

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073926.D
 Acq On : 16 Aug 2022 04:33
 Operator : JC\MD
 Sample : N4188-26
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S6

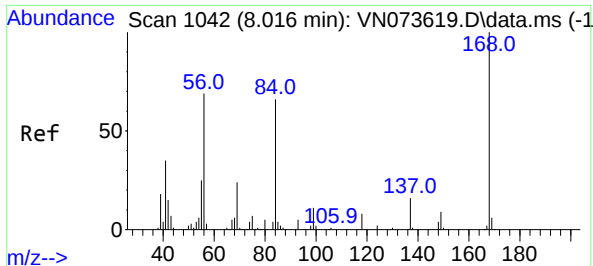
Quant Time: Aug 16 05:16:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	630214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	923167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	906109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	490023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	295178	48.088	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.180%
35) Dibromofluoromethane	7.951	113	288920	52.921	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.840%
50) Toluene-d8	10.380	98	980151	46.355	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.720%
62) 4-Bromofluorobenzene	12.674	95	413845	58.974	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	117.940%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.275	59	1625	1.184	ug/l #	82
16) Acetone	4.228	43	93214	32.188	ug/l	94
18) Methyl Acetate	4.787	43	11059	Below Cal	#	75
20) Methylene Chloride	5.016	84	33530	5.487	ug/l	91
25) 2-Butanone	7.275	43	18358	3.998	ug/l #	85
29) Tetrahydrofuran	7.628	42	3768	1.279	ug/l	93
31) Cyclohexane	8.022	56	10179	1.190	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	38970	5.139	ug/l #	49
37) Ethyl Acetate	7.339	43	59142	6.438	ug/l	96
38) Carbon Tetrachloride	8.016	117	54196	6.253	ug/l #	17
41) Methacrylonitrile	7.622	41	2161	0.521	ug/l #	33
43) Isopropyl Acetate	8.492	43	310121	23.696	ug/l #	89
48) Methyl methacrylate	9.486	41	8890	1.588	ug/l #	37
49) 1,4-Dioxane	9.504	88	144	0.865	ug/l #	25
51) 4-Methyl-2-Pentanone	10.275	43	26378	2.981	ug/l #	77
54) cis-1,3-Dichloropropene	10.186	75	110191	11.513	ug/l #	61
57) 1,3-Dichloropropane	11.033	76	10579	1.019	ug/l #	42
59) 2-Hexanone	11.033	43	108190	15.887	ug/l #	55
71) Bromoform	12.668	173	2371	0.364	ug/l #	28
74) N-amyl acetate	12.139	43	21879	1.622	ug/l #	48
76) 1,2,3-Trichloropropane	12.668	75	202431	19.875	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	202431	56.529	ug/l #	10

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

Quant Time: Aug 16 05:16:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration

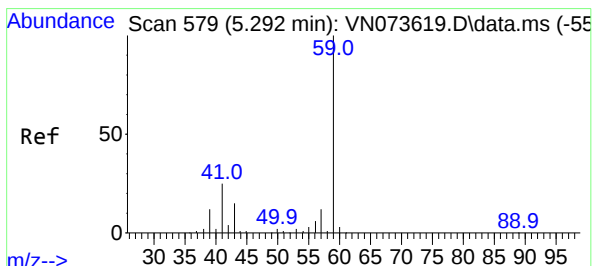
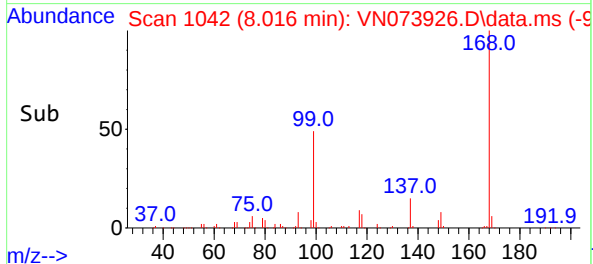
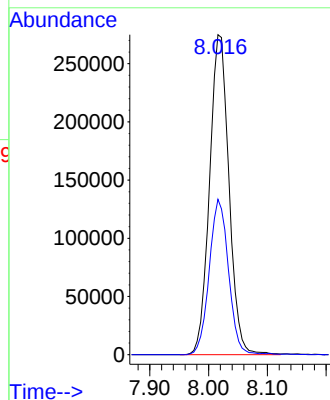
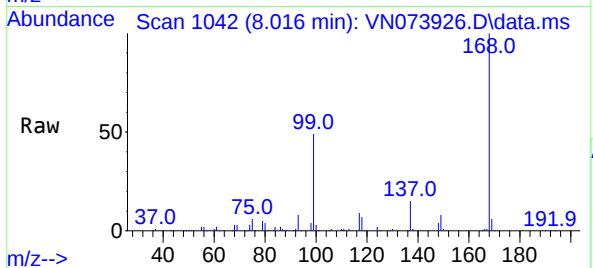




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

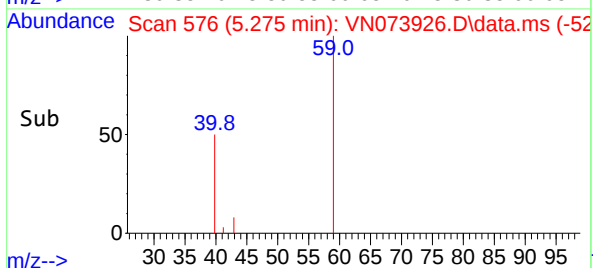
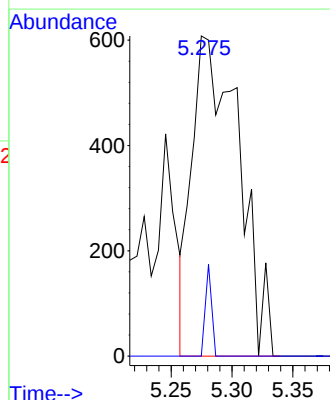
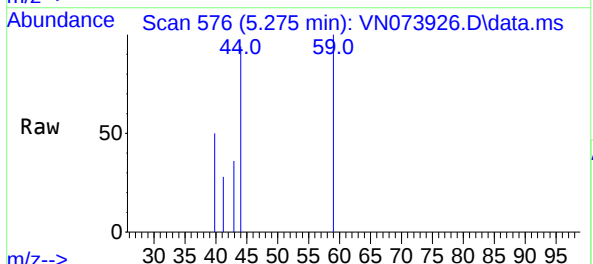
Instrument :
MSVOA_N
ClientSampleId :
S6

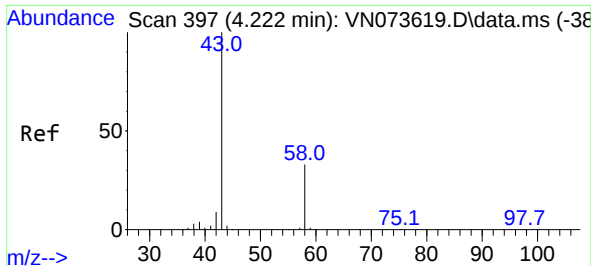
Tgt Ion:168 Resp: 630214
Ion Ratio Lower Upper
168 100
99 48.5 42.3 63.5



#11
Tert butyl alcohol
Concen: 1.184 ug/l
RT: 5.275 min Scan# 576
Delta R.T. -0.017 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

Tgt Ion: 59 Resp: 1625
Ion Ratio Lower Upper
59 100
57 3.8 8.3 12.5#

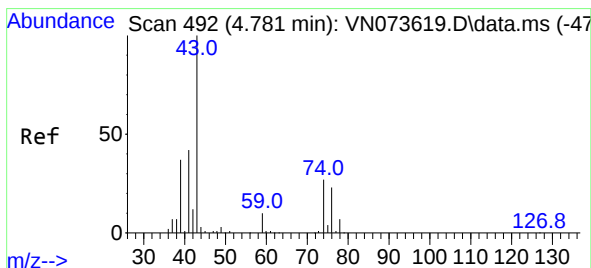
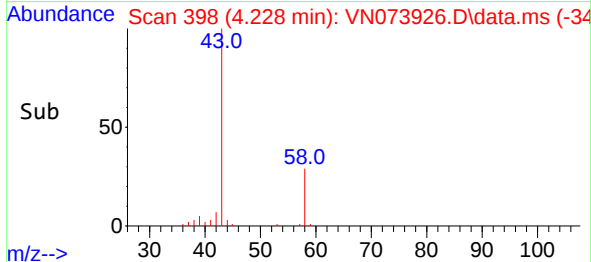
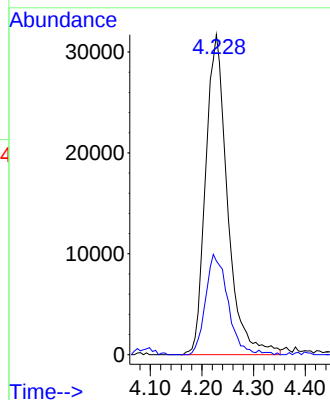
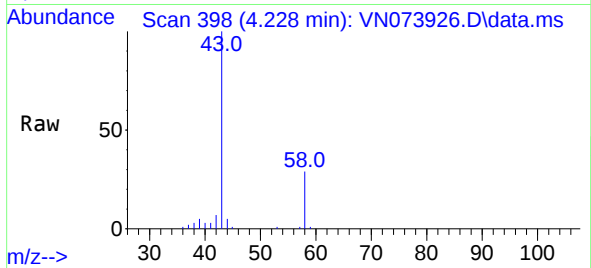




