

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111622\
 Data File : VN075293.D
 Acq On : 16 Nov 2022 17:15
 Operator : JC\MD
 Sample : PB149082ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 17 04:29:37 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)

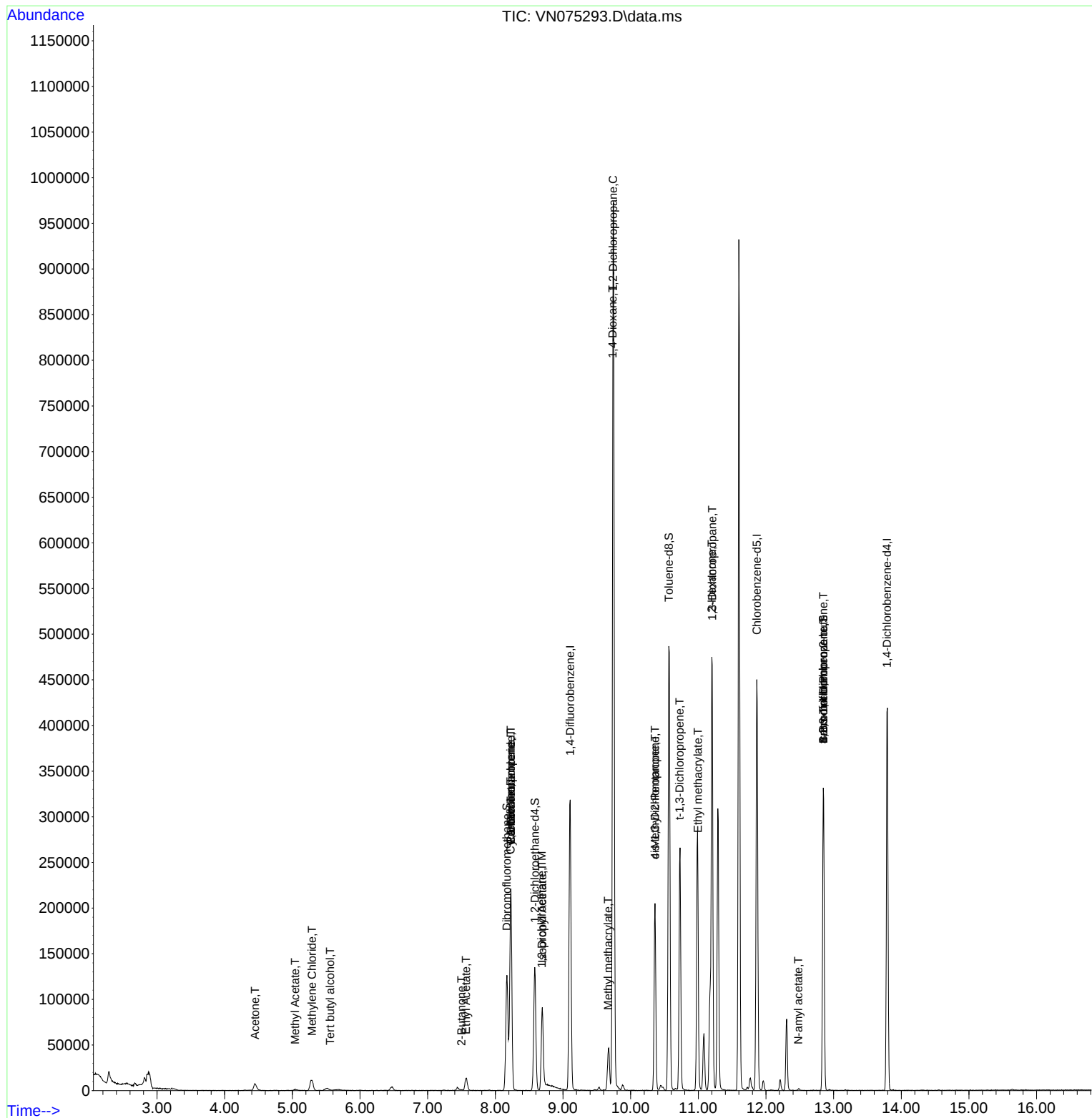
Internal Standards						
1) Pentafluorobenzene	8.230	168	160934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	293136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	109477	50.488	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.980%			
35) Dibromofluoromethane	8.171	113	90958	52.856	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.720%			
50) Toluene-d8	10.565	98	353104	52.888	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.780%			
62) 4-Bromofluorobenzene	12.847	95	118804	50.656	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.320%			
Target Compounds						Qvalue
5) Bromomethane	2.918	94	272	Below Cal		84
11) Tert butyl alcohol	5.559	59	142	0.281 ug/l #		72
16) Acetone	4.447	43	14307	15.582 ug/l		90
18) Methyl Acetate	5.042	43	2725	0.909 ug/l #		79
20) Methylene Chloride	5.289	84	10296	5.029 ug/l		96
25) 2-Butanone	7.500	43	1361	0.942 ug/l #		77
31) Cyclohexane	8.224	56	3237	1.004 ug/l #		41
36) 1,1-Dichloropropene	8.230	75	12866	4.829 ug/l #		49
37) Ethyl Acetate	7.565	43	21160	7.242 ug/l		99
38) Carbon Tetrachloride	8.230	117	17249	5.886 ug/l #		16
42) 1,2-Dichloroethane	8.688	62	757	0.255 ug/l #		75
43) Isopropyl Acetate	8.694	43	100783	22.238 ug/l #		90
45) 1,2-Dichloropropane	9.741	63	1341	0.691 ug/l #		42
48) Methyl methacrylate	9.665	41	2712	1.305 ug/l #		32
49) 1,4-Dioxane	9.735	88	71	1.304 ug/l #		1
51) 4-Methyl-2-Pentanone	10.359	43	71123	24.319 ug/l #		44
53) t-1,3-Dichloropropene	10.723	75	739	0.239 ug/l #		43
54) cis-1,3-Dichloropropene	10.359	75	40311	12.294 ug/l #		64
56) Ethyl methacrylate	10.994	69	847	0.257 ug/l #		1
57) 1,3-Dichloropropane	11.206	76	5707	1.585 ug/l #		42
59) 2-Hexanone	11.200	43	58603	26.402 ug/l #		51
71) Bromoform	12.847	173	932	0.567 ug/l #		1
74) N-amyl acetate	12.476	43	1131	0.319 ug/l #		38
75) 1,1,2,2-Tetrachloroethane	12.853	83	55	Below Cal #		26
76) 1,2,3-Trichloropropane	12.847	75	59318	23.423 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.847	75	59318	60.127 ug/l #		10

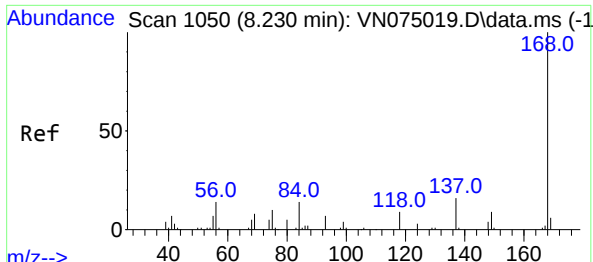
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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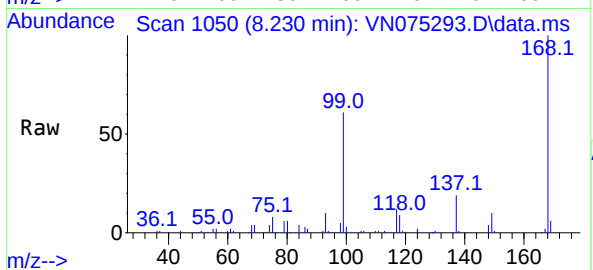
Quant Time: Nov 17 04:29:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
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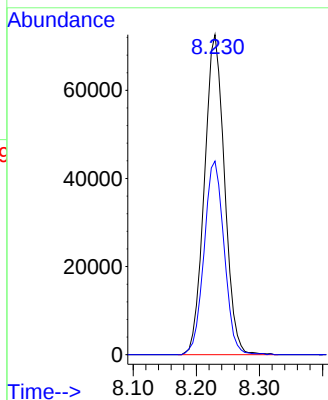
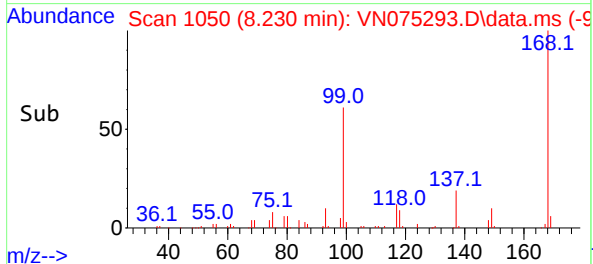


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

Instrument :
MSVOA_N
ClientSampleId :

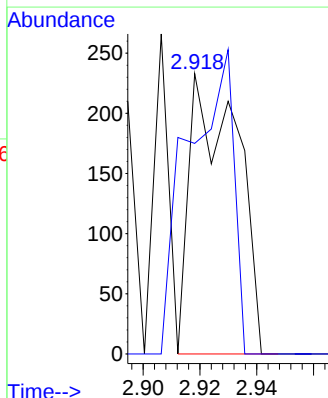
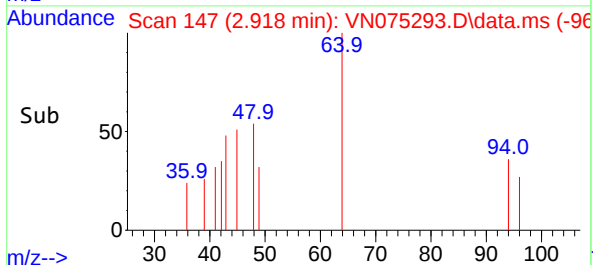
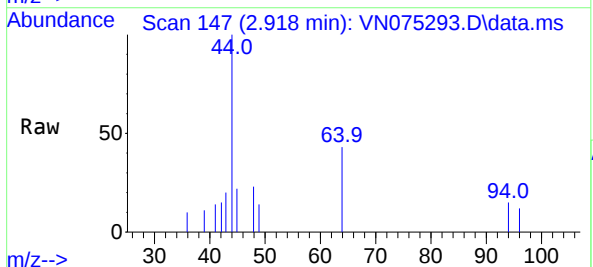


