

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062822\
 Data File : VN073227.D
 Acq On : 29 Jun 2022 03:31
 Operator : JC\MD
 Sample : N3409-0920X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 220615003-01-VOA

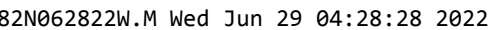
Quant Time: Jun 29 04:28:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

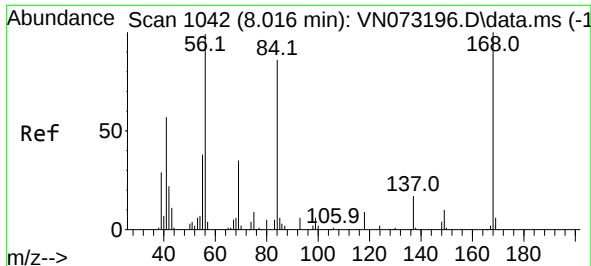
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.016	168	324333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	529957	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	504737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	252638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	206003	43.998	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.000%		
35) Dibromofluoromethane	7.951	113	171834	48.735	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.480%		
50) Toluene-d8	10.381	98	567362	45.307	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.620%		
62) 4-Bromofluorobenzene	12.669	95	254901	52.967	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.940%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.363	142	92	3.752	ug/l #	44
11) Tert butyl alcohol	5.281	59	1716039	1512.974	ug/l	100
14) Allyl chloride	4.722	41	13590	1.690	ug/l #	42
15) Acrylonitrile	5.275	53	16865	5.776	ug/l #	24
16) Acetone	4.228	43	33223	12.641	ug/l	98
17) Carbon Disulfide	4.481	76	5030	0.508	ug/l	99
25) 2-Butanone	7.240	43	73040	17.456	ug/l #	68
26) 2,2-Dichloropropane	7.234	77	80804	11.249	ug/l #	53
29) Tetrahydrofuran	7.610	42	252545	88.146	ug/l	89
31) Cyclohexane	8.010	56	7782	1.015	ug/l #	38
36) 1,1-Dichloropropene	8.016	75	27069	4.989	ug/l #	50
37) Ethyl Acetate	7.240	43	73040	8.910	ug/l #	15
38) Carbon Tetrachloride	8.016	117	33367	5.947	ug/l #	15
41) Methacrylonitrile	7.604	41	143595	36.119	ug/l #	35
43) Isopropyl Acetate	8.457	43	10201	0.866	ug/l #	78
49) 1,4-Dioxane	9.510	88	4729	45.667	ug/l #	87
51) 4-Methyl-2-Pentanone	10.269	43	13162	1.762	ug/l #	72
52) Toluene	10.439	92	7158	0.692	ug/l	95
59) 2-Hexanone	11.022	43	1575	0.277	ug/l	66
68) m/p-Xylenes	11.886	106	3315	0.424	ug/l	94
71) Bromoform	12.663	173	1417	0.461	ug/l #	28
76) 1,2,3-Trichloropropane	12.669	75	137338	20.790	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	137338	57.016	ug/l #	10
95) Naphthalene	15.433	128	10376	0.533	ug/l	96

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

Quant Time: Jun 29 04:28:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration

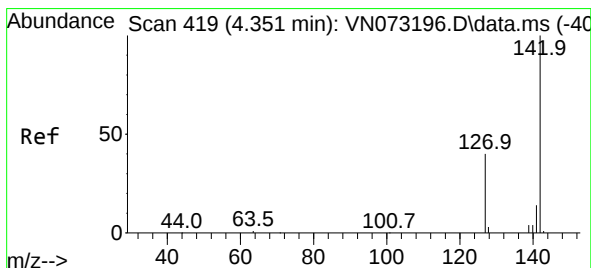
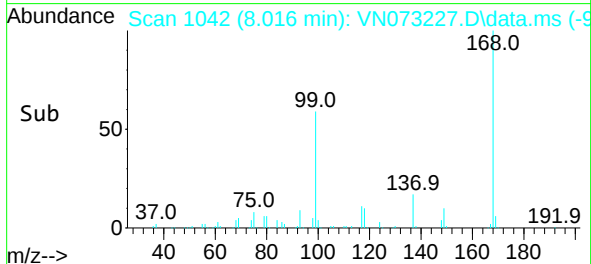
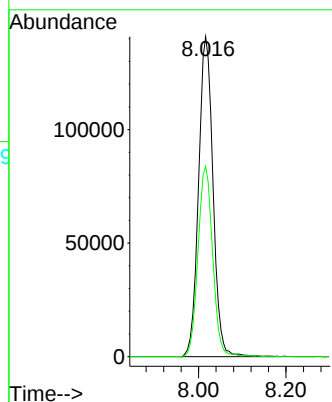
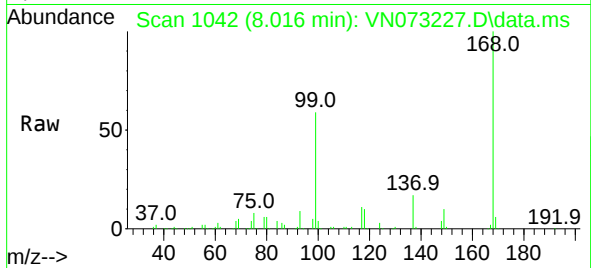




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

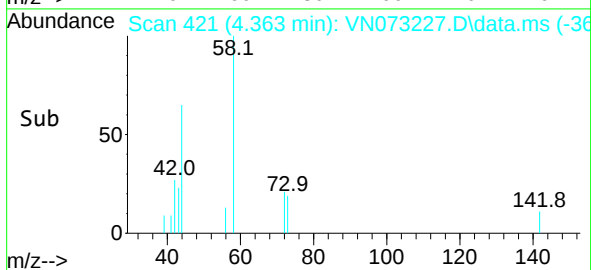
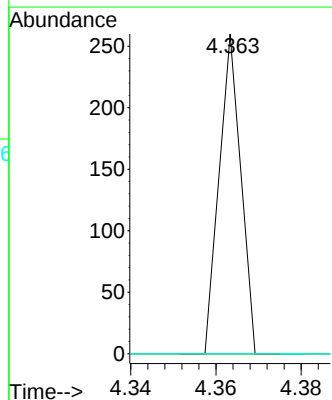
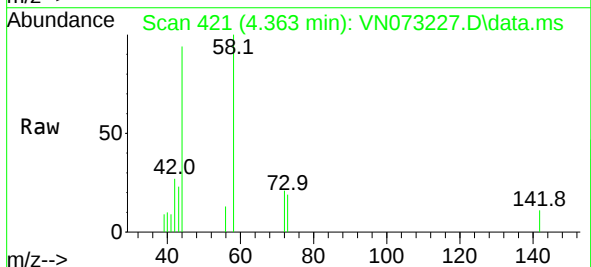
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOA

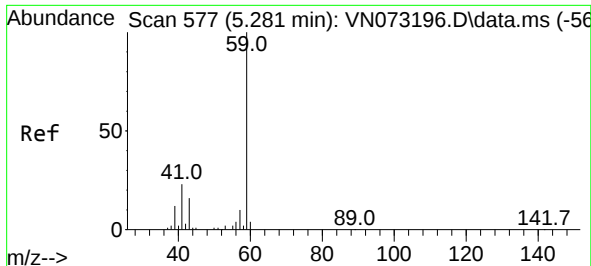
Tgt Ion:168 Resp: 324333
Ion Ratio Lower Upper
168 100
99 59.4 42.3 63.5



#10
Methyl Iodide
Concen: 3.752 ug/l
RT: 4.363 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

Tgt Ion:142 Resp: 92
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#

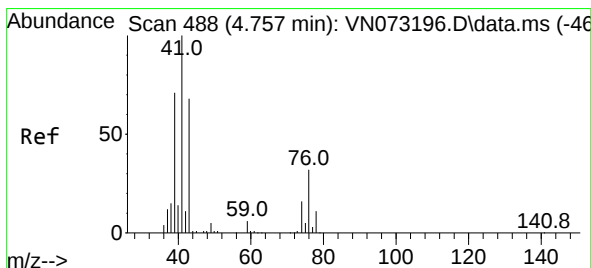
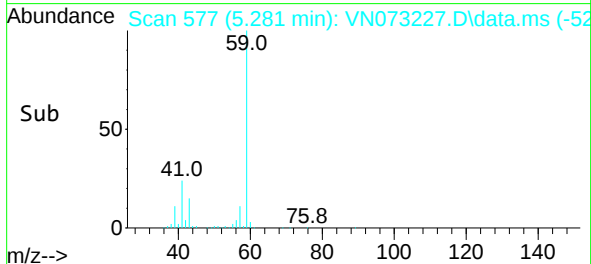
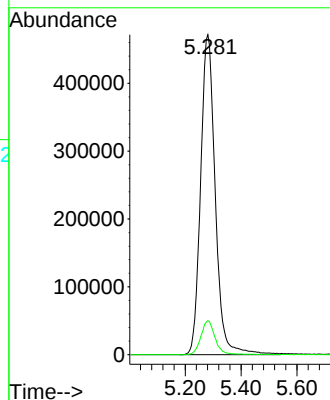
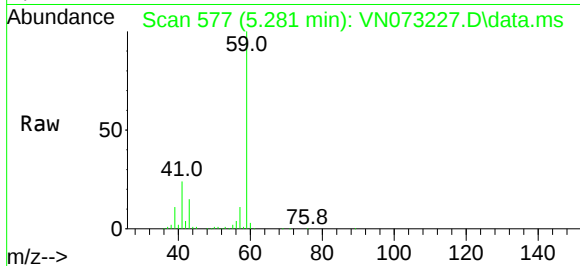




