

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082522\
 Data File : VN074115.D
 Acq On : 25 Aug 2022 15:34
 Operator : JC\MD
 Sample : P13147211
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P13147211

Quant Time: Aug 26 02:02:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

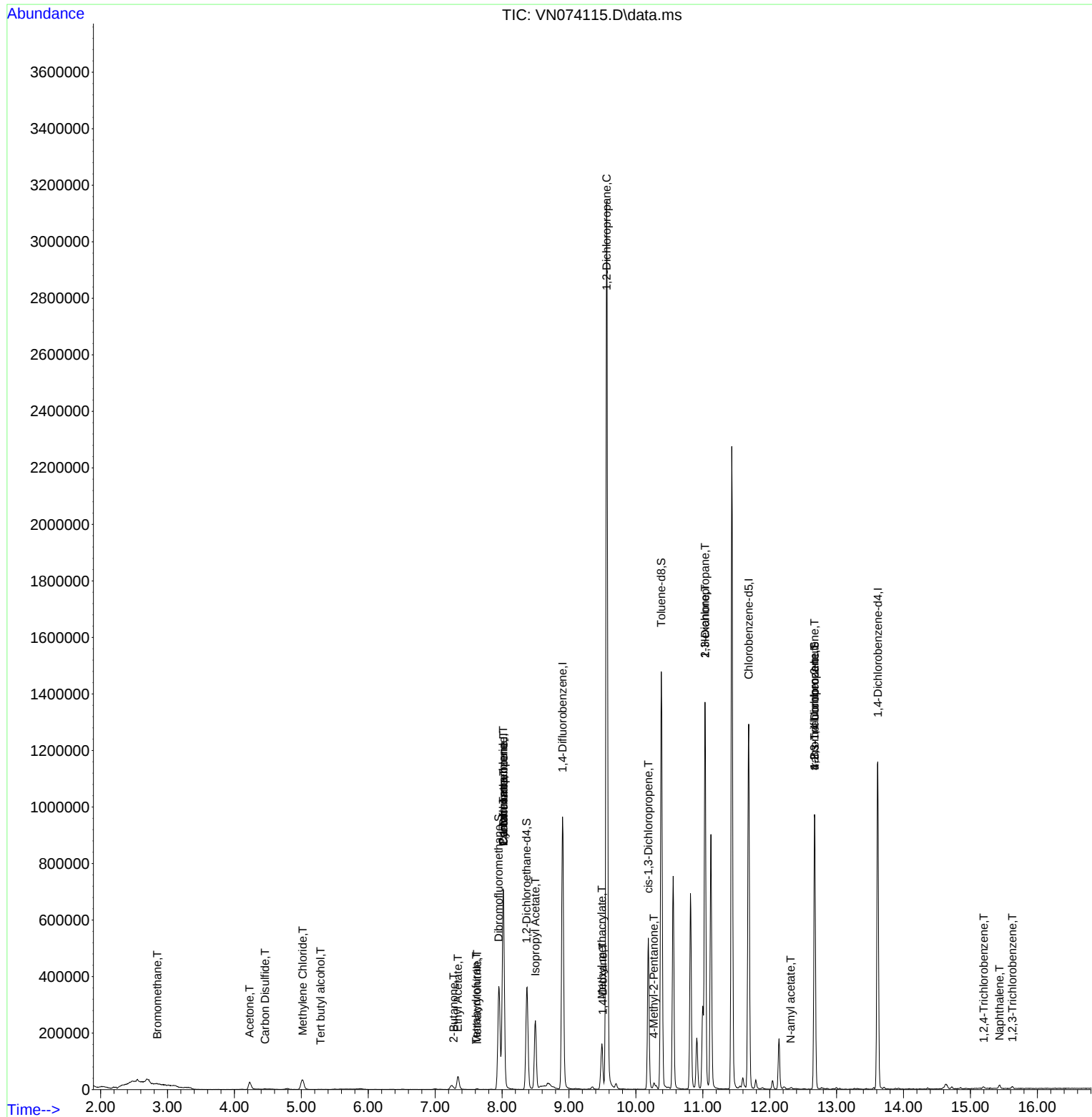
Internal Standards						
1) Pentafluorobenzene	8.022	168	590912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	913650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	808001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	343724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	306052	53.176	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.360%			
35) Dibromofluoromethane	7.951	113	274452	50.794	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.580%			
50) Toluene-d8	10.380	98	1053023	50.321	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.640%			
62) 4-Bromofluorobenzene	12.668	95	333688	48.047	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.100%			
Target Compounds					Qvalue	
5) Bromomethane	2.845	94	2566	0.614	ug/l #	64
11) Tert butyl alcohol	5.286	59	826	0.642	ug/l #	72
16) Acetone	4.228	43	48098	17.713	ug/l	90
17) Carbon Disulfide	4.457	76	3946	0.356	ug/l #	75
18) Methyl Acetate	4.787	43	6818	Below Cal	#	89
20) Methylene Chloride	5.022	84	31472	5.493	ug/l	91
25) 2-Butanone	7.275	43	10717	2.489	ug/l	97
29) Tetrahydrofuran	7.616	42	2008	0.727	ug/l #	79
31) Cyclohexane	8.022	56	9962	1.242	ug/l #	1
36) 1,1-Dichloropropene	8.022	75	38931	5.187	ug/l #	50
37) Ethyl Acetate	7.339	43	70620	7.767	ug/l	99
38) Carbon Tetrachloride	8.016	117	53414	6.227	ug/l #	16
41) Methacrylonitrile	7.628	41	1116	0.272	ug/l #	30
43) Isopropyl Acetate	8.498	43	268947	20.764	ug/l #	93
45) 1,2-Dichloropropane	9.563	63	4276	0.753	ug/l #	44
48) Methyl methacrylate	9.492	41	9230	1.665	ug/l #	39
49) 1,4-Dioxane	9.504	88	132	0.801	ug/l #	25
51) 4-Methyl-2-Pentanone	10.269	43	12246	1.398	ug/l #	85
54) cis-1,3-Dichloropropene	10.186	75	103338	10.910	ug/l #	61
57) 1,3-Dichloropropane	11.033	76	15301	1.489	ug/l #	42
59) 2-Hexanone	11.033	43	182277	27.046	ug/l #	50
74) N-amyl acetate	12.315	43	1983	0.210	ug/l #	56
76) 1,2,3-Trichloropropane	12.668	75	162338	22.723	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	162338	64.628	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.198	180	2715	0.368	ug/l	94
95) Naphthalene	15.433	128	12249	0.509	ug/l	97
96) 1,2,3-Trichlorobenzene	15.627	180	3235	0.424	ug/l	95

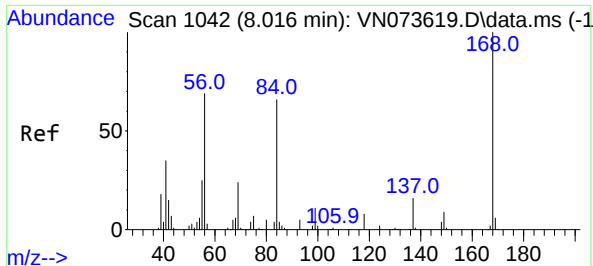
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082522\
Data File : VN074115.D
Acq On : 25 Aug 2022 15:34
Operator : JC\MD
Sample : P13147211
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
P13147211

Quant Time: Aug 26 02:02:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration

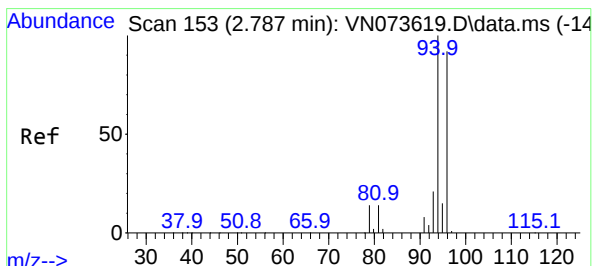
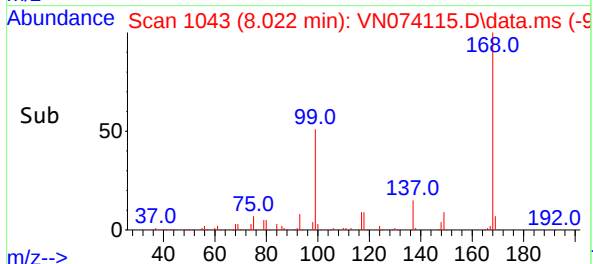
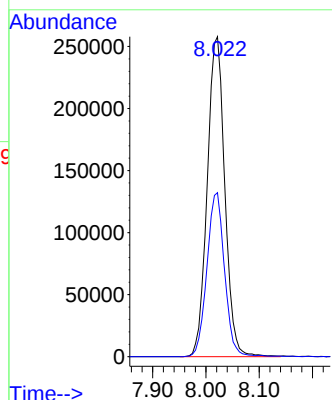
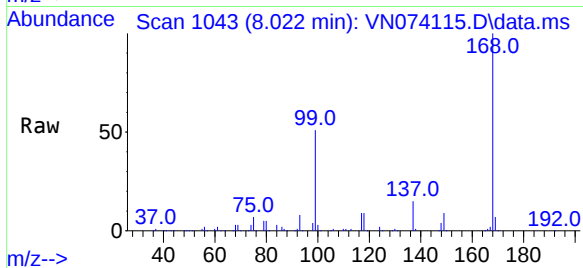




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

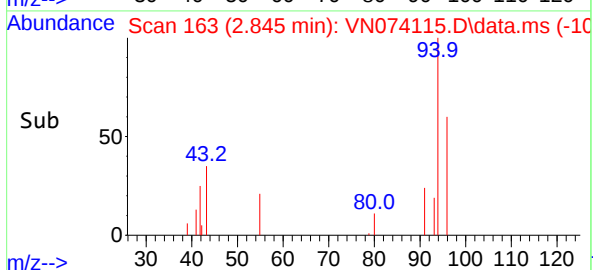
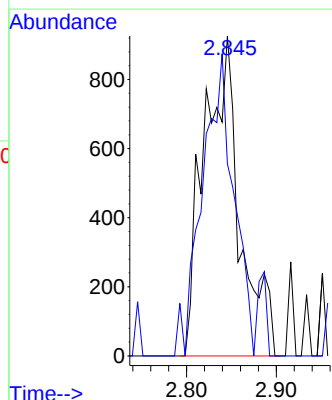
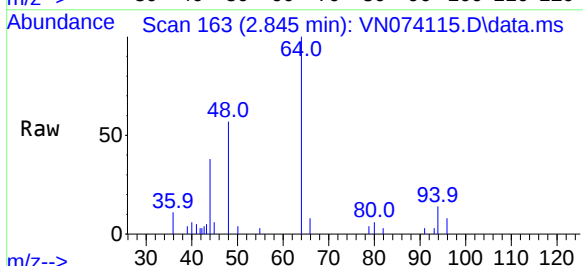
Instrument :
MSVOA_N
ClientSampleId :
P13147211

