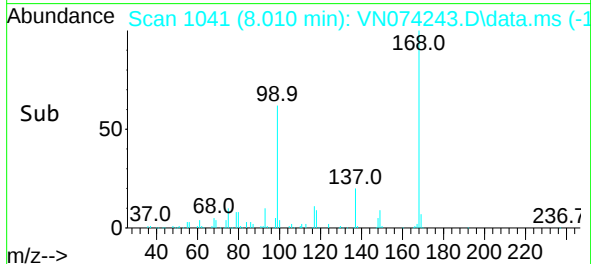
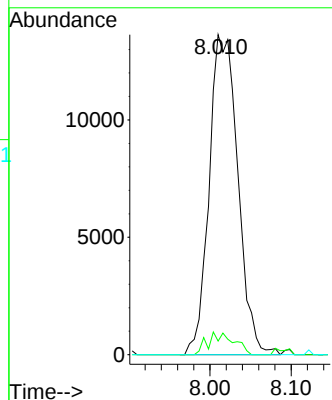


#38
Carbon Tetrachloride
Concen: 6.031 ug/l
RT: 8.010 min Scan# 1062
Delta R.T. -0.123 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30

Instrument :
MSVOA_N
ClientSampleId :

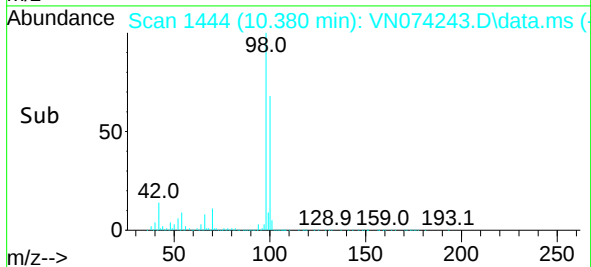
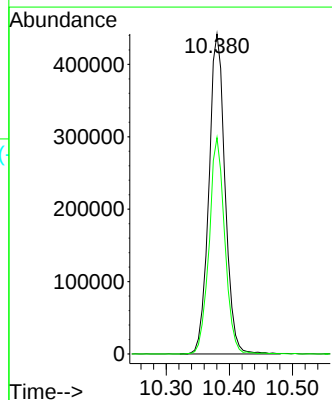
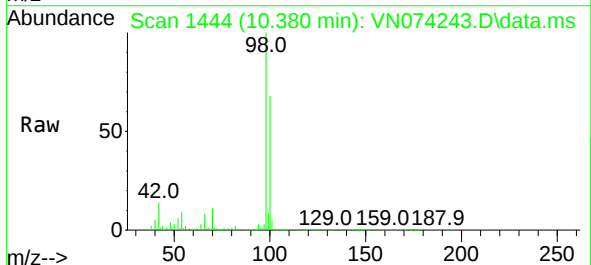


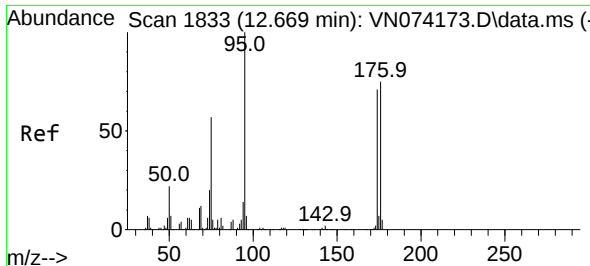
Tgt Ion:117 Resp: 33444
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 53.074 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30