#11
Tert butyl alcohol
Concen: 1512.974 ug/l
RT: 5.281 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

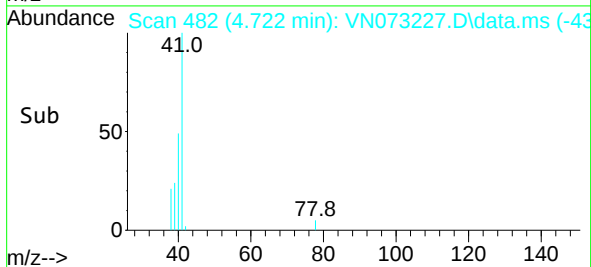
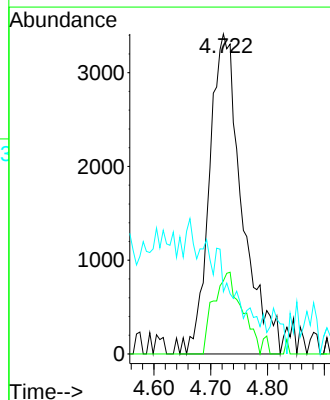
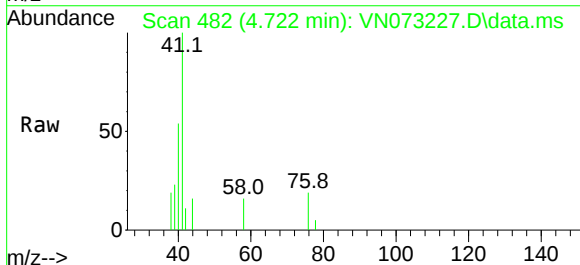
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOA

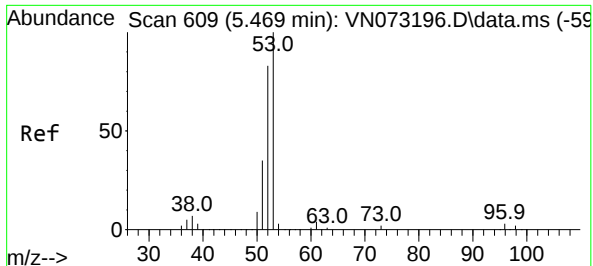
Tgt Ion: 59 Resp: 1716039
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5



#14
Allyl chloride
Concen: 1.690 ug/l
RT: 4.722 min Scan# 482
Delta R.T. -0.035 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

Tgt Ion: 41 Resp: 13590
Ion Ratio Lower Upper
41 100
39 22.0 53.2 79.8#
76 0.0 29.9 44.9#

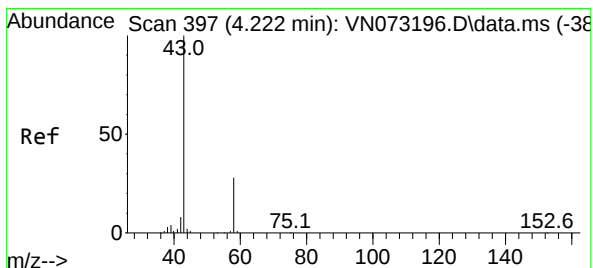
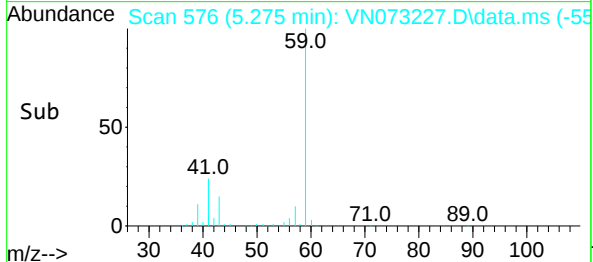
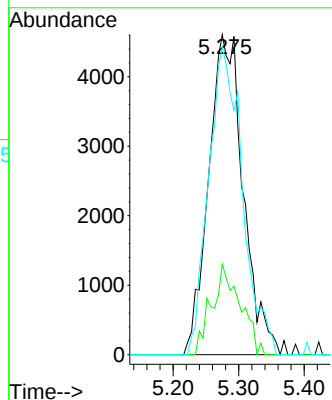
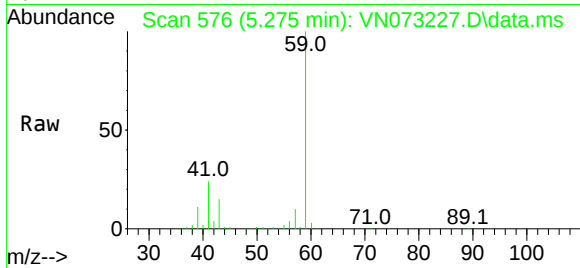




#15
Acrylonitrile
Concen: 5.776 ug/l
RT: 5.275 min Scan# 51
Delta R.T. -0.194 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

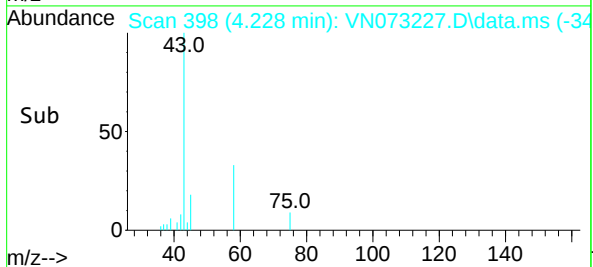
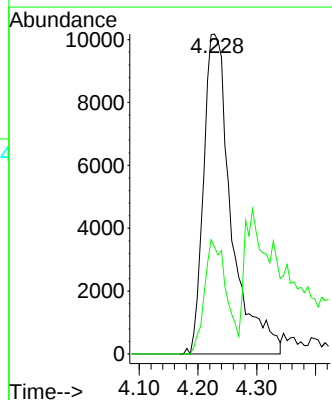
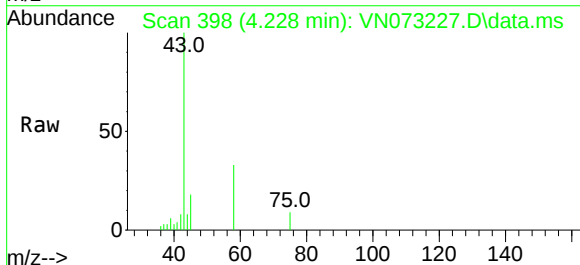
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOA

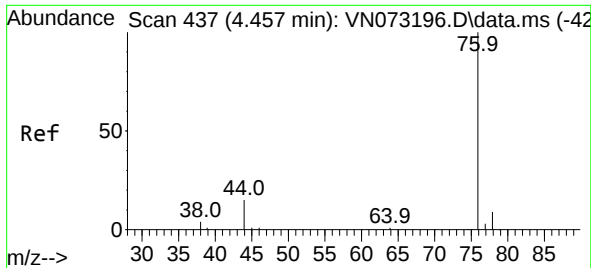
Tgt Ion: 53 Resp: 16865
Ion Ratio Lower Upper
53 100
52 23.4 66.4 99.6#
51 94.1 28.5 42.7#



#16
Acetone
Concen: 12.641 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

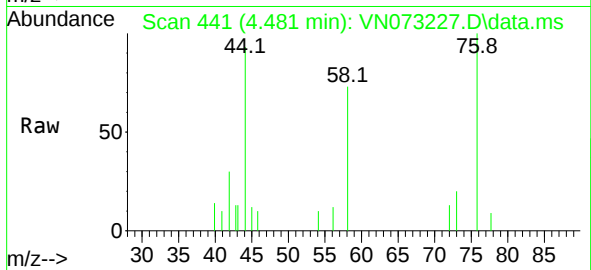
Tgt Ion: 43 Resp: 33223
Ion Ratio Lower Upper
43 100
58 33.4 26.0 39.0



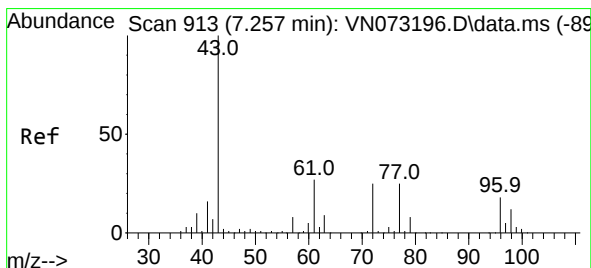
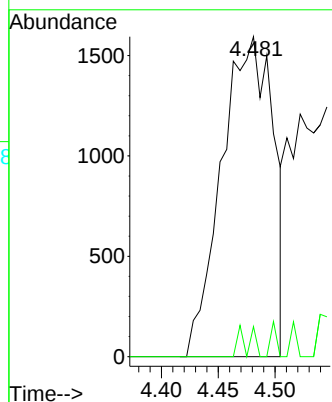
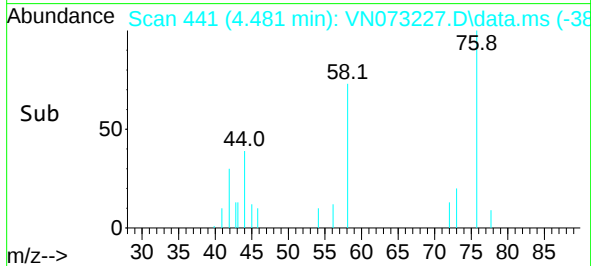