#16
Acetone
Concen: 32.188 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

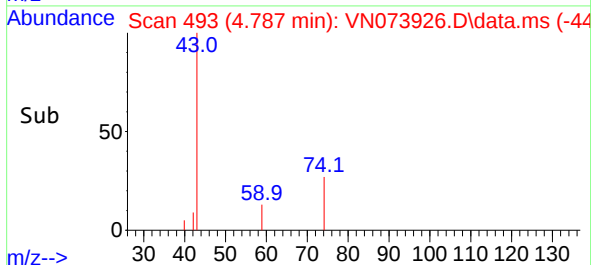
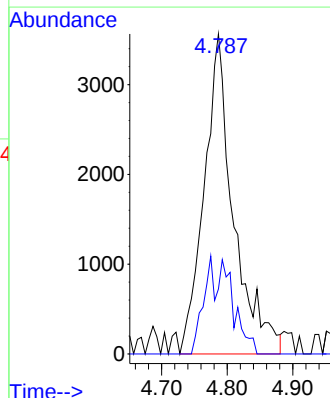
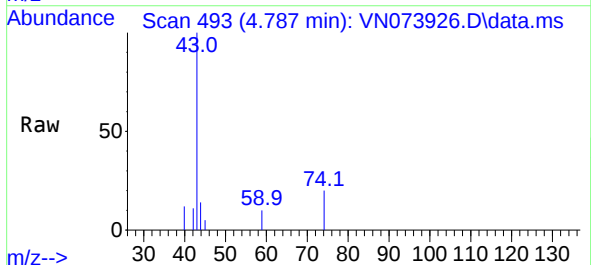
Instrument :
MSVOA_N
ClientSampleId :
S6

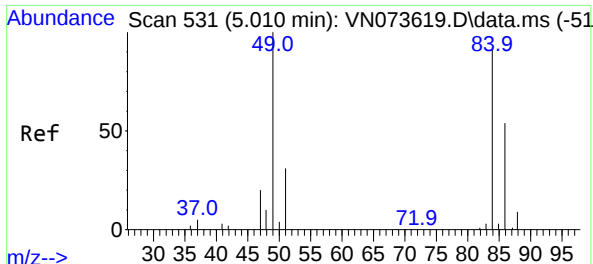
Tgt Ion: 43 Resp: 93214
Ion Ratio Lower Upper
43 100
58 29.3 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

Tgt Ion: 43 Resp: 11059
Ion Ratio Lower Upper
43 100
74 14.2 21.6 32.4#



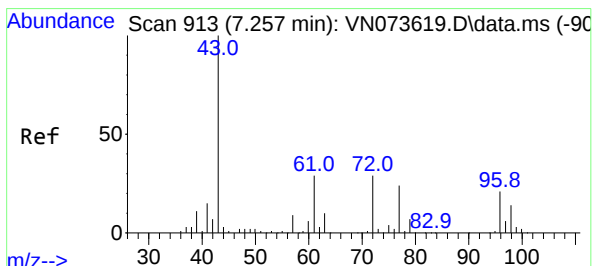
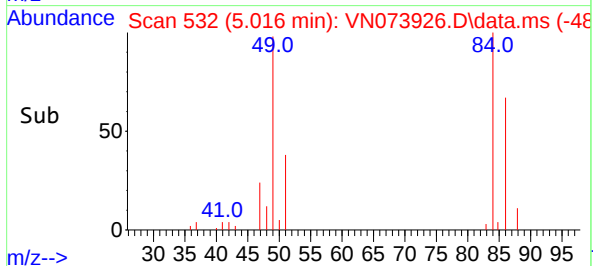
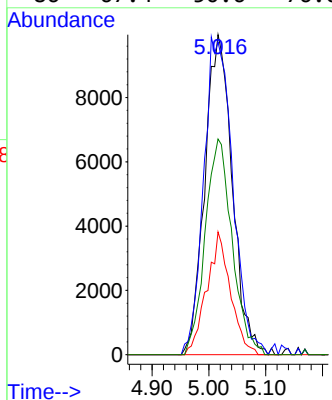
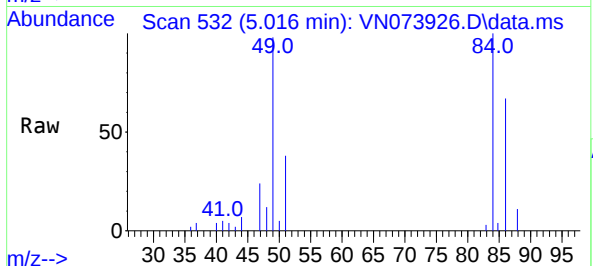


#20
Methylene Chloride
Concen: 5.487 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

Instrument :
MSVOA_N
ClientSampleId :
S6

Tgt Ion: 84 Resp: 33530

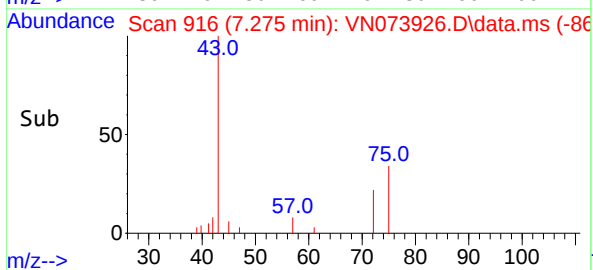
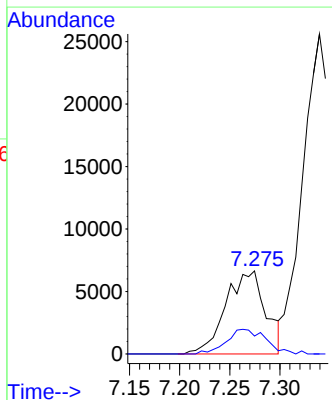
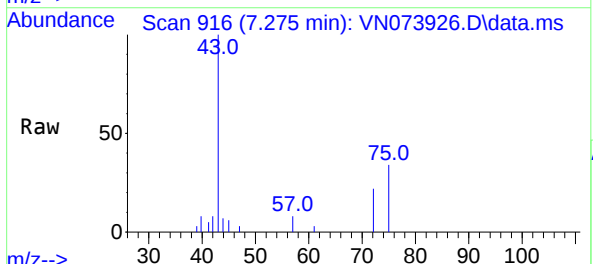
Ion	Ratio	Lower	Upper
84	100		
49	97.7	88.3	132.5
51	38.3	28.2	42.2
86	67.4	50.6	76.0

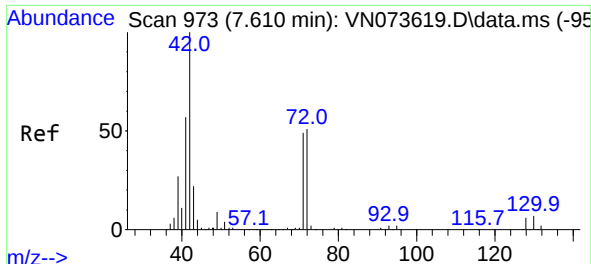


#25
2-Butanone
Concen: 3.998 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

Tgt Ion: 43 Resp: 18358

Ion	Ratio	Lower	Upper
43	100		
72	21.7	23.7	35.5#





#29

Tetrahydrofuran

Concen: 1.279 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN073926.D

Acq: 16 Aug 2022 04:33

Instrument :

MSVOA_N

ClientSampleId :