Tgt Ion: 98 Resp: 786600
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8

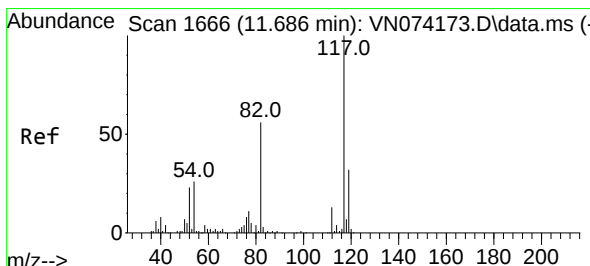
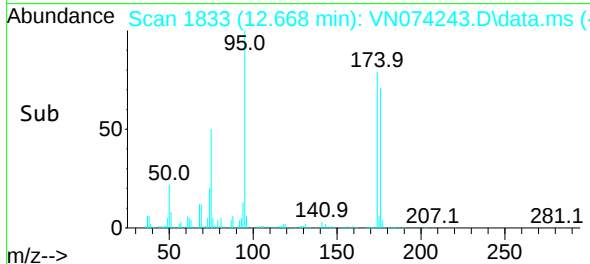
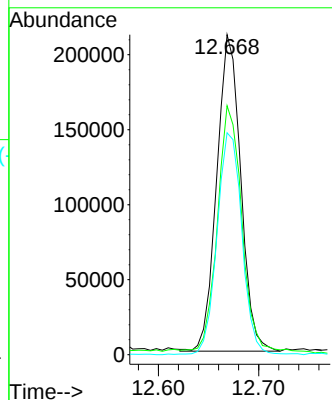
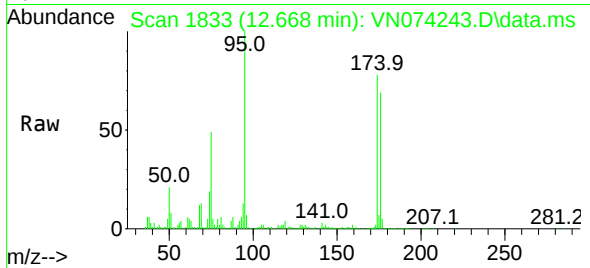




#62
4-Bromofluorobenzene
Concen: 77.571 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30

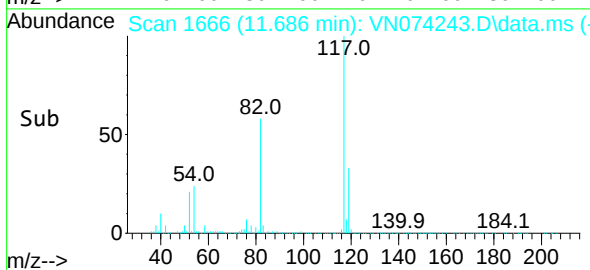
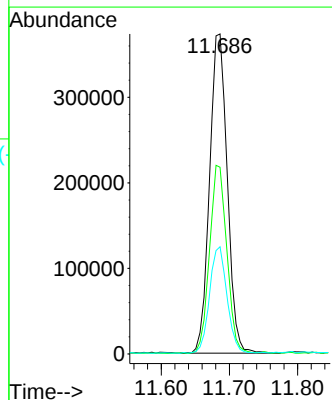
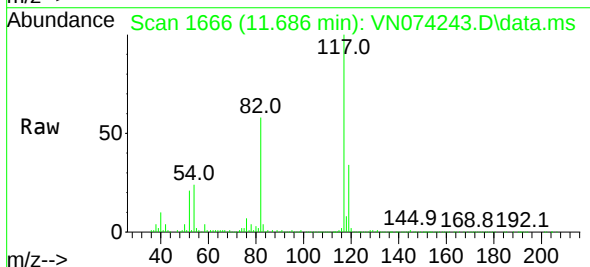
Instrument :
MSVOA_N
ClientSampleId :

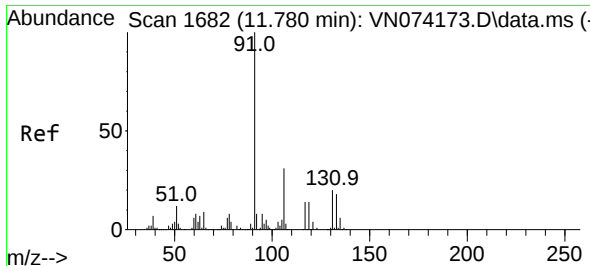
Tgt Ion: 95 Resp: 349622
Ion Ratio Lower Upper
95 100
174 80.8 0.0 167.6
176 72.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30

Tgt Ion: 117 Resp: 674459
Ion Ratio Lower Upper
117 100
82 58.2 44.2 66.2
119 33.4 25.4 38.0

