

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111622\
 Data File : VN075292.D
 Acq On : 16 Nov 2022 16:51
 Operator : JC\MD
 Sample : PB149082ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 17 04:29:27 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

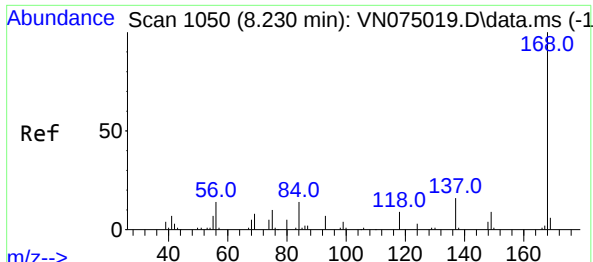
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	126230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	231579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	215562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	85817	50.457	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.920%	
35) Dibromofluoromethane	8.171	113	71387	52.510	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.020%	
50) Toluene-d8	10.571	98	275041	52.146	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.300%	
62) 4-Bromofluorobenzene	12.847	95	92373	49.856	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.720%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.924	94	219	Below Cal		91
6) Chloroethane	3.148	64	766	0.429	ug/l #	45
11) Tert butyl alcohol	5.512	59	2635	6.643	ug/l #	72
16) Acetone	4.448	43	14332	19.901	ug/l	97
18) Methyl Acetate	5.042	43	1763	0.749	ug/l #	83
20) Methylene Chloride	5.277	84	10198	6.351	ug/l	87
25) 2-Butanone	7.494	43	710	0.627	ug/l	96
31) Cyclohexane	8.236	56	2624	1.037	ug/l #	20
36) 1,1-Dichloropropene	8.230	75	9614	4.568	ug/l #	50
37) Ethyl Acetate	7.565	43	21061	9.124	ug/l	99
38) Carbon Tetrachloride	8.230	117	13682	5.910	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	665	0.284	ug/l #	75
43) Isopropyl Acetate	8.688	43	96685	27.004	ug/l #	91
45) 1,2-Dichloropropane	9.741	63	1104	0.720	ug/l #	42
48) Methyl methacrylate	9.665	41	2801	1.705	ug/l #	34
51) 4-Methyl-2-Pentanone	10.359	43	71867	31.106	ug/l #	44
53) t-1,3-Dichloropropene	10.729	75	757	0.310	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	40113	15.486	ug/l #	65
56) Ethyl methacrylate	10.988	69	822	0.315	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5486	1.929	ug/l #	42
59) 2-Hexanone	11.171	43	81580	46.524	ug/l #	21
71) Bromoform	12.853	173	776	0.607	ug/l #	1
74) N-amyl acetate	12.482	43	972	0.357	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	46465	23.854	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	46465	61.234	ug/l #	10
88) 1,4-Dichlorobenzene	13.812	146	630	0.200	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.382	180	334	0.246	ug/l #	65
95) Naphthalene	15.635	128	2009	0.385	ug/l #	73

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

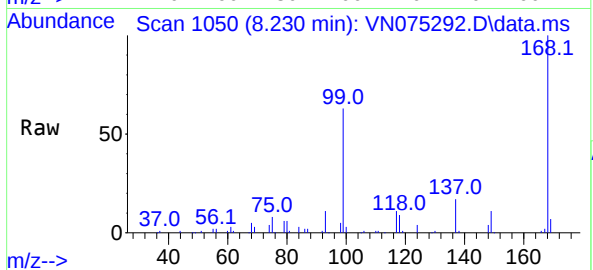
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration



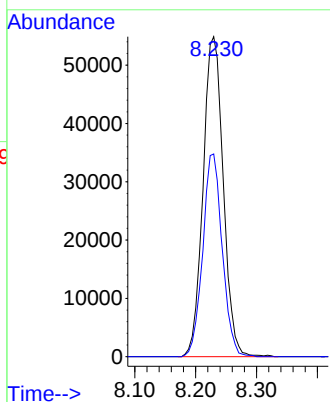
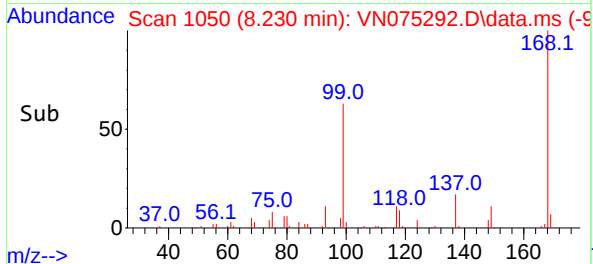


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Instrument :
MSVOA_N
ClientSampleId :

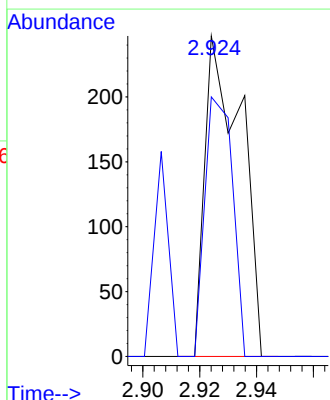
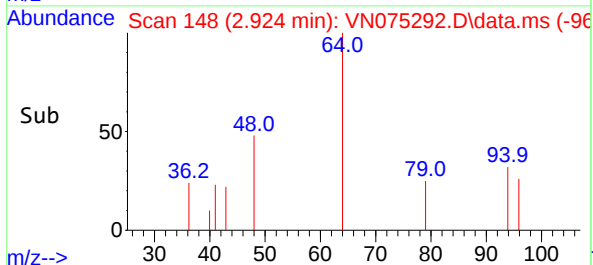
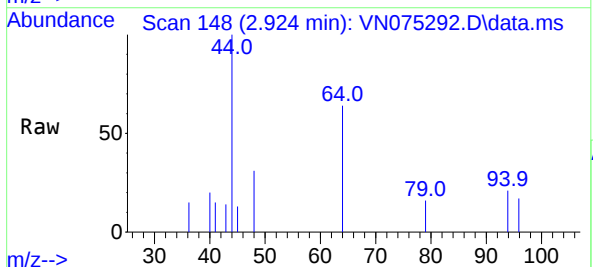


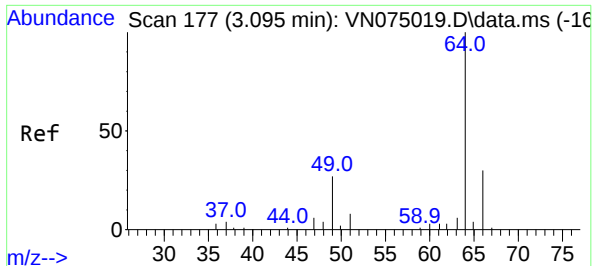
Tgt Ion:168 Resp: 126230
Ion Ratio Lower Upper
168 100
99 63.3 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.924 min Scan# 148
Delta R.T. 0.006 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

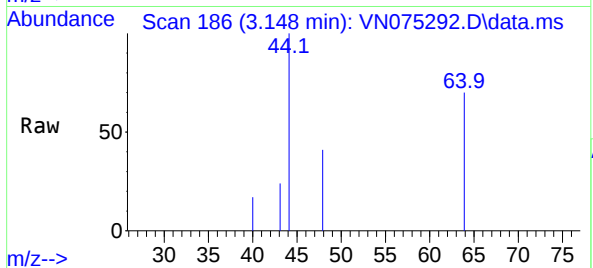
Tgt Ion: 94 Resp: 219
Ion Ratio Lower Upper
94 100
96 81.0 71.8 107.6



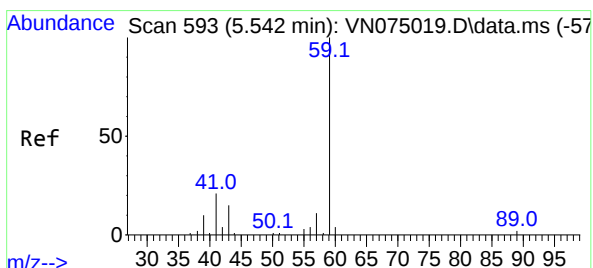
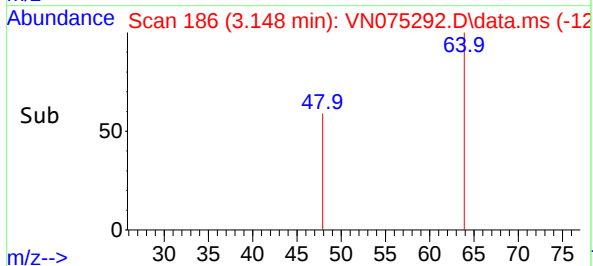
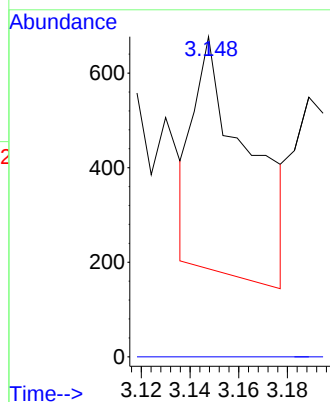


#6
Chloroethane
Concen: 0.429 ug/l
RT: 3.148 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Instrument :
MSVOA_N
ClientSampleId :

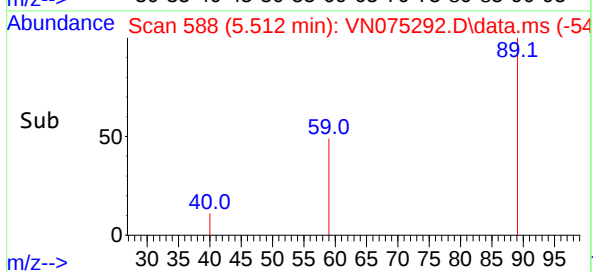
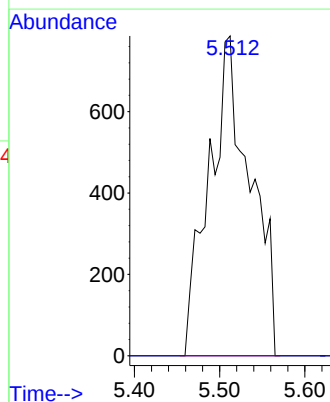
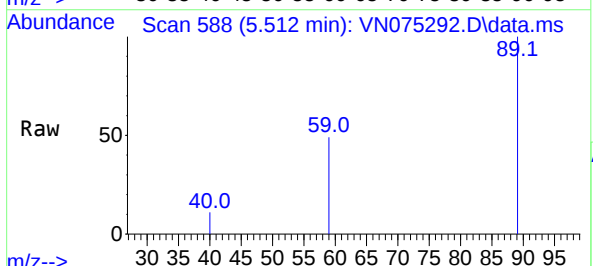


