

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102722\
 Data File : VN075042.D
 Acq On : 27 Oct 2022 15:43
 Operator : JC\MD
 Sample : N5284-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 28 02:14:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

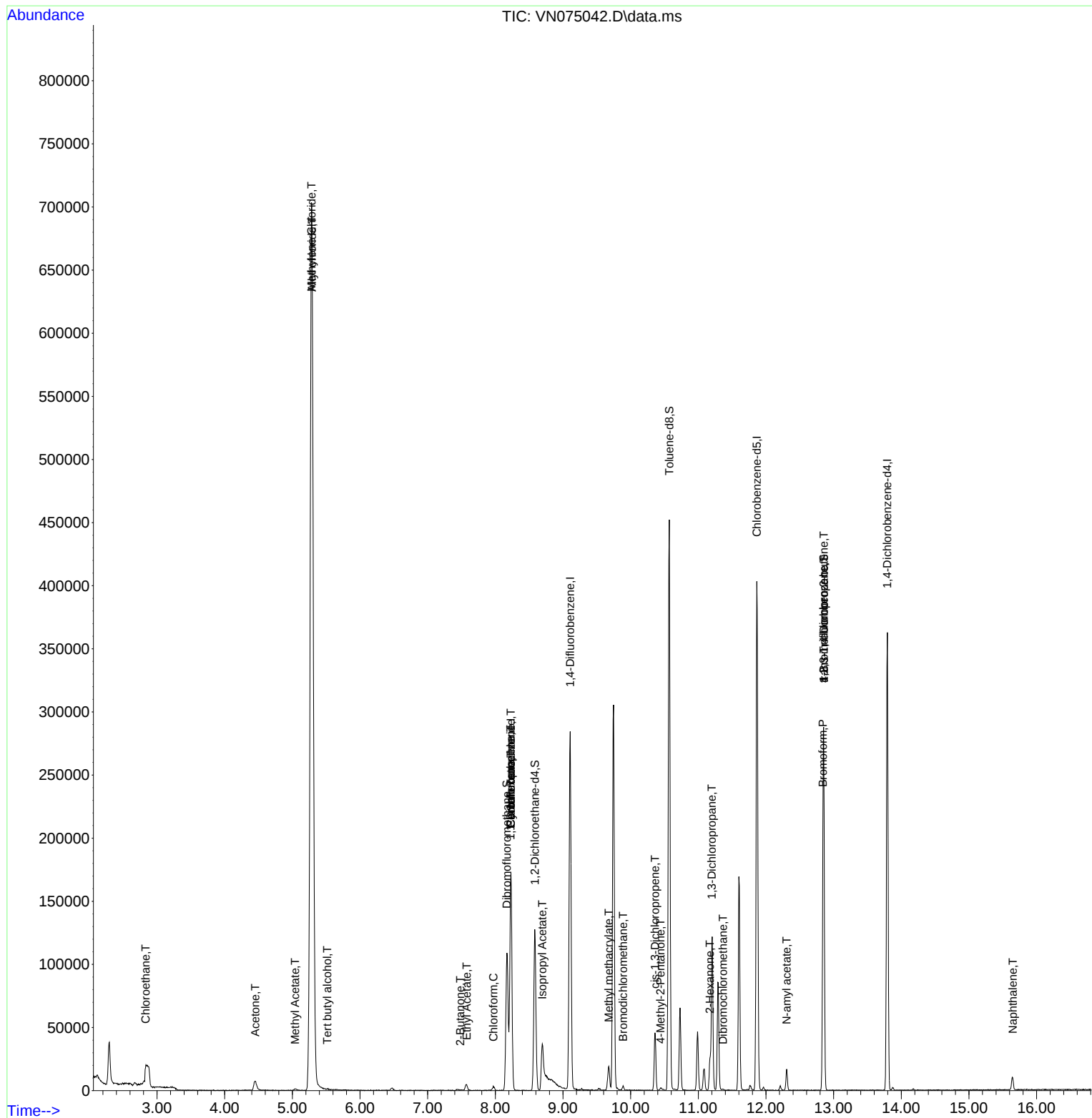
Internal Standards						
1) Pentafluorobenzene	8.230	168	121245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	246523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	101886	62.368	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.740%			
35) Dibromofluoromethane	8.171	113	78890	54.512	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.020%			
50) Toluene-d8	10.571	98	309508	55.124	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.240%			
62) 4-Bromofluorobenzene	12.853	95	98605	49.993	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.980%			
Target Compounds						Qvalue
5) Bromomethane	2.889	94	74	Below Cal	#	5
6) Chloroethane	2.830	64	22687	13.238	ug/l #	58
11) Tert butyl alcohol	5.518	59	199	0.522	ug/l #	72
14) Allyl chloride	5.289	41	12757	6.796	ug/l #	19
16) Acetone	4.453	43	15175	21.938	ug/l	100
18) Methyl Acetate	5.042	43	2405	1.064	ug/l #	65
20) Methylene Chloride	5.283	84	584095	378.718	ug/l	95
25) 2-Butanone	7.483	43	976	0.897	ug/l #	43
30) Chloroform	7.971	83	3204	1.126	ug/l	90
31) Cyclohexane	8.230	56	3157	1.299	ug/l #	55
36) 1,1-Dichloropropene	8.224	75	10688	4.770	ug/l #	49
37) Ethyl Acetate	7.577	43	7395	3.010	ug/l #	86
38) Carbon Tetrachloride	8.230	117	13320	5.405	ug/l #	16
43) Isopropyl Acetate	8.694	43	43562	11.429	ug/l #	77
47) Bromodichloromethane	9.888	83	1590	0.646	ug/l #	93
48) Methyl methacrylate	9.677	41	1050	0.601	ug/l #	32
51) 4-Methyl-2-Pentanone	10.441	43	1870	0.760	ug/l #	75
54) cis-1,3-Dichloropropene	10.359	75	8851	3.210	ug/l #	68
57) 1,3-Dichloropropane	11.200	76	1322	0.437	ug/l #	42
59) 2-Hexanone	11.171	43	19451	10.420	ug/l #	21
60) Dibromochloromethane	11.365	129	646	0.337	ug/l	81
71) Bromoform	12.841	173	687	0.512	ug/l #	1
74) N-amyl acetate	12.306	43	5149	1.854	ug/l #	44
76) 1,2,3-Trichloropropane	12.853	75	55193	27.796	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	55193	71.351	ug/l #	10
95) Naphthalene	15.647	128	10158	1.908	ug/l	99

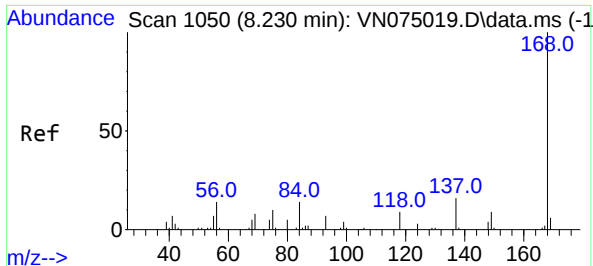
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102722\
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Sample : N5284-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

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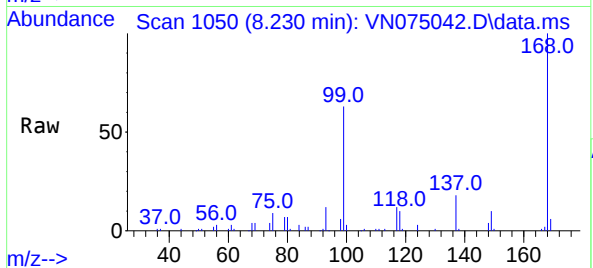
Quant Time: Oct 28 02:14:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
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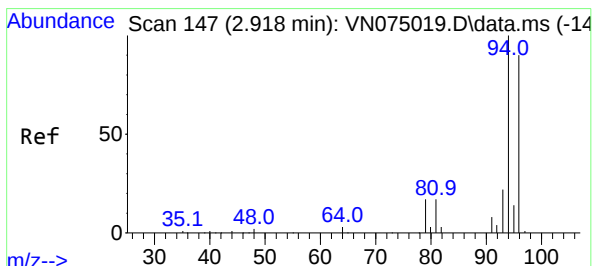
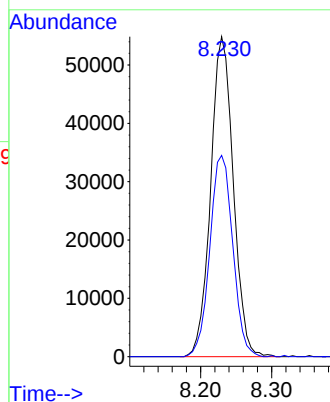
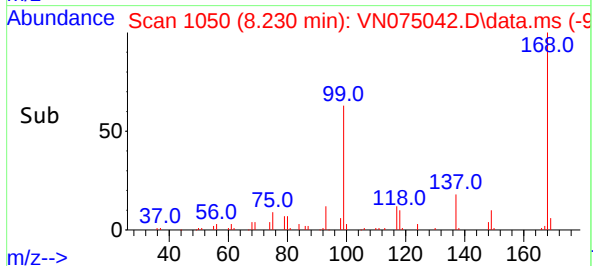


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

Instrument :
MSVOA_N
ClientSampleId :

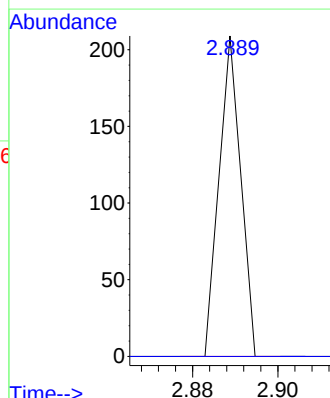
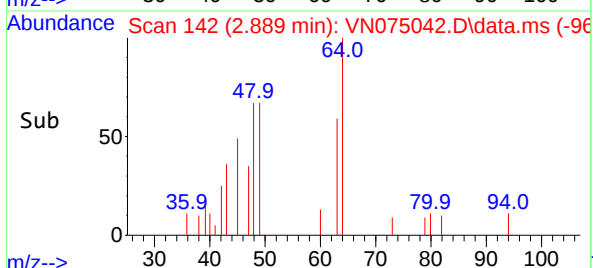
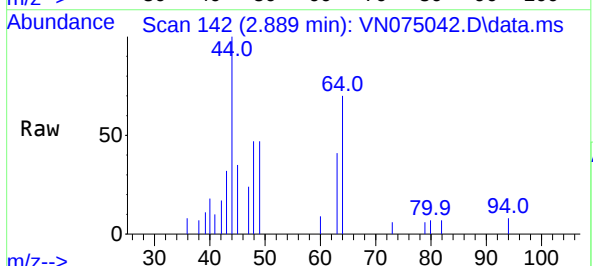