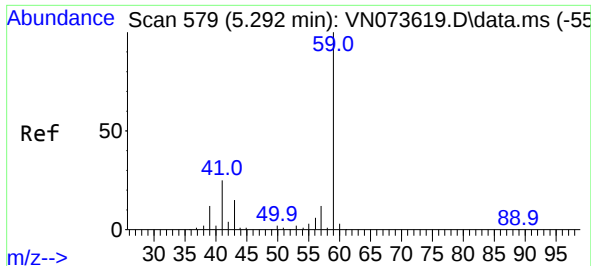
Tgt Ion:168 Resp: 590912
Ion Ratio Lower Upper
168 100
99 51.2 42.3 63.5



#5
Bromomethane
Concen: 0.614 ug/l
RT: 2.845 min Scan# 163
Delta R.T. 0.058 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

Tgt Ion: 94 Resp: 2566
Ion Ratio Lower Upper
94 100
96 60.0 76.0 114.0#

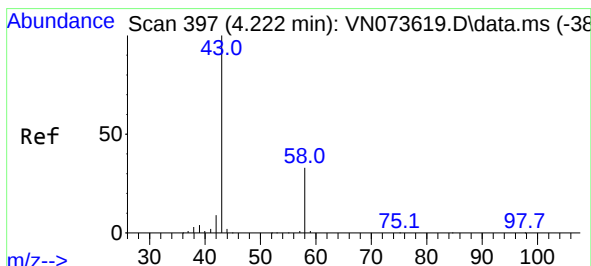
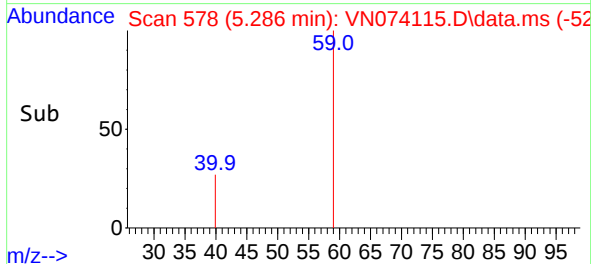
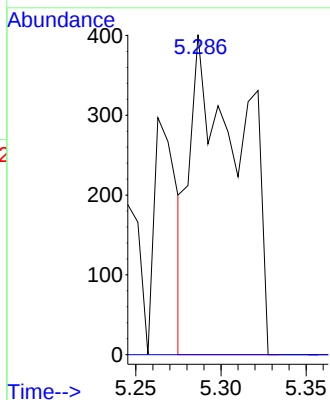
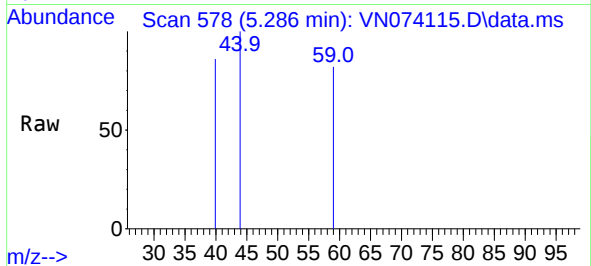




#11
Tert butyl alcohol
Concen: 0.642 ug/l
RT: 5.286 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

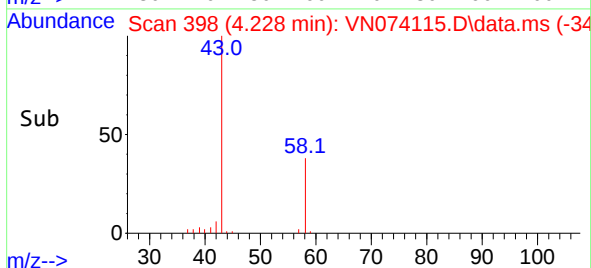
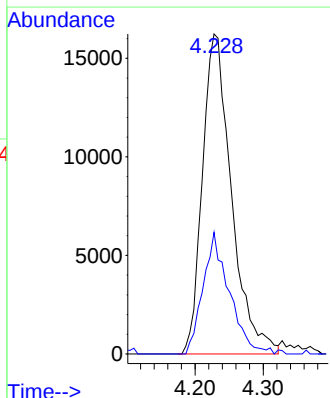
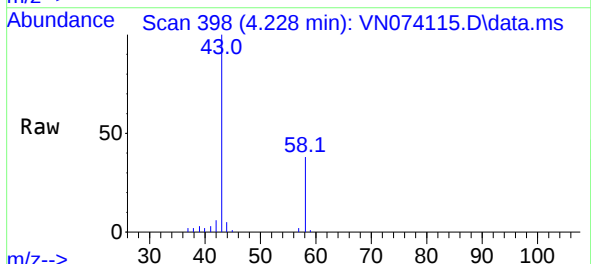
Instrument :
MSVOA_N
ClientSampleId :
P13147211

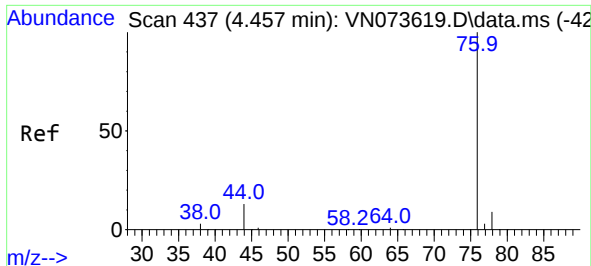
Tgt Ion: 59 Resp: 826
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 17.713 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

Tgt Ion: 43 Resp: 48098
Ion Ratio Lower Upper
43 100
58 38.0 26.0 39.0

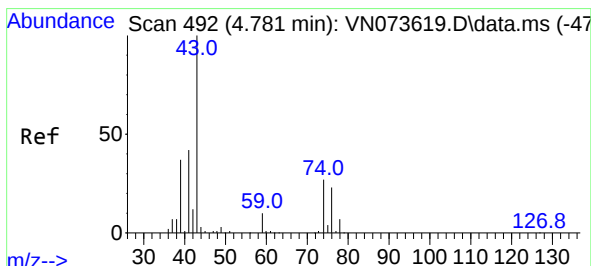
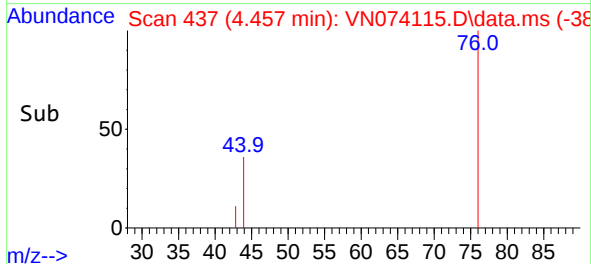
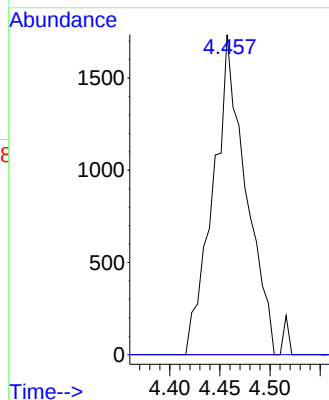
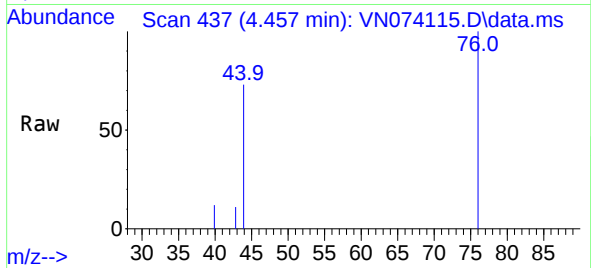




#17
Carbon Disulfide
Concen: 0.356 ug/l
RT: 4.457 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

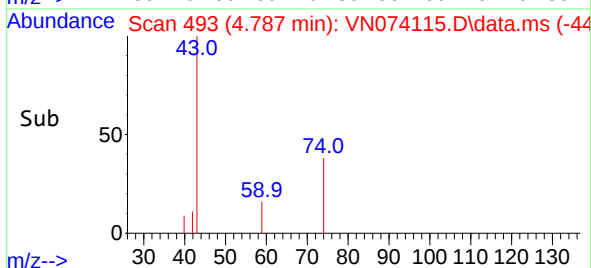
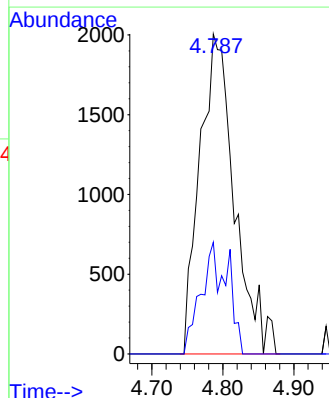
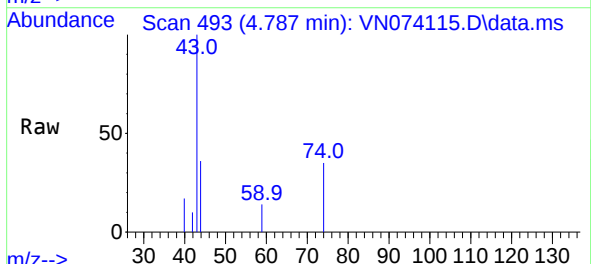
Instrument :
MSVOA_N
ClientSampleId :
P13147211

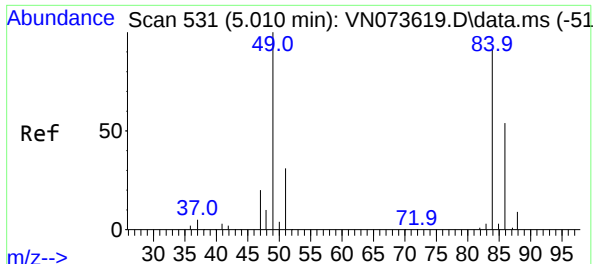
Tgt Ion: 76 Resp: 3946
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