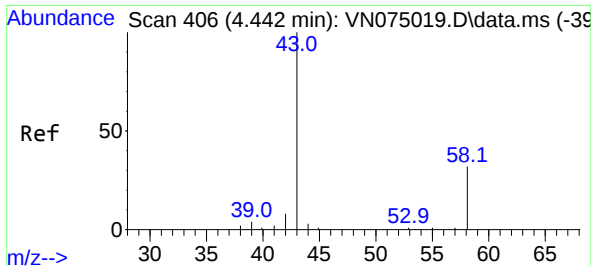
Tgt Ion: 64 Resp: 766
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 6.643 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Tgt Ion: 59 Resp: 2635
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

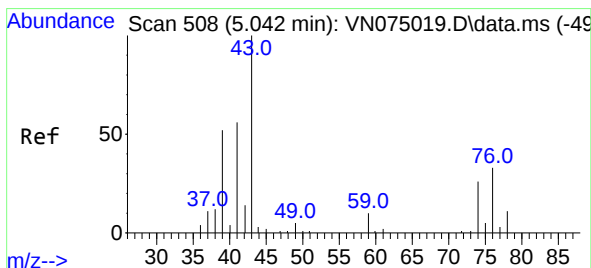
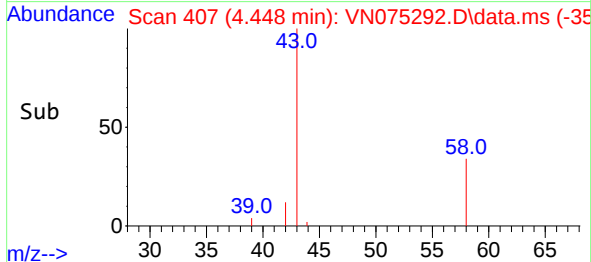
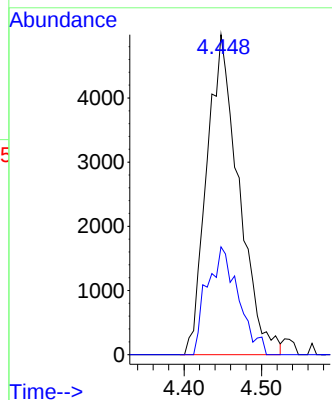
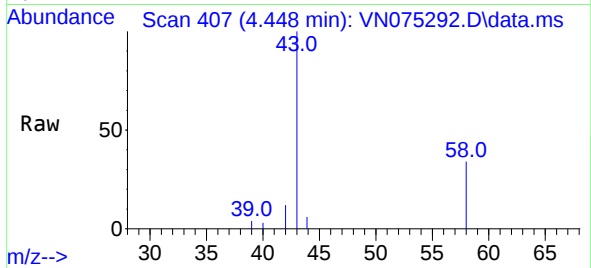




#16
Acetone
Concen: 19.901 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

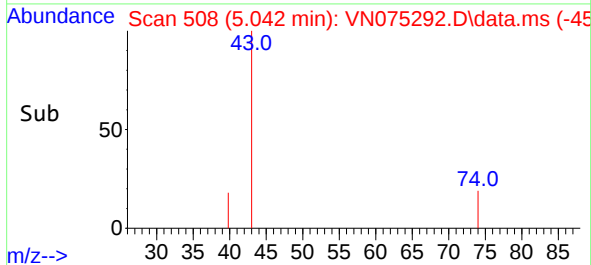
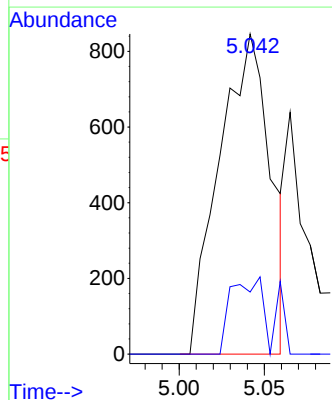
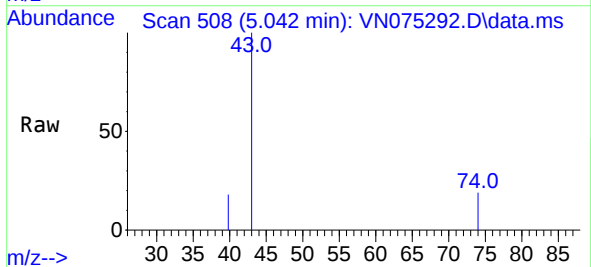
Instrument :
MSVOA_N
ClientSampleId :

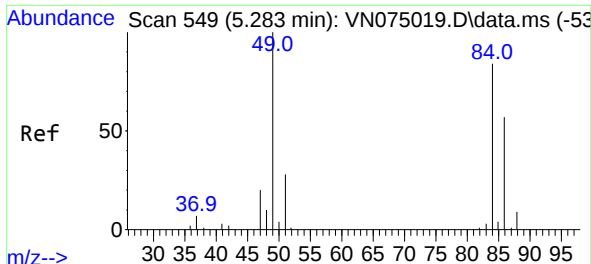
Tgt Ion: 43 Resp: 14332
Ion Ratio Lower Upper
43 100
58 33.7 25.5 38.3



#18
Methyl Acetate
Concen: 0.749 ug/l
RT: 5.042 min Scan# 508
Delta R.T. -0.000 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

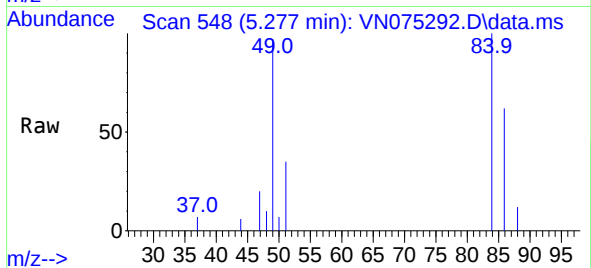
Tgt Ion: 43 Resp: 1763
Ion Ratio Lower Upper
43 100
74 18.4 22.0 33.0#





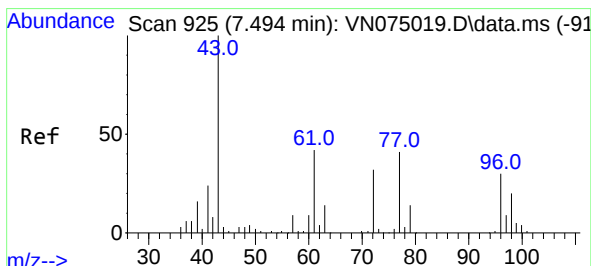
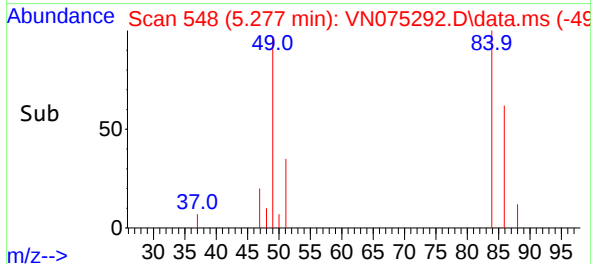
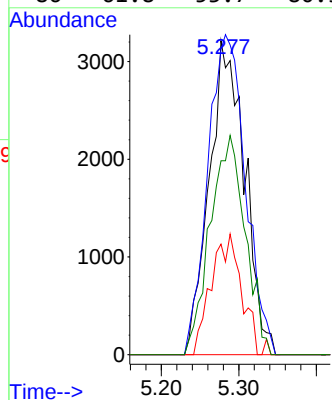
#20
Methylene Chloride
Concen: 6.351 ug/l
RT: 5.277 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 10198

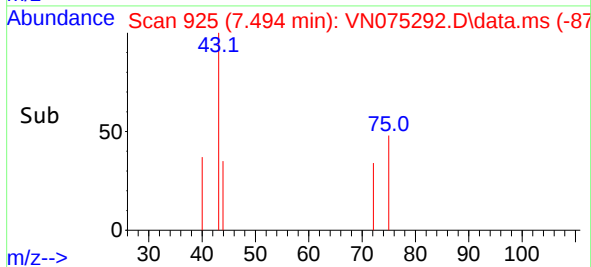
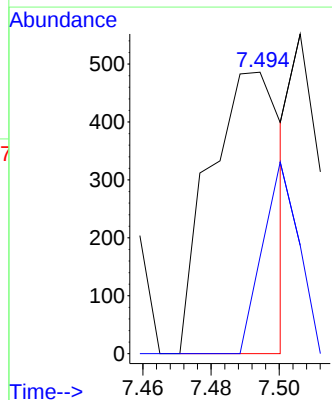
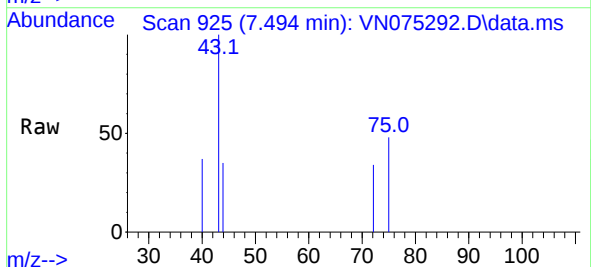
Ion	Ratio	Lower	Upper
84	100		
49	97.3	94.9	142.3
51	35.3	26.8	40.2
86	61.8	53.7	80.5

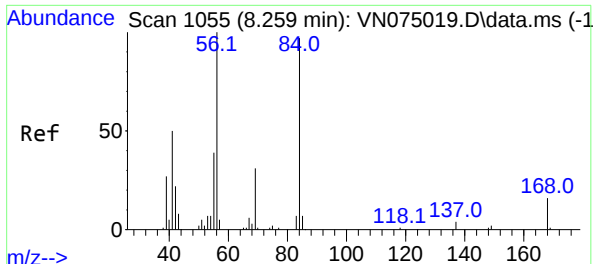


#25
2-Butanone
Concen: 0.627 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.000 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Tgt Ion: 43 Resp: 710

