

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
 Data File : VN074557.D
 Acq On : 17 Sep 2022 15:40
 Operator : JC\MD
 Sample : N4549-22
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB090722

Quant Time: Sep 19 02:56:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

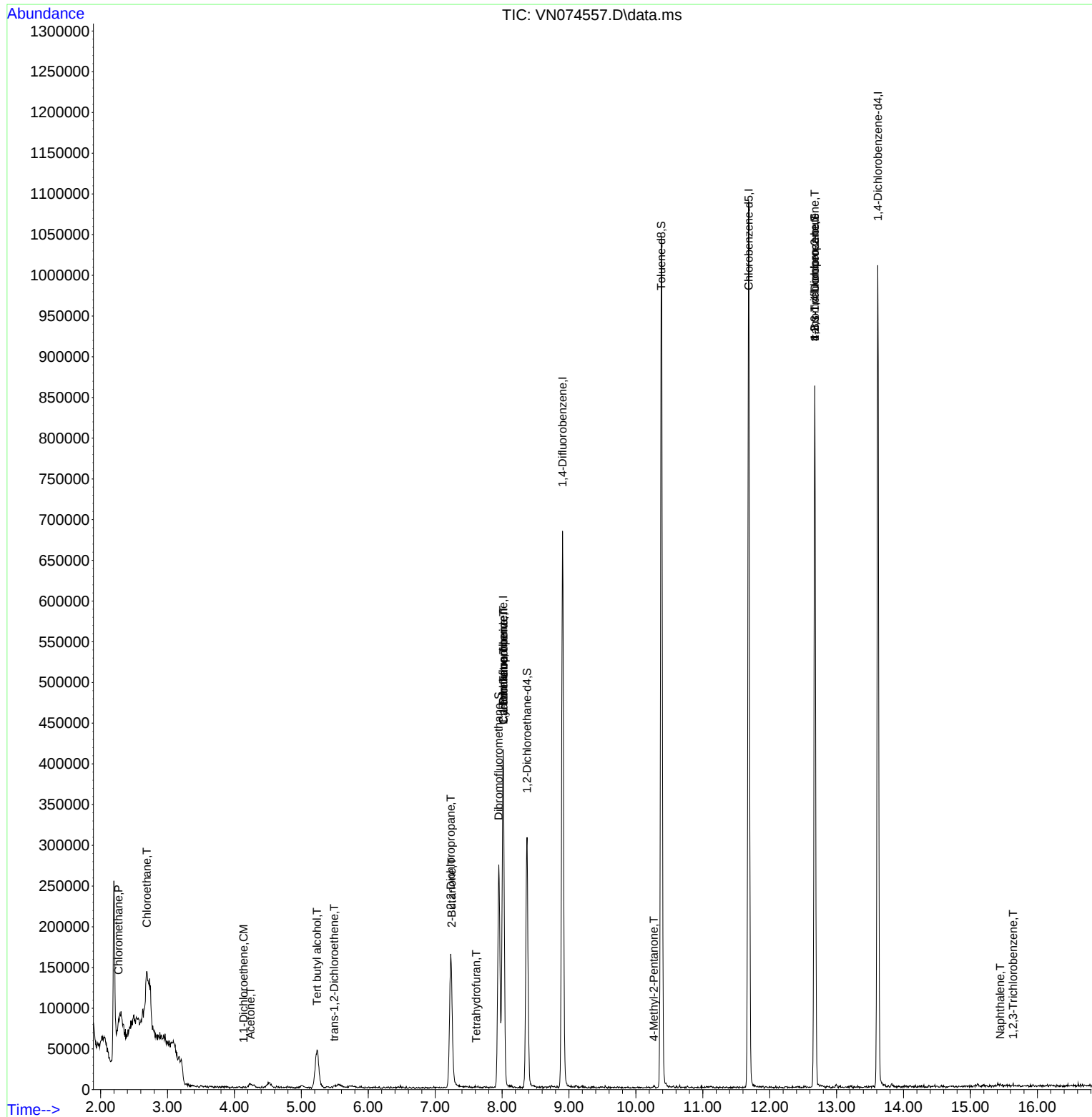
Internal Standards						
1) Pentafluorobenzene	8.016	168	285900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	550089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	544254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	235718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	226705	46.734	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.460%
35) Dibromofluoromethane	7.951	113	188442	51.569	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.140%
50) Toluene-d8	10.380	98	690743	48.878	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.760%
62) 4-Bromofluorobenzene	12.674	95	255311	52.749	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.500%
Target Compounds						Qvalue
3) Chloromethane	2.269	50	1957	0.630	ug/l	91
6) Chloroethane	2.693	64	25025	6.541	ug/l #	50
11) Tert butyl alcohol	5.234	59	47951	30.344	ug/l #	73
12) 1,1-Dichloroethene	4.140	96	57	0.699	ug/l #	1
16) Acetone	4.240	43	6835	2.202	ug/l	98
21) trans-1,2-Dichloroethene	5.492	96	65	0.445	ug/l #	1
25) 2-Butanone	7.245	43	10304	1.999	ug/l #	66
26) 2,2-Dichloropropane	7.234	77	10377	1.334	ug/l #	53
28) Bromochloromethane	7.575	49	58	Below Cal	#	8
29) Tetrahydrofuran	7.616	42	756	0.223	ug/l #	50
31) Cyclohexane	8.022	56	10481	1.217	ug/l #	76
36) 1,1-Dichloropropene	8.022	75	29071	4.495	ug/l #	48
38) Carbon Tetrachloride	8.022	117	31246	5.232	ug/l #	15
51) 4-Methyl-2-Pentanone	10.269	43	2224	0.218	ug/l #	67
76) 1,2,3-Trichloropropane	12.674	75	154259	21.261	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	154259	45.887	ug/l #	10
95) Naphthalene	15.445	128	1808	1.676	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.639	180	367	1.410	ug/l #	26

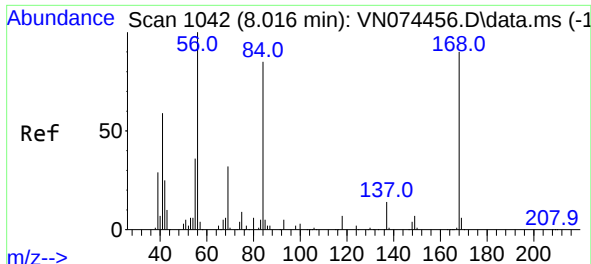
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
Data File : VN074557.D
Acq On : 17 Sep 2022 15:40
Operator : JC\MD
Sample : N4549-22
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB090722

Quant Time: Sep 19 02:56:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

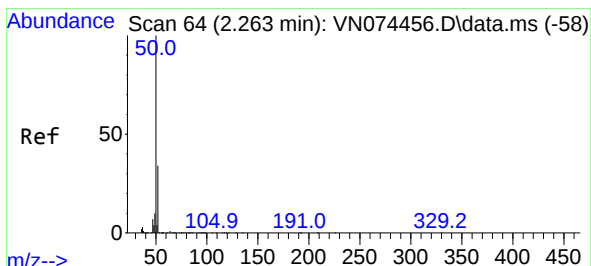
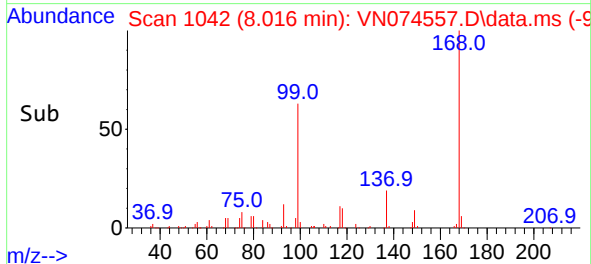
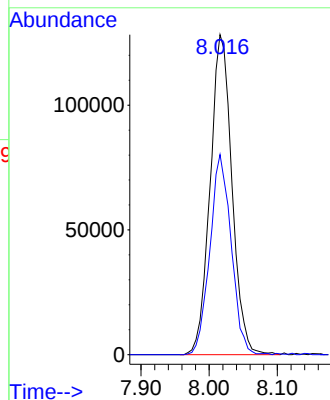
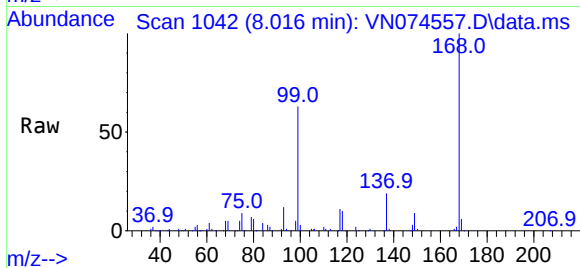




