

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
 Data File : VN074587.D
 Acq On : 19 Sep 2022 15:39
 Operator : JC\MD
 Sample : N4647-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 04:20:05 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)

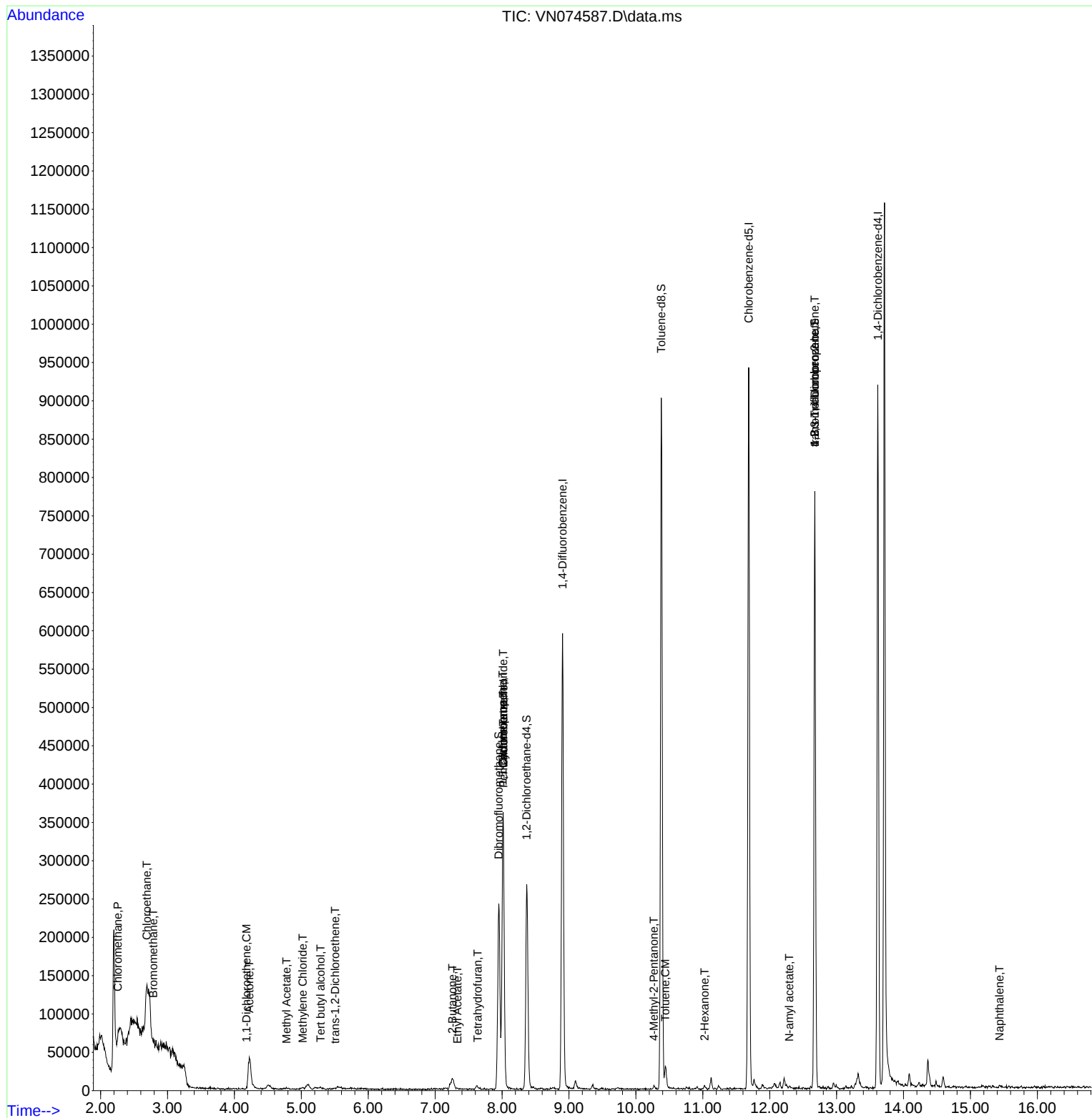
Internal Standards						
1) Pentafluorobenzene	8.022	168	244005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	472326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	484263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	211078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	197644	47.739	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.480%		
35) Dibromofluoromethane	7.951	113	162624	51.831	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.660%		
50) Toluene-d8	10.380	98	593587	48.919	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.840%		
62) 4-Bromofluorobenzene	12.674	95	226626	54.531	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.060%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.257	50	2778	0.877	ug/l #	68
5) Bromomethane	2.787	94	643	0.255	ug/l	93
6) Chloroethane	2.693	64	24947	7.641	ug/l #	44
11) Tert butyl alcohol	5.287	59	670	0.497	ug/l #	94
12) 1,1-Dichloroethene	4.181	96	99	0.715	ug/l #	1
16) Acetone	4.222	43	77735	29.342	ug/l	90
18) Methyl Acetate	4.781	43	2579	0.313	ug/l #	75
20) Methylene Chloride	5.022	84	797	0.228	ug/l #	58
21) trans-1,2-Dichloroethene	5.504	96	58	0.445	ug/l #	1
25) 2-Butanone	7.257	43	17164	3.902	ug/l #	68
29) Tetrahydrofuran	7.634	42	3880	1.342	ug/l #	69
31) Cyclohexane	8.016	56	9830	1.338	ug/l #	48
36) 1,1-Dichloropropene	8.010	75	25974	4.677	ug/l #	51
37) Ethyl Acetate	7.334	43	1816	0.212	ug/l #	70
38) Carbon Tetrachloride	8.016	117	27780	5.418	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	4054	0.462	ug/l #	73
52) Toluene	10.439	92	10337	1.026	ug/l	100
59) 2-Hexanone	11.027	43	3754	0.561	ug/l #	57
74) N-amyl acetate	12.292	43	3634	0.269	ug/l #	42
76) 1,2,3-Trichloropropane	12.674	75	136261	20.973	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	136261	45.265	ug/l #	10
95) Naphthalene	15.433	128	2234	1.709	ug/l #	75

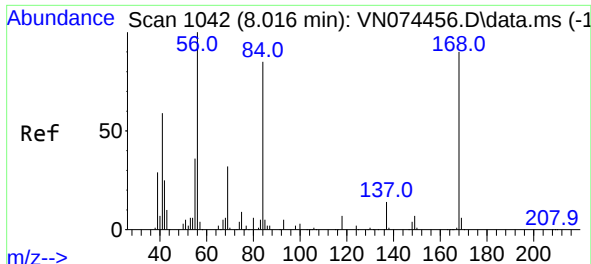
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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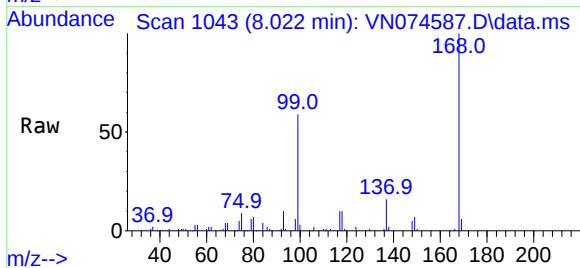
Quant Time: Sep 20 04:20:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
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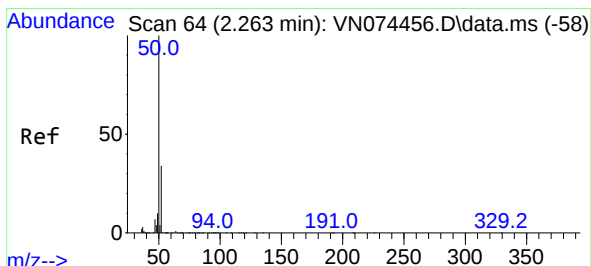
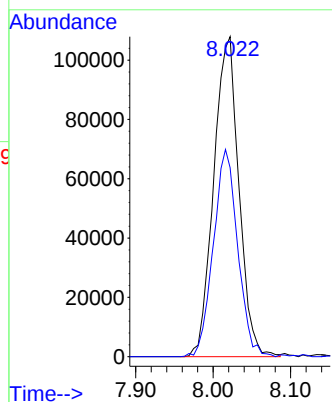
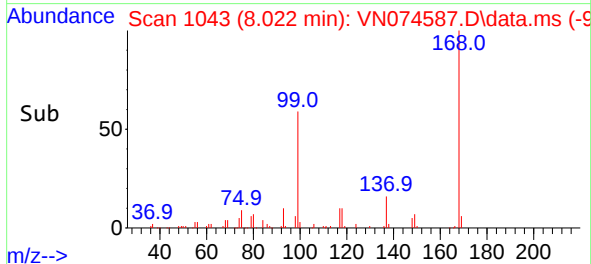


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Instrument :
MSVOA_N
ClientSampleId :

