

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074687.D
 Acq On : 01 Oct 2022 03:59
 Operator : JC\MD
 Sample : N4944-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 03 02:11:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

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

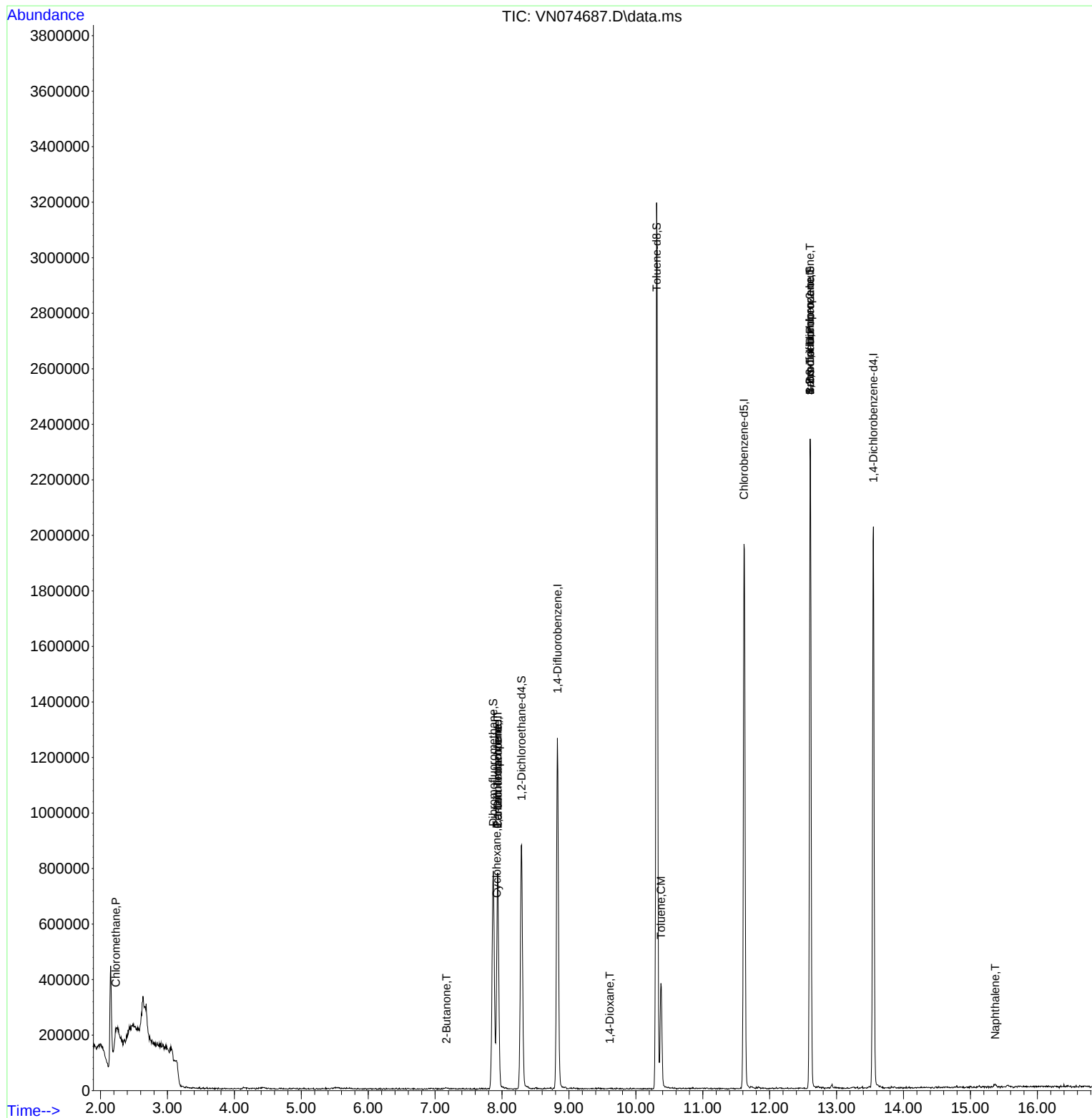
Internal Standards						
1) Pentafluorobenzene	7.934	168	541907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	1029976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	1058716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	484187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.292	65	657446	48.408	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.820%
35) Dibromofluoromethane	7.869	113	537072	49.264	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.520%
50) Toluene-d8	10.310	98	2052468	44.759	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.520%
62) 4-Bromofluorobenzene	12.604	95	686286	47.198	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.228	50	6466	0.390	ug/l	98
8) Diethyl Ether	3.675	74	231	Below Cal	#	7
13) Acrolein	3.893	56	205	Below Cal	#	1
16) Acetone	4.128	43	2826	Below Cal	#	77
20) Methylene Chloride	4.904	84	553	Below Cal	#	48
25) 2-Butanone	7.169	43	3598	0.288	ug/l	93
31) Cyclohexane	7.922	56	18354	0.832	ug/l	# 65
36) 1,1-Dichloropropene	7.934	75	51816	2.968	ug/l	# 49
38) Carbon Tetrachloride	7.934	117	55354	3.461	ug/l	# 18
49) 1,4-Dioxane	9.610	88	93	0.286	ug/l	# 1
52) Toluene	10.375	92	157062	4.834	ug/l	96
71) Bromoform	12.604	173	5052	0.557	ug/l	# 28
74) N-amyl acetate	12.269	43	1339	Below Cal	#	56
75) 1,1,2,2-Tetrachloroethane	12.698	83	431	Below Cal	#	57
76) 1,2,3-Trichloropropane	12.604	75	422342	38.465	ug/l	# 1
77) Bromobenzene	12.716	156	222	Below Cal	#	6
81) trans-1,4-Dichloro-2-b...	12.604	75	422342	72.893	ug/l	# 10
95) Naphthalene	15.368	128	8762	0.272	ug/l	# 79

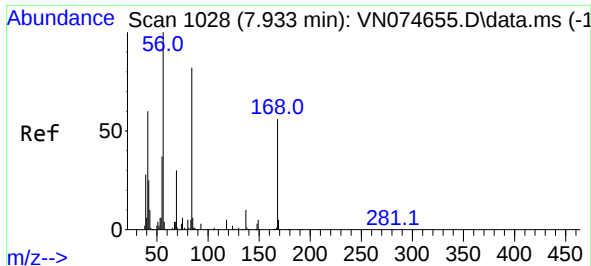
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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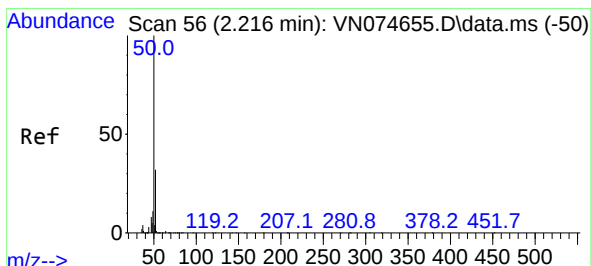
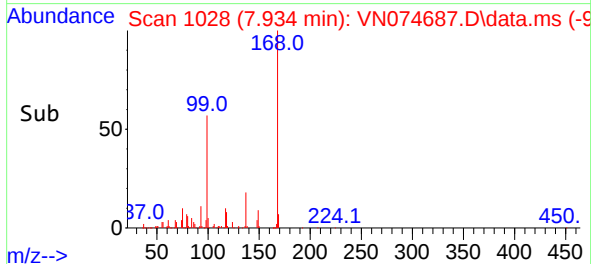
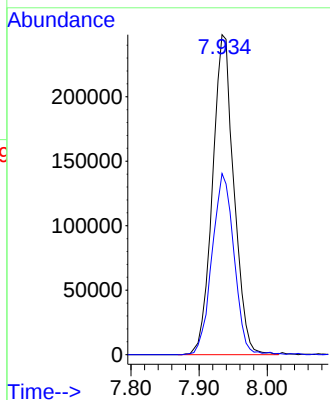
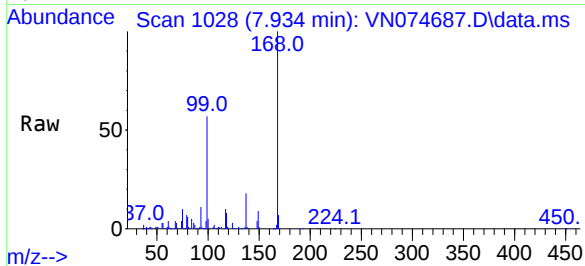




