

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111622\
 Data File : VN075295.D
 Acq On : 16 Nov 2022 18:03
 Operator : JC\MD
 Sample : PB149082ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 17 04:29:55 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)

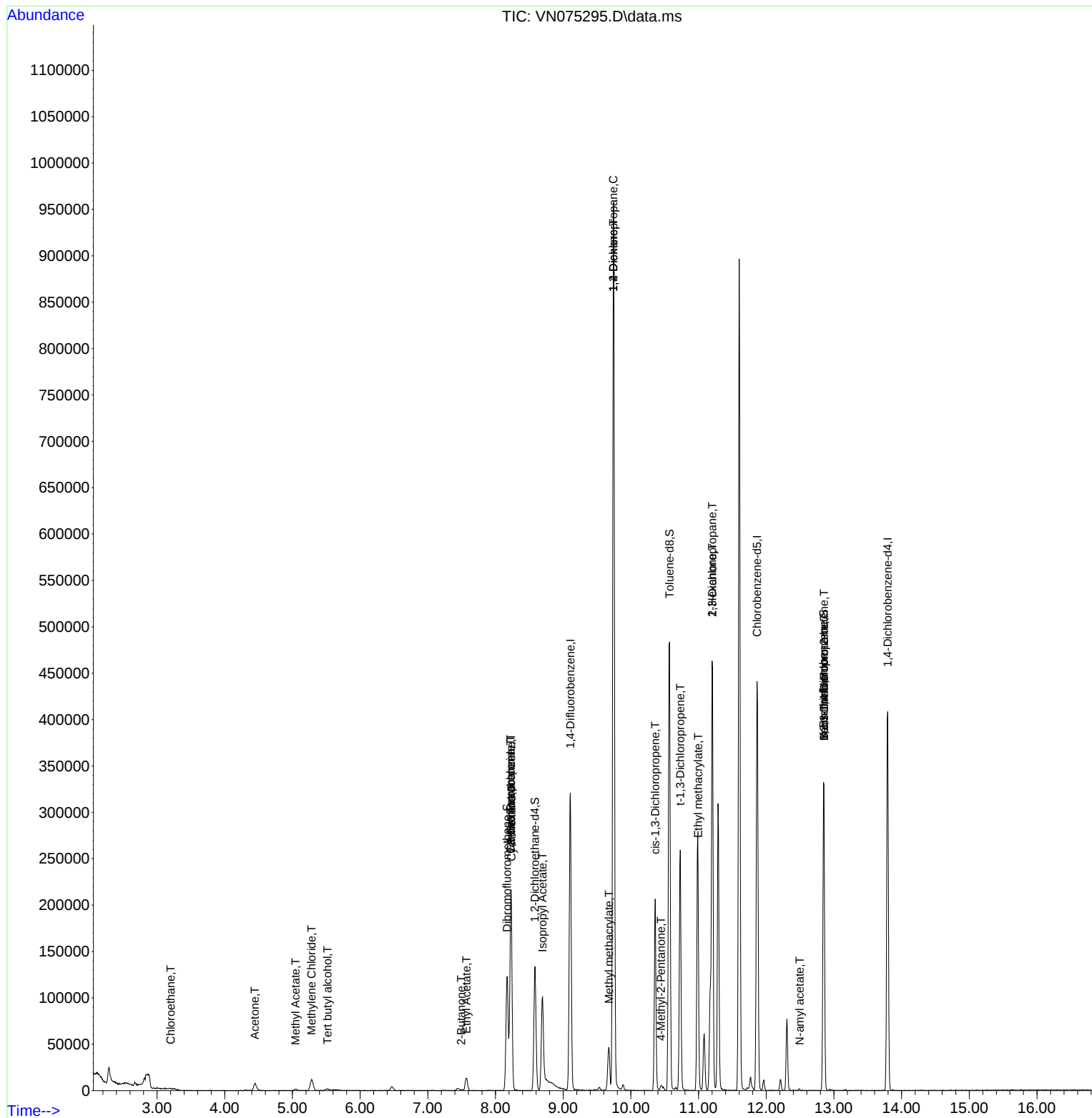
Internal Standards						
1) Pentafluorobenzene	8.230	168	161402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	295988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	106931	49.170	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.340%		
35) Dibromofluoromethane	8.171	113	90426	52.041	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.080%		
50) Toluene-d8	10.571	98	351424	52.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.260%		
62) 4-Bromofluorobenzene	12.847	95	114517	48.358	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.720%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.924	94	68	Below Cal	#	5
6) Chloroethane	3.201	64	601	0.263	ug/l #	45
11) Tert butyl alcohol	5.518	59	1232	2.429	ug/l #	72
16) Acetone	4.442	43	14850	16.127	ug/l	94
18) Methyl Acetate	5.047	43	3324	1.105	ug/l #	66
20) Methylene Chloride	5.283	84	10443	5.086	ug/l	90
25) 2-Butanone	7.494	43	852	0.588	ug/l	95
31) Cyclohexane	8.236	56	3163	0.978	ug/l #	19
36) 1,1-Dichloropropene	8.224	75	13111	4.874	ug/l #	50
37) Ethyl Acetate	7.571	43	20763	7.038	ug/l	98
38) Carbon Tetrachloride	8.224	117	16698	5.643	ug/l #	18
43) Isopropyl Acetate	8.694	43	119596	26.135	ug/l #	85
45) 1,2-Dichloropropane	9.741	63	1205	0.615	ug/l #	42
48) Methyl methacrylate	9.677	41	3069	1.462	ug/l #	31
49) 1,4-Dioxane	9.741	88	57	1.037	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	3434	1.163	ug/l	90
53) t-1,3-Dichloropropene	10.729	75	703	0.225	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	39865	12.041	ug/l #	63
56) Ethyl methacrylate	10.994	69	752	0.226	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5644	1.552	ug/l #	42
59) 2-Hexanone	11.200	43	58222	25.978	ug/l #	51
71) Bromoform	12.853	173	1033	0.641	ug/l #	1
74) N-amyl acetate	12.494	43	910	0.268	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	59748	24.590	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	59748	63.122	ug/l #	10

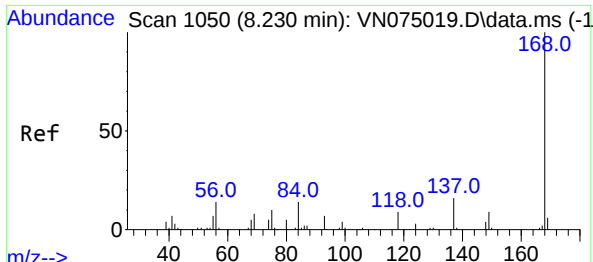
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :

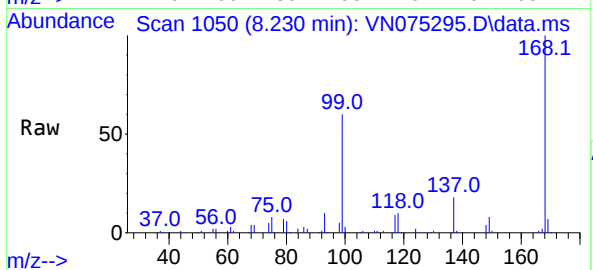
Quant Time: Nov 17 04:29:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration



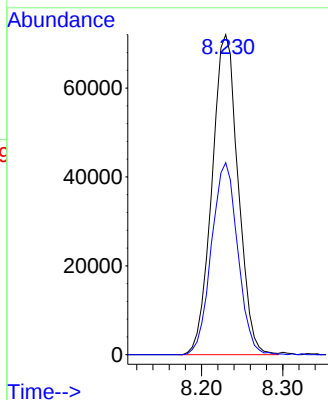
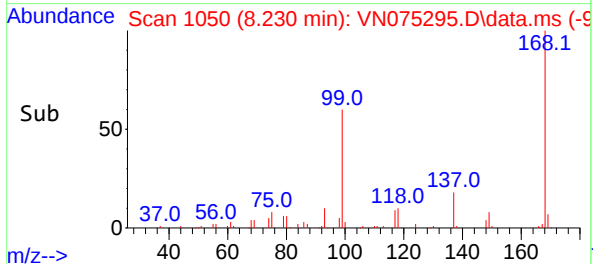


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

Instrument :
MSVOA_N
ClientSampleId :

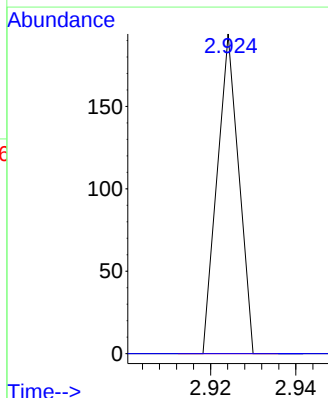
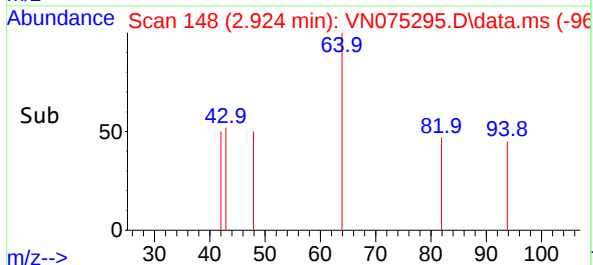
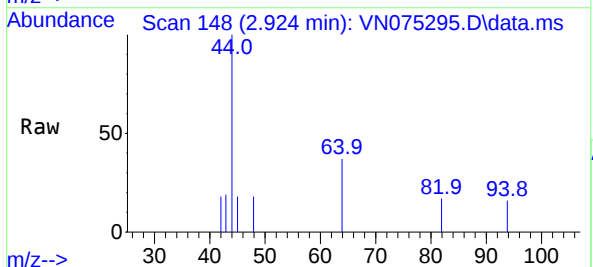