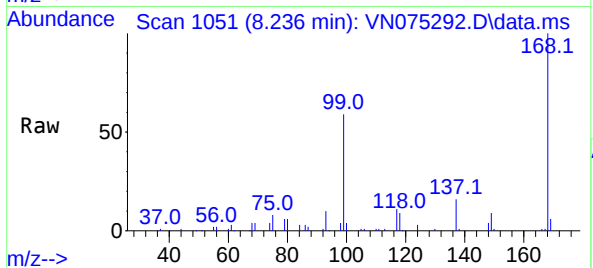
Ion	Ratio	Lower	Upper
43	100		
72	34.4	25.5	38.3



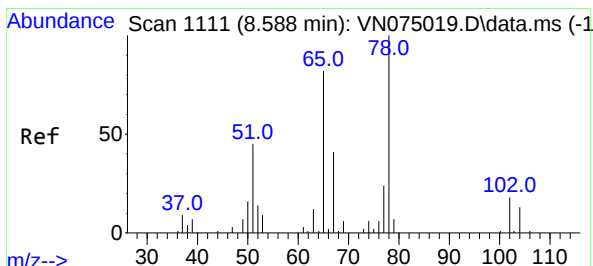
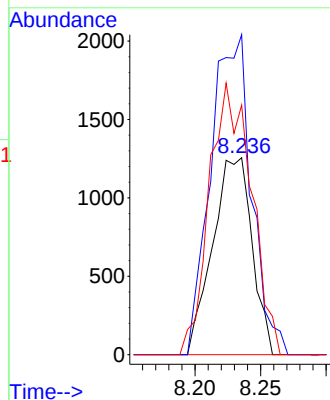
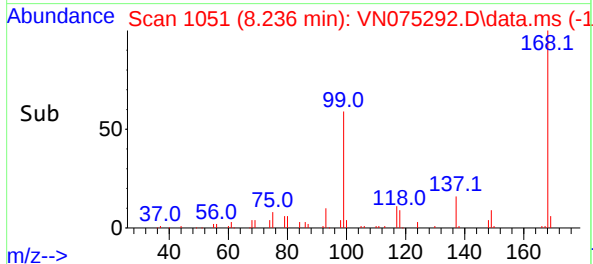


#31
Cyclohexane
Concen: 1.037 ug/l
RT: 8.236 min Scan# 1105
Delta R.T. -0.024 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Instrument :
MSVOA_N
ClientSampleId :

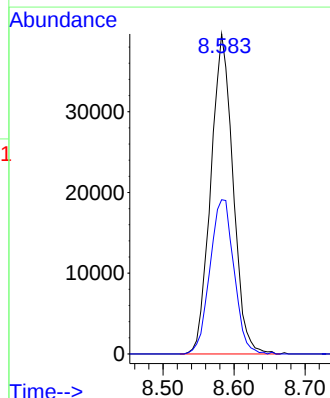
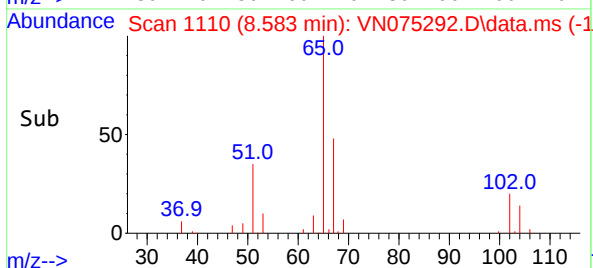
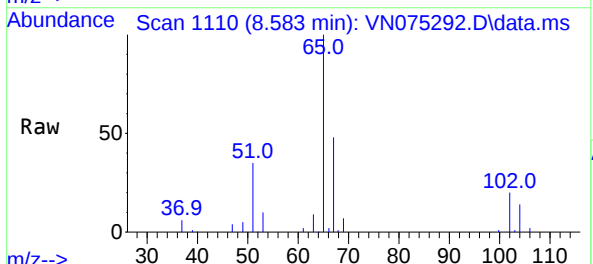


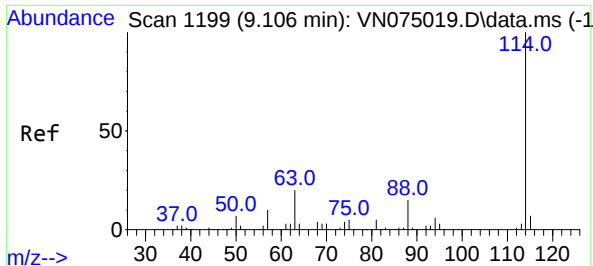
Tgt Ion: 56 Resp: 2624
Ion Ratio Lower Upper
56 100
69 162.5 25.2 37.8#
84 126.8 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 50.457 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

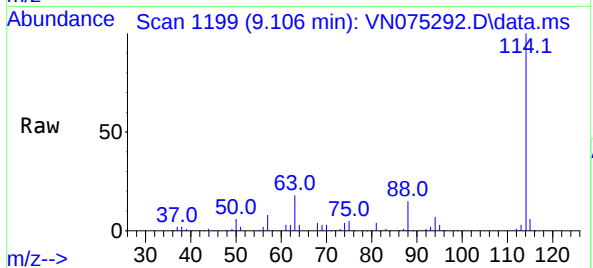
Tgt Ion: 65 Resp: 85817
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.0



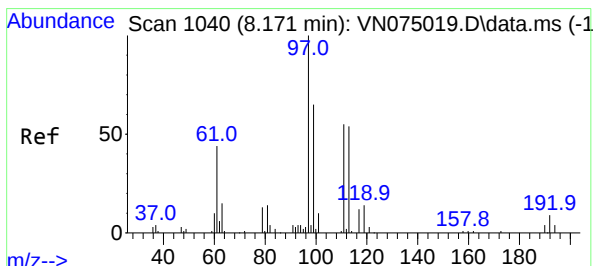
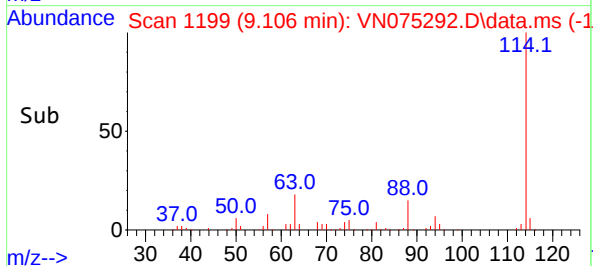
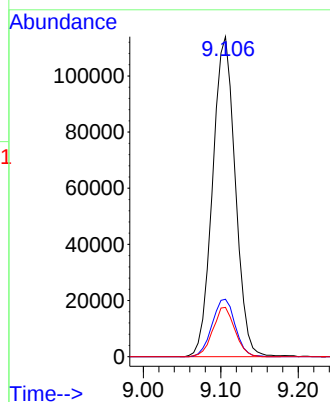


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Instrument :
MSVOA_N
ClientSampleId :

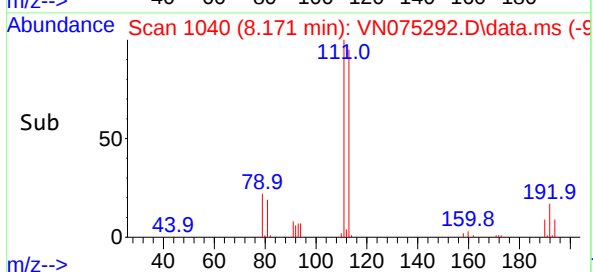
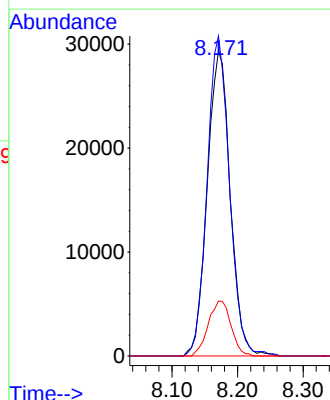
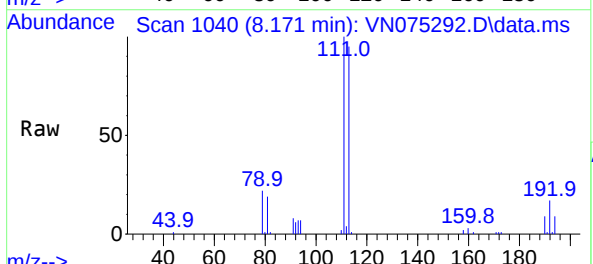


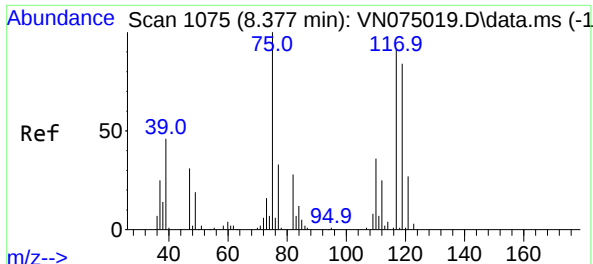
Tgt Ion:114 Resp: 231579
Ion Ratio Lower Upper
114 100
63 18.0 0.0 39.6
88 15.4 0.0 29.0



#35
Dibromofluoromethane
Concen: 52.510 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Tgt Ion:113 Resp: 71387
Ion Ratio Lower Upper
113 100
111 102.3 80.5 120.7
192 17.8 13.2 19.8

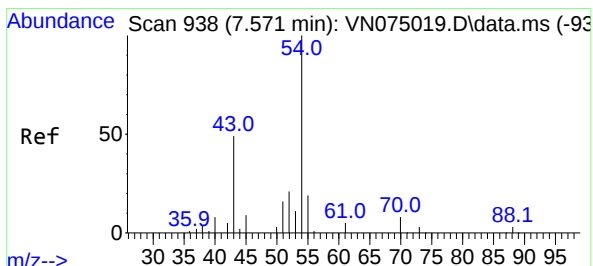
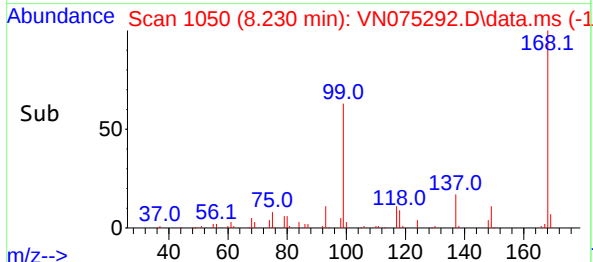
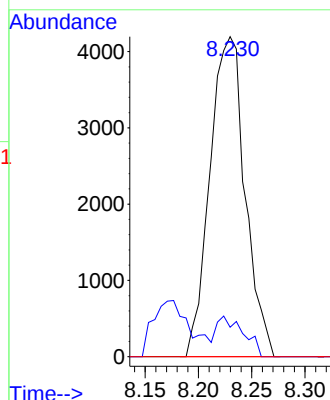
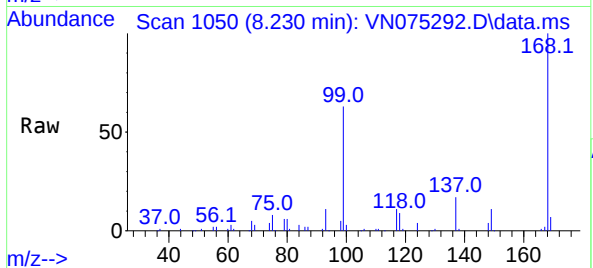