Tgt Ion: 43 Resp: 6818
Ion Ratio Lower Upper
43 100
74 21.1 21.6 32.4#



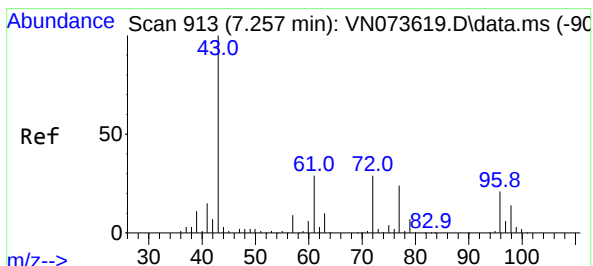
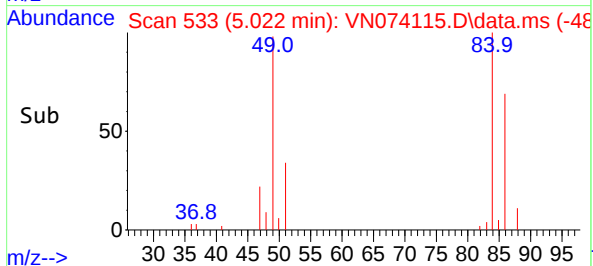
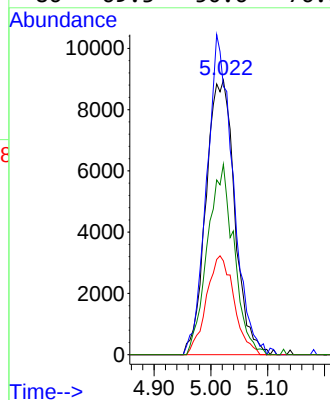
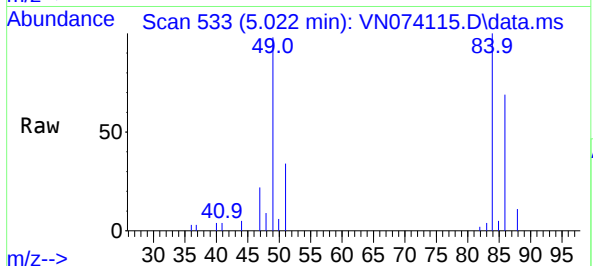


#20
Methylene Chloride
Concen: 5.493 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

Instrument :
MSVOA_N
ClientSampleId :
P13147211

Tgt Ion: 84 Resp: 31472

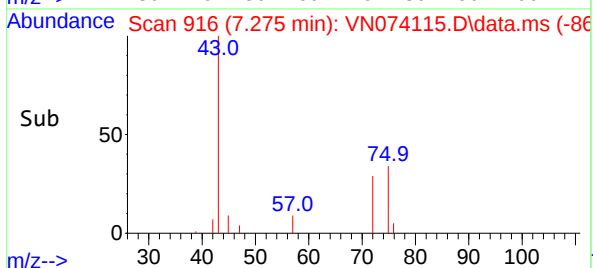
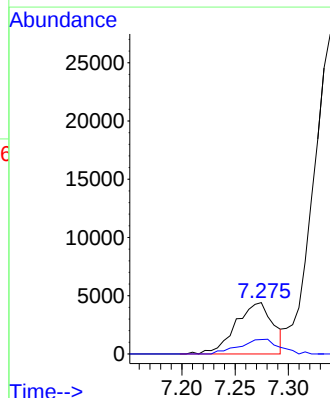
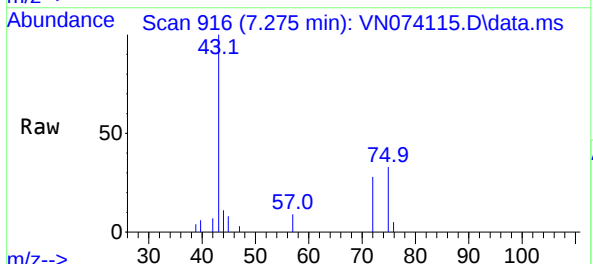
Ion	Ratio	Lower	Upper
84	100		
49	97.7	88.3	132.5
51	34.1	28.2	42.2
86	69.3	50.6	76.0

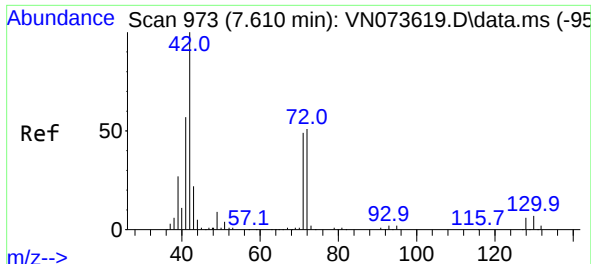


#25
2-Butanone
Concen: 2.489 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

Tgt Ion: 43 Resp: 10717

Ion	Ratio	Lower	Upper
43	100		
72	27.9	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.727 ug/l

RT: 7.616 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN074115.D

Acq: 25 Aug 2022 15:34

Instrument :

MSVOA_N

ClientSampleId :

P13147211

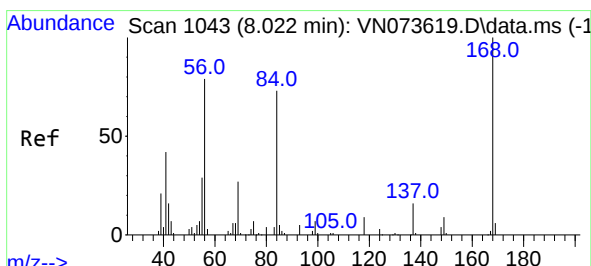
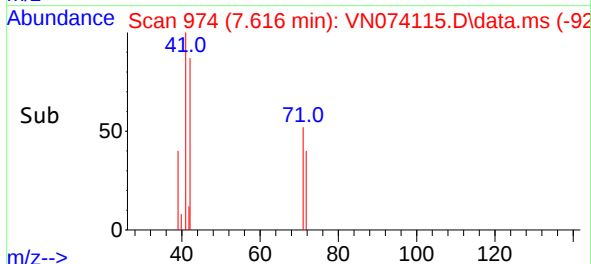
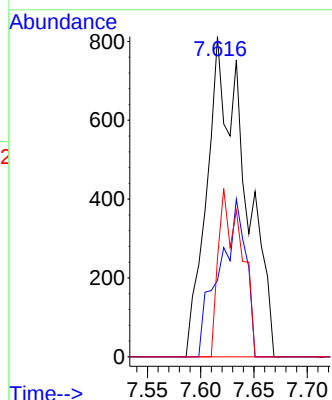
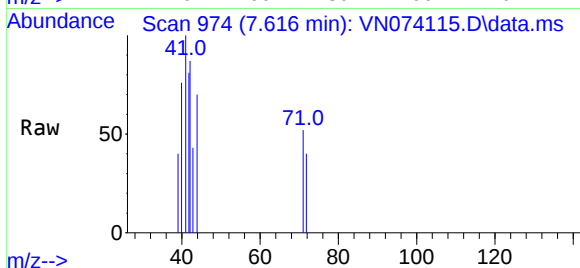
Tgt Ion: 42 Resp: 2008

Ion Ratio Lower Upper

42 100

72 34.7 39.7 59.5#

71 31.8 36.6 55.0#



#31

Cyclohexane

Concen: 1.242 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN074115.D

Acq: 25 Aug 2022 15:34

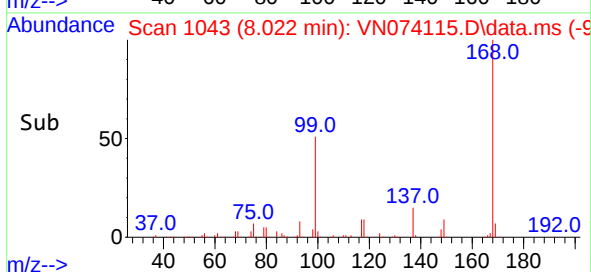
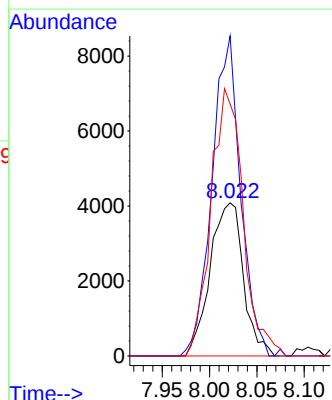
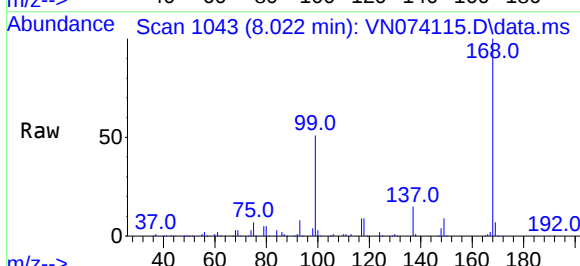
Tgt Ion: 56 Resp: 9962

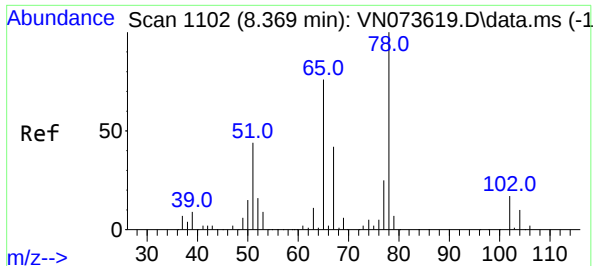
Ion Ratio Lower Upper

56 100

69 208.9 27.8 41.8#

84 164.4 76.9 115.3#

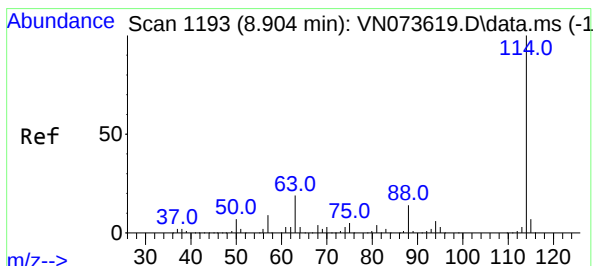
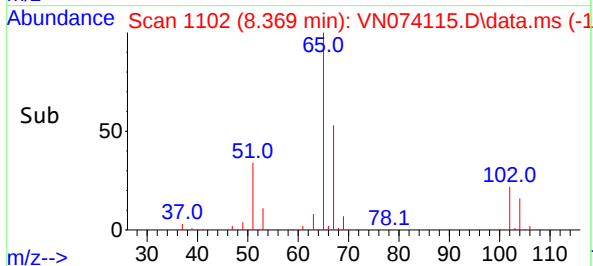
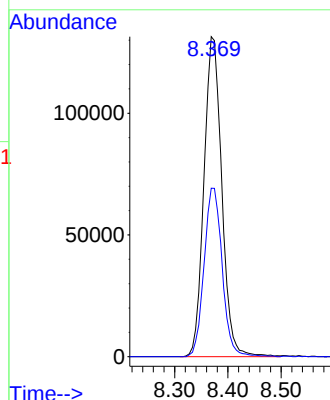
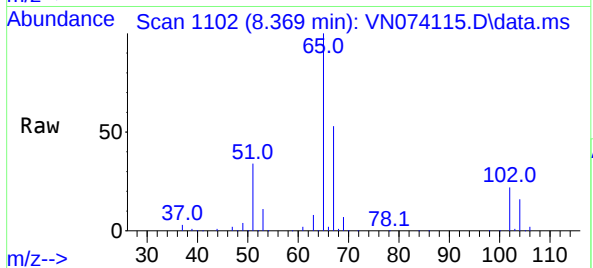




#33
1,2-Dichloroethane-d4
Concen: 53.176 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