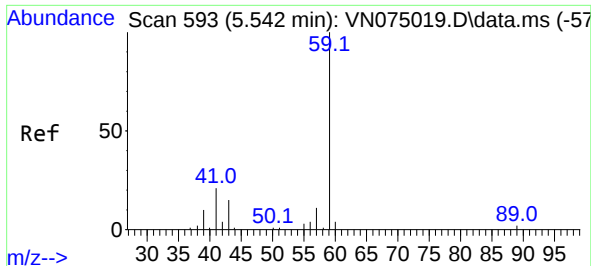
Tgt Ion:168 Resp: 160934
Ion Ratio Lower Upper
168 100
99 60.5 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

Tgt Ion: 94 Resp: 272
Ion Ratio Lower Upper
94 100
96 75.1 71.8 107.6





#11

Tert butyl alcohol

Concen: 0.281 ug/l

RT: 5.559 min Scan# 59

Delta R.T. 0.017 min

Lab File: VN075293.D

Acq: 16 Nov 2022 17:15

Instrument :

MSVOA_N

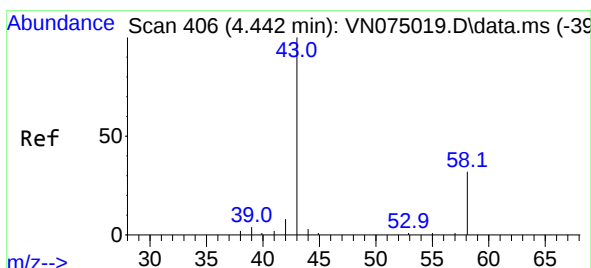
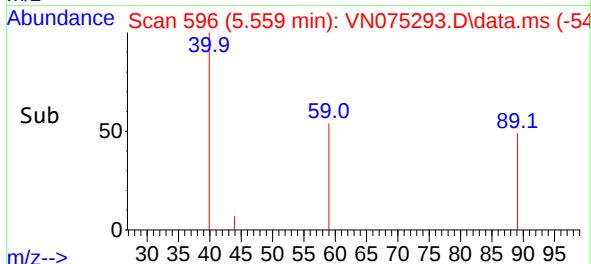
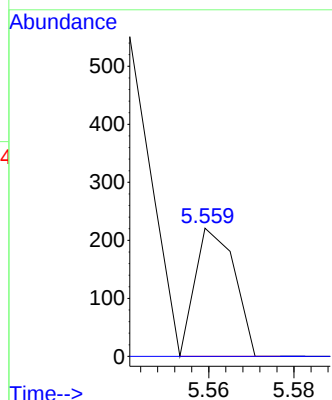
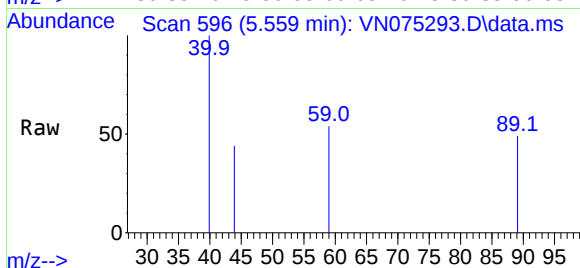
ClientSampleId :

Tgt Ion: 59 Resp: 142

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#16

Acetone

Concen: 15.582 ug/l

RT: 4.447 min Scan# 407

Delta R.T. 0.005 min

Lab File: VN075293.D

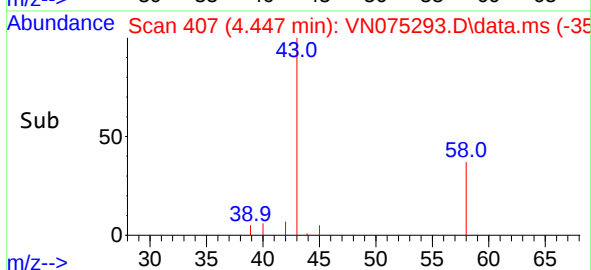
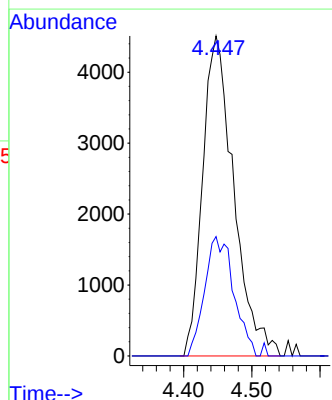
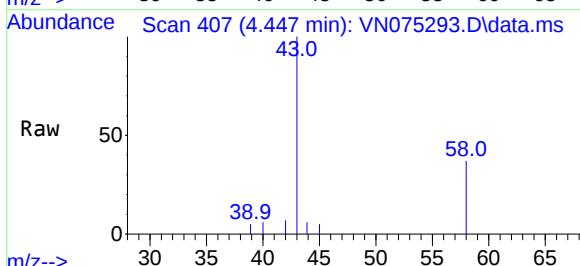
Acq: 16 Nov 2022 17:15

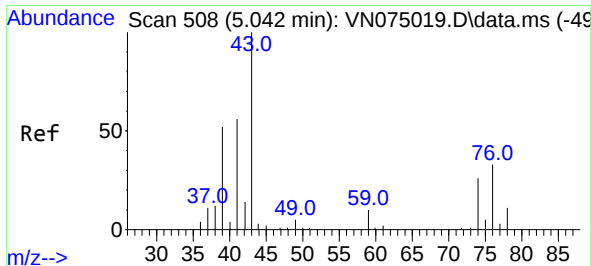
Tgt Ion: 43 Resp: 14307

Ion Ratio Lower Upper

43 100

58 37.3 25.5 38.3

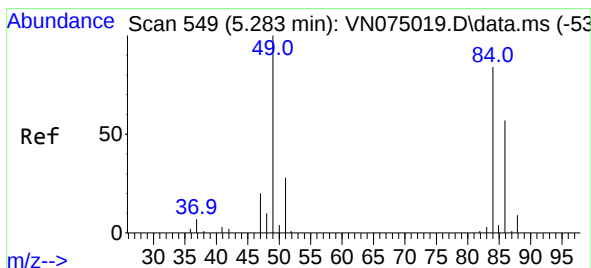
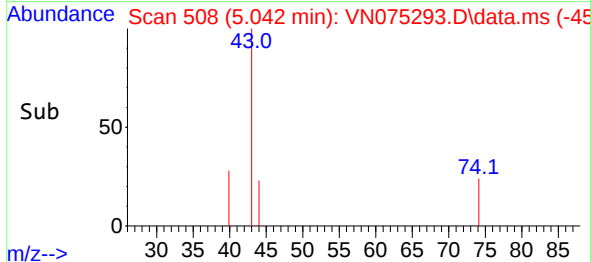
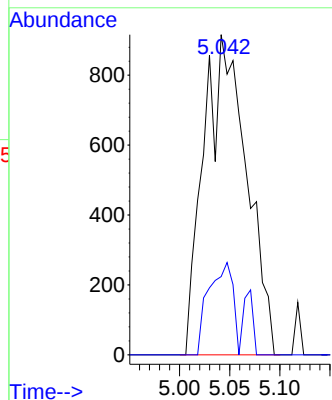
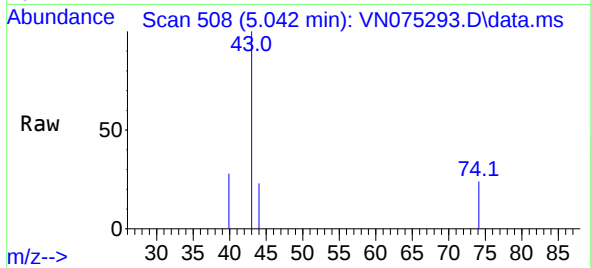




#18
Methyl Acetate
Concen: 0.909 ug/l
RT: 5.042 min Scan# 508
Delta R.T. -0.000 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

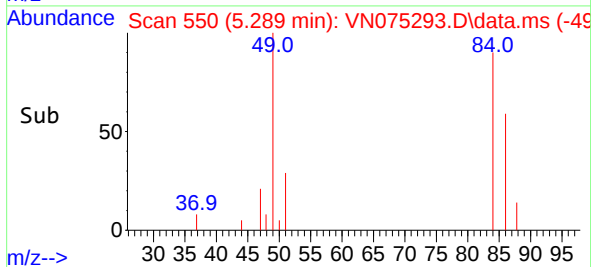
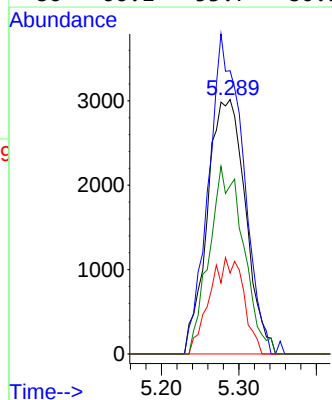
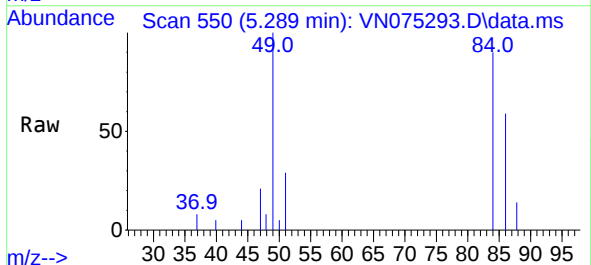
Instrument :
MSVOA_N
ClientSampleId :

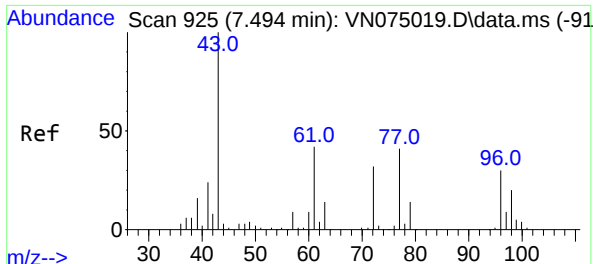
Tgt Ion: 43 Resp: 2725
Ion Ratio Lower Upper
43 100
74 16.3 22.0 33.0#



#20
Methylene Chloride
Concen: 5.029 ug/l
RT: 5.289 min Scan# 550
Delta R.T. 0.006 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

Tgt Ion: 84 Resp: 10296
Ion Ratio Lower Upper
84 100
49 111.3 94.9 142.3
51 31.7 26.8 40.2
86 66.1 53.7 80.5