#17
Carbon Disulfide
Concen: 0.508 ug/l
RT: 4.481 min Scan# 441
Delta R.T. 0.024 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOA

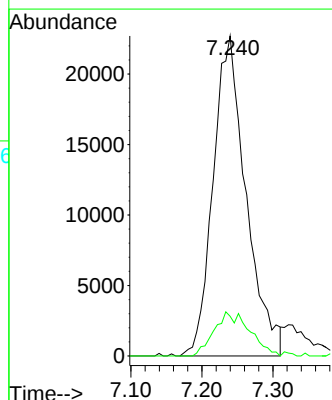
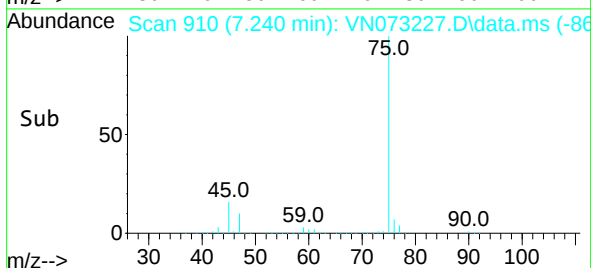
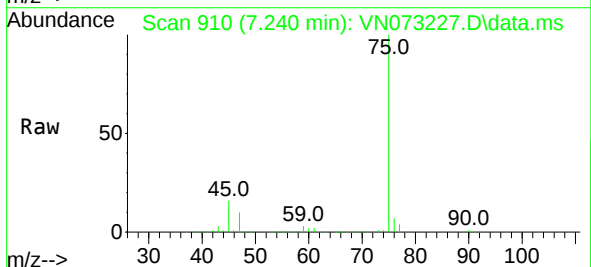


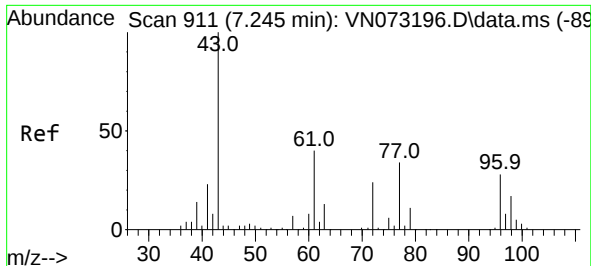
Tgt Ion: 76 Resp: 5030
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#25
2-Butanone
Concen: 17.456 ug/l
RT: 7.240 min Scan# 910
Delta R.T. -0.017 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

Tgt Ion: 43 Resp: 73040
Ion Ratio Lower Upper
43 100
72 12.4 23.7 35.5#

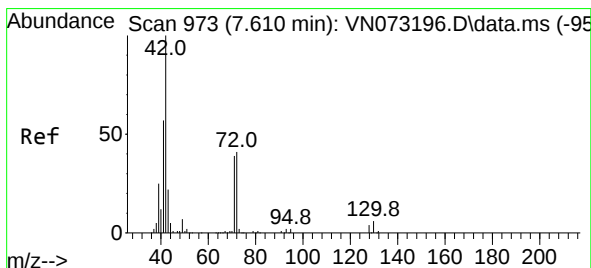
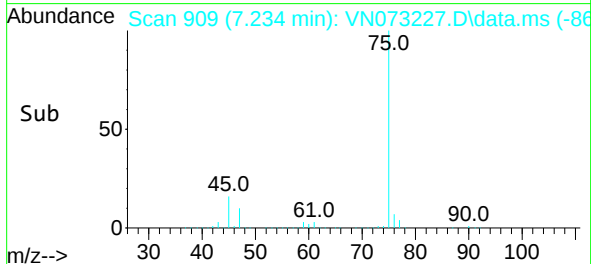
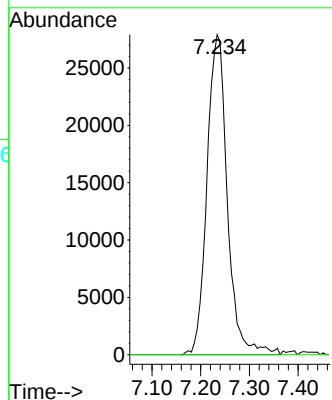
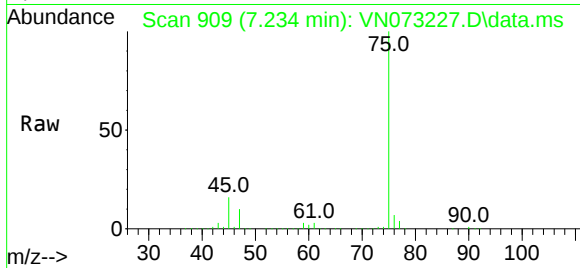




#26
2,2-Dichloropropane
Concen: 11.249 ug/l
RT: 7.234 min Scan# 909
Delta R.T. -0.011 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

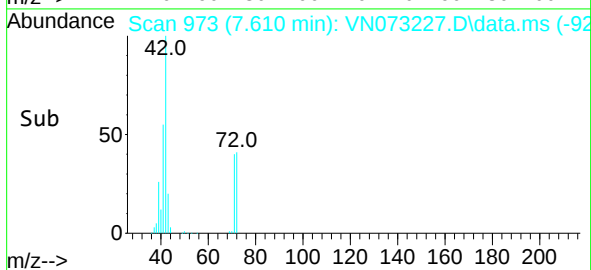
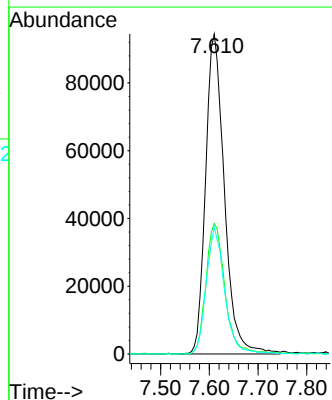
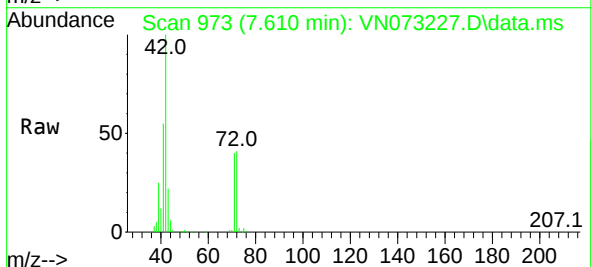
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOA

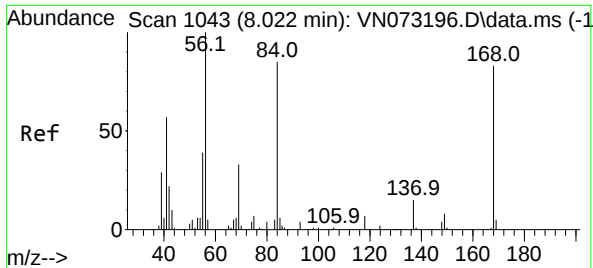
Tgt Ion: 77 Resp: 80804
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 88.146 ug/l
RT: 7.610 min Scan# 973
Delta R.T. 0.000 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

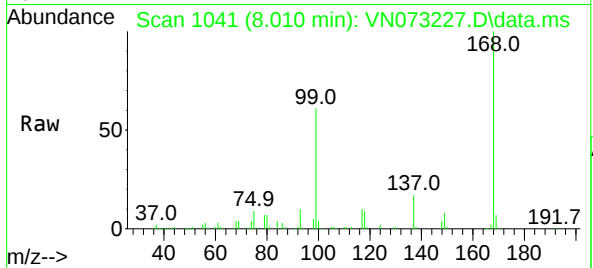
Tgt Ion: 42 Resp: 252545
Ion Ratio Lower Upper
42 100
72 41.4 39.7 59.5
71 38.6 36.6 55.0



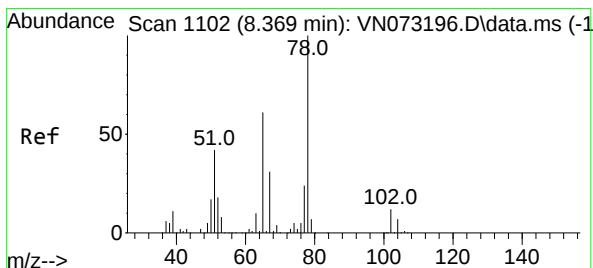
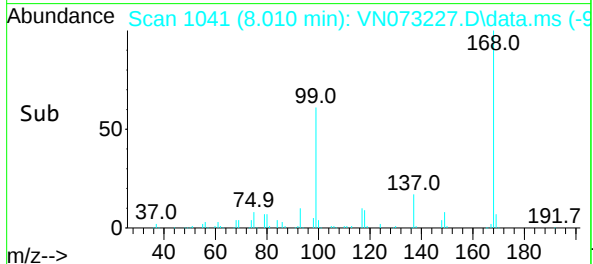
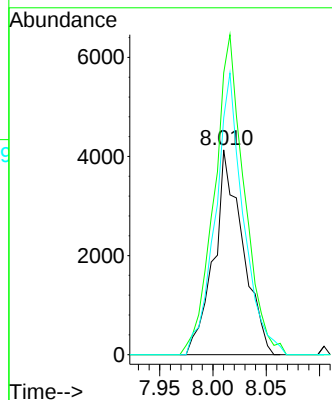