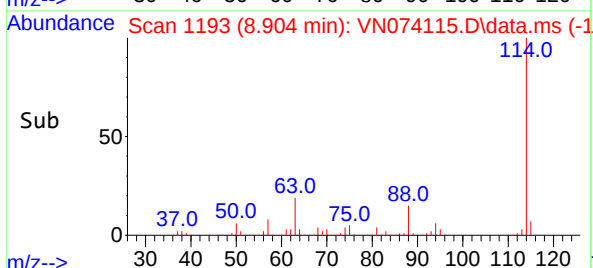
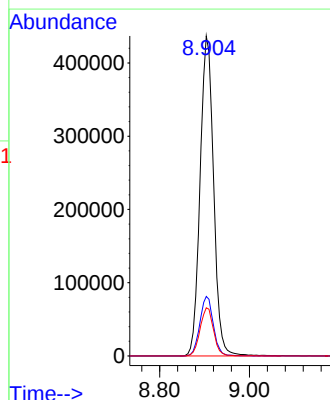
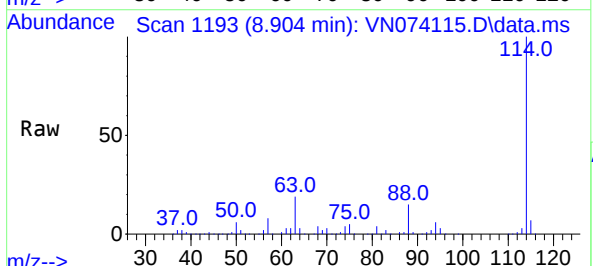
Instrument :
MSVOA_N
ClientSampleId :
P13147211

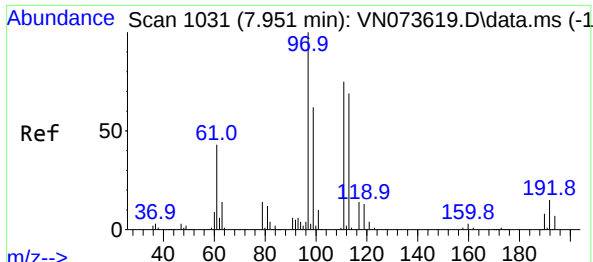
Tgt Ion: 65 Resp: 306052
Ion Ratio Lower Upper
65 100
67 53.5 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

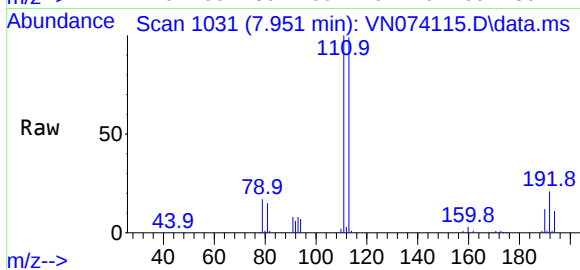
Tgt Ion: 114 Resp: 913650
Ion Ratio Lower Upper
114 100
63 18.6 0.0 40.0
88 15.1 0.0 32.6



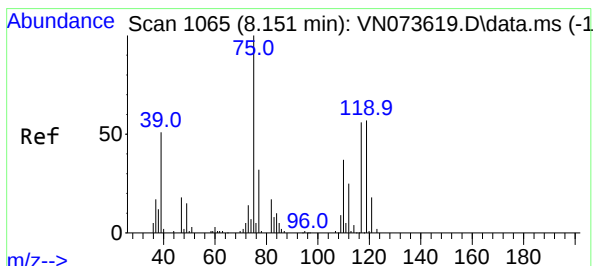
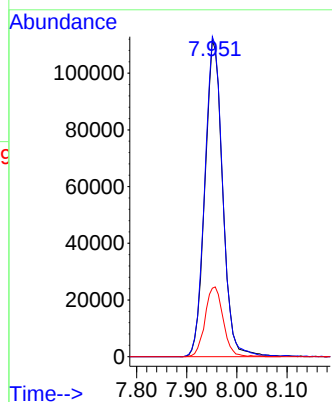
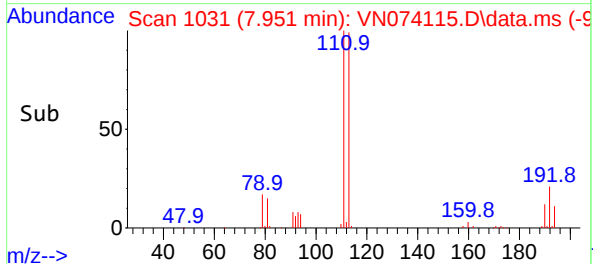


#35
Dibromofluoromethane
Concen: 50.794 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

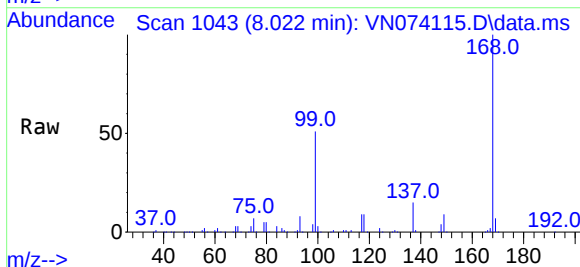
Instrument :
MSVOA_N
ClientSampleId :
P13147211



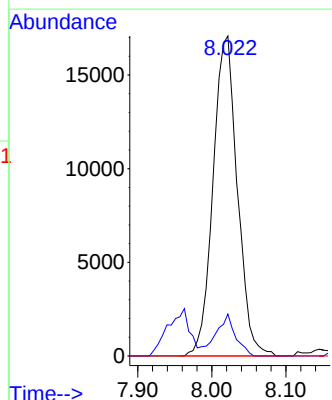
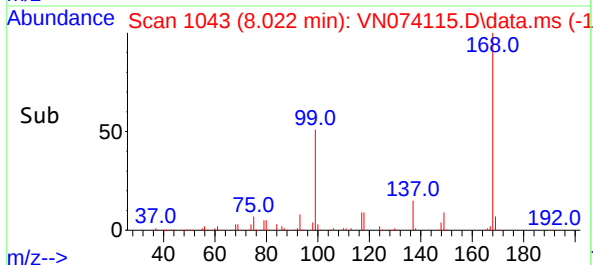
Tgt Ion:113 Resp: 274452
Ion Ratio Lower Upper
113 100
111 101.7 81.4 122.0
192 22.3 17.0 25.6

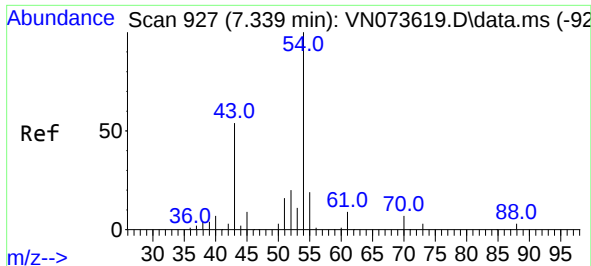


#36
1,1-Dichloropropene
Concen: 5.187 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34



Tgt Ion: 75 Resp: 38931
Ion Ratio Lower Upper
75 100
110 10.3 18.3 54.8#
77 0.0 25.1 37.7#

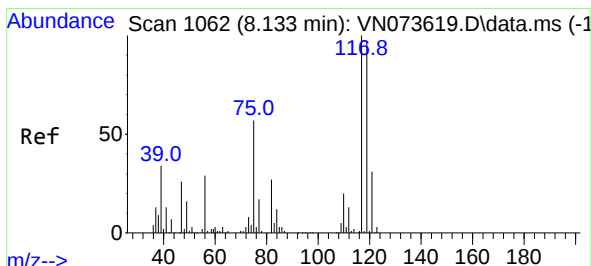
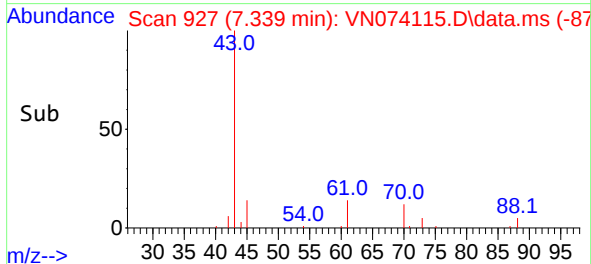
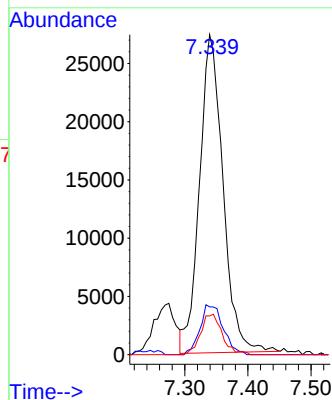
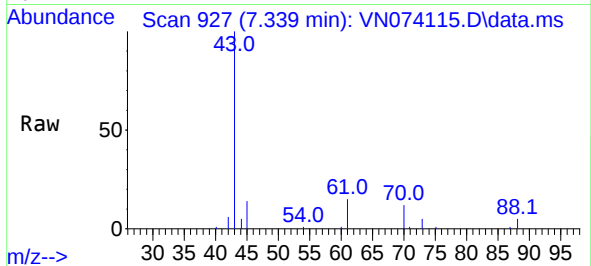




#37
Ethyl Acetate
Concen: 7.767 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

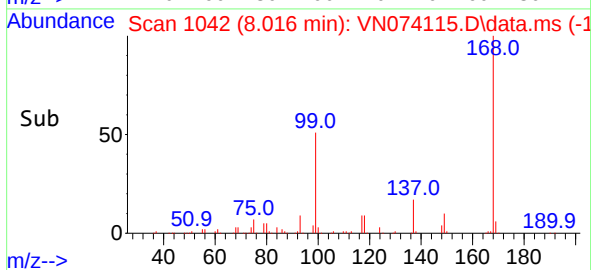
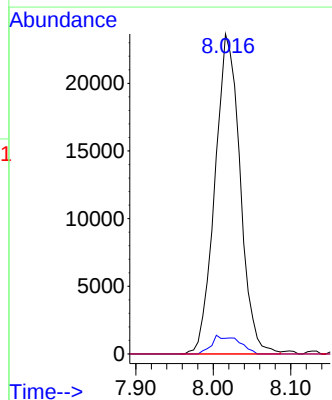
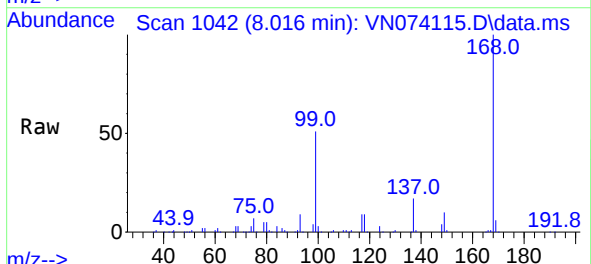
Instrument :
MSVOA_N
ClientSampleId :
P13147211