#36
1,1-Dichloropropene
Concen: 4.568 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

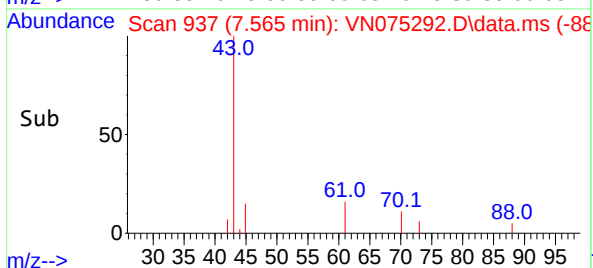
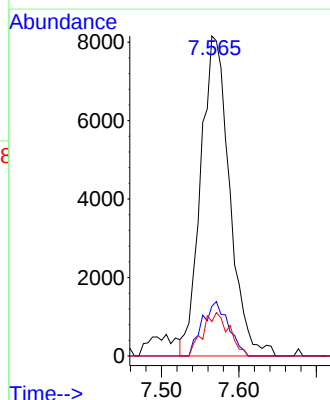
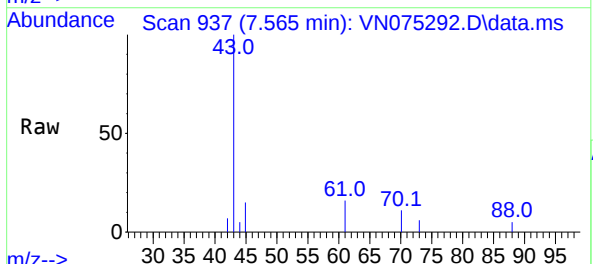
Instrument :
MSVOA_N
ClientSampleId :

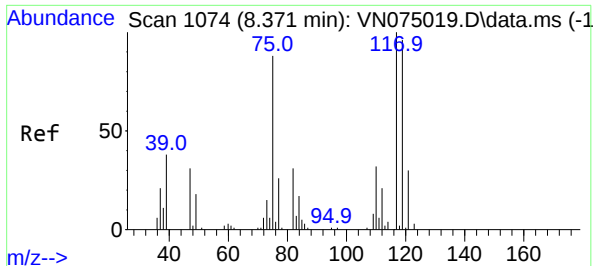
Tgt Ion: 75 Resp: 9614
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 9.124 ug/l
RT: 7.565 min Scan# 937
Delta R.T. -0.006 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

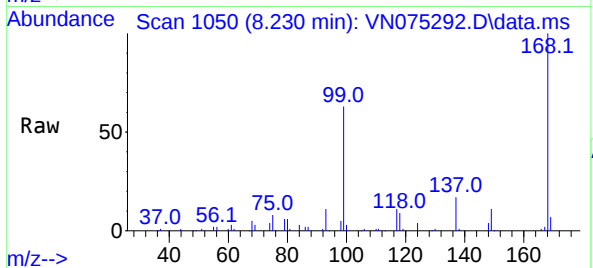
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Ion Ratio Lower Upper
43 100
61 15.4 12.2 18.4
70 12.3 9.4 14.2



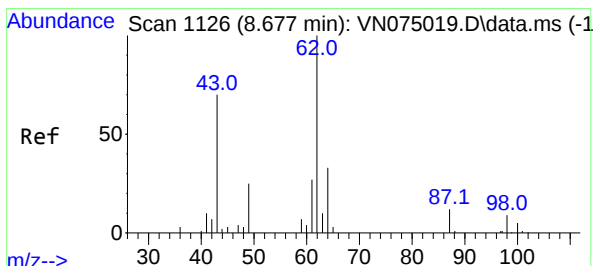
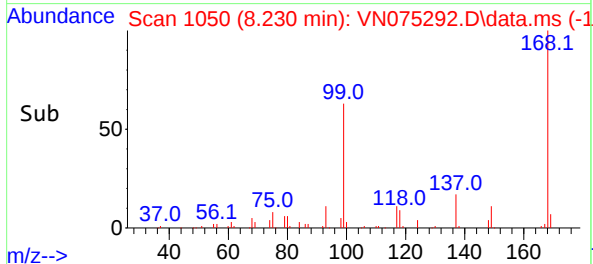
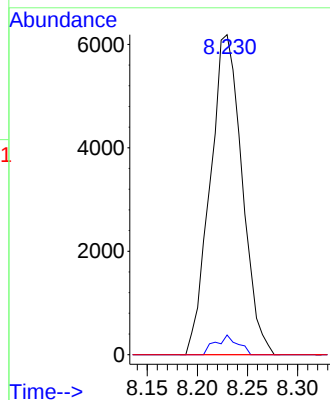


#38
Carbon Tetrachloride
Concen: 5.910 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Instrument :
MSVOA_N
ClientSampleId :

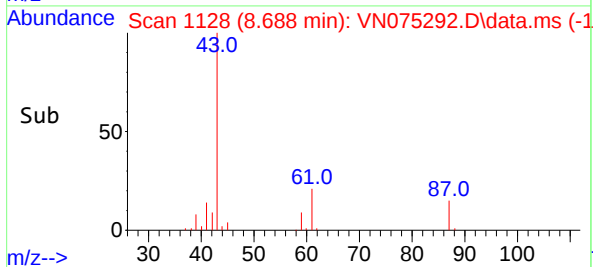
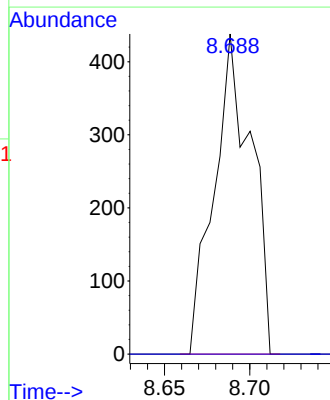
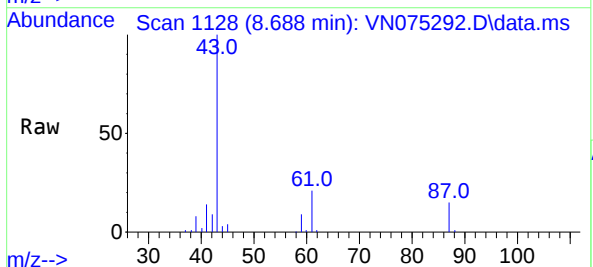


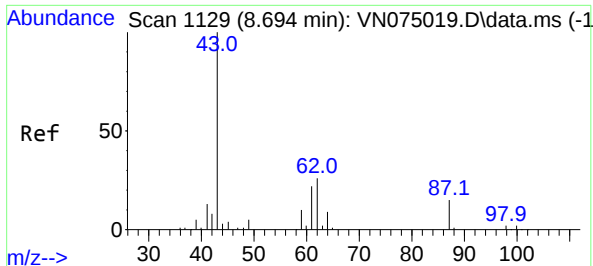
Tgt Ion:117 Resp: 13682
Ion Ratio Lower Upper
117 100
119 6.2 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.284 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Tgt Ion: 62 Resp: 665
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

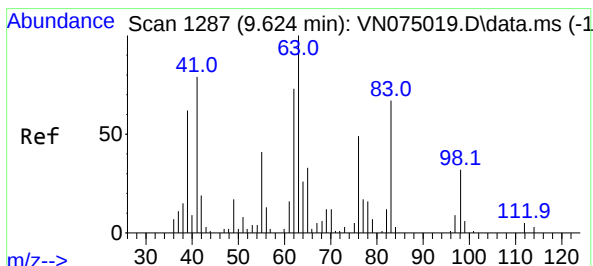
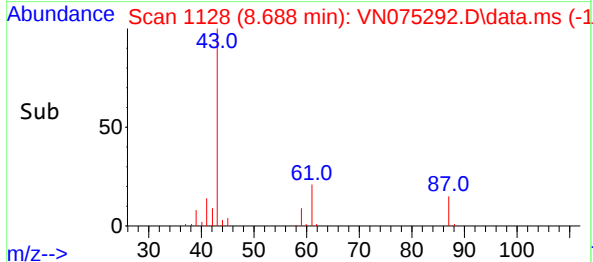
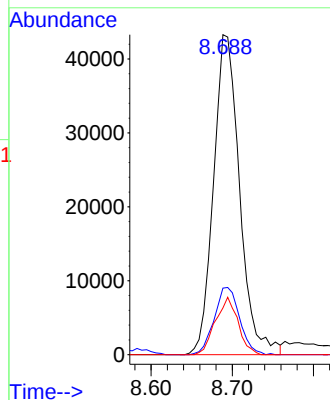
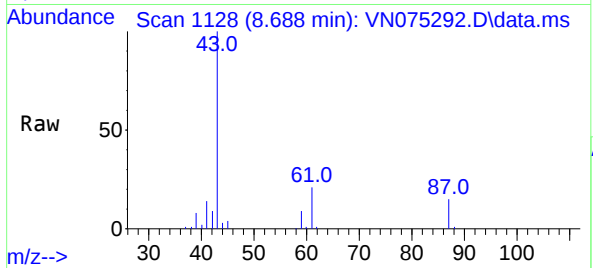




#43
Isopropyl Acetate
Concen: 27.004 ug/l
RT: 8.688 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