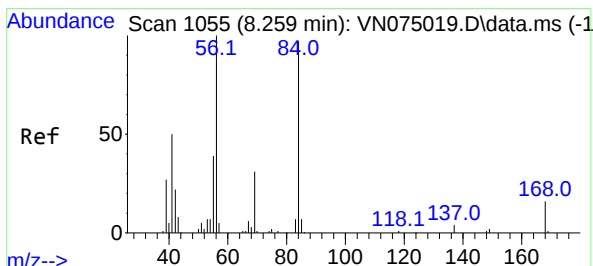
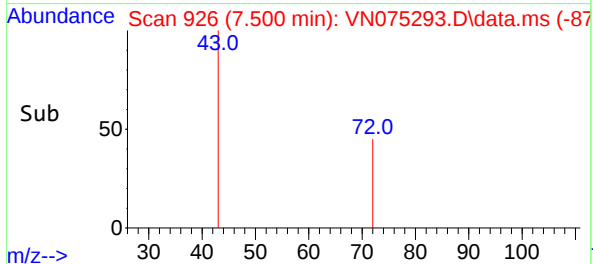
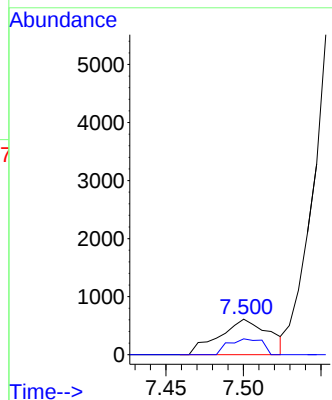
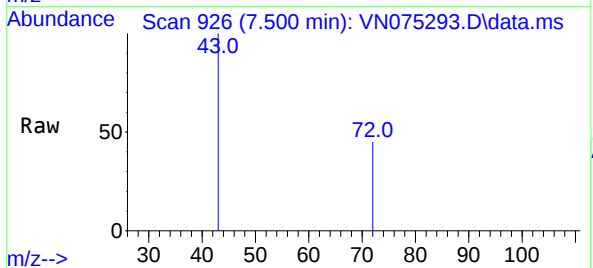




#25
2-Butanone
Concen: 0.942 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

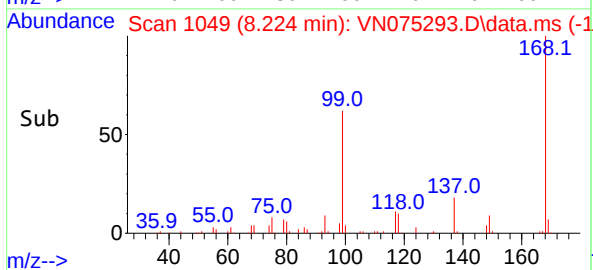
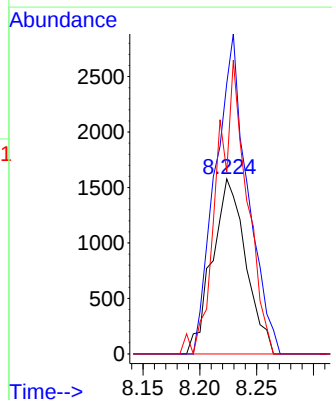
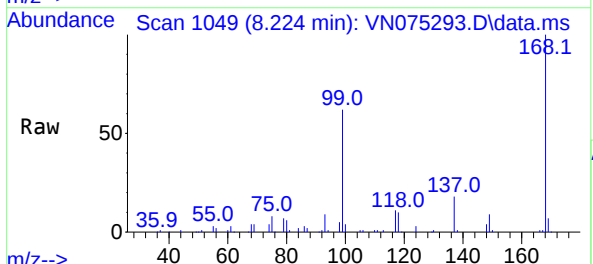
Instrument :
MSVOA_N
ClientSampleId :

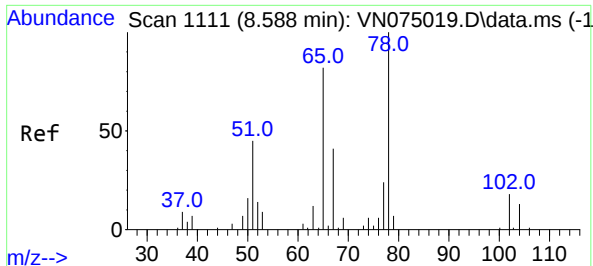
Tgt Ion: 43 Resp: 1361
Ion Ratio Lower Upper
43 100
72 44.7 25.5 38.3#



#31
Cyclohexane
Concen: 1.004 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

Tgt Ion: 56 Resp: 3237
Ion Ratio Lower Upper
56 100
69 154.7 25.2 37.8#
84 103.9 77.8 116.8

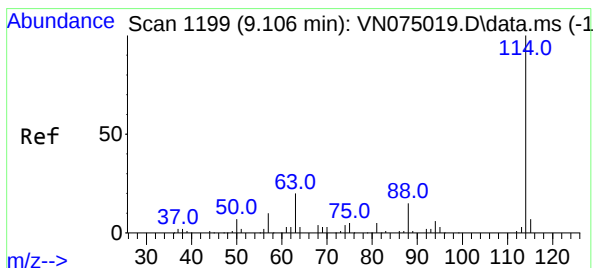
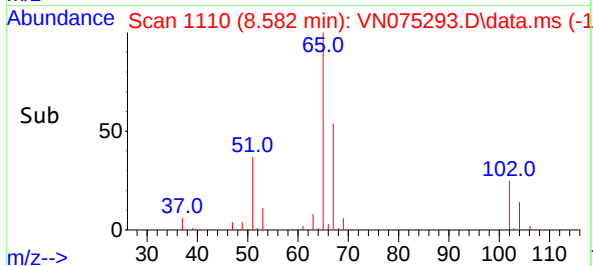
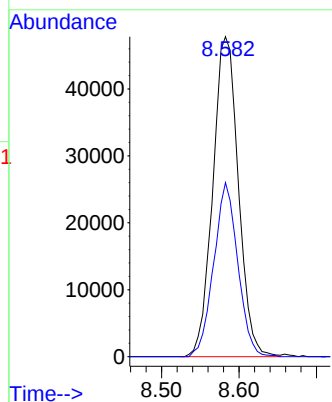
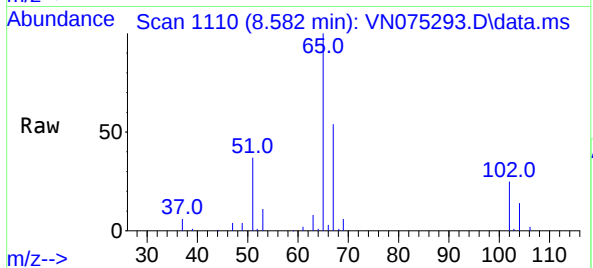




#33
1,2-Dichloroethane-d4
Concen: 50.488 ug/l
RT: 8.582 min Scan# 1111
Delta R.T. -0.006 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

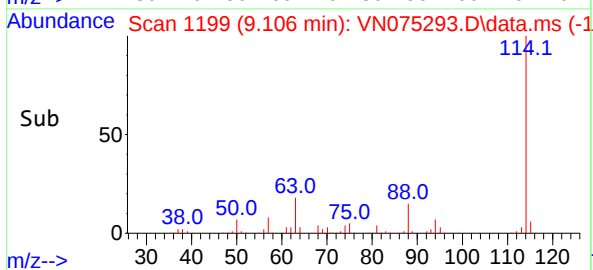
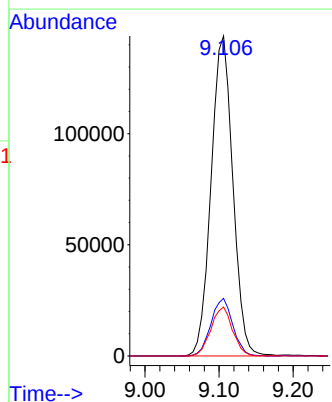
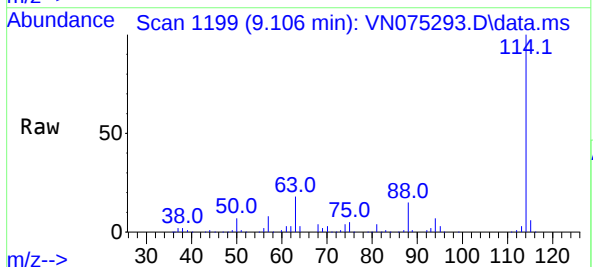
Instrument :
MSVOA_N
ClientSampleId :

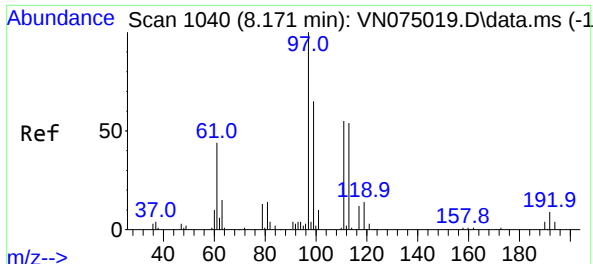
Tgt Ion: 65 Resp: 109477
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

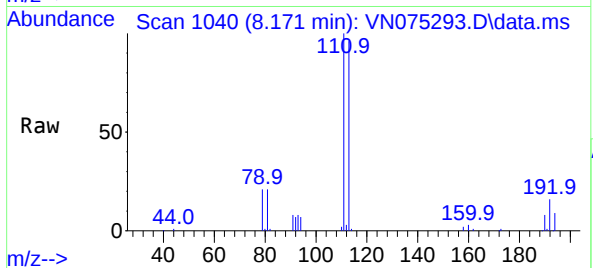
Tgt Ion: 114 Resp: 293136
Ion Ratio Lower Upper
114 100
63 18.0 0.0 39.6
88 15.3 0.0 29.0



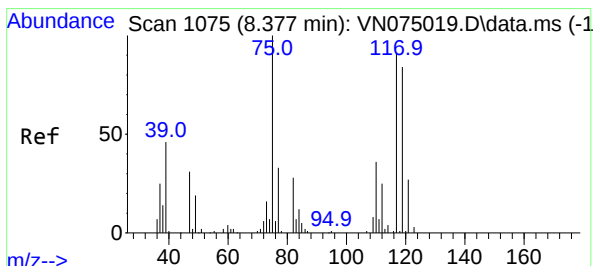
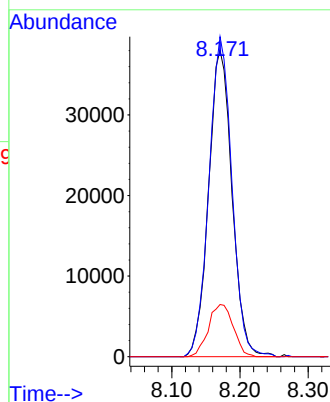
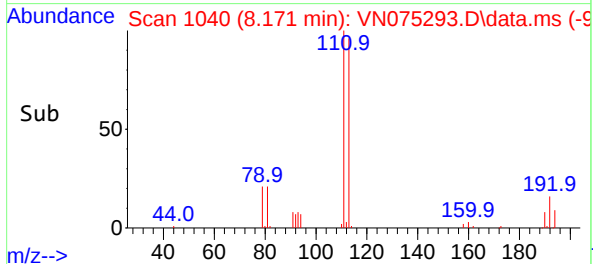