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.934 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

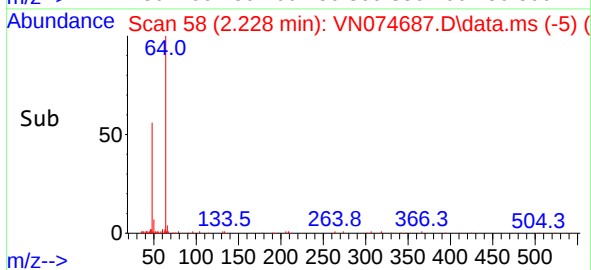
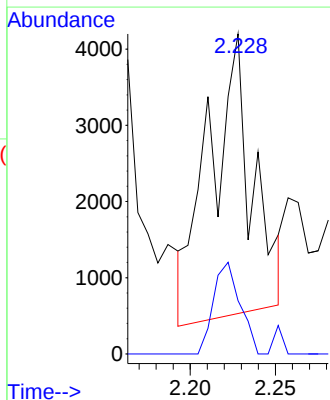
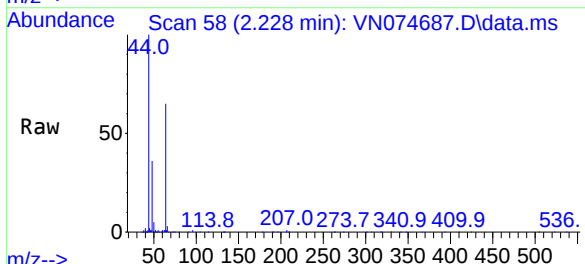
Instrument :
MSVOA_N
ClientSampleId :

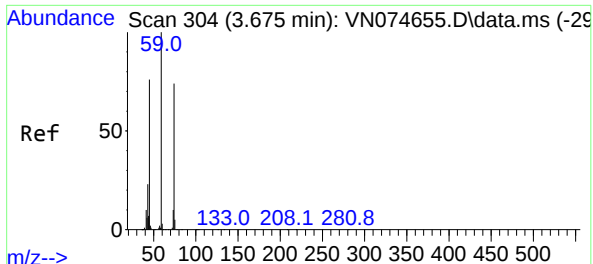
Tgt Ion:168 Resp: 541907
Ion Ratio Lower Upper
168 100
99 56.6 42.3 63.5



#3
Chloromethane
Concen: 0.390 ug/l
RT: 2.228 min Scan# 58
Delta R.T. 0.012 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

Tgt Ion: 50 Resp: 6466
Ion Ratio Lower Upper
50 100
52 33.3 25.7 38.5

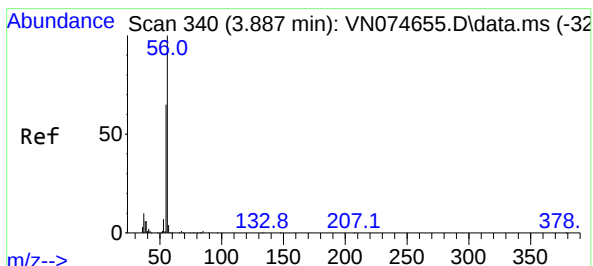
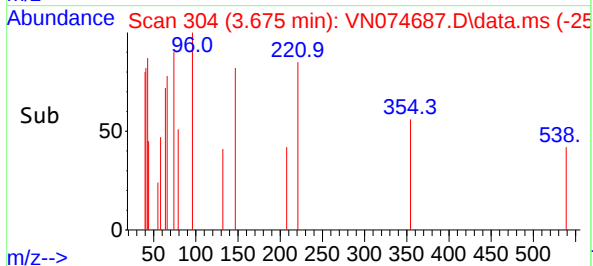
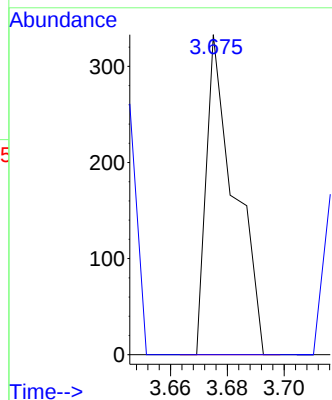
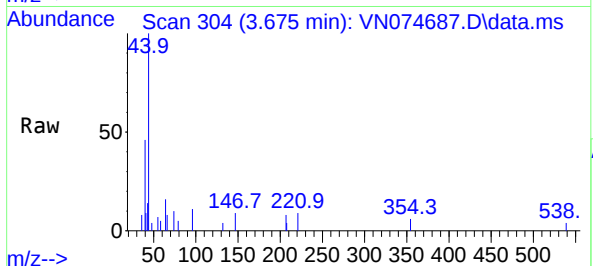




#8
Diethyl Ether
Concen: Below Cal
RT: 3.675 min Scan# 304
Delta R.T. 0.000 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

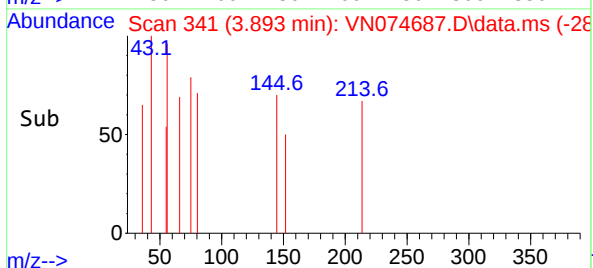
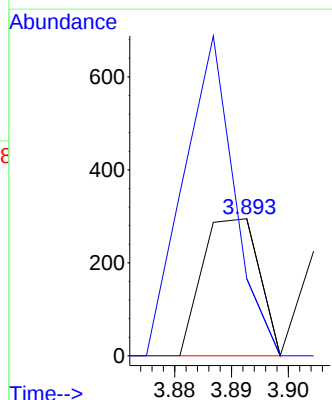
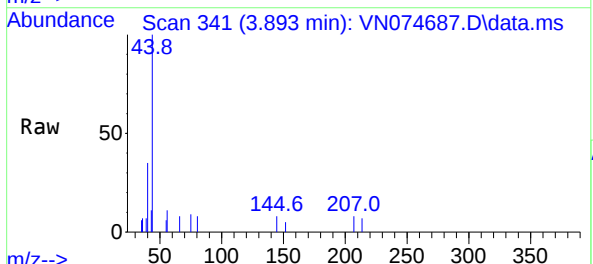
Instrument :
MSVOA_N
ClientSampleId :

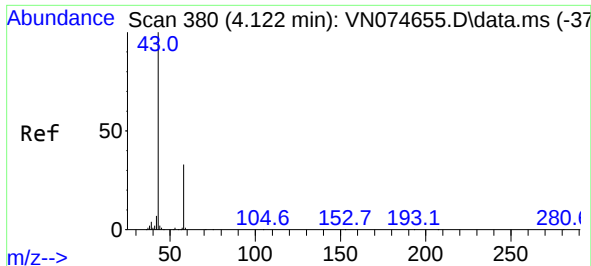
Tgt Ion: 74 Resp: 231
Ion Ratio Lower Upper
74 100
45 0.0 42.9 128.5#



#13
Acrolein
Concen: Below Cal
RT: 3.893 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

