

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
 Data File : VN074577.D
 Acq On : 19 Sep 2022 11:25
 Operator : JC\MD
 Sample : VN0919MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919MBL01

Quant Time: Sep 20 04:18:00 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)

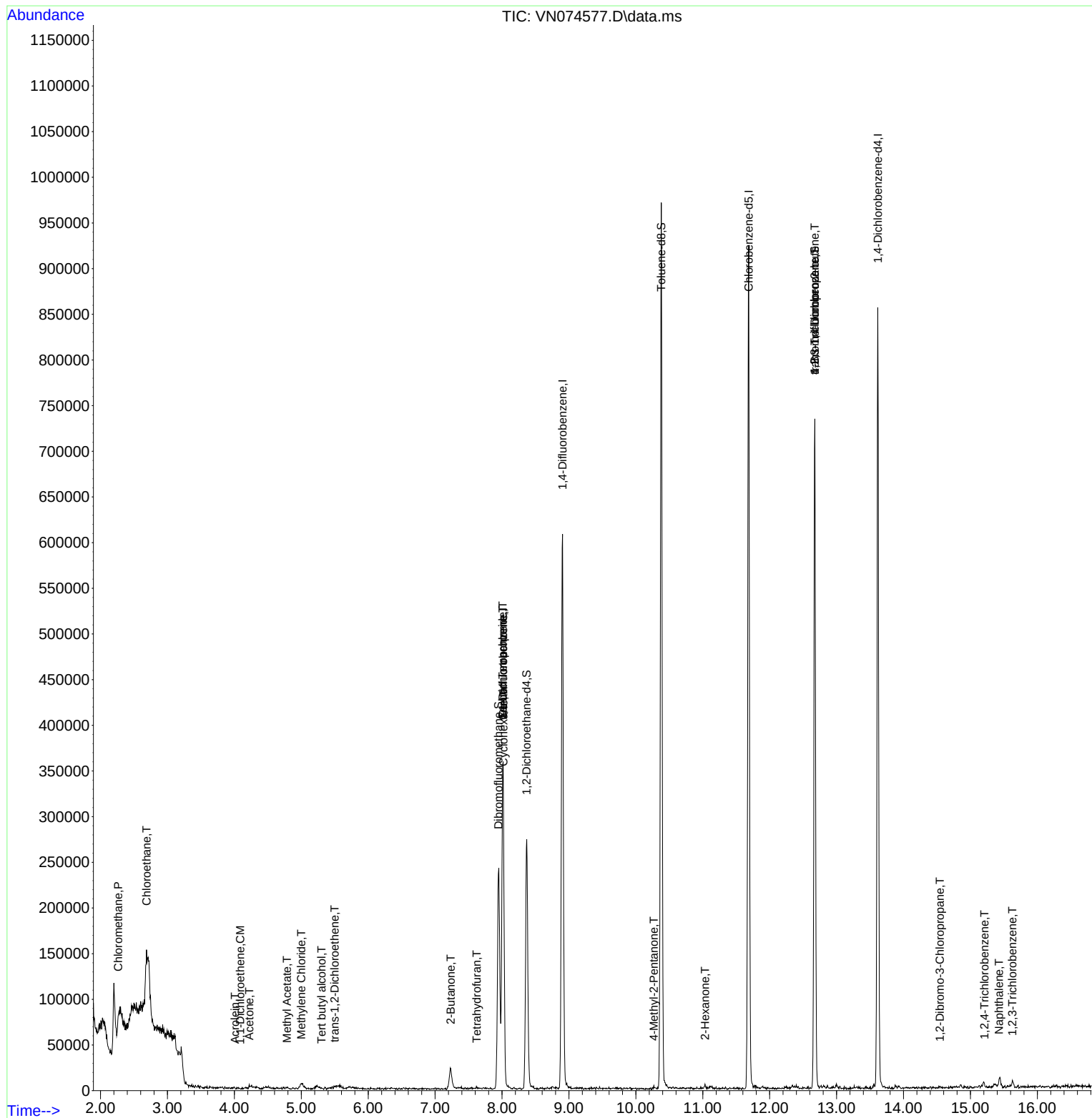
Internal Standards						
1) Pentafluorobenzene	8.016	168	252054	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	480054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	467812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	198967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	207504	48.520	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.040%		
35) Dibromofluoromethane	7.945	113	167055	52.386	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.780%		
50) Toluene-d8	10.381	98	608505	49.341	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.680%		
62) 4-Bromofluorobenzene	12.675	95	223673	52.954	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.900%		
Target Compounds						Qvalue
3) Chloromethane	2.263	50	2389	0.773	ug/l #	86
6) Chloroethane	2.687	64	90738	26.903	ug/l #	51
11) Tert butyl alcohol	5.304	59	303	0.217	ug/l #	76
12) 1,1-Dichloroethene	4.087	96	105	0.716	ug/l #	1
13) Acrolein	4.010	56	315	0.619	ug/l #	2
16) Acetone	4.222	43	973	0.356	ug/l	92
18) Methyl Acetate	4.787	43	3221	0.379	ug/l #	67
20) Methylene Chloride	4.999	84	3786	0.936	ug/l #	69
21) trans-1,2-Dichloroethene	5.499	96	62	0.446	ug/l #	47
25) 2-Butanone	7.234	43	3192	0.703	ug/l #	45
29) Tetrahydrofuran	7.622	42	1277	0.427	ug/l #	37
31) Cyclohexane	8.022	56	8412	1.108	ug/l #	41
36) 1,1-Dichloropropene	8.010	75	27291	4.835	ug/l #	49
38) Carbon Tetrachloride	8.010	117	29741	5.707	ug/l #	15
51) 4-Methyl-2-Pentanone	10.269	43	2005	0.225	ug/l #	79
59) 2-Hexanone	11.033	43	3621	0.532	ug/l	85
76) 1,2,3-Trichloropropane	12.675	75	135454	22.117	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	135454	47.736	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.545	75	435	0.241	ug/l #	29
93) 1,2,4-Trichlorobenzene	15.210	180	2014	0.510	ug/l	96
95) Naphthalene	15.427	128	9846	2.149	ug/l	97
96) 1,2,3-Trichlorobenzene	15.627	180	1766	1.756	ug/l	67

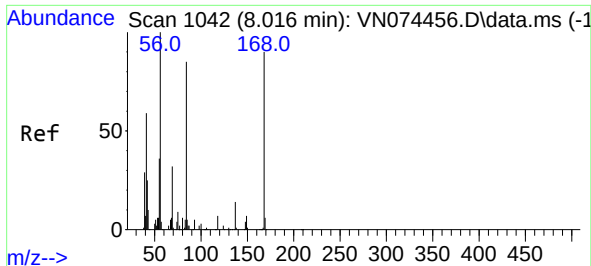
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 20 04:18:00 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

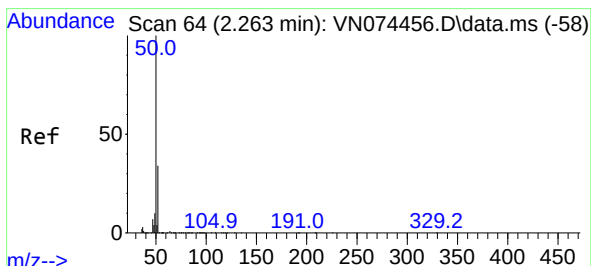
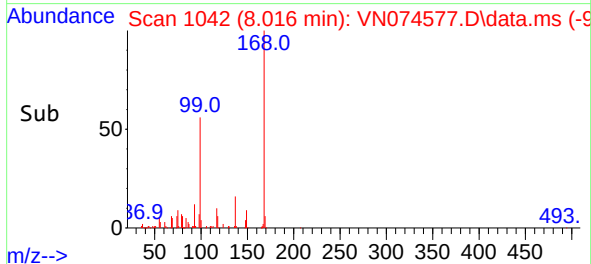
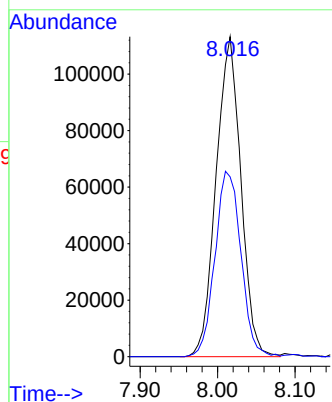
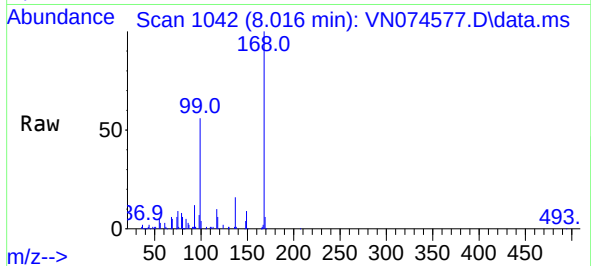