#35
Dibromofluoromethane
Concen: 52.856 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

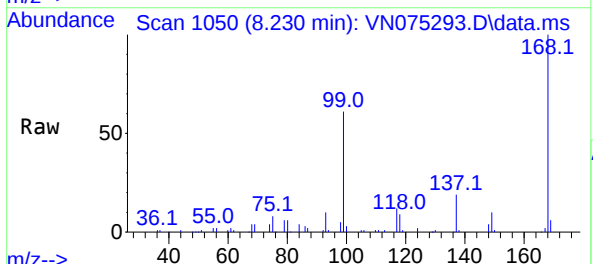
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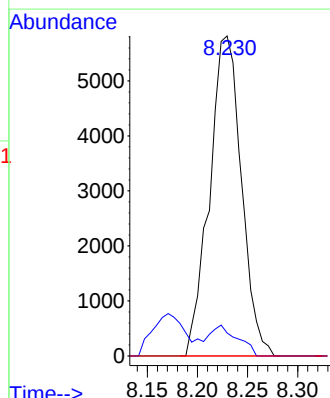
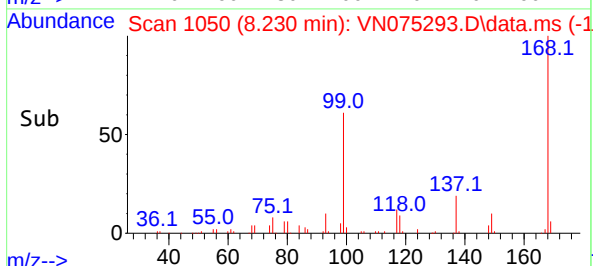
Tgt Ion:113 Resp: 90958
Ion Ratio Lower Upper
113 100
111 102.4 80.5 120.7
192 18.1 13.2 19.8

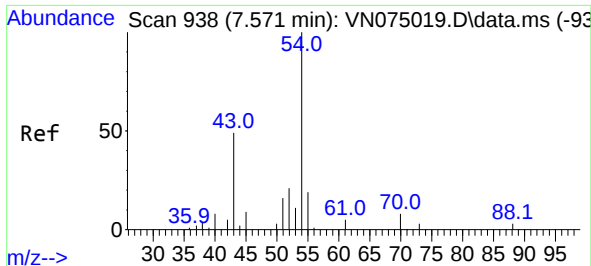


#36
1,1-Dichloropropene
Concen: 4.829 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15



Tgt Ion: 75 Resp: 12866
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.3#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 7.242 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

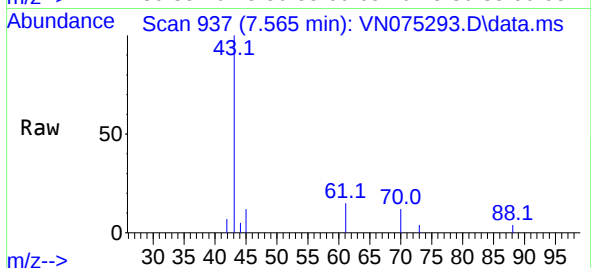
Lab File: VN075293.D

Acq: 16 Nov 2022 17:15

Instrument :

MSVOA_N

ClientSampleId :



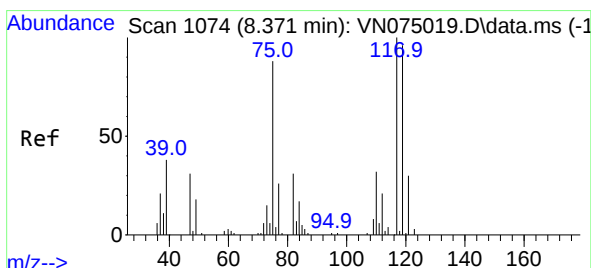
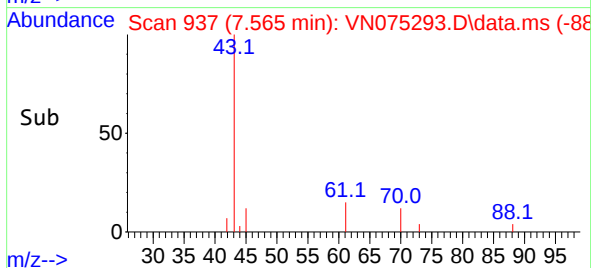
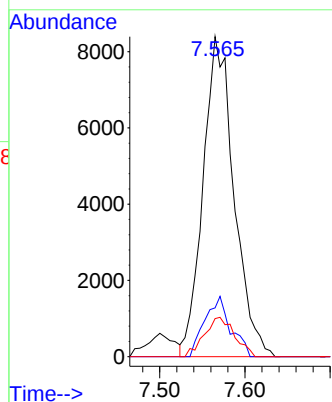
Tgt Ion: 43 Resp: 21160

Ion Ratio Lower Upper

43 100

61 15.7 12.2 18.4

70 12.0 9.4 14.2



#38

Carbon Tetrachloride

Concen: 5.886 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075293.D

Acq: 16 Nov 2022 17:15

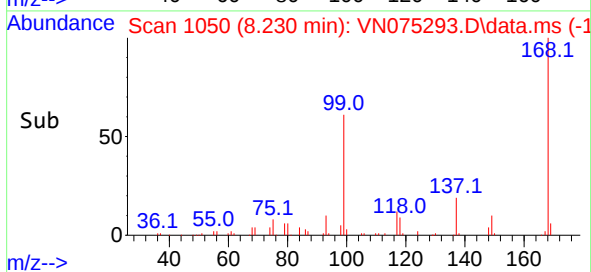
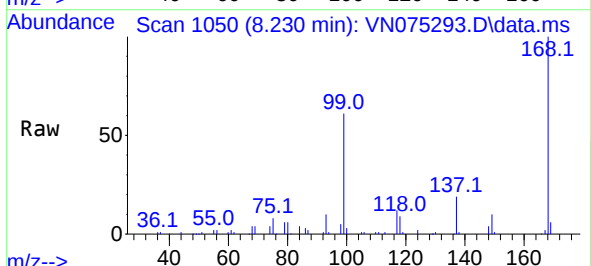
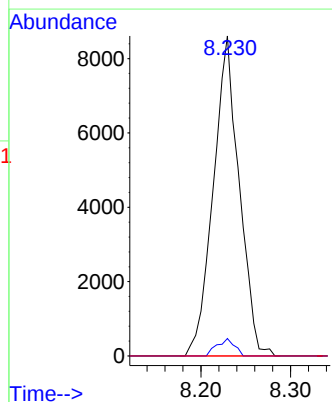
Tgt Ion: 117 Resp: 17249

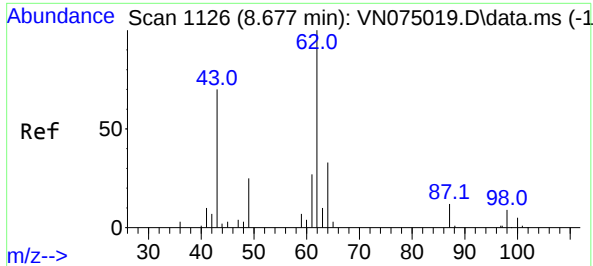
Ion Ratio Lower Upper

117 100

119 5.5 76.7 115.1#

121 0.0 23.9 35.9#

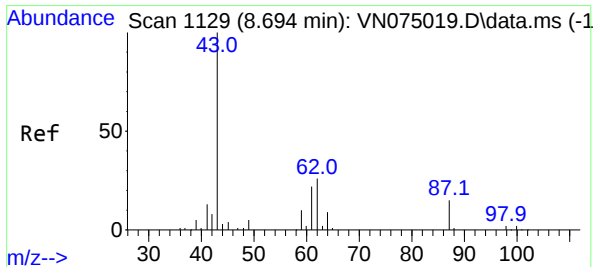
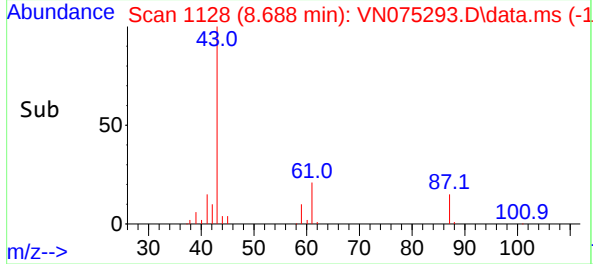
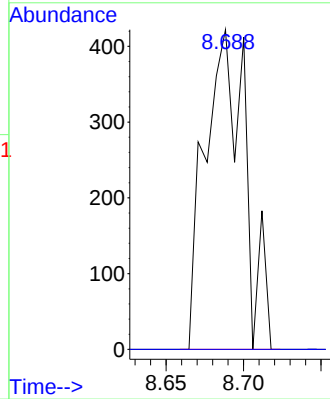
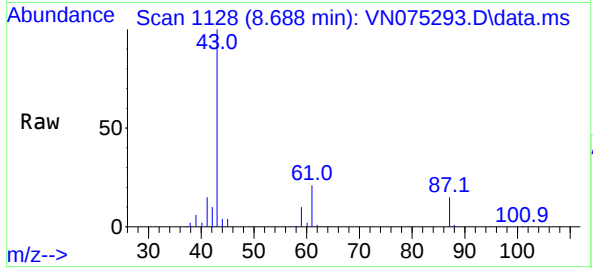




#42
 1,2-Dichloroethane
 Concen: 0.255 ug/l
 RT: 8.688 min Scan# 1128
 Delta R.T. 0.011 min
 Lab File: VN075293.D
 Acq: 16 Nov 2022 17:15