#31
Cyclohexane
Concen: 1.015 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

Instrument :
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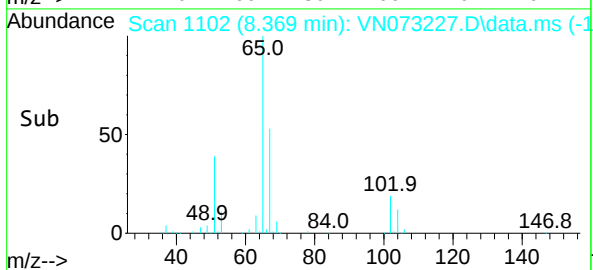
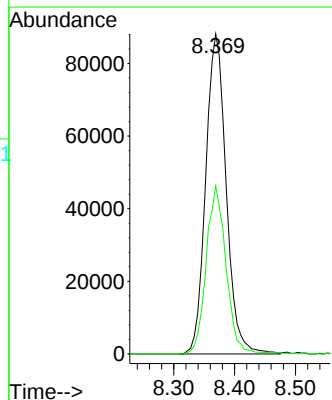
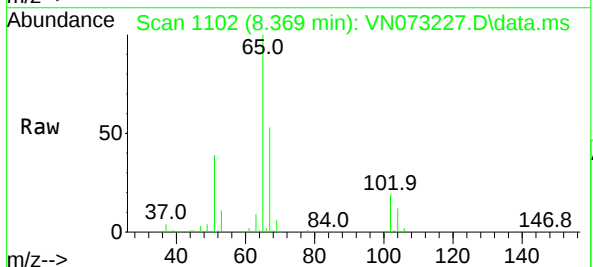


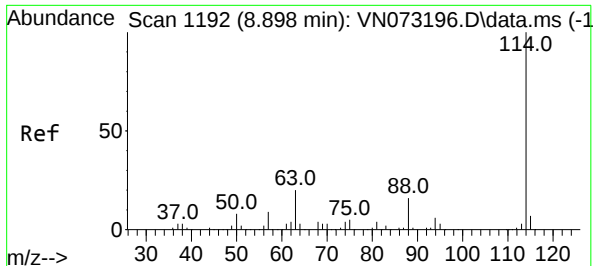
Tgt Ion: 56 Resp: 7782
Ion Ratio Lower Upper
56 100
69 137.7 27.8 41.8#
84 115.6 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 43.998 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

Tgt Ion: 65 Resp: 206003
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073227.D

Acq: 29 Jun 2022 03:31

Instrument :

MSVOA_N

ClientSampleId :

220615003-01-VOA

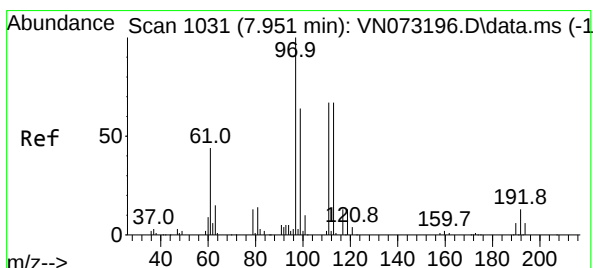
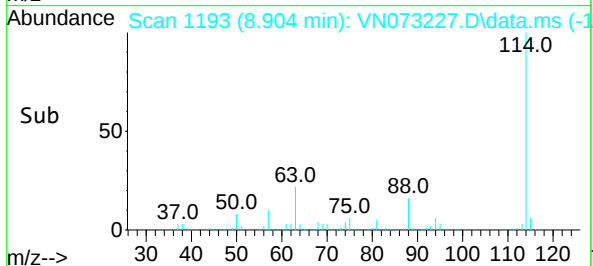
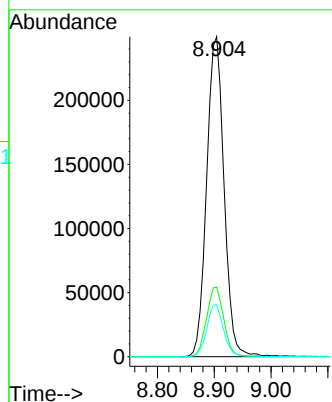
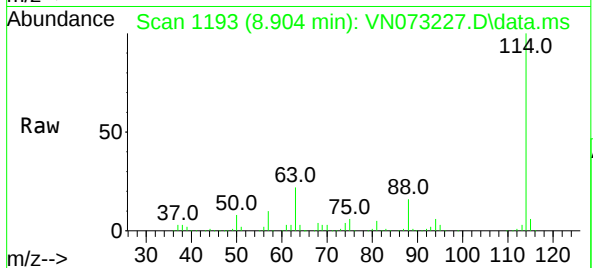
Tgt Ion:114 Resp: 529957

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.735 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073227.D

Acq: 29 Jun 2022 03:31

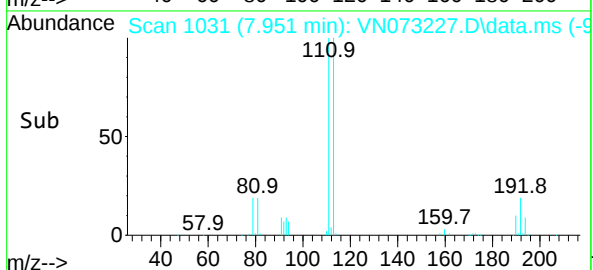
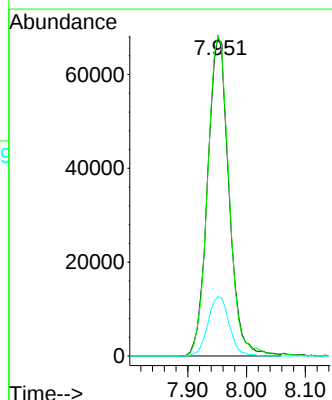
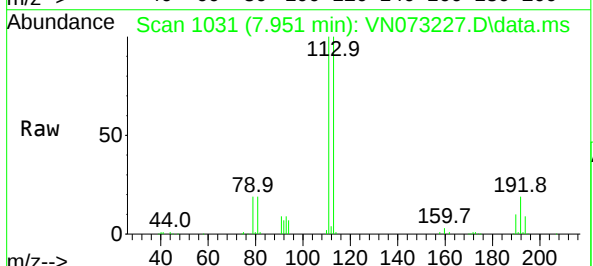
Tgt Ion:113 Resp: 171834

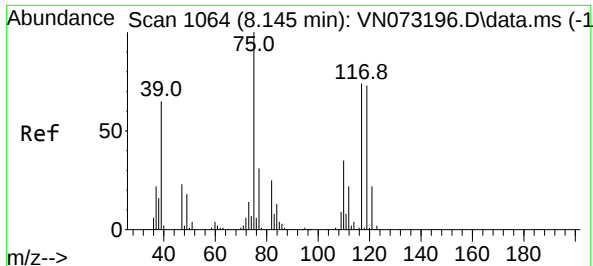
Ion Ratio Lower Upper

113 100

111 100.4 81.4 122.0

192 18.5 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.989 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.129 min

Lab File: VN073227.D

Acq: 29 Jun 2022 03:31

Instrument :

MSVOA_N

ClientSampleId :

220615003-01-VOA

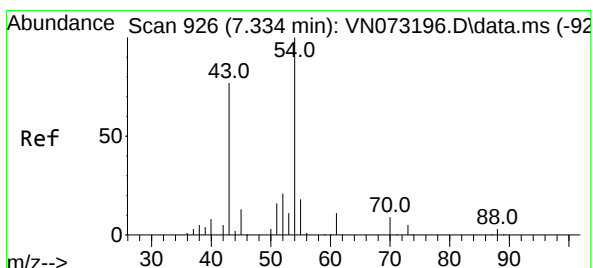
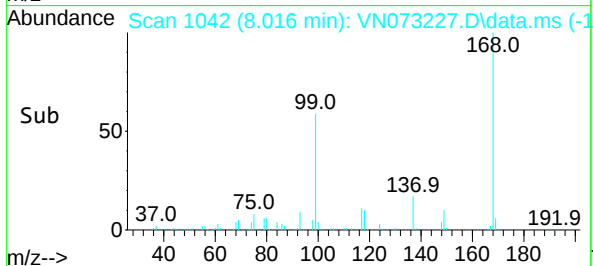
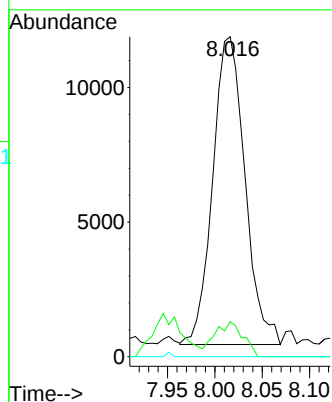
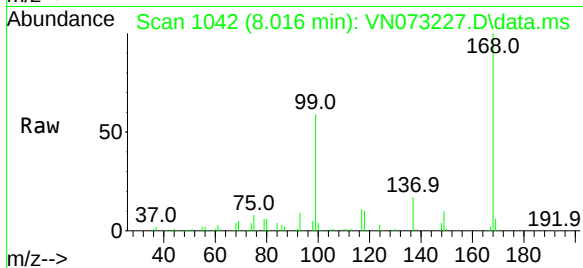
Tgt Ion: 75 Resp: 27069