S6

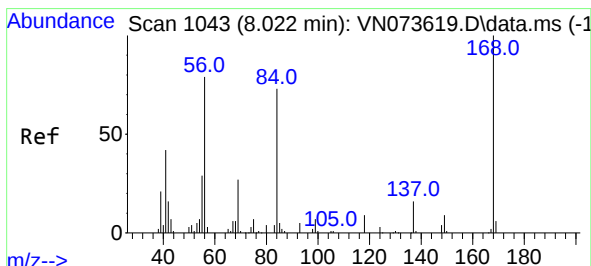
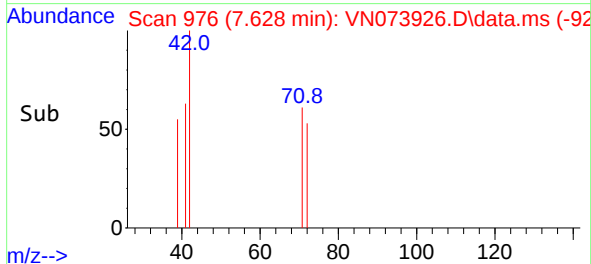
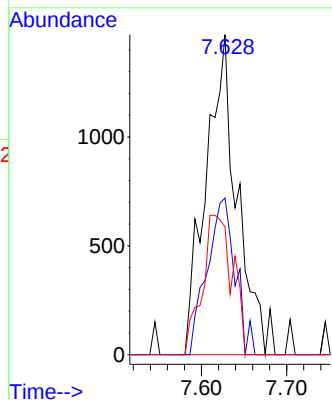
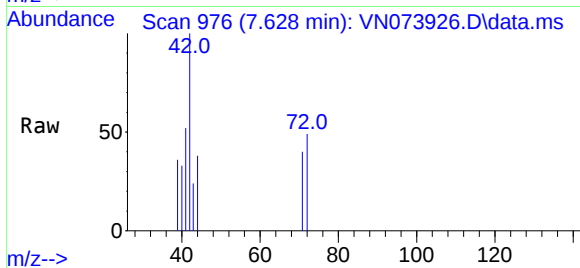
Tgt Ion: 42 Resp: 3768

Ion Ratio Lower Upper

42 100

72 43.7 39.7 59.5

71 41.7 36.6 55.0



#31

Cyclohexane

Concen: 1.190 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073926.D

Acq: 16 Aug 2022 04:33

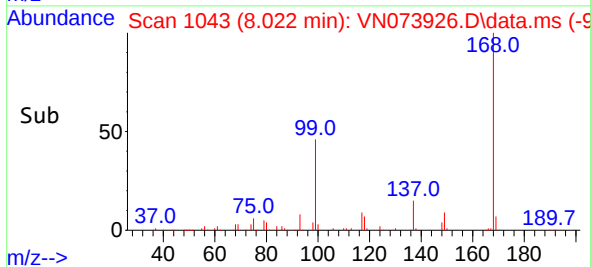
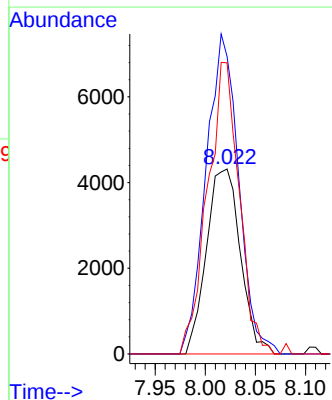
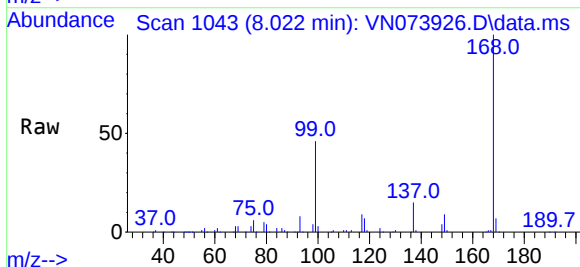
Tgt Ion: 56 Resp: 10179

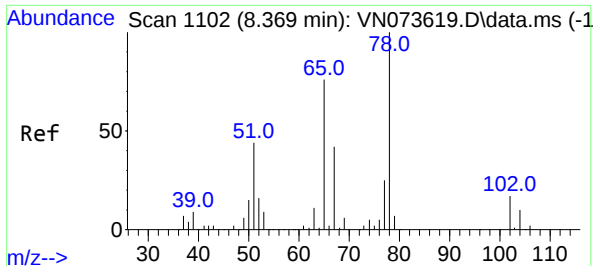
Ion Ratio Lower Upper

56 100

69 160.8 27.8 41.8#

84 157.4 76.9 115.3#

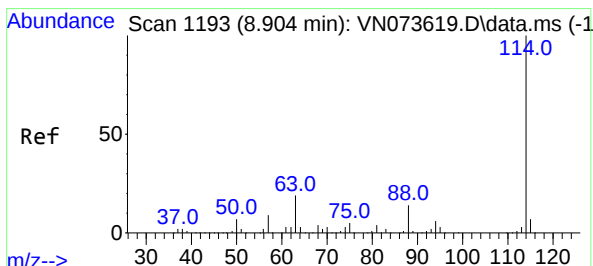
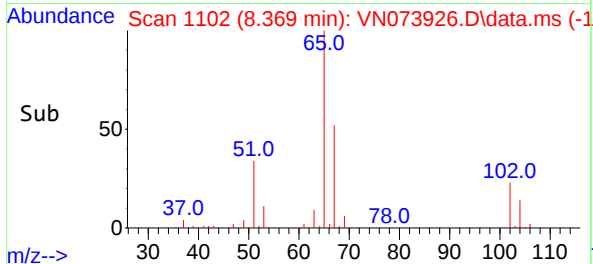
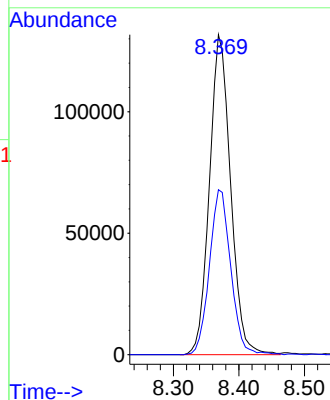
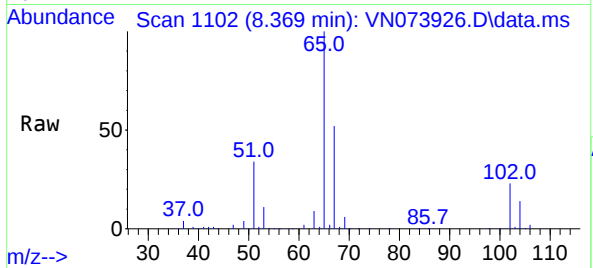




#33
1,2-Dichloroethane-d4
Concen: 48.088 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

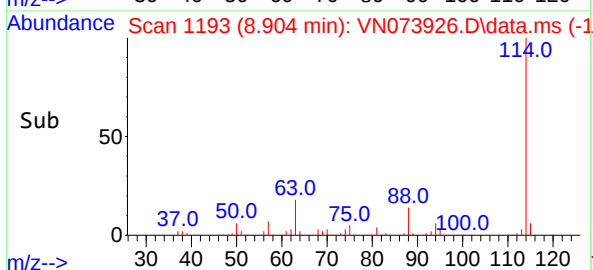
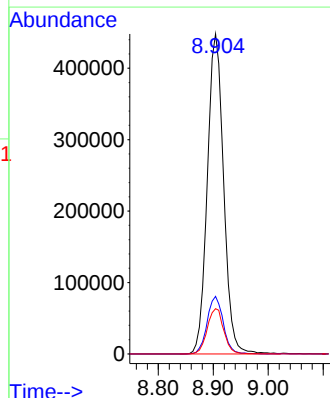
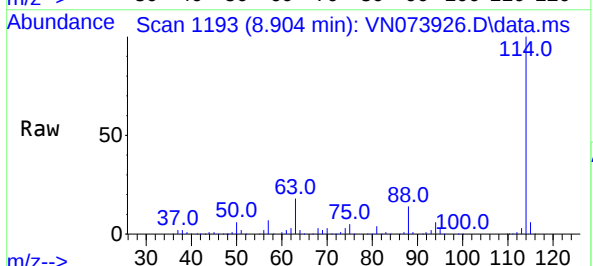
Instrument :
MSVOA_N
ClientSampleId :
S6

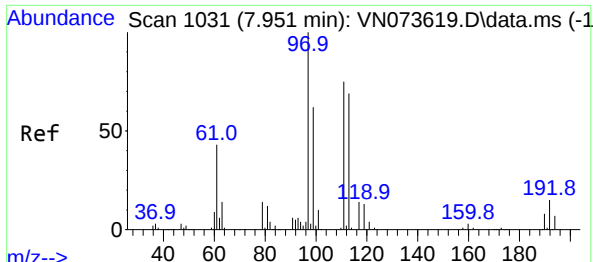
Tgt Ion: 65 Resp: 295178
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