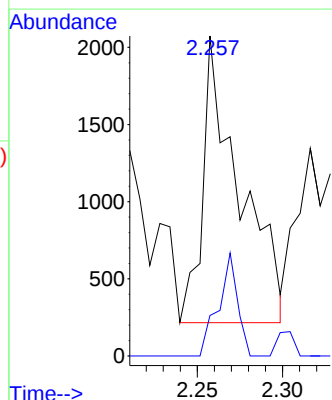
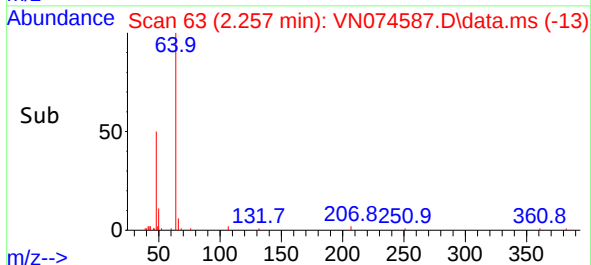
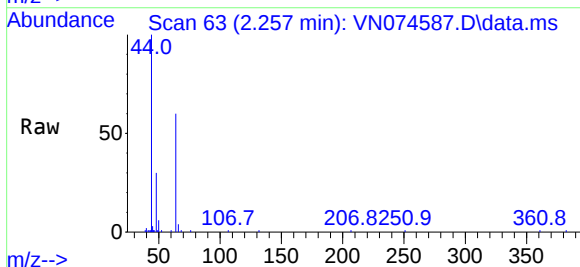


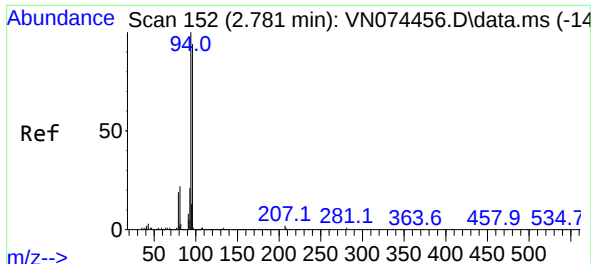
Tgt Ion:168 Resp: 244005
Ion Ratio Lower Upper
168 100
99 59.0 42.3 63.5



#3
Chloromethane
Concen: 0.877 ug/l
RT: 2.257 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Tgt Ion: 50 Resp: 2778
Ion Ratio Lower Upper
50 100
52 14.2 25.7 38.5#

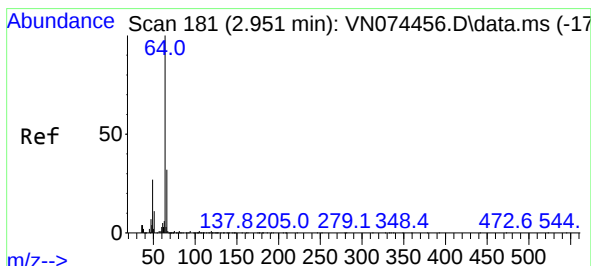
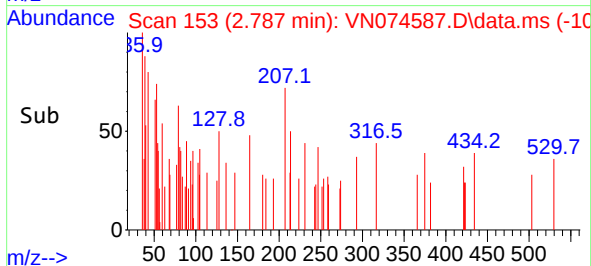
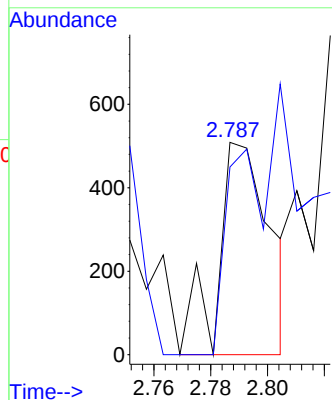
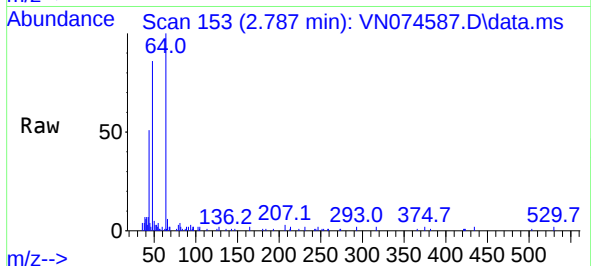




#5
Bromomethane
Concen: 0.255 ug/l
RT: 2.787 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

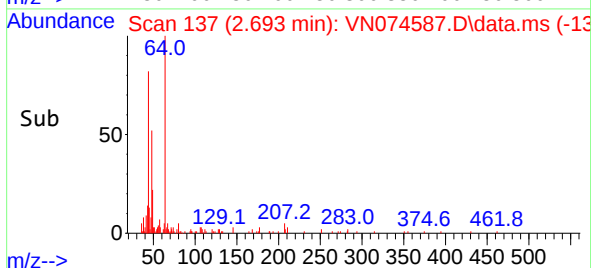
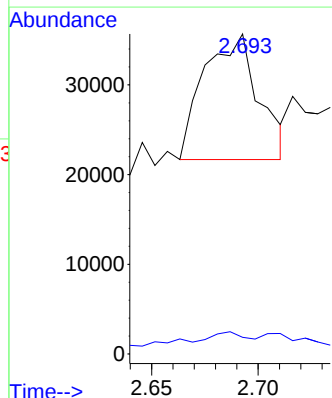
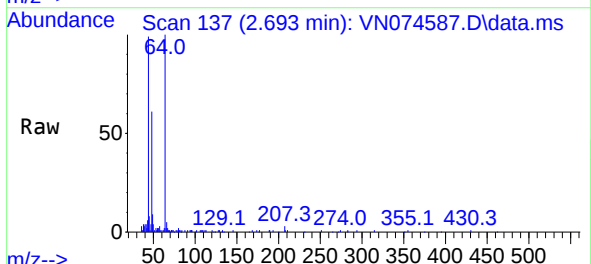
Instrument :
MSVOA_N
ClientSampleId :

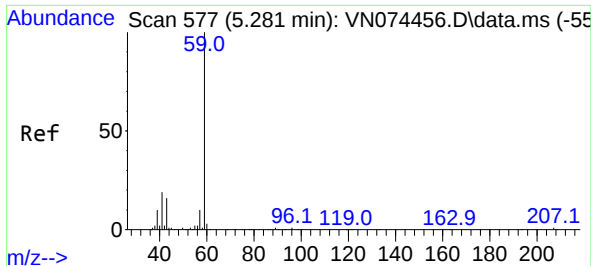
Tgt Ion: 94 Resp: 643
Ion Ratio Lower Upper
94 100
96 88.4 76.0 114.0



#6
Chloroethane
Concen: 7.641 ug/l
RT: 2.693 min Scan# 137
Delta R.T. -0.258 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Tgt Ion: 64 Resp: 24947
Ion Ratio Lower Upper
64 100
66 1.3 26.2 39.4#





#11

Tert butyl alcohol

Concen: 0.497 ug/l

RT: 5.287 min Scan# 51

Delta R.T. 0.006 min

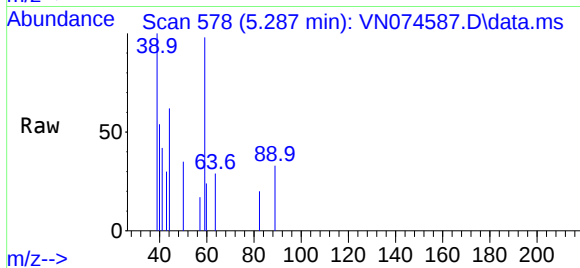
Lab File: VN074587.D

Acq: 19 Sep 2022 15:39

Instrument :

MSVOA_N

ClientSampleId :

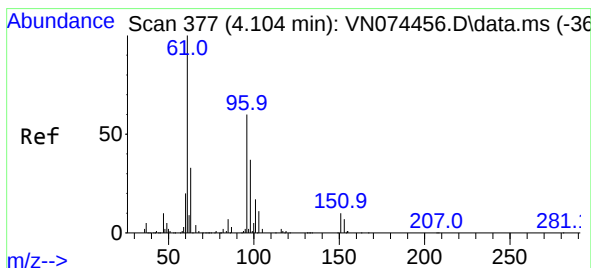
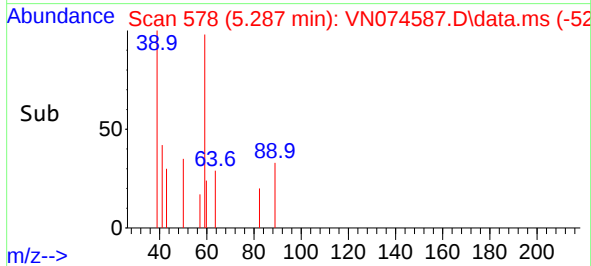
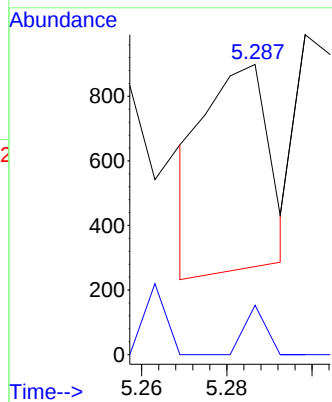