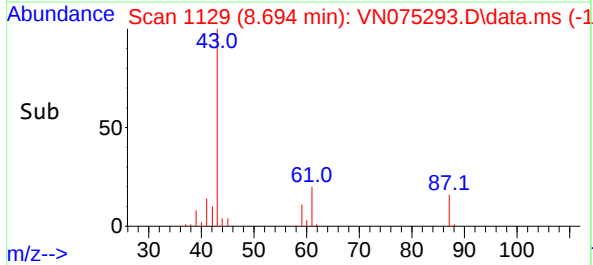
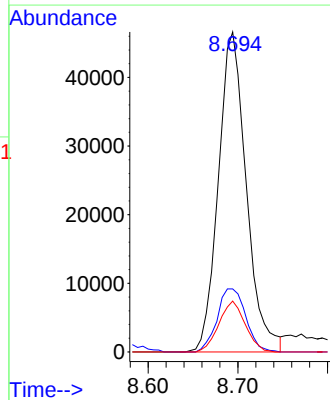
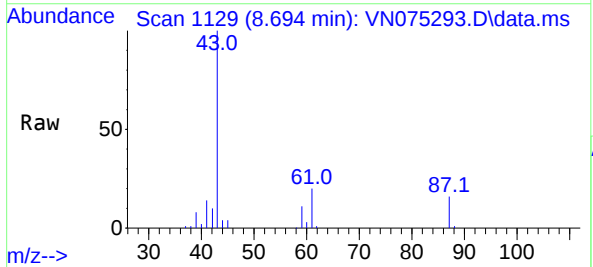
Instrument :
 MSVOA_N
 ClientSampleId :

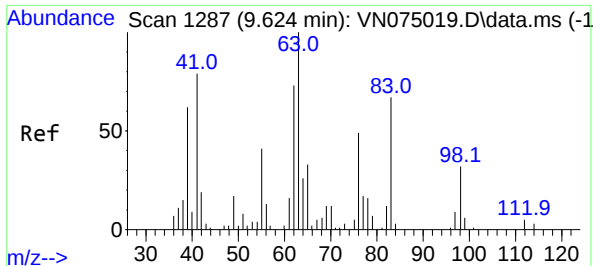
Tgt Ion:	62	Resp:	757
Ion Ratio	Lower	Upper	
62	100		
98	0.0	0.0	18.2



#43
 Isopropyl Acetate
 Concen: 22.238 ug/l
 RT: 8.694 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VN075293.D
 Acq: 16 Nov 2022 17:15

Tgt Ion:	43	Resp:	100783
Ion Ratio	Lower	Upper	
43	100		
61	20.2	22.4	33.6#
87	15.0	12.5	18.7

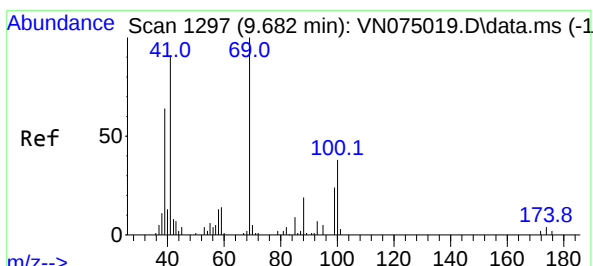
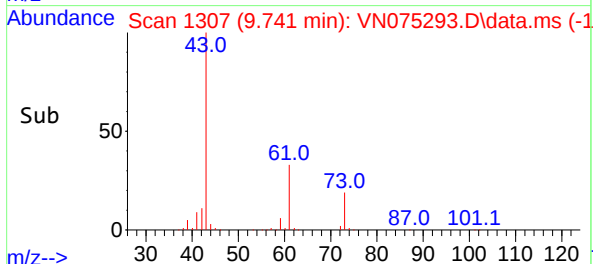
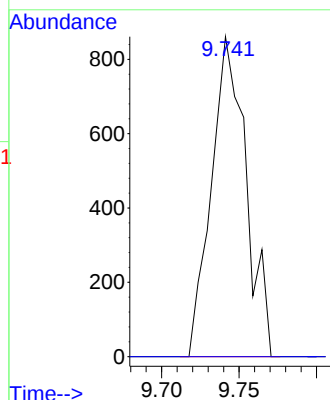
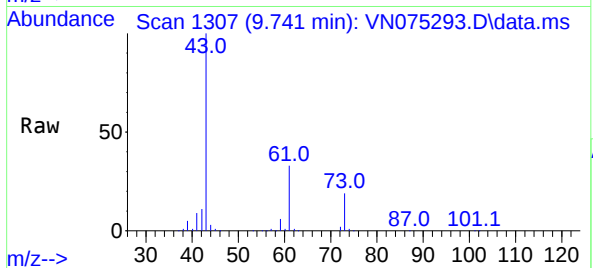




#45
1,2-Dichloropropane
Concen: 0.691 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

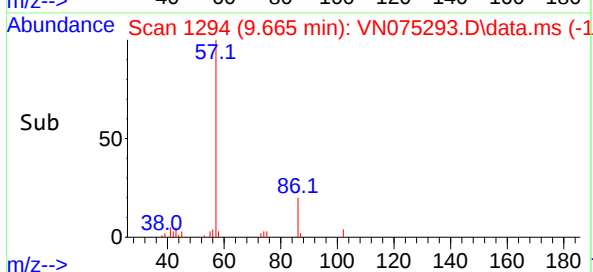
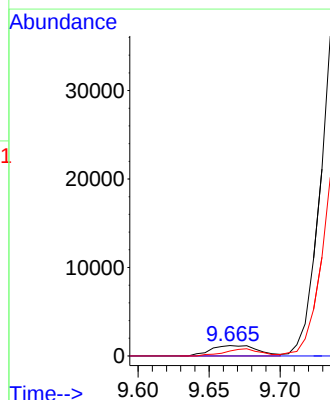
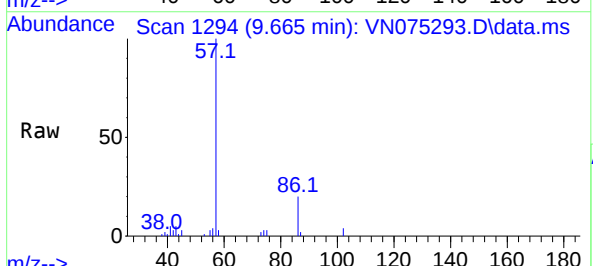
Instrument :
MSVOA_N
ClientSampleId :

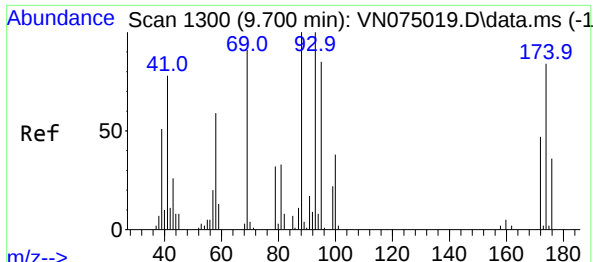
Tgt Ion: 63 Resp: 1341
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 1.305 ug/l
RT: 9.665 min Scan# 1294
Delta R.T. -0.017 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

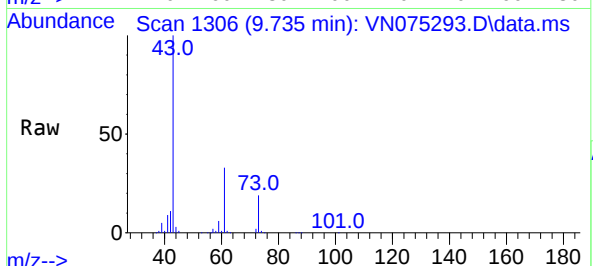
Tgt Ion: 41 Resp: 2712
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 52.4 56.2 84.2#



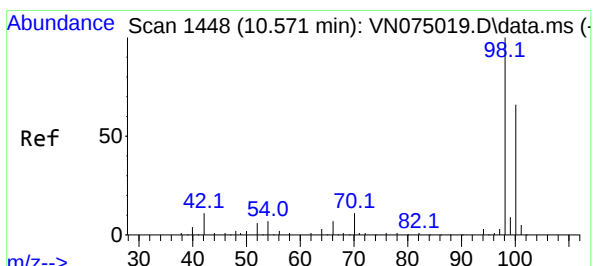
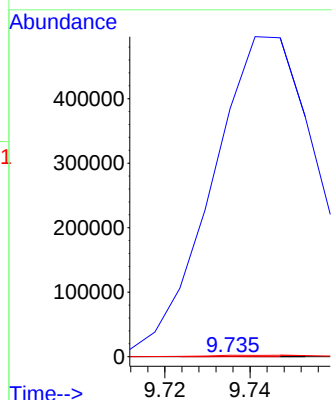
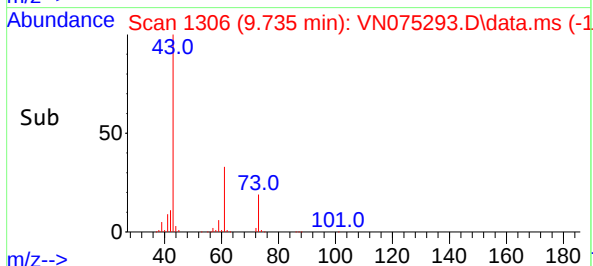


#49
1,4-Dioxane
Concen: 1.304 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

Instrument :
MSVOA_N
ClientSampleId :

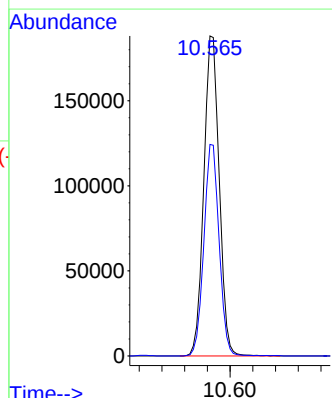
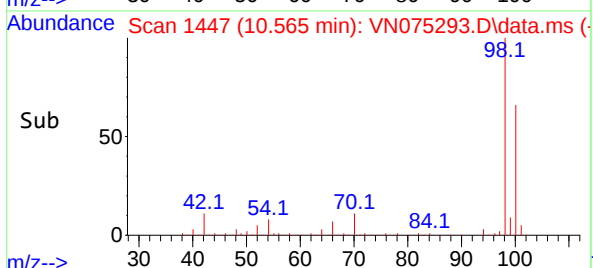
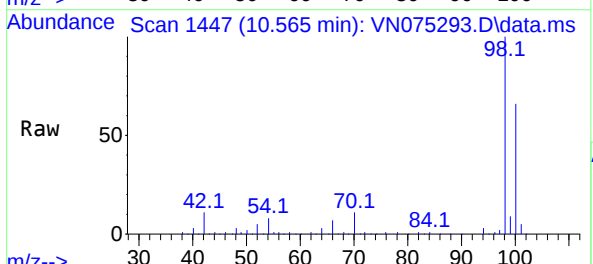