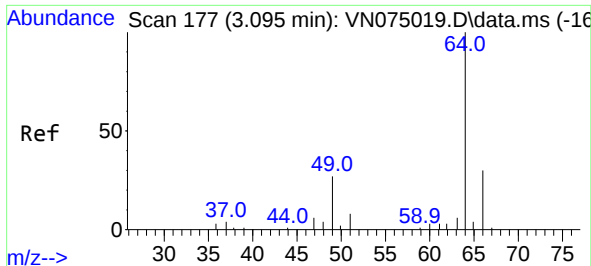
Tgt Ion:168 Resp: 161402
Ion Ratio Lower Upper
168 100
99 60.0 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.924 min Scan# 148
Delta R.T. 0.006 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

Tgt Ion: 94 Resp: 68
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

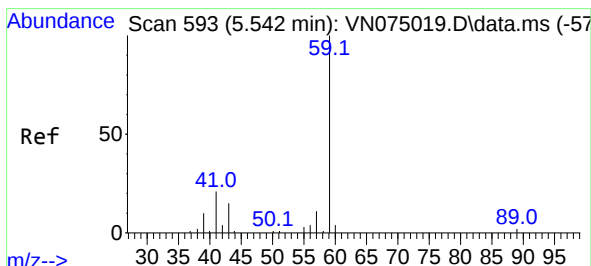
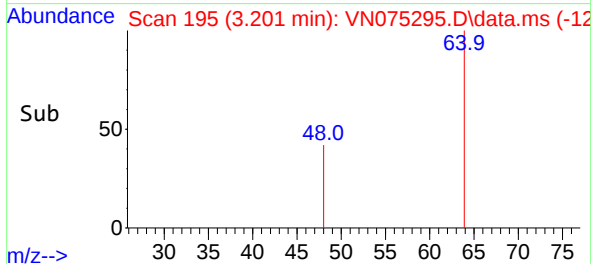
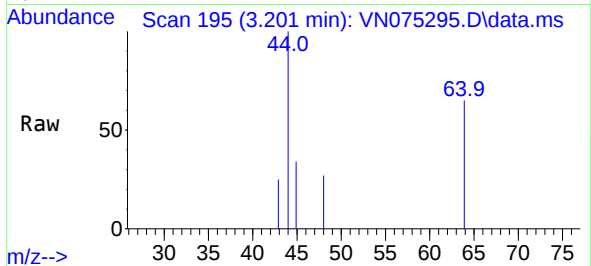




#6
Chloroethane
Concen: 0.263 ug/l
RT: 3.201 min Scan# 195
Delta R.T. 0.106 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

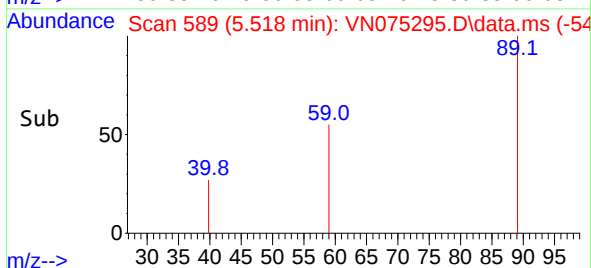
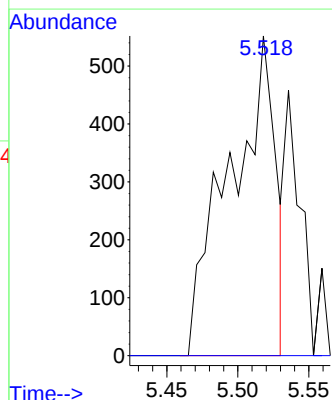
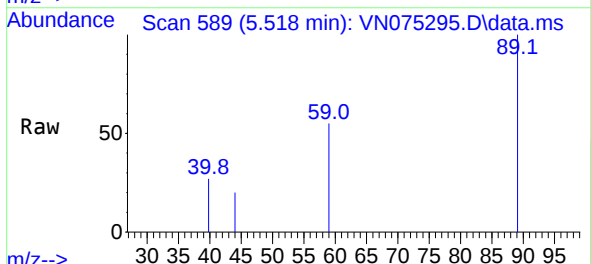
Instrument :
MSVOA_N
ClientSampleId :

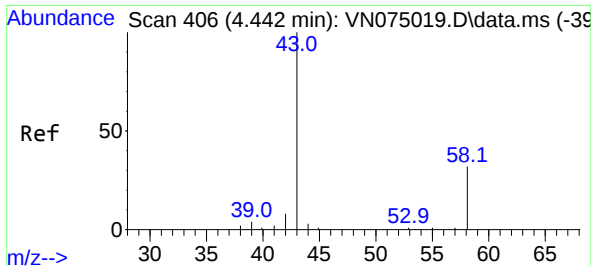
Tgt Ion: 64 Resp: 601
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 2.429 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.024 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

Tgt Ion: 59 Resp: 1232
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

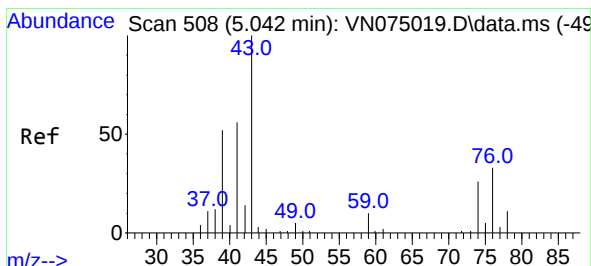
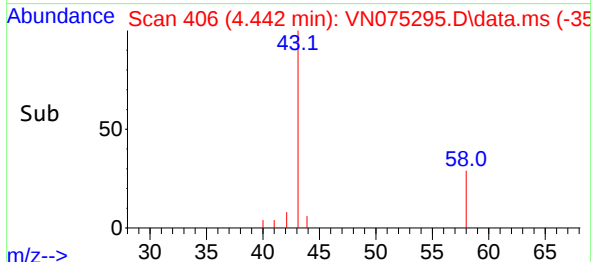
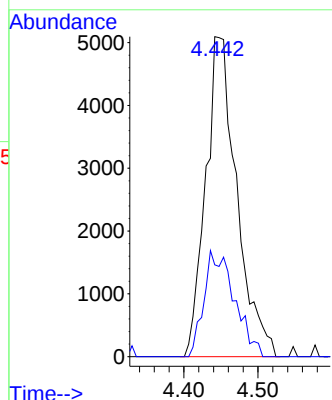
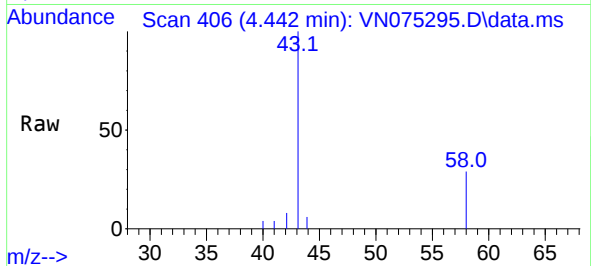




#16
Acetone
Concen: 16.127 ug/l
RT: 4.442 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

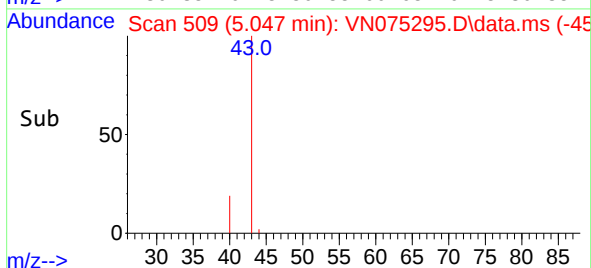
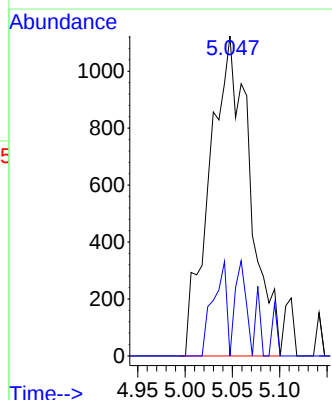
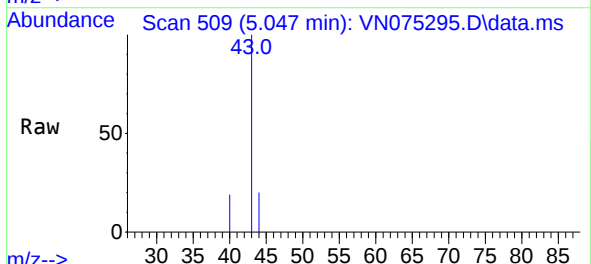
Instrument :
MSVOA_N
ClientSampleId :

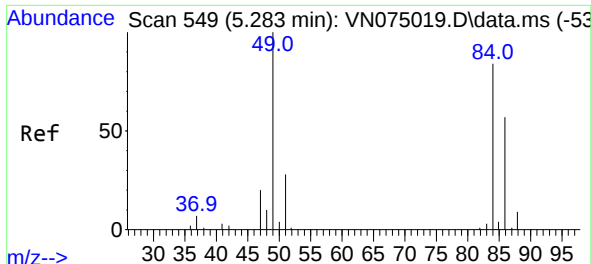
Tgt Ion: 43 Resp: 14850
Ion Ratio Lower Upper
43 100
58 28.7 25.5 38.3



#18
Methyl Acetate
Concen: 1.105 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.005 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

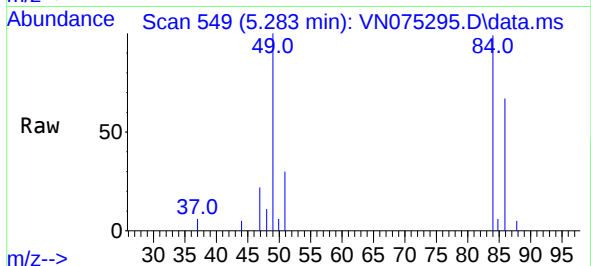
Tgt Ion: 43 Resp: 3324
Ion Ratio Lower Upper
43 100
74 9.9 22.0 33.0#