Tgt Ion: 56 Resp: 205
Ion Ratio Lower Upper
56 100
55 207.3 54.8 82.2#

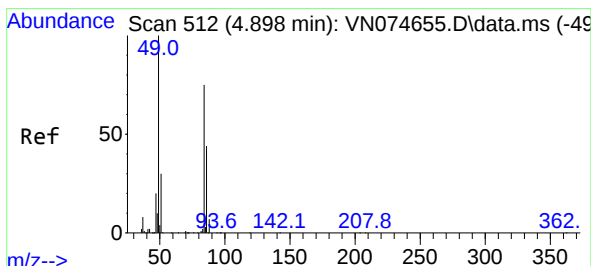
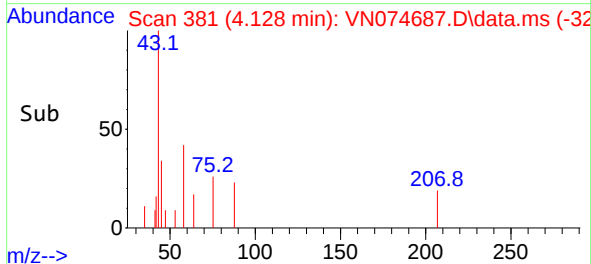
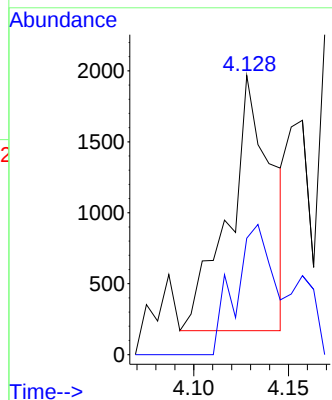
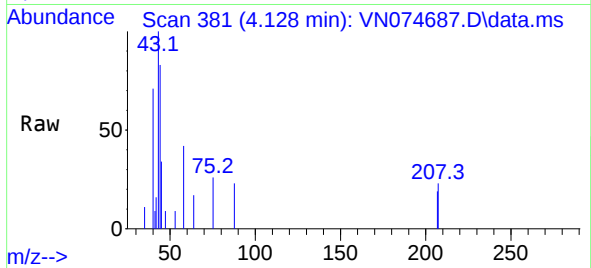




#16
Acetone
Concen: Below Cal
RT: 4.128 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

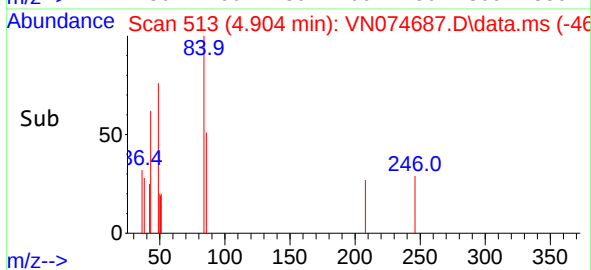
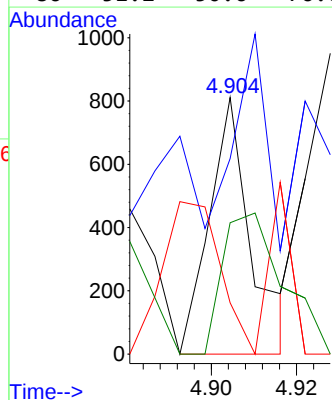
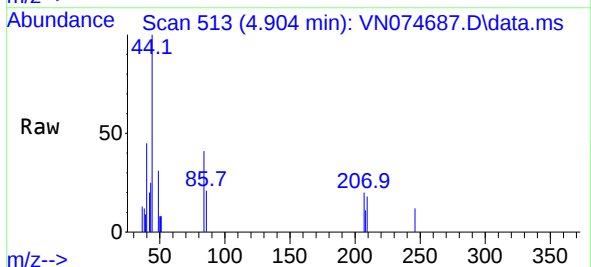
Instrument :
MSVOA_N
ClientSampleId :

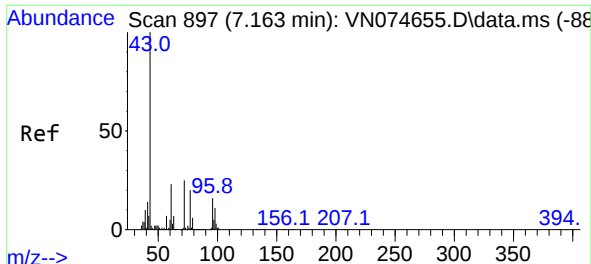
Tgt Ion: 43 Resp: 2826
Ion Ratio Lower Upper
43 100
58 45.7 26.0 39.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.904 min Scan# 513
Delta R.T. 0.006 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

Tgt Ion: 84 Resp: 553
Ion Ratio Lower Upper
84 100
49 36.0 88.3 132.5#
51 0.0 28.2 42.2#
86 51.2 50.6 76.0





#25

2-Butanone

Concen: 0.288 ug/l

RT: 7.169 min Scan# 89

Delta R.T. 0.006 min

Lab File: VN074687.D

Acq: 01 Oct 2022 03:59

Instrument :

MSVOA_N

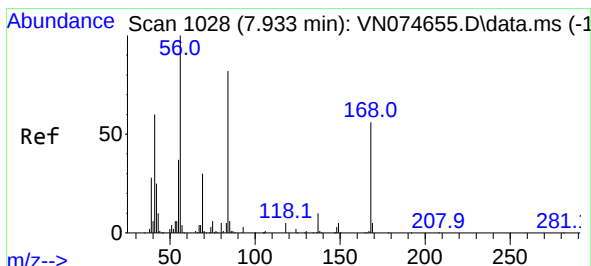
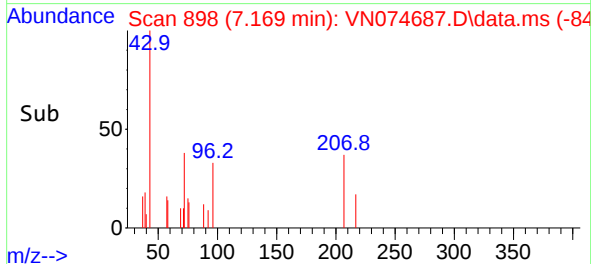
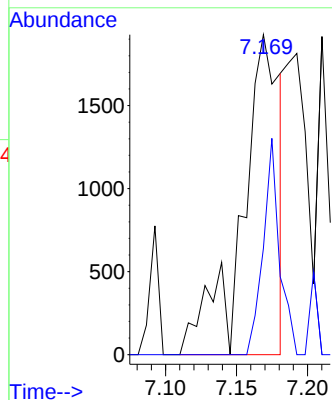
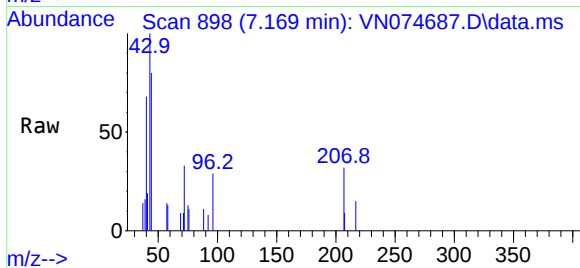
ClientSampleId :

Tgt Ion: 43 Resp: 3598

Ion Ratio Lower Upper

43 100

72 33.2 23.7 35.5



#31

Cyclohexane

Concen: 0.832 ug/l

RT: 7.922 min Scan# 1026

Delta R.T. -0.011 min

Lab File: VN074687.D

Acq: 01 Oct 2022 03:59

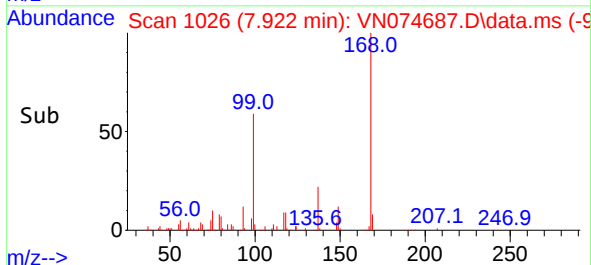
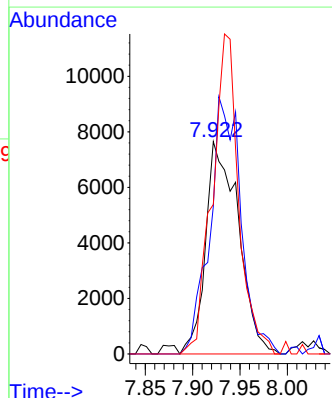
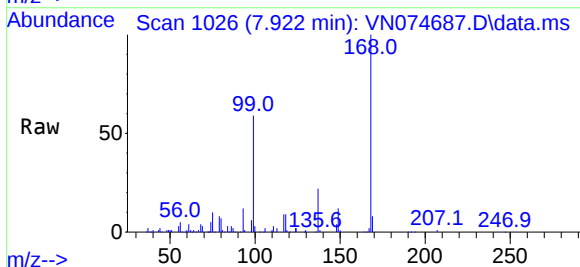
Tgt Ion: 56 Resp: 18354