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

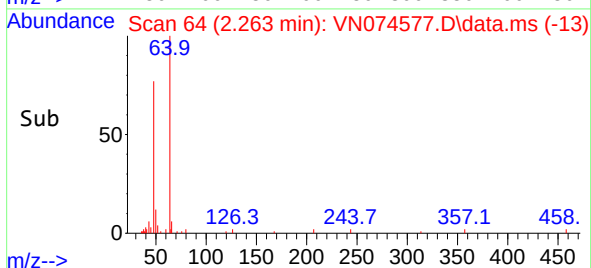
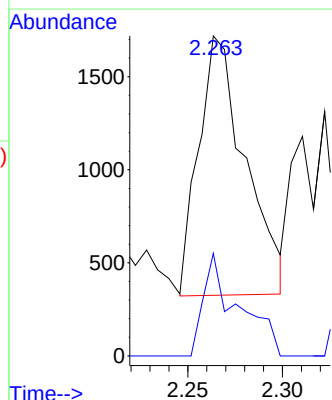
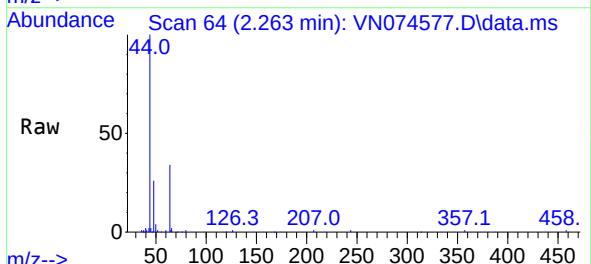
Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

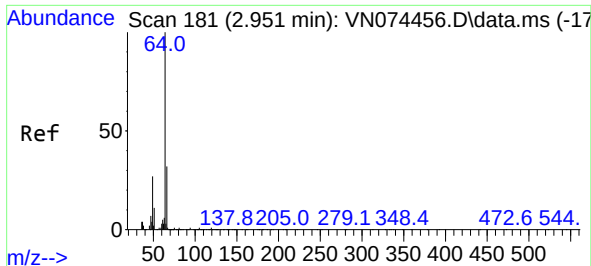
Tgt Ion:168 Resp: 252054
Ion Ratio Lower Upper
168 100
99 56.2 42.3 63.5



#3
Chloromethane
Concen: 0.773 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

Tgt Ion: 50 Resp: 2389
Ion Ratio Lower Upper
50 100
52 39.7 25.7 38.5#

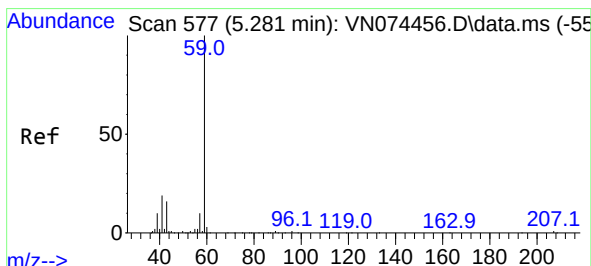
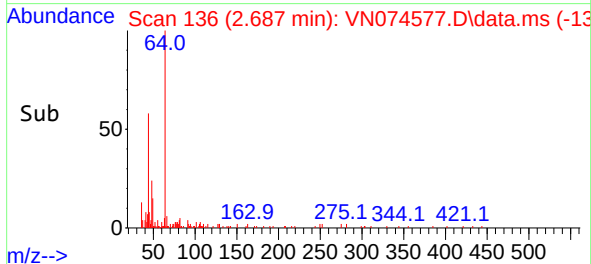
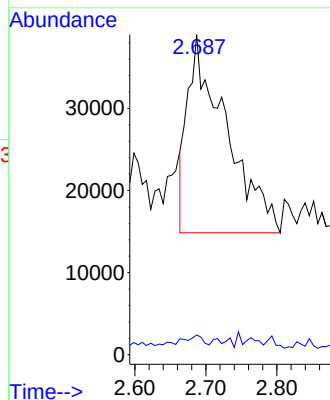
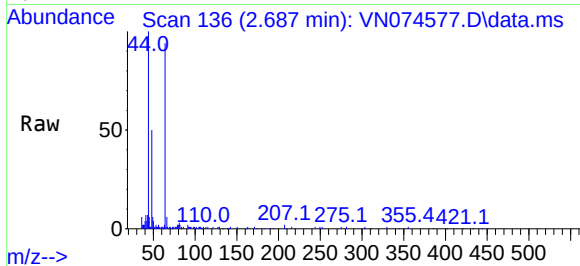




#6
Chloroethane
Concen: 26.903 ug/l
RT: 2.687 min Scan# 11
Delta R.T. -0.264 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

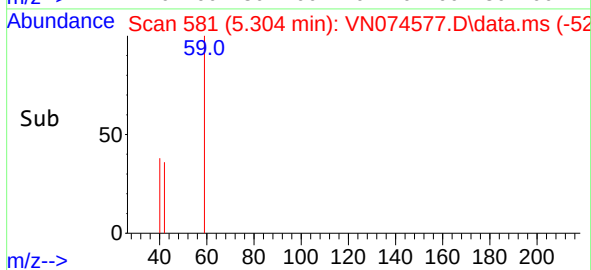
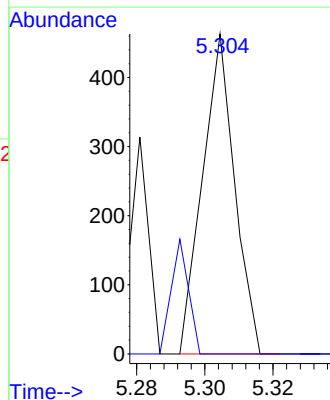
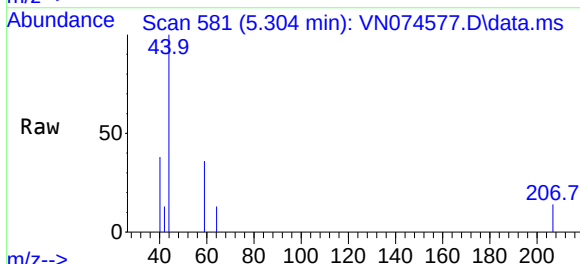
Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

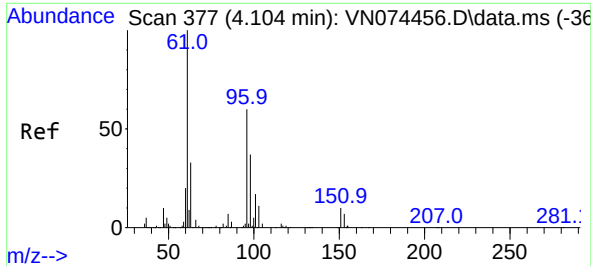
Tgt Ion: 64 Resp: 90738
Ion Ratio Lower Upper
64 100
66 5.2 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.217 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.023 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

Tgt Ion: 59 Resp: 303
Ion Ratio Lower Upper
59 100
57 19.5 8.3 12.5#

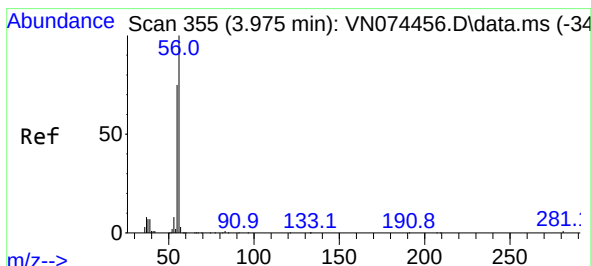
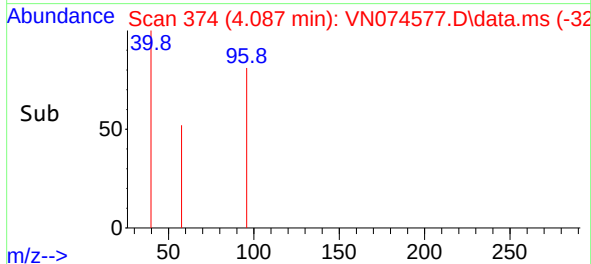
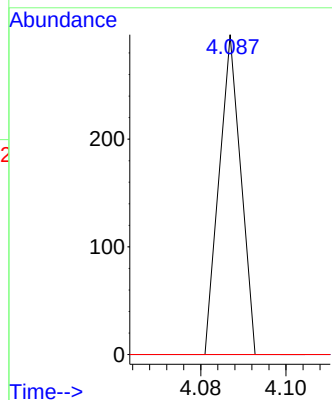
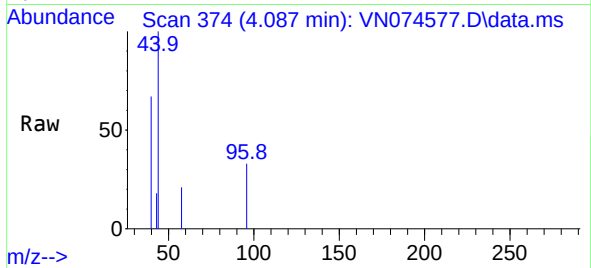




#12
1,1-Dichloroethene
Concen: 0.716 ug/l
RT: 4.087 min Scan# 31
Delta R.T. -0.017 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