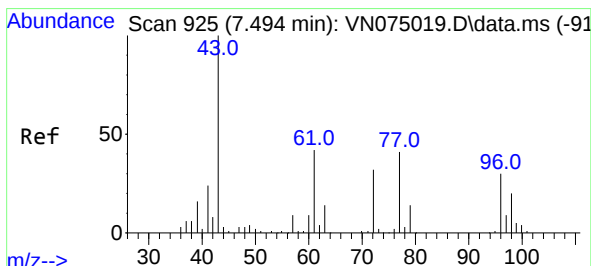
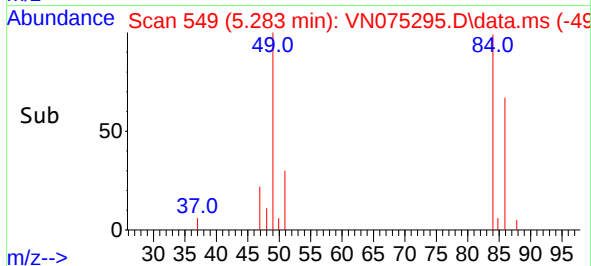
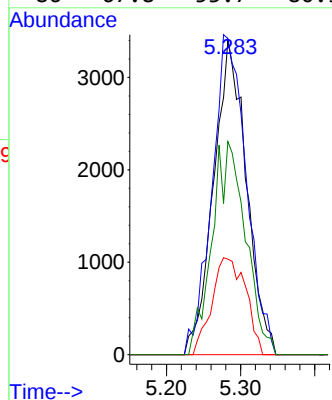
#20
Methylene Chloride
Concen: 5.086 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 10443

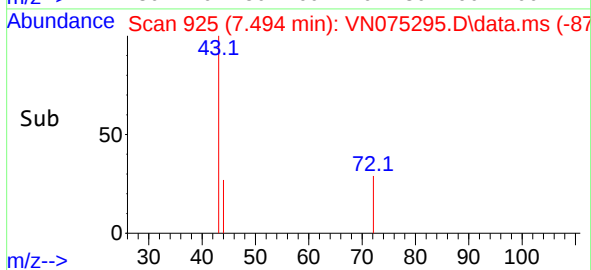
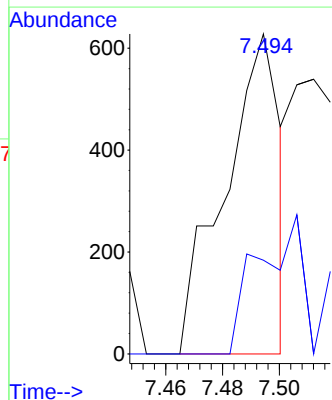
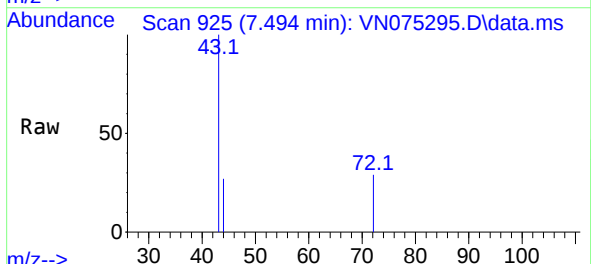
Ion	Ratio	Lower	Upper
84	100		
49	100.6	94.9	142.3
51	30.4	26.8	40.2
86	67.8	53.7	80.5

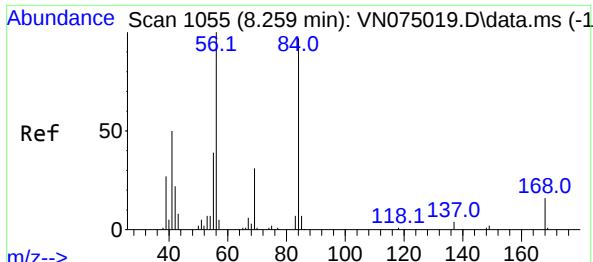


#25
2-Butanone
Concen: 0.588 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.000 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

Tgt Ion: 43 Resp: 852

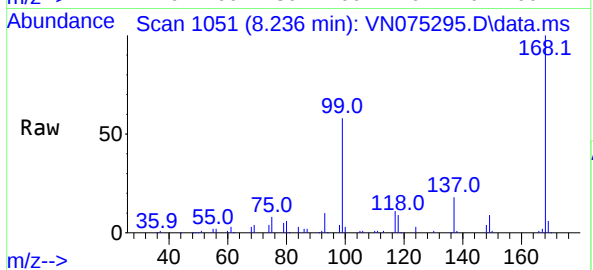
Ion	Ratio	Lower	Upper
43	100		
72	29.3	25.5	38.3



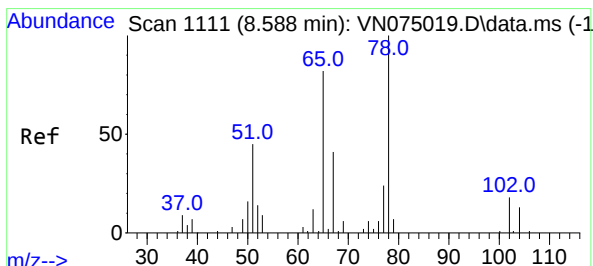
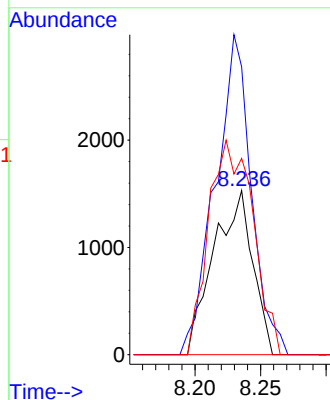
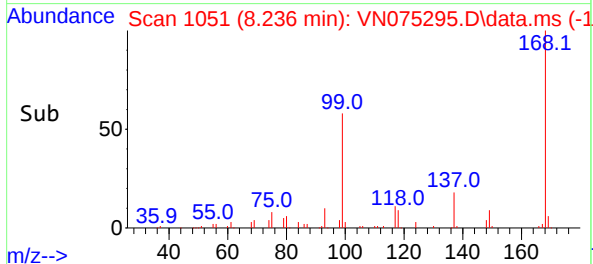


#31
Cyclohexane
Concen: 0.978 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

Instrument :
MSVOA_N
ClientSampleId :

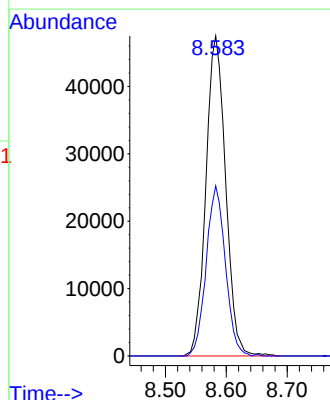
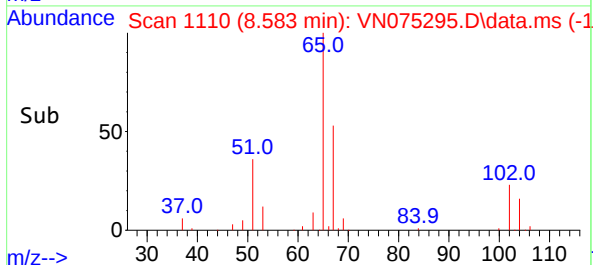
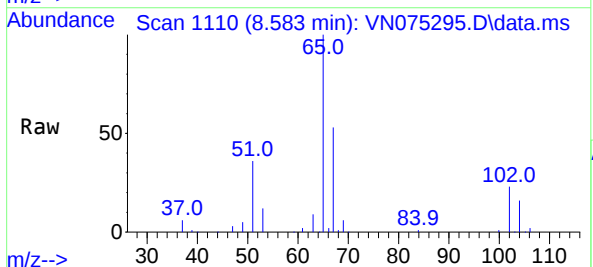


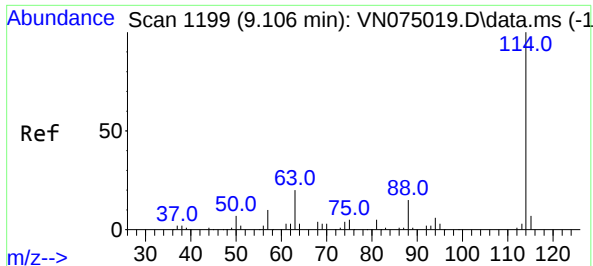
Tgt Ion: 56 Resp: 3163
Ion Ratio Lower Upper
56 100
69 175.3 25.2 37.8#
84 119.6 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 49.170 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

Tgt Ion: 65 Resp: 106931
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.0

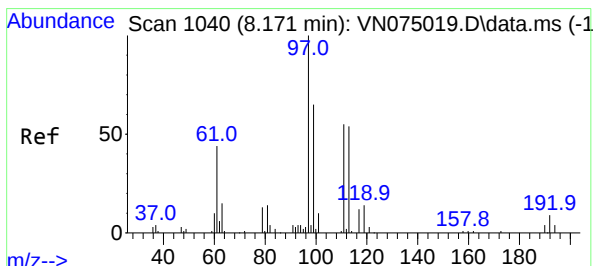
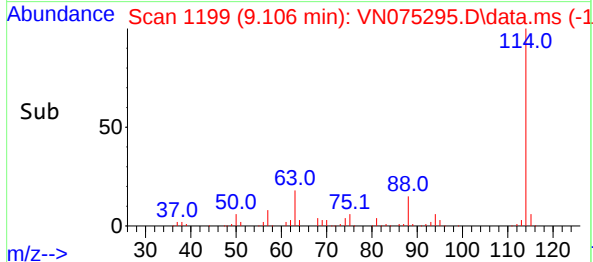
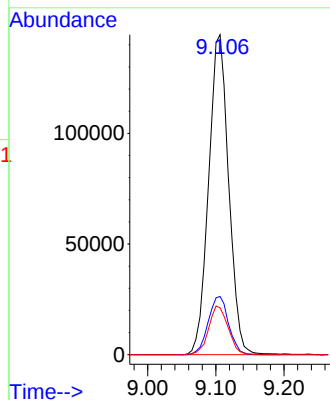
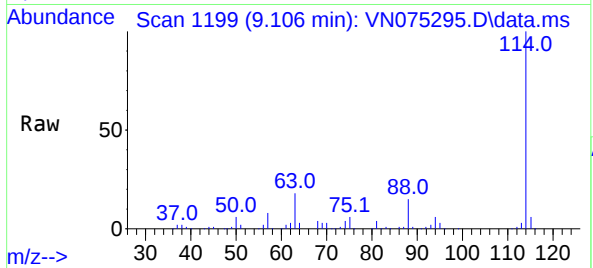