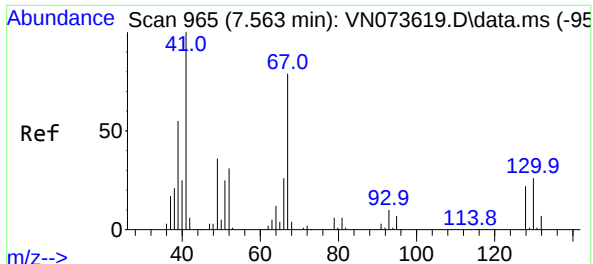
Tgt Ion:	43	Resp:	70620
Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.6
70	11.7	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.227 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

Tgt Ion:	117	Resp:	53414
Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.8	113.8#
121	0.0	24.6	37.0#

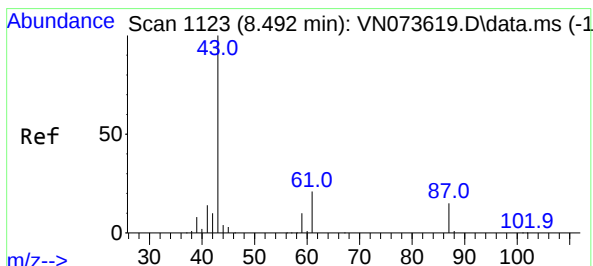
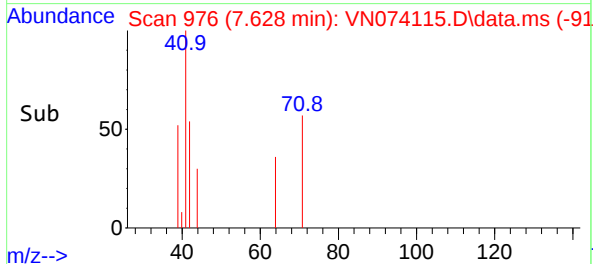
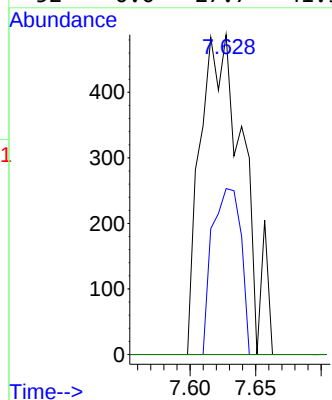
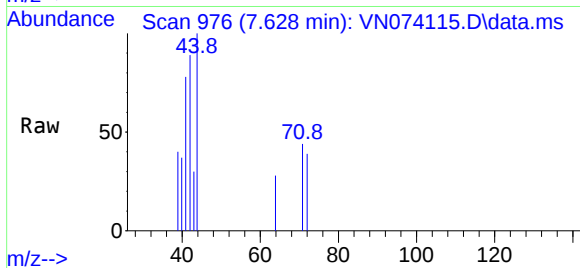




#41
Methacrylonitrile
Concen: 0.272 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.065 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

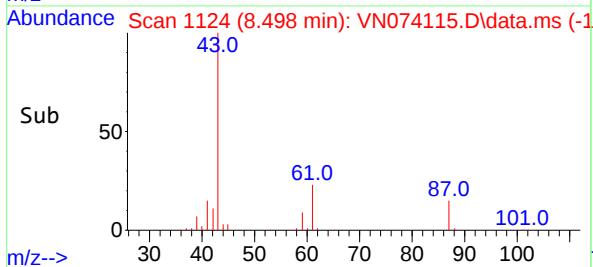
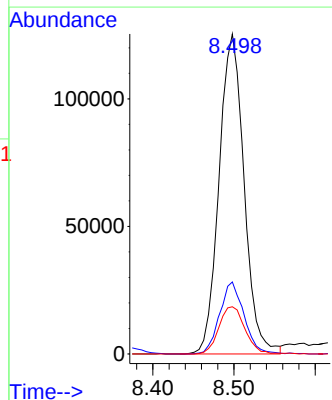
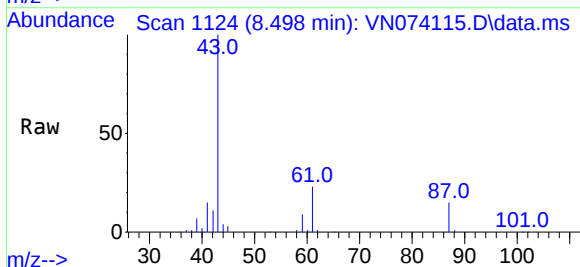
Instrument :
MSVOA_N
ClientSampleId :
P13147211

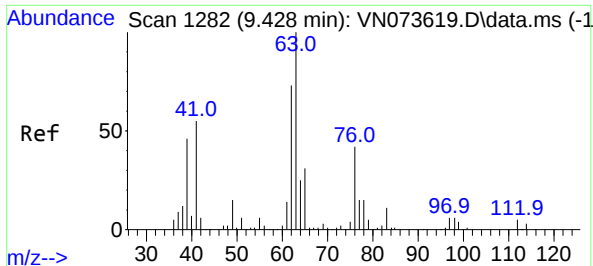
Tgt Ion: 41	Resp: 1116
Ion Ratio	Lower Upper
41 100	
39 34.5	48.6 73.0#
67 0.0	73.4 110.2#
52 0.0	27.7 41.5#



#43
Isopropyl Acetate
Concen: 20.764 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

Tgt Ion: 43	Resp: 268947		
Ion Ratio	Lower	Upper	
43 100			
61 21.9	21.9	32.9#	
87 15.5	12.0	18.0	

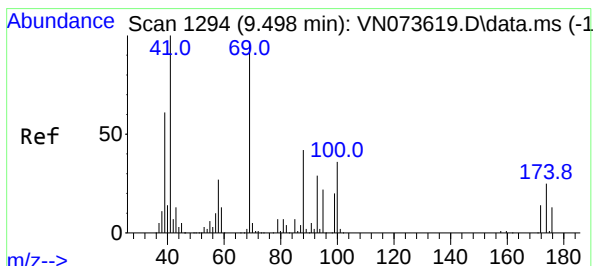
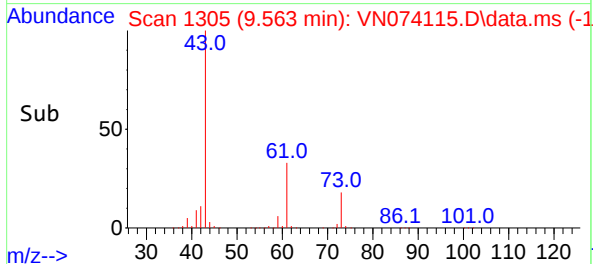
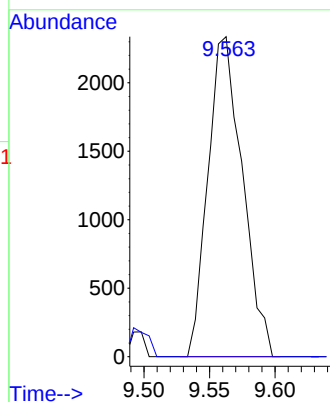
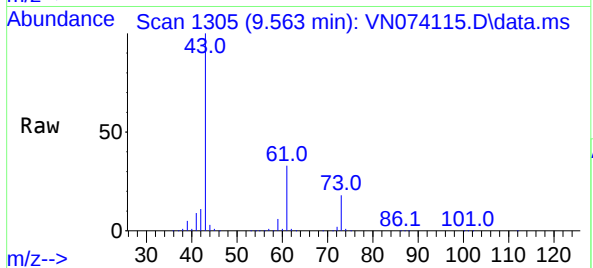




#45
1,2-Dichloropropane
Concen: 0.753 ug/l
RT: 9.563 min Scan# 11
Delta R.T. 0.135 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

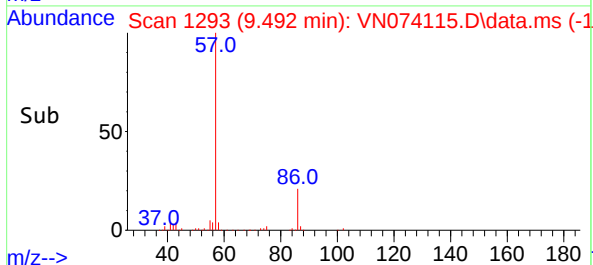
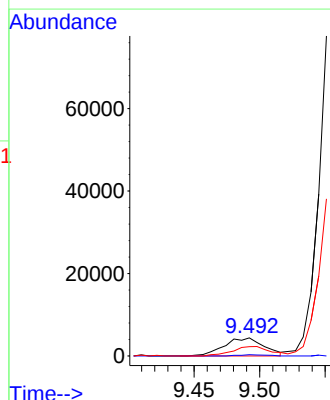
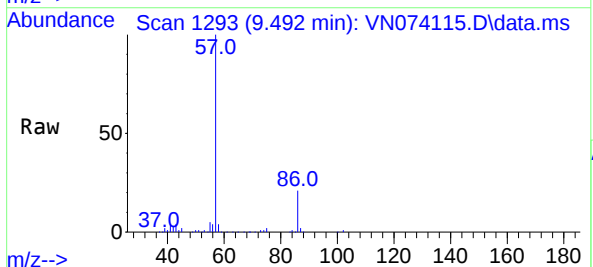
Instrument :
MSVOA_N
ClientSampleId :
P13147211

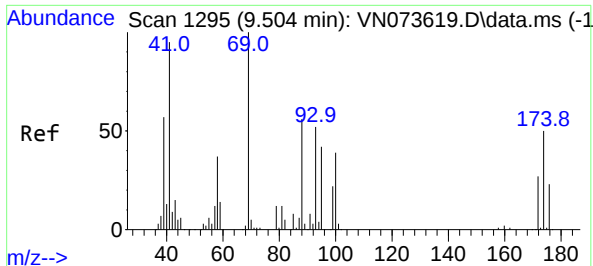
Tgt Ion: 63 Resp: 4276
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 1.665 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

Tgt Ion: 41 Resp: 9230
Ion Ratio Lower Upper
41 100
69 4.7 74.7 112.1#
39 50.6 45.6 68.4