Tgt Ion: 59 Resp: 670

Ion Ratio Lower Upper

59 100

57 8.1 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 0.715 ug/l

RT: 4.181 min Scan# 390

Delta R.T. 0.077 min

Lab File: VN074587.D

Acq: 19 Sep 2022 15:39

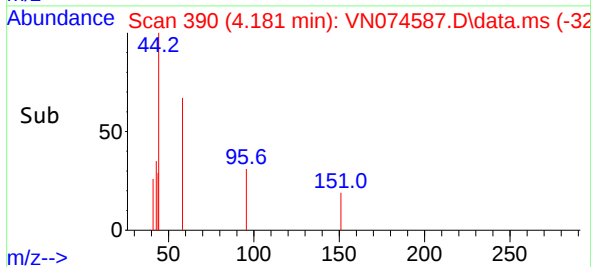
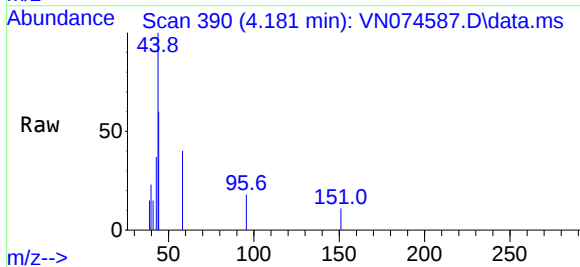
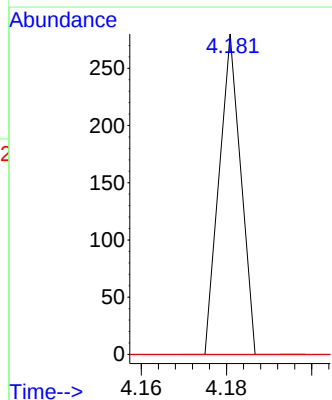
Tgt Ion: 96 Resp: 99

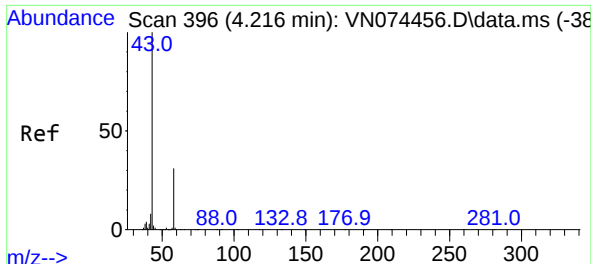
Ion Ratio Lower Upper

96 100

61 0.0 127.6 191.4#

98 0.0 51.2 76.8#

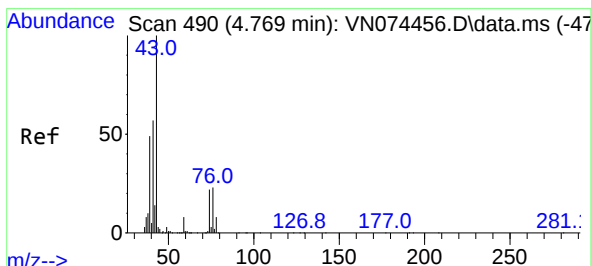
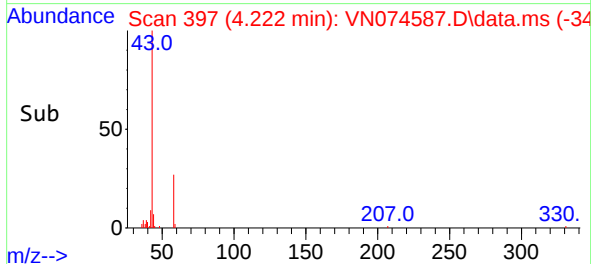
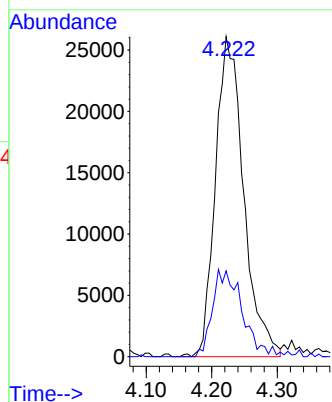
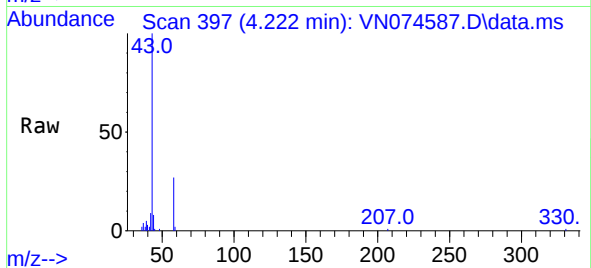




#16
Acetone
Concen: 29.342 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

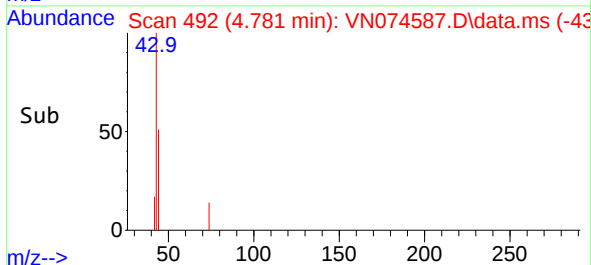
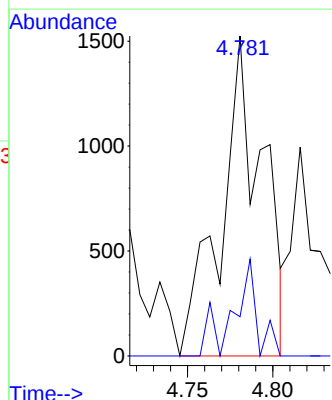
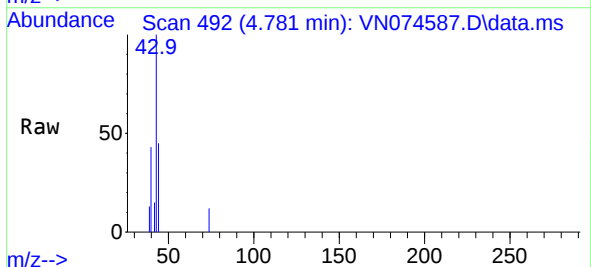
Instrument :
MSVOA_N
ClientSampleId :

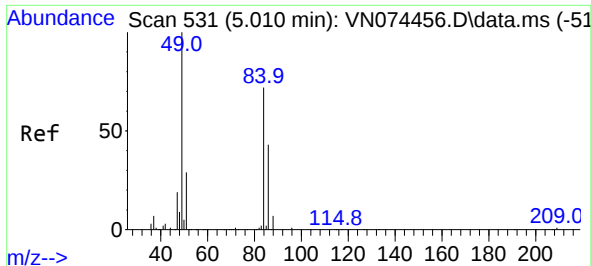
Tgt Ion: 43 Resp: 77735
Ion Ratio Lower Upper
43 100
58 26.8 26.0 39.0



#18
Methyl Acetate
Concen: 0.313 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

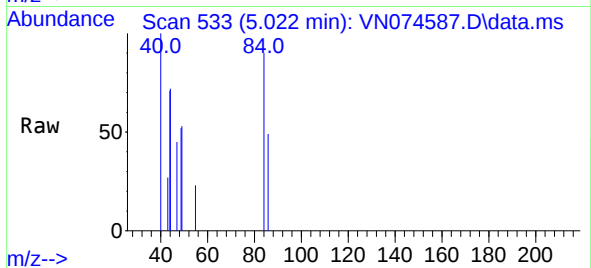
Tgt Ion: 43 Resp: 2579
Ion Ratio Lower Upper
43 100
74 14.2 21.6 32.4#



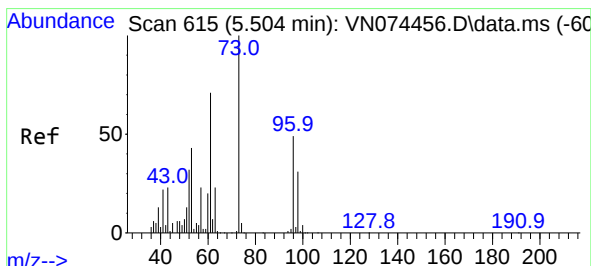
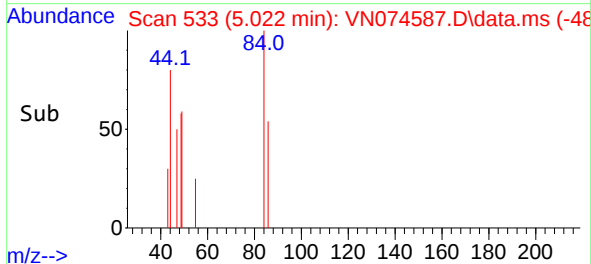
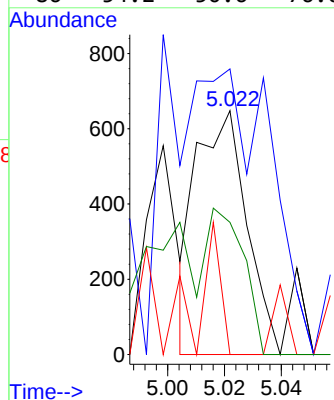


#20
Methylene Chloride
Concen: 0.228 ug/l
RT: 5.022 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Instrument :
MSVOA_N
ClientSampleId :