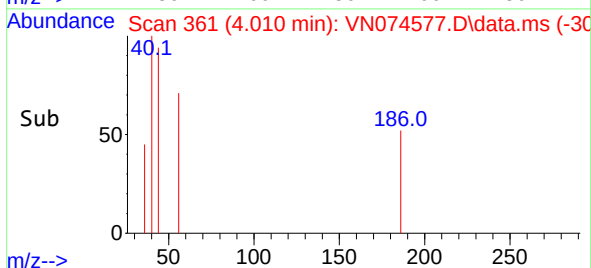
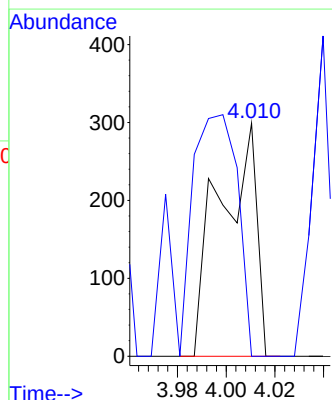
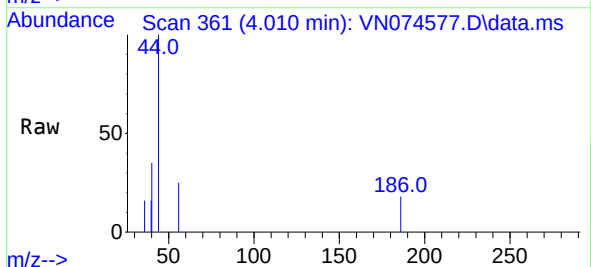
Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

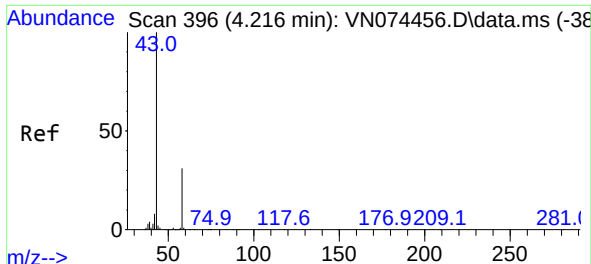
Tgt Ion: 96 Resp: 105
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#



#13
Acrolein
Concen: 0.619 ug/l
RT: 4.010 min Scan# 361
Delta R.T. 0.035 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

Tgt Ion: 56 Resp: 315
Ion Ratio Lower Upper
56 100
55 148.3 54.8 82.2#

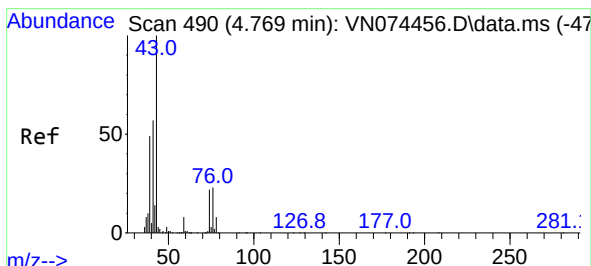
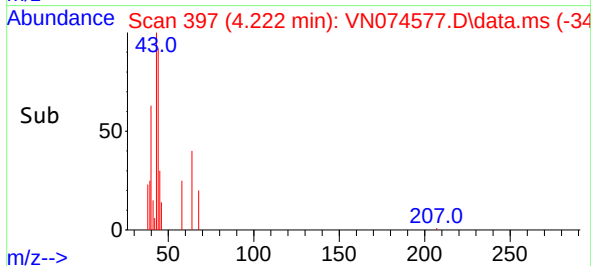
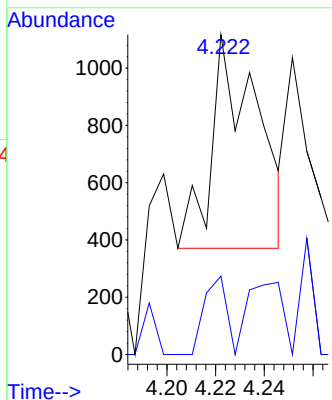
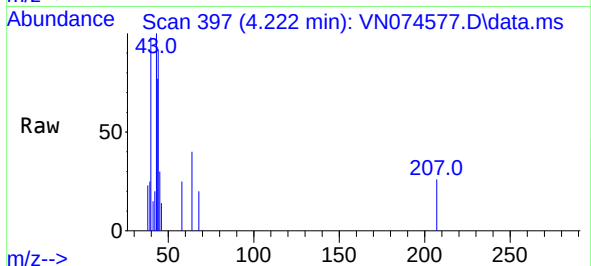




#16
Acetone
Concen: 0.356 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

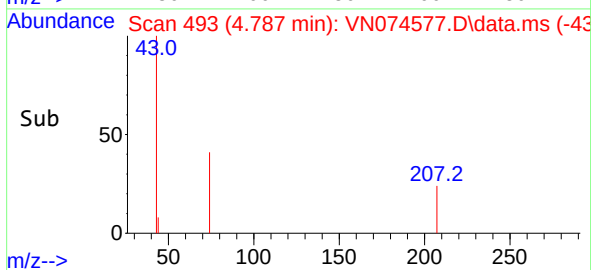
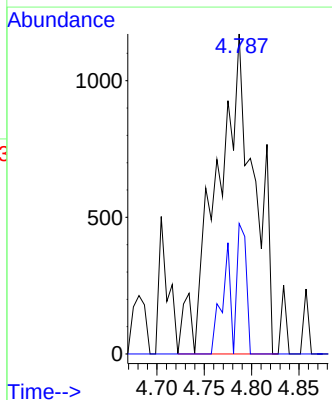
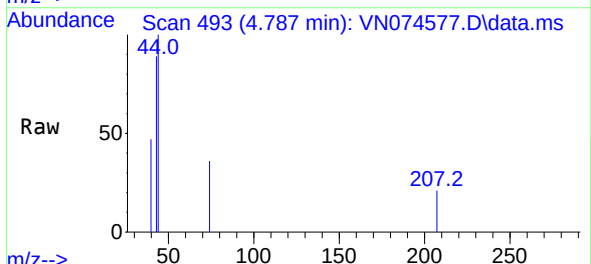
Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

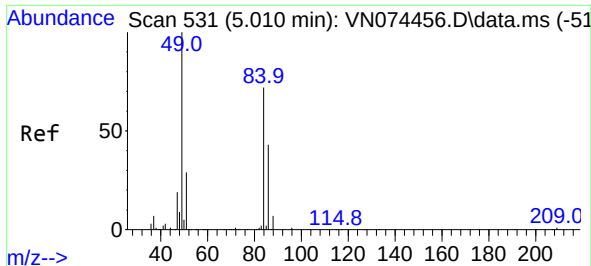
Tgt Ion: 43 Resp: 973
Ion Ratio Lower Upper
43 100
58 36.7 26.0 39.0



#18
Methyl Acetate
Concen: 0.379 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.018 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

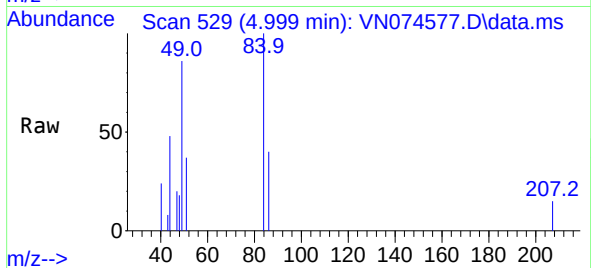
Tgt Ion: 43 Resp: 3221
Ion Ratio Lower Upper
43 100
74 9.9 21.6 32.4#



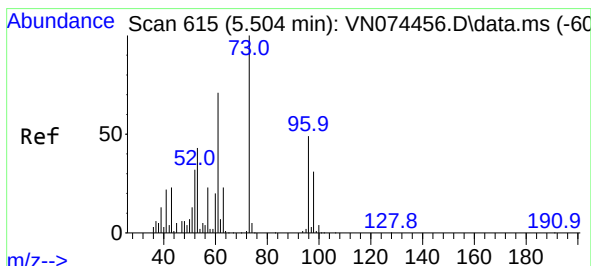
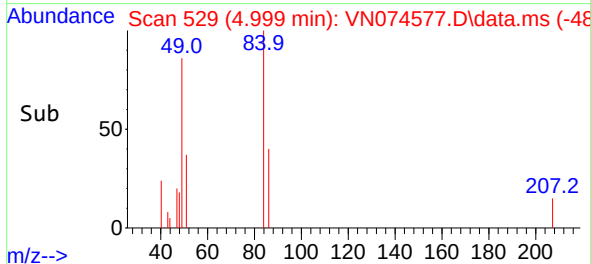
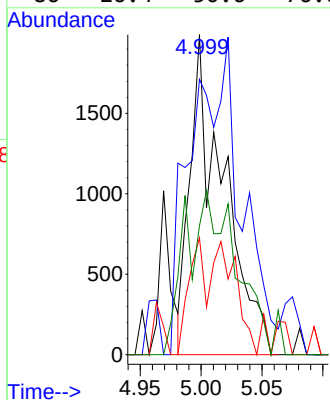


#20
Methylene Chloride
Concen: 0.936 ug/l
RT: 4.999 min Scan# 51
Delta R.T. -0.011 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