Ion Ratio Lower Upper

75 100

110 9.9 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 8.910 ug/l

RT: 7.240 min Scan# 910

Delta R.T. -0.094 min

Lab File: VN073227.D

Acq: 29 Jun 2022 03:31

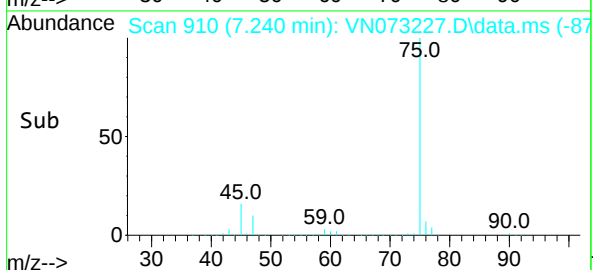
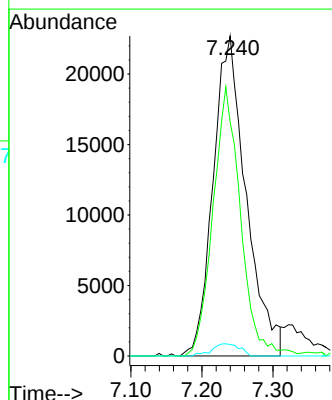
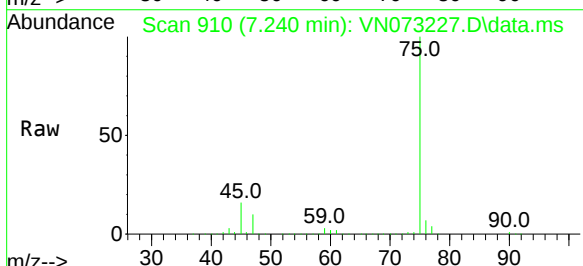
Tgt Ion: 43 Resp: 73040

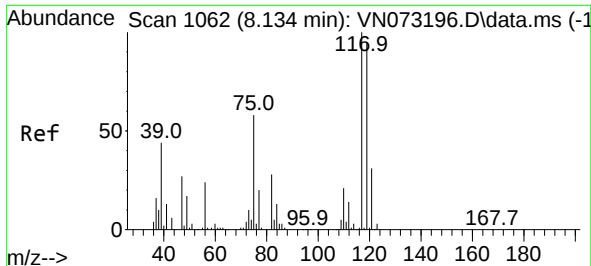
Ion Ratio Lower Upper

43 100

61 70.4 11.8 17.6#

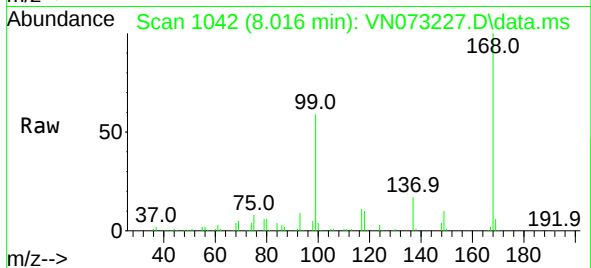
70 3.2 9.3 13.9#



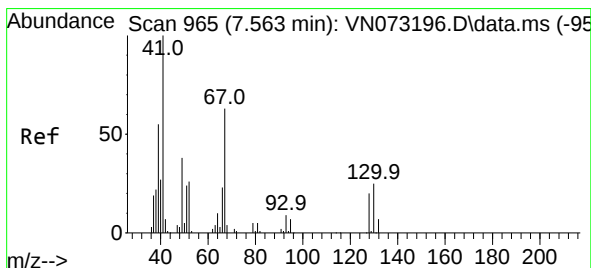
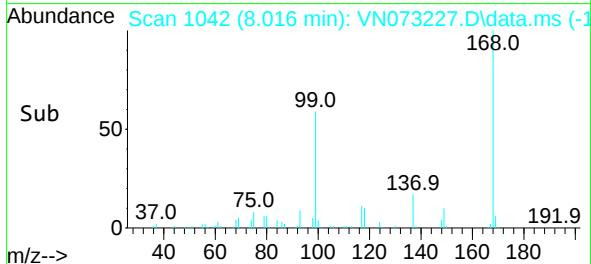
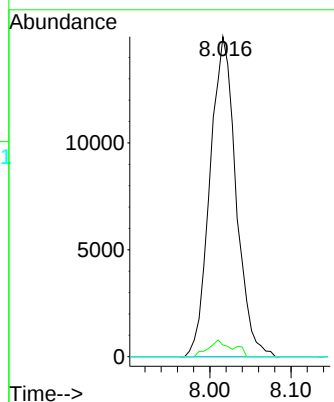


#38
Carbon Tetrachloride
Concen: 5.947 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOA

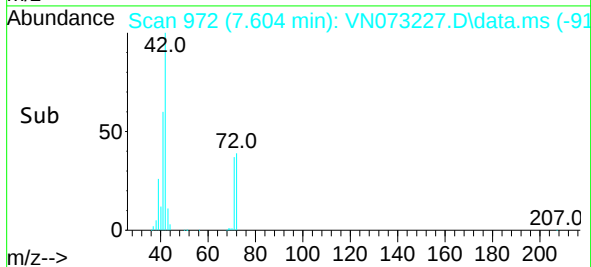
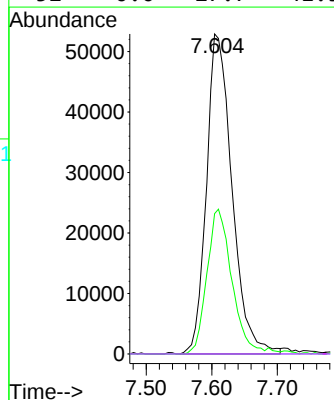
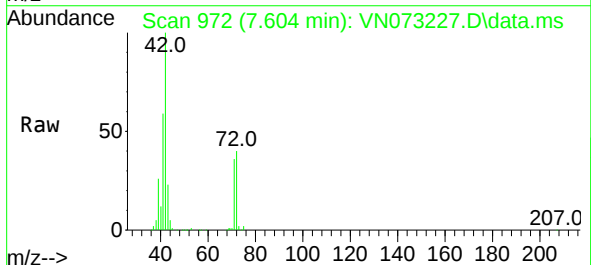


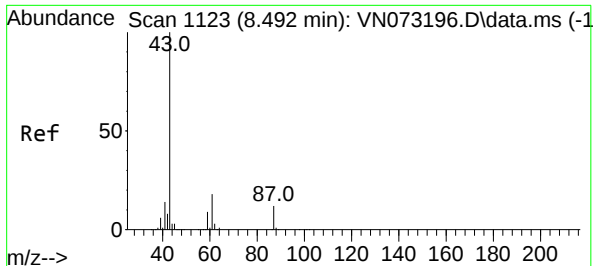
Tgt Ion:117 Resp: 33367
Ion Ratio Lower Upper
117 100
119 3.7 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 36.119 ug/l
RT: 7.604 min Scan# 972
Delta R.T. 0.041 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

Tgt Ion: 41 Resp: 143595
Ion Ratio Lower Upper
41 100
39 44.4 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#43

Isopropyl Acetate

Concen: 0.866 ug/l

RT: 8.457 min Scan# 1117

Delta R.T. -0.035 min

Lab File: VN073227.D

Acq: 29 Jun 2022 03:31

Instrument :

MSVOA_N

ClientSampleId :

220615003-01-VOA

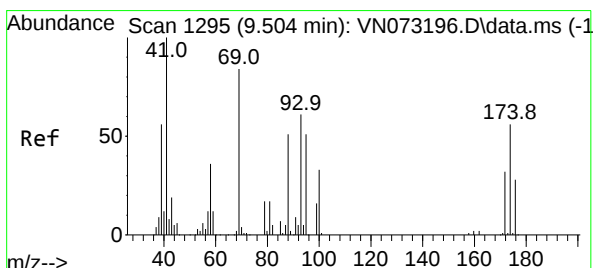
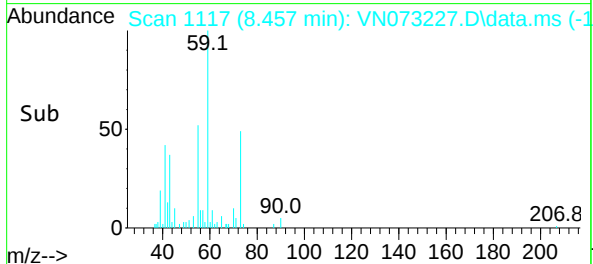
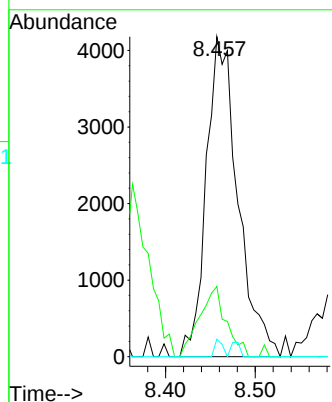
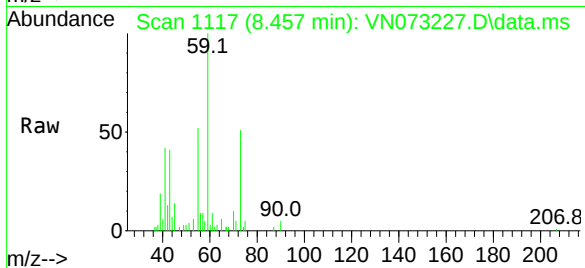
Tgt Ion: 43 Resp: 10201