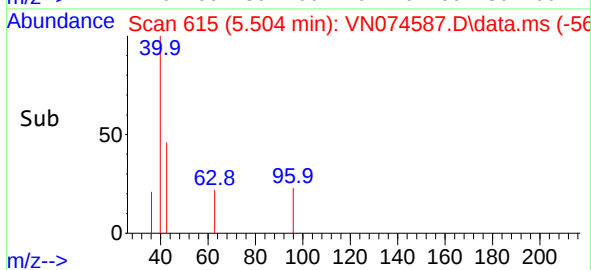
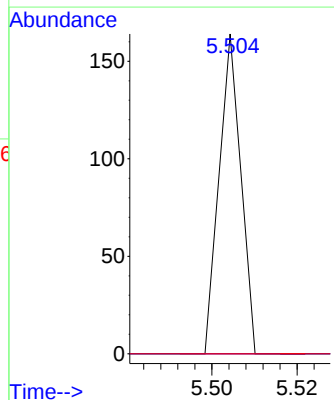
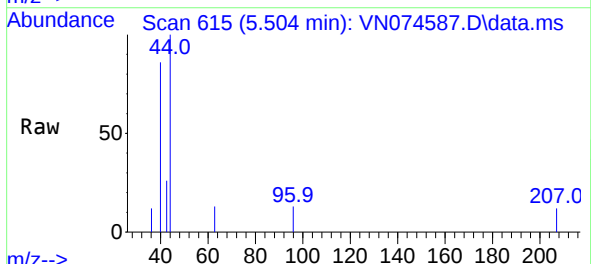


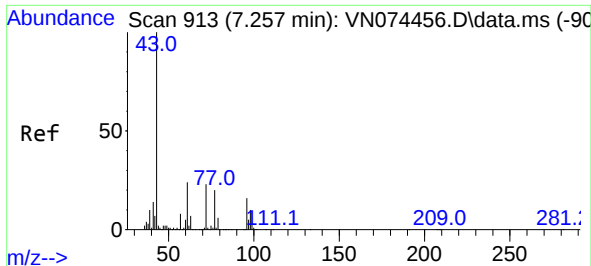
Tgt Ion: 84 Resp: 797
Ion Ratio Lower Upper
84 100
49 53.9 88.3 132.5#
51 0.0 28.2 42.2#
86 54.2 50.6 76.0



#21
trans-1,2-Dichloroethene
Concen: 0.445 ug/l
RT: 5.504 min Scan# 615
Delta R.T. 0.000 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Tgt Ion: 96 Resp: 58
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#





#25

2-Butanone

Concen: 3.902 ug/l

RT: 7.257 min Scan# 913

Delta R.T. 0.000 min

Lab File: VN074587.D

Acq: 19 Sep 2022 15:39

Instrument :

MSVOA_N

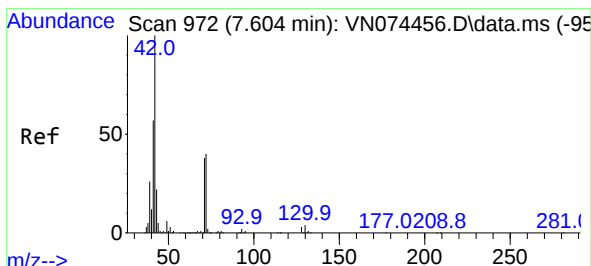
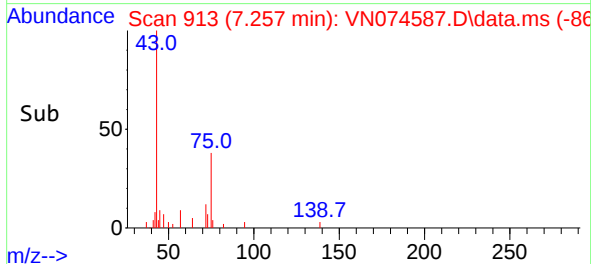
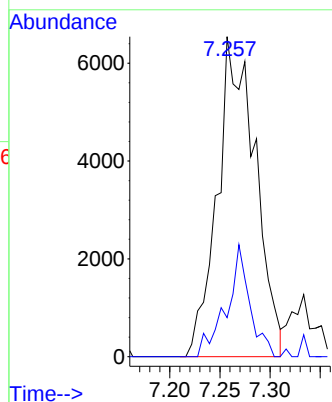
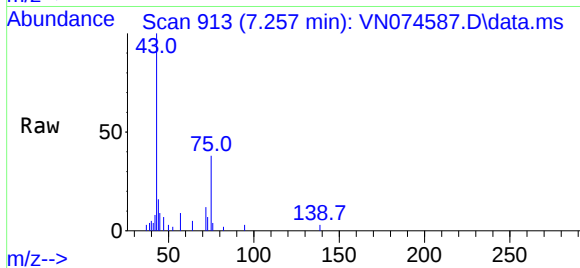
ClientSampleId :

Tgt Ion: 43 Resp: 17164

Ion Ratio Lower Upper

43 100

72 12.2 23.7 35.5#



#29

Tetrahydrofuran

Concen: 1.342 ug/l

RT: 7.634 min Scan# 977

Delta R.T. 0.030 min

Lab File: VN074587.D

Acq: 19 Sep 2022 15:39

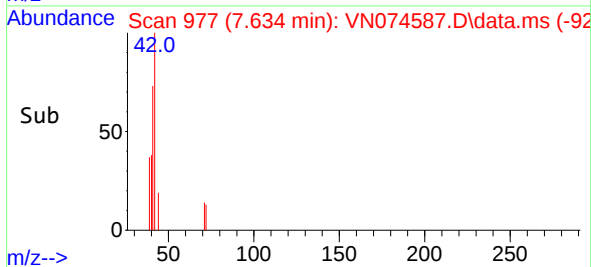
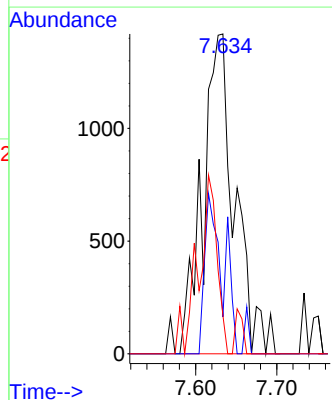
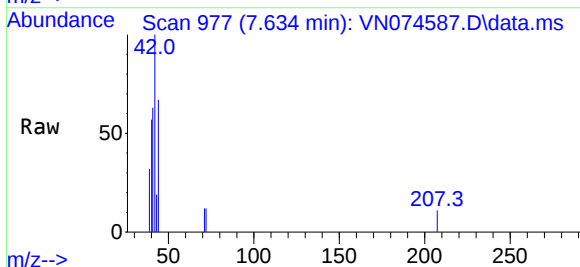
Tgt Ion: 42 Resp: 3880

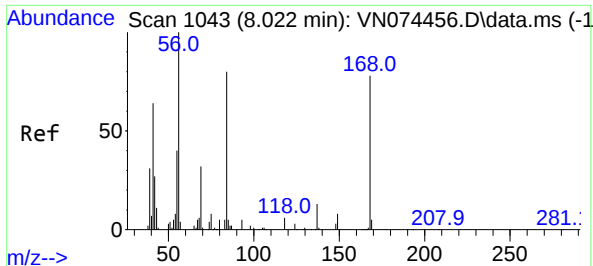
Ion Ratio Lower Upper

42 100

72 21.0 39.7 59.5#

71 32.6 36.6 55.0#





#31

Cyclohexane

Concen: 1.338 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

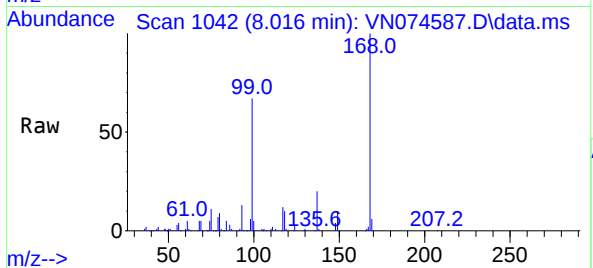
Lab File: VN074587.D

Acq: 19 Sep 2022 15:39

Instrument :

MSVOA_N

ClientSampleId :



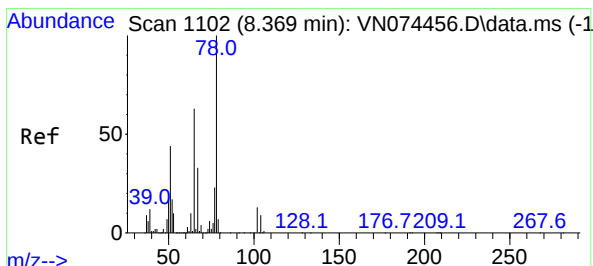
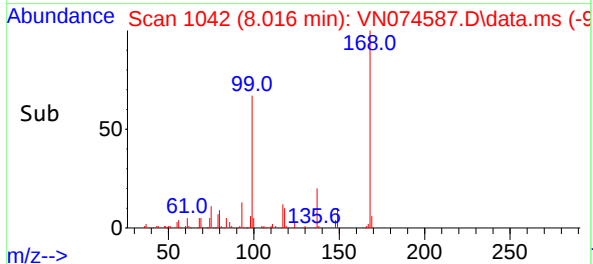
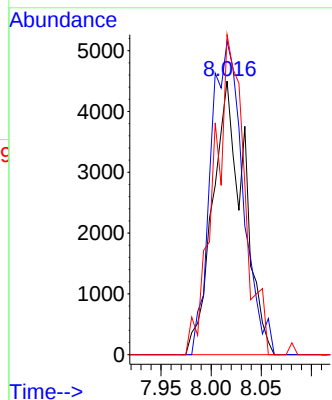
Tgt Ion: 56 Resp: 9830