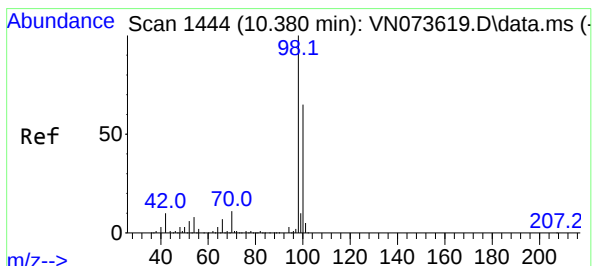
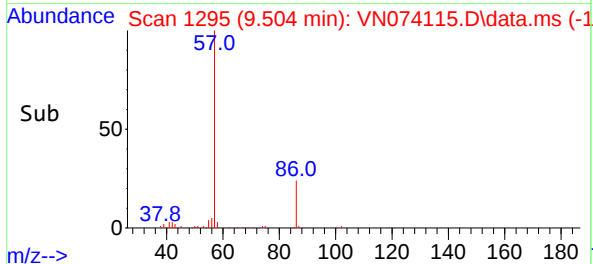
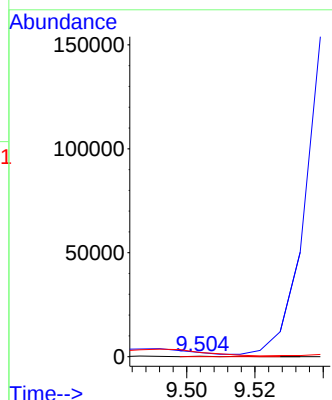
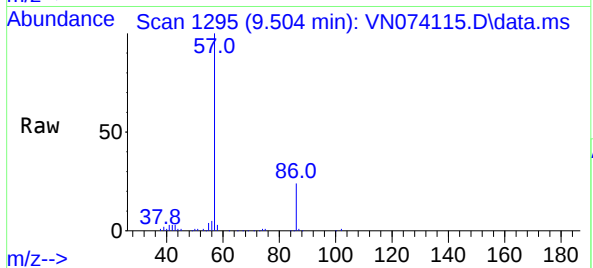




#49
1,4-Dioxane
Concen: 0.801 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. -0.000 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

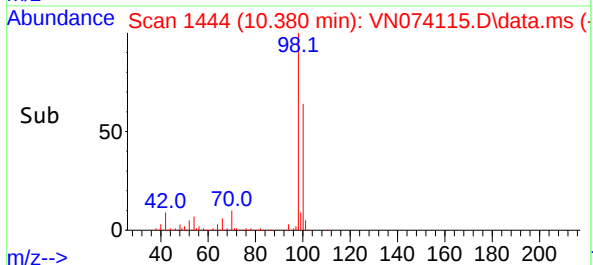
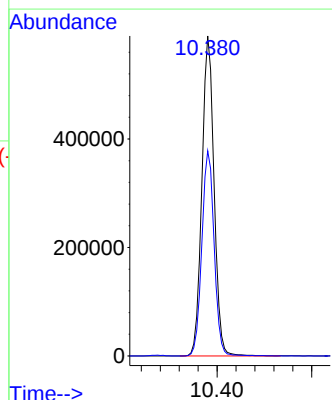
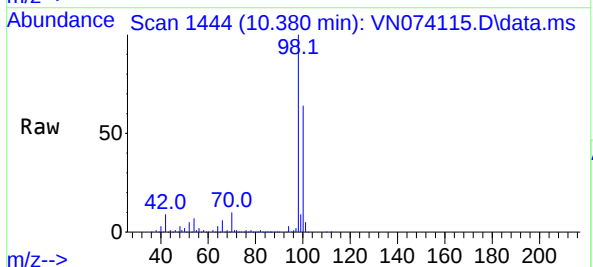
Instrument :
MSVOA_N
ClientSampleId :
P13147211

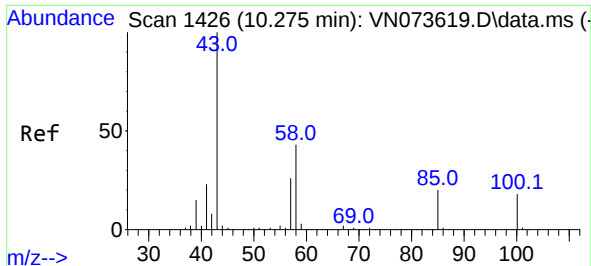
Tgt Ion: 88 Resp: 132
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 50.321 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

Tgt Ion: 98 Resp: 1053023
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.398 ug/l

RT: 10.269 min Scan# 1425

Delta R.T. -0.006 min

Lab File: VN074115.D

Acq: 25 Aug 2022 15:34

Instrument :

MSVOA_N

ClientSampleId :

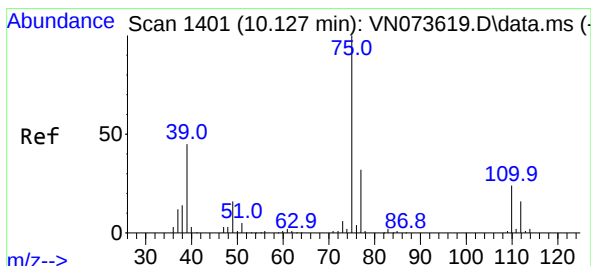
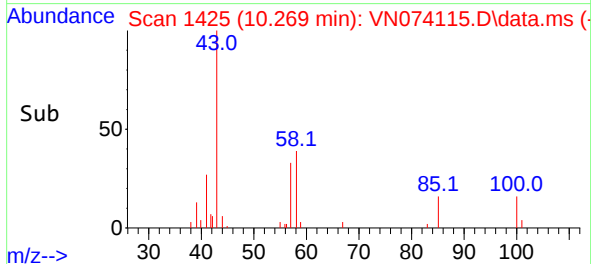
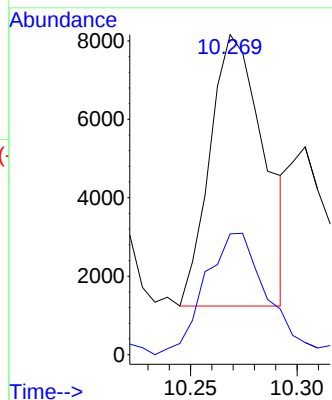
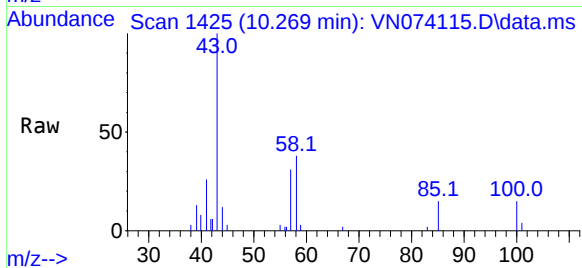
P13147211

Tgt Ion: 43 Resp: 12246

Ion Ratio Lower Upper

43 100

58 52.0 34.1 51.1#



#54

cis-1,3-Dichloropropene

Concen: 10.910 ug/l

RT: 10.186 min Scan# 1411

Delta R.T. 0.059 min

Lab File: VN074115.D

Acq: 25 Aug 2022 15:34

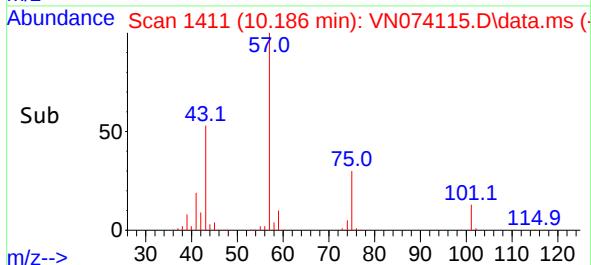
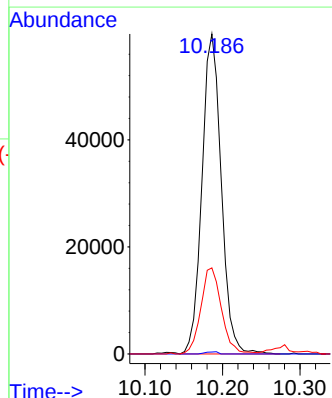
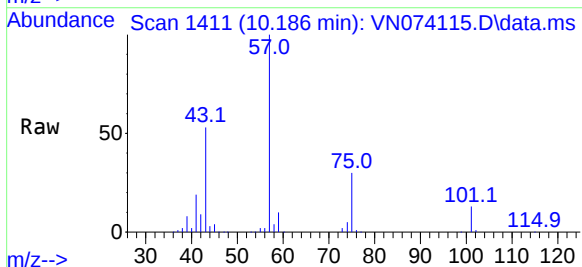
Tgt Ion: 75 Resp: 103338

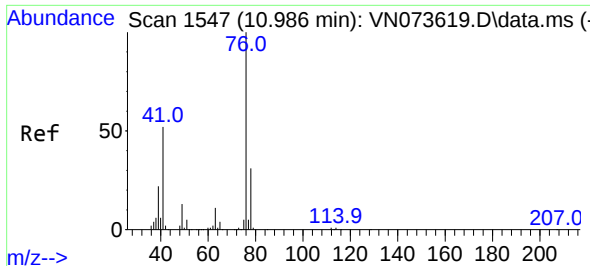
Ion Ratio Lower Upper

75 100

77 0.6 25.2 37.8#

39 26.9 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.489 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN074115.D

Acq: 25 Aug 2022 15:34

Instrument :

MSVOA_N

ClientSampleId :

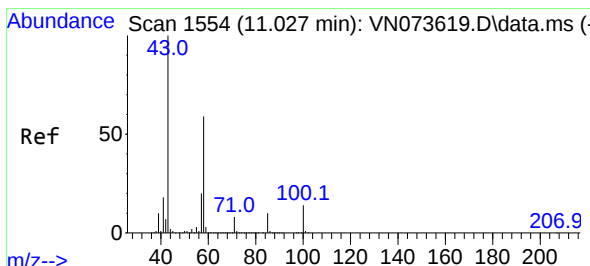
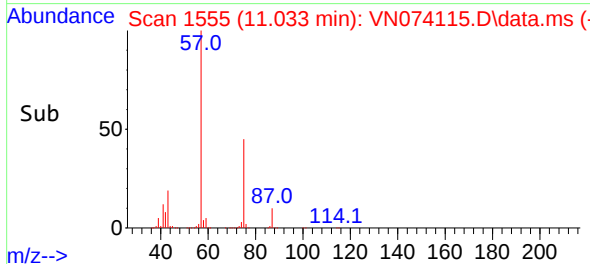
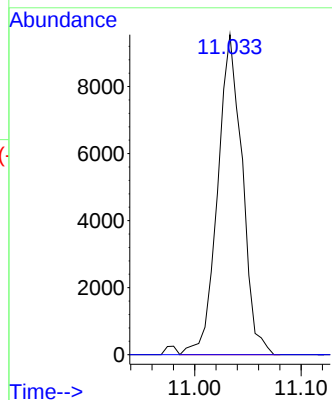
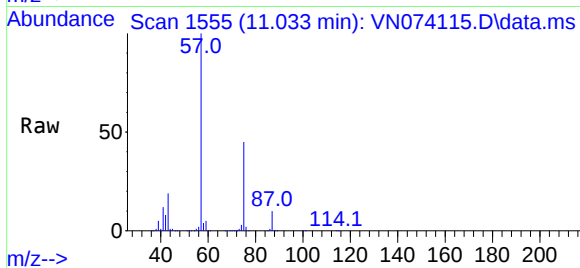
P13147211

Tgt Ion: 76 Resp: 15301

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 27.046 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN074115.D