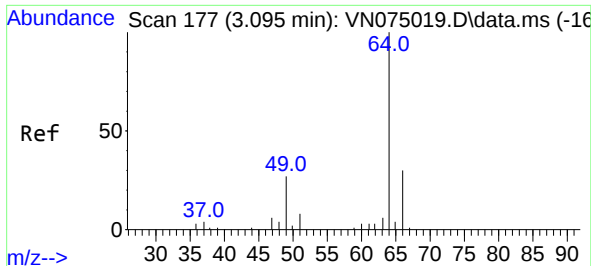
Tgt Ion:168 Resp: 121245
Ion Ratio Lower Upper
168 100
99 62.9 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.889 min Scan# 142
Delta R.T. -0.029 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

Tgt Ion: 94 Resp: 74
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

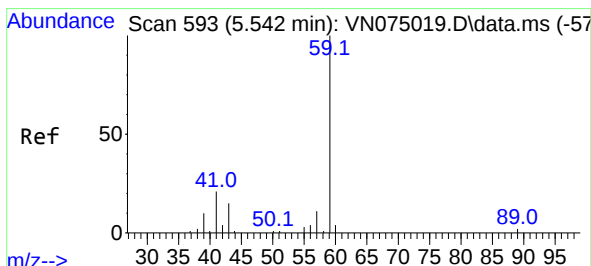
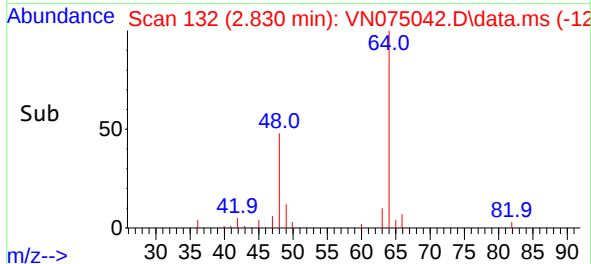
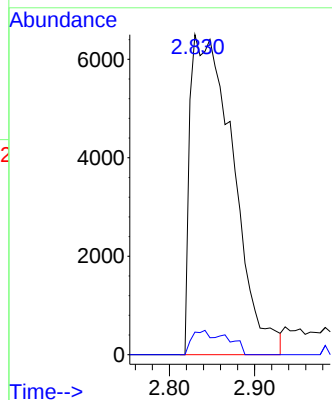
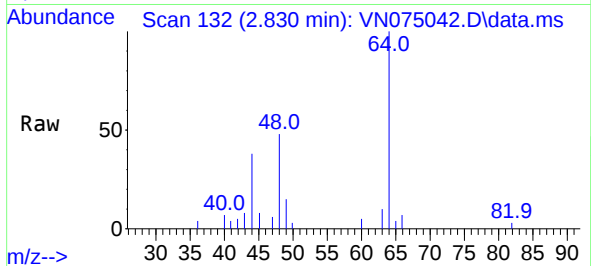




#6
Chloroethane
Concen: 13.238 ug/l
RT: 2.830 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

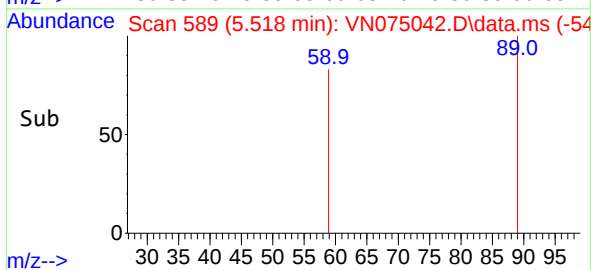
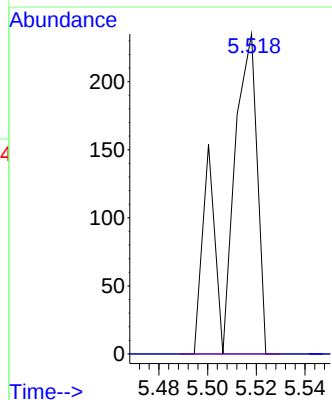
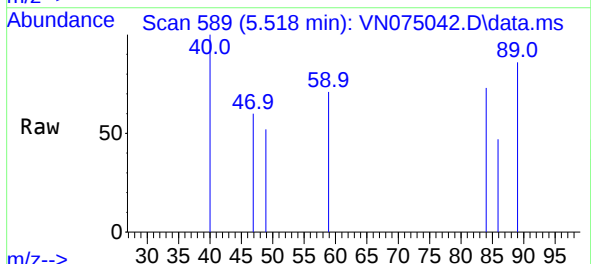
Instrument :
MSVOA_N
ClientSampleId :

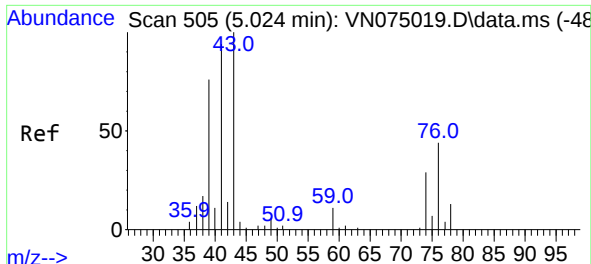
Tgt Ion: 64 Resp: 22687
Ion Ratio Lower Upper
64 100
66 7.1 23.8 35.8#



#11
Tert butyl alcohol
Concen: 0.522 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.024 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

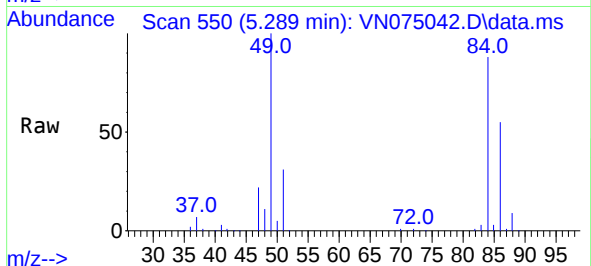
Tgt Ion: 59 Resp: 199
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



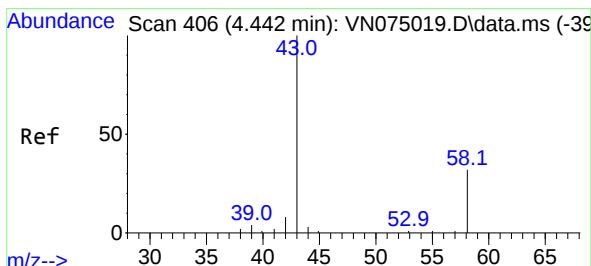
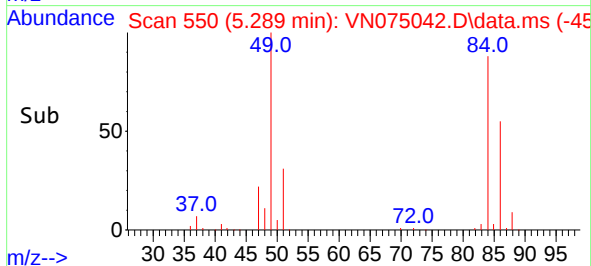
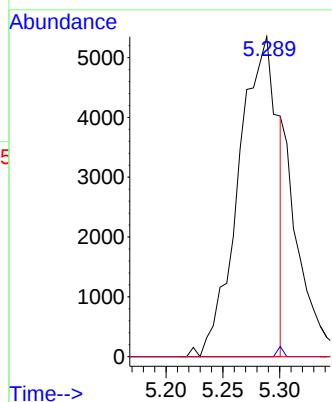


#14
 Allyl chloride
 Concen: 6.796 ug/l
 RT: 5.289 min Scan# 51
 Delta R.T. 0.265 min
 Lab File: VN075042.D
 Acq: 27 Oct 2022 15:43

Instrument :
 MSVOA_N
 ClientSampleId :

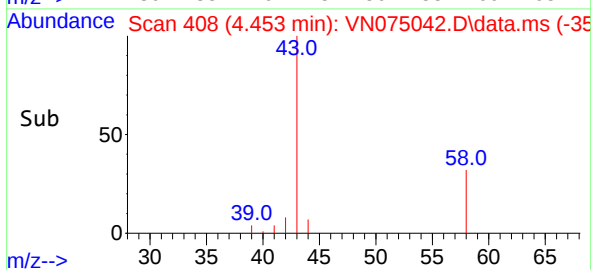
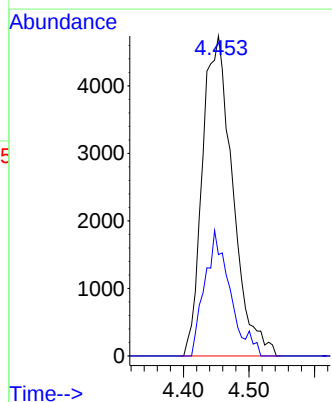
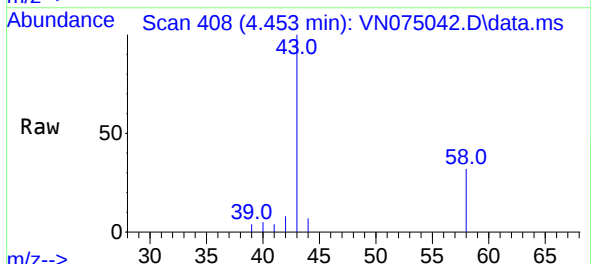


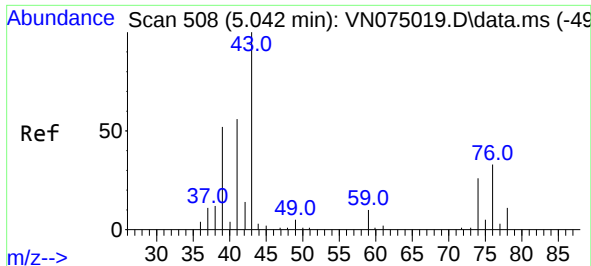
Tgt Ion: 41 Resp: 12757
 Ion Ratio Lower Upper
 41 100
 39 0.0 61.0 91.4#
 76 0.0 33.4 50.0#



#16
 Acetone
 Concen: 21.938 ug/l
 RT: 4.453 min Scan# 408
 Delta R.T. 0.011 min
 Lab File: VN075042.D
 Acq: 27 Oct 2022 15:43