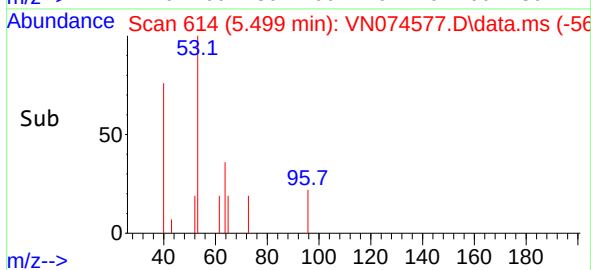
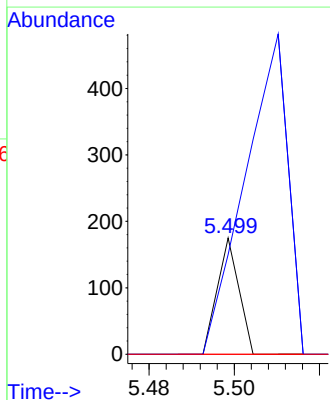
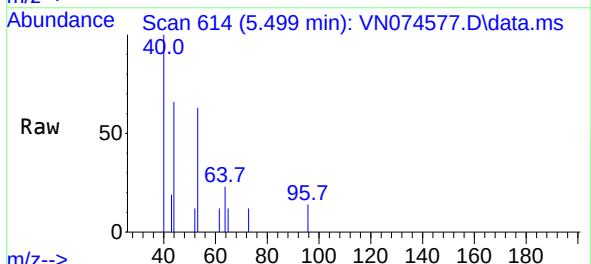


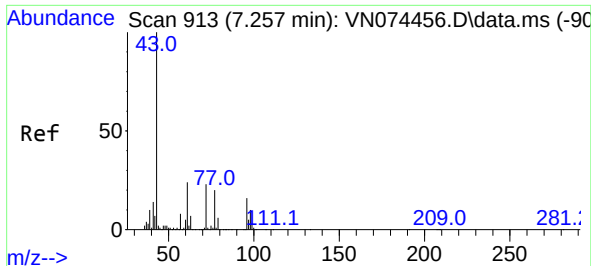
Tgt Ion: 84 Resp: 3786
Ion Ratio Lower Upper
84 100
49 78.1 88.3 132.5#
51 36.5 28.2 42.2
86 26.4 50.6 76.0#



#21
trans-1,2-Dichloroethene
Concen: 0.446 ug/l
RT: 5.499 min Scan# 614
Delta R.T. -0.005 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

Tgt Ion: 96 Resp: 62
Ion Ratio Lower Upper
96 100
61 85.7 105.8 158.8#
98 0.0 50.3 75.5#





#25

2-Butanone

Concen: 0.703 ug/l

RT: 7.234 min Scan# 909

Delta R.T. -0.023 min

Lab File: VN074577.D

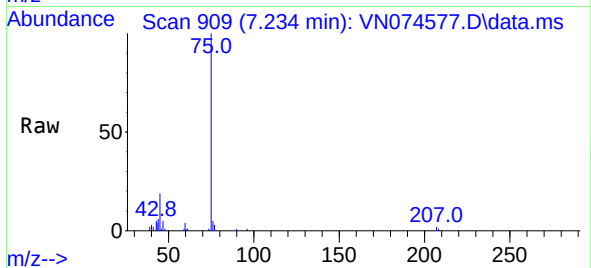
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Instrument :

MSVOA_N

ClientSampleId :

VN0919MBL01

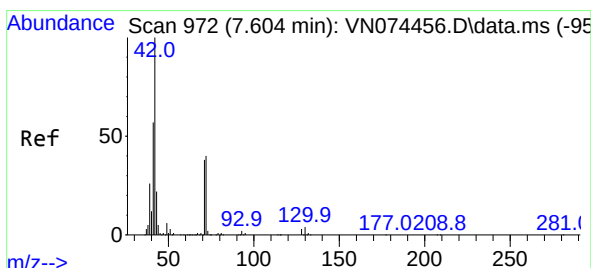
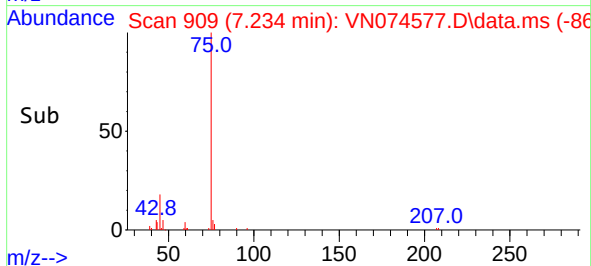
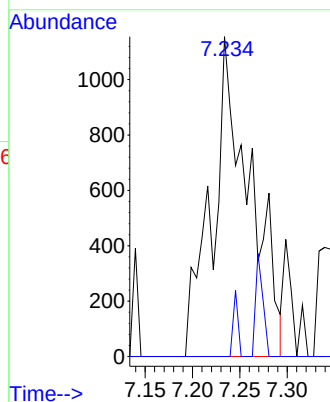


Tgt Ion: 43 Resp: 3192

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.427 ug/l

RT: 7.622 min Scan# 975

Delta R.T. 0.018 min

Lab File: VN074577.D

Acq: 19 Sep 2022 11:25

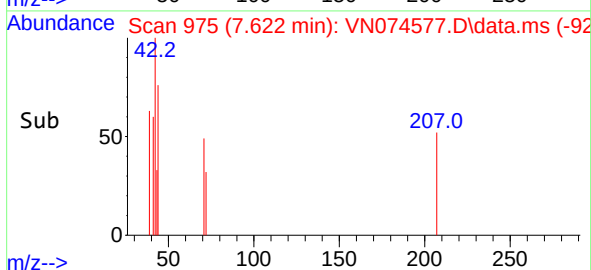
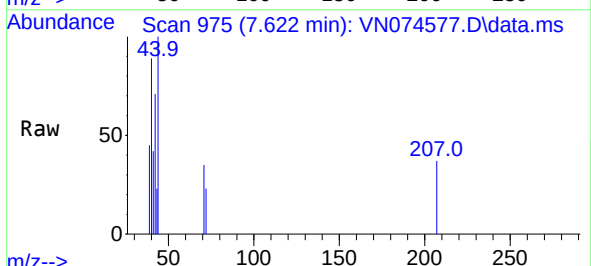
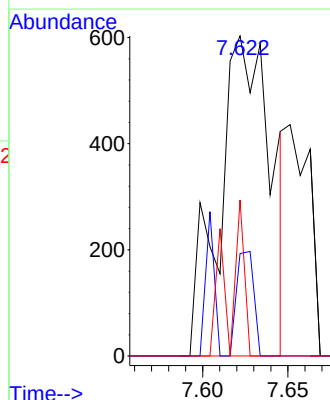
Tgt Ion: 42 Resp: 1277

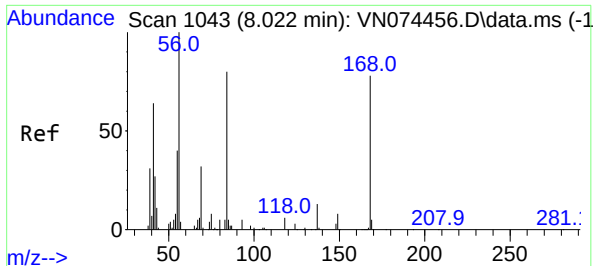
Ion Ratio Lower Upper

42 100

72 10.8 39.7 59.5#

71 0.0 36.6 55.0#





#31

Cyclohexane

Concen: 1.108 ug/l

RT: 8.022 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN074577.D

Acq: 19 Sep 2022 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0919MBL01

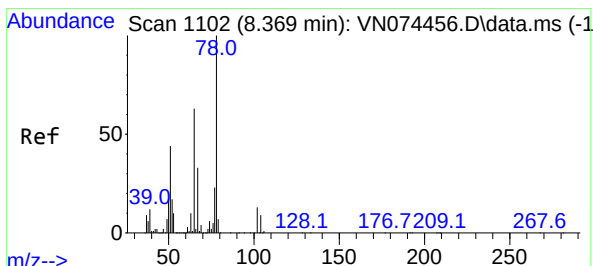
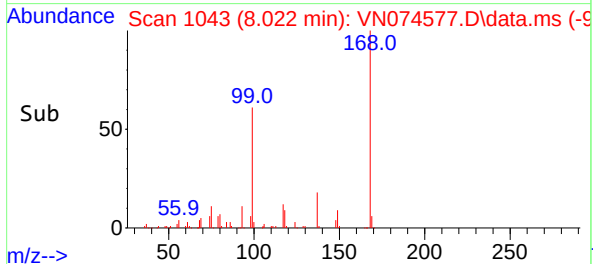
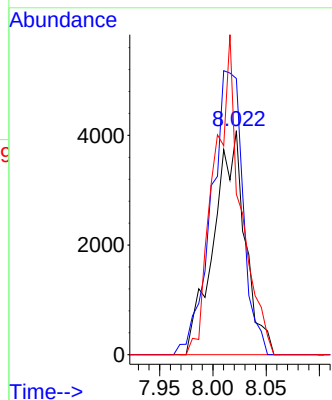
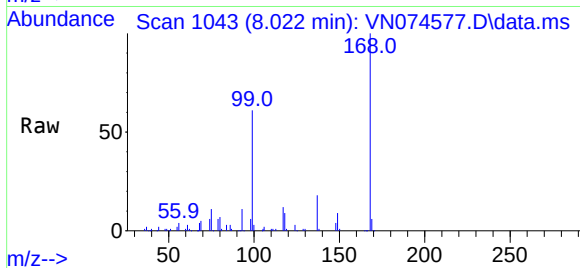
Tgt Ion: 56 Resp: 8412

Ion Ratio Lower Upper

56 100

69 123.3 27.8 41.8#

84 71.7 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 48.520 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074577.D