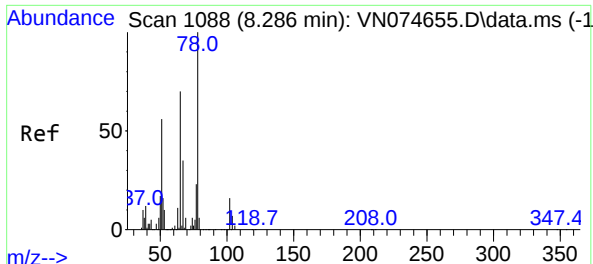
Ion Ratio Lower Upper

56 100

69 69.5 27.8 41.8#

84 70.4 76.9 115.3#

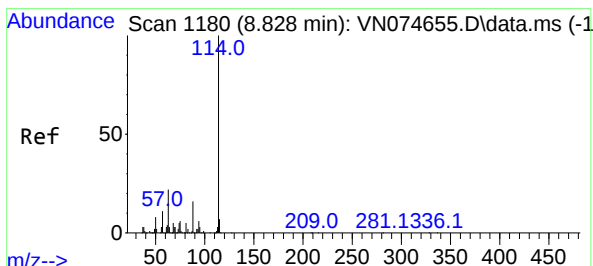
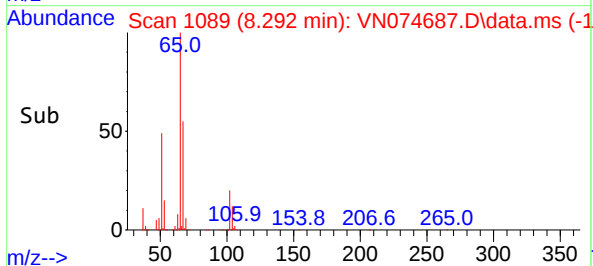
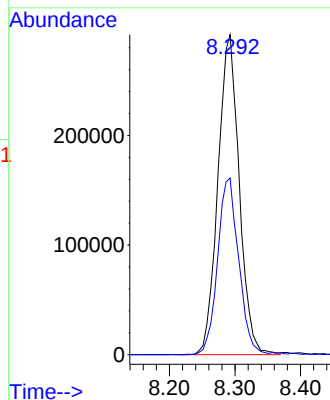
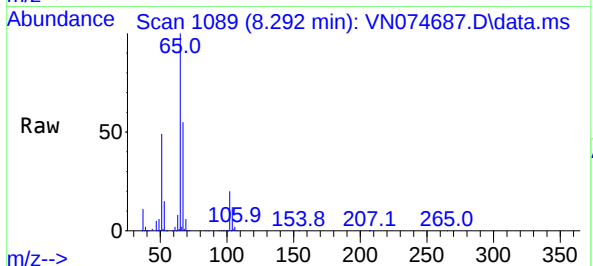




#33
1,2-Dichloroethane-d4
Concen: 48.408 ug/l
RT: 8.292 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

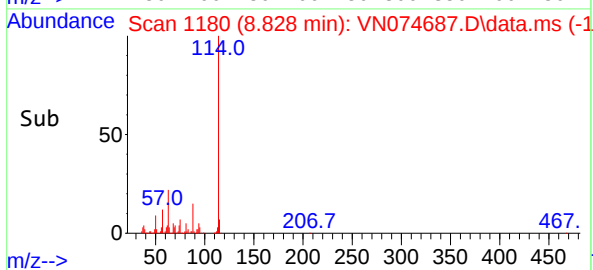
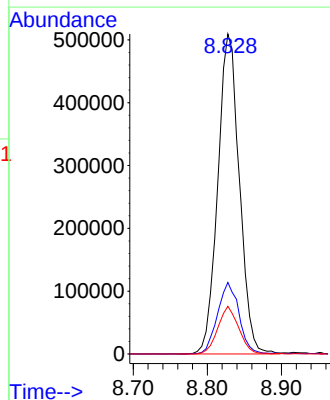
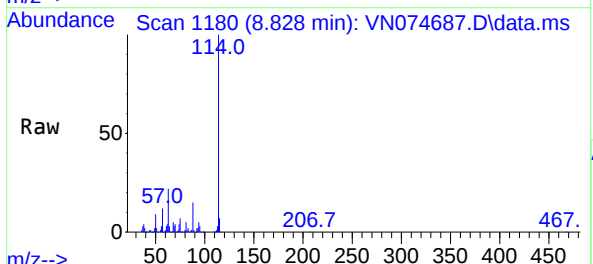
Instrument :
MSVOA_N
ClientSampleId :

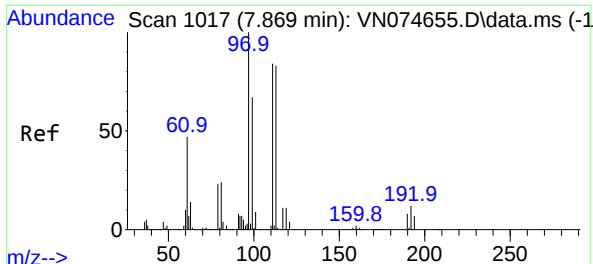
Tgt Ion: 65 Resp: 657446
Ion Ratio Lower Upper
65 100
67 54.6 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

Tgt Ion:114 Resp: 1029976
Ion Ratio Lower Upper
114 100
63 22.3 0.0 40.0
88 14.9 0.0 32.6

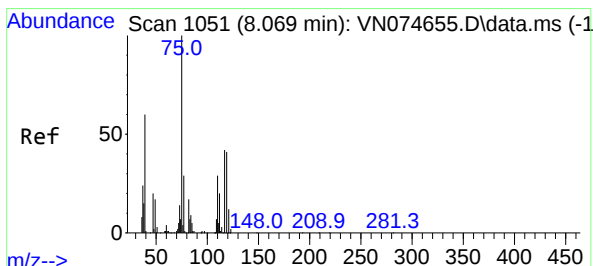
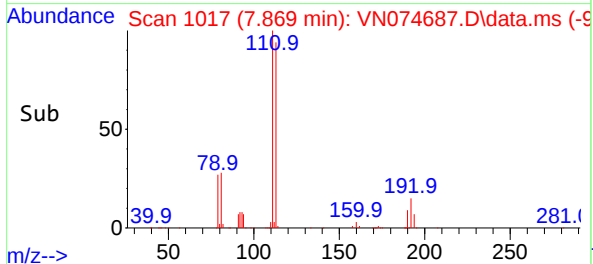
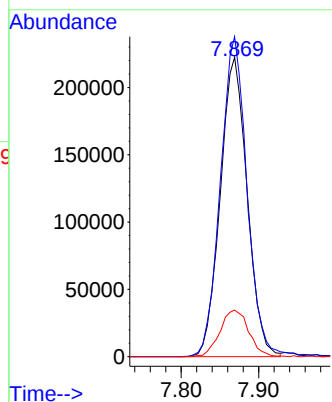
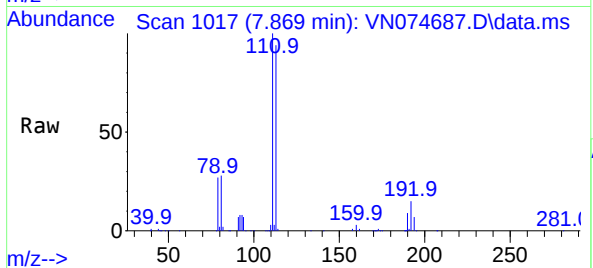




#35
Dibromofluoromethane
Concen: 49.264 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