Tgt Ion: 43 Resp: 15175
 Ion Ratio Lower Upper
 43 100
 58 31.7 25.5 38.3

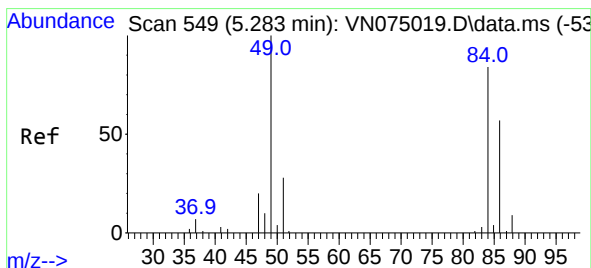
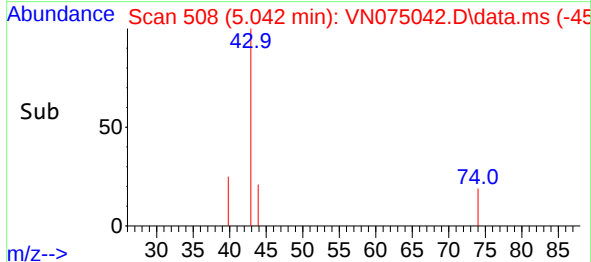
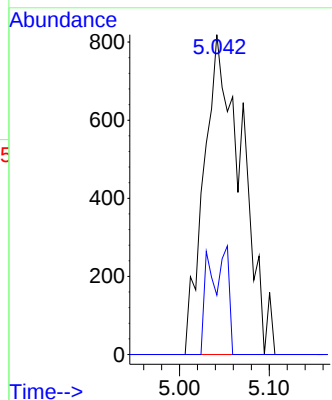
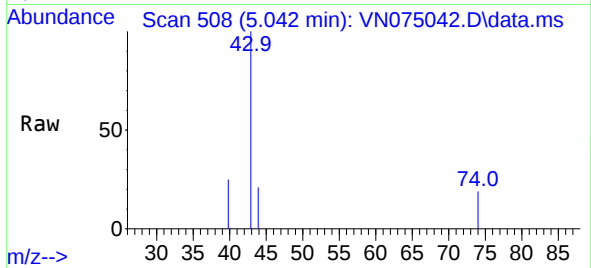




#18
Methyl Acetate
Concen: 1.064 ug/l
RT: 5.042 min Scan# 508
Delta R.T. -0.000 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

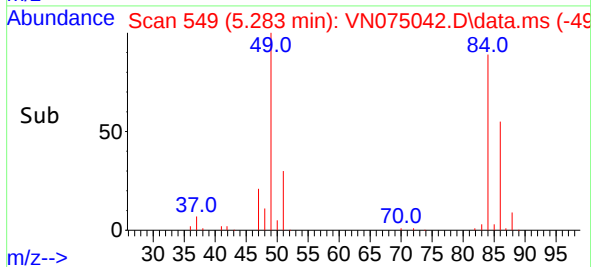
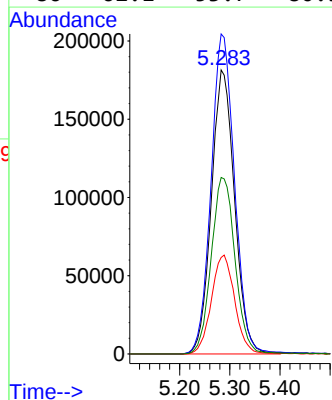
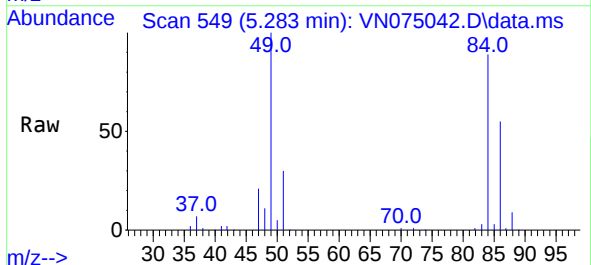
Instrument :
MSVOA_N
ClientSampleId :

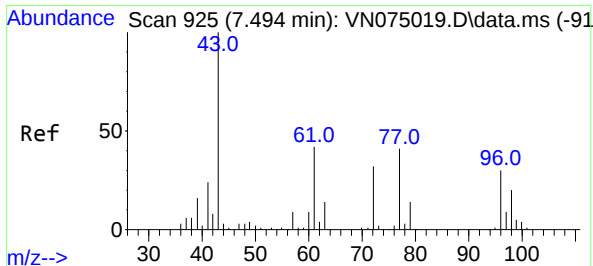
Tgt Ion: 43 Resp: 2405
Ion Ratio Lower Upper
43 100
74 9.0 22.0 33.0#



#20
Methylene Chloride
Concen: 378.718 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

Tgt Ion: 84 Resp: 584095
Ion Ratio Lower Upper
84 100
49 112.7 94.9 142.3
51 34.0 26.8 40.2
86 62.1 53.7 80.5

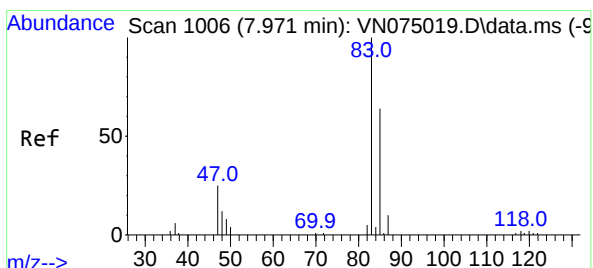
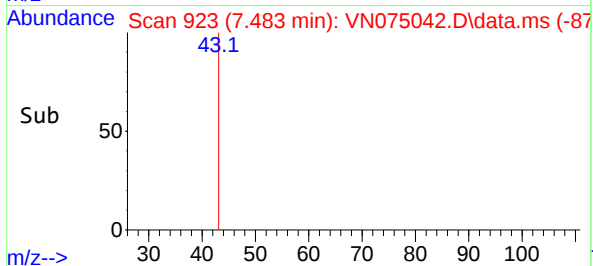
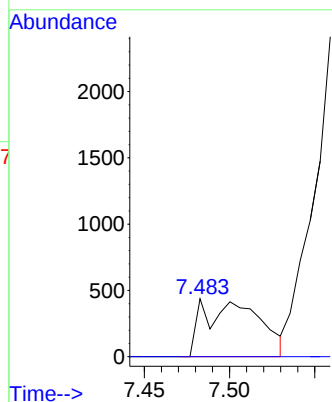
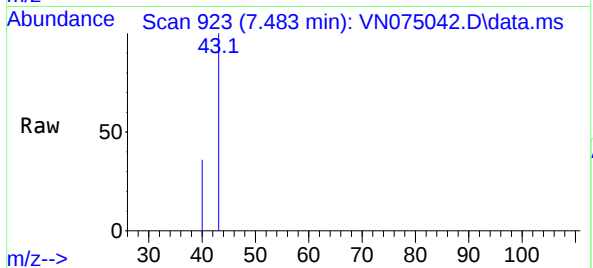




#25
2-Butanone
Concen: 0.897 ug/l
RT: 7.483 min Scan# 91
Delta R.T. -0.011 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

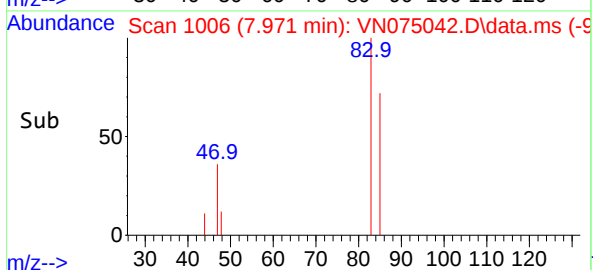
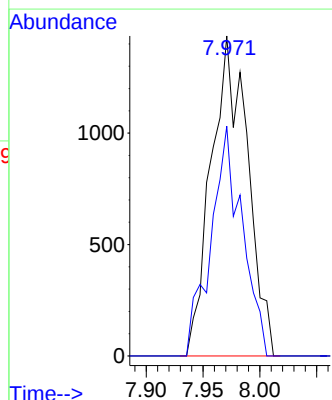
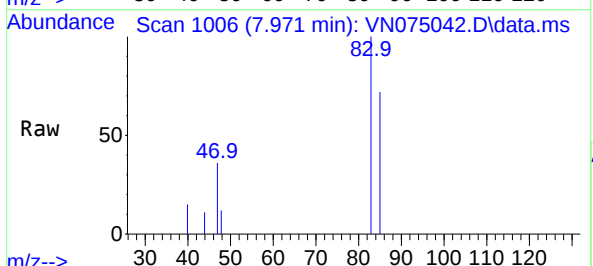
Instrument :
MSVOA_N
ClientSampleId :

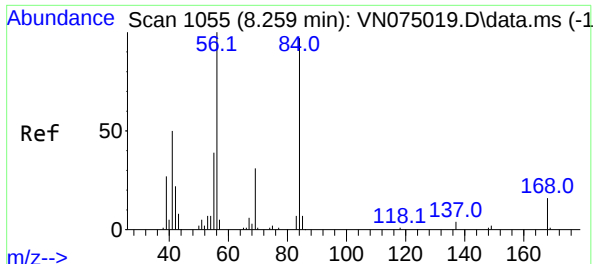
Tgt Ion: 43 Resp: 976
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#30
Chloroform
Concen: 1.126 ug/l
RT: 7.971 min Scan# 1006
Delta R.T. -0.000 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

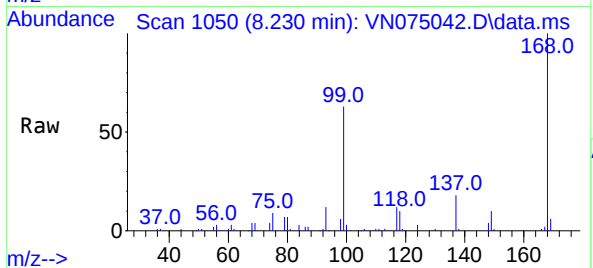
Tgt Ion: 83 Resp: 3204
Ion Ratio Lower Upper
83 100
85 71.8 51.4 77.0