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

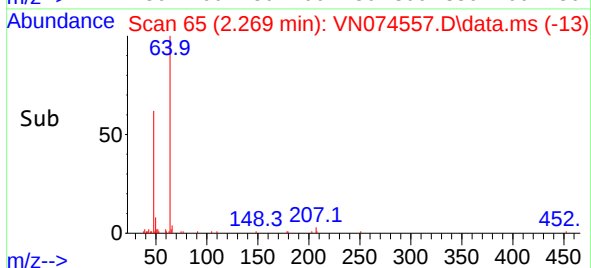
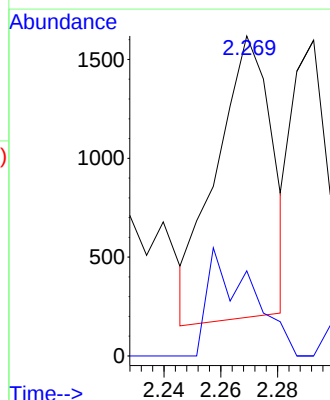
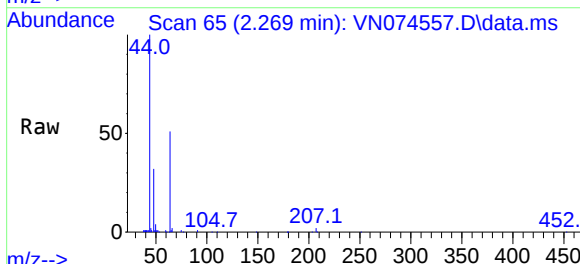
Instrument :
MSVOA_N
ClientSampleId :
FB090722

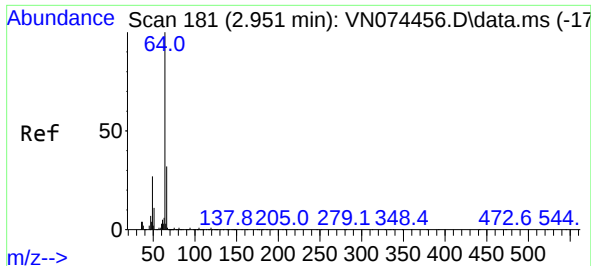
Tgt Ion:168 Resp: 285900
Ion Ratio Lower Upper
168 100
99 62.5 42.3 63.5



#3
Chloromethane
Concen: 0.630 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

Tgt Ion: 50 Resp: 1957
Ion Ratio Lower Upper
50 100
52 36.9 25.7 38.5

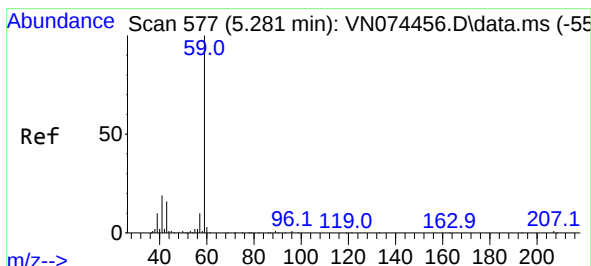
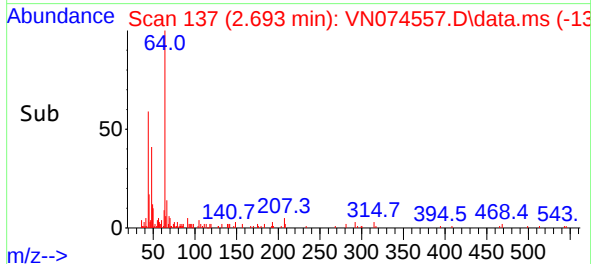
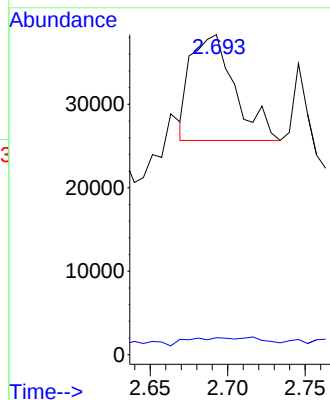
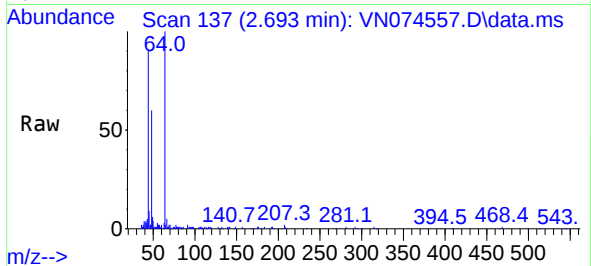




#6
Chloroethane
Concen: 6.541 ug/l
RT: 2.693 min Scan# 11
Delta R.T. -0.258 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

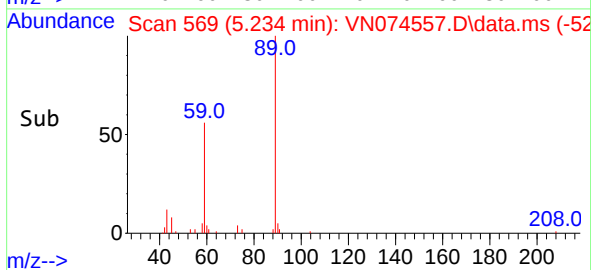
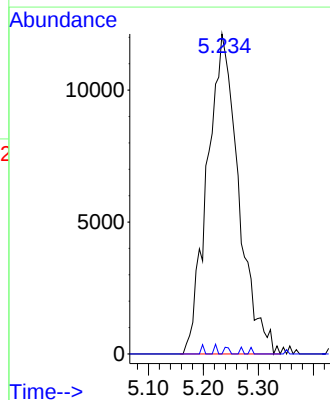
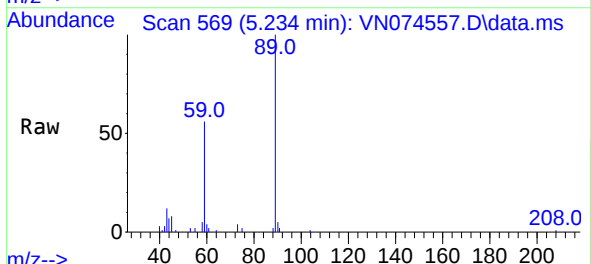
Instrument :
MSVOA_N
ClientSampleId :
FB090722

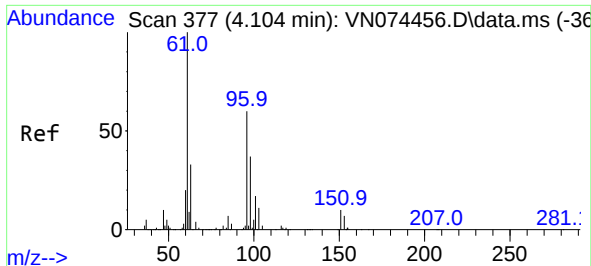
Tgt Ion: 64 Resp: 25025
Ion Ratio Lower Upper
64 100
66 4.9 26.2 39.4#



#11
Tert butyl alcohol
Concen: 30.344 ug/l
RT: 5.234 min Scan# 569
Delta R.T. -0.047 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