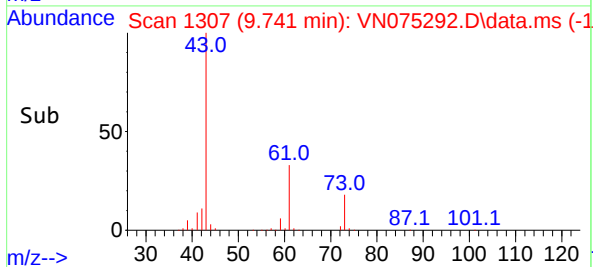
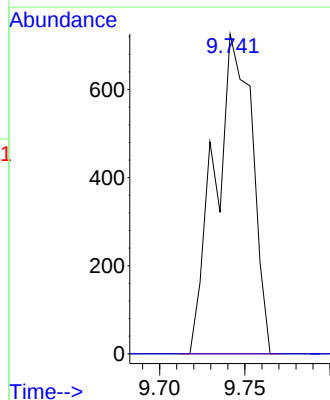
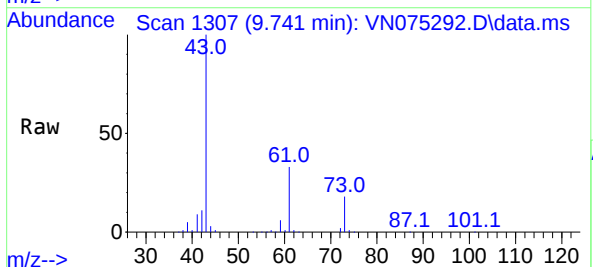
Instrument :
MSVOA_N
ClientSampleId :

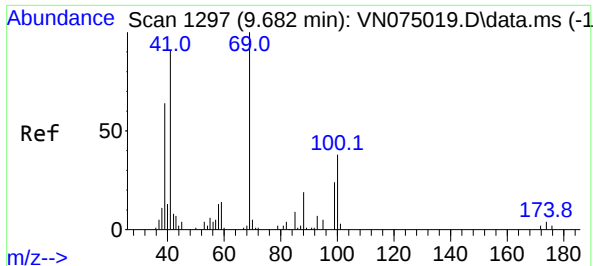
Tgt Ion: 43 Resp: 96685
Ion Ratio Lower Upper
43 100
61 20.5 22.4 33.6#
87 15.6 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.720 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Tgt Ion: 63 Resp: 1104
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.705 ug/l

RT: 9.665 min Scan# 1297

Delta R.T. -0.017 min

Lab File: VN075292.D

Acq: 16 Nov 2022 16:51

Instrument :

MSVOA_N

ClientSampleId :

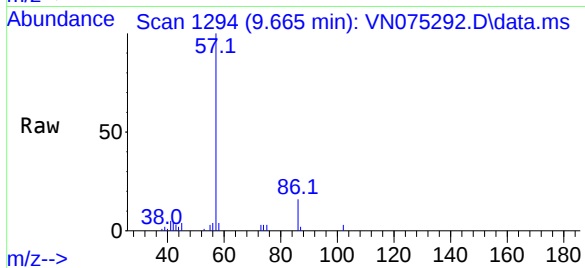
Tgt Ion: 41 Resp: 2801

Ion Ratio Lower Upper

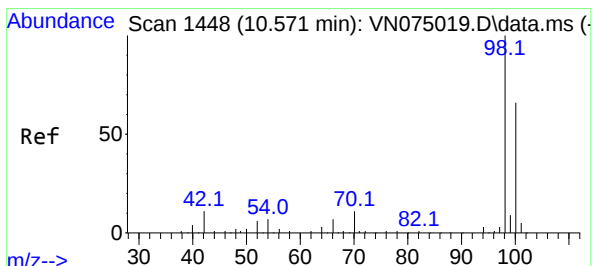
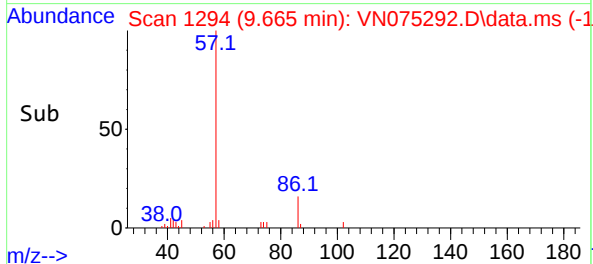
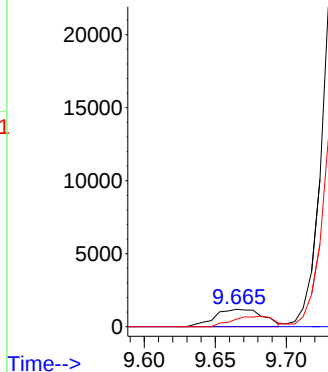
41 100

69 0.0 80.2 120.2#

39 55.0 56.2 84.2#



Abundance



#50

Toluene-d8

Concen: 52.146 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075292.D

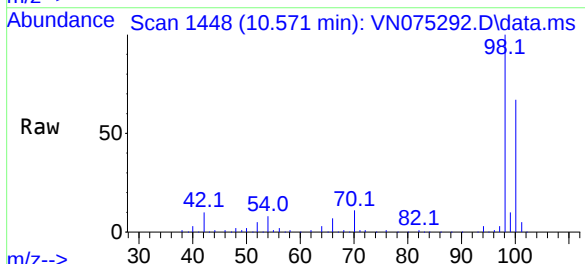
Acq: 16 Nov 2022 16:51

Tgt Ion: 98 Resp: 275041

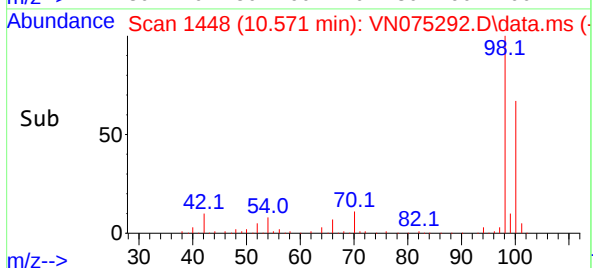
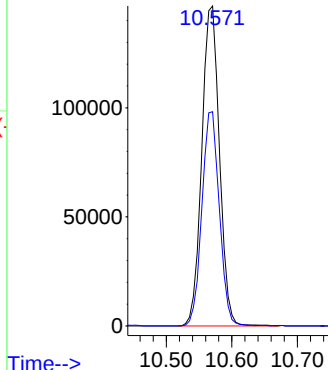
Ion Ratio Lower Upper

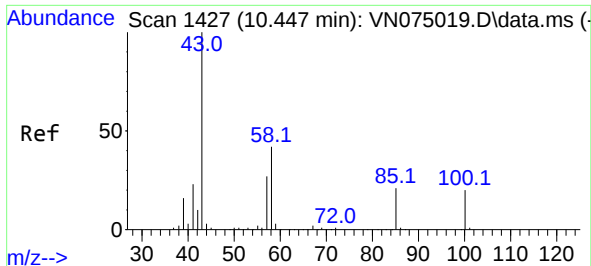
98 100

100 66.2 53.0 79.6



Abundance

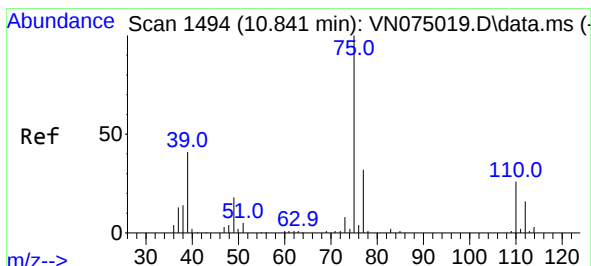
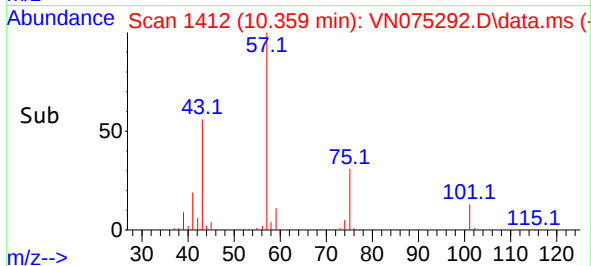
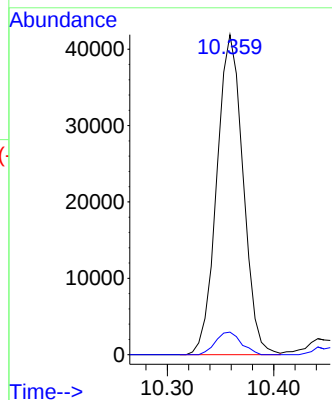
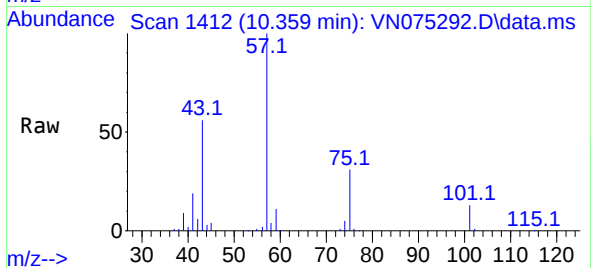




#51
4-Methyl-2-Pentanone
Concen: 31.106 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

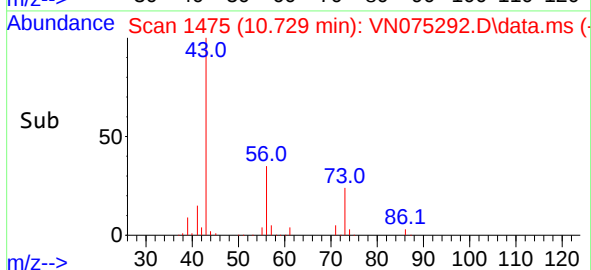
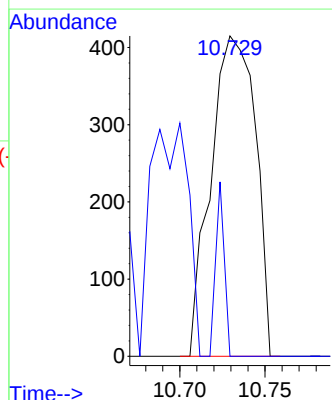
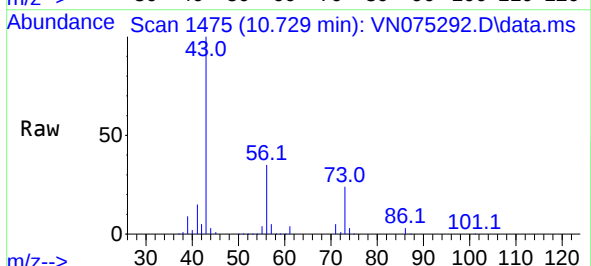
Instrument :
MSVOA_N
ClientSampleId :