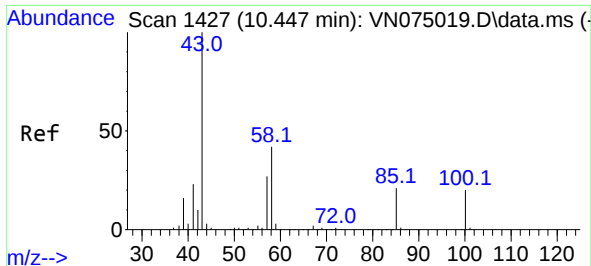
Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 1260891.5 17.5 26.3#
58 5674.6 49.8 74.8#



#50
Toluene-d8
Concen: 52.888 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

Tgt Ion: 98 Resp: 353104
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.6

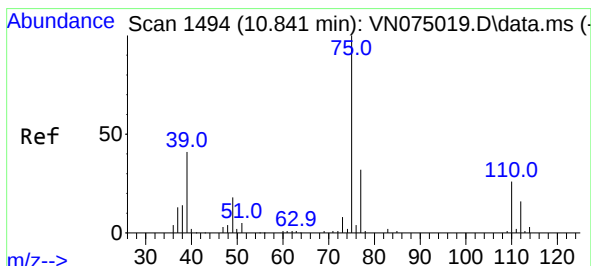
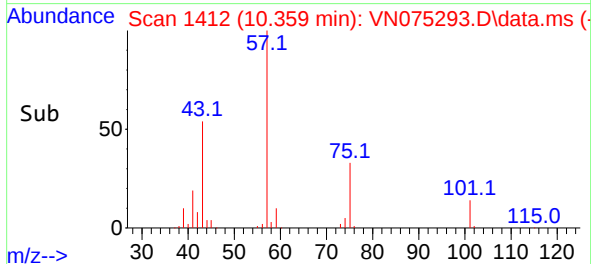
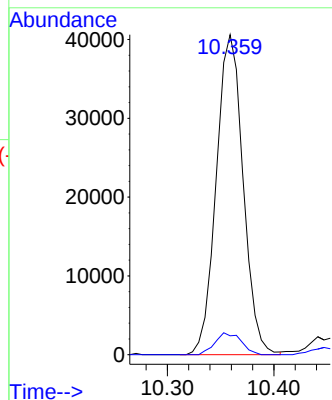
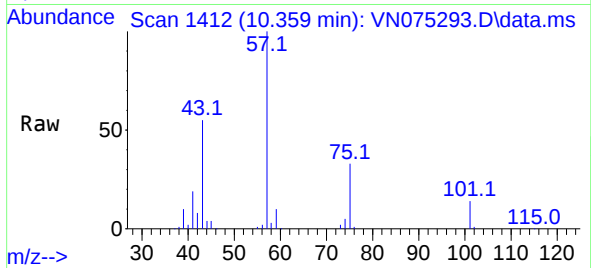




#51
4-Methyl-2-Pentanone
Concen: 24.319 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

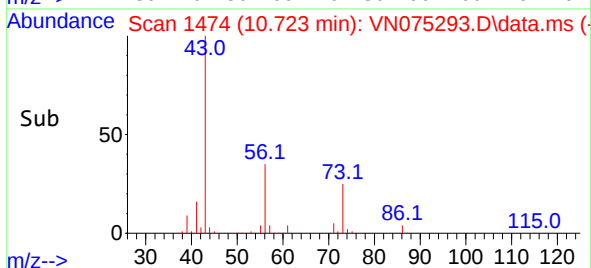
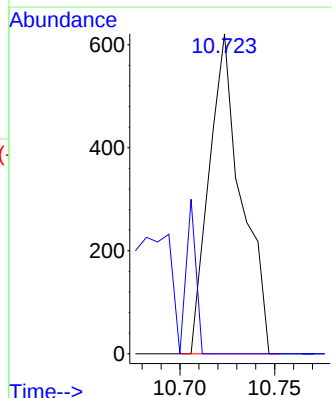
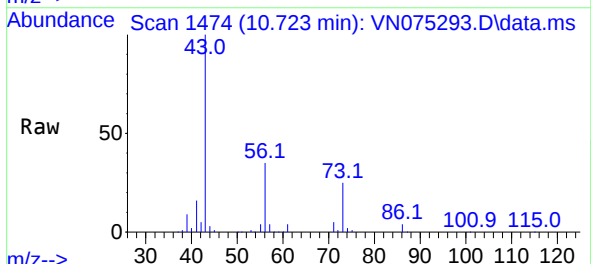
Instrument :
MSVOA_N
ClientSampleId :

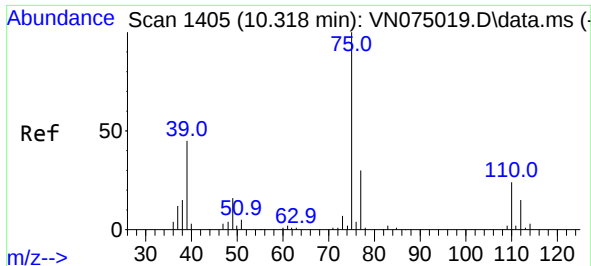
Tgt Ion: 43 Resp: 71123
Ion Ratio Lower Upper
43 100
58 6.7 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.239 ug/l
RT: 10.723 min Scan# 1474
Delta R.T. -0.118 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

Tgt Ion: 75 Resp: 739
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

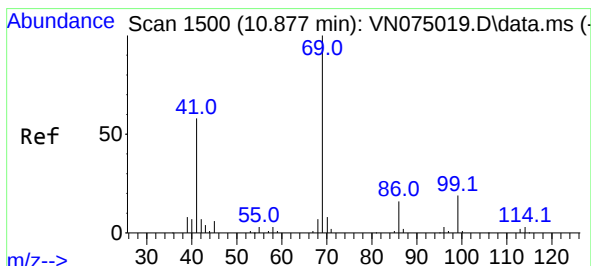
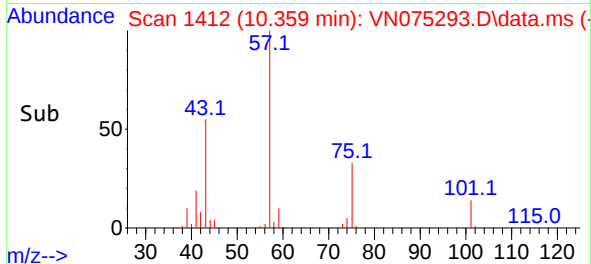
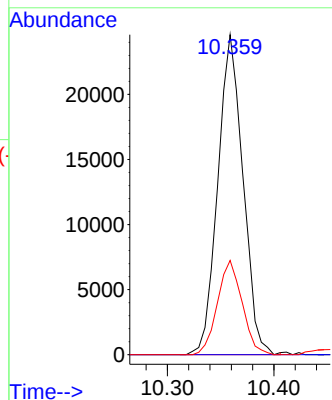
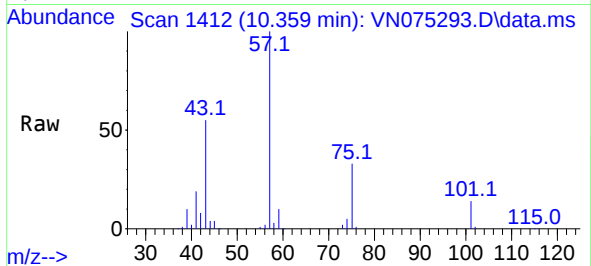




#54
 cis-1,3-Dichloropropene
 Concen: 12.294 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.041 min
 Lab File: VN075293.D
 Acq: 16 Nov 2022 17:15

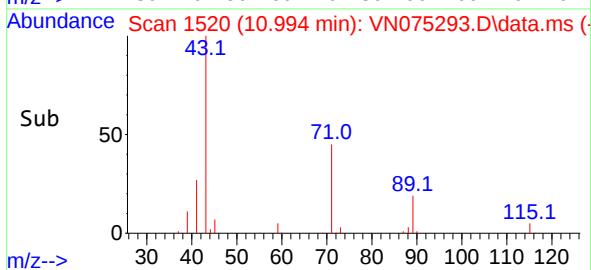
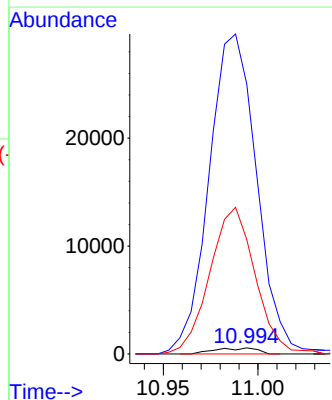
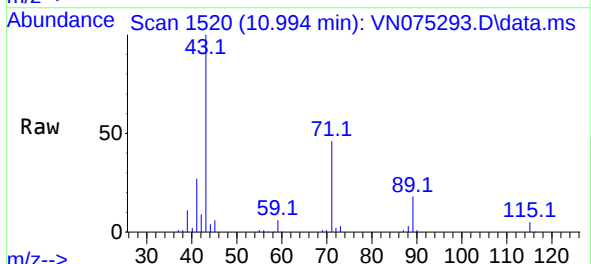
Instrument :
 MSVOA_N
 ClientSampleId :

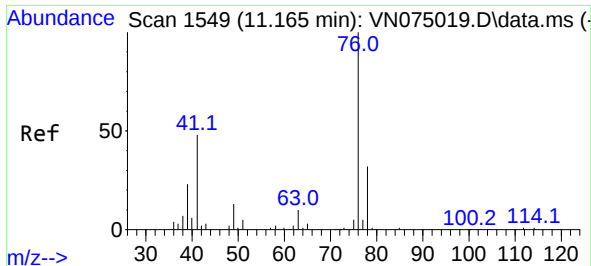
Tgt Ion: 75 Resp: 40311
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 29.4 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.257 ug/l
 RT: 10.994 min Scan# 1520
 Delta R.T. 0.117 min
 Lab File: VN075293.D
 Acq: 16 Nov 2022 17:15