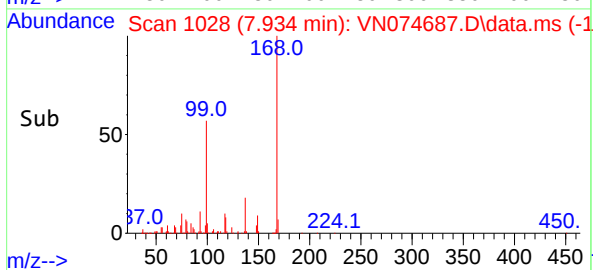
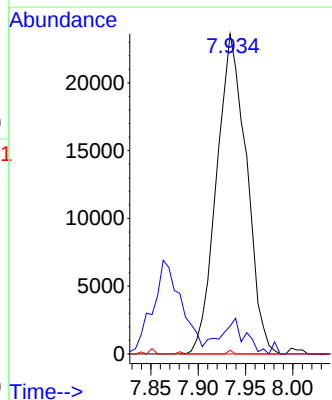
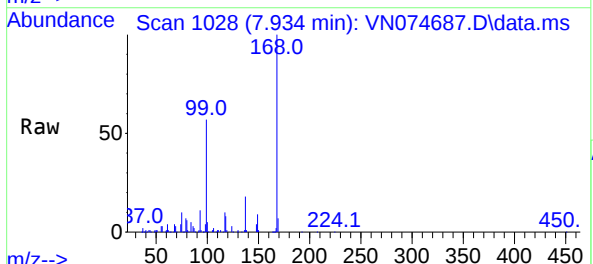
Instrument :
MSVOA_N
ClientSampleId :

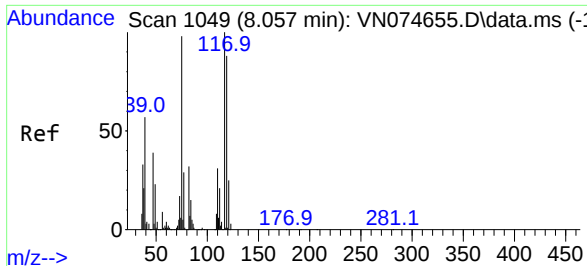
Tgt Ion:113 Resp: 537072
Ion Ratio Lower Upper
113 100
111 106.4 81.4 122.0
192 16.7 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 2.968 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.135 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

Tgt Ion: 75 Resp: 51816
Ion Ratio Lower Upper
75 100
110 8.6 18.3 54.8#
77 0.2 25.1 37.7#

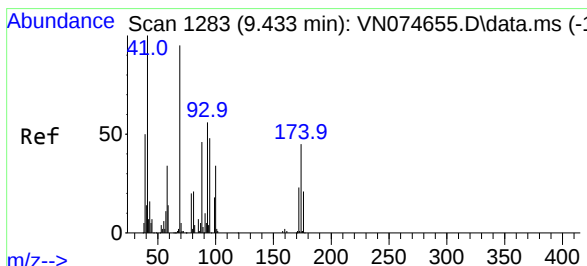
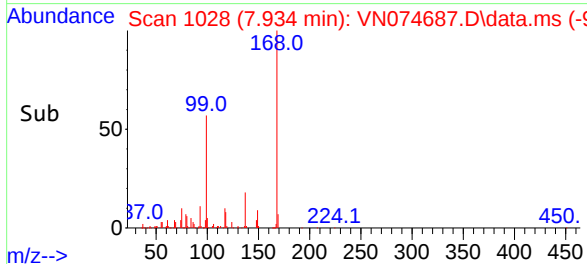
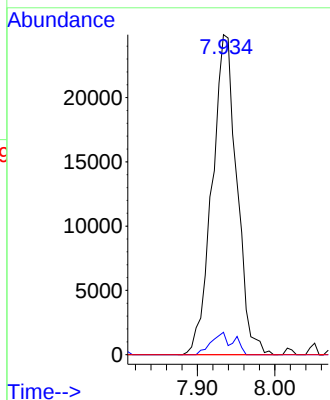
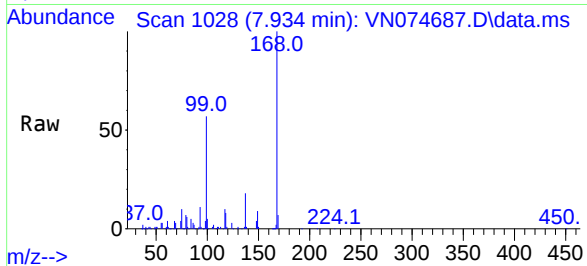




#38
Carbon Tetrachloride
Concen: 3.461 ug/l
RT: 7.934 min Scan# 11
Delta R.T. -0.123 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

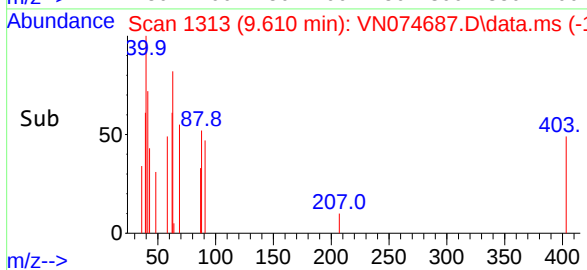
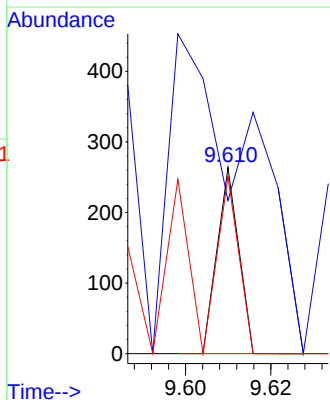
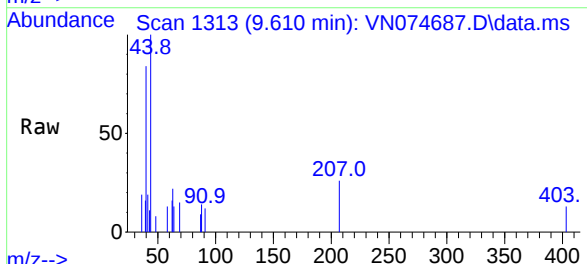
Instrument :
MSVOA_N
ClientSampleId :

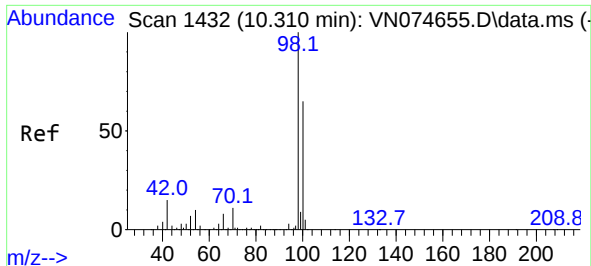
Tgt Ion:117 Resp: 55354
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 0.286 ug/l
RT: 9.610 min Scan# 1313
Delta R.T. 0.177 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

Tgt Ion: 88 Resp: 93
Ion Ratio Lower Upper
88 100
43 621.5 20.2 30.4#
58 247.3 54.2 81.4#

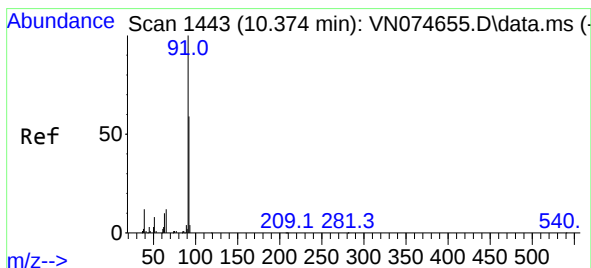
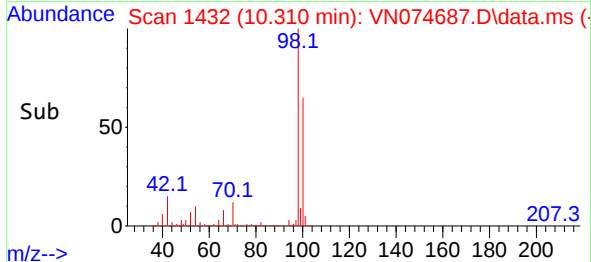
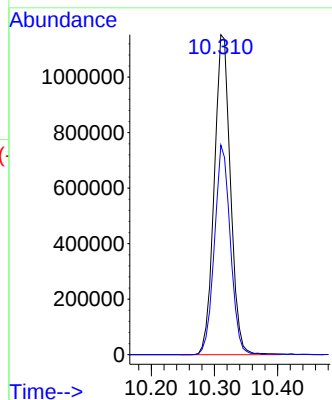
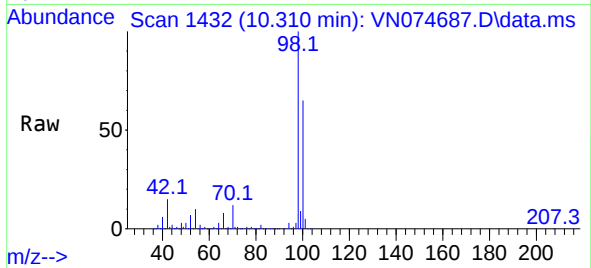