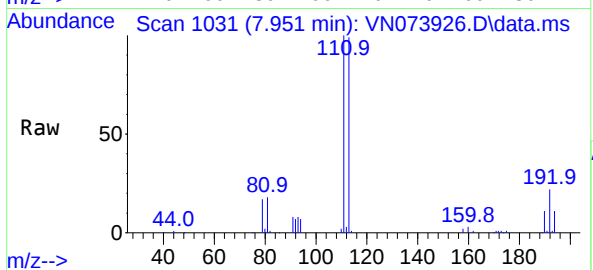
Tgt Ion: 114 Resp: 923167
Ion Ratio Lower Upper
114 100
63 18.0 0.0 40.0
88 14.1 0.0 32.6



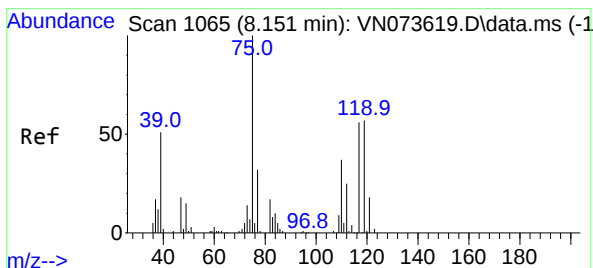
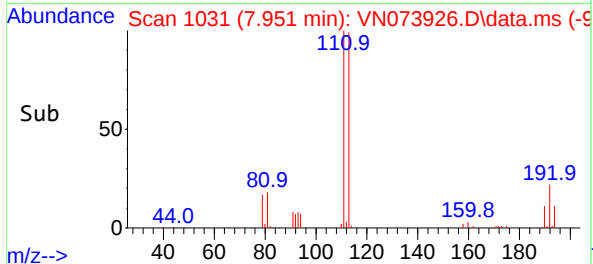
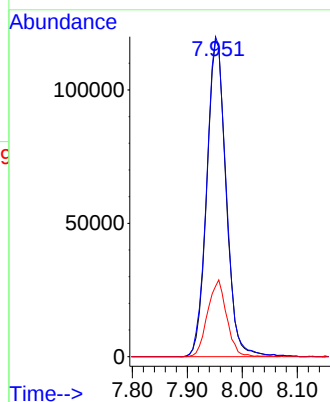


#35
Dibromofluoromethane
Concen: 52.921 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

Instrument :
MSVOA_N
ClientSampleId :
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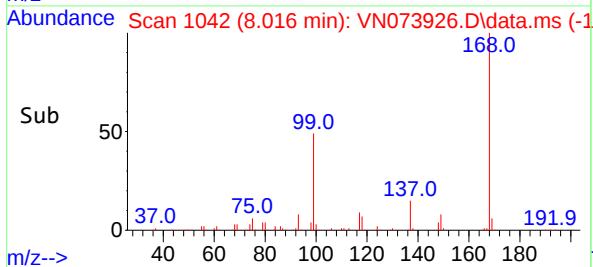
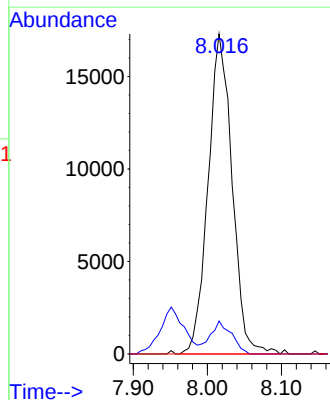
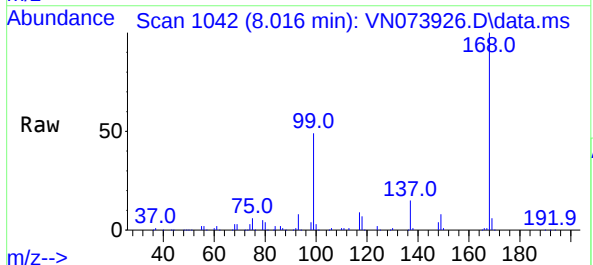


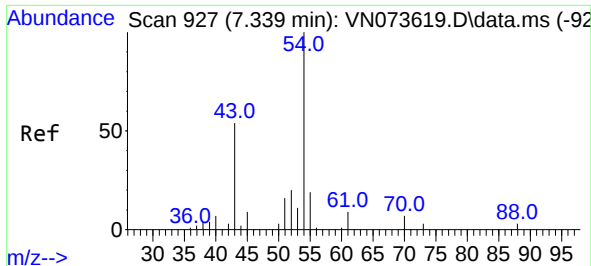
Tgt Ion:113 Resp: 288920
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.0
192 24.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.139 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

Tgt Ion: 75 Resp: 38970
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 25.1 37.7#

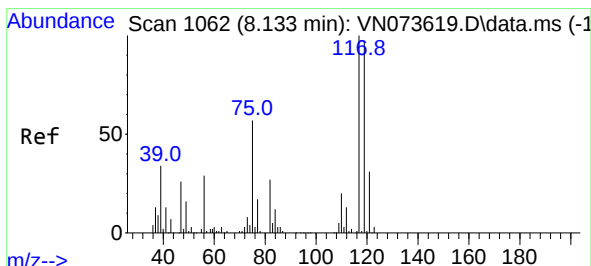
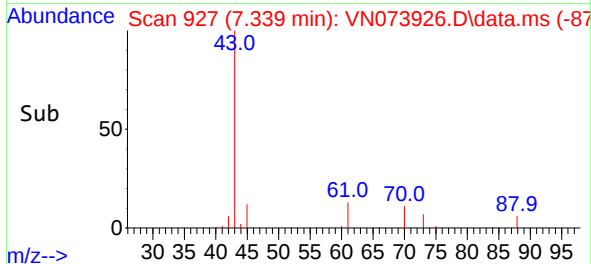
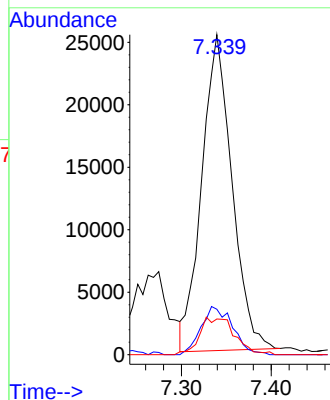
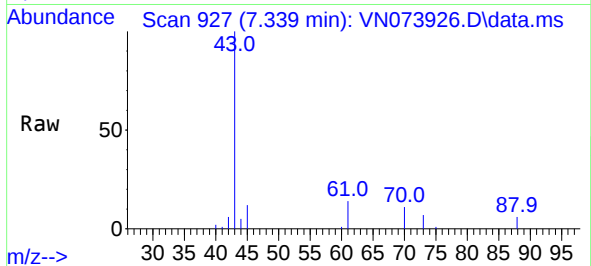




#37
Ethyl Acetate
Concen: 6.438 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

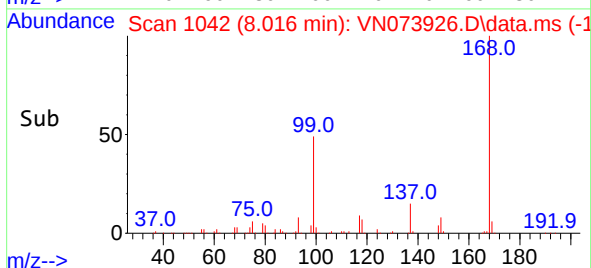
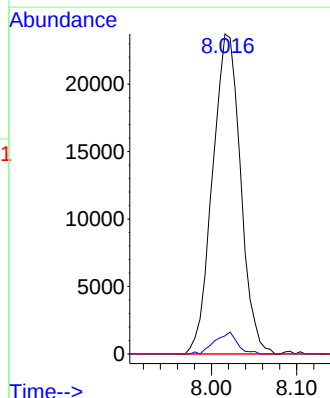
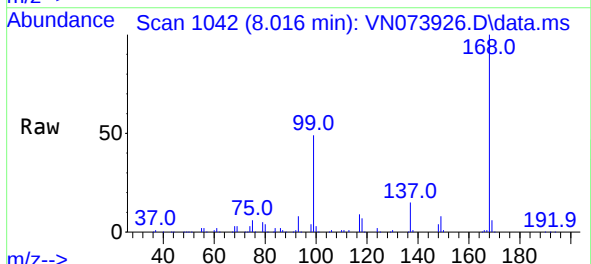
Instrument :
MSVOA_N
ClientSampleId :
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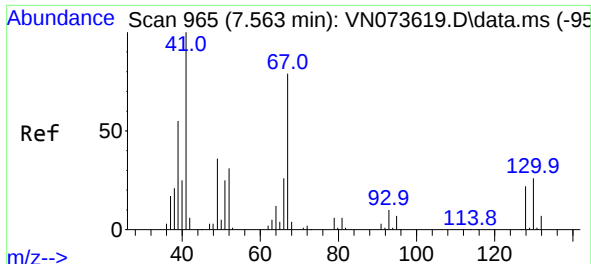
Tgt Ion:	43	Resp:	59142
Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.8	17.6
70	13.7	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.253 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