Tgt Ion: 59 Resp: 47951
Ion Ratio Lower Upper
59 100
57 0.4 8.3 12.5#

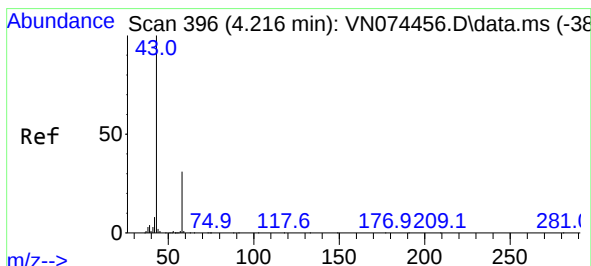
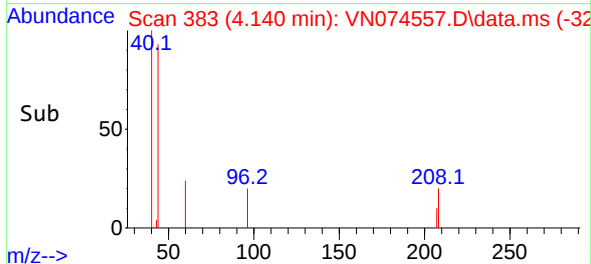
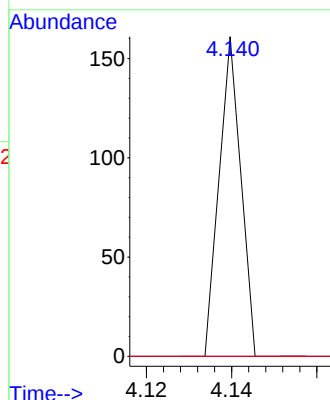
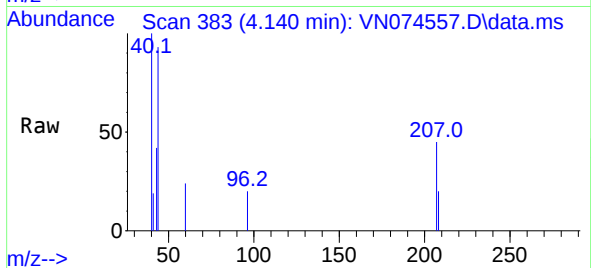




#12
1,1-Dichloroethene
Concen: 0.699 ug/l
RT: 4.140 min Scan# 377
Delta R.T. 0.036 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

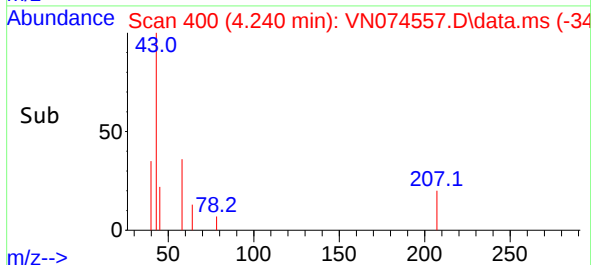
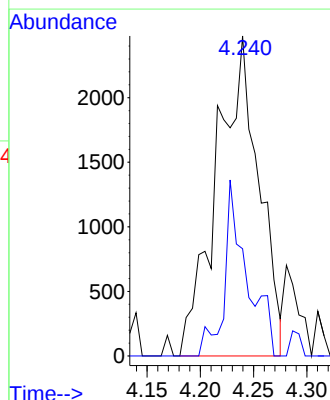
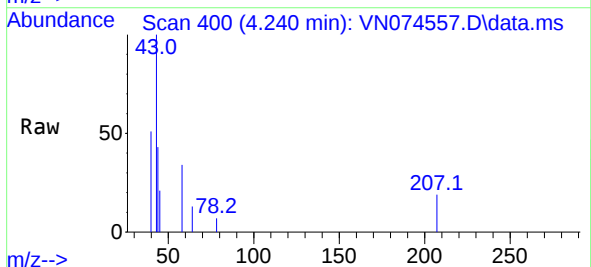
Instrument :
MSVOA_N
ClientSampleId :
FB090722

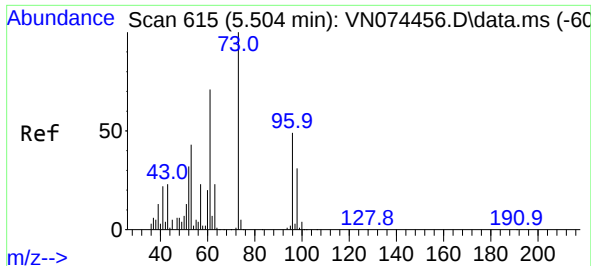
Tgt Ion: 96 Resp: 57
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#



#16
Acetone
Concen: 2.202 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.024 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

Tgt Ion: 43 Resp: 6835
Ion Ratio Lower Upper
43 100
58 33.5 26.0 39.0

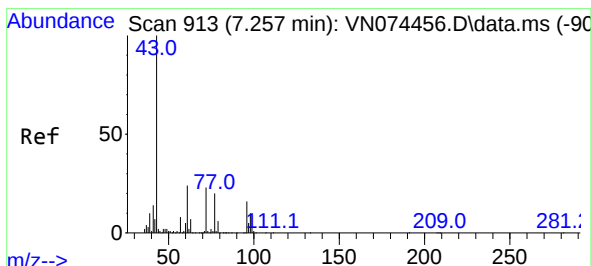
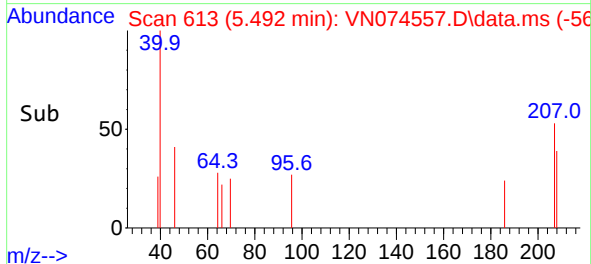
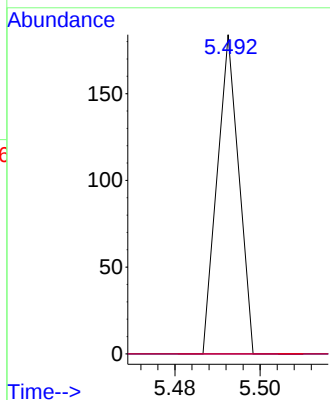
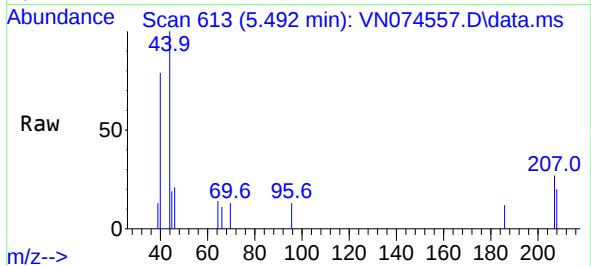




#21
trans-1,2-Dichloroethene
Concen: 0.445 ug/l
RT: 5.492 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