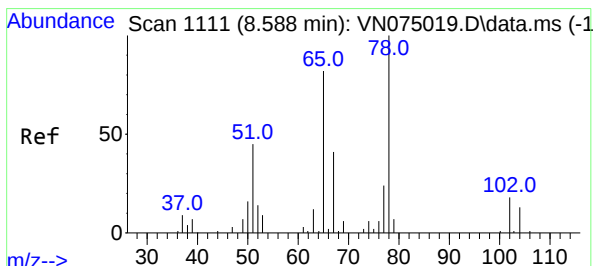
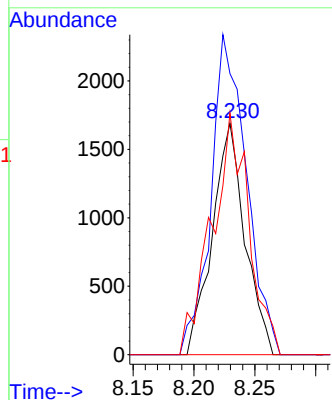
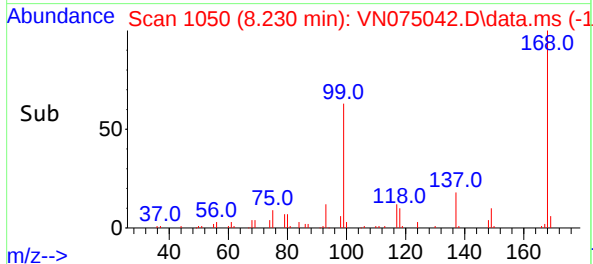


#31
Cyclohexane
Concen: 1.299 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.029 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

Instrument :
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ClientSampleId :

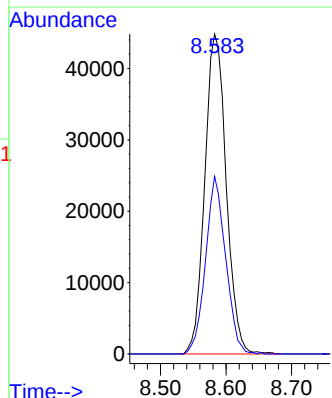
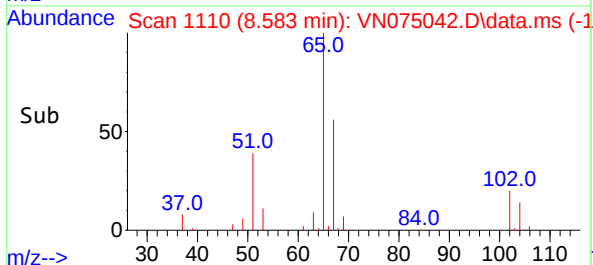
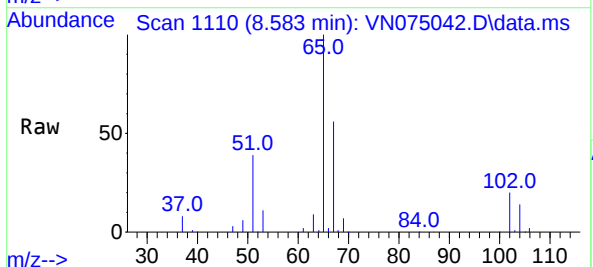


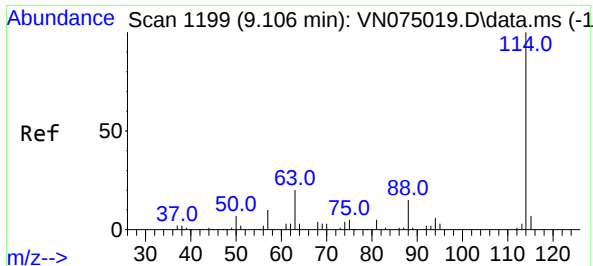
Tgt Ion: 56 Resp: 3157
Ion Ratio Lower Upper
56 100
69 121.5 25.2 37.8#
84 104.3 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 62.368 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

Tgt Ion: 65 Resp: 101886
Ion Ratio Lower Upper
65 100
67 52.1 0.0 102.0

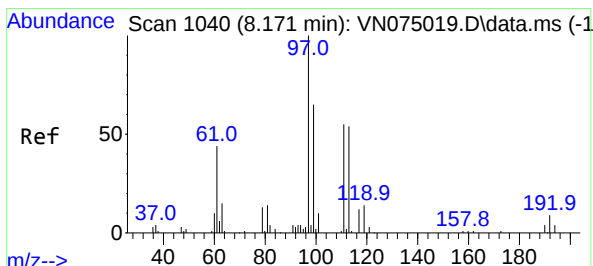
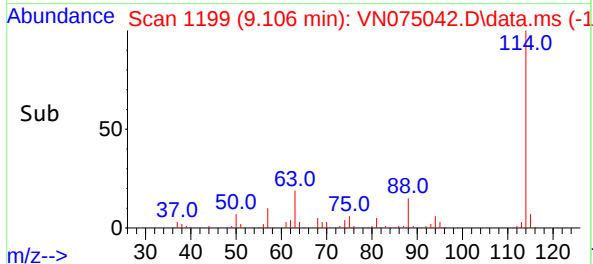
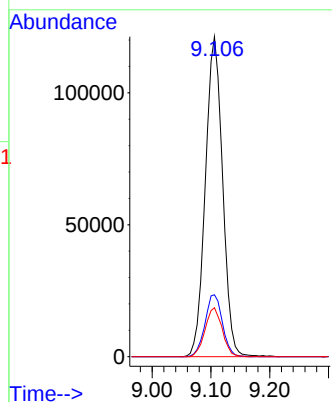
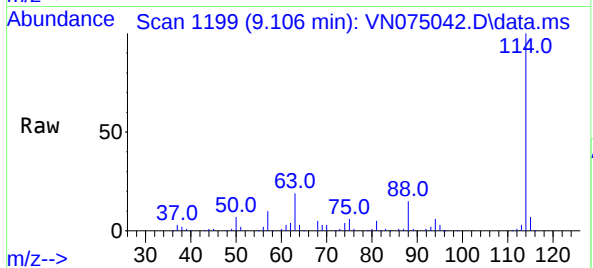




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

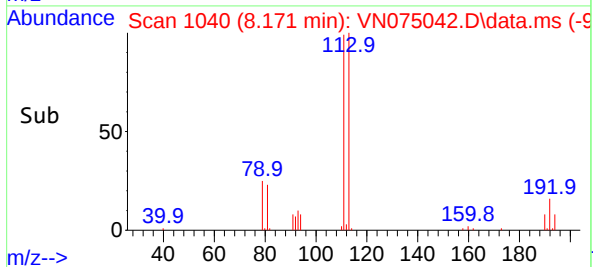
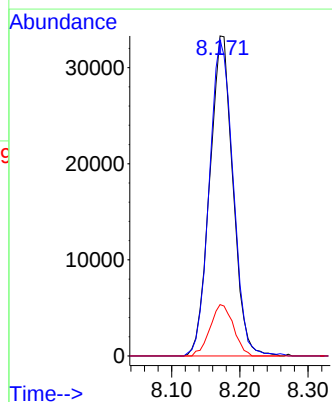
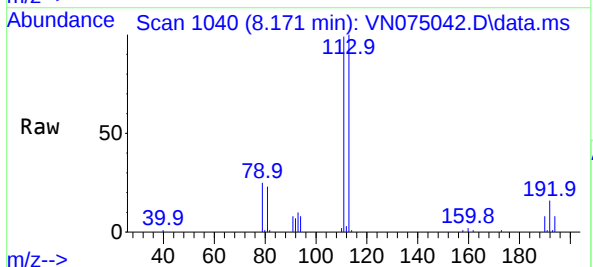
Instrument :
MSVOA_N
ClientSampleId :

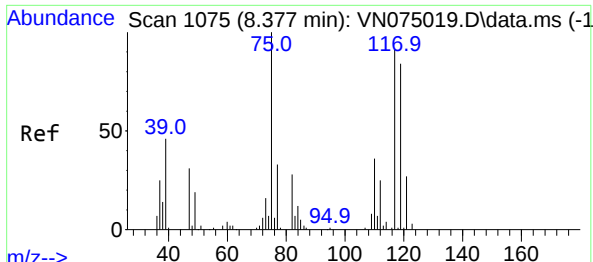
Tgt Ion:114 Resp: 246523
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.6
88 15.3 0.0 29.0



#35
Dibromofluoromethane
Concen: 54.512 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

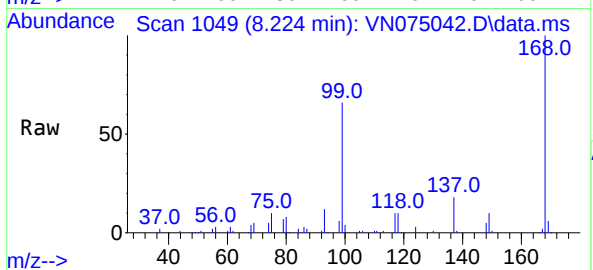
Tgt Ion:113 Resp: 78890
Ion Ratio Lower Upper
113 100
111 101.3 80.5 120.7
192 16.1 13.2 19.8



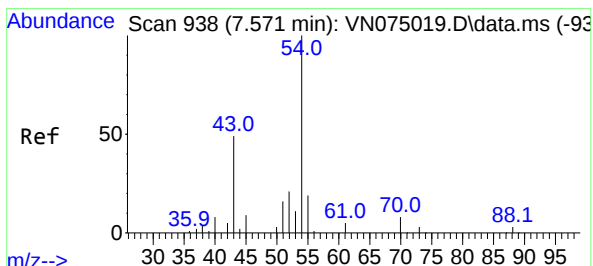
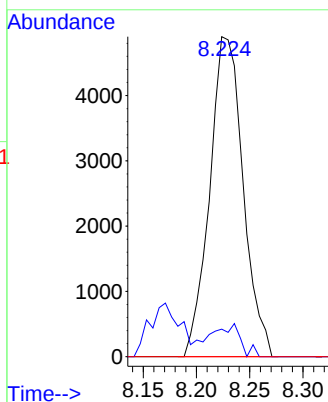
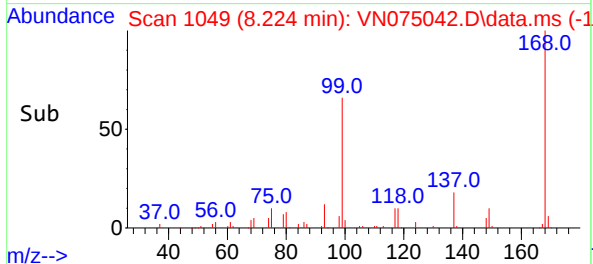


#36
1,1-Dichloropropene
Concen: 4.770 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