Ion Ratio Lower Upper

43 100

61 18.7 21.9 32.9#

87 1.3 12.0 18.0#



#49

1,4-Dioxane

Concen: 45.667 ug/l

RT: 9.510 min Scan# 1296

Delta R.T. 0.006 min

Lab File: VN073227.D

Acq: 29 Jun 2022 03:31

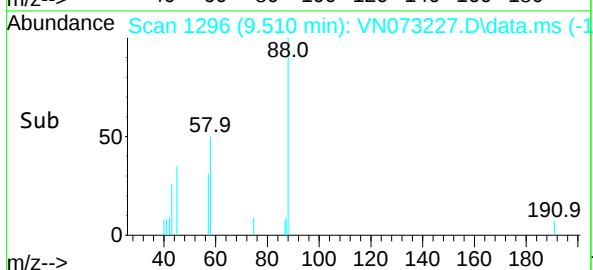
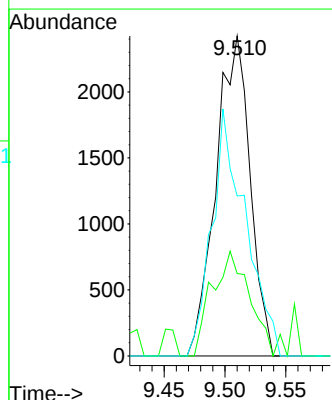
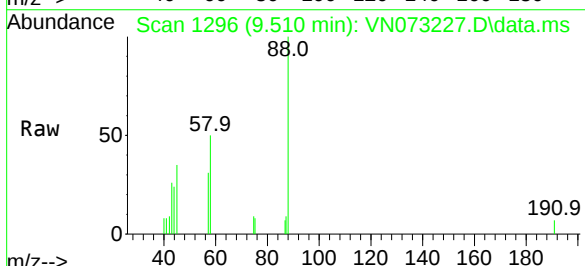
Tgt Ion: 88 Resp: 4729

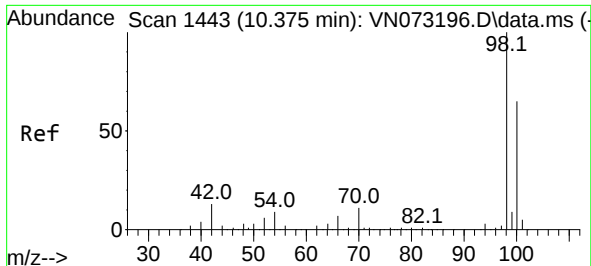
Ion Ratio Lower Upper

88 100

43 35.9 20.2 30.4#

58 76.0 54.2 81.4

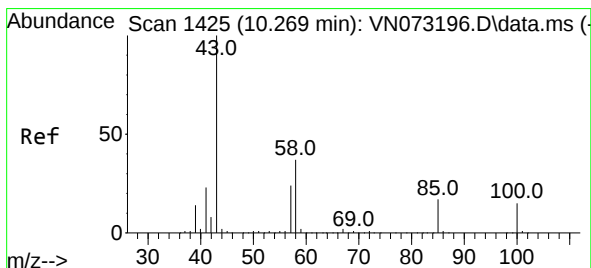
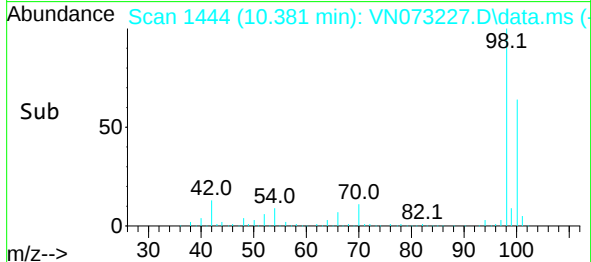
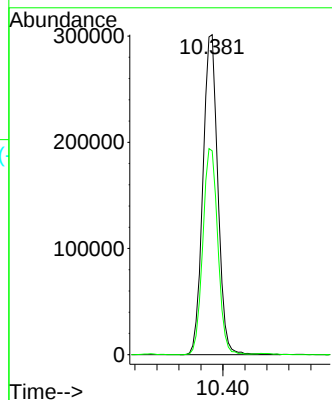
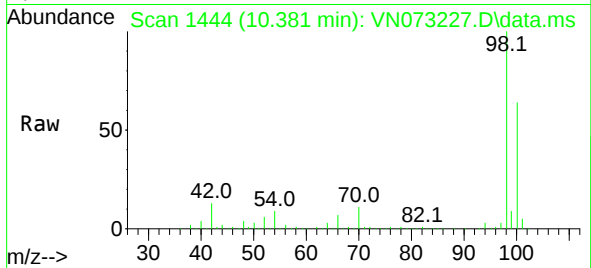




#50
Toluene-d8
Concen: 45.307 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

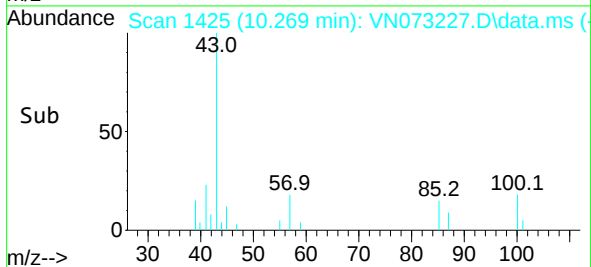
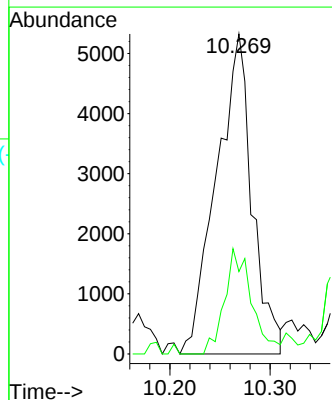
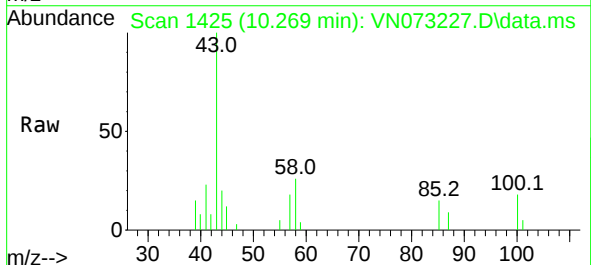
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOA

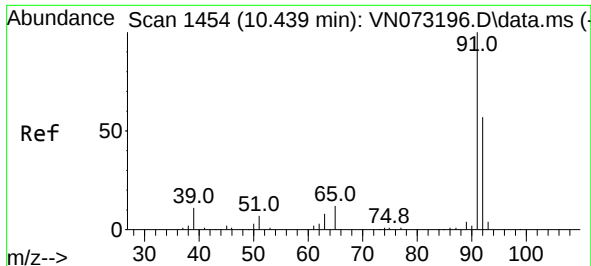
Tgt Ion: 98 Resp: 567362
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.762 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

Tgt Ion: 43 Resp: 13162
Ion Ratio Lower Upper
43 100
58 25.0 34.1 51.1#

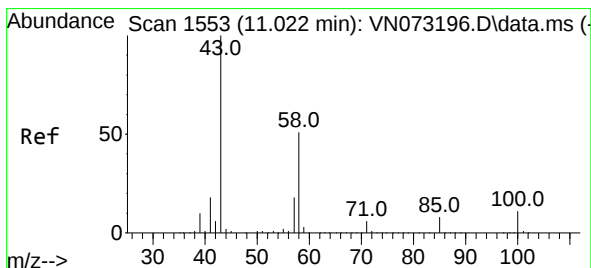
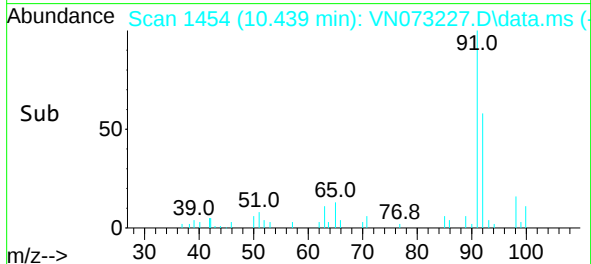
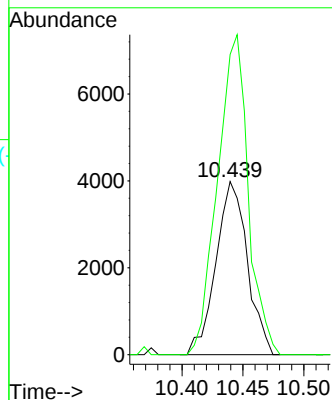
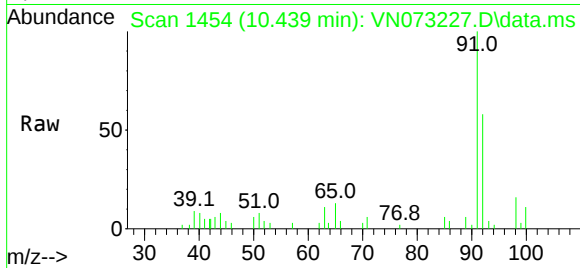