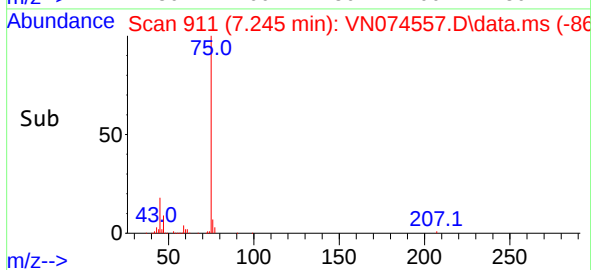
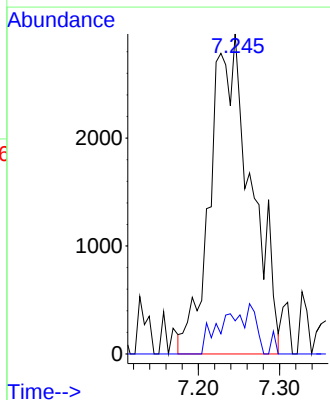
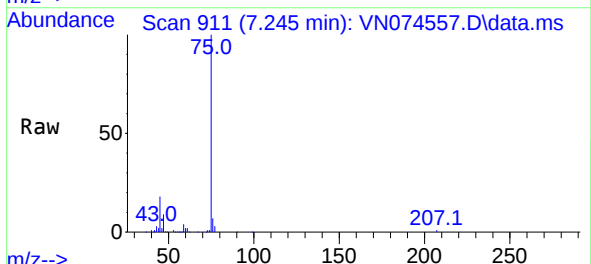
Instrument :
MSVOA_N
ClientSampleId :
FB090722

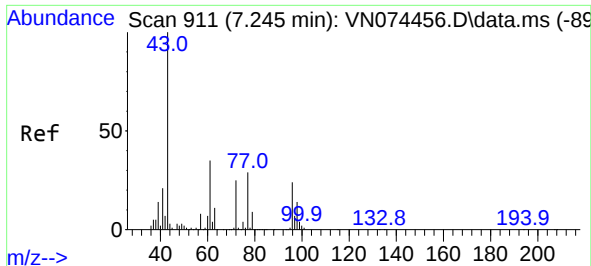
Tgt Ion: 96 Resp: 65
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#



#25
2-Butanone
Concen: 1.999 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.012 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

Tgt Ion: 43 Resp: 10304
Ion Ratio Lower Upper
43 100
72 11.0 23.7 35.5#

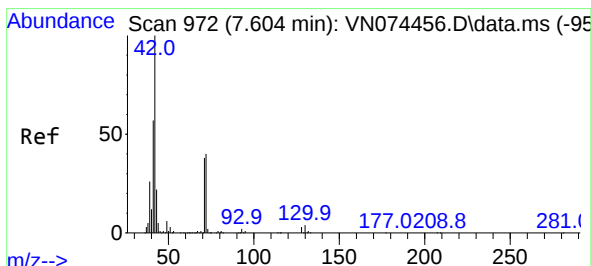
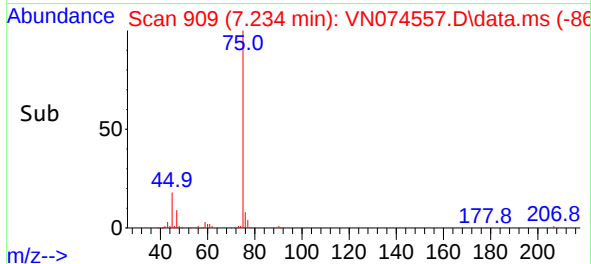
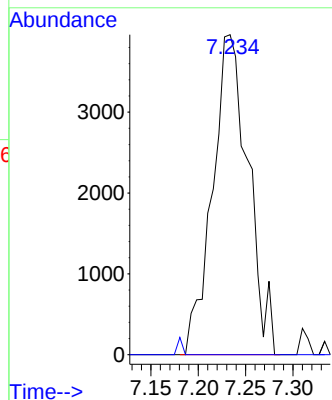
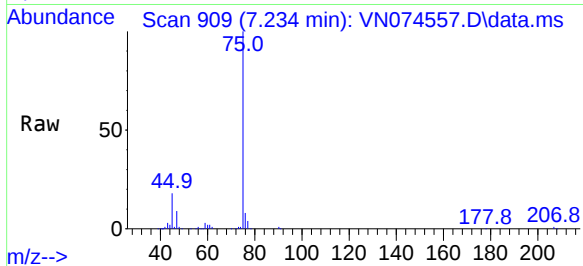




#26
2,2-Dichloropropane
Concen: 1.334 ug/l
RT: 7.234 min Scan# 909
Delta R.T. -0.011 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

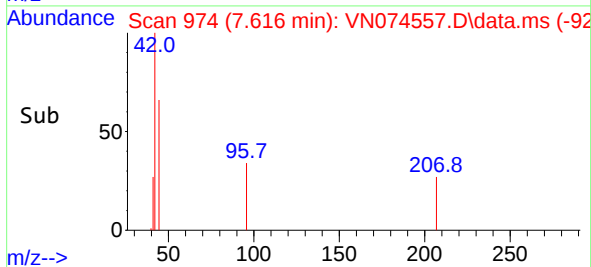
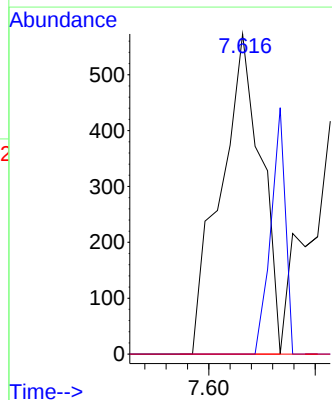
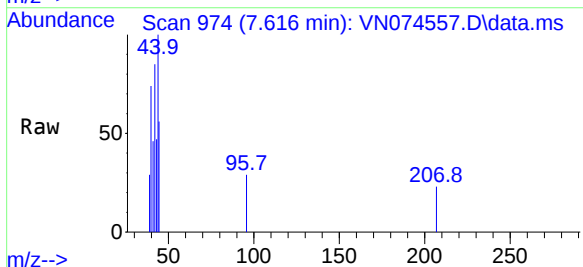
Instrument :
MSVOA_N
ClientSampleId :
FB090722

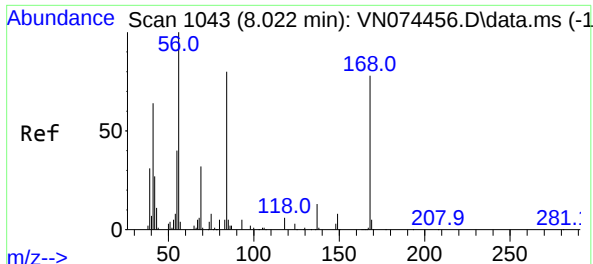
Tgt Ion: 77 Resp: 10377
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.223 ug/l
RT: 7.616 min Scan# 974
Delta R.T. 0.012 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

Tgt Ion: 42 Resp: 756
Ion Ratio Lower Upper
42 100
72 27.6 39.7 59.5#
71 0.0 36.6 55.0#

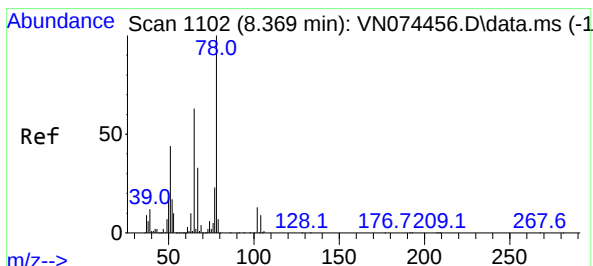
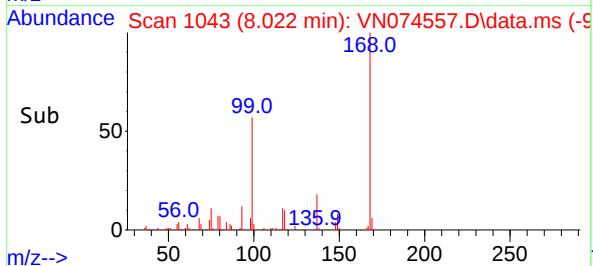
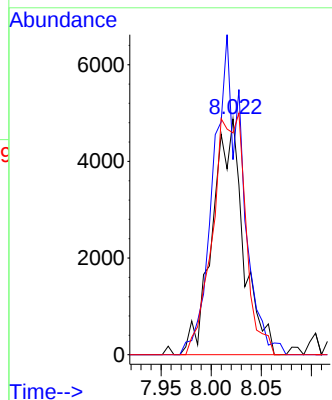
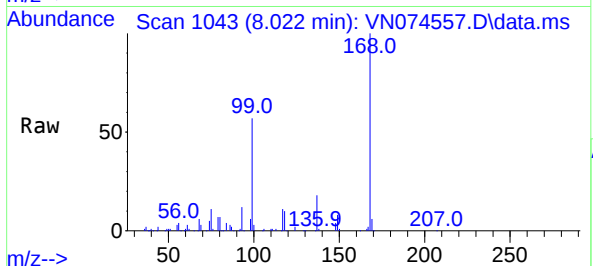