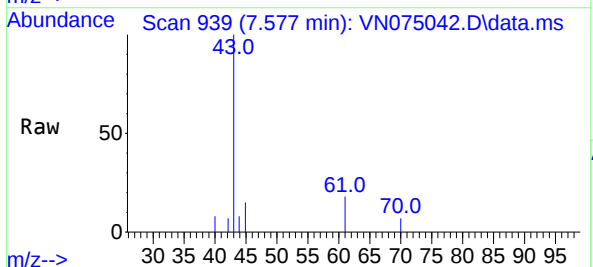
Instrument :
MSVOA_N
ClientSampleId :



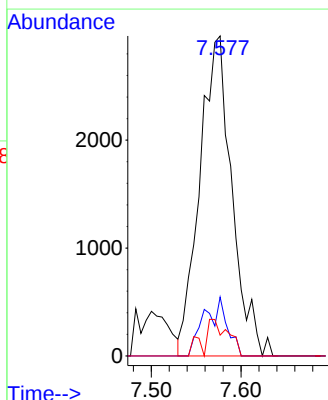
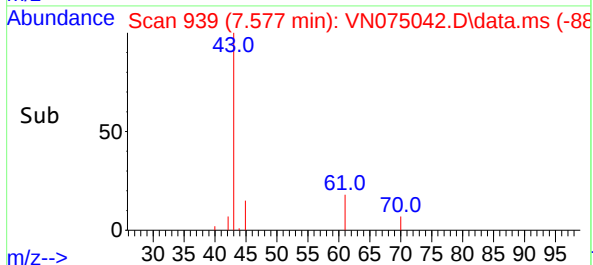
Tgt Ion: 75 Resp: 10688
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.3#
77 0.0 24.6 37.0#

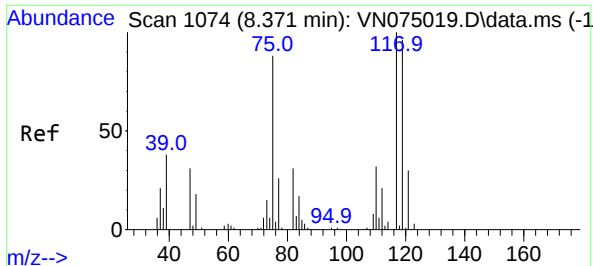


#37
Ethyl Acetate
Concen: 3.010 ug/l
RT: 7.577 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43



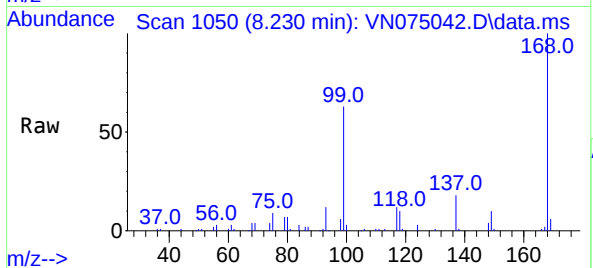
Tgt Ion: 43 Resp: 7395
Ion Ratio Lower Upper
43 100
61 7.3 12.2 18.4#
70 8.7 9.4 14.2#



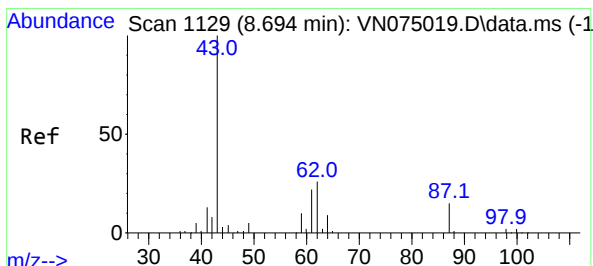
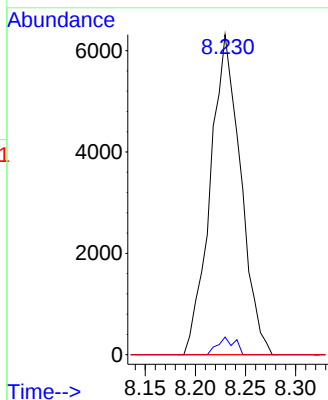
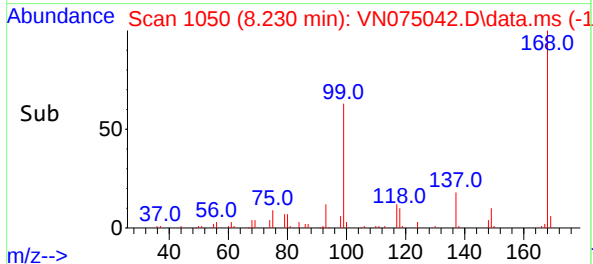


#38
Carbon Tetrachloride
Concen: 5.405 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

Instrument :
MSVOA_N
ClientSampleId :

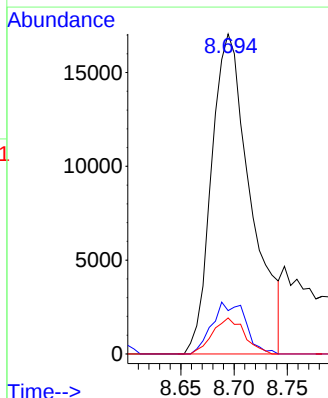
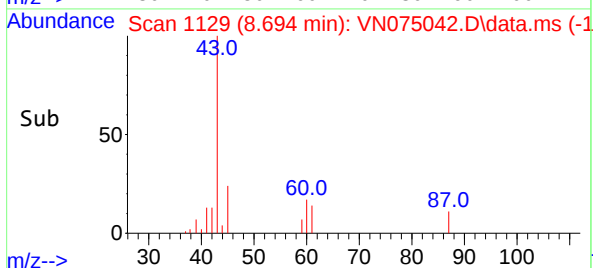
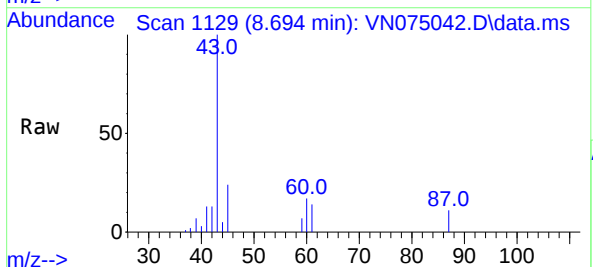


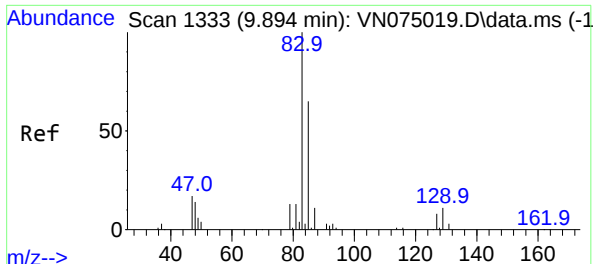
Tgt Ion:117 Resp: 13320
Ion Ratio Lower Upper
117 100
119 5.5 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 11.429 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

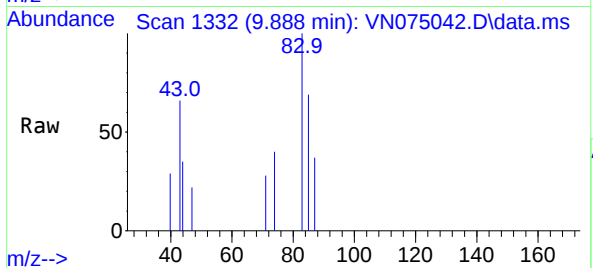
Tgt Ion: 43 Resp: 43562
Ion Ratio Lower Upper
43 100
61 13.9 22.4 33.6#
87 9.2 12.5 18.7#



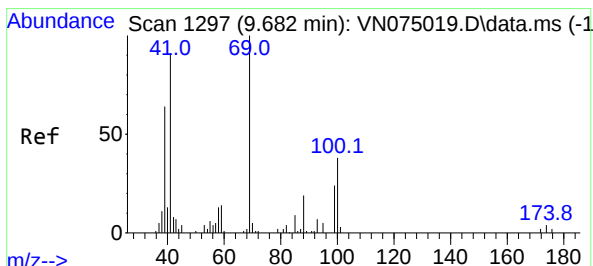
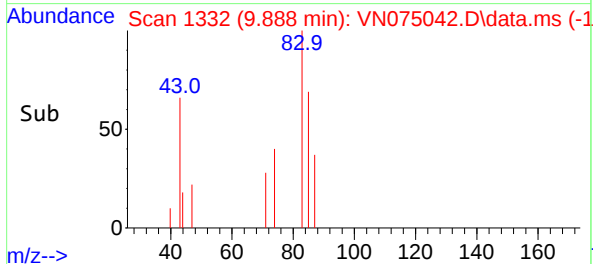
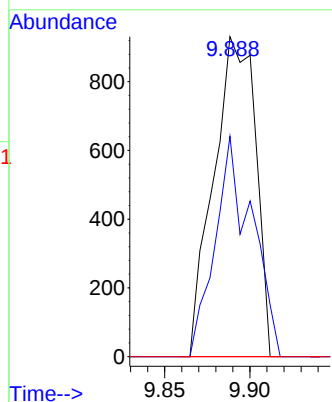


#47
Bromodichloromethane
Concen: 0.646 ug/l
RT: 9.888 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

Instrument :
MSVOA_N
ClientSampleId :

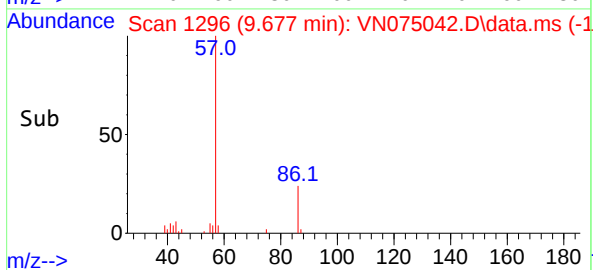
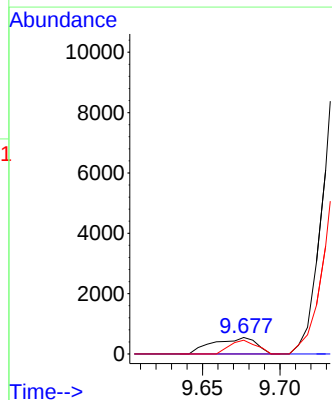
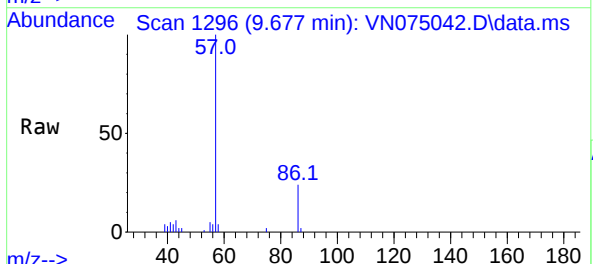