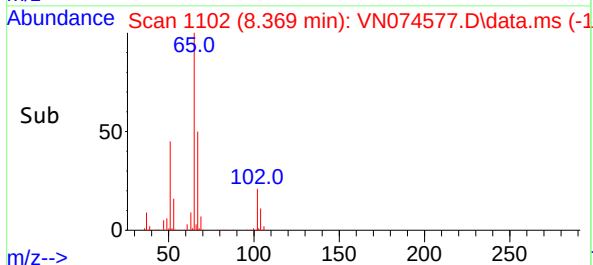
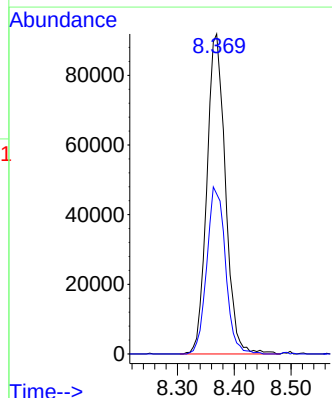
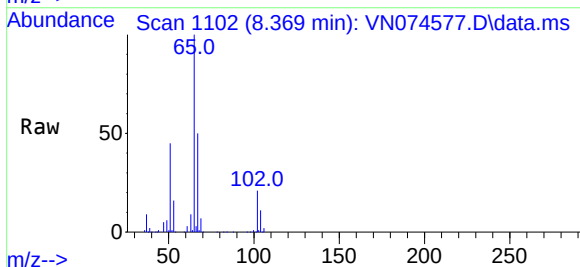
Acq: 19 Sep 2022 11:25

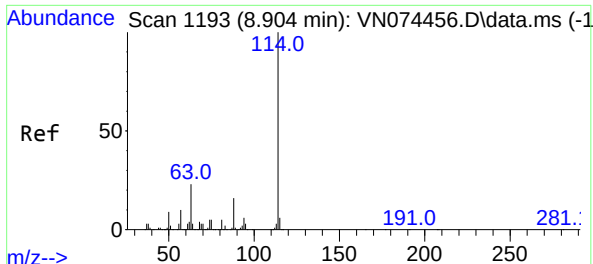
Tgt Ion: 65 Resp: 207504

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.8



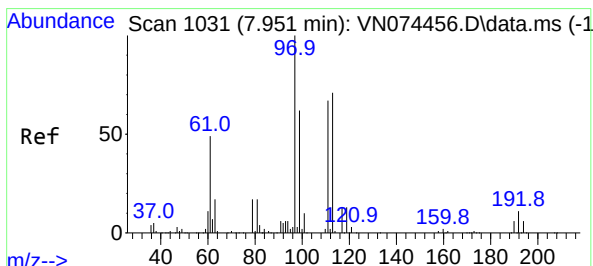
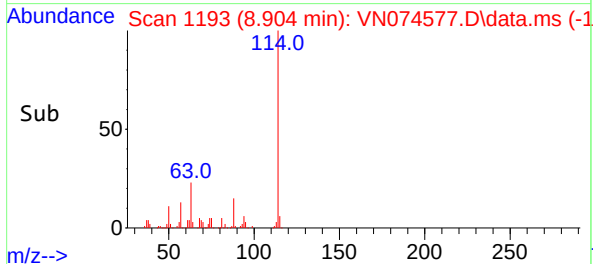
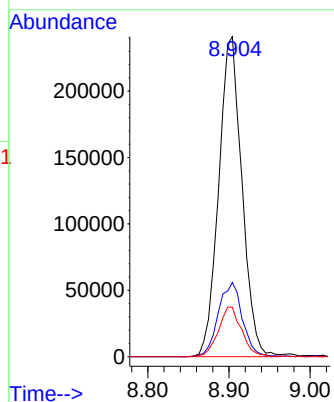
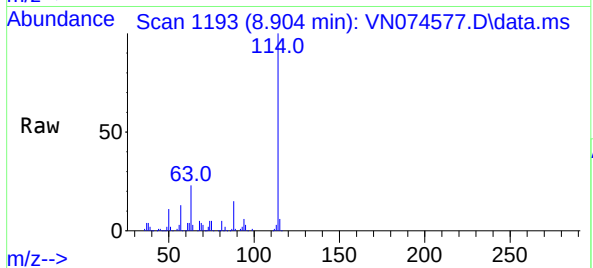


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

Tgt Ion:114 Resp: 480054

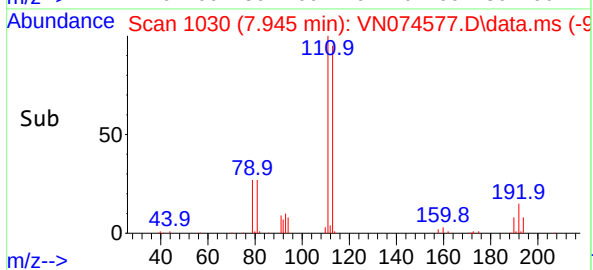
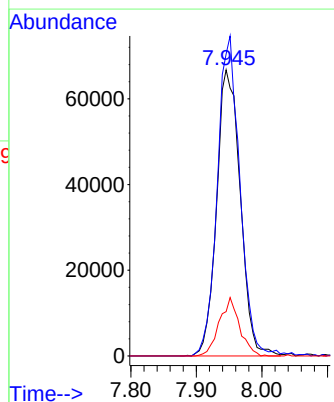
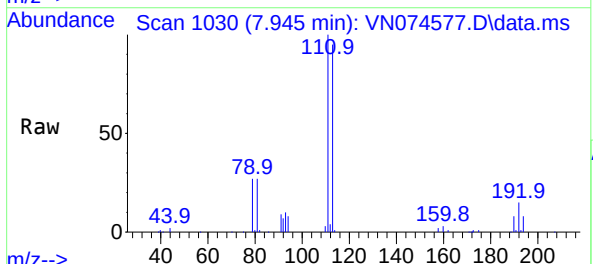
Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	40.0
88	15.5	0.0	32.6

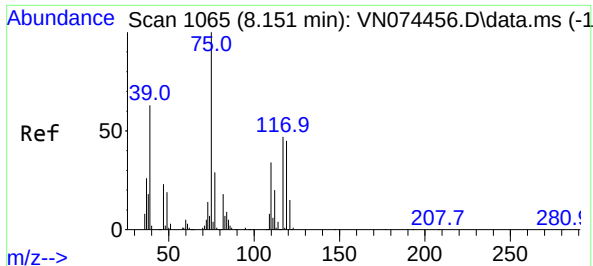


#35
Dibromofluoromethane
Concen: 52.386 ug/l
RT: 7.945 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

Tgt Ion:113 Resp: 167055

Ion	Ratio	Lower	Upper
113	100		
111	107.2	81.4	122.0
192	17.5	17.0	25.6

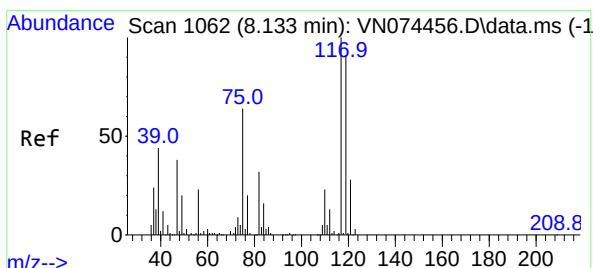
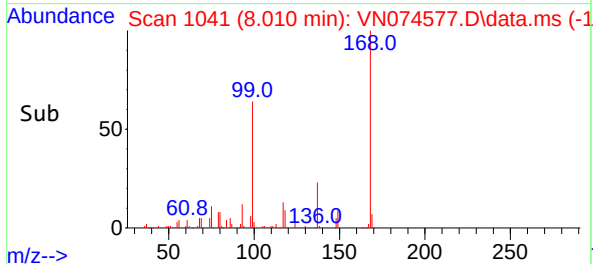
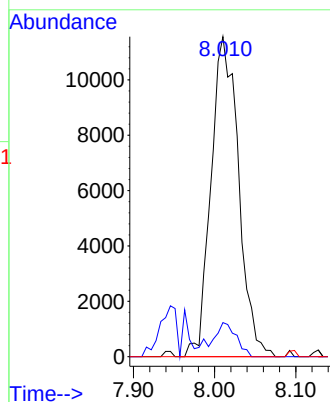
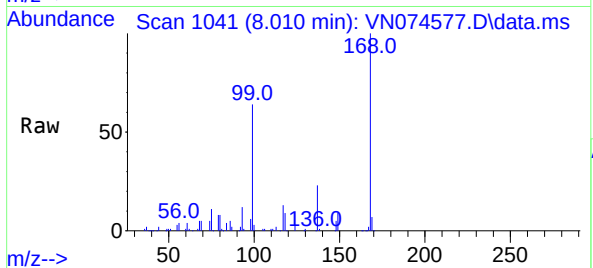




#36
1,1-Dichloropropene
Concen: 4.835 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