#31
Cyclohexane
Concen: 1.217 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

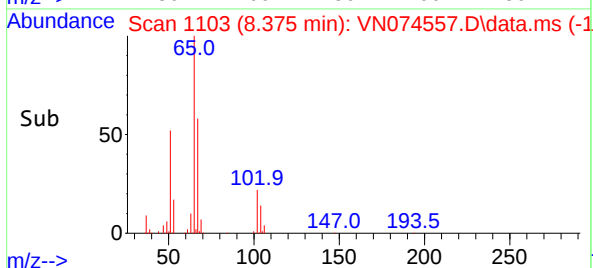
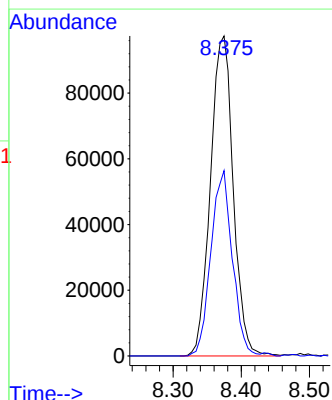
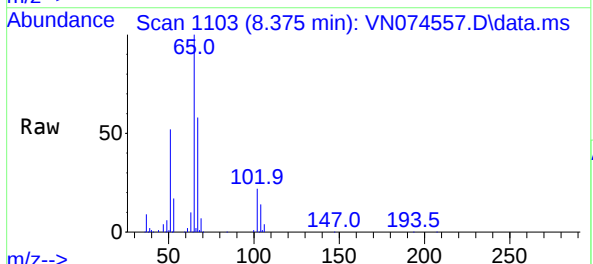
Instrument :
MSVOA_N
ClientSampleId :
FB090722

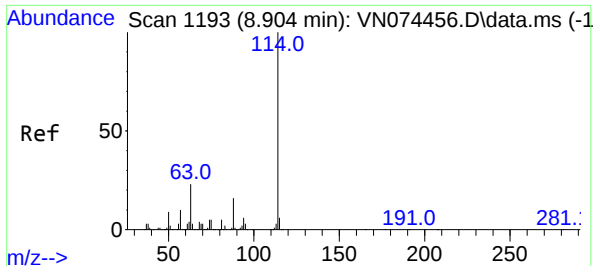
Tgt Ion: 56 Resp: 10481
Ion Ratio Lower Upper
56 100
69 82.7 27.8 41.8#
84 94.0 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 46.734 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

Tgt Ion: 65 Resp: 226705
Ion Ratio Lower Upper
65 100
67 54.4 0.0 104.8

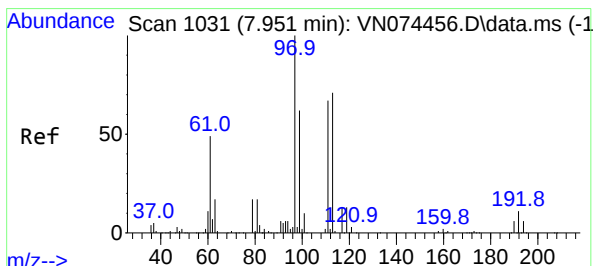
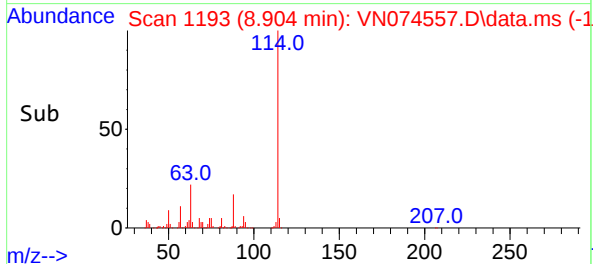
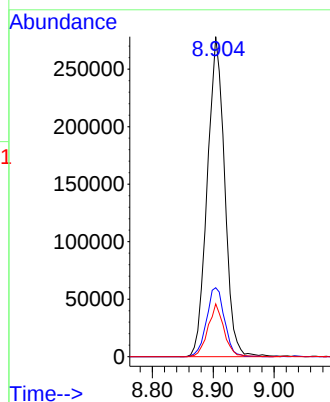
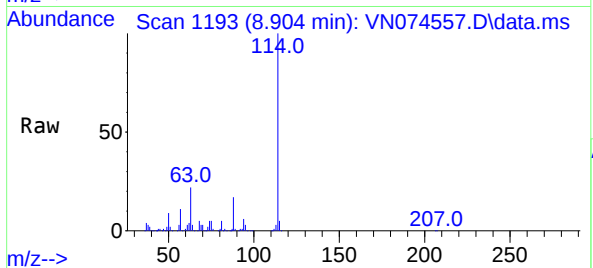




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

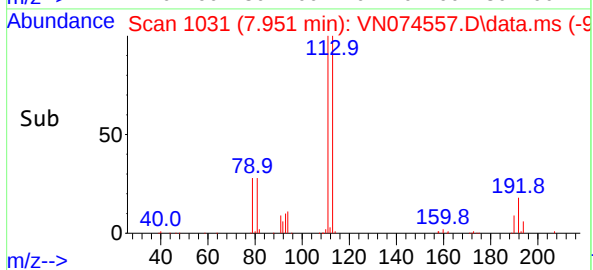
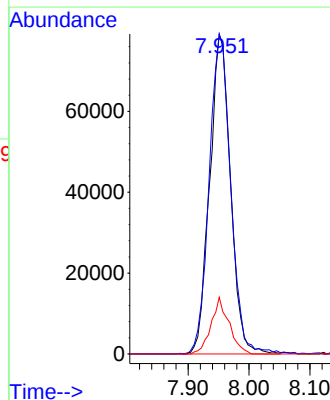
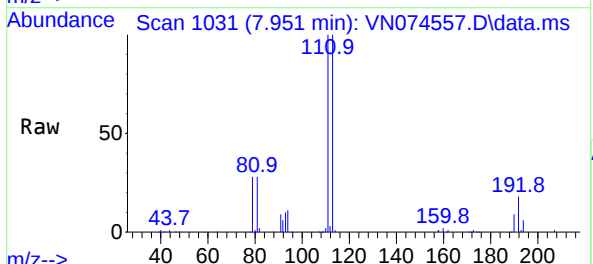
Instrument :
MSVOA_N
ClientSampleId :
FB090722

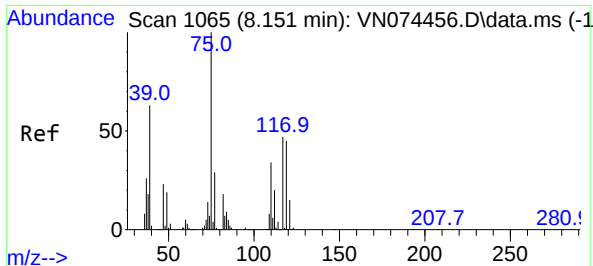
Tgt Ion:	114	Resp:	550089
Ion Ratio	Lower	Upper	
114	100		
63	21.6	0.0	40.0
88	16.5	0.0	32.6



#35
Dibromofluoromethane
Concen: 51.569 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

Tgt Ion:	113	Resp:	188442
Ion Ratio	Lower	Upper	
113	100		
111	103.0	81.4	122.0
192	15.2	17.0	25.6#





#36

1,1-Dichloropropene

Concen: 4.495 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN074557.D

Acq: 17 Sep 2022 15:40

Instrument :