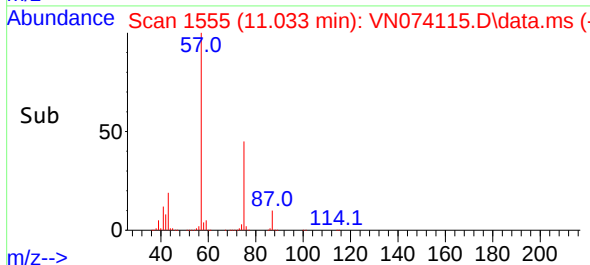
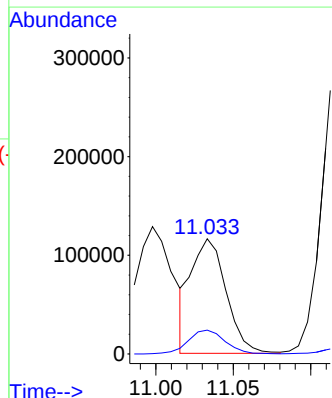
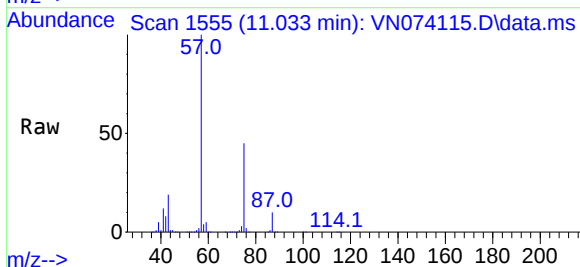
Acq: 25 Aug 2022 15:34

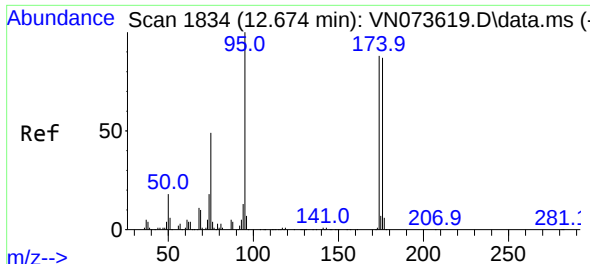
Tgt Ion: 43 Resp: 182277

Ion Ratio Lower Upper

43 100

58 22.1 29.7 89.1#

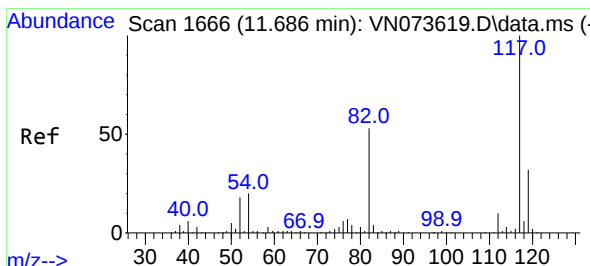
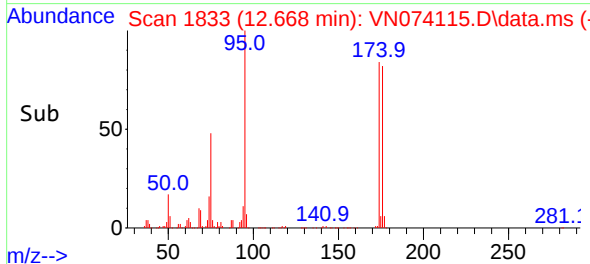
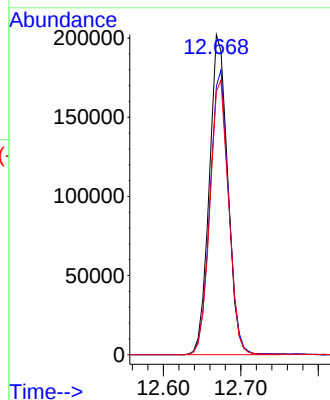
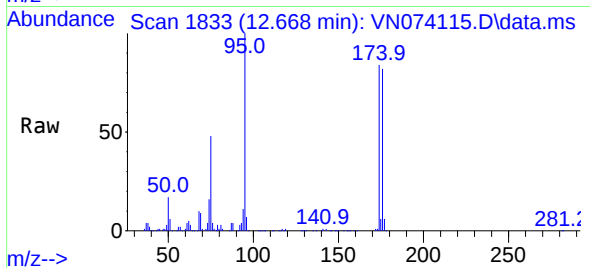




#62
4-Bromofluorobenzene
Concen: 48.047 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

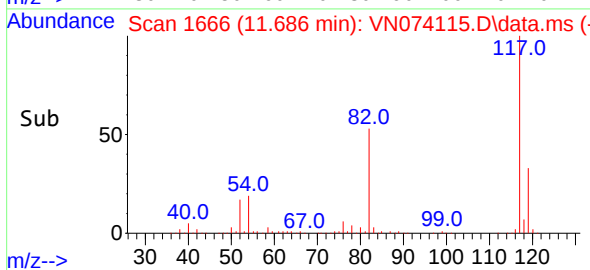
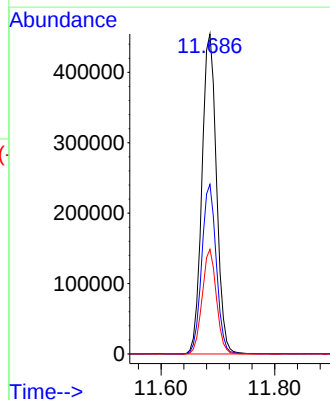
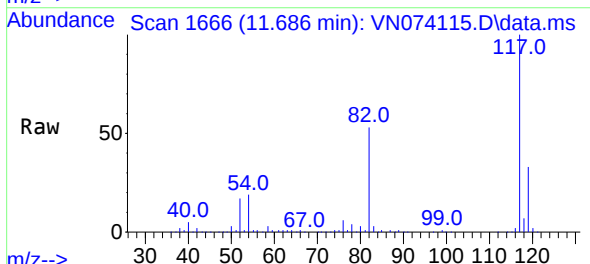
Instrument :
MSVOA_N
ClientSampleId :
P13147211

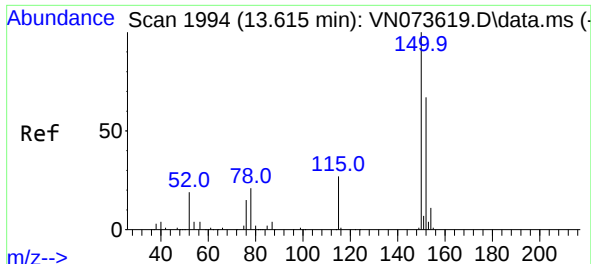
Tgt Ion: 95 Resp: 333688
Ion Ratio Lower Upper
95 100
174 90.0 0.0 167.6
176 87.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

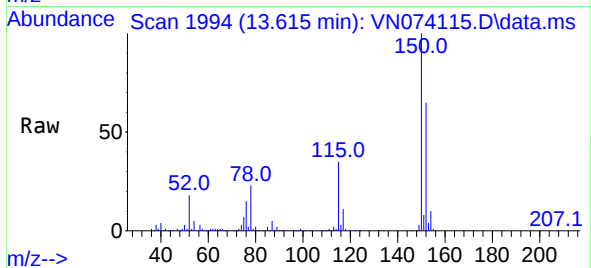
Tgt Ion: 117 Resp: 808001
Ion Ratio Lower Upper
117 100
82 53.0 44.2 66.2
119 32.7 25.4 38.0



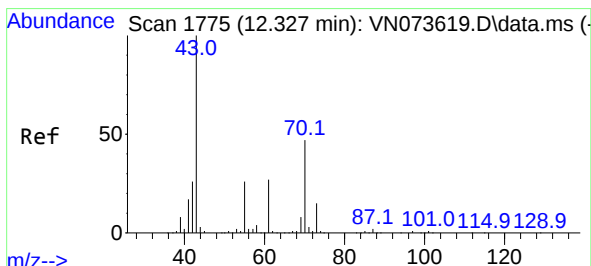
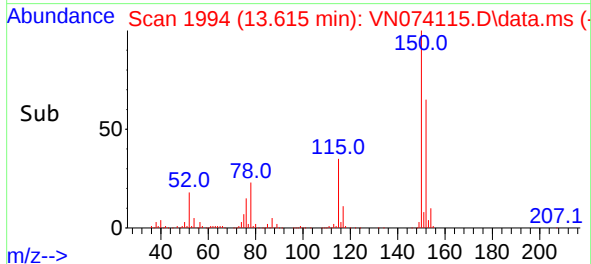
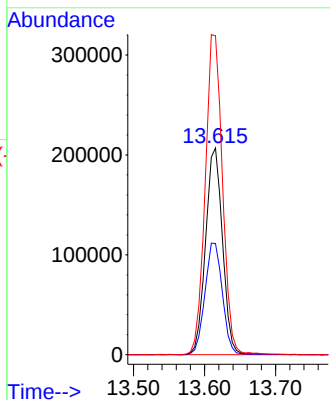


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

Instrument :
MSVOA_N
ClientSampleId :
P13147211

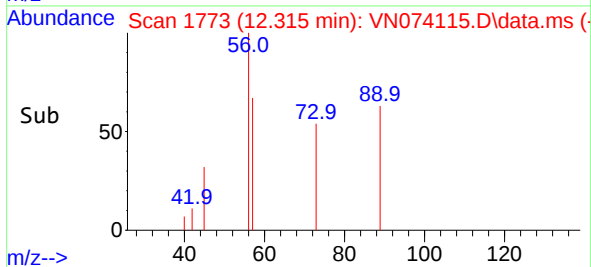
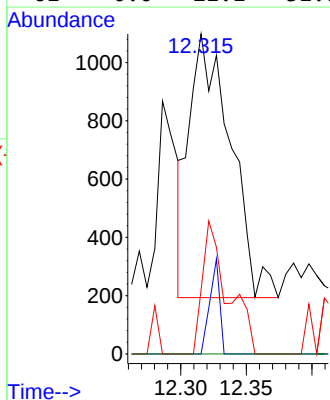
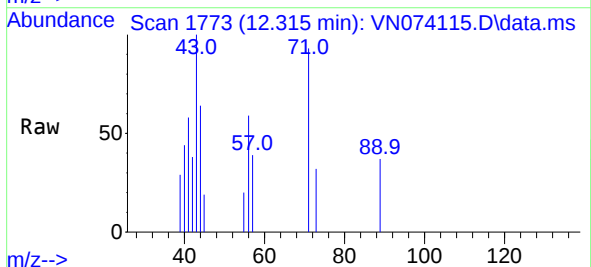


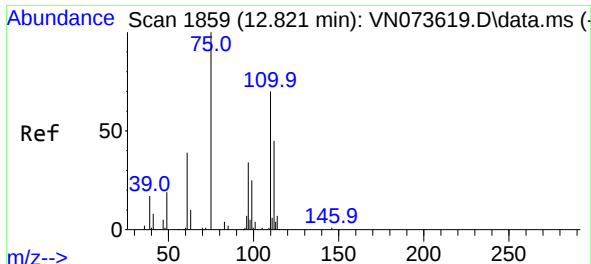
Tgt Ion:152 Resp: 343724
Ion Ratio Lower Upper
152 100
115 55.8 28.9 86.7
150 157.8 0.0 356.2