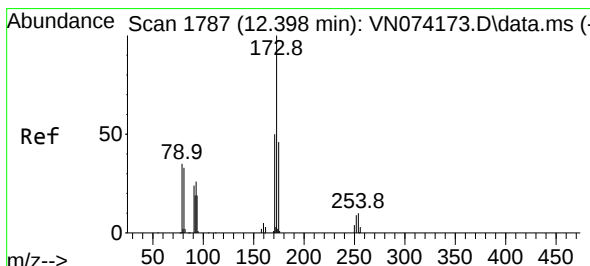
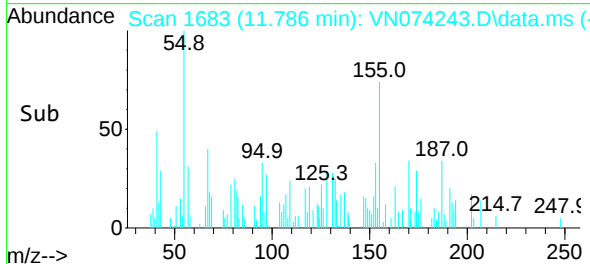
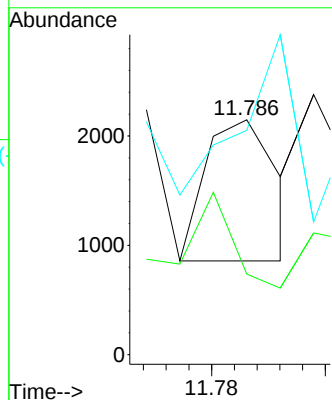
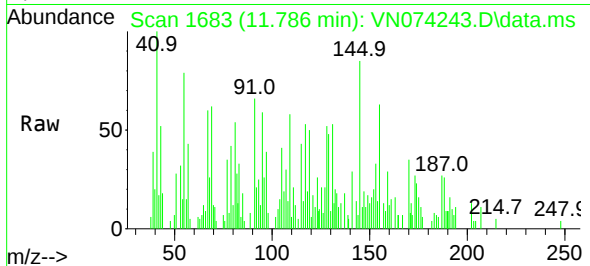




#66
1,1,1,2-Tetrachloroethane
Concen: 0.209 ug/l
RT: 11.786 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30

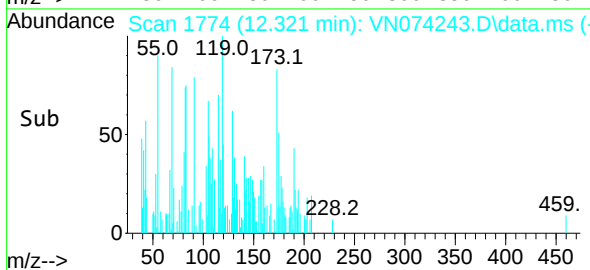
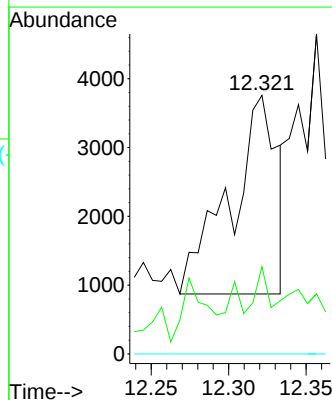
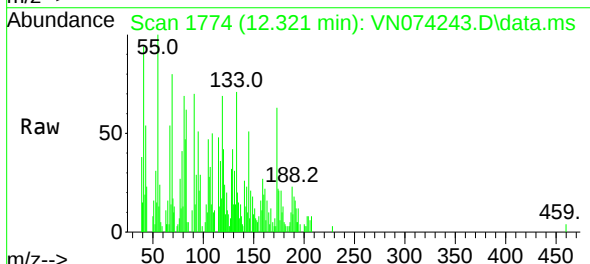
Instrument :
MSVOA_N
ClientSampleId :

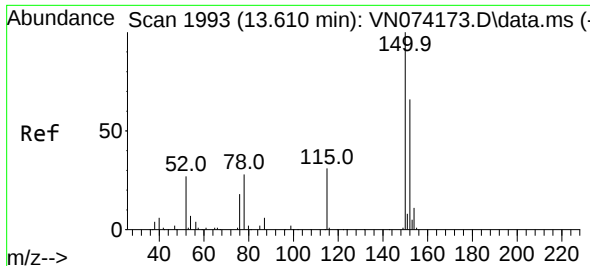
Tgt Ion:131 Resp: 1130
Ion Ratio Lower Upper
131 100
133 0.0 47.8 143.4#
119 0.0 33.4 100.2#



#71
Bromoform
Concen: 1.333 ug/l
RT: 12.321 min Scan# 1774
Delta R.T. -0.076 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30