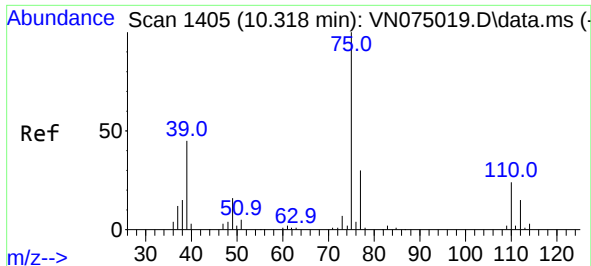
Tgt Ion: 43 Resp: 71867
Ion Ratio Lower Upper
43 100
58 6.9 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.310 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.112 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Tgt Ion: 75 Resp: 757
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

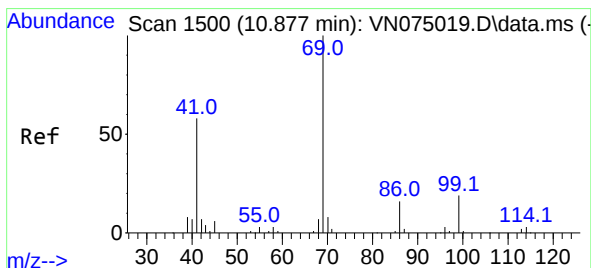
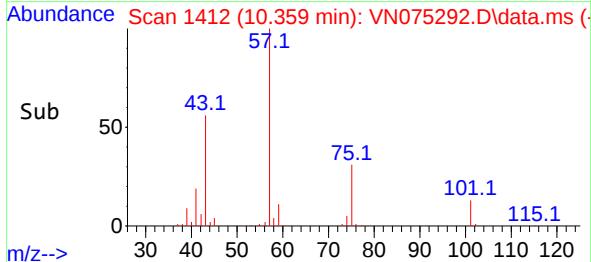
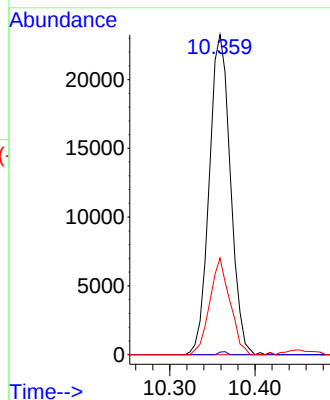
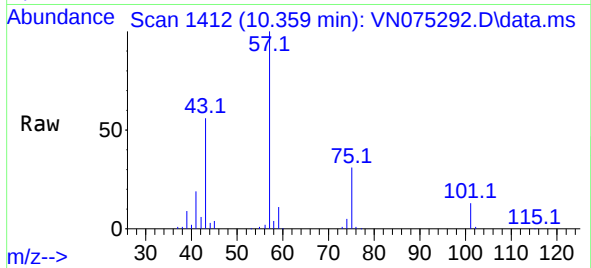




#54
cis-1,3-Dichloropropene
Concen: 15.486 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.041 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

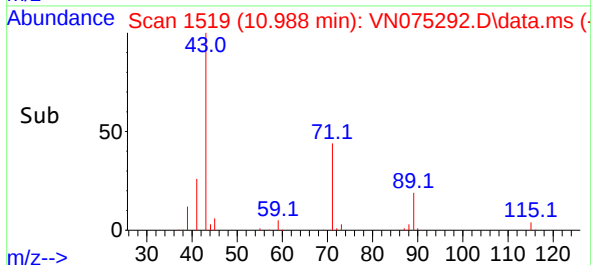
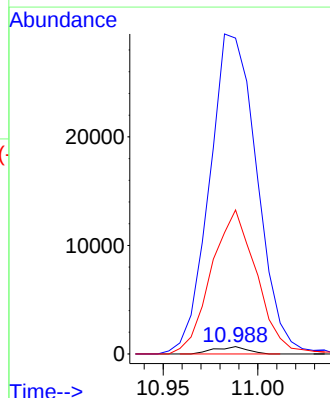
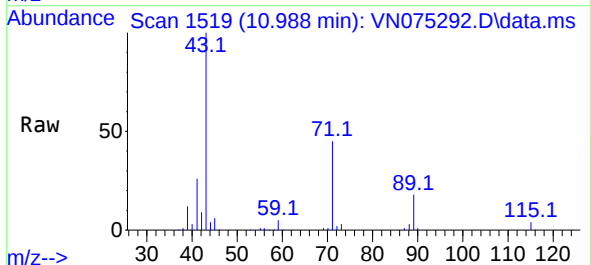
Instrument :
MSVOA_N
ClientSampleId :

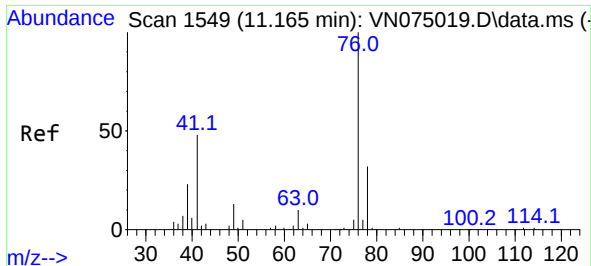
Tgt Ion: 75 Resp: 40113
Ion Ratio Lower Upper
75 100
77 0.8 23.7 35.5#
39 30.2 35.8 53.6#



#56
Ethyl methacrylate
Concen: 0.315 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.111 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Tgt Ion: 69 Resp: 822
Ion Ratio Lower Upper
69 100
41 6289.2 45.6 68.4#
39 2712.2 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.929 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN075292.D

Acq: 16 Nov 2022 16:51

Instrument :

MSVOA_N

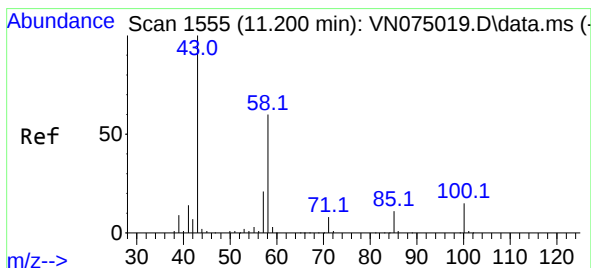
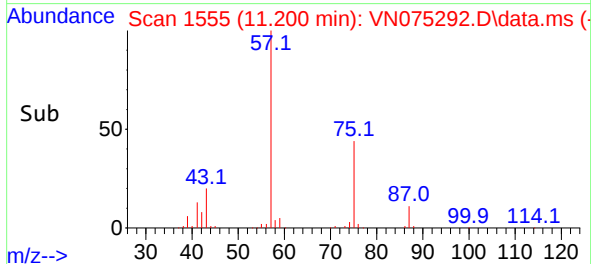
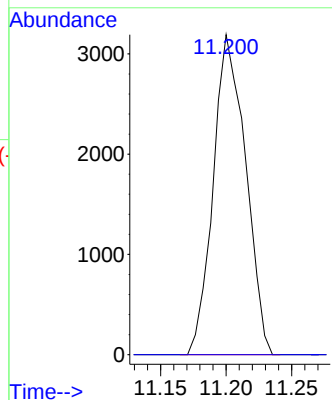
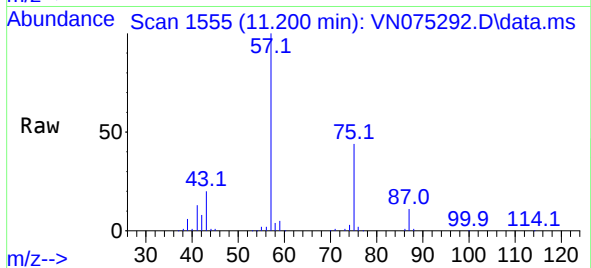
ClientSampleId :

Tgt Ion: 76 Resp: 5486

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 46.524 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN075292.D

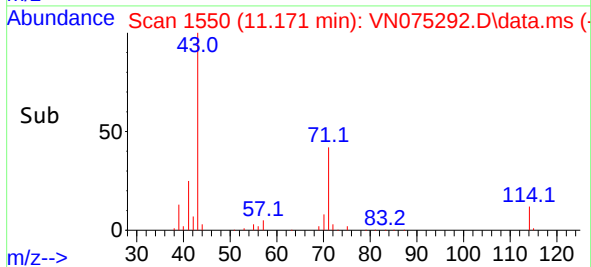
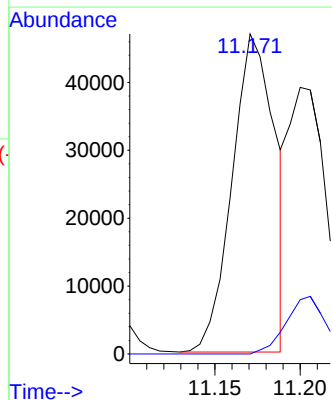
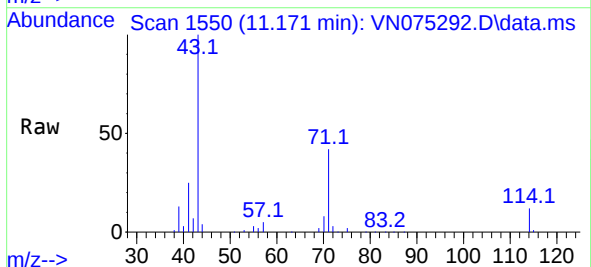
Acq: 16 Nov 2022 16:51

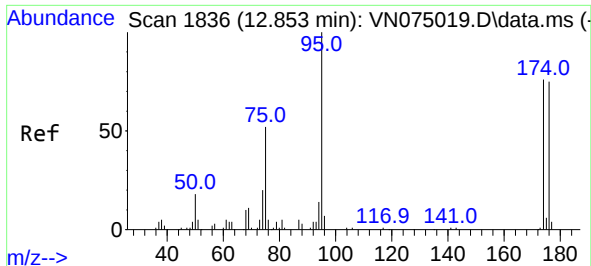
Tgt Ion: 43 Resp: 81580

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#





#62

4-Bromofluorobenzene

Concen: 49.856 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.006 min

Lab File: VN075292.D

Acq: 16 Nov 2022 16:51

Instrument :

MSVOA_N

ClientSampleId :