#74
N-ethyl acetate
Concen: 0.210 ug/l
RT: 12.315 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN074115.D
Acq: 25 Aug 2022 15:34

Tgt Ion: 43 Resp: 1983
Ion Ratio Lower Upper
43 100
70 8.6 39.0 58.4#
55 31.0 21.1 31.7
61 0.0 21.1 31.7#

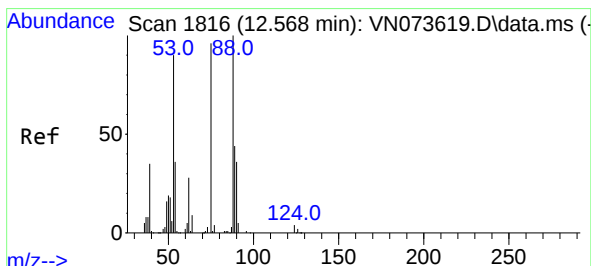
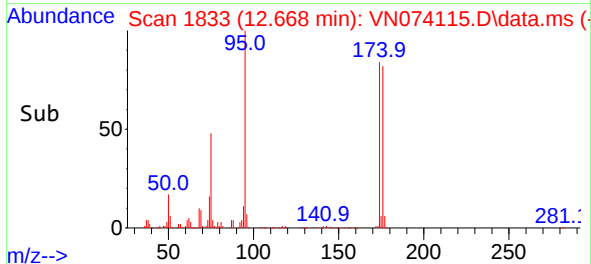
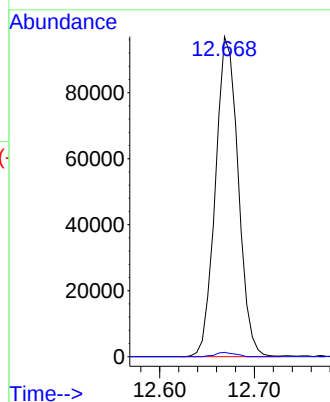
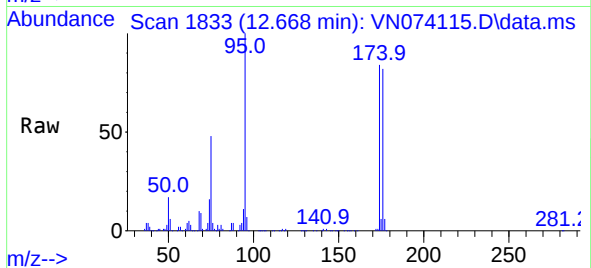




#76
 1,2,3-Trichloropropane
 Concen: 22.723 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. -0.153 min
 Lab File: VN074115.D
 Acq: 25 Aug 2022 15:34

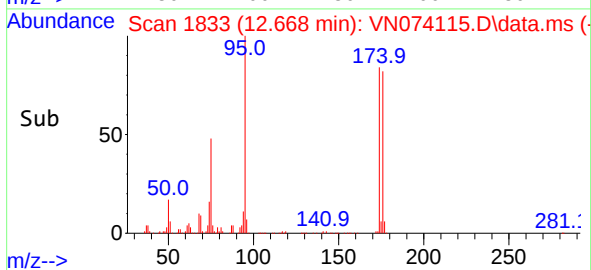
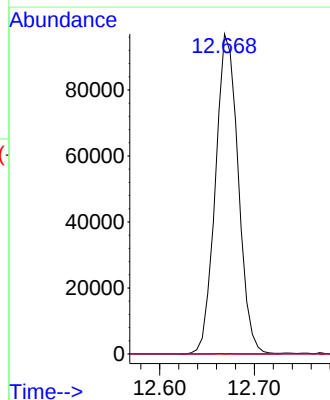
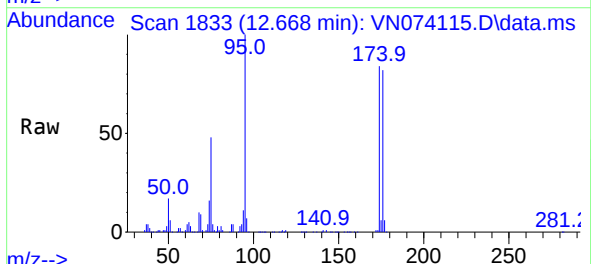
Instrument :
 MSVOA_N
 ClientSampleId :
 P13147211

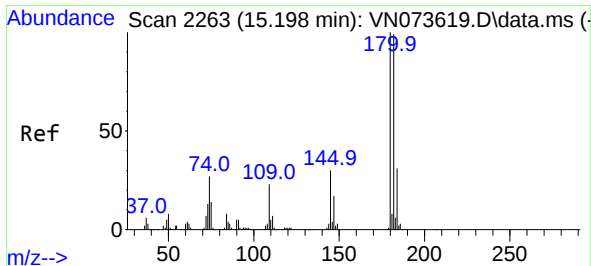
Tgt Ion: 75 Resp: 162338
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.628 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. 0.100 min
 Lab File: VN074115.D
 Acq: 25 Aug 2022 15:34

Tgt Ion: 75 Resp: 162338
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#





#93

1,2,4-Trichlorobenzene

Concen: 0.368 ug/l

RT: 15.198 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN074115.D

Acq: 25 Aug 2022 15:34

Instrument :

MSVOA_N

ClientSampleId :

P13147211

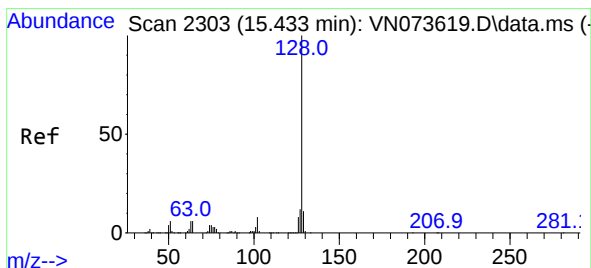
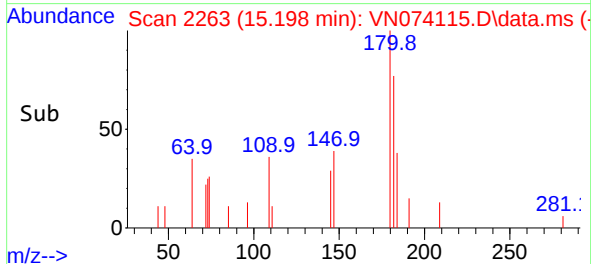
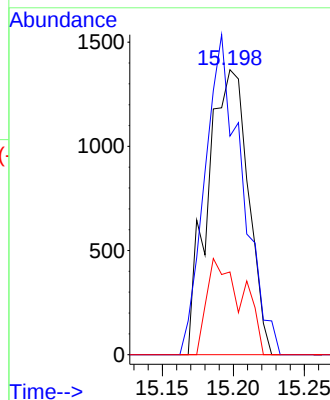
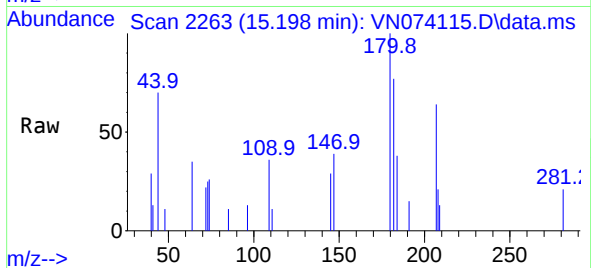
Tgt Ion:180 Resp: 2715

Ion Ratio Lower Upper

180 100

182 102.9 47.5 142.5

145 29.4 14.5 43.5



#95

Naphthalene

Concen: 0.509 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN074115.D

Acq: 25 Aug 2022 15:34

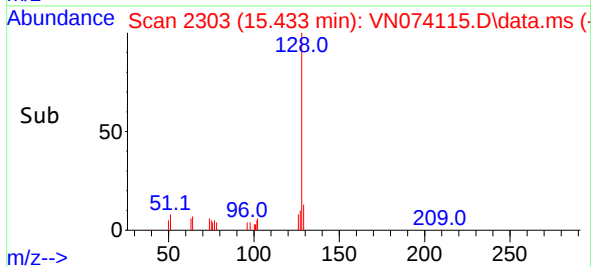
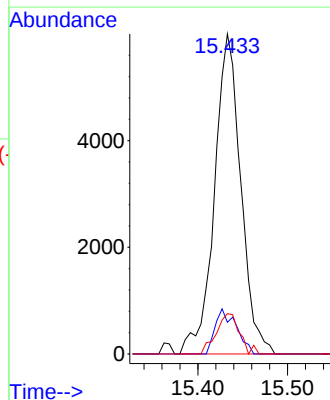
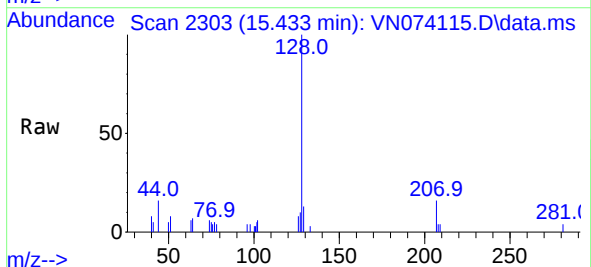
Tgt Ion:128 Resp: 12249

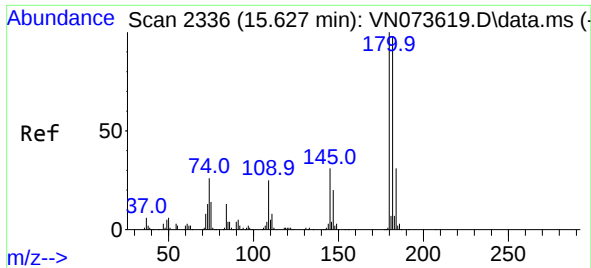
Ion Ratio Lower Upper

128 100

127 11.3 10.3 15.5

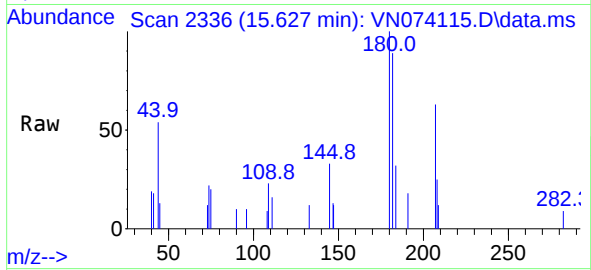
129 11.1 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.424 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN074115.D
 Acq: 25 Aug 2022 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 P13147211



Tgt Ion:	180	Resp:	3235
Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.8	143.3
145	36.4	15.5	46.5