MSVOA_N

ClientSampleId :

FB090722

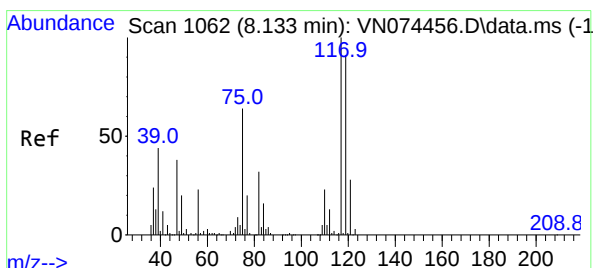
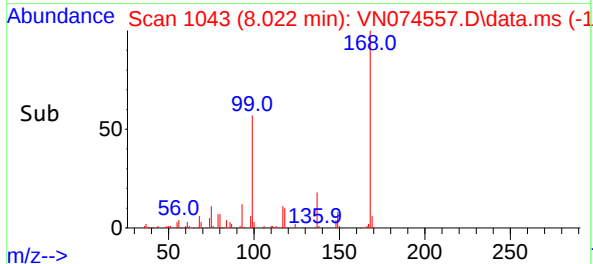
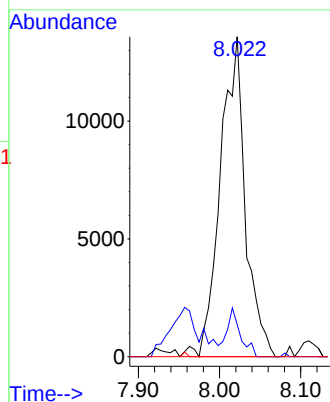
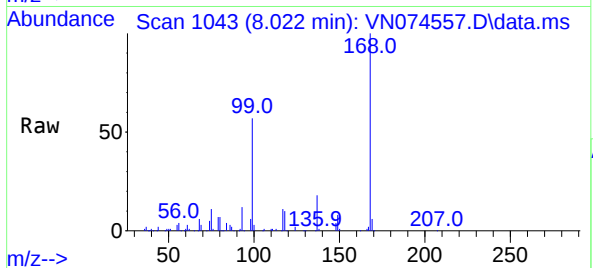
Tgt Ion: 75 Resp: 29071

Ion Ratio Lower Upper

75 100

110 8.4 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.232 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.111 min

Lab File: VN074557.D

Acq: 17 Sep 2022 15:40

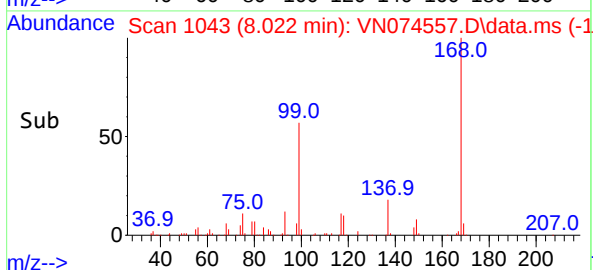
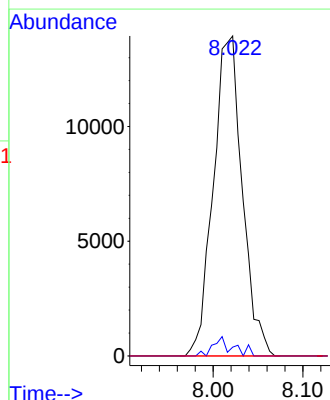
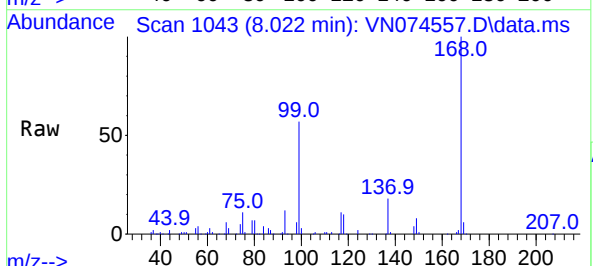
Tgt Ion: 117 Resp: 31246

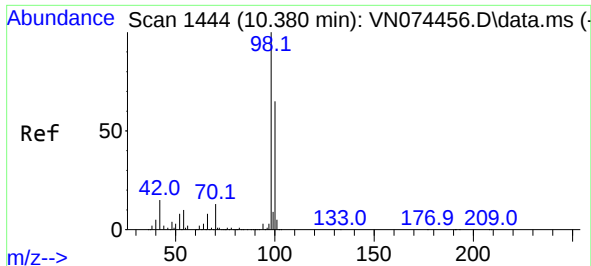
Ion Ratio Lower Upper

117 100

119 2.8 75.8 113.8#

121 0.0 24.6 37.0#

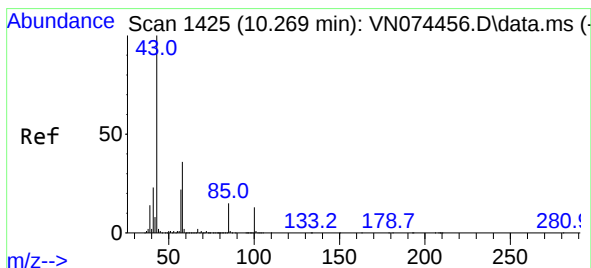
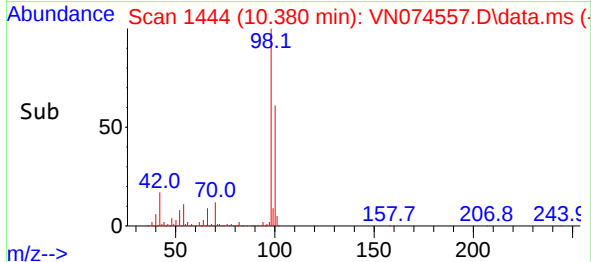
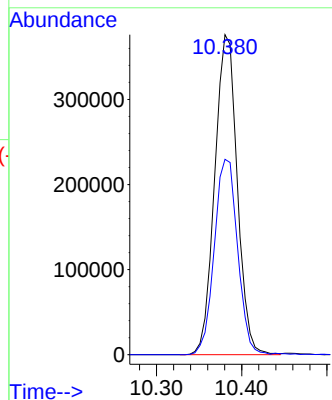
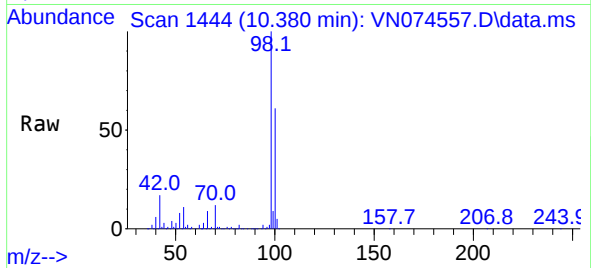




#50
Toluene-d8
Concen: 48.878 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

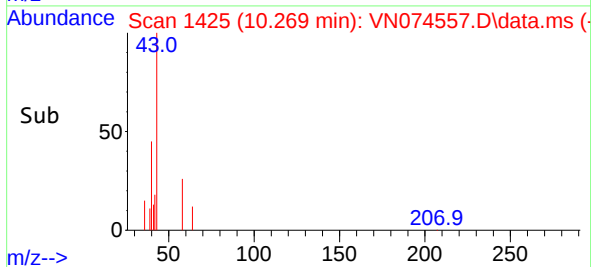
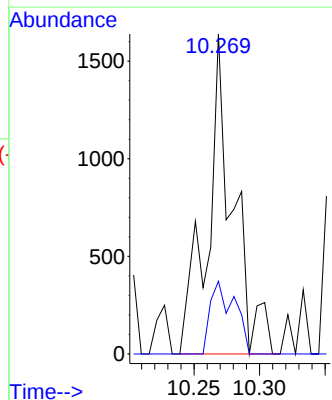
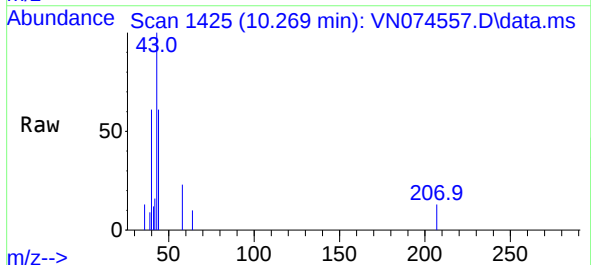
Instrument :
MSVOA_N
ClientSampleId :
FB090722