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

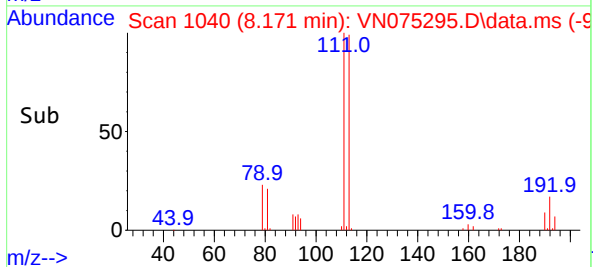
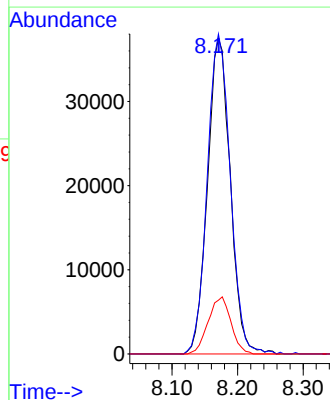
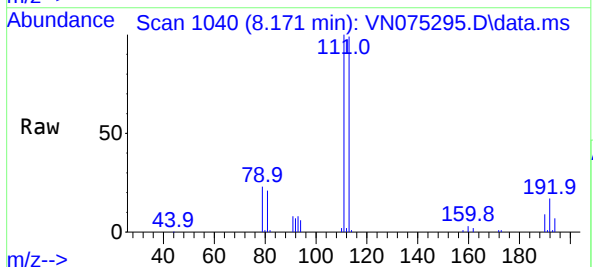
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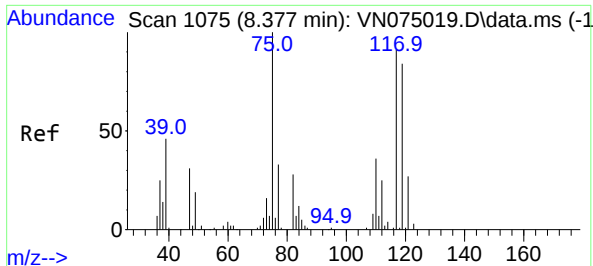
Tgt Ion:114 Resp: 295988
Ion Ratio Lower Upper
114 100
63 18.2 0.0 39.6
88 14.7 0.0 29.0



#35
Dibromofluoromethane
Concen: 52.041 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

Tgt Ion:113 Resp: 90426
Ion Ratio Lower Upper
113 100
111 102.7 80.5 120.7
192 18.0 13.2 19.8

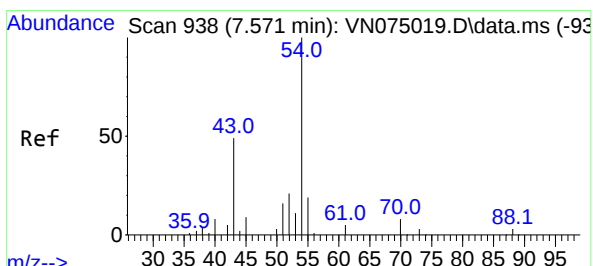
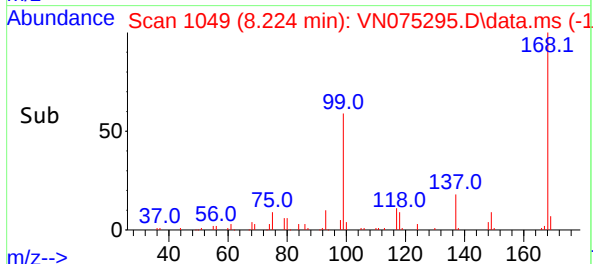
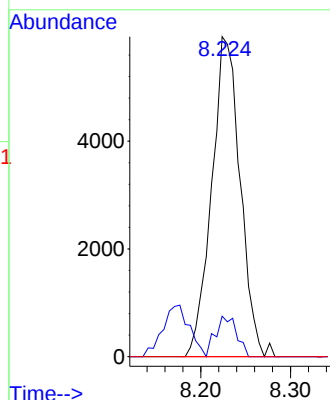
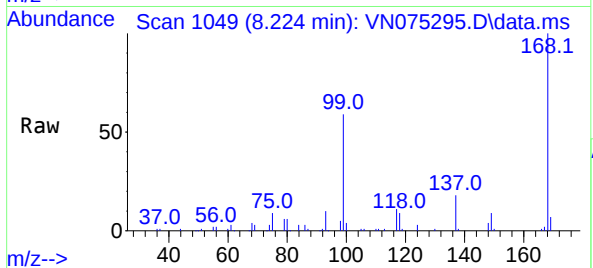




#36
1,1-Dichloropropene
Concen: 4.874 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

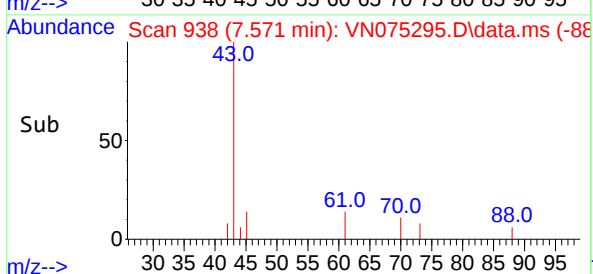
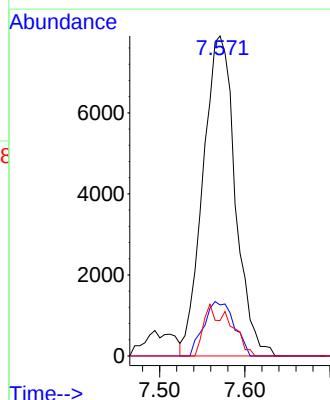
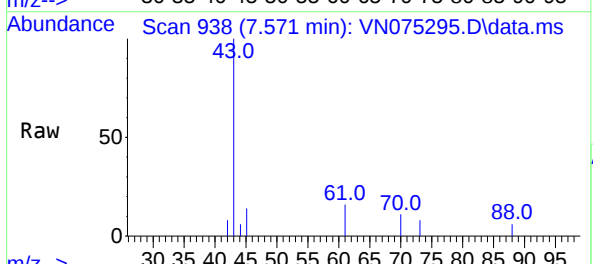
Instrument :
MSVOA_N
ClientSampleId :

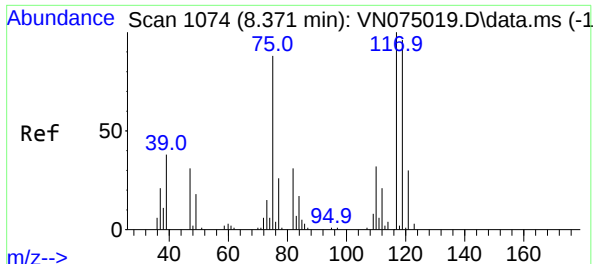
Tgt Ion: 75 Resp: 13111
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 7.038 ug/l
RT: 7.571 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

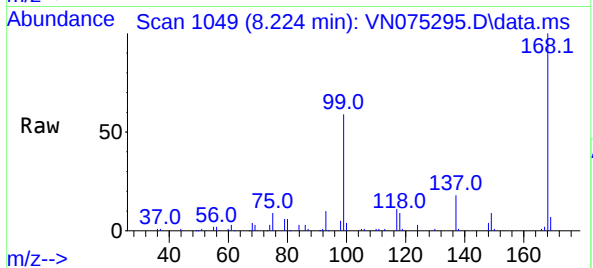
Tgt Ion: 43 Resp: 20763
Ion Ratio Lower Upper
43 100
61 15.9 12.2 18.4
70 13.2 9.4 14.2



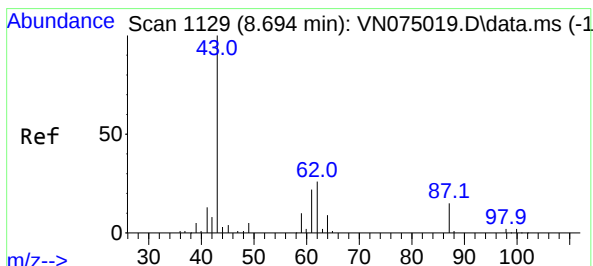
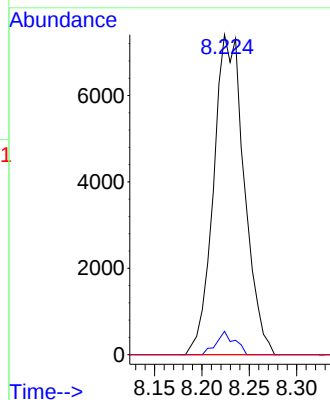
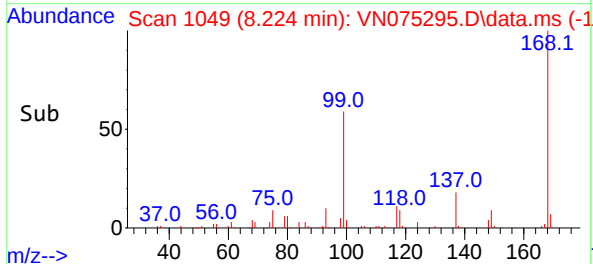


#38
Carbon Tetrachloride
Concen: 5.643 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.147 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

Instrument :
MSVOA_N
ClientSampleId :