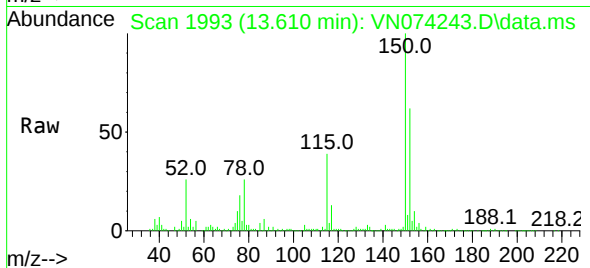
Tgt Ion:173 Resp: 6089
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



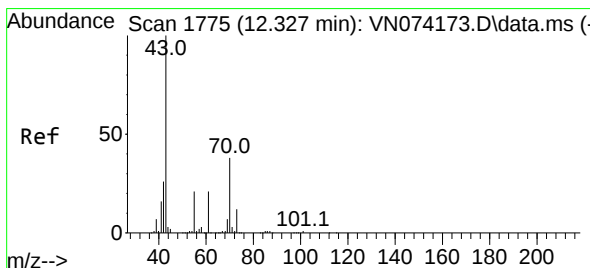
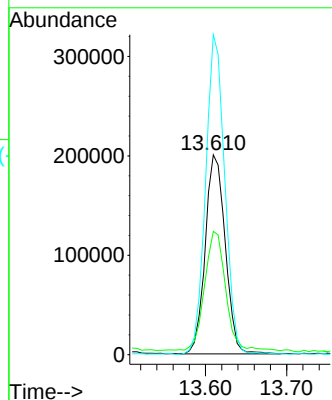
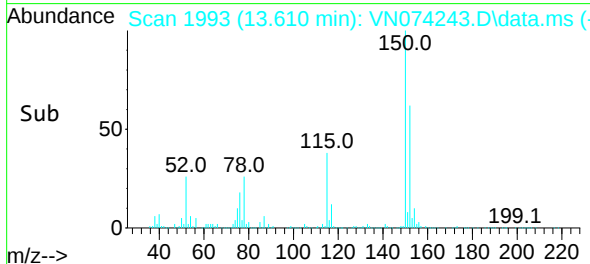


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30

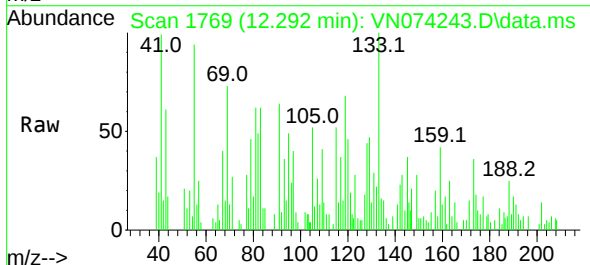
Instrument :
MSVOA_N
ClientSampleId :



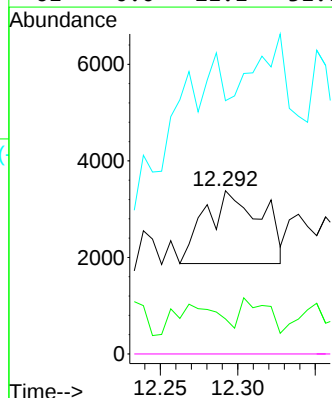
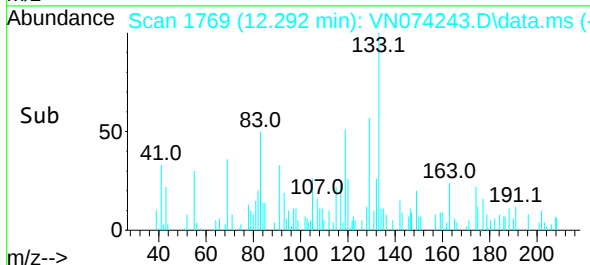
Tgt Ion:152 Resp: 342546
Ion Ratio Lower Upper
152 100
115 65.7 28.9 86.7
150 153.8 0.0 356.2

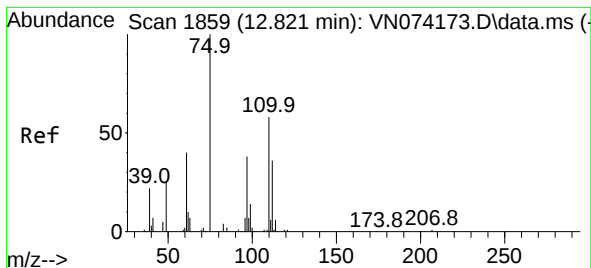


#74
N-ethyl acetate
Concen: 0.229 ug/l
RT: 12.292 min Scan# 1769
Delta R.T. -0.035 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30