Tgt Ion:	117	Resp:	54196
Ion	Ratio	Lower	Upper
117	100		
119	5.7	75.8	113.8#
121	0.0	24.6	37.0#

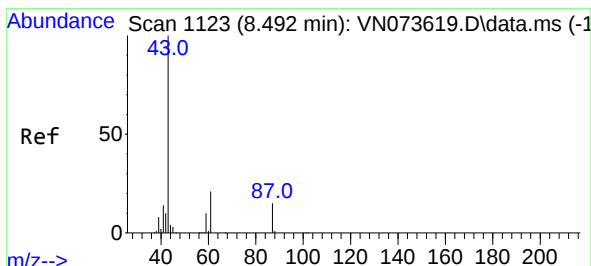
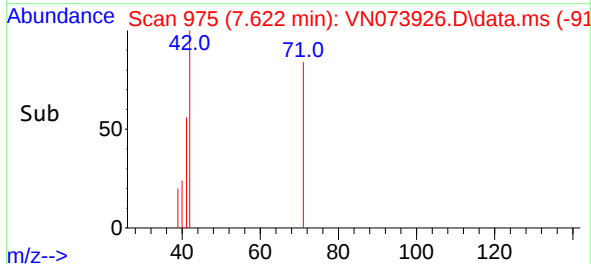
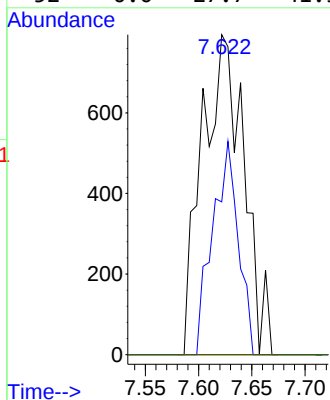
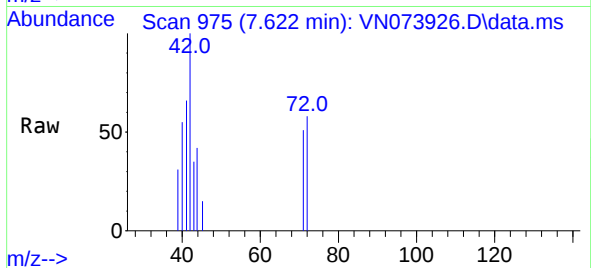




#41
Methacrylonitrile
Concen: 0.521 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

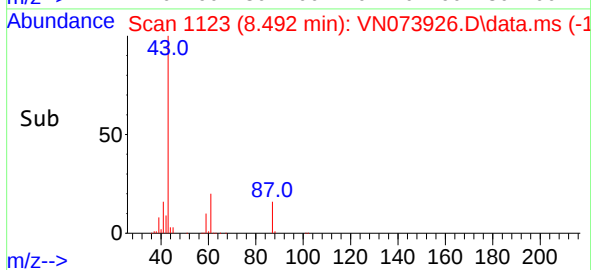
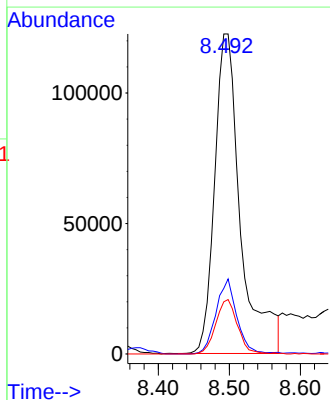
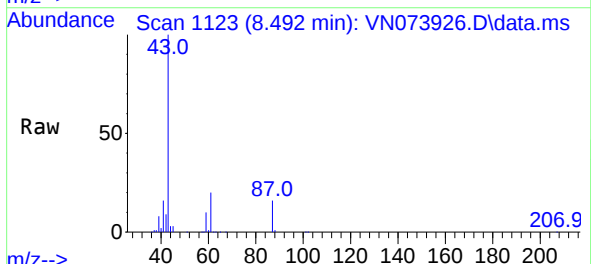
Instrument :
MSVOA_N
ClientSampleId :
S6

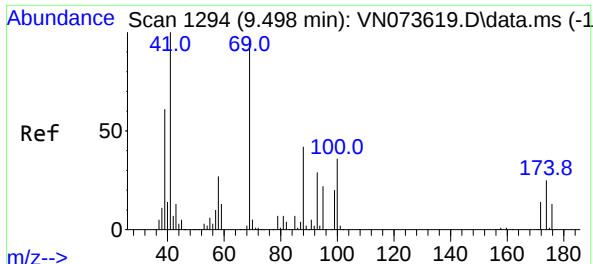
Tgt Ion:	41	Resp:	2161
Ion	Ratio	Lower	Upper
41	100		
39	41.0	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#43
Isopropyl Acetate
Concen: 23.696 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

Tgt Ion:	43	Resp:	310121
Ion	Ratio	Lower	Upper
43	100		
61	19.0	21.9	32.9#
87	14.2	12.0	18.0

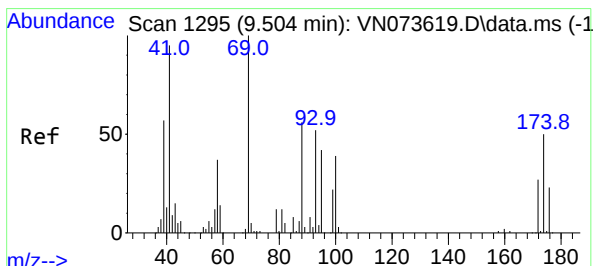
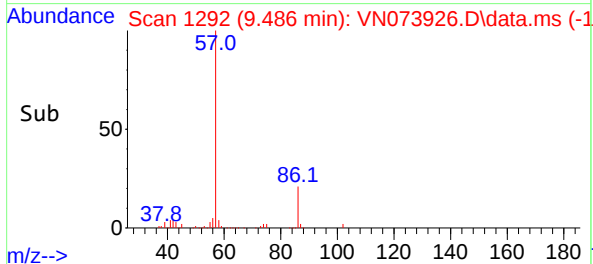
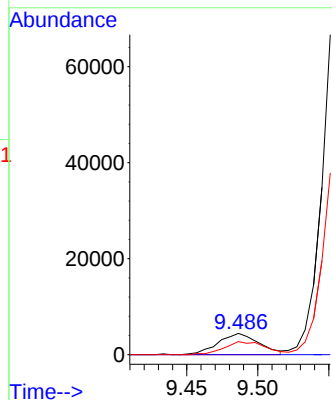
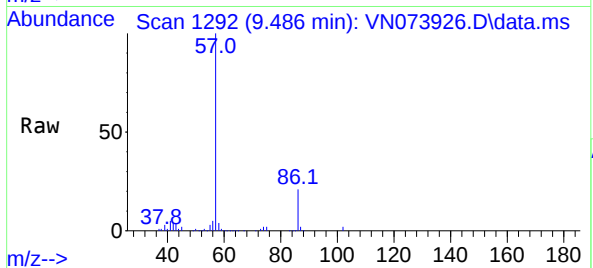




#48
Methyl methacrylate
Concen: 1.588 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

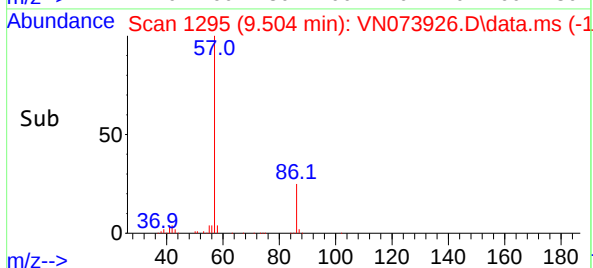
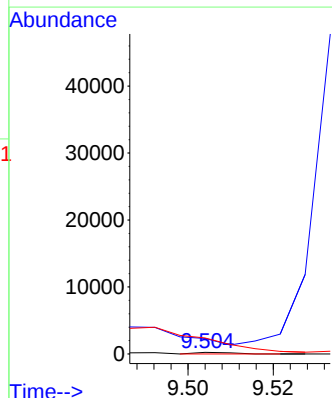
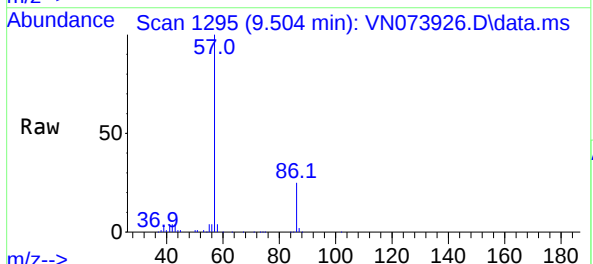
Instrument :
MSVOA_N
ClientSampleId :
S6