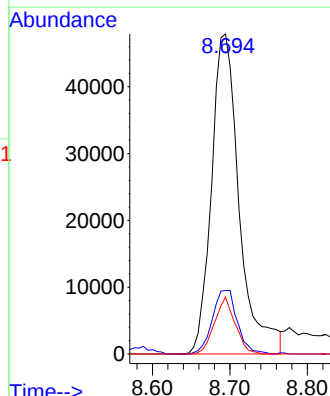
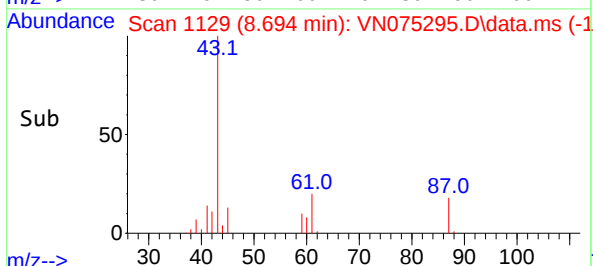
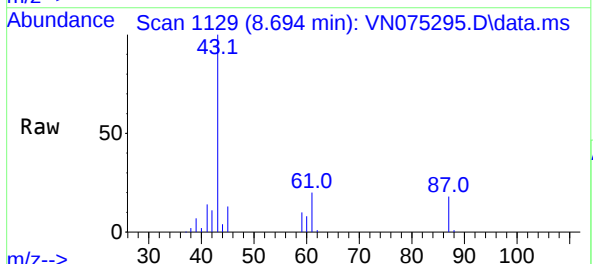


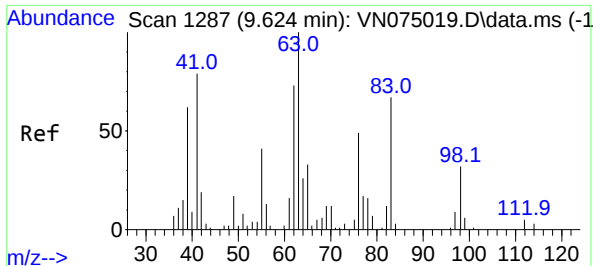
Tgt Ion:117 Resp: 16698
Ion Ratio Lower Upper
117 100
119 7.3 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 26.135 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

Tgt Ion: 43 Resp: 119596
Ion Ratio Lower Upper
43 100
61 17.8 22.4 33.6#
87 13.1 12.5 18.7





#45

1,2-Dichloropropane

Concen: 0.615 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN075295.D

Acq: 16 Nov 2022 18:03

Instrument :

MSVOA_N

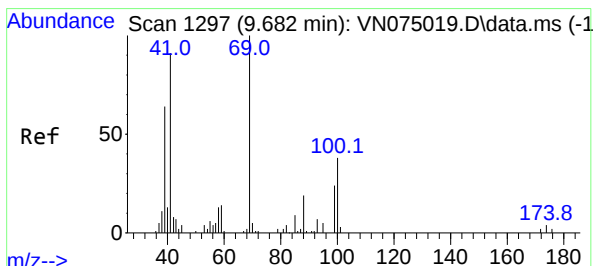
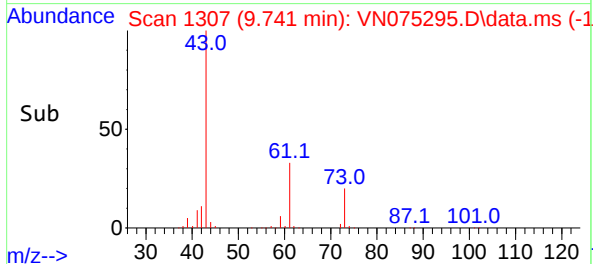
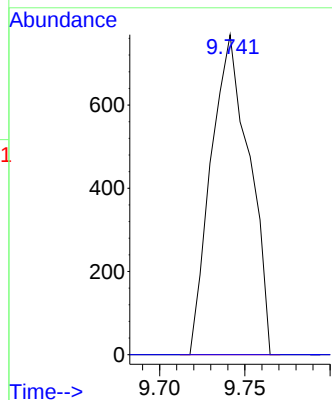
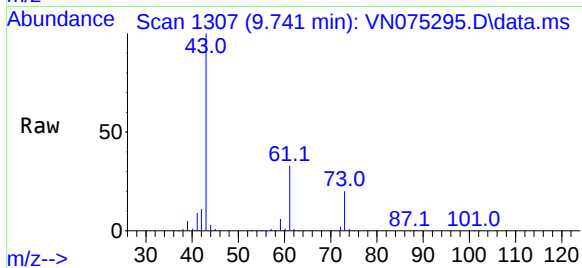
ClientSampleId :

Tgt Ion: 63 Resp: 1205

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.462 ug/l

RT: 9.677 min Scan# 1296

Delta R.T. -0.005 min

Lab File: VN075295.D

Acq: 16 Nov 2022 18:03

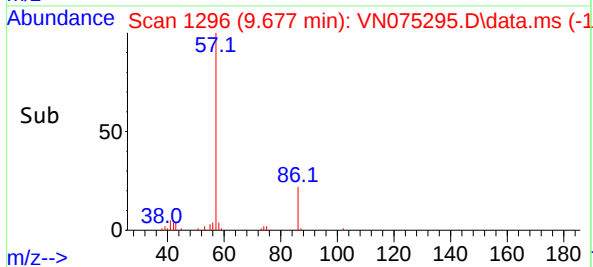
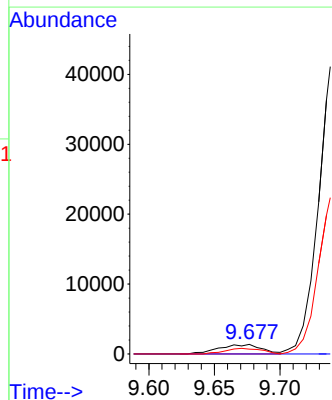
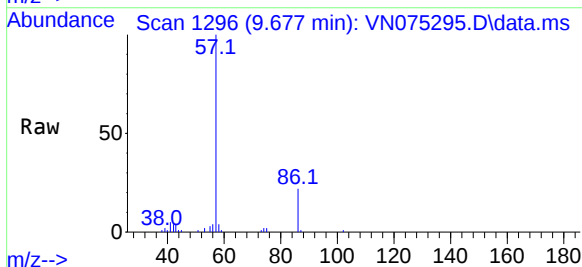
Tgt Ion: 41 Resp: 3069

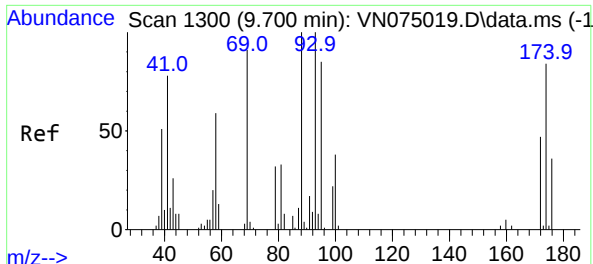
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

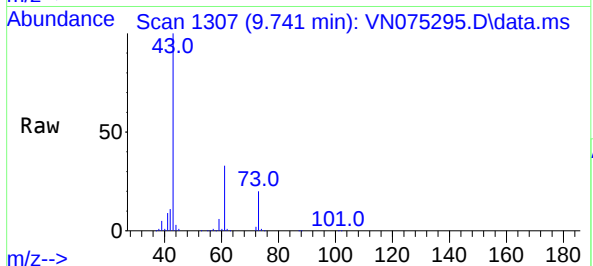
39 50.2 56.2 84.2#



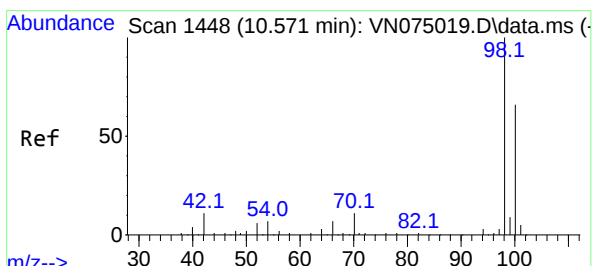
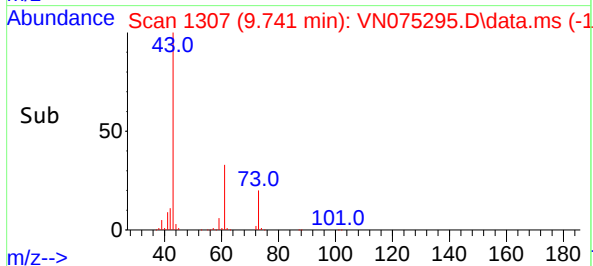
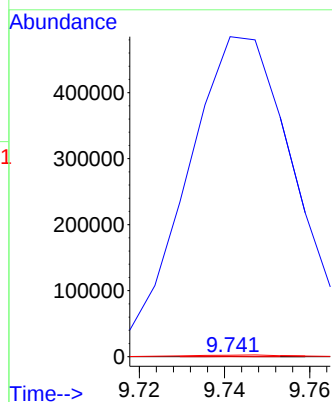


#49
1,4-Dioxane
Concen: 1.037 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

Instrument :
MSVOA_N
ClientSampleId :

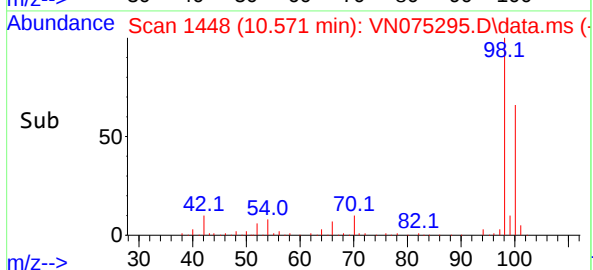
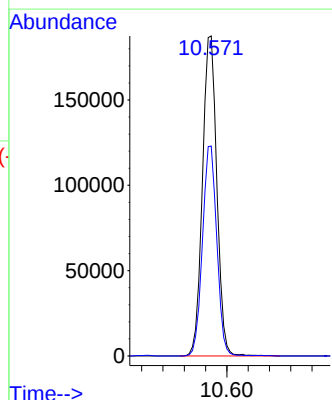
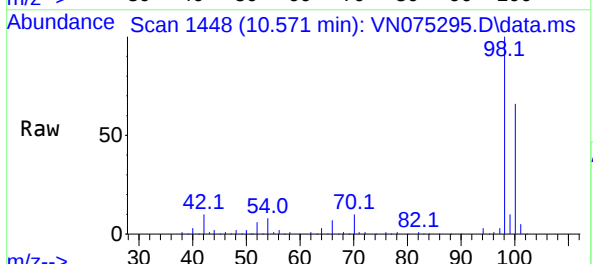