Tgt Ion: 43 Resp: 3795
Ion Ratio Lower Upper
43 100
70 33.6 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#





#76

1,2,3-Trichloropropane

Concen: 21.275 ug/l

RT: 12.674 min Scan# 1834

Delta R.T. -0.147 min

Lab File: VN074243.D

Acq: 01 Sep 2022 15:30

Instrument :

MSVOA_N

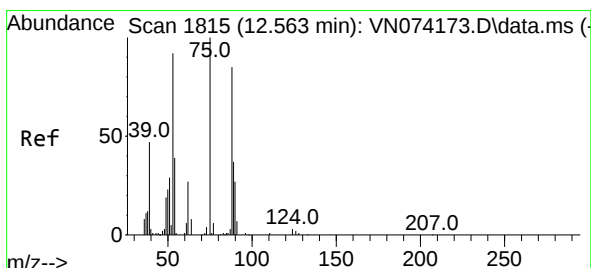
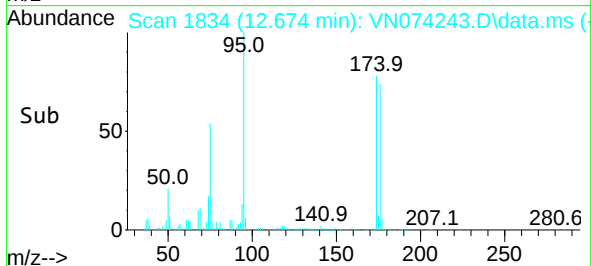
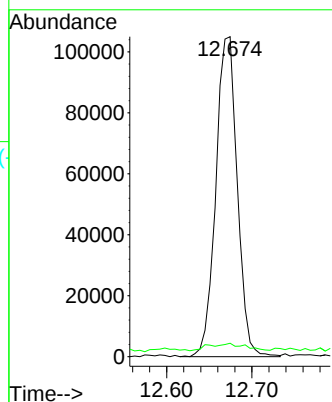
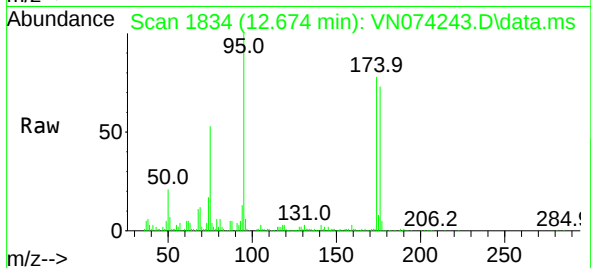
ClientSampleId :

Tgt Ion: 75 Resp: 183680

Ion Ratio Lower Upper

75 100

77 2.4 98.5 295.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.658 ug/l

RT: 12.674 min Scan# 1834

Delta R.T. 0.112 min

Lab File: VN074243.D

Acq: 01 Sep 2022 15:30

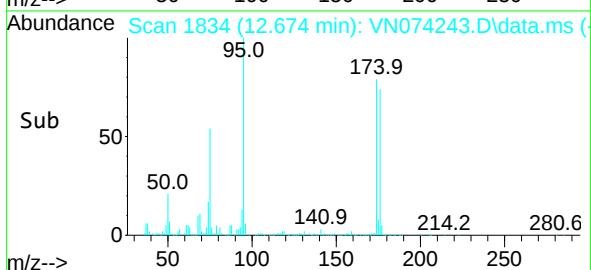
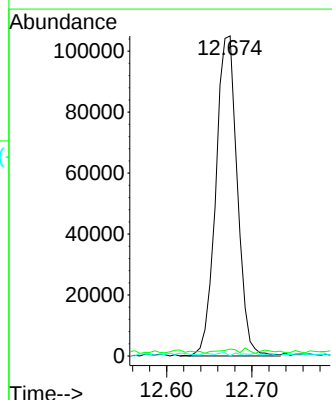
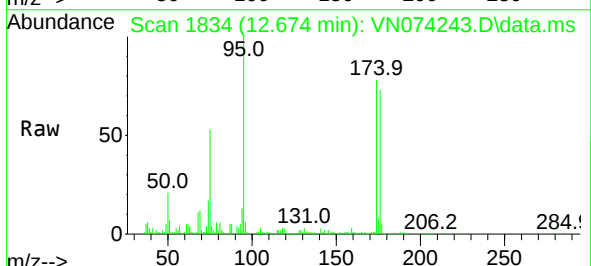
Tgt Ion: 75 Resp: 183680