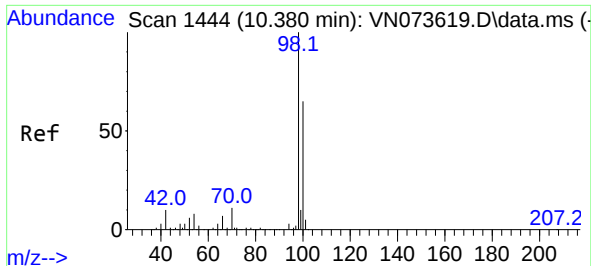
Tgt Ion: 41 Resp: 8890
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 62.8 45.6 68.4



#49
1,4-Dioxane
Concen: 0.865 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. -0.000 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

Tgt Ion: 88 Resp: 144
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#

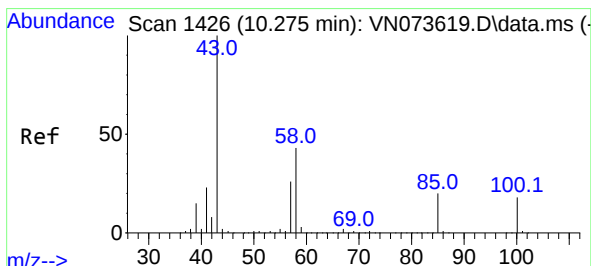
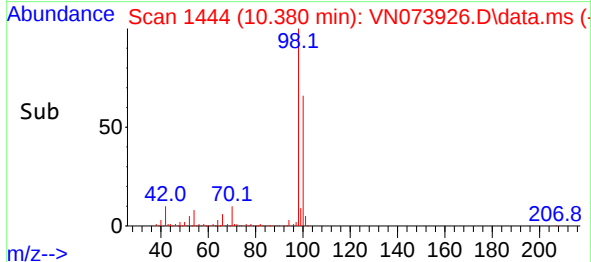
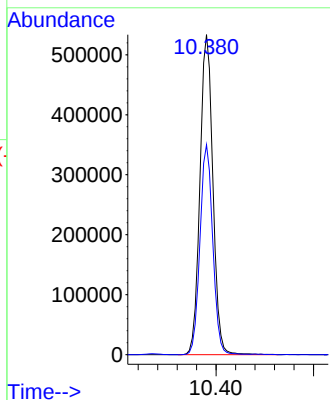
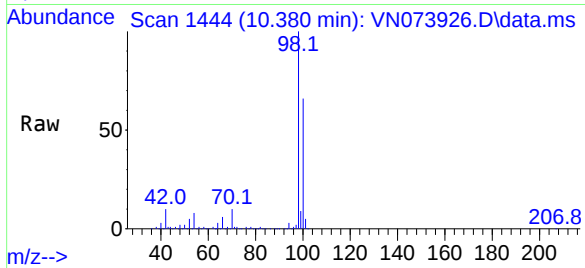




#50
Toluene-d8
Concen: 46.355 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

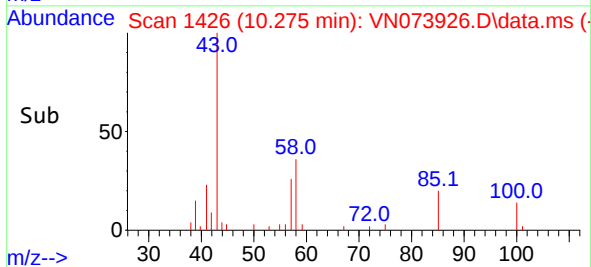
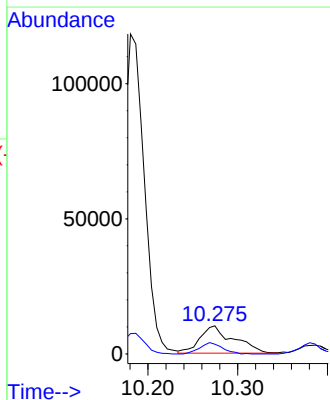
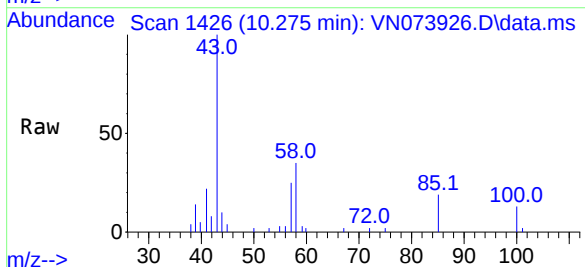
Instrument :
MSVOA_N
ClientSampleId :
S6

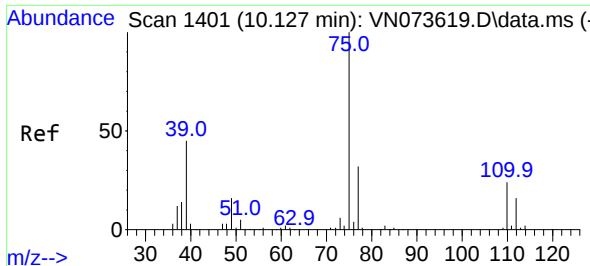
Tgt Ion: 98 Resp: 980151
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.981 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

Tgt Ion: 43 Resp: 26378
Ion Ratio Lower Upper
43 100
58 27.7 34.1 51.1#

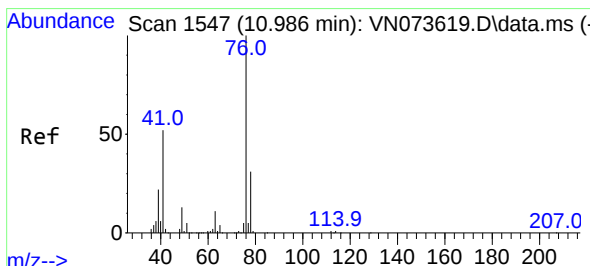
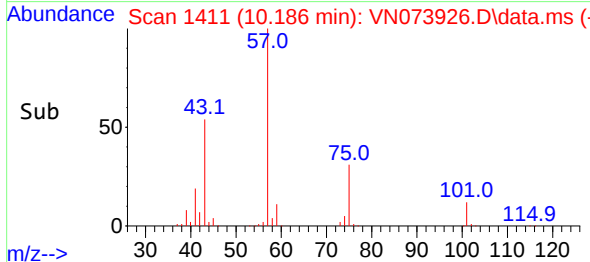
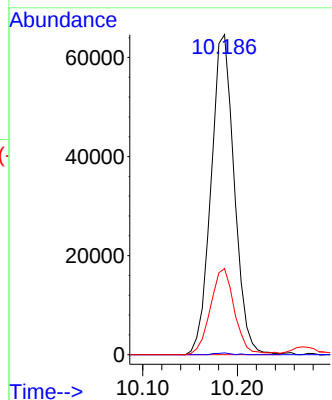
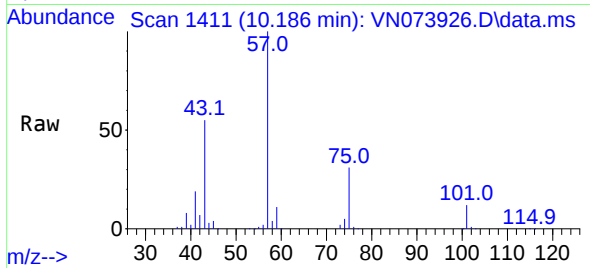




#54
 cis-1,3-Dichloropropene
 Concen: 11.513 ug/l
 RT: 10.186 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN073926.D
 Acq: 16 Aug 2022 04:33

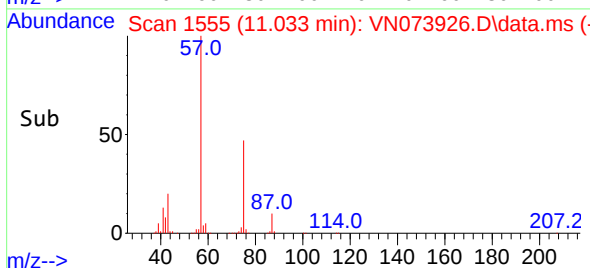
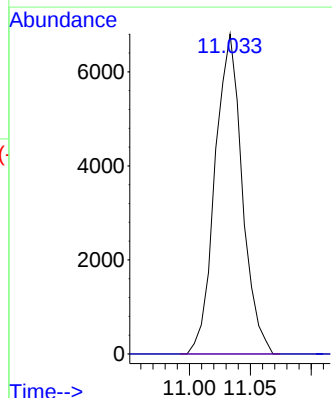
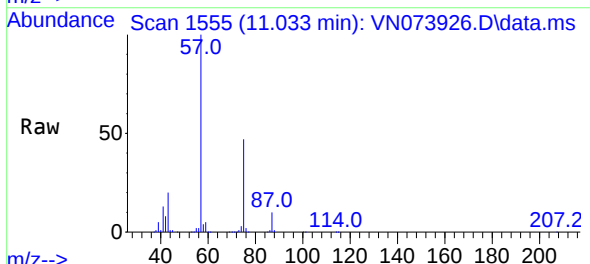
Instrument :
 MSVOA_N
 ClientSampleId :
 S6