Ion Ratio Lower Upper

56 100

69 114.5 27.8 41.8#

84 117.0 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 47.739 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074587.D

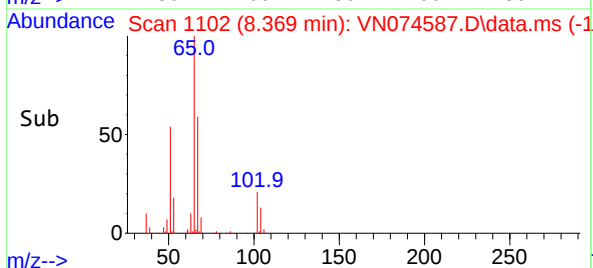
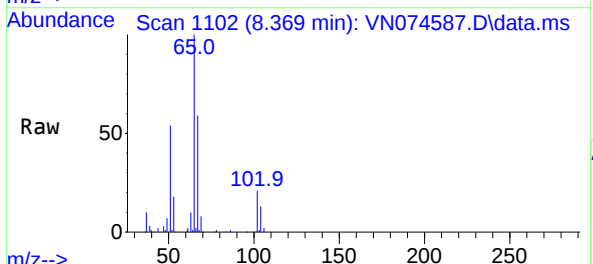
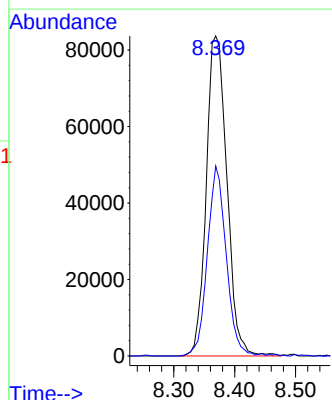
Acq: 19 Sep 2022 15:39

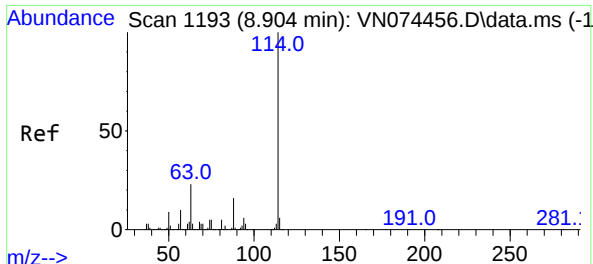
Tgt Ion: 65 Resp: 197644

Ion Ratio Lower Upper

65 100

67 54.0 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

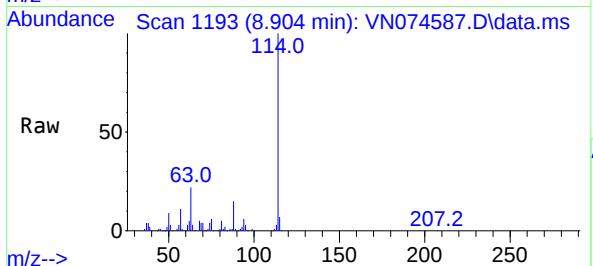
Lab File: VN074587.D

Acq: 19 Sep 2022 15:39

Instrument :

MSVOA_N

ClientSampleId :



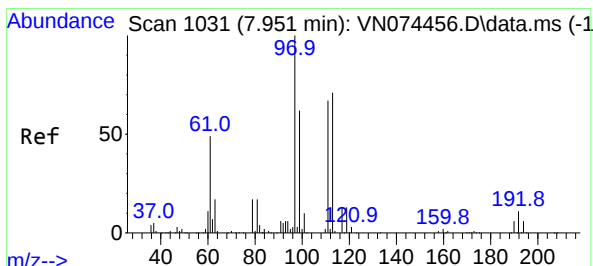
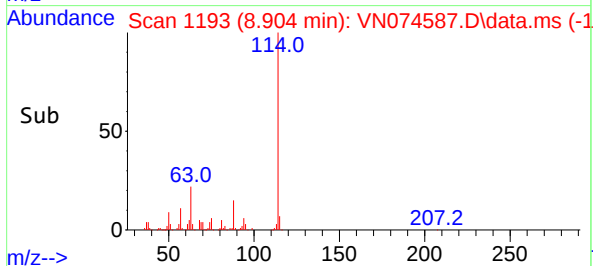
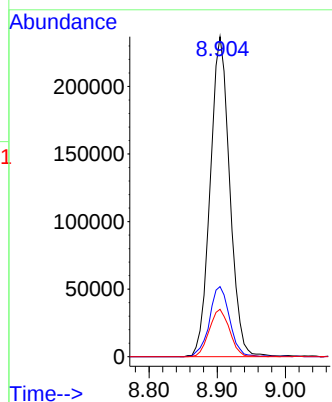
Tgt Ion:114 Resp: 472326

Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.0

88 14.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.831 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074587.D

Acq: 19 Sep 2022 15:39

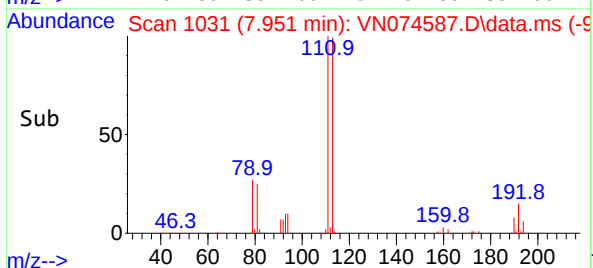
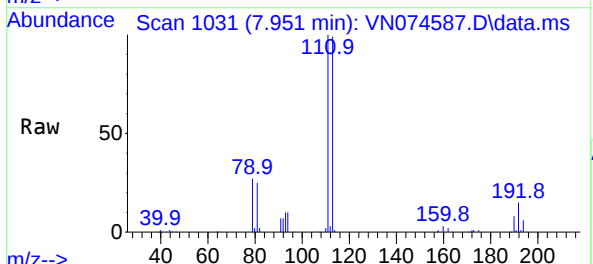
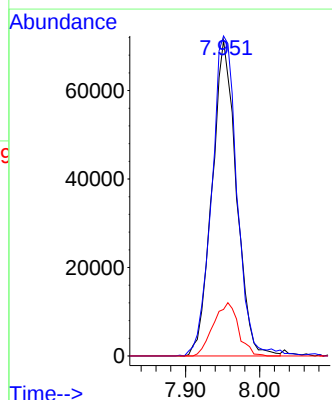
Tgt Ion:113 Resp: 162624

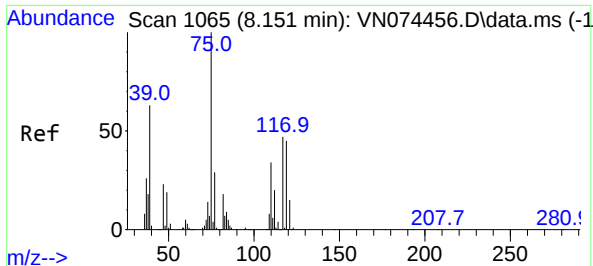
Ion Ratio Lower Upper

113 100

111 106.0 81.4 122.0

192 17.4 17.0 25.6

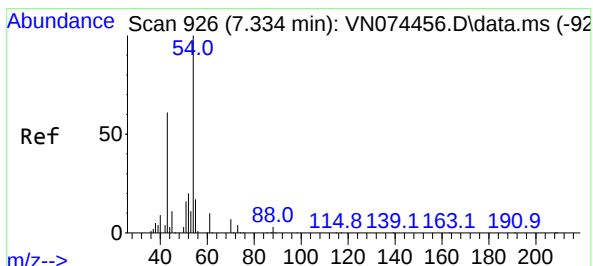
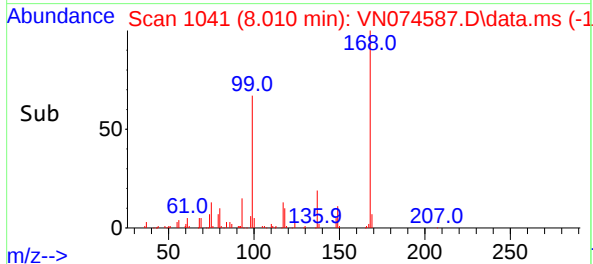
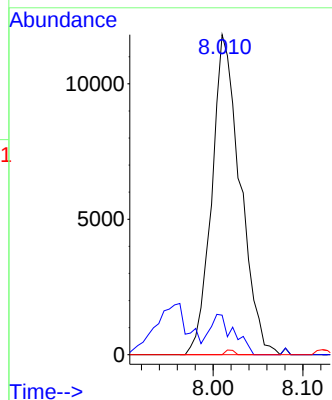
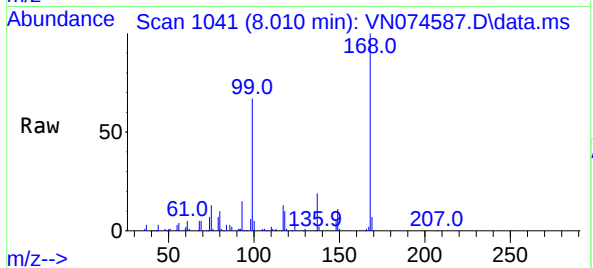