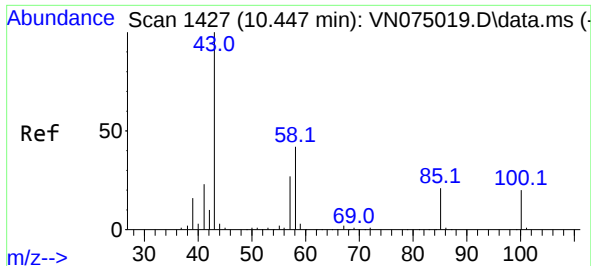
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 1551415.8 17.5 26.3#
58 7710.5 49.8 74.8#



#50
Toluene-d8
Concen: 52.129 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

Tgt Ion: 98 Resp: 351424
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.6

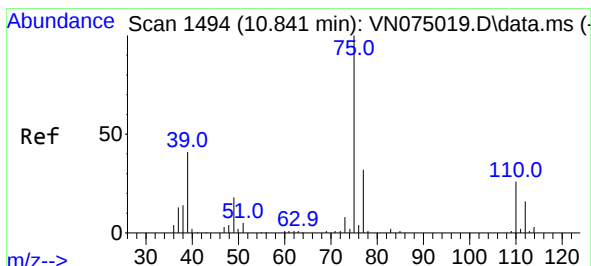
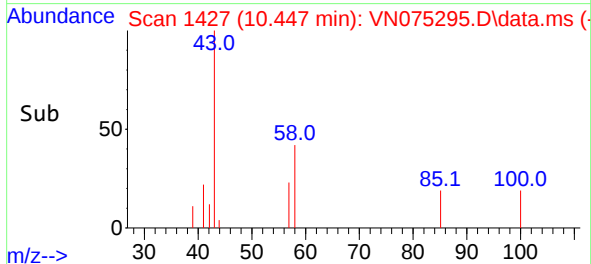
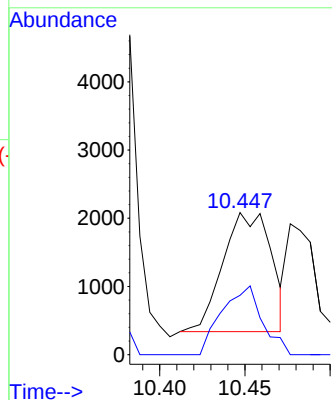
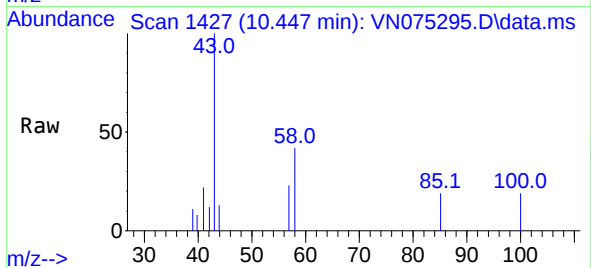




#51
4-Methyl-2-Pentanone
Concen: 1.163 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

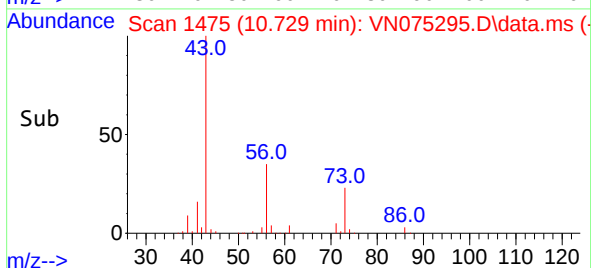
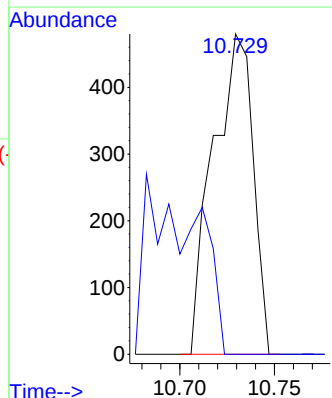
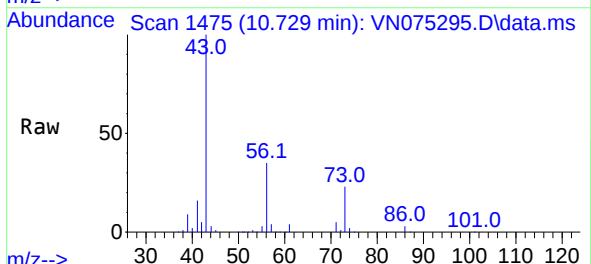
Instrument :
MSVOA_N
ClientSampleId :

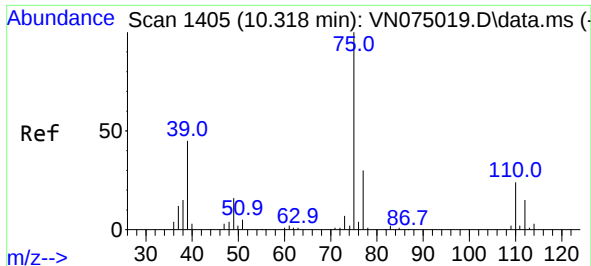
Tgt Ion: 43 Resp: 3434
Ion Ratio Lower Upper
43 100
58 48.3 33.6 50.4



#53
t-1,3-Dichloropropene
Concen: 0.225 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.112 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

Tgt Ion: 75 Resp: 703
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

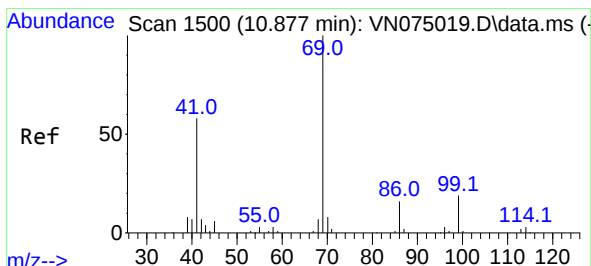
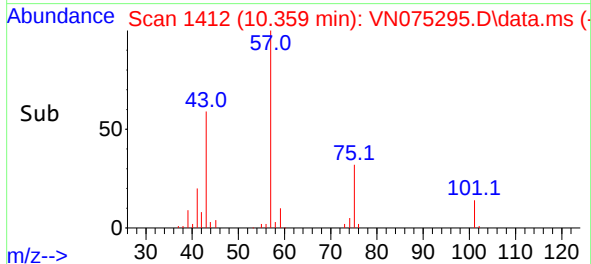
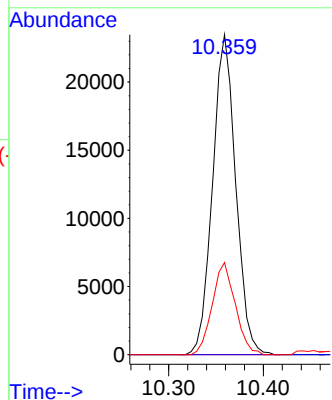
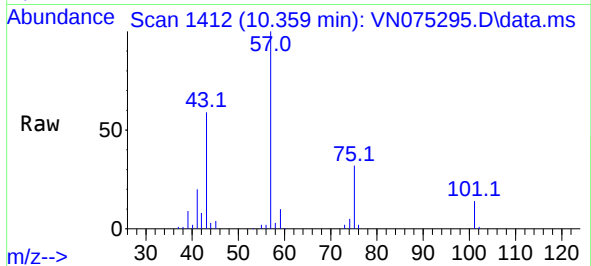




#54
 cis-1,3-Dichloropropene
 Concen: 12.041 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.041 min
 Lab File: VN075295.D
 Acq: 16 Nov 2022 18:03

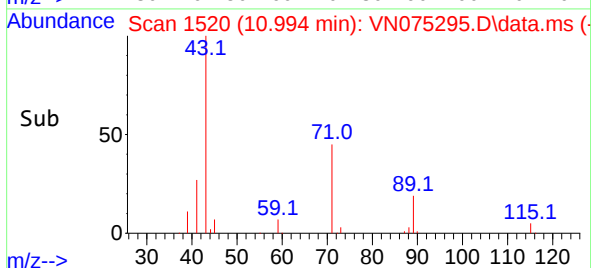
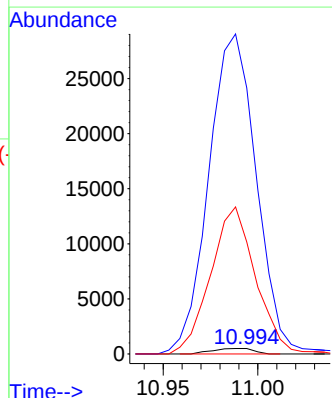
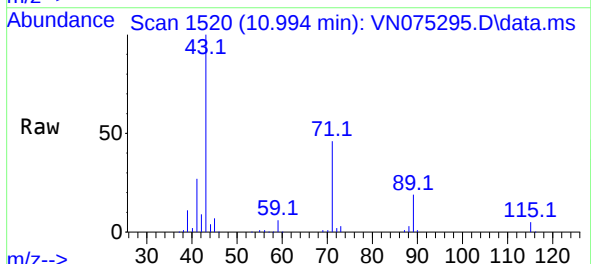
Instrument :
 MSVOA_N
 ClientSampleId :