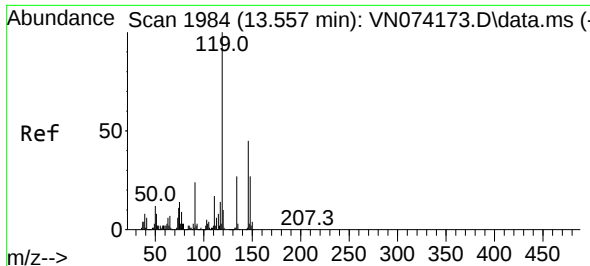
Ion Ratio Lower Upper

75 100

53 1.1 78.0 117.0#

89 0.9 37.2 55.8#

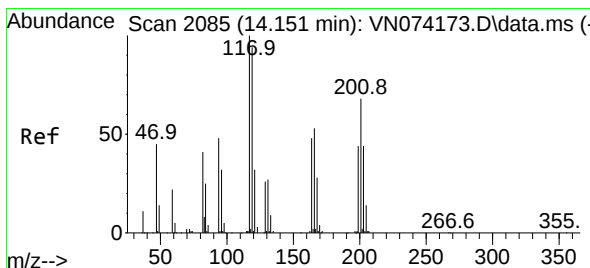
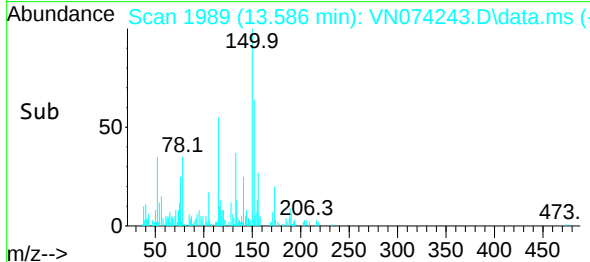
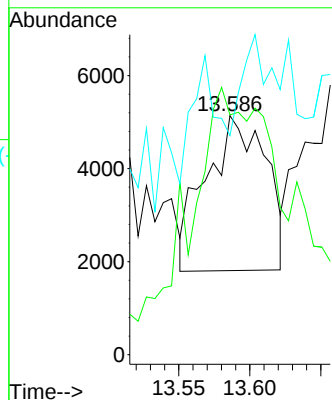
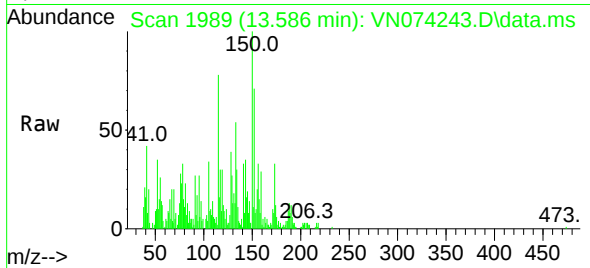




#86
p-Isopropyltoluene
Concen: 0.439 ug/l
RT: 13.586 min Scan# 1989
Delta R.T. 0.029 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30

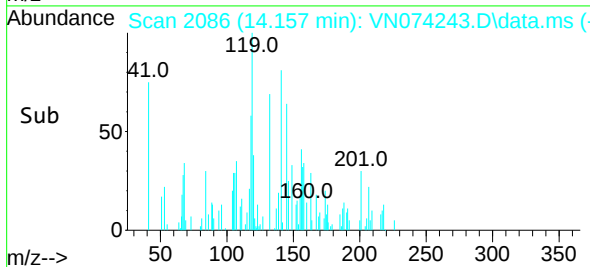
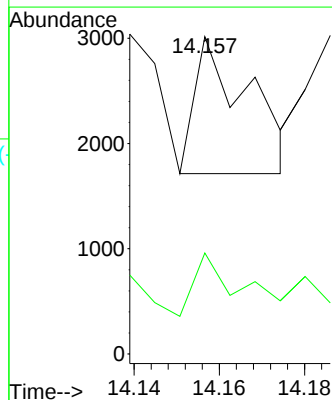
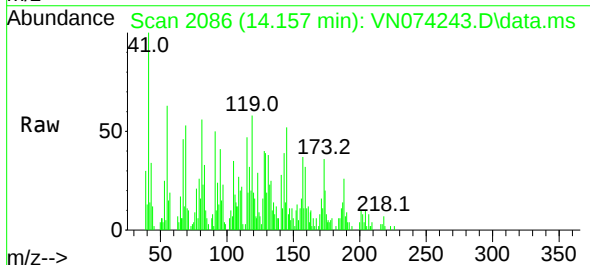
Instrument :
MSVOA_N
ClientSampleId :