#36
1,1-Dichloropropene
Concen: 4.677 ug/l
RT: 8.010 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

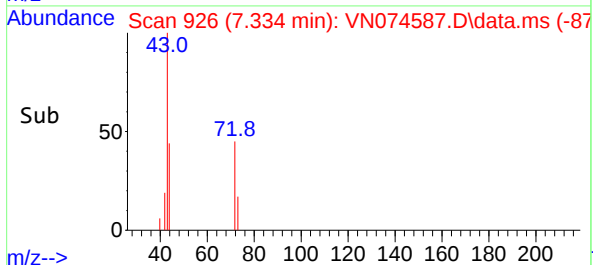
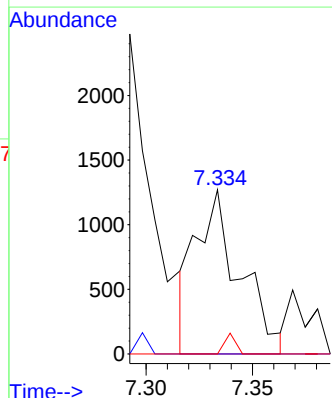
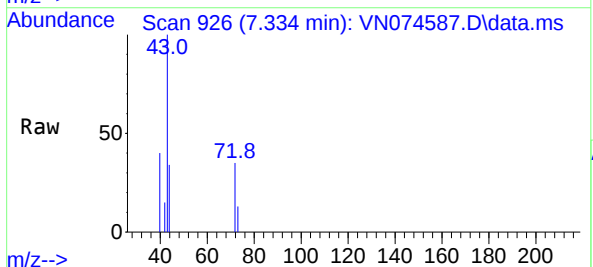
Instrument :
MSVOA_N
ClientSampleId :

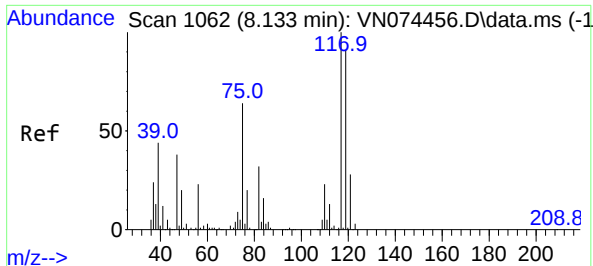
Tgt Ion: 75 Resp: 25974
Ion Ratio Lower Upper
75 100
110 10.8 18.3 54.8#
77 0.5 25.1 37.7#



#37
Ethyl Acetate
Concen: 0.212 ug/l
RT: 7.334 min Scan# 926
Delta R.T. -0.000 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

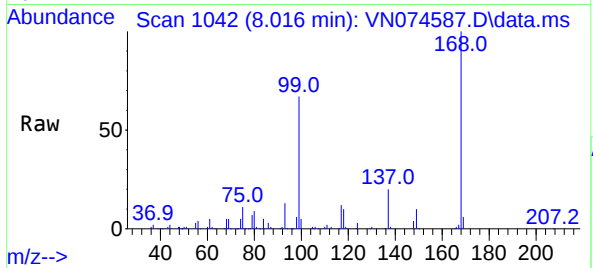
Tgt Ion: 43 Resp: 1816
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 3.1 9.3 13.9#



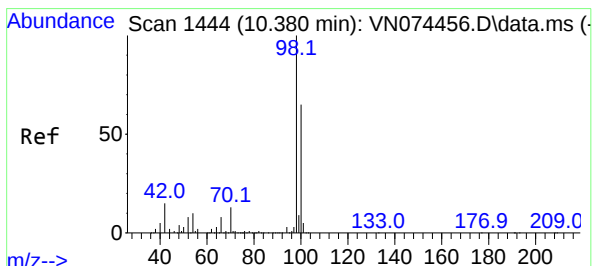
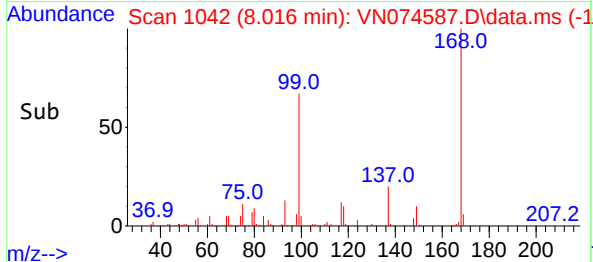
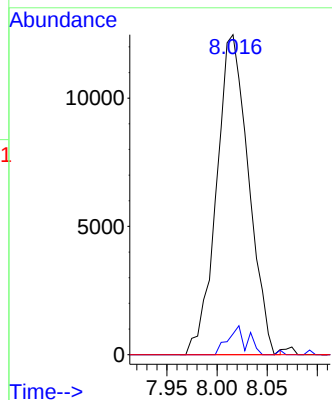


#38
Carbon Tetrachloride
Concen: 5.418 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.117 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Instrument :
MSVOA_N
ClientSampleId :

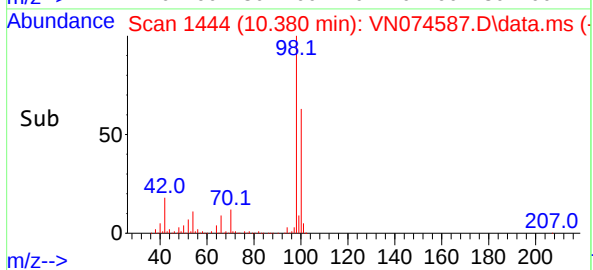
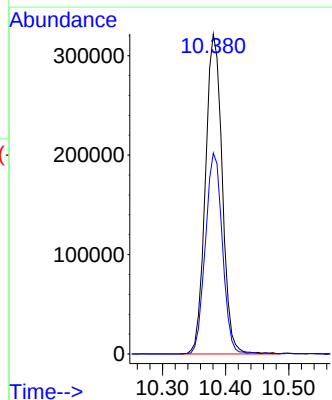
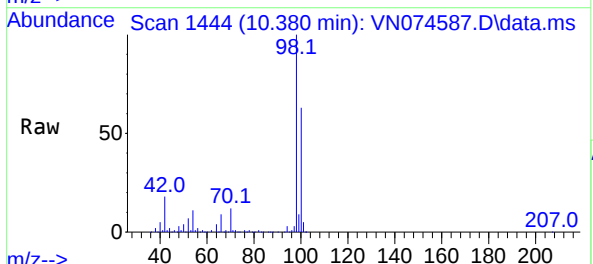


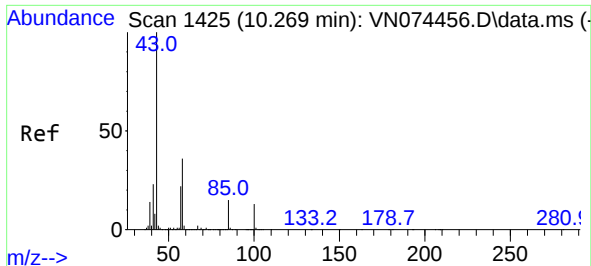
Tgt Ion:117 Resp: 27780
Ion Ratio Lower Upper
117 100
119 6.5 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 48.919 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Tgt Ion: 98 Resp: 593587
Ion Ratio Lower Upper
98 100
100 63.5 52.6 78.8

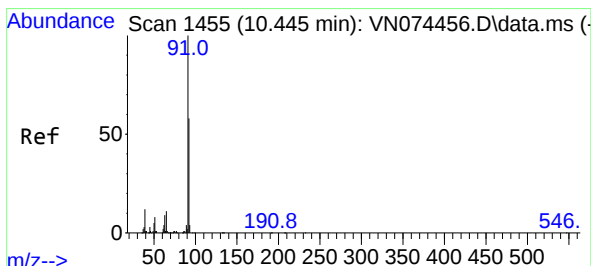
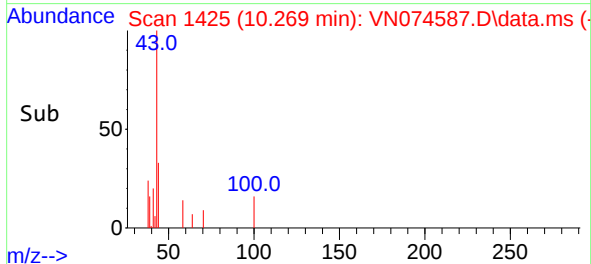
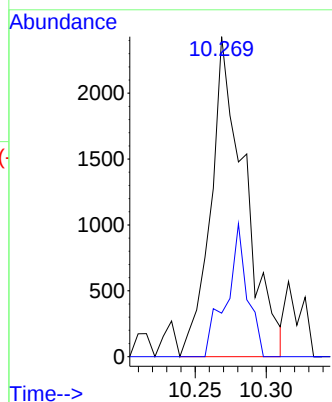
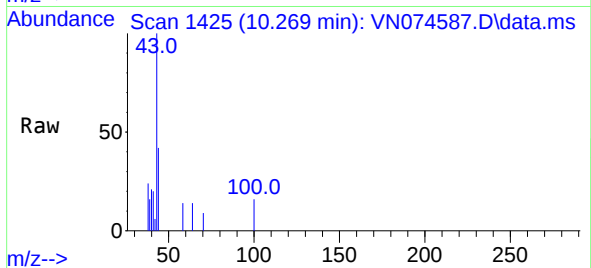