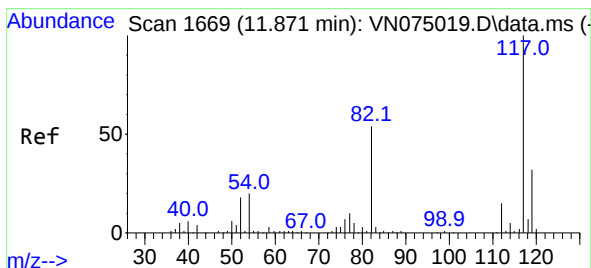
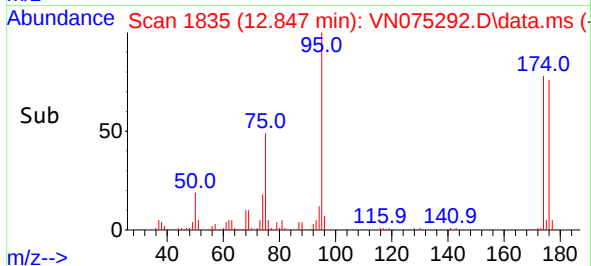
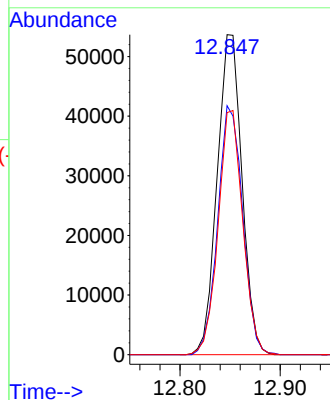
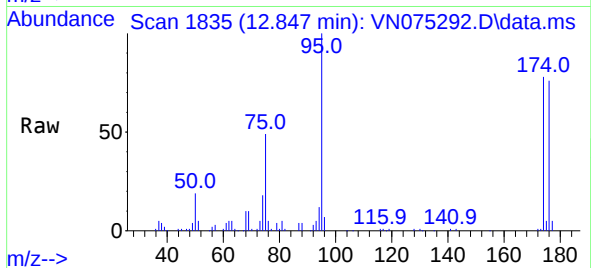
Tgt Ion: 95 Resp: 92373

Ion Ratio Lower Upper

95 100

174 78.2 0.0 147.4

176 75.5 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: VN075292.D

Acq: 16 Nov 2022 16:51

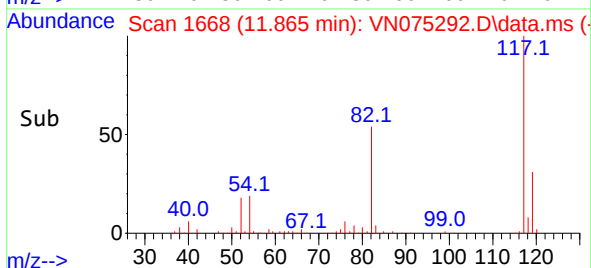
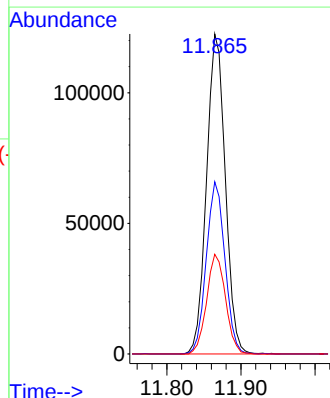
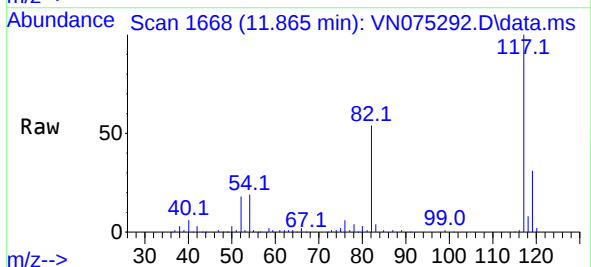
Tgt Ion: 117 Resp: 215562

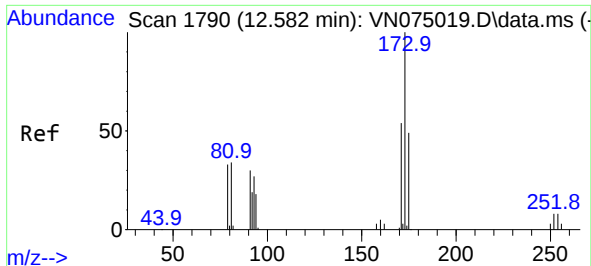
Ion Ratio Lower Upper

117 100

82 53.8 43.1 64.7

119 31.1 25.5 38.3

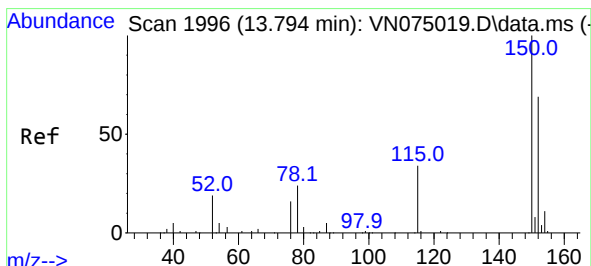
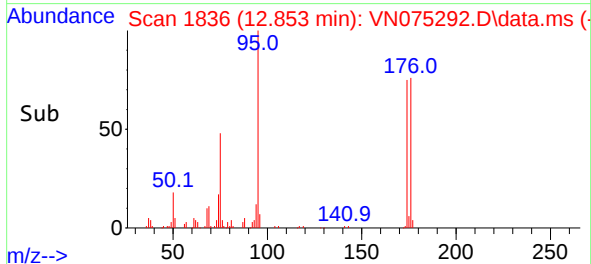
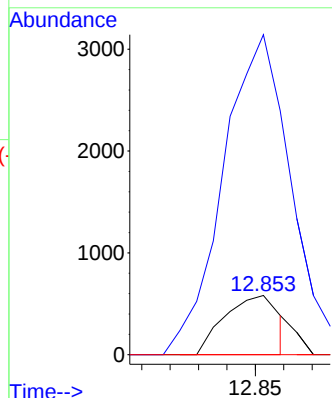
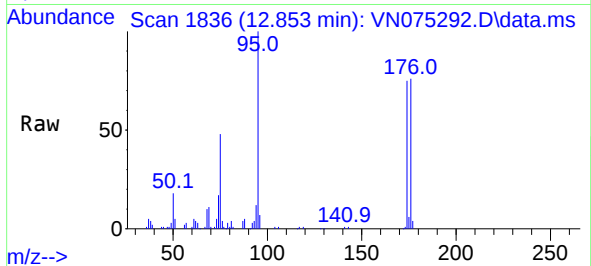




#71
Bromoform
Concen: 0.607 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

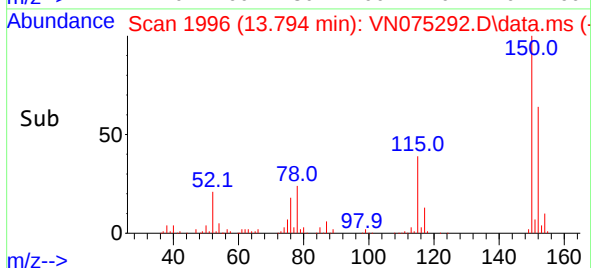
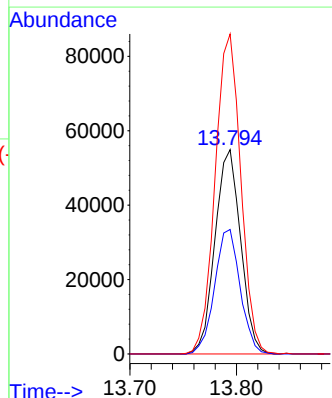
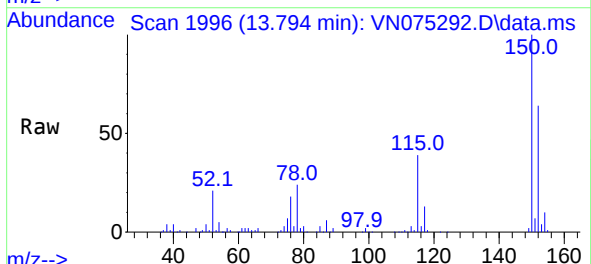
Instrument :
MSVOA_N
ClientSampleId :

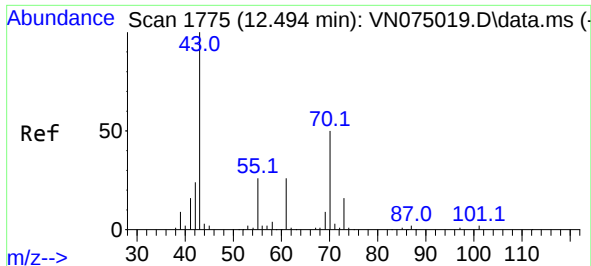
Tgt Ion:173 Resp: 776
Ion Ratio Lower Upper
173 100
175 569.5 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

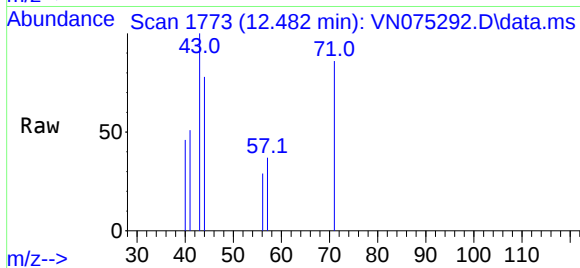
Tgt Ion:152 Resp: 91739
Ion Ratio Lower Upper
152 100
115 60.7 30.2 90.6
150 156.9 0.0 348.4





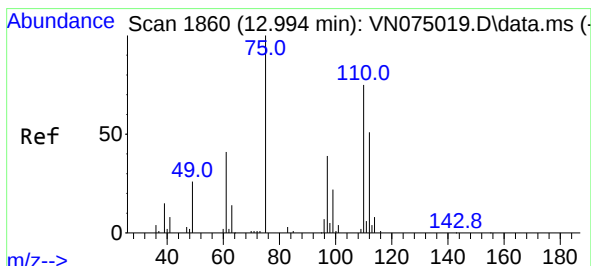
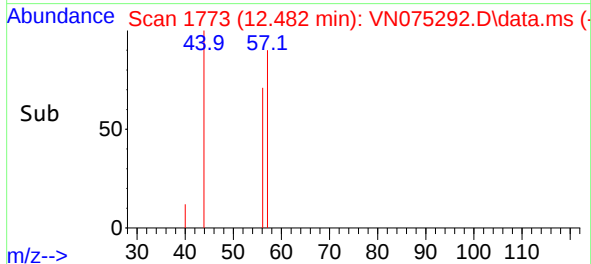
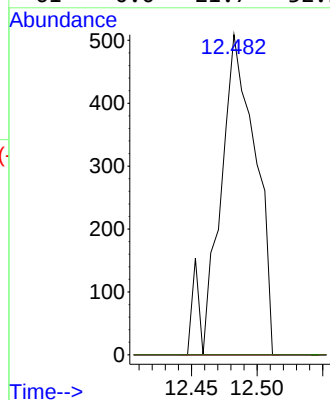
#74
N-amy1 acetate
Concen: 0.357 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 972