#50
Toluene-d8
Concen: 44.759 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

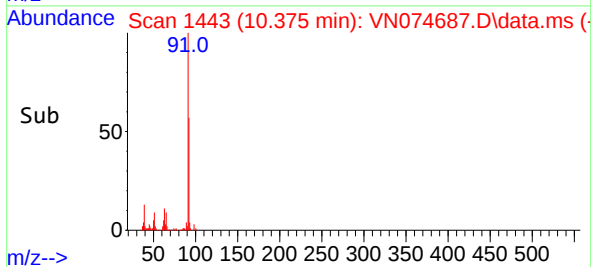
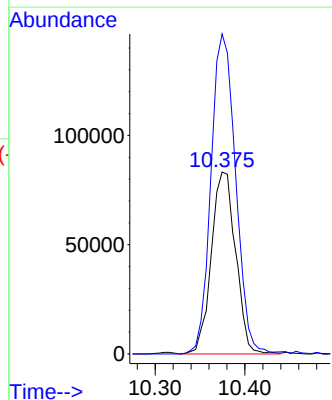
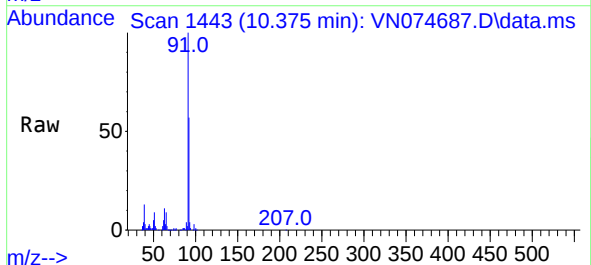
Instrument :
MSVOA_N
ClientSampleId :

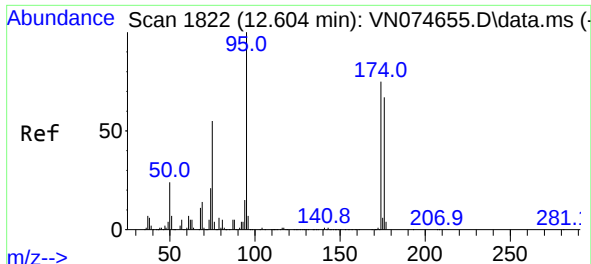
Tgt Ion: 98 Resp: 2052468
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#52
Toluene
Concen: 4.834 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.001 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

Tgt Ion: 92 Resp: 157062
Ion Ratio Lower Upper
92 100
91 178.3 138.6 207.8

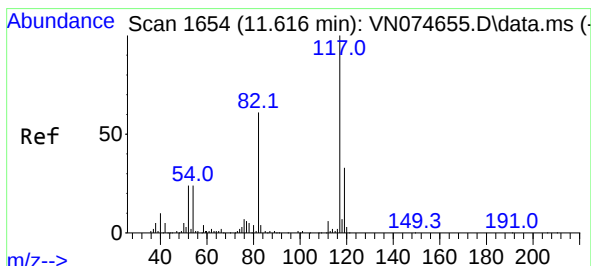
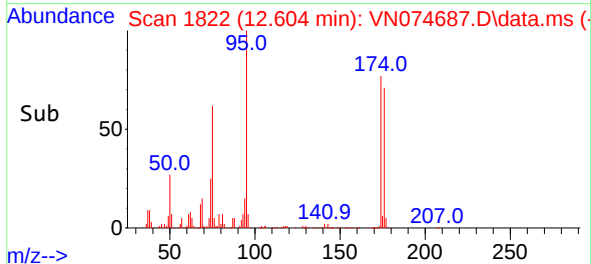
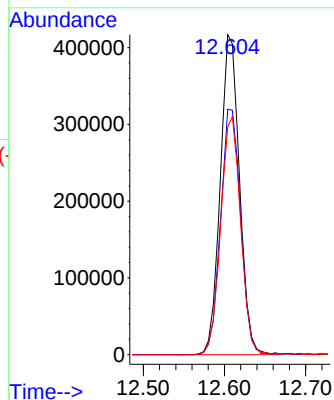
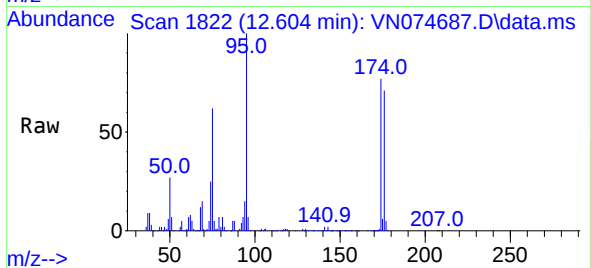




#62
4-Bromofluorobenzene
Concen: 47.198 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

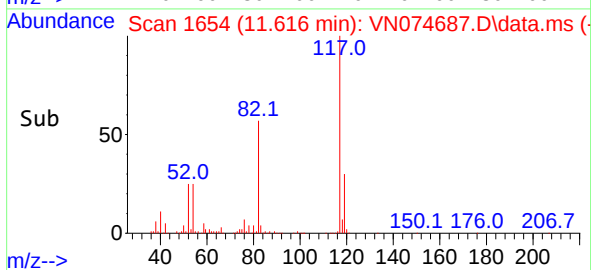
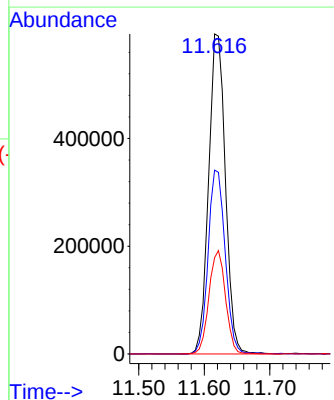
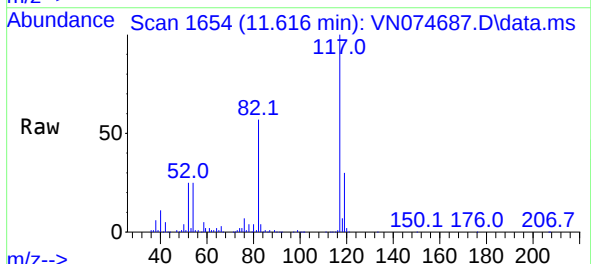
Instrument :
MSVOA_N
ClientSampleId :

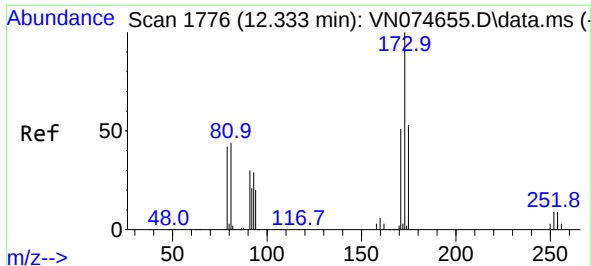
Tgt Ion: 95 Resp: 686286
Ion Ratio Lower Upper
95 100
174 80.7 0.0 167.6
176 77.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.616 min Scan# 1654
Delta R.T. -0.000 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

Tgt Ion: 117 Resp: 1058716
Ion Ratio Lower Upper
117 100
82 57.4 44.2 66.2
119 30.1 25.4 38.0