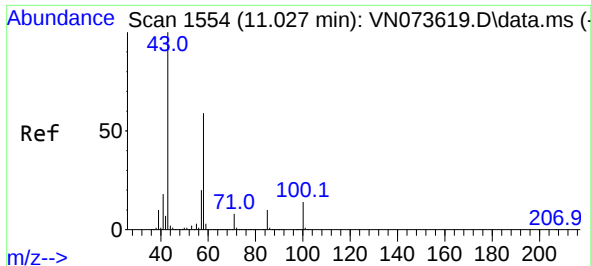
Tgt Ion: 75 Resp: 110191
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 26.9 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.019 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073926.D
 Acq: 16 Aug 2022 04:33

Tgt Ion: 76 Resp: 10579
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

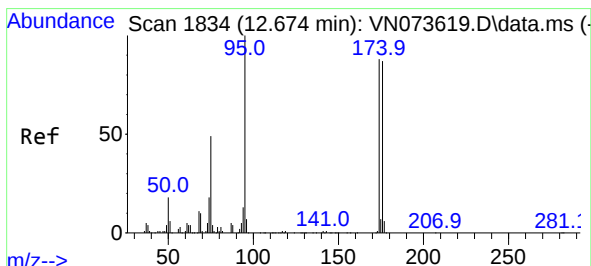
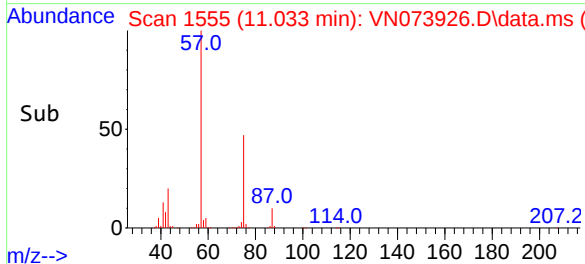
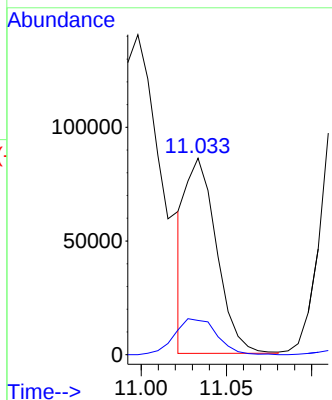
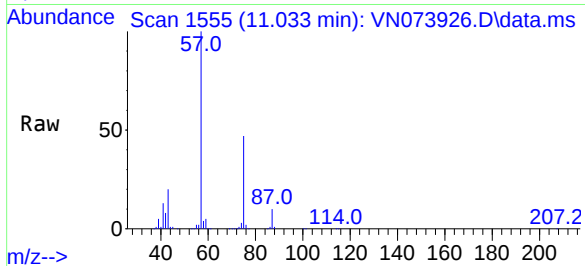




#59
2-Hexanone
Concen: 15.887 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

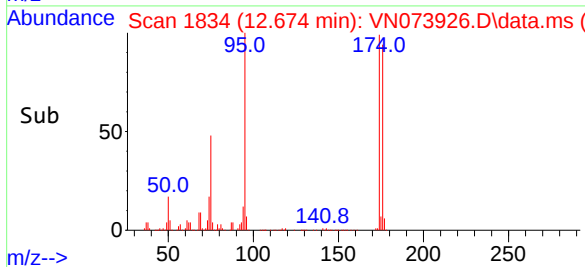
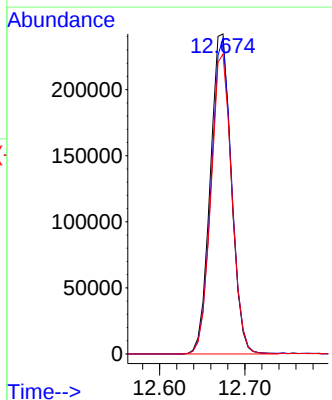
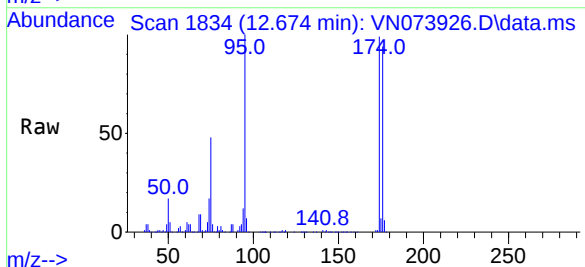
Instrument :
MSVOA_N
ClientSampleId :
S6

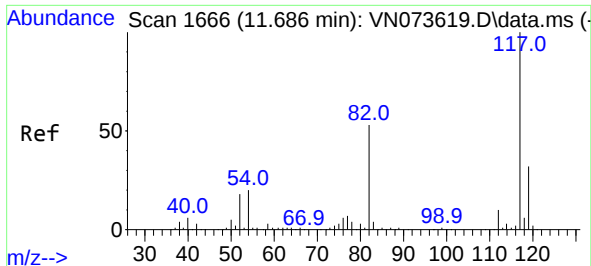
Tgt Ion: 43 Resp: 108190
Ion Ratio Lower Upper
43 100
58 25.3 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 58.974 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

Tgt Ion: 95 Resp: 413845
Ion Ratio Lower Upper
95 100
174 96.0 0.0 167.6
176 92.6 0.0 163.4

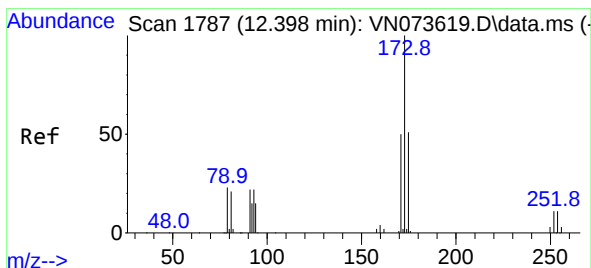
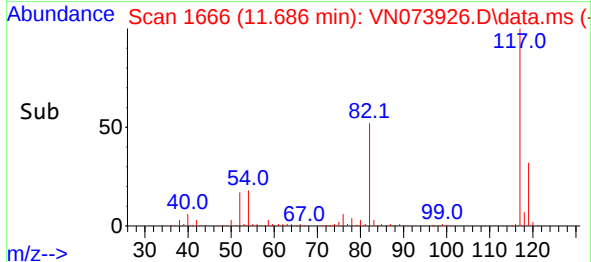
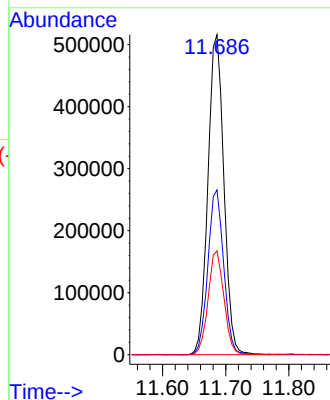
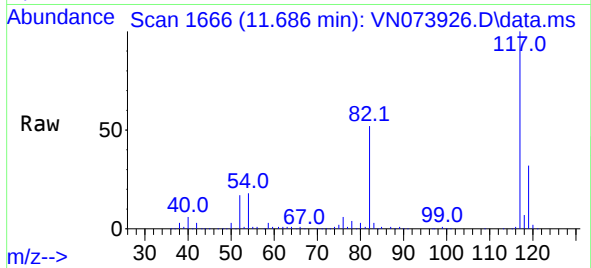




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

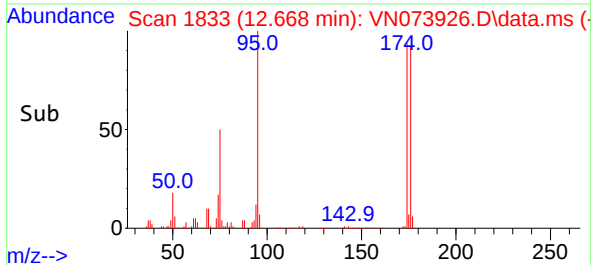
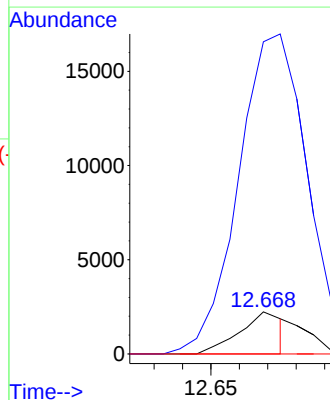
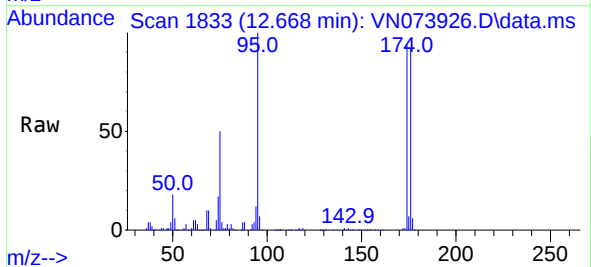
Instrument :
MSVOA_N
ClientSampleId :
S6