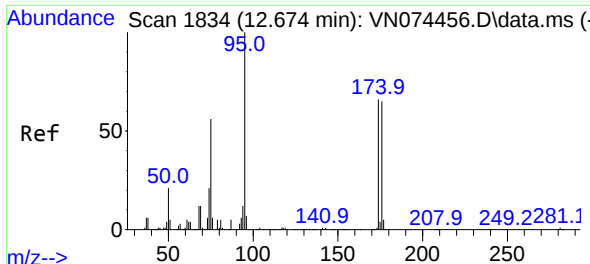
Tgt Ion: 98 Resp: 690743
Ion Ratio Lower Upper
98 100
100 63.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.218 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

Tgt Ion: 43 Resp: 2224
Ion Ratio Lower Upper
43 100
58 21.4 34.1 51.1#

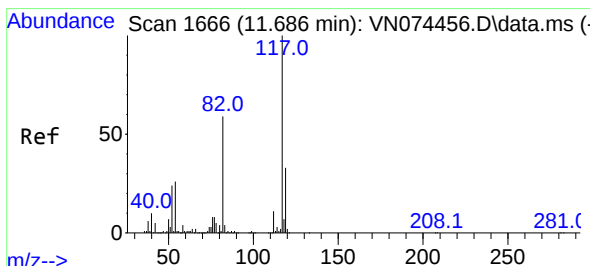
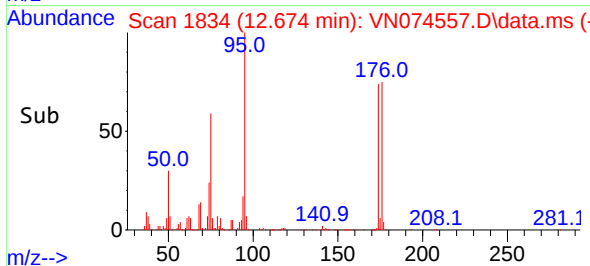
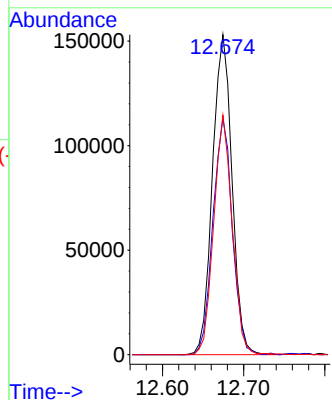
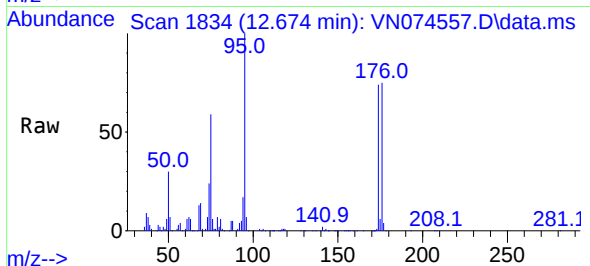




#62
4-Bromofluorobenzene
Concen: 52.749 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

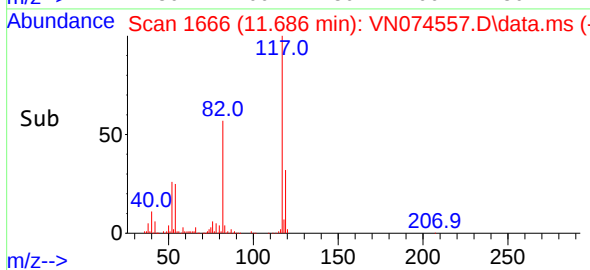
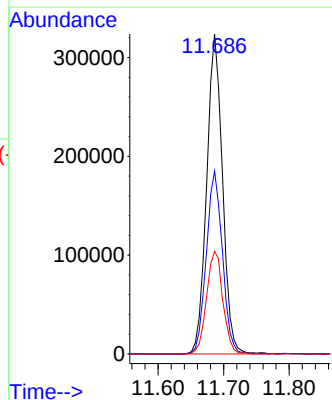
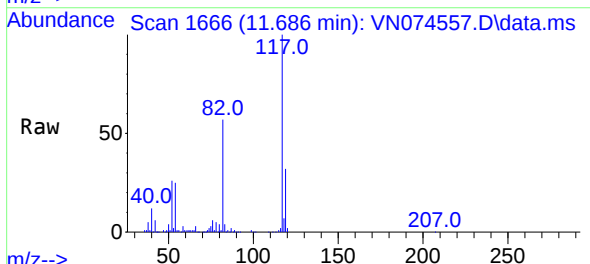
Instrument :
MSVOA_N
ClientSampleId :
FB090722

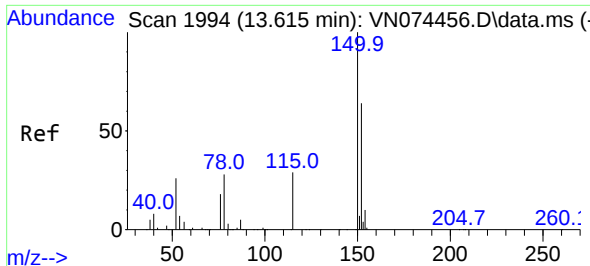
Tgt Ion: 95 Resp: 255311
Ion Ratio Lower Upper
95 100
174 73.6 0.0 167.6
176 71.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

Tgt Ion: 117 Resp: 544254
Ion Ratio Lower Upper
117 100
82 57.2 44.2 66.2
119 32.1 25.4 38.0

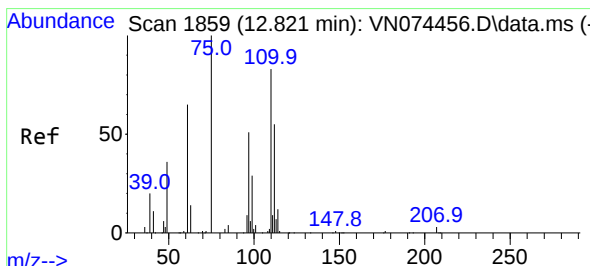
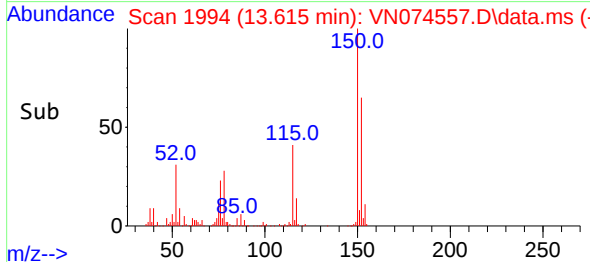
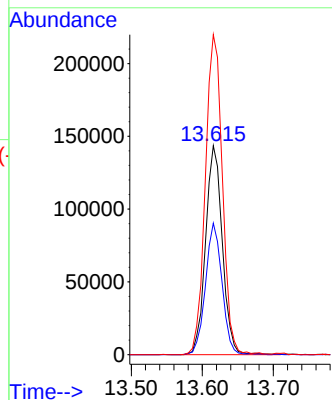
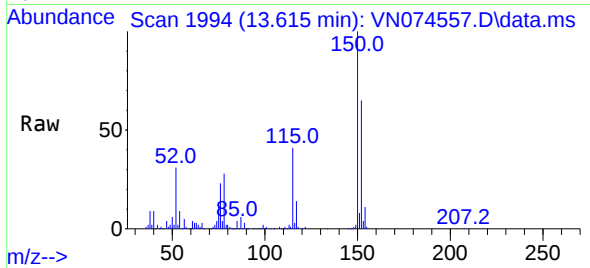