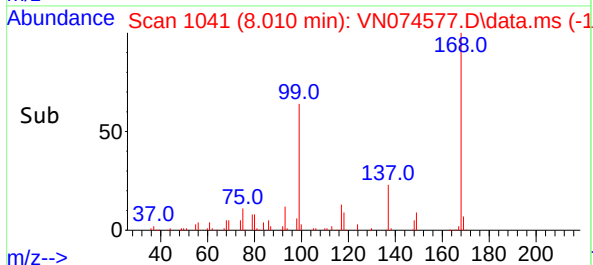
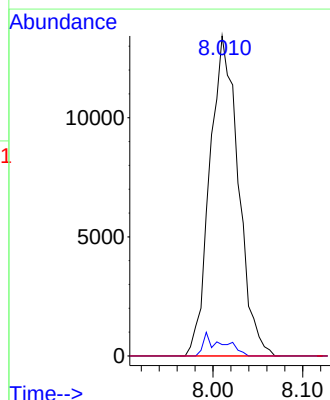
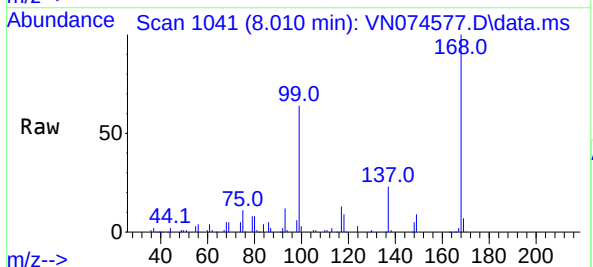
Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

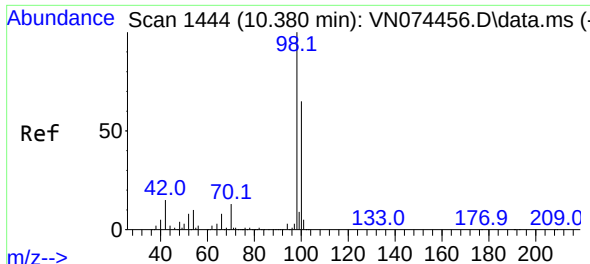
Tgt Ion: 75 Resp: 27291
Ion Ratio Lower Upper
75 100
110 9.1 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.707 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.123 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

Tgt Ion: 117 Resp: 29741
Ion Ratio Lower Upper
117 100
119 3.6 75.8 113.8#
121 0.0 24.6 37.0#

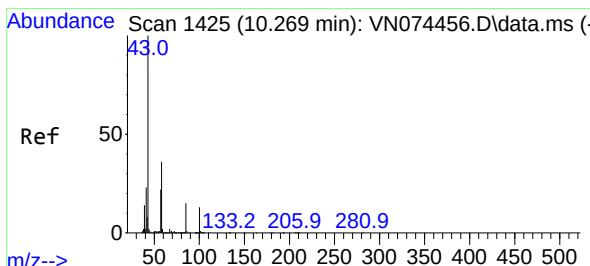
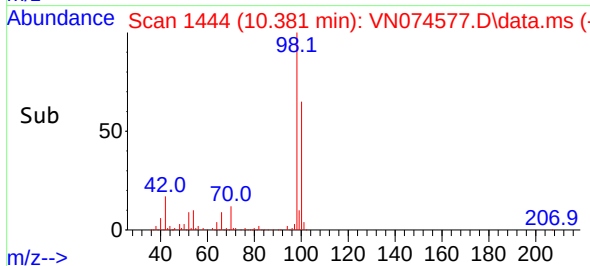
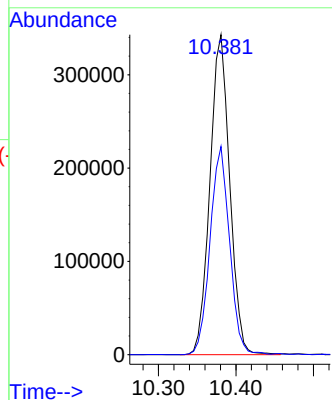
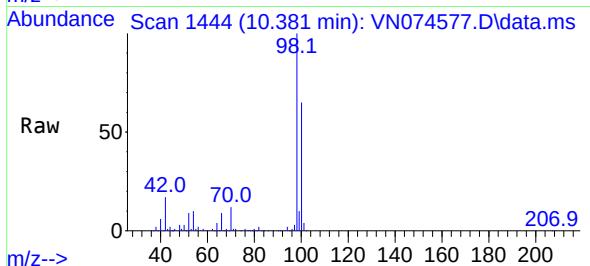




#50
Toluene-d8
Concen: 49.341 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

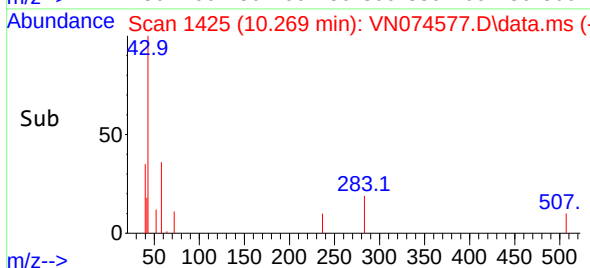
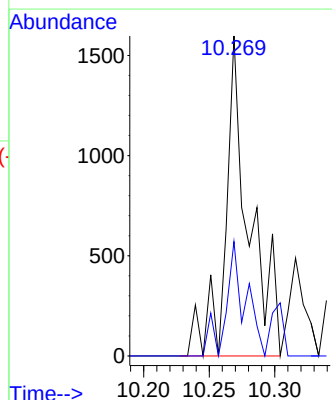
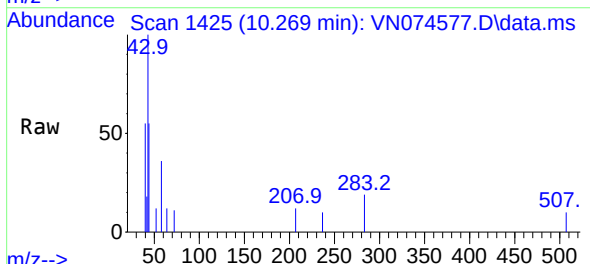
Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

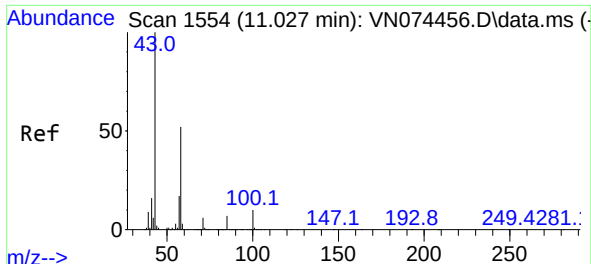
Tgt Ion: 98 Resp: 608505
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.225 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

Tgt Ion: 43 Resp: 2005
Ion Ratio Lower Upper
43 100
58 29.5 34.1 51.1#





#59

2-Hexanone

Concen: 0.532 ug/l

RT: 11.033 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN074577.D

Acq: 19 Sep 2022 11:25

Instrument :

MSVOA_N

ClientSampleId :

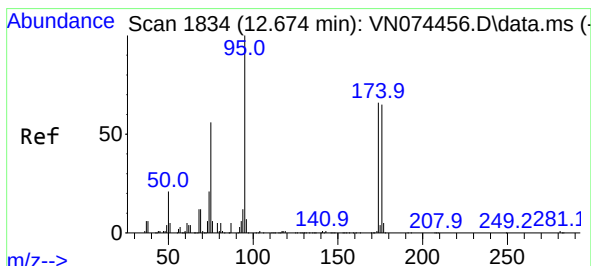
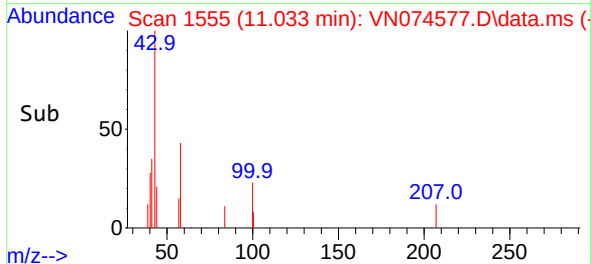
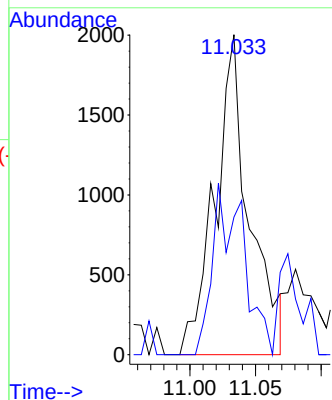
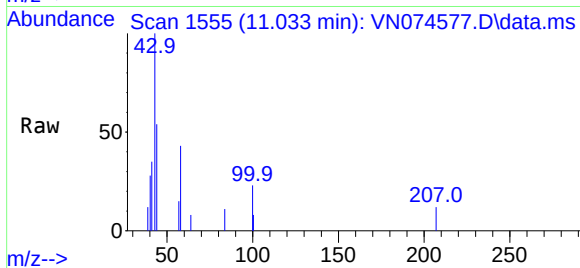
VN0919MBL01