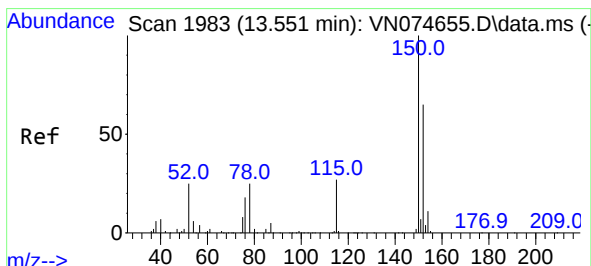
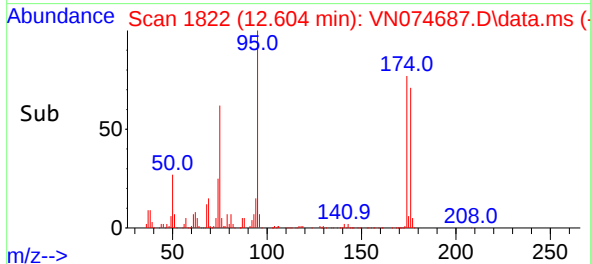
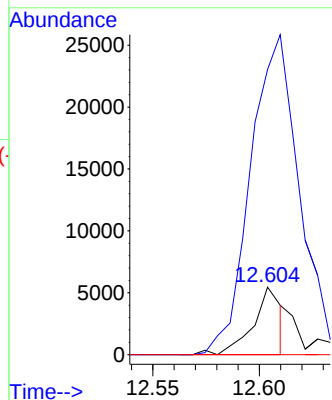
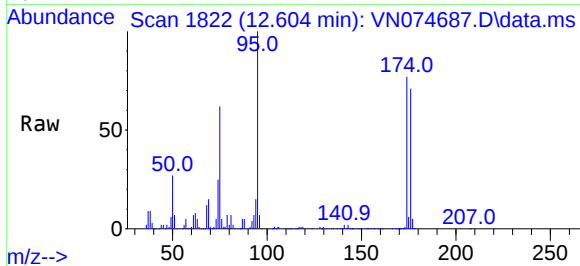




#71
Bromoform
Concen: 0.557 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.271 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

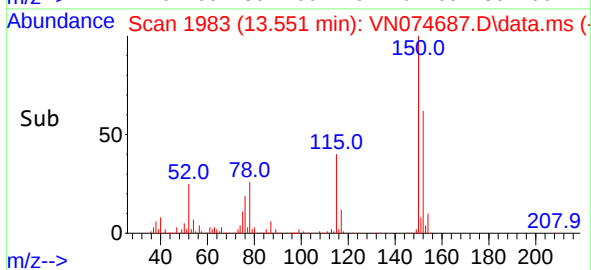
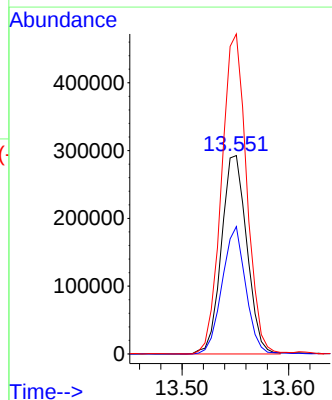
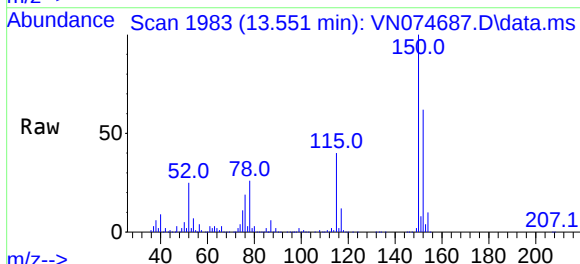
Instrument :
MSVOA_N
ClientSampleId :

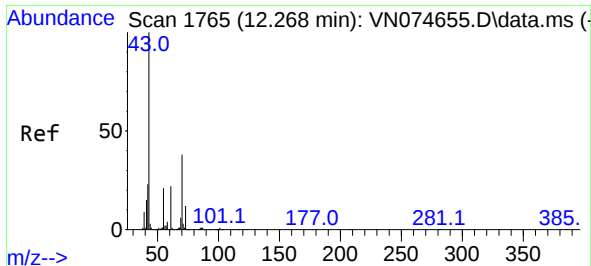
Tgt Ion:173 Resp: 5052
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

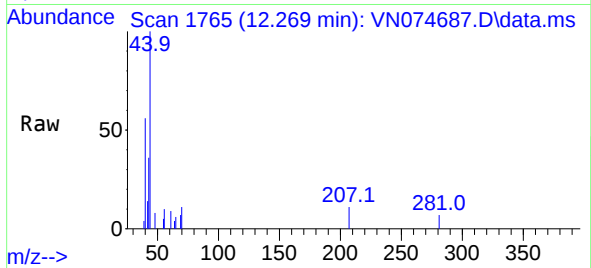
Tgt Ion:152 Resp: 484187
Ion Ratio Lower Upper
152 100
115 59.9 28.9 86.7
150 159.5 0.0 356.2



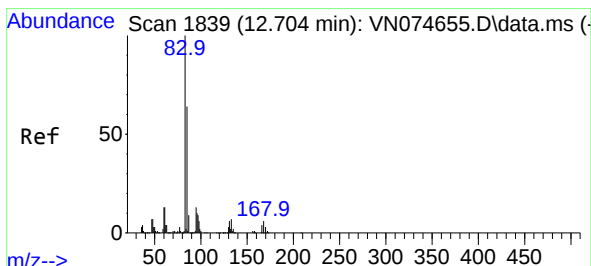
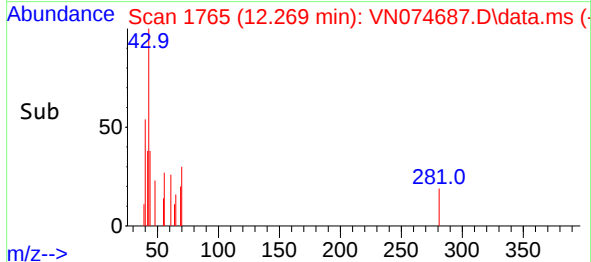
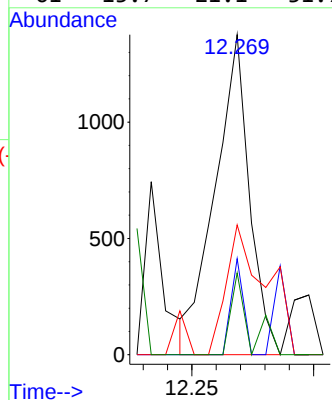


#74
N-amy1 acetate
Concen: Below Cal
RT: 12.269 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

Instrument :
MSVOA_N
ClientSampleId :

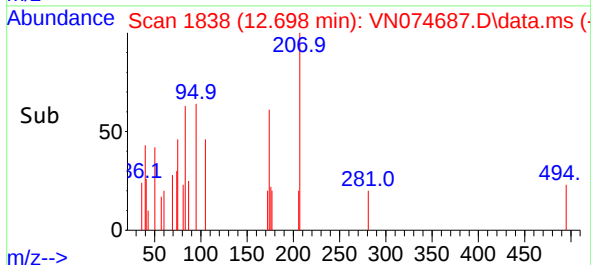
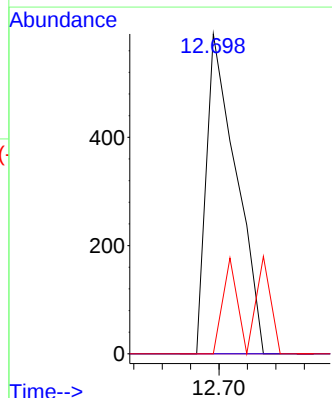
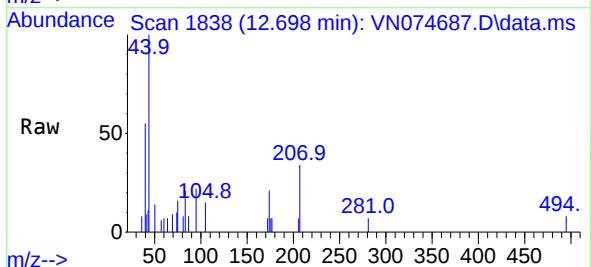