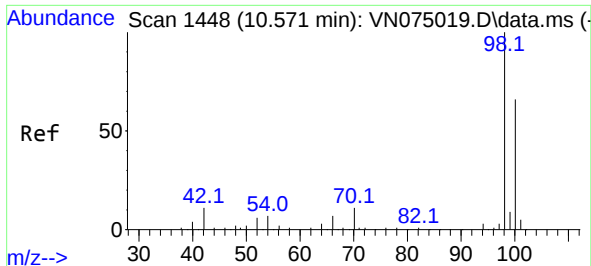
Tgt Ion: 83 Resp: 1590
Ion Ratio Lower Upper
83 100
85 68.9 52.1 78.1
127 0.0 6.6 10.0#



#48
Methyl methacrylate
Concen: 0.601 ug/l
RT: 9.677 min Scan# 1296
Delta R.T. -0.005 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

Tgt Ion: 41 Resp: 1050
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 52.0 56.2 84.2#

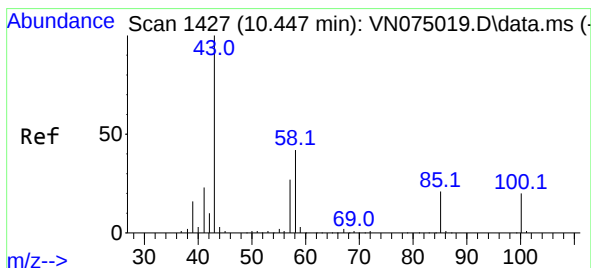
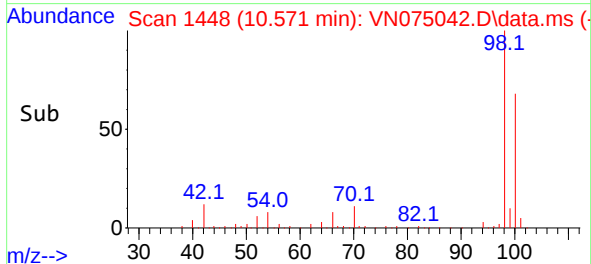
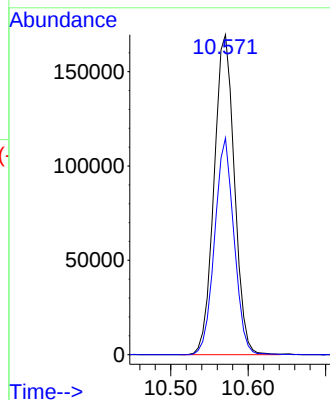
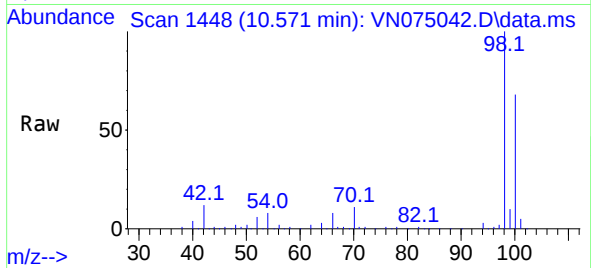




#50
Toluene-d8
Concen: 55.124 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

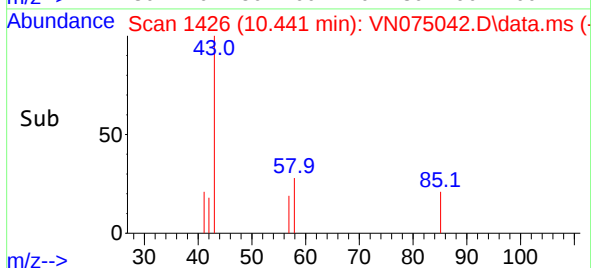
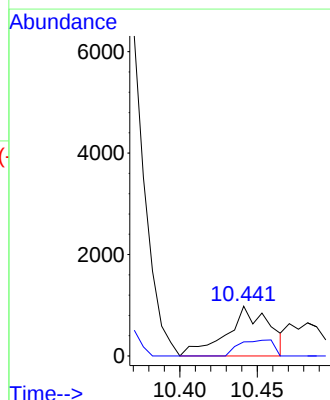
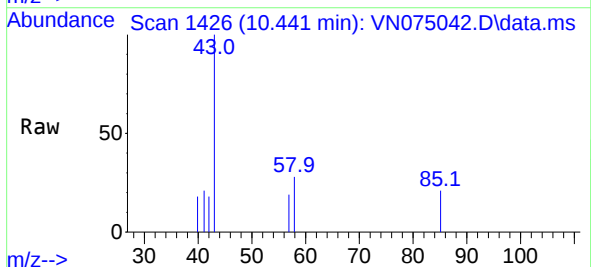
Instrument :
MSVOA_N
ClientSampleId :

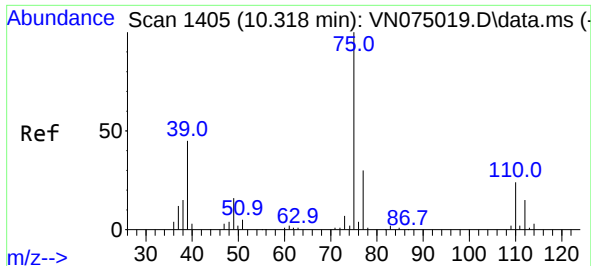
Tgt Ion: 98 Resp: 309508
Ion Ratio Lower Upper
98 100
100 64.6 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.760 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

Tgt Ion: 43 Resp: 1870
Ion Ratio Lower Upper
43 100
58 25.9 33.6 50.4#

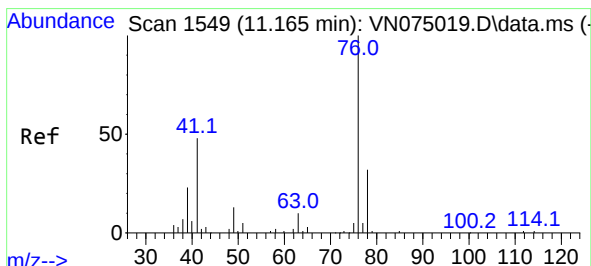
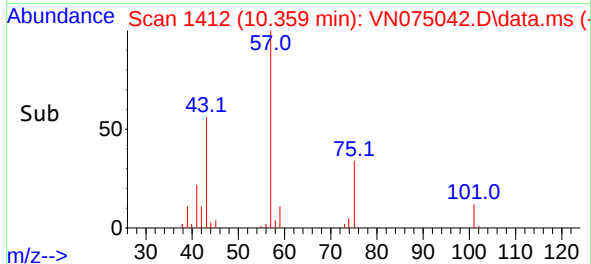
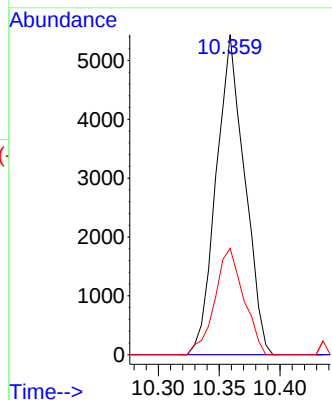
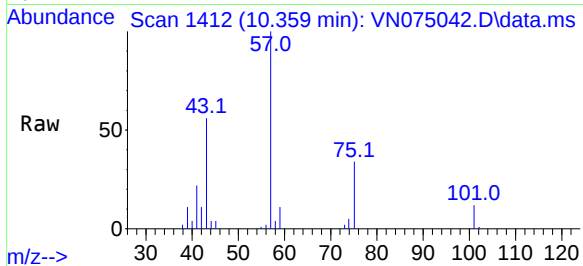




#54
cis-1,3-Dichloropropene
Concen: 3.210 ug/l
RT: 10.359 min Scan# 1405
Delta R.T. 0.041 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

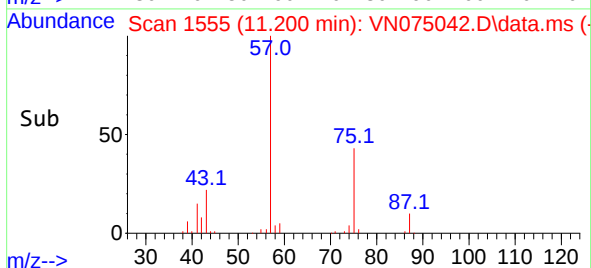
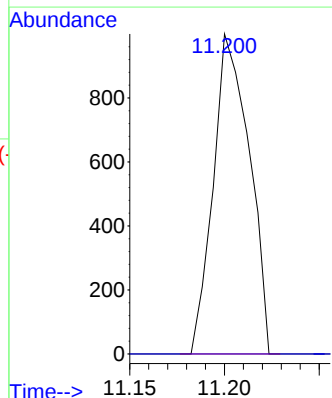
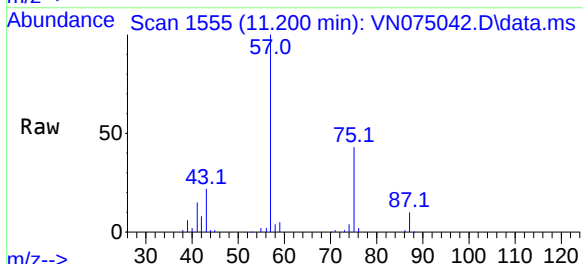
Instrument :
MSVOA_N
ClientSampleId :

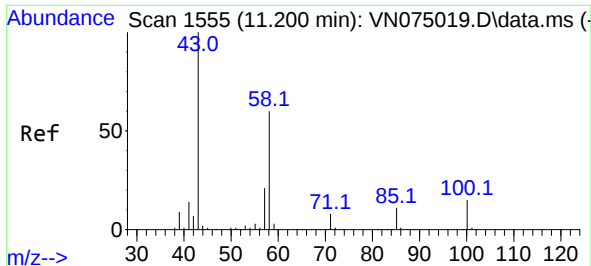
Tgt Ion: 75 Resp: 8851
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 33.3 35.8 53.6#



#57
1,3-Dichloropropane
Concen: 0.437 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