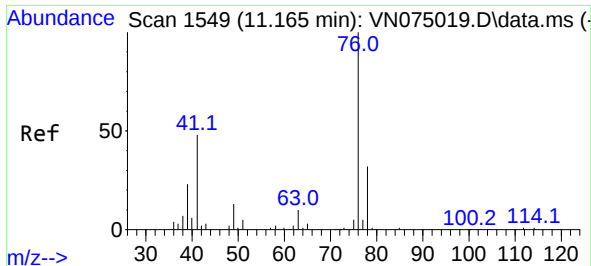
Tgt Ion: 75 Resp: 39865
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 28.8 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.226 ug/l
 RT: 10.994 min Scan# 1520
 Delta R.T. 0.117 min
 Lab File: VN075295.D
 Acq: 16 Nov 2022 18:03

Tgt Ion: 69 Resp: 752
 Ion Ratio Lower Upper
 69 100
 41 6790.2 45.6 68.4#
 39 2944.0 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.552 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075295.D

Acq: 16 Nov 2022 18:03

Instrument :

MSVOA_N

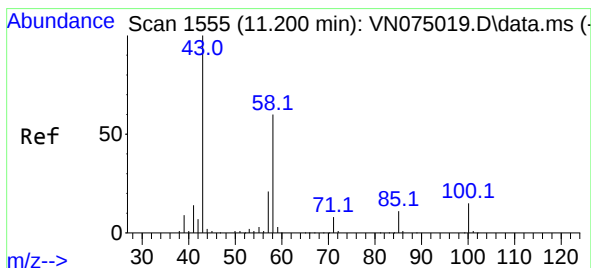
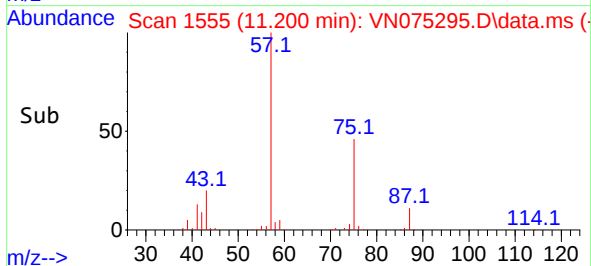
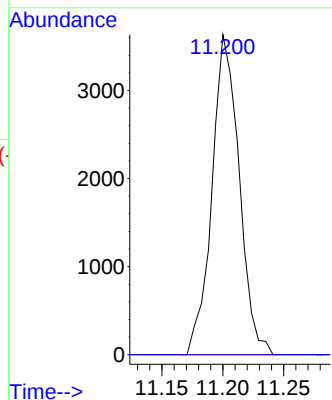
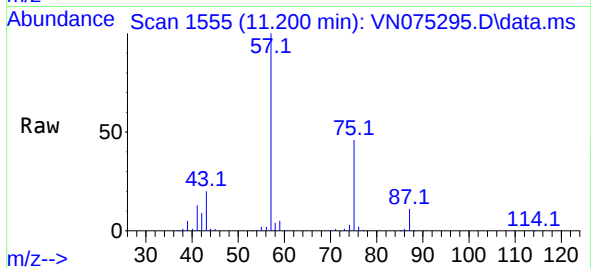
ClientSampleId :

Tgt Ion: 76 Resp: 5644

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 25.978 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VN075295.D

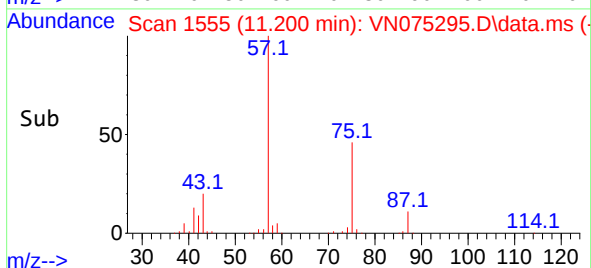
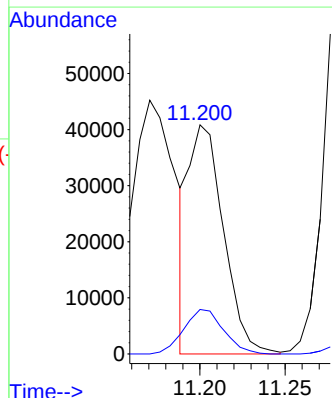
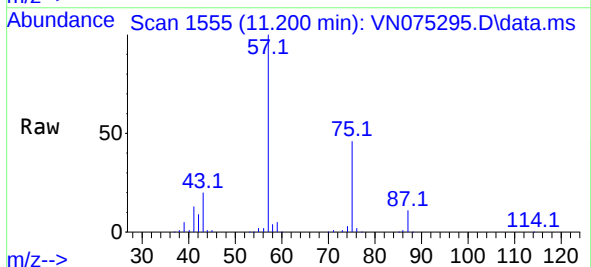
Acq: 16 Nov 2022 18:03

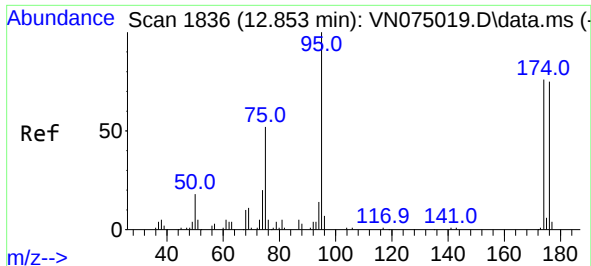
Tgt Ion: 43 Resp: 58222

Ion Ratio Lower Upper

43 100

58 22.2 29.6 88.8#

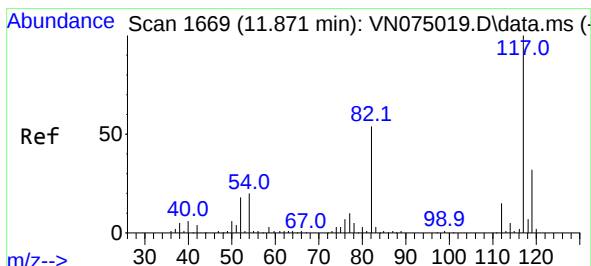
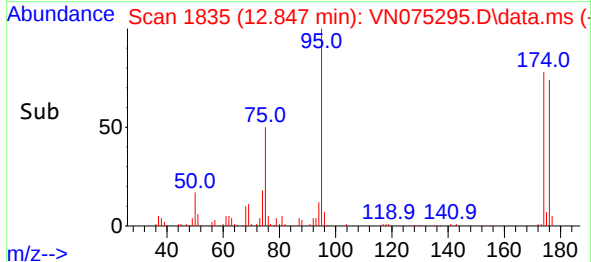
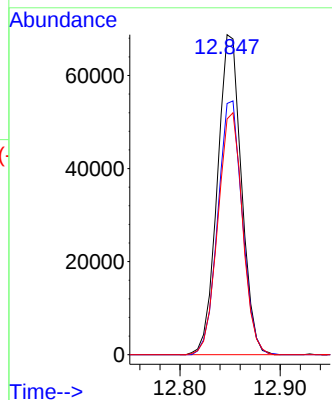
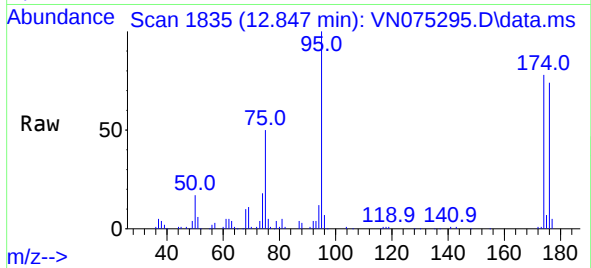




#62
4-Bromofluorobenzene
Concen: 48.358 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

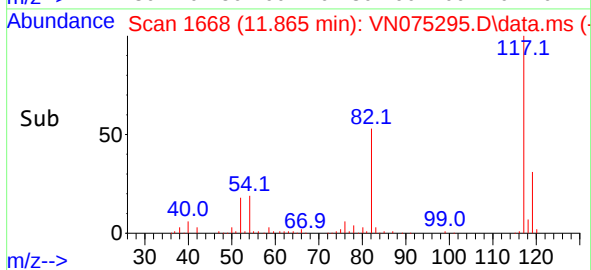
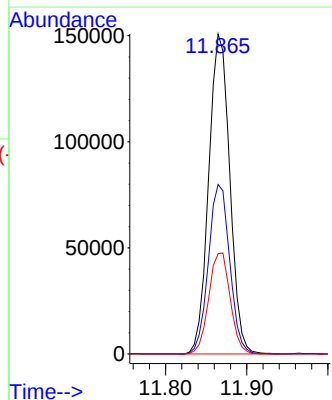
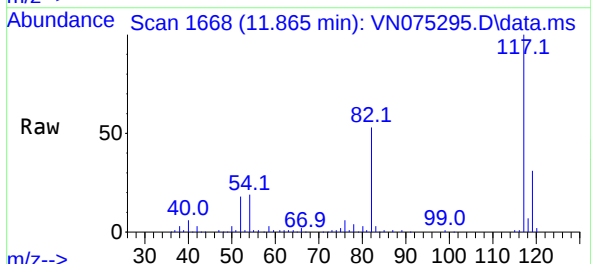
Instrument :
MSVOA_N
ClientSampleId :

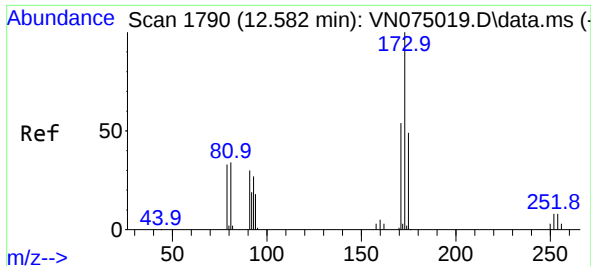
Tgt Ion: 95 Resp: 114517
Ion Ratio Lower Upper
95 100
174 80.5 0.0 147.4
176 77.4 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