Tgt Ion: 69 Resp: 847
 Ion Ratio Lower Upper
 69 100
 41 6161.7 45.6 68.4#
 39 2684.5 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.585 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN075293.D

Acq: 16 Nov 2022 17:15

Instrument :

MSVOA_N

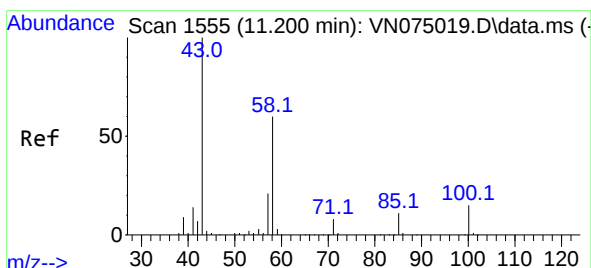
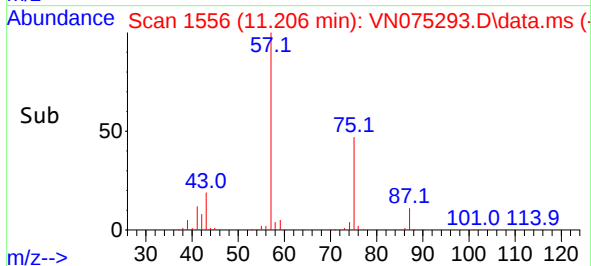
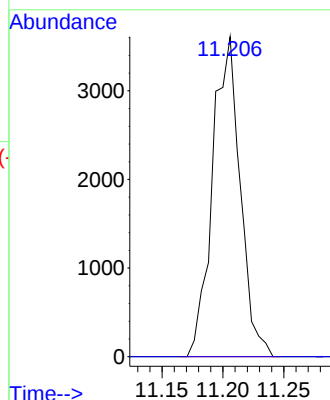
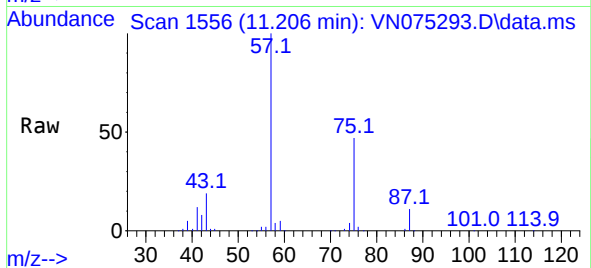
ClientSampleId :

Tgt Ion: 76 Resp: 5707

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 26.402 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN075293.D

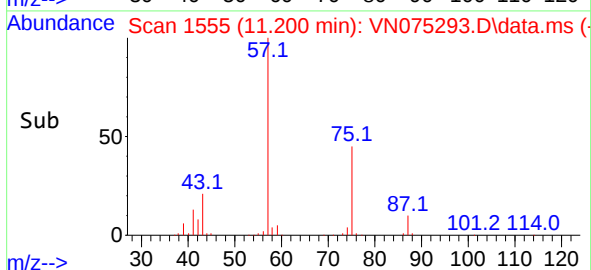
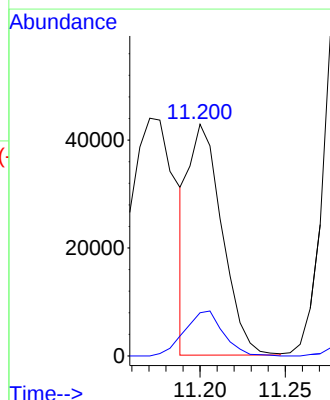
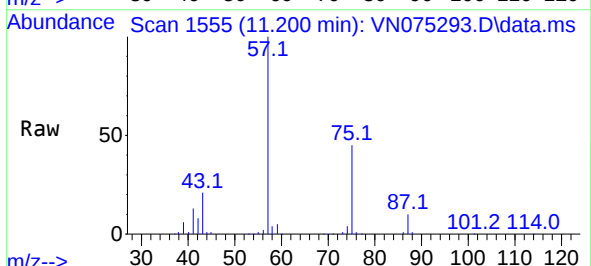
Acq: 16 Nov 2022 17:15

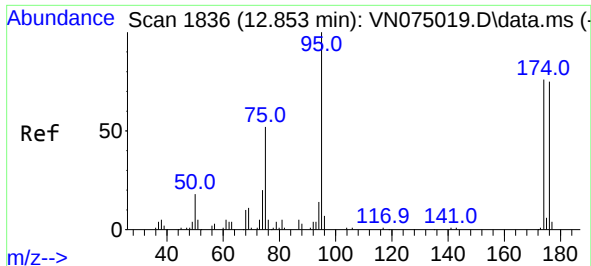
Tgt Ion: 43 Resp: 58603

Ion Ratio Lower Upper

43 100

58 22.5 29.6 88.8#

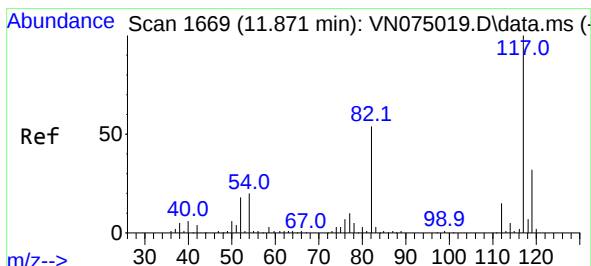
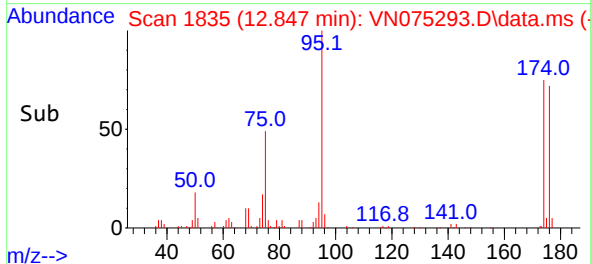
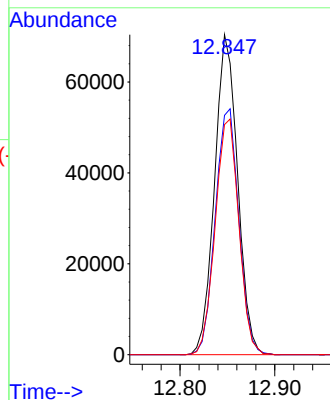
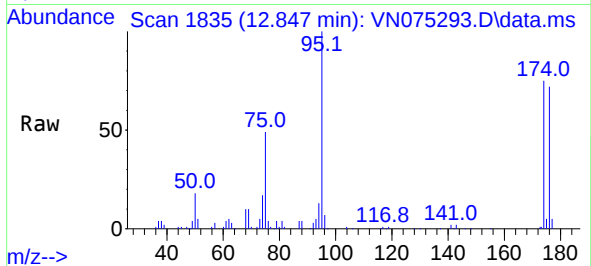




#62
4-Bromofluorobenzene
Concen: 50.656 ug/l
RT: 12.847 min Scan# 118804
Delta R.T. -0.006 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

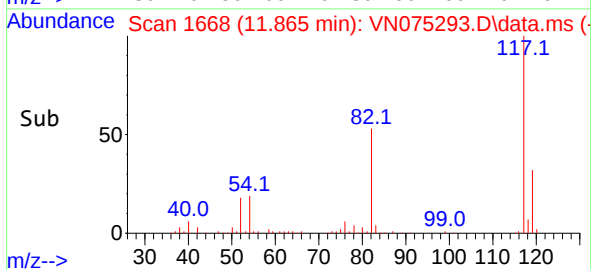
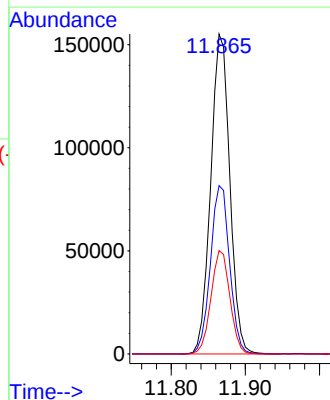
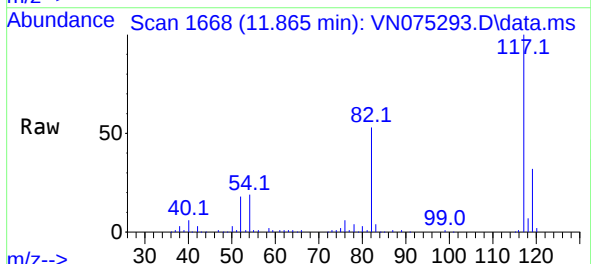
Instrument :
MSVOA_N
ClientSampleId :

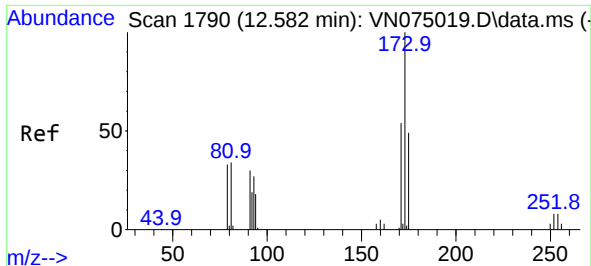
Tgt Ion: 95 Resp: 118804
Ion Ratio Lower Upper
95 100
174 78.8 0.0 147.4
176 75.6 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

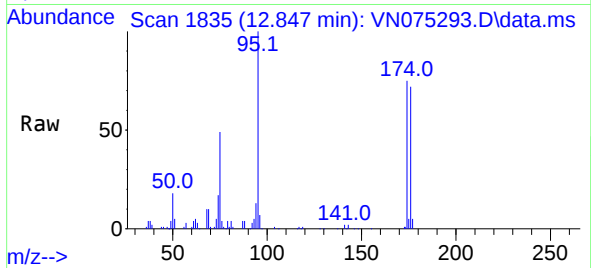
Tgt Ion: 117 Resp: 277225
Ion Ratio Lower Upper
117 100
82 52.6 43.1 64.7
119 32.3 25.5 38.3