Tgt Ion: 43 Resp: 3621

Ion Ratio Lower Upper

43 100

58 48.4 29.7 89.1



#62

4-Bromofluorobenzene

Concen: 52.954 ug/l

RT: 12.675 min Scan# 1834

Delta R.T. 0.001 min

Lab File: VN074577.D

Acq: 19 Sep 2022 11:25

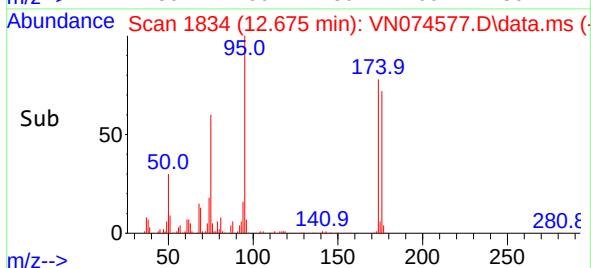
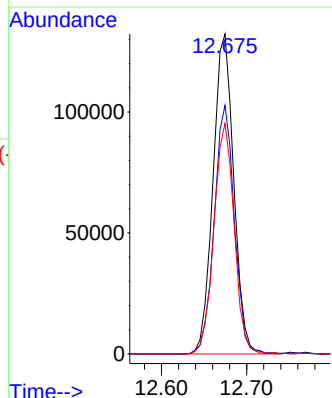
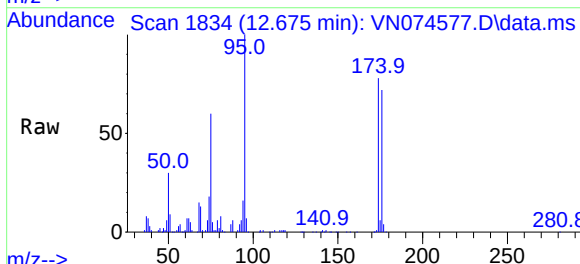
Tgt Ion: 95 Resp: 223673

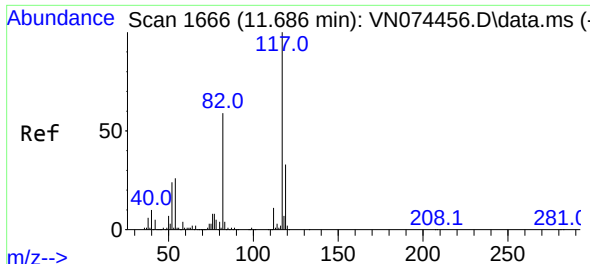
Ion Ratio Lower Upper

95 100

174 75.9 0.0 167.6

176 70.6 0.0 163.4

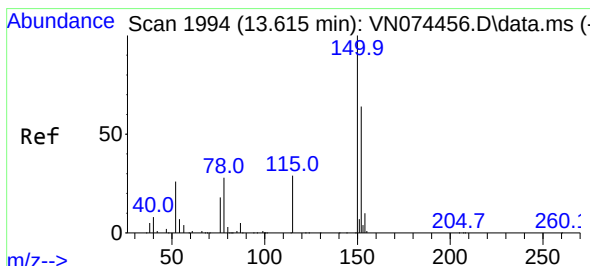
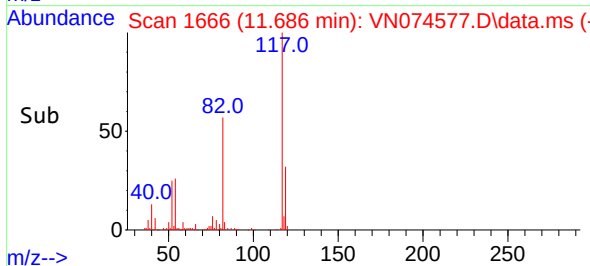
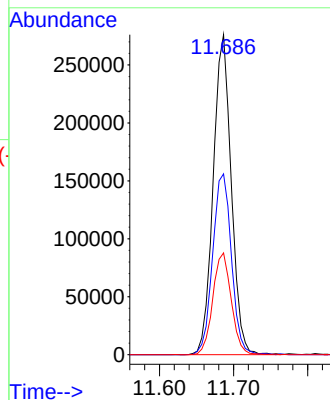
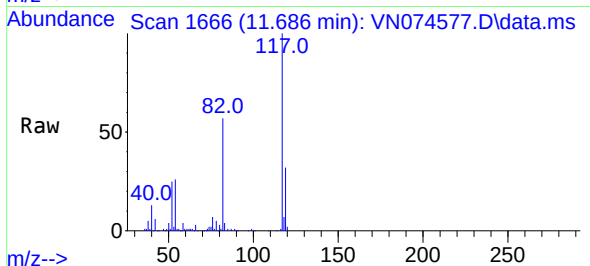




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

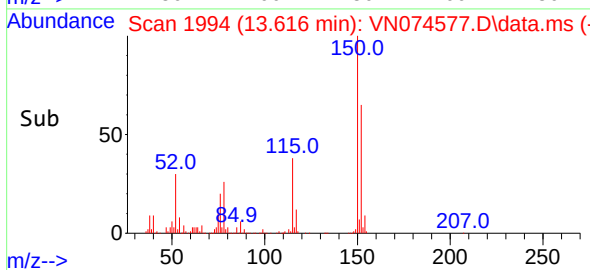
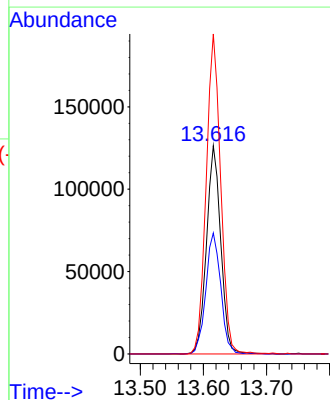
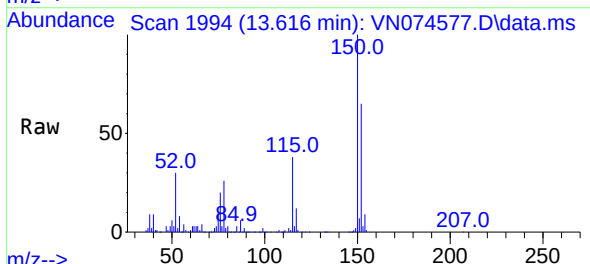
Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

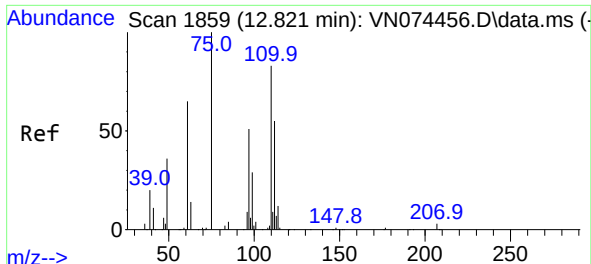
Tgt Ion:117 Resp: 467812
Ion Ratio Lower Upper
117 100
82 56.5 44.2 66.2
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

Tgt Ion:152 Resp: 198967
Ion Ratio Lower Upper
152 100
115 60.7 28.9 86.7
150 155.1 0.0 356.2

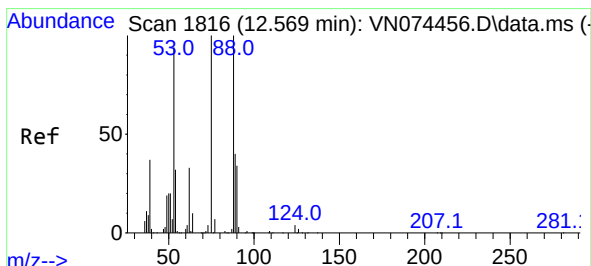
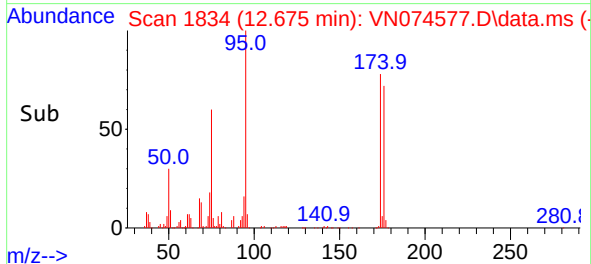
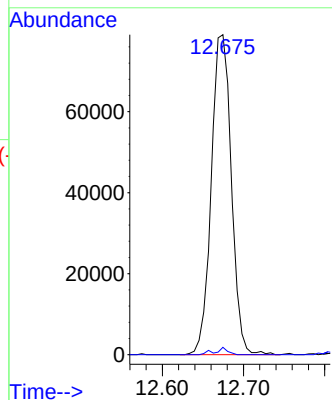
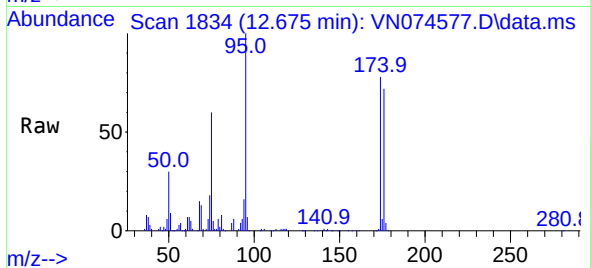




#76
1,2,3-Trichloropropane
Concen: 22.117 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. -0.146 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