#51
4-Methyl-2-Pentanone
Concen: 0.462 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

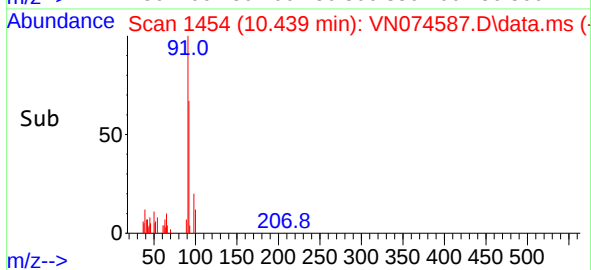
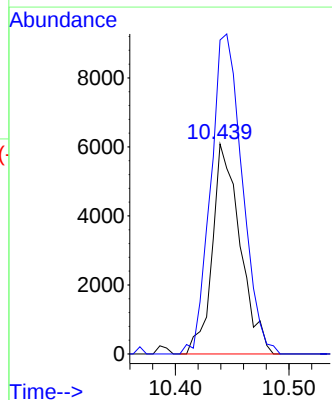
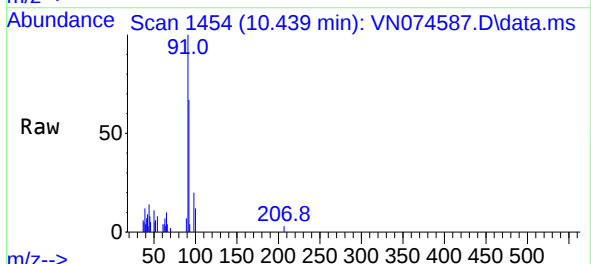
Instrument :
MSVOA_N
ClientSampleId :

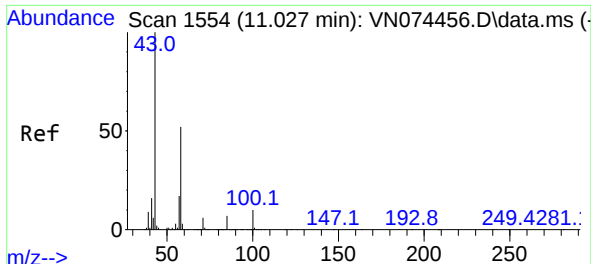
Tgt Ion: 43 Resp: 4054
Ion Ratio Lower Upper
43 100
58 25.4 34.1 51.1#



#52
Toluene
Concen: 1.026 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. -0.006 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Tgt Ion: 92 Resp: 10337
Ion Ratio Lower Upper
92 100
91 172.8 138.6 207.8

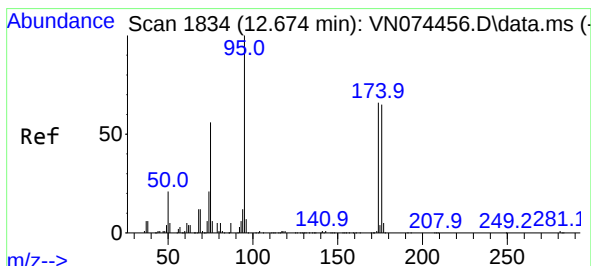
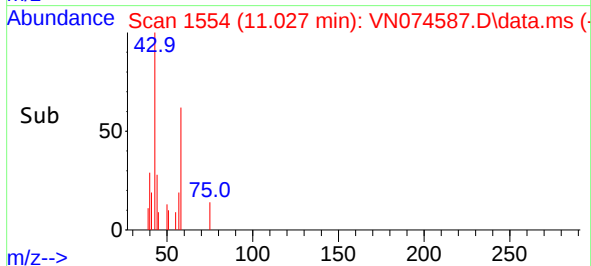
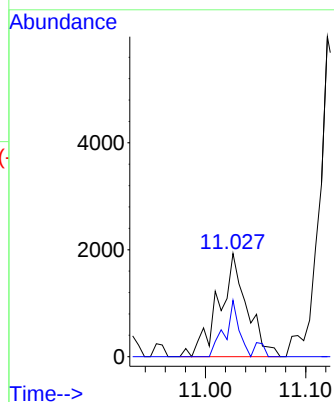
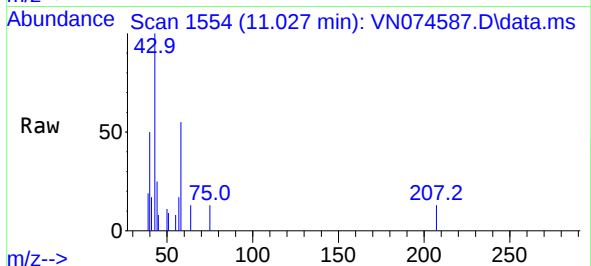




#59
2-Hexanone
Concen: 0.561 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

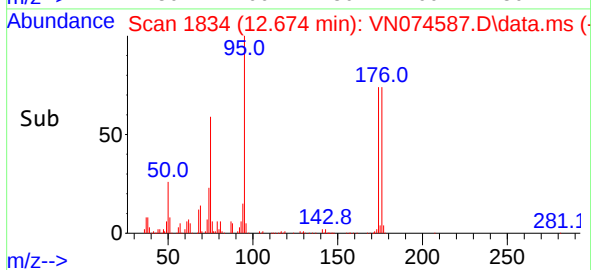
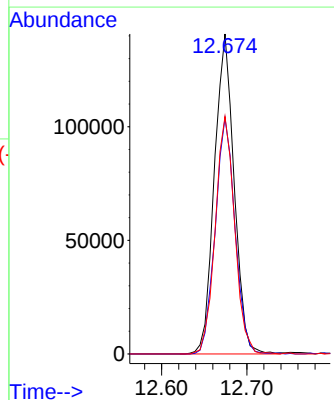
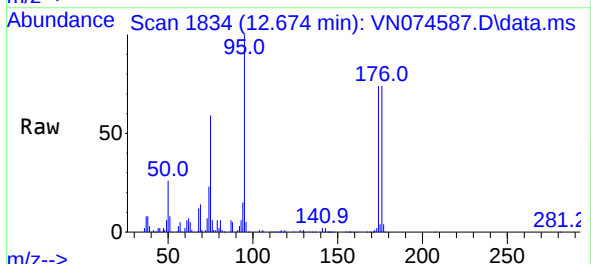
Instrument :
MSVOA_N
ClientSampleId :

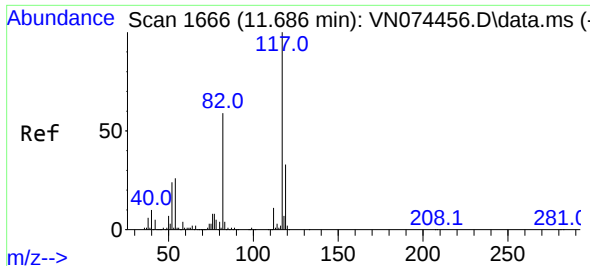
Tgt Ion: 43 Resp: 3754
Ion Ratio Lower Upper
43 100
58 27.1 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 54.531 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

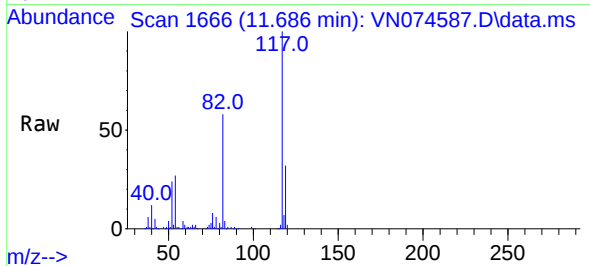
Tgt Ion: 95 Resp: 226626
Ion Ratio Lower Upper
95 100
174 73.9 0.0 167.6
176 73.0 0.0 163.4





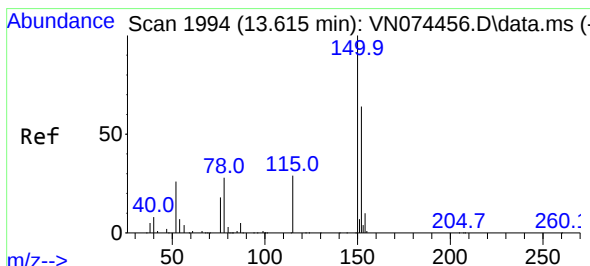
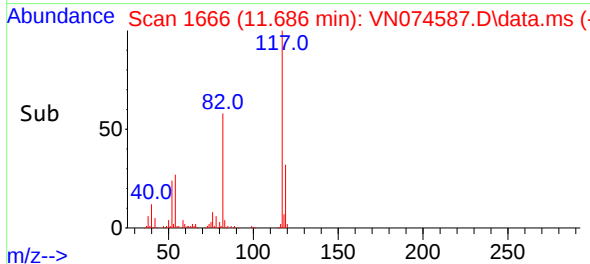
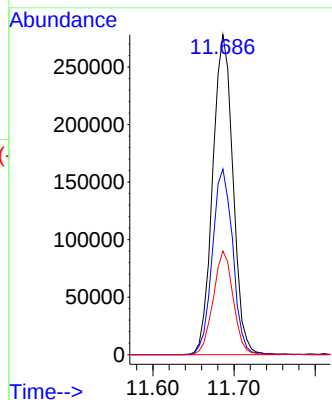
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:117 Resp: 484263