Tgt Ion: 76 Resp: 1322
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

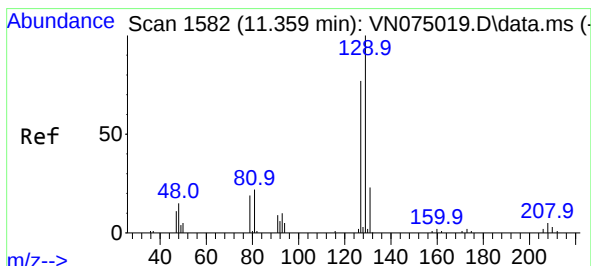
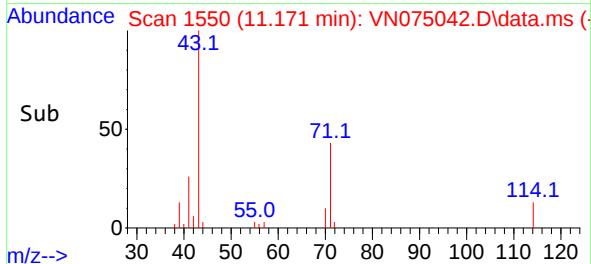
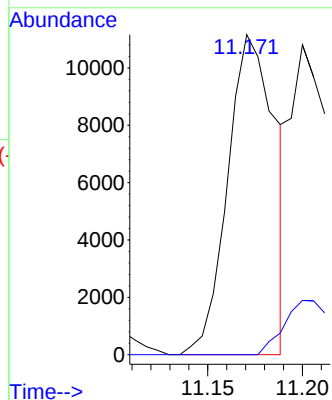
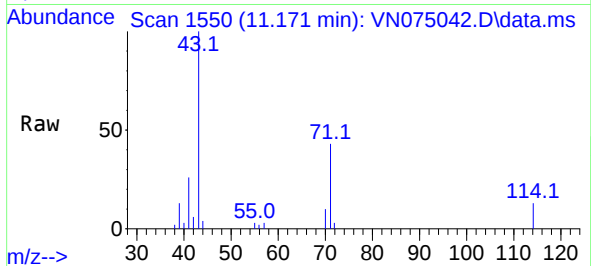




#59
2-Hexanone
Concen: 10.420 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

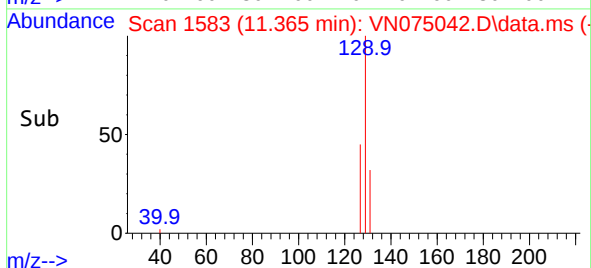
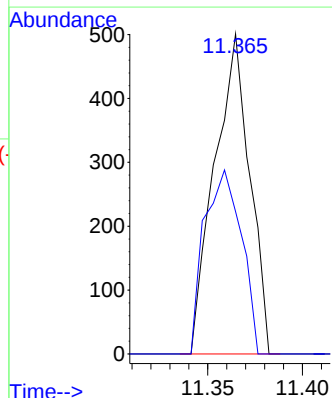
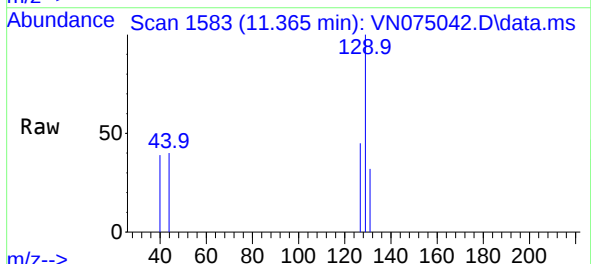
Instrument :
MSVOA_N
ClientSampleId :

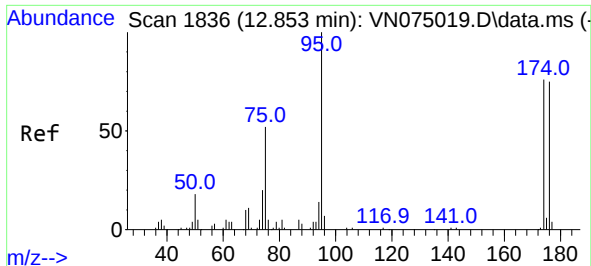
Tgt Ion: 43 Resp: 19451
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#60
Dibromochloromethane
Concen: 0.337 ug/l
RT: 11.365 min Scan# 1583
Delta R.T. 0.006 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

Tgt Ion:129 Resp: 646
Ion Ratio Lower Upper
129 100
127 60.5 38.6 115.8

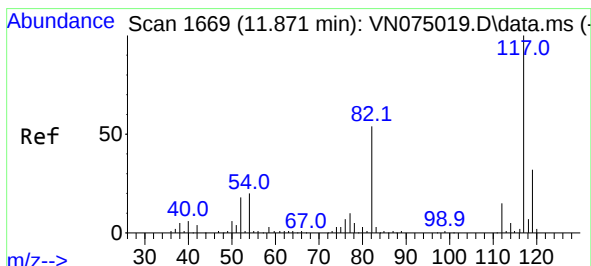
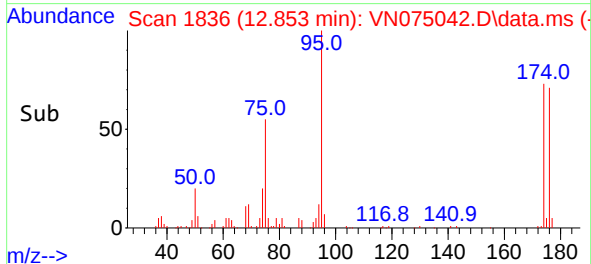
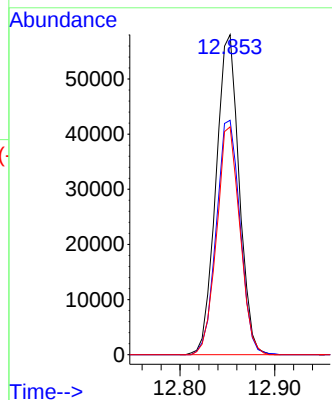
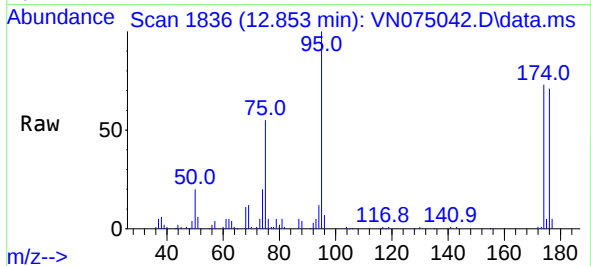




#62
4-Bromofluorobenzene
Concen: 49.993 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

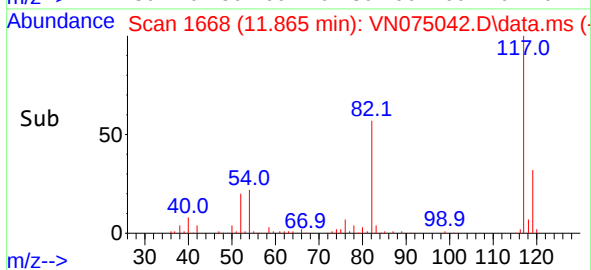
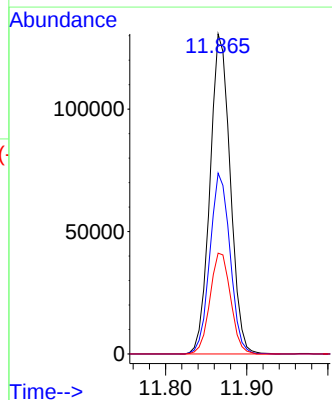
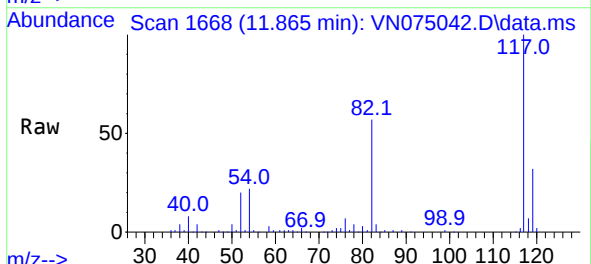
Instrument :
MSVOA_N
ClientSampleId :

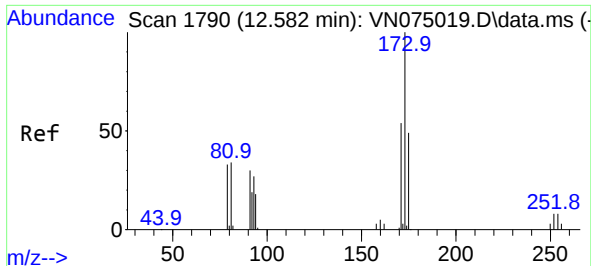
Tgt Ion: 95 Resp: 98605
Ion Ratio Lower Upper
95 100
174 75.1 0.0 147.4
176 71.3 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

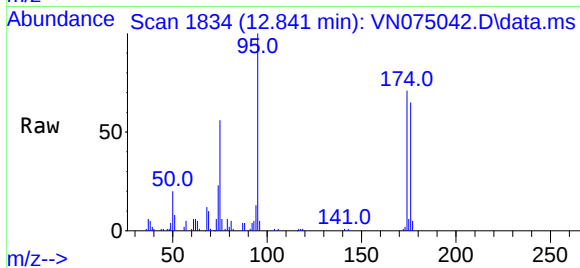
Tgt Ion: 117 Resp: 226348
Ion Ratio Lower Upper
117 100
82 56.5 43.1 64.7
119 31.5 25.5 38.3