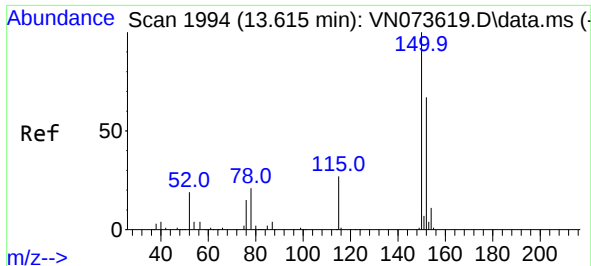
Tgt Ion:117 Resp: 906109
Ion Ratio Lower Upper
117 100
82 51.5 44.2 66.2
119 32.4 25.4 38.0



#71
Bromoform
Concen: 0.364 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

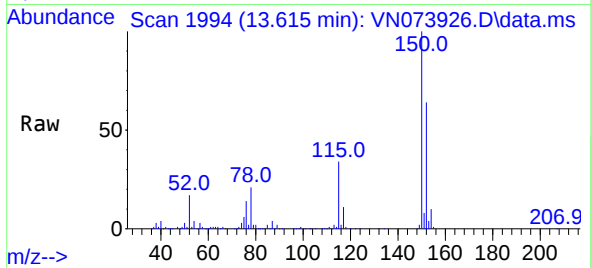
Tgt Ion:173 Resp: 2371
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



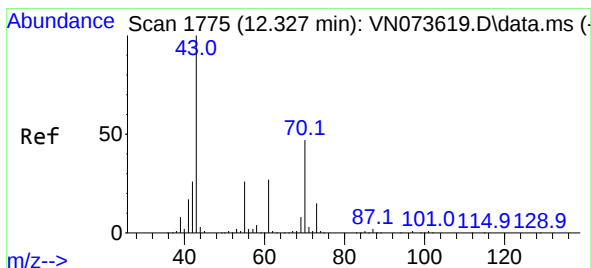
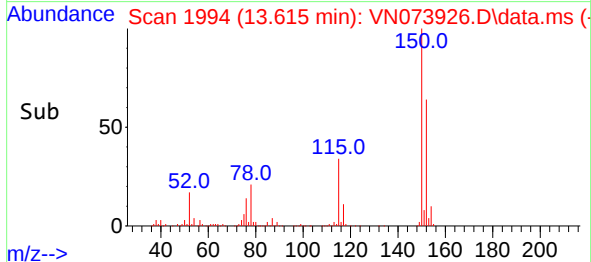
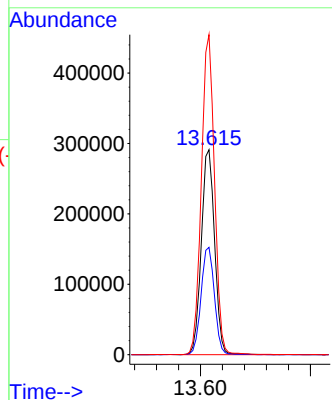


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

Instrument :
MSVOA_N
ClientSampleId :
S6

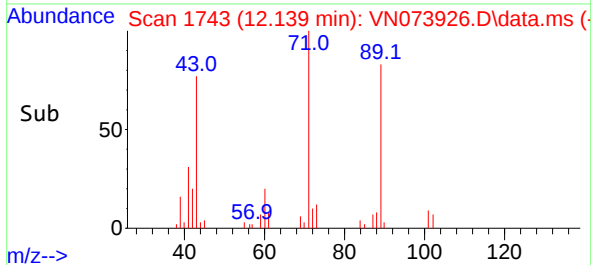
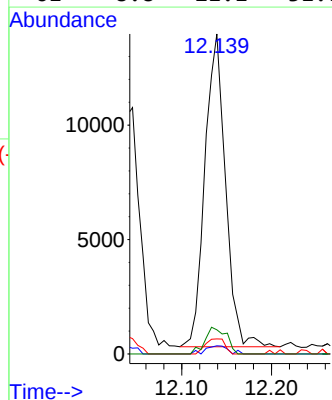
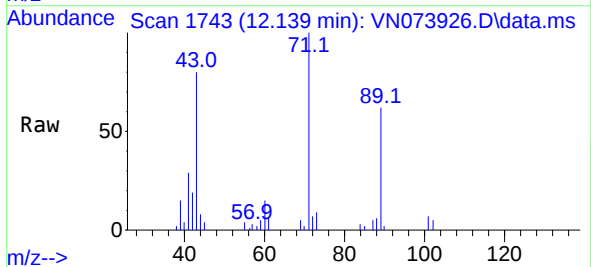


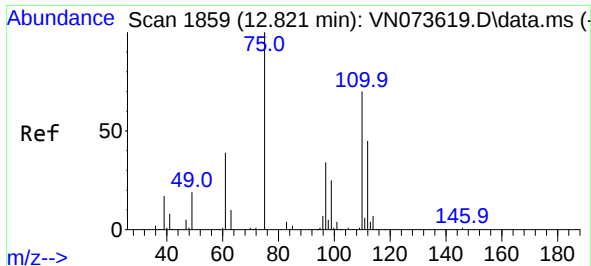
Tgt Ion:152 Resp: 490023
Ion Ratio Lower Upper
152 100
115 52.6 28.9 86.7
150 154.2 0.0 356.2



#74
N-ethyl acetate
Concen: 1.622 ug/l
RT: 12.139 min Scan# 1743
Delta R.T. -0.188 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

Tgt Ion: 43 Resp: 21879
Ion Ratio Lower Upper
43 100
70 2.9 39.0 58.4#
55 4.6 21.1 31.7#
61 8.8 21.1 31.7#

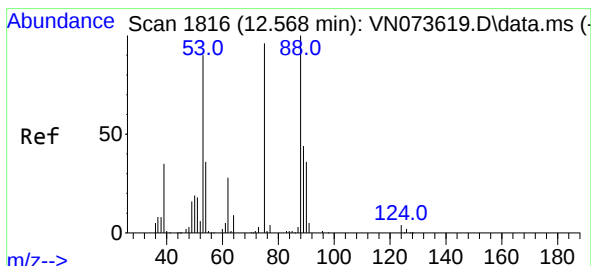
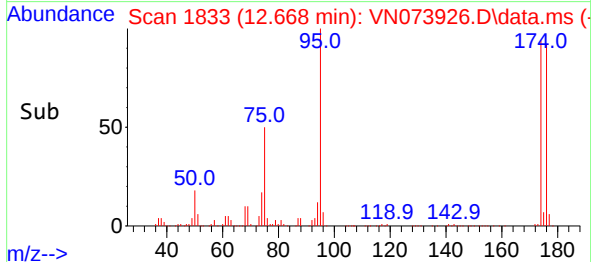
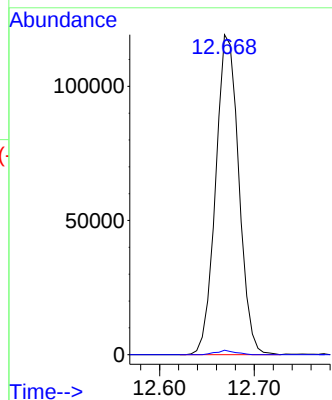
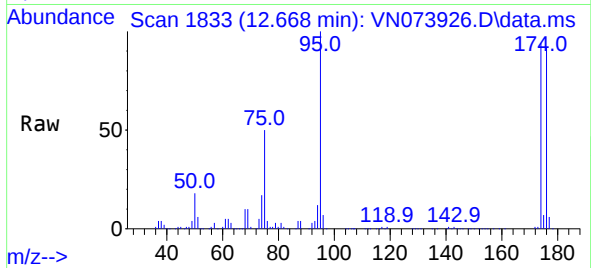




#76
1,2,3-Trichloropropane
Concen: 19.875 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

Instrument :
MSVOA_N
ClientSampleId :
S6

Tgt Ion: 75 Resp: 202431
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.529 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.100 min
Lab File: VN073926.D
Acq: 16 Aug 2022 04:33

Tgt Ion: 75 Resp: 202431
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