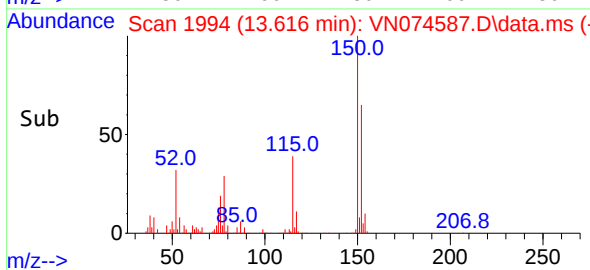
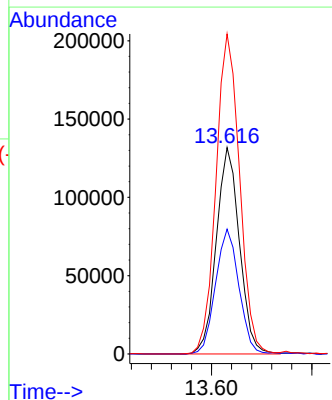
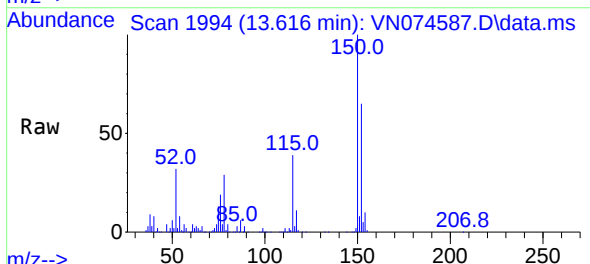
Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.2	66.2
119	32.4	25.4	38.0

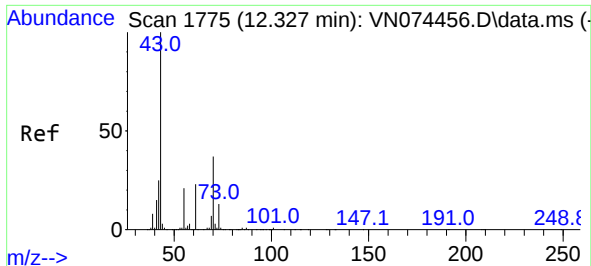


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Tgt Ion:152 Resp: 211078

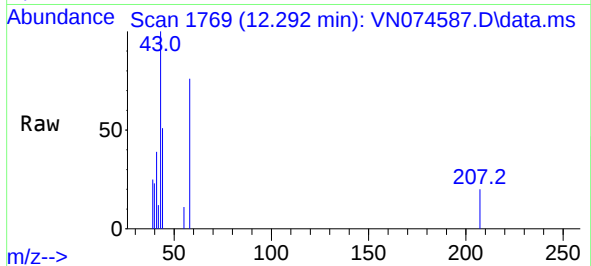
Ion	Ratio	Lower	Upper
152	100		
115	61.5	28.9	86.7
150	158.0	0.0	356.2



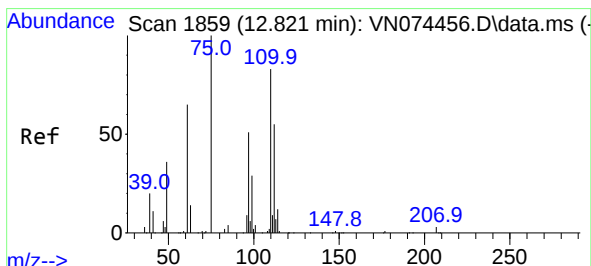
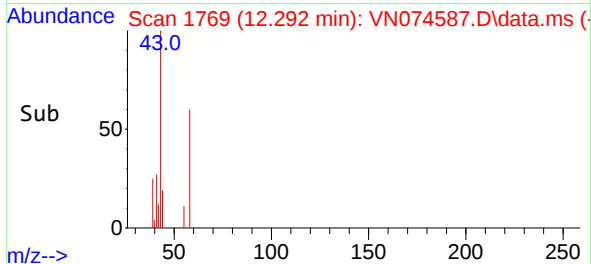
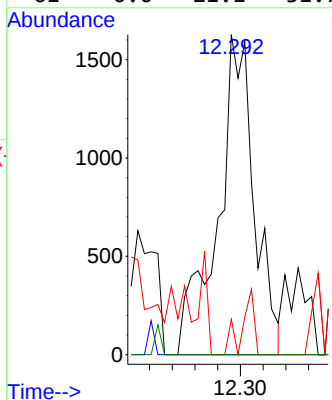


#74
N-amy1 acetate
Concen: 0.269 ug/l
RT: 12.292 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Instrument :
MSVOA_N
ClientSampleId :

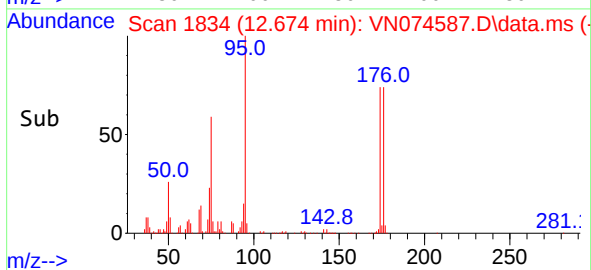
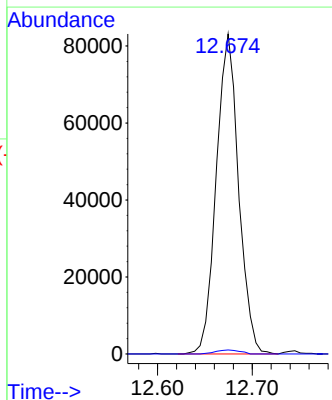
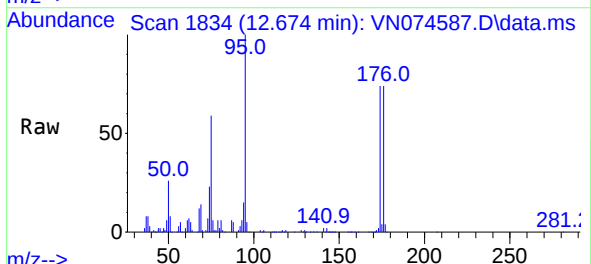


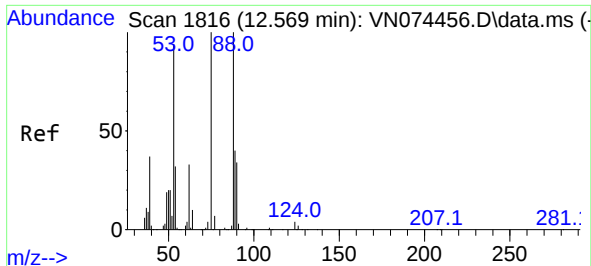
Tgt Ion: 43 Resp: 3634
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 6.9 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 20.973 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

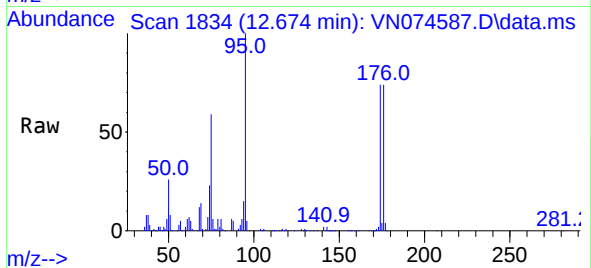
Tgt Ion: 75 Resp: 136261
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



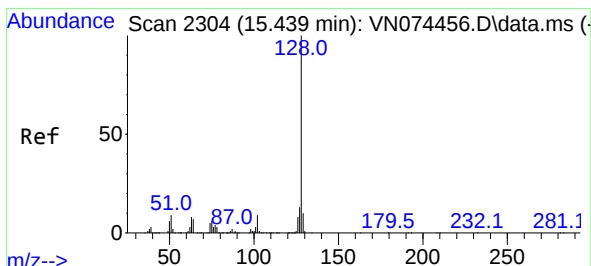
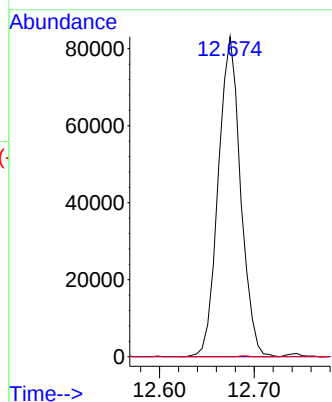
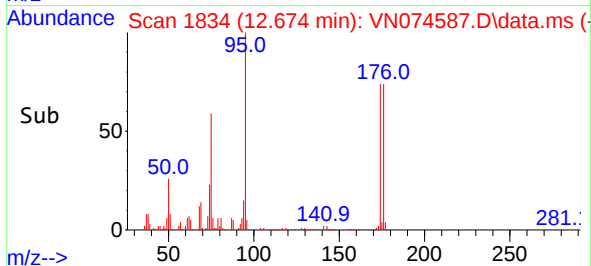


#81
trans-1,4-Dichloro-2-butene
Concen: 45.265 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 136261
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#



#95
Naphthalene
Concen: 1.709 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN074587.D
Acq: 19 Sep 2022 15:39

Tgt Ion:128 Resp: 2234
Ion Ratio Lower Upper
128 100
127 3.9 10.3 15.5#
129 0.0 8.6 13.0#