Tgt Ion: 117 Resp: 271821
Ion Ratio Lower Upper
117 100
82 53.0 43.1 64.7
119 31.4 25.5 38.3

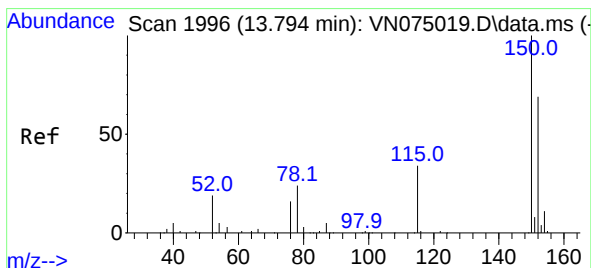
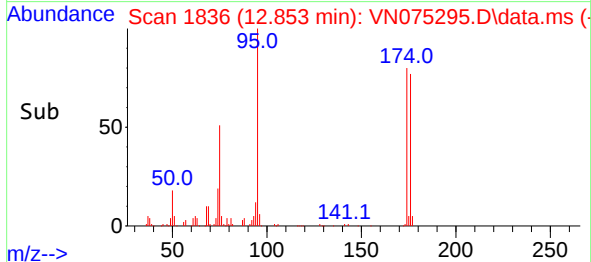
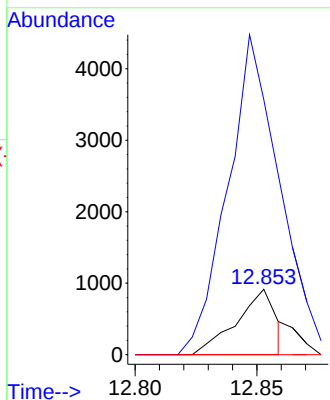
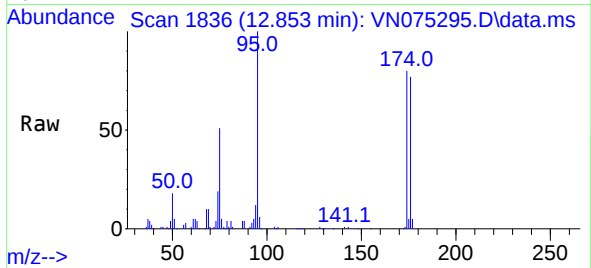




#71
Bromoform
Concen: 0.641 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

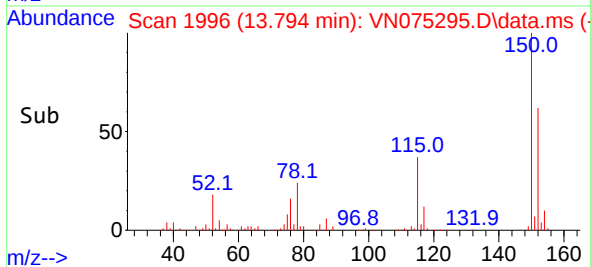
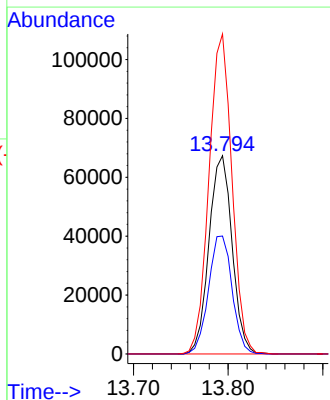
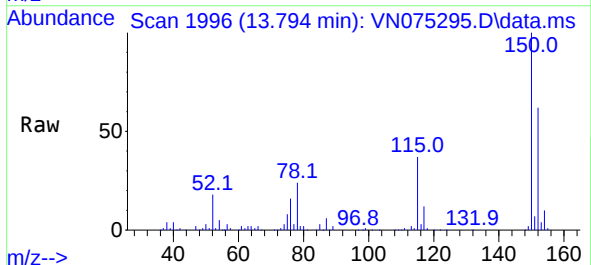
Instrument :
MSVOA_N
ClientSampleId :

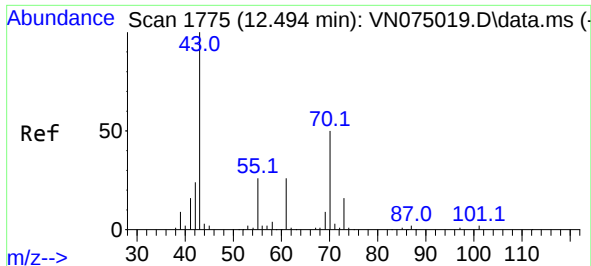
Tgt Ion:173 Resp: 1033
Ion Ratio Lower Upper
173 100
175 557.7 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

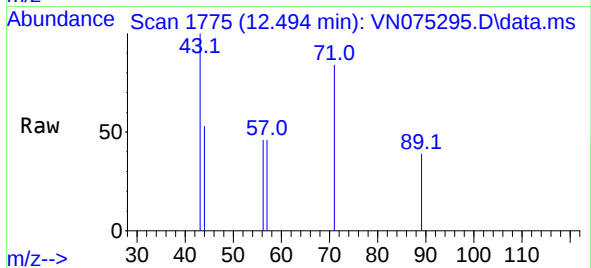
Tgt Ion:152 Resp: 114436
Ion Ratio Lower Upper
152 100
115 60.6 30.2 90.6
150 159.9 0.0 348.4



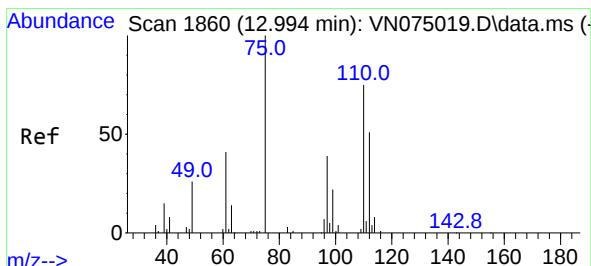
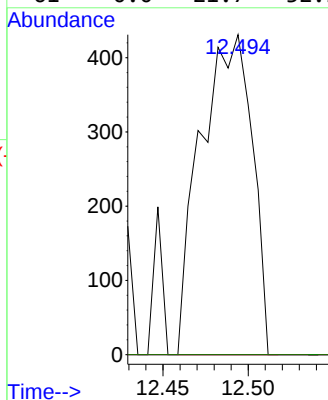
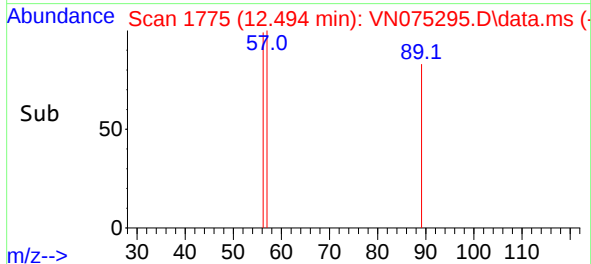


#74
N-amy1 acetate
Concen: 0.268 ug/l
RT: 12.494 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

Instrument :
MSVOA_N
ClientSampleId :

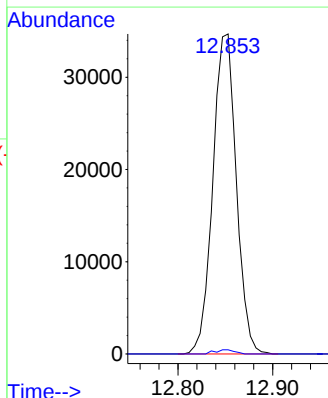
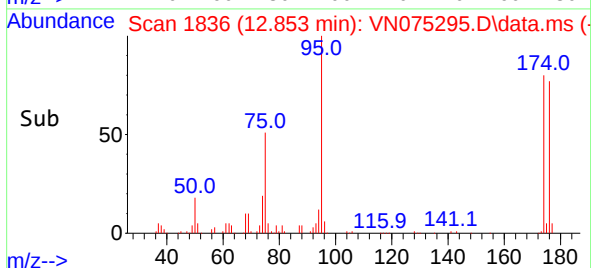
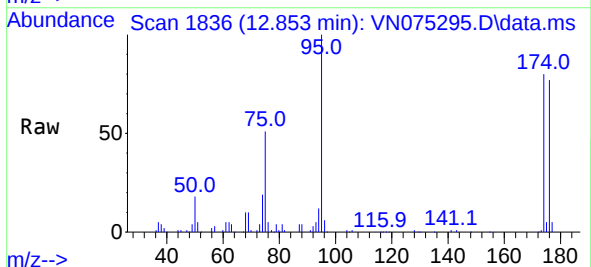


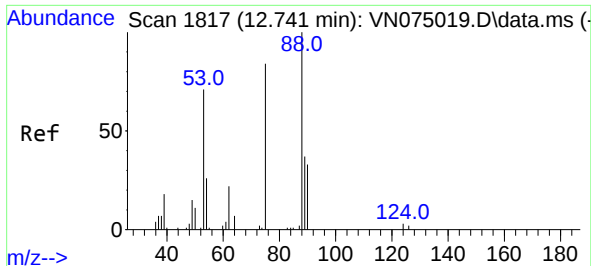
Tgt Ion: 43	Resp: 910
Ion Ratio	Lower Upper
43 100	
70 0.0	39.8 59.8#
55 0.0	19.9 29.9#
61 0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 24.590 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

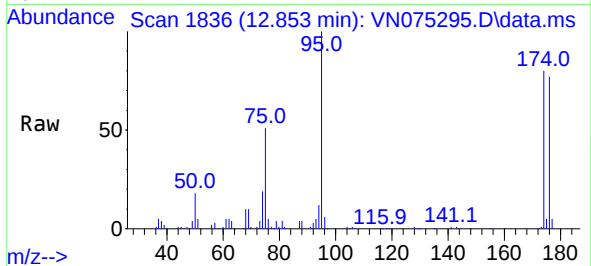
Tgt Ion: 75	Resp: 59748
Ion Ratio	Lower Upper
75 100	
77 1.1	75.6 226.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 63.122 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN075295.D
Acq: 16 Nov 2022 18:03

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 59748
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