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN074557.D
 Acq: 17 Sep 2022 15:40

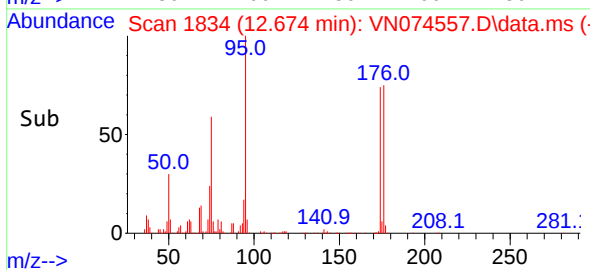
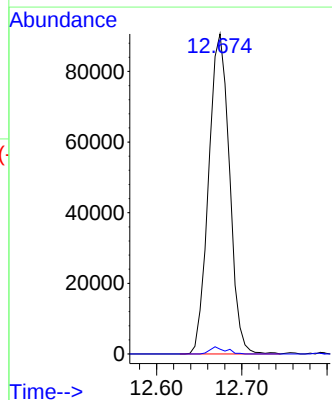
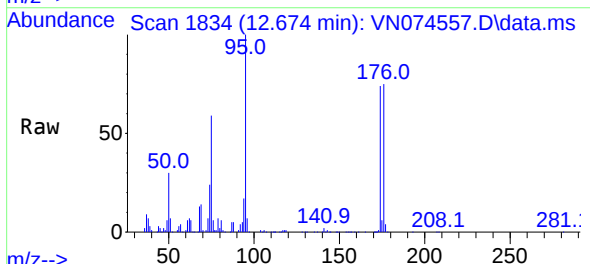
Instrument :
 MSVOA_N
 ClientSampleId :
 FB090722

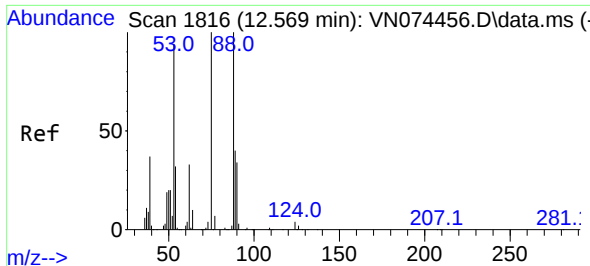
Tgt Ion:152 Resp: 235718
 Ion Ratio Lower Upper
 152 100
 115 62.2 28.9 86.7
 150 156.1 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.261 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN074557.D
 Acq: 17 Sep 2022 15:40

Tgt Ion: 75 Resp: 154259
 Ion Ratio Lower Upper
 75 100
 77 1.7 98.5 295.5#

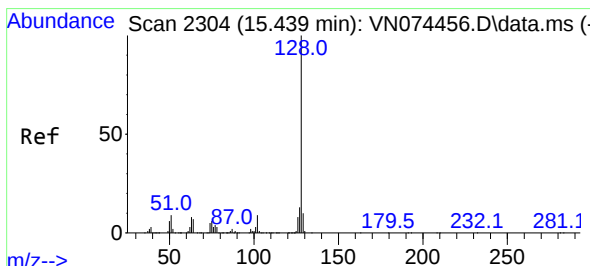
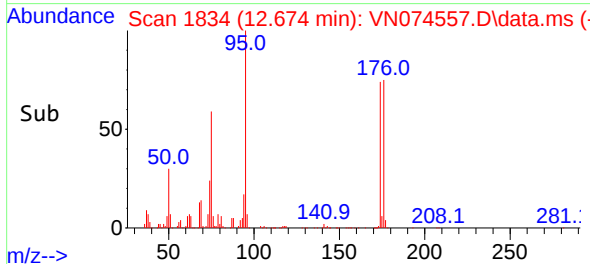
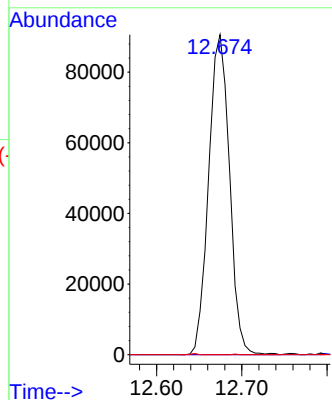
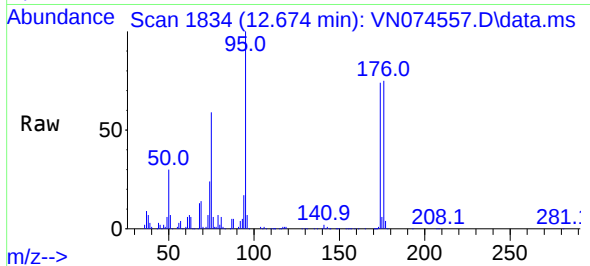




#81
trans-1,4-Dichloro-2-butene
Concen: 45.887 ug/l
RT: 12.674 min Scan# 1816
Delta R.T. 0.105 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

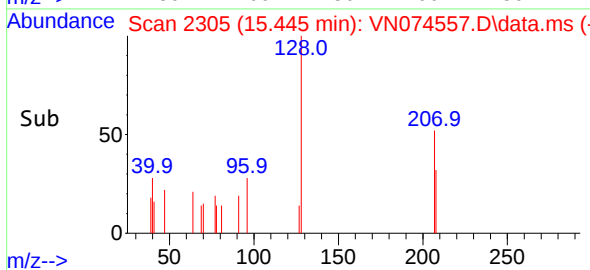
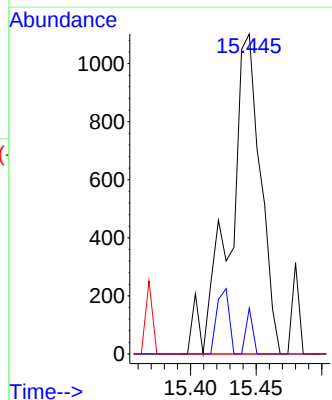
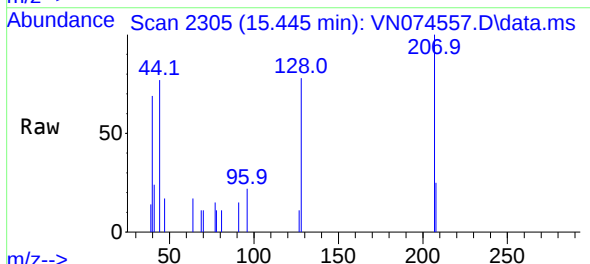
Instrument :
MSVOA_N
ClientSampleId :
FB090722

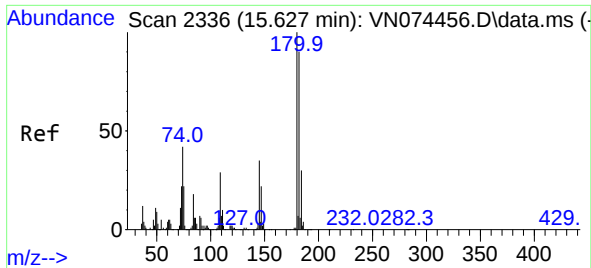
Tgt Ion: 75 Resp: 154259
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 1.676 ug/l
RT: 15.445 min Scan# 2305
Delta R.T. 0.006 min
Lab File: VN074557.D
Acq: 17 Sep 2022 15:40

Tgt Ion:128 Resp: 1808
Ion Ratio Lower Upper
128 100
127 3.1 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.410 ug/l
 RT: 15.639 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN074557.D
 Acq: 17 Sep 2022 15:40

Instrument :
 MSVOA_N
 ClientSampleId :
 FB090722

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.3#
145	30.5	15.5	46.5