#52
Toluene
Concen: 0.692 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

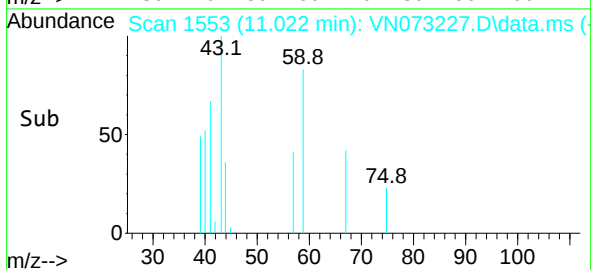
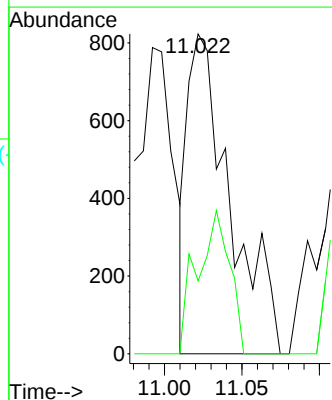
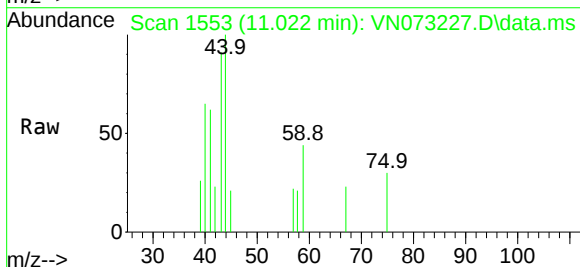
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOA

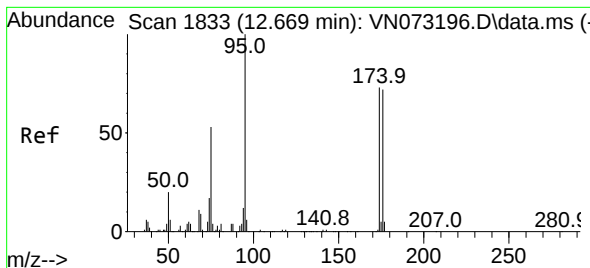
Tgt Ion: 92 Resp: 7158
Ion Ratio Lower Upper
92 100
91 180.3 138.6 207.8



#59
2-Hexanone
Concen: 0.277 ug/l
RT: 11.022 min Scan# 1553
Delta R.T. -0.000 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

Tgt Ion: 43 Resp: 1575
Ion Ratio Lower Upper
43 100
58 34.2 29.7 89.1

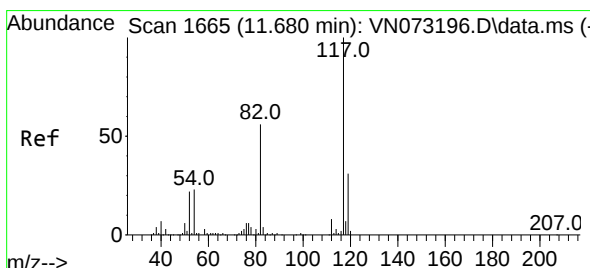
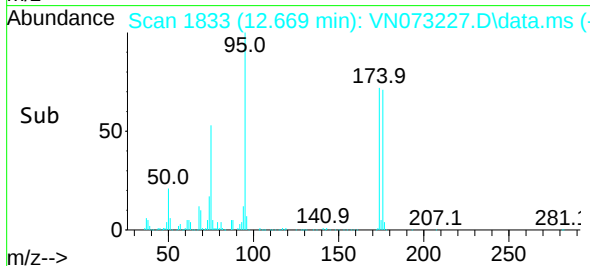
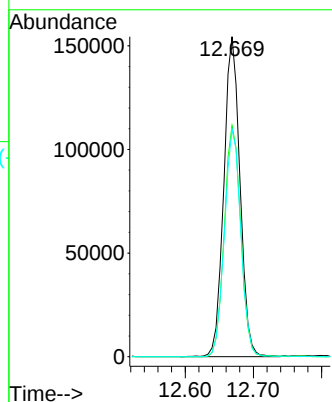
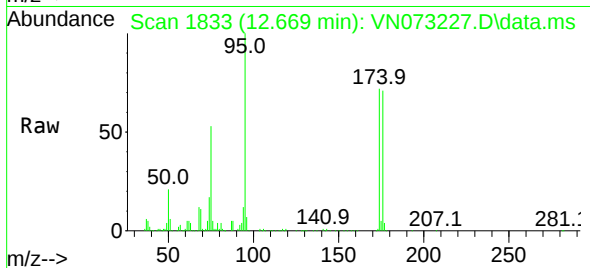




#62
4-Bromofluorobenzene
Concen: 52.967 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

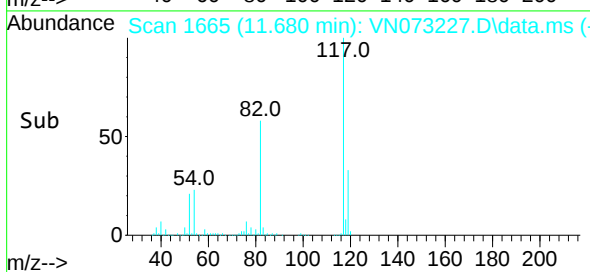
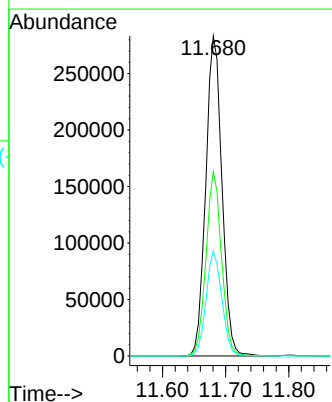
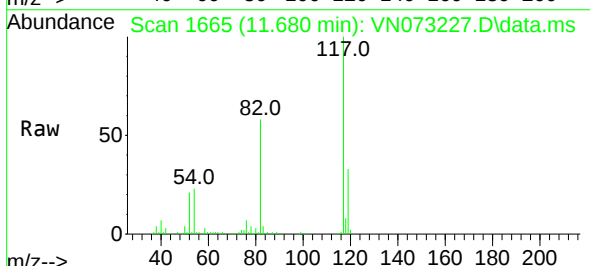
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOA

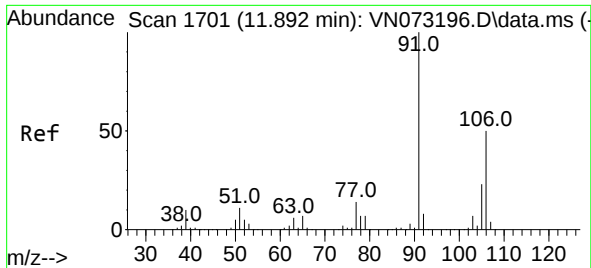
Tgt Ion: 95 Resp: 254901
Ion Ratio Lower Upper
95 100
174 73.5 0.0 167.6
176 71.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

Tgt Ion: 117 Resp: 504737
Ion Ratio Lower Upper
117 100
82 57.7 44.2 66.2
119 32.8 25.4 38.0

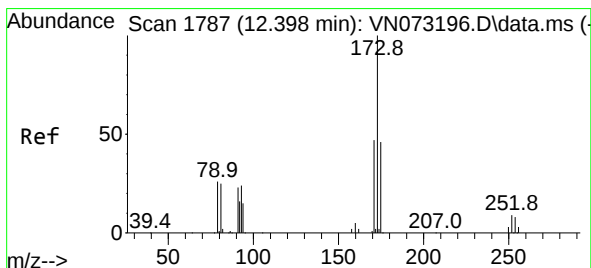
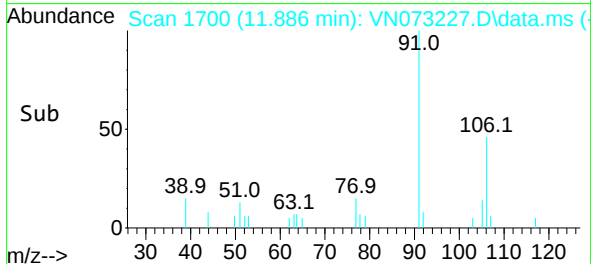
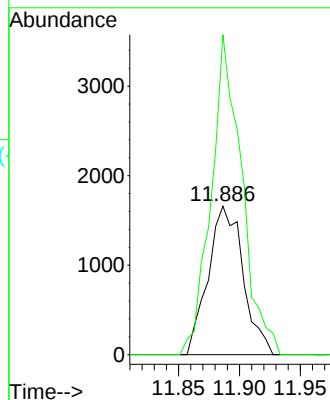
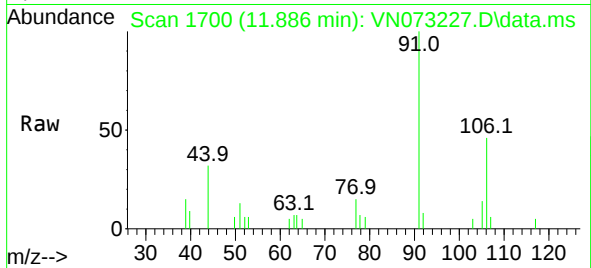




#68
m/p-Xylenes
Concen: 0.424 ug/l
RT: 11.886 min Scan# 11832
Delta R.T. -0.006 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