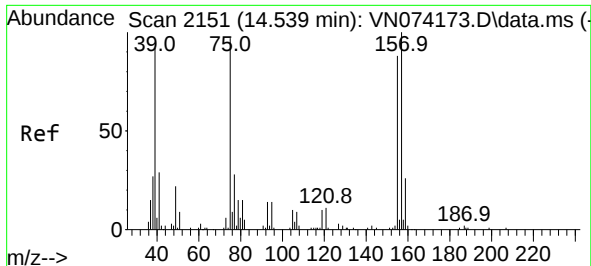
Tgt Ion:119 Resp: 9786
Ion Ratio Lower Upper
119 100
134 204.7 13.3 39.8#
91 62.7 11.3 33.9#



#90
Hexachloroethane
Concen: 0.251 ug/l
RT: 14.157 min Scan# 2086
Delta R.T. 0.006 min
Lab File: VN074243.D
Acq: 01 Sep 2022 15:30

Tgt Ion:117 Resp: 1151
Ion Ratio Lower Upper
117 100
201 113.9 40.6 122.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.409 ug/l

RT: 14.792 min Scan# 2151

Delta R.T. 0.253 min

Lab File: VN074243.D

Acq: 01 Sep 2022 15:30

Instrument :

MSVOA_N

ClientSampleId :

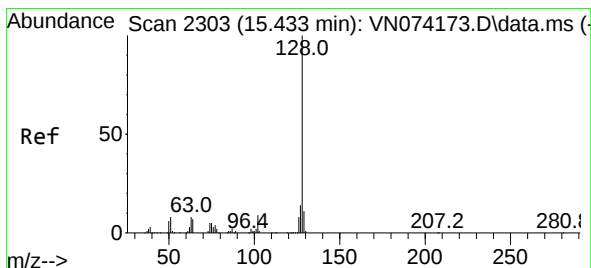
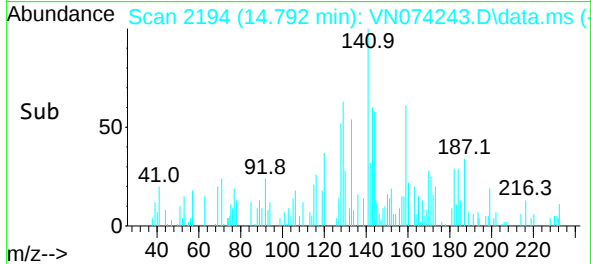
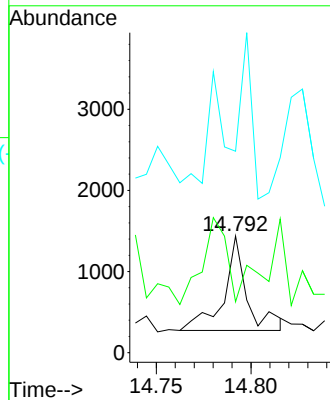
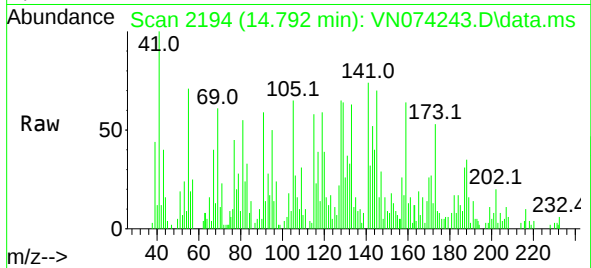
Tgt Ion: 75 Resp: 994

Ion Ratio Lower Upper

75 100

155 95.4 44.9 134.5

157 81.8 59.0 176.8



#95

Naphthalene

Concen: 1.613 ug/l

RT: 15.392 min Scan# 2296

Delta R.T. -0.041 min

Lab File: VN074243.D

Acq: 01 Sep 2022 15:30

Tgt Ion: 128 Resp: 12298

Ion Ratio Lower Upper

128 100

127 32.4 10.3 15.5#

129 32.3 8.6 13.0#