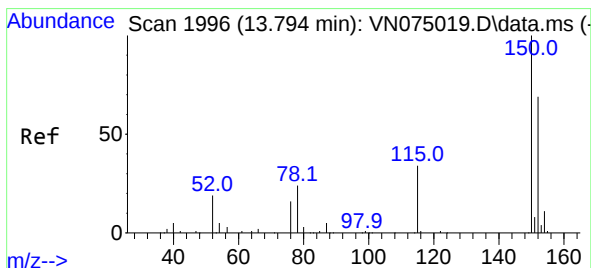
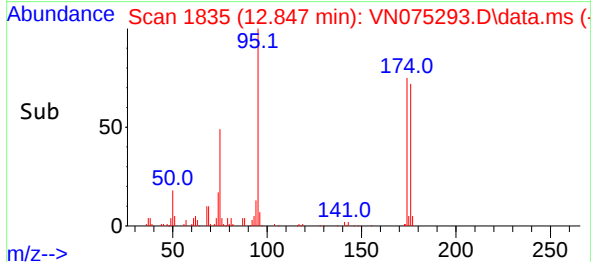
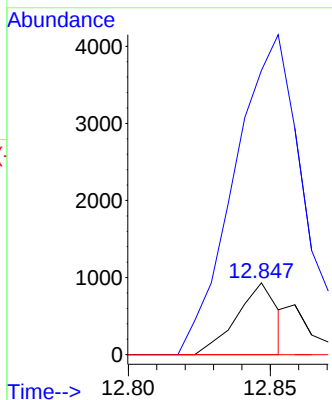


#71
Bromoform
Concen: 0.567 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

Instrument :
MSVOA_N
ClientSampleId :

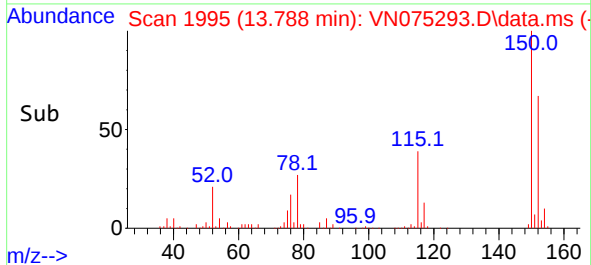
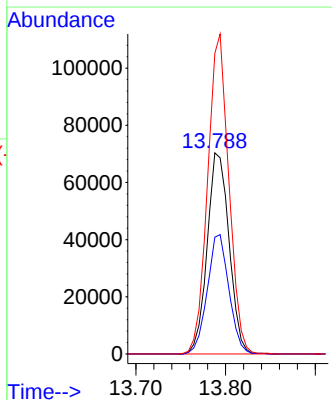
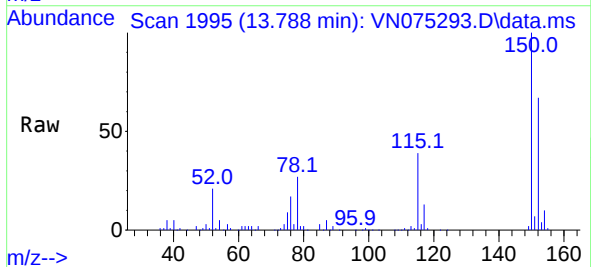


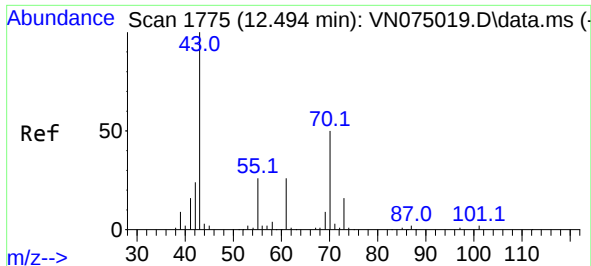
Tgt Ion:173 Resp: 932
Ion Ratio Lower Upper
173 100
175 650.2 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

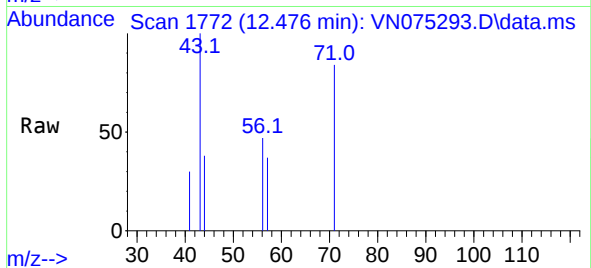
Tgt Ion:152 Resp: 119272
Ion Ratio Lower Upper
152 100
115 58.8 30.2 90.6
150 153.6 0.0 348.4



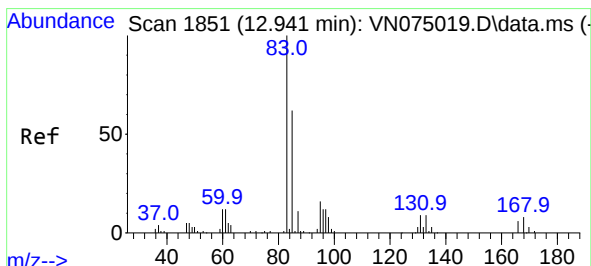
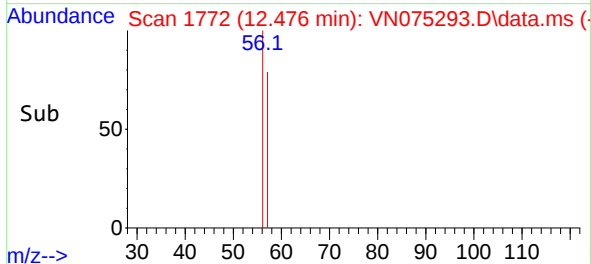
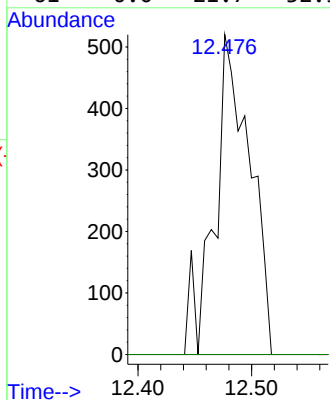


#74
N-amy1 acetate
Concen: 0.319 ug/l
RT: 12.476 min Scan# 1131
Delta R.T. -0.018 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

Instrument :
MSVOA_N
ClientSampleId :

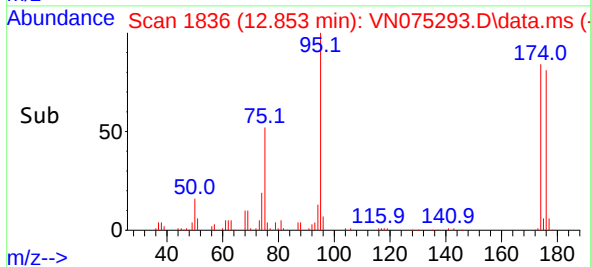
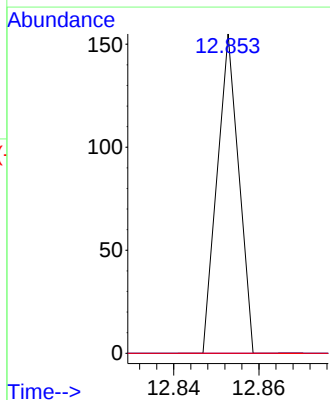
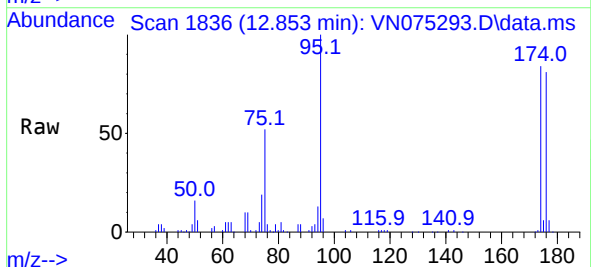


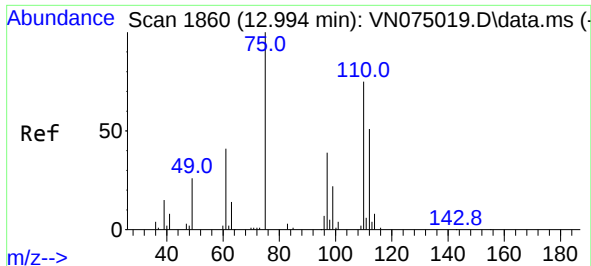
Tgt Ion: 43 Resp: 1131
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.853 min Scan# 1836
Delta R.T. -0.088 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

Tgt Ion: 83 Resp: 55
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 0.0 31.6 94.7#

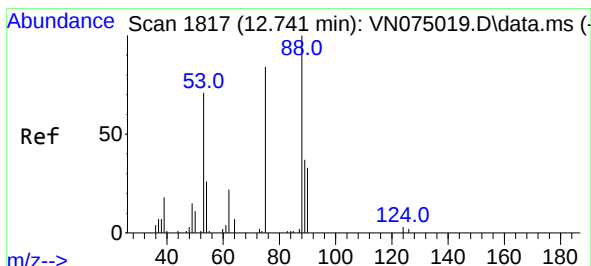
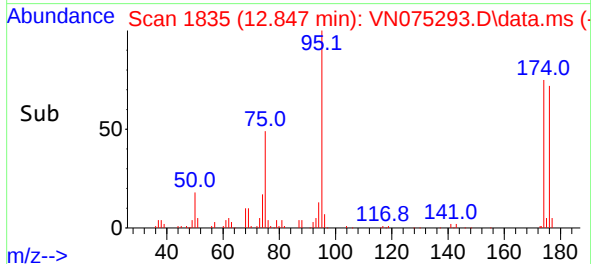
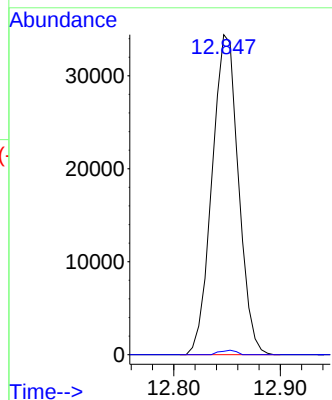
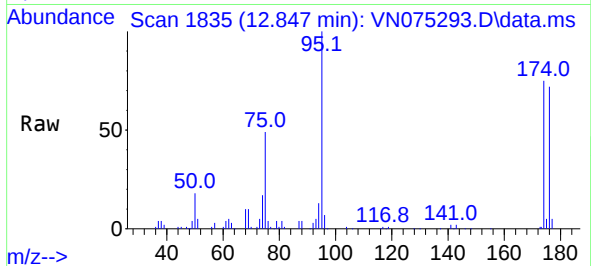




#76
1,2,3-Trichloropropane
Concen: 23.423 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 59318
Ion Ratio Lower Upper
75 100
77 0.9 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.127 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075293.D
Acq: 16 Nov 2022 17:15

Tgt Ion: 75 Resp: 59318
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