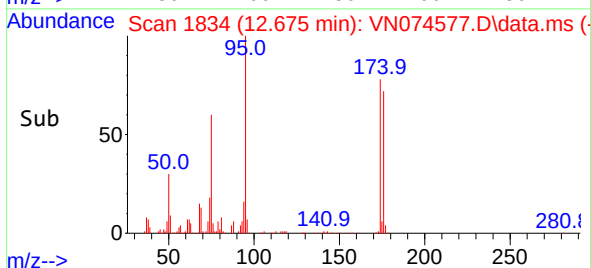
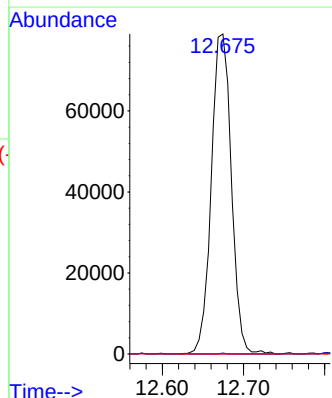
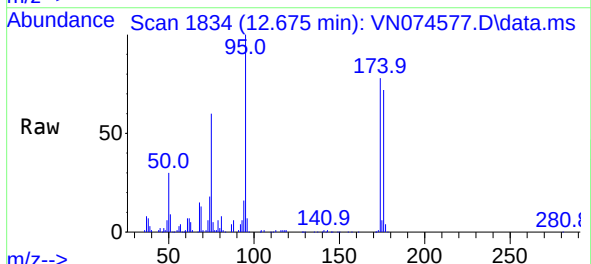
Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

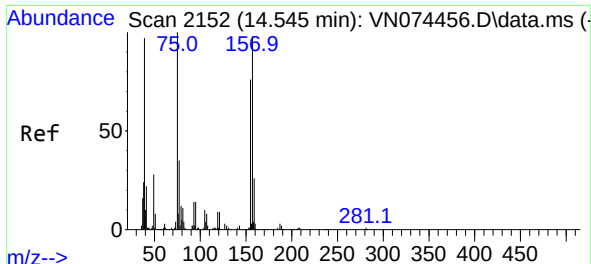
Tgt Ion: 75 Resp: 135454
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 47.736 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

Tgt Ion: 75 Resp: 135454
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

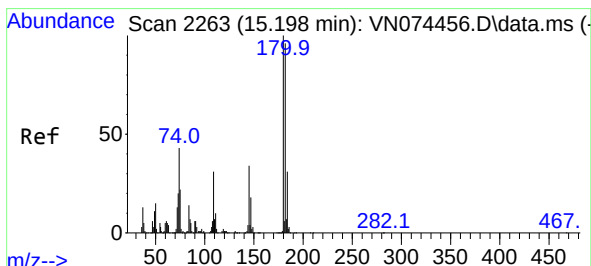
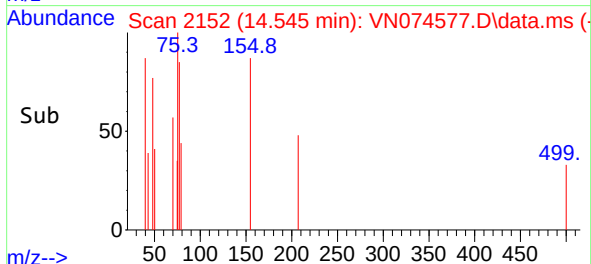
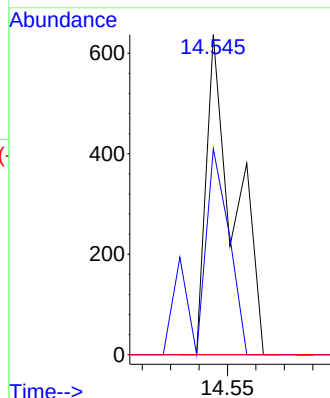
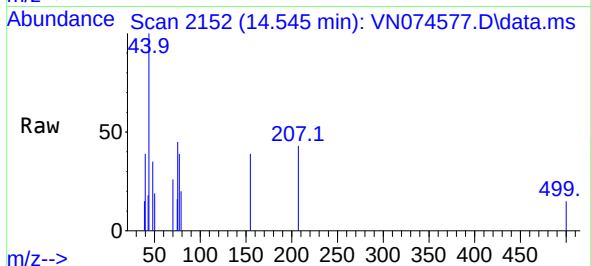




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.241 ug/l
 RT: 14.545 min Scan# 2152
 Delta R.T. 0.000 min
 Lab File: VN074577.D
 Acq: 19 Sep 2022 11:25

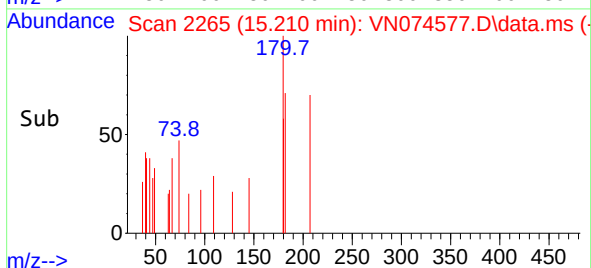
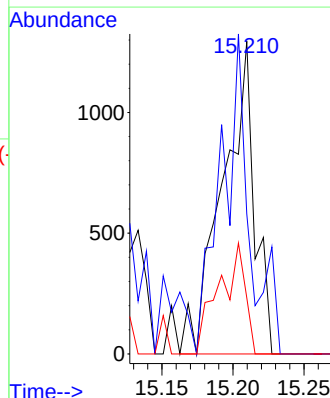
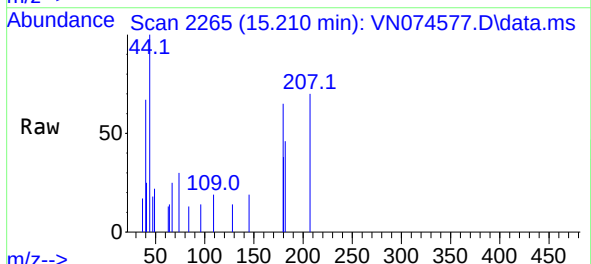
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919MBL01

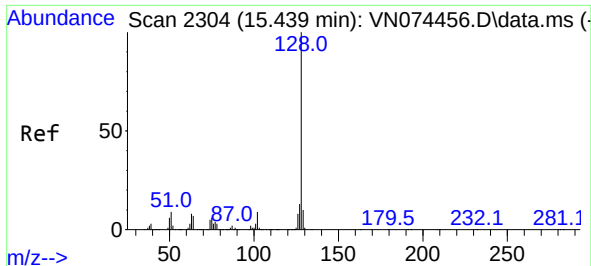
Tgt Ion: 75 Resp: 435
 Ion Ratio Lower Upper
 75 100
 155 68.0 44.9 134.5
 157 0.0 59.0 176.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.510 ug/l
 RT: 15.210 min Scan# 2265
 Delta R.T. 0.012 min
 Lab File: VN074577.D
 Acq: 19 Sep 2022 11:25

Tgt Ion: 180 Resp: 2014
 Ion Ratio Lower Upper
 180 100
 182 90.5 47.5 142.5
 145 29.4 14.5 43.5

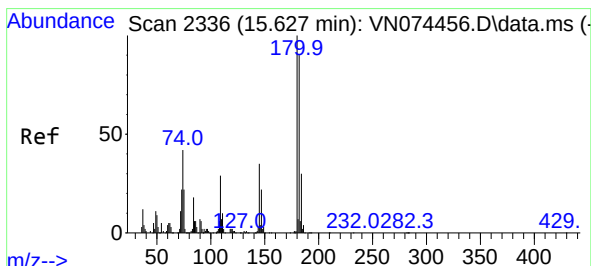
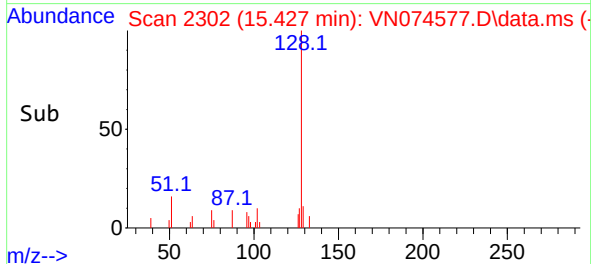
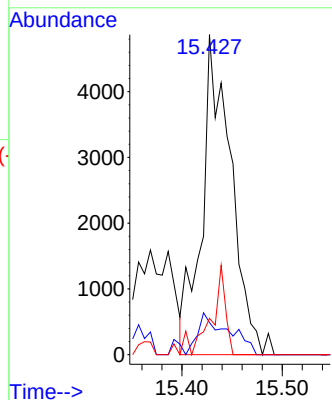
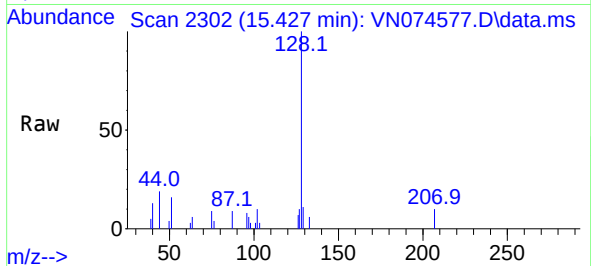




#95
Naphthalene
Concen: 2.149 ug/l
RT: 15.427 min Scan# 21
Delta R.T. -0.012 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

Tgt Ion:	128	Resp:	9846
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.3	15.5
129	12.6	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.756 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VN074577.D
Acq: 19 Sep 2022 11:25

Tgt Ion:	180	Resp:	1766
Ion	Ratio	Lower	Upper
180	100		
182	136.7	47.8	143.3
145	28.1	15.5	46.5