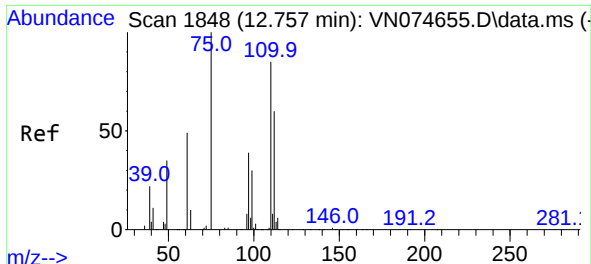
Tgt Ion: 43 Resp: 1339
Ion Ratio Lower Upper
43 100
70 10.9 39.0 58.4#
55 47.3 21.1 31.7#
61 13.7 21.1 31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.698 min Scan# 1838
Delta R.T. -0.006 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

Tgt Ion: 83 Resp: 431
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 29.2 32.3 96.9#

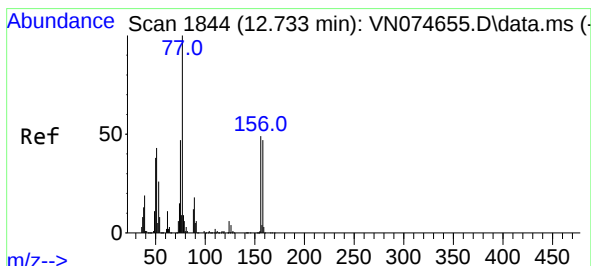
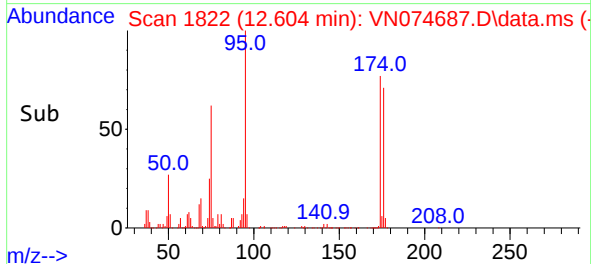
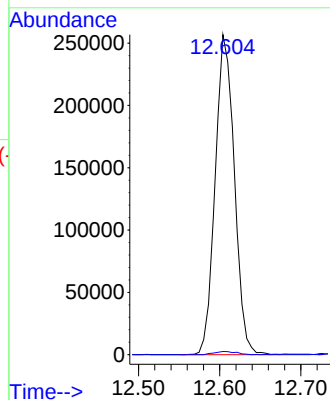
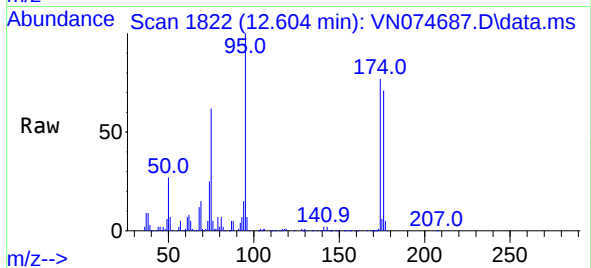




#76
1,2,3-Trichloropropane
Concen: 38.465 ug/l
RT: 12.604 min Scan# 1841
Delta R.T. -0.153 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

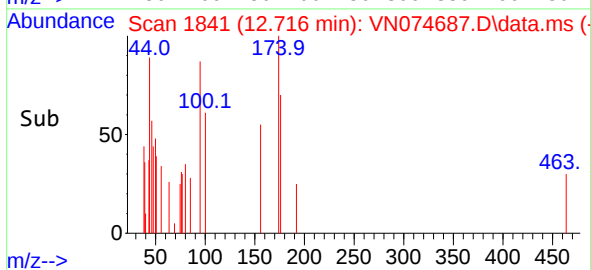
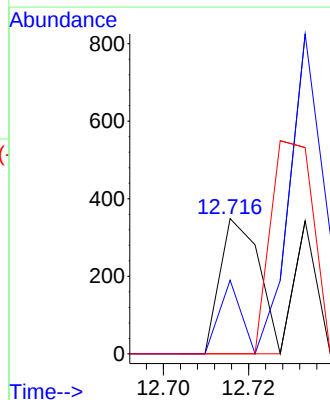
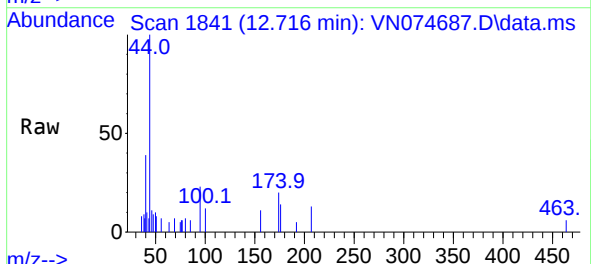
Instrument :
MSVOA_N
ClientSampleId :

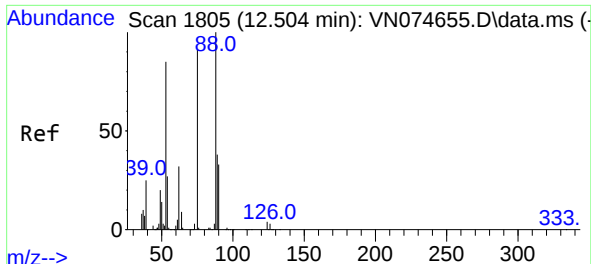
Tgt Ion: 75 Resp: 422342
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.716 min Scan# 1841
Delta R.T. -0.017 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

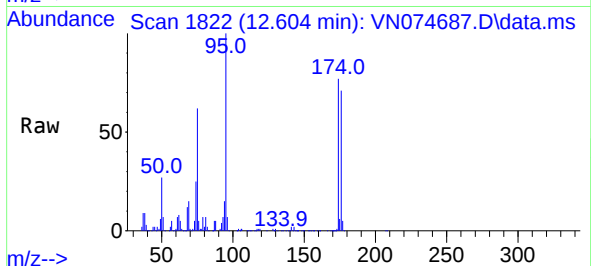
Tgt Ion:156 Resp: 222
Ion Ratio Lower Upper
156 100
77 328.8 100.5 301.5#
158 210.8 48.9 146.6#



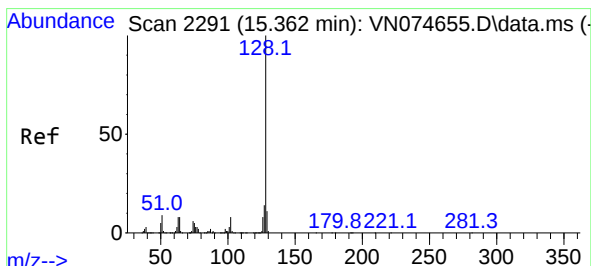
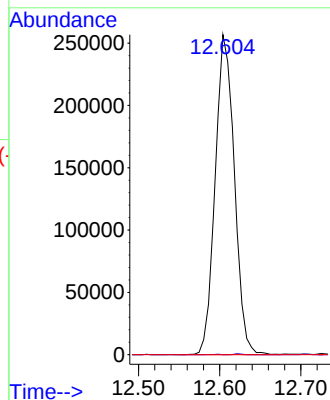
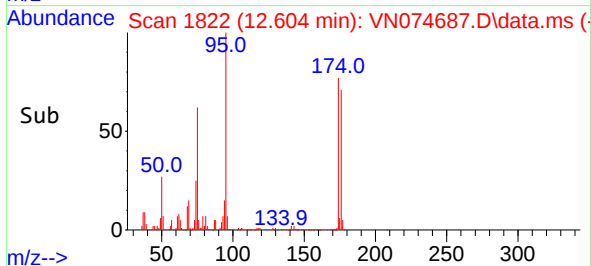


#81
trans-1,4-Dichloro-2-butene
Concen: 72.893 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.100 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 422342
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.272 ug/l
RT: 15.368 min Scan# 2292
Delta R.T. 0.006 min
Lab File: VN074687.D
Acq: 01 Oct 2022 03:59

Tgt Ion: 128 Resp: 8762
Ion Ratio Lower Upper
128 100
127 5.6 10.3 15.5#
129 19.8 8.6 13.0#