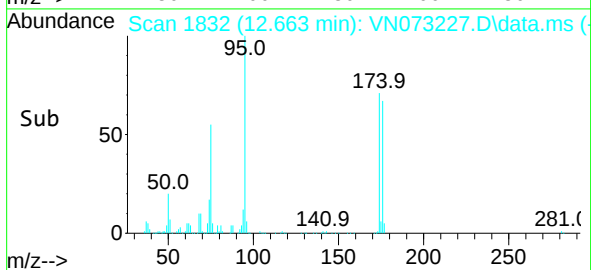
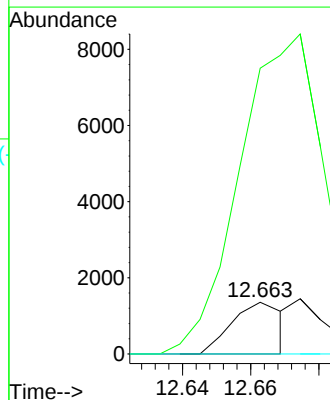
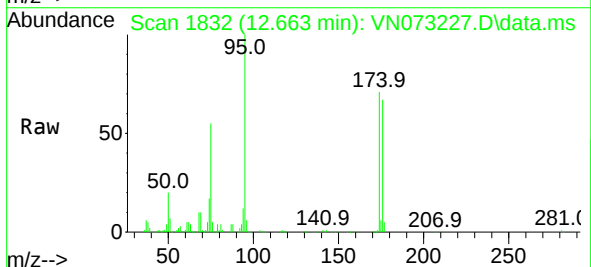
Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOA

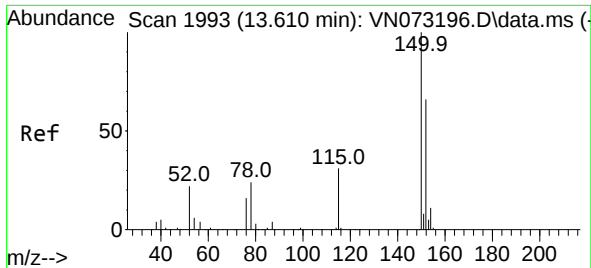
Tgt Ion:106 Resp: 3315
Ion Ratio Lower Upper
106 100
91 188.9 158.9 238.3



#71
Bromoform
Concen: 0.461 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.265 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

Tgt Ion:173 Resp: 1417
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

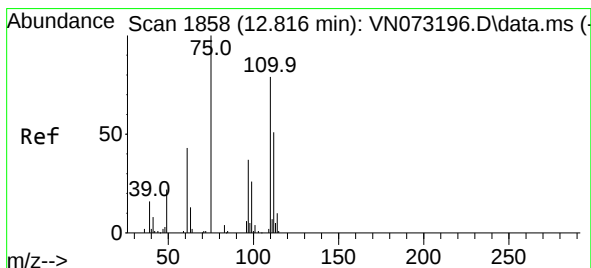
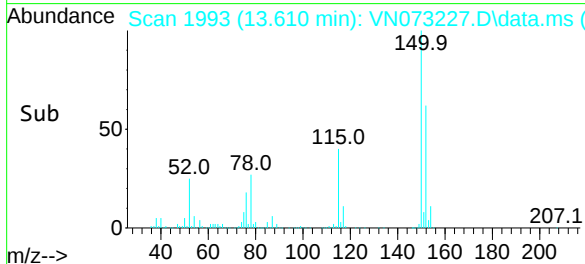
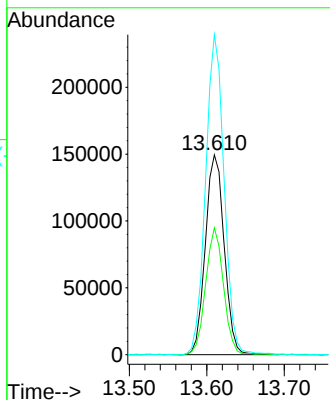
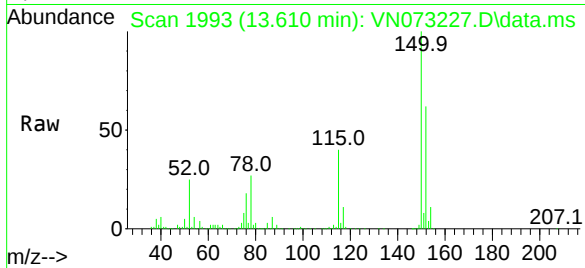




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN073227.D
 Acq: 29 Jun 2022 03:31

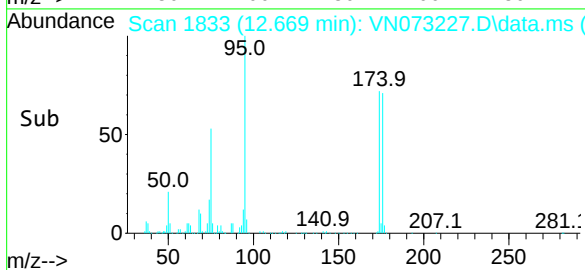
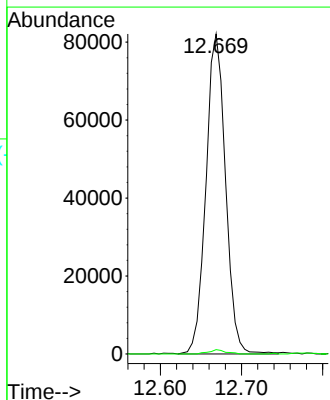
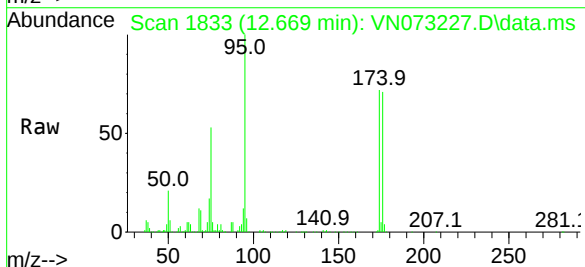
Instrument :
 MSVOA_N
 ClientSampleId :
 220615003-01-VOA

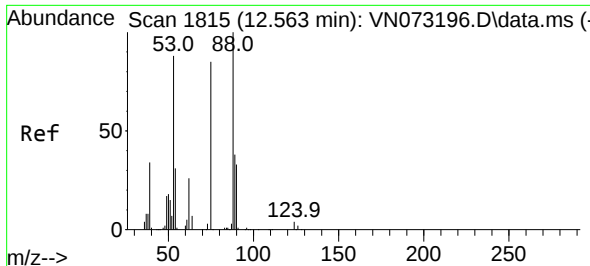
Tgt Ion:152 Resp: 252638
 Ion Ratio Lower Upper
 152 100
 115 60.4 28.9 86.7
 150 157.2 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 20.790 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN073227.D
 Acq: 29 Jun 2022 03:31

Tgt Ion: 75 Resp: 137338
 Ion Ratio Lower Upper
 75 100
 77 1.1 98.5 295.5#

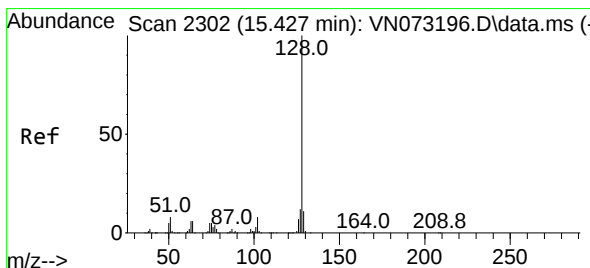
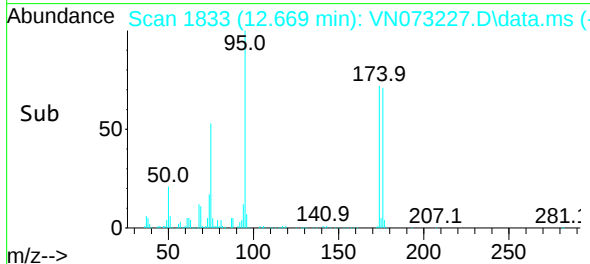
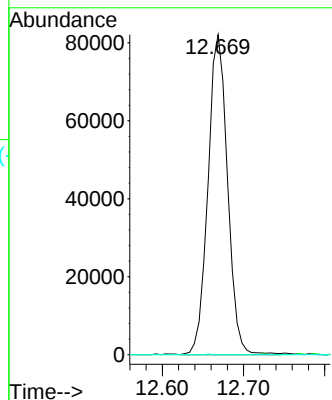
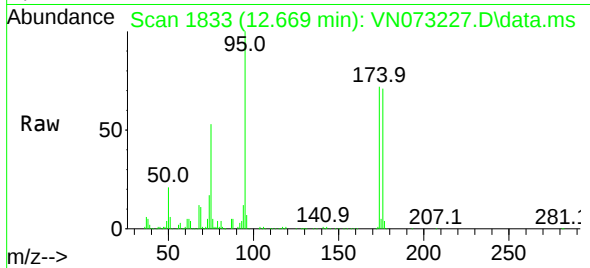




#81
trans-1,4-Dichloro-2-butene
Concen: 57.016 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

Instrument :
MSVOA_N
ClientSampleId :
220615003-01-VOA

Tgt Ion: 75 Resp: 137338
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.533 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073227.D
Acq: 29 Jun 2022 03:31

Tgt Ion:128 Resp: 10376
Ion Ratio Lower Upper
128 100
127 10.7 10.3 15.5
129 11.4 8.6 13.0