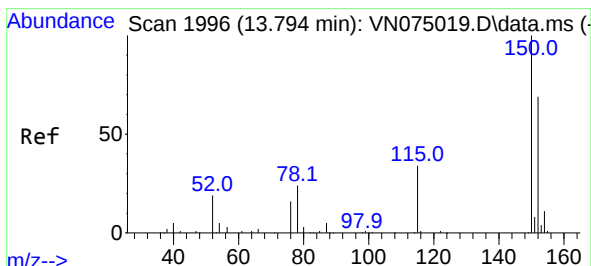
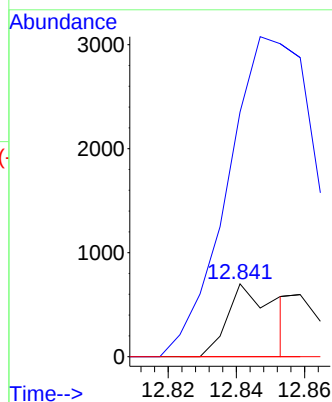
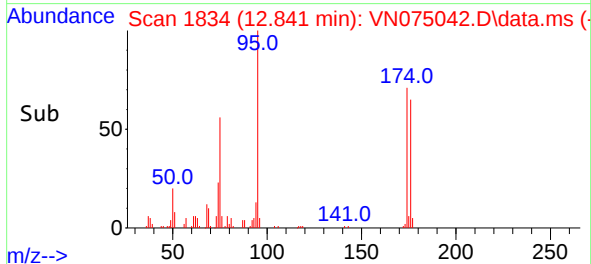


#71
Bromoform
Concen: 0.512 ug/l
RT: 12.841 min Scan# 1834
Delta R.T. 0.259 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

Instrument :
MSVOA_N
ClientSampleId :

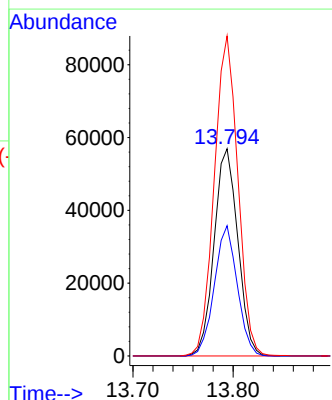
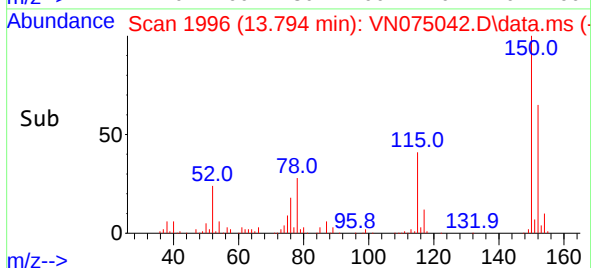
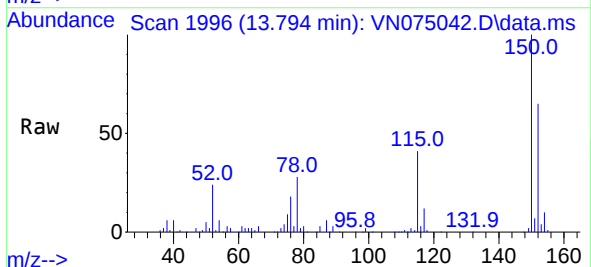


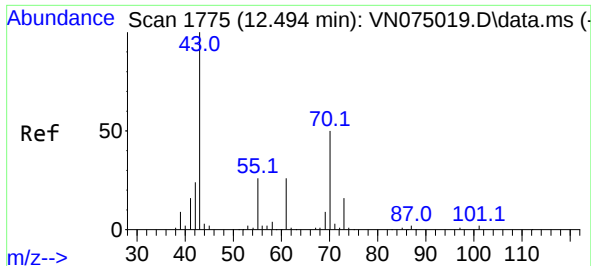
Tgt Ion:173 Resp: 687
Ion Ratio Lower Upper
173 100
175 687.5 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

Tgt Ion:152 Resp: 93520
Ion Ratio Lower Upper
152 100
115 60.8 30.2 90.6
150 153.8 0.0 348.4

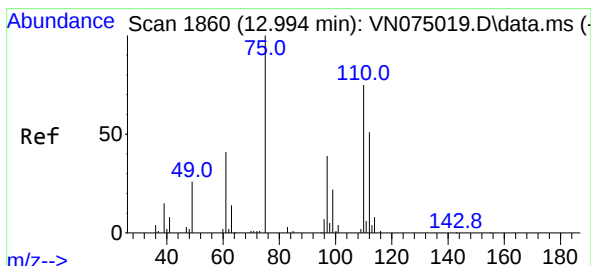
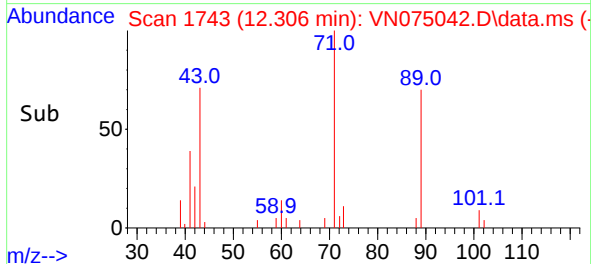
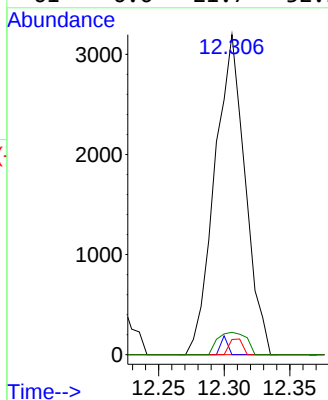
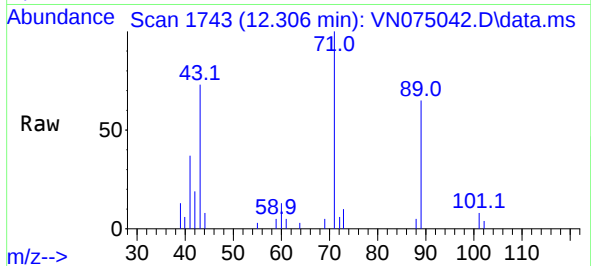




#74
N-amy1 acetate
Concen: 1.854 ug/l
RT: 12.306 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

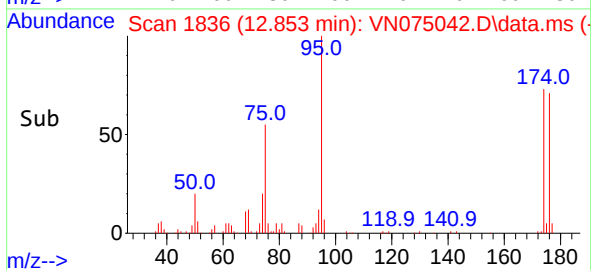
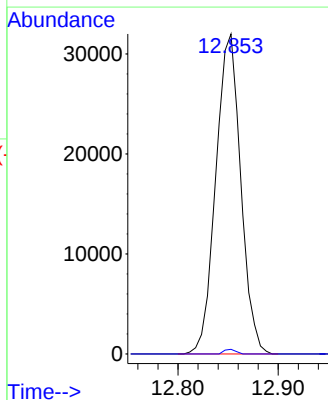
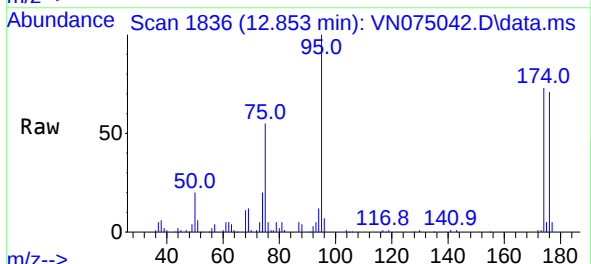
Instrument :
MSVOA_N
ClientSampleId :

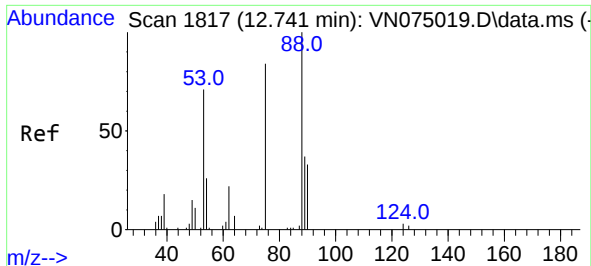
Tgt Ion: 43	Resp: 5149
Ion Ratio	Lower Upper
43 100	
70 1.3	39.8 59.8#
55 2.1	19.9 29.9#
61 6.6	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 27.796 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

Tgt Ion: 75	Resp: 55193
Ion Ratio	Lower Upper
75 100	
77 0.7	75.6 226.8#

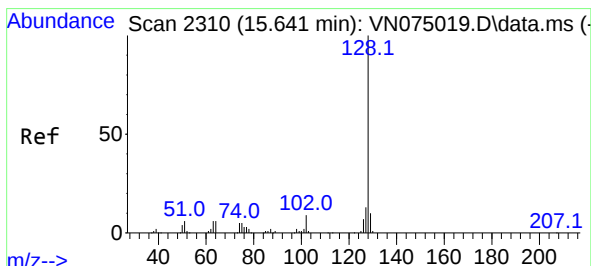
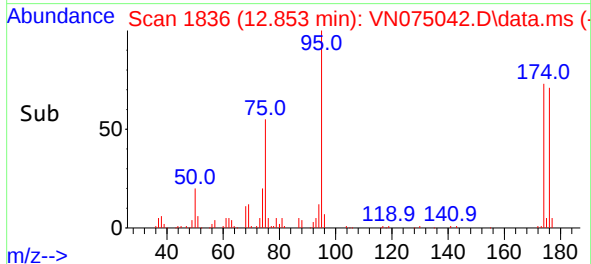
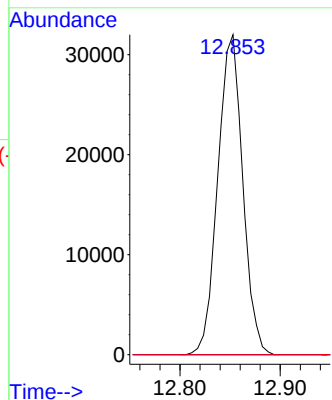
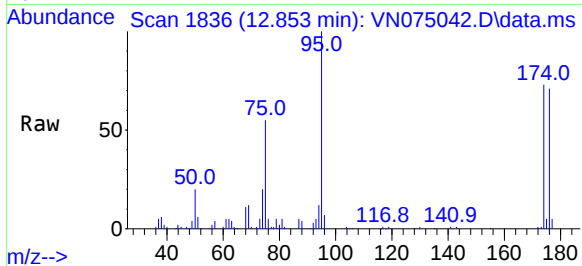




#81
trans-1,4-Dichloro-2-butene
Concen: 71.351 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 55193
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#95
Naphthalene
Concen: 1.908 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075042.D
Acq: 27 Oct 2022 15:43

Tgt Ion: 128 Resp: 10158
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.8 8.6 12.8