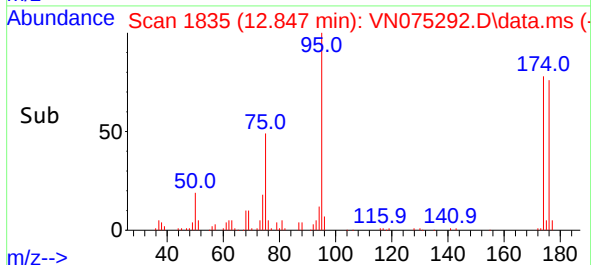
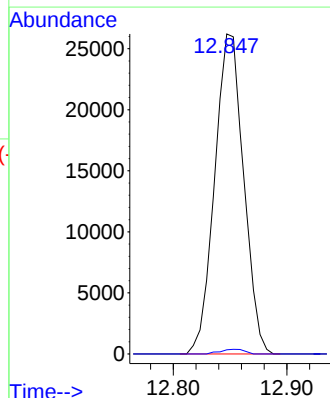
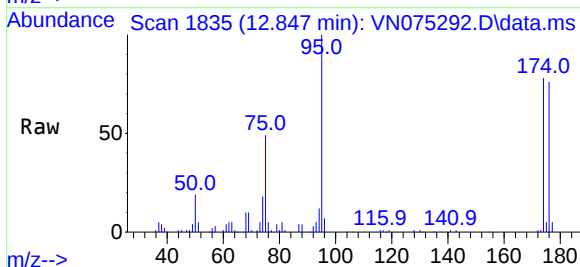
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.8	59.8#
55	0.0	19.9	29.9#
61	0.0	21.7	32.5#

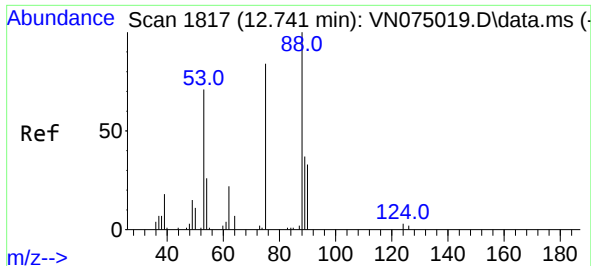


#76
1,2,3-Trichloropropane
Concen: 23.854 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Tgt Ion: 75 Resp: 46465

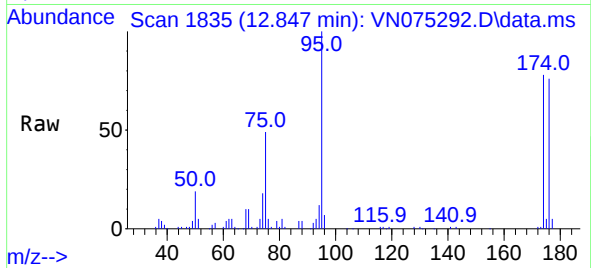
Ion	Ratio	Lower	Upper
75	100		
77	1.2	75.6	226.8#



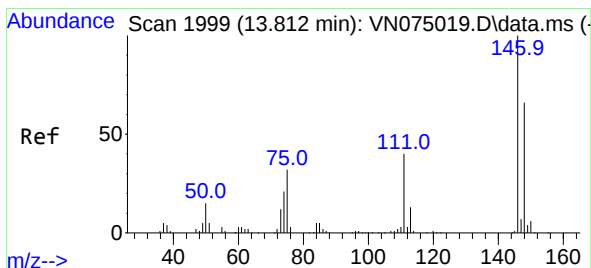
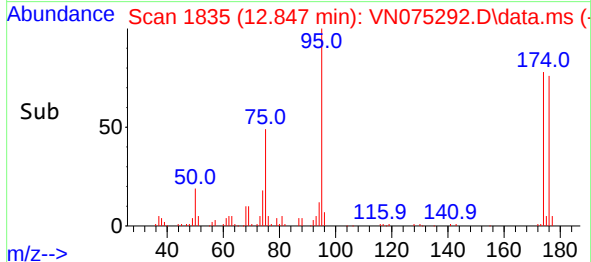
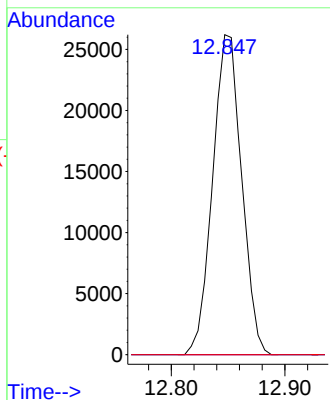


#81
trans-1,4-Dichloro-2-butene
Concen: 61.234 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Instrument :
MSVOA_N
ClientSampleId :

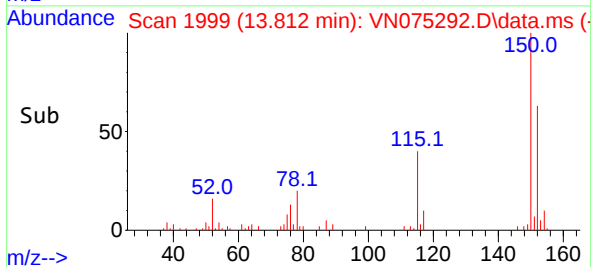
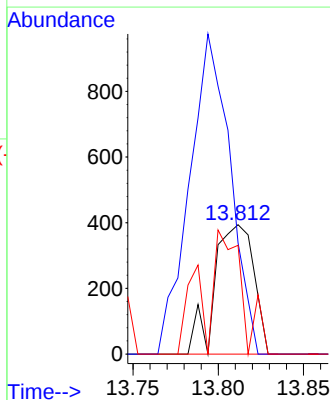
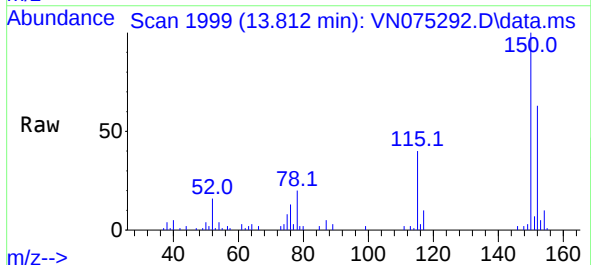


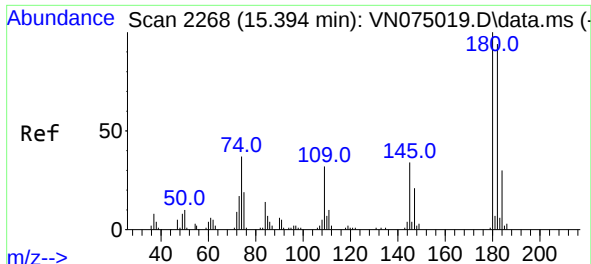
Tgt Ion: 75 Resp: 46465
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#88
1,4-Dichlorobenzene
Concen: 0.200 ug/l
RT: 13.812 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

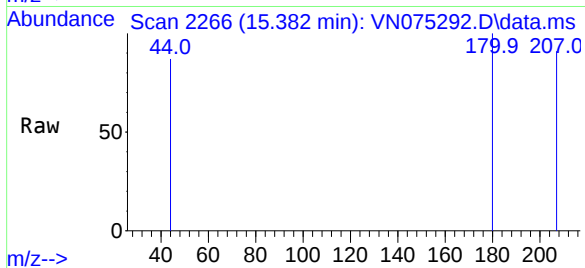
Tgt Ion:146 Resp: 630
Ion Ratio Lower Upper
146 100
111 257.8 20.1 60.3#
148 67.6 31.9 95.7



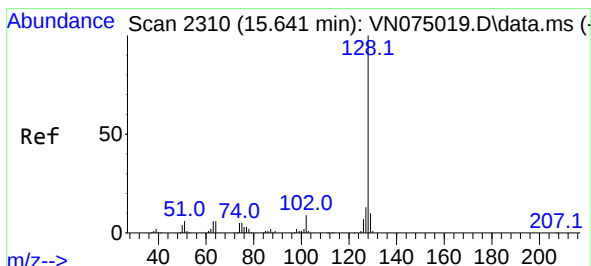
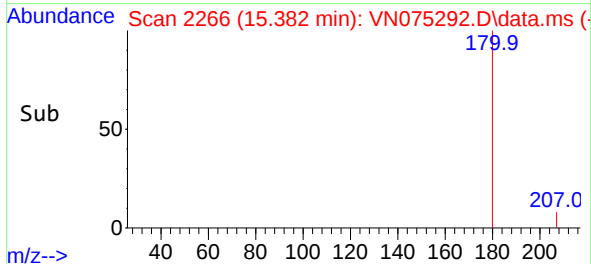
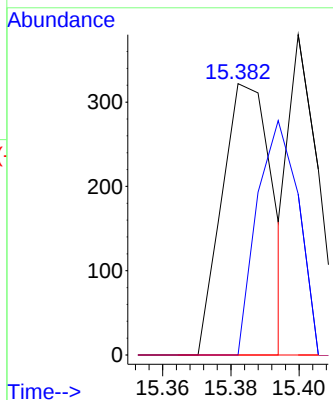


#93
1,2,4-Trichlorobenzene
Concen: 0.246 ug/l
RT: 15.382 min Scan# 21
Delta R.T. -0.012 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:180 Resp: 334
Ion Ratio Lower Upper
180 100
182 70.1 47.8 143.4
145 0.0 16.8 50.3#



#95
Naphthalene
Concen: 0.385 ug/l
RT: 15.635 min Scan# 2309
Delta R.T. -0.006 min
Lab File: VN075292.D
Acq: 16 Nov 2022 16:51

Tgt Ion:128 Resp: 2009
Ion Ratio Lower Upper
128 100
127 2.7 10.4 15.6#
129 0.0 8.6 12.8#

