

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022322\
 Data File : VN071038.D
 Acq On : 23 Feb 2022 17:20
 Operator : JC\MD
 Sample : N1642-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31453

Quant Time: Feb 24 00:40:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

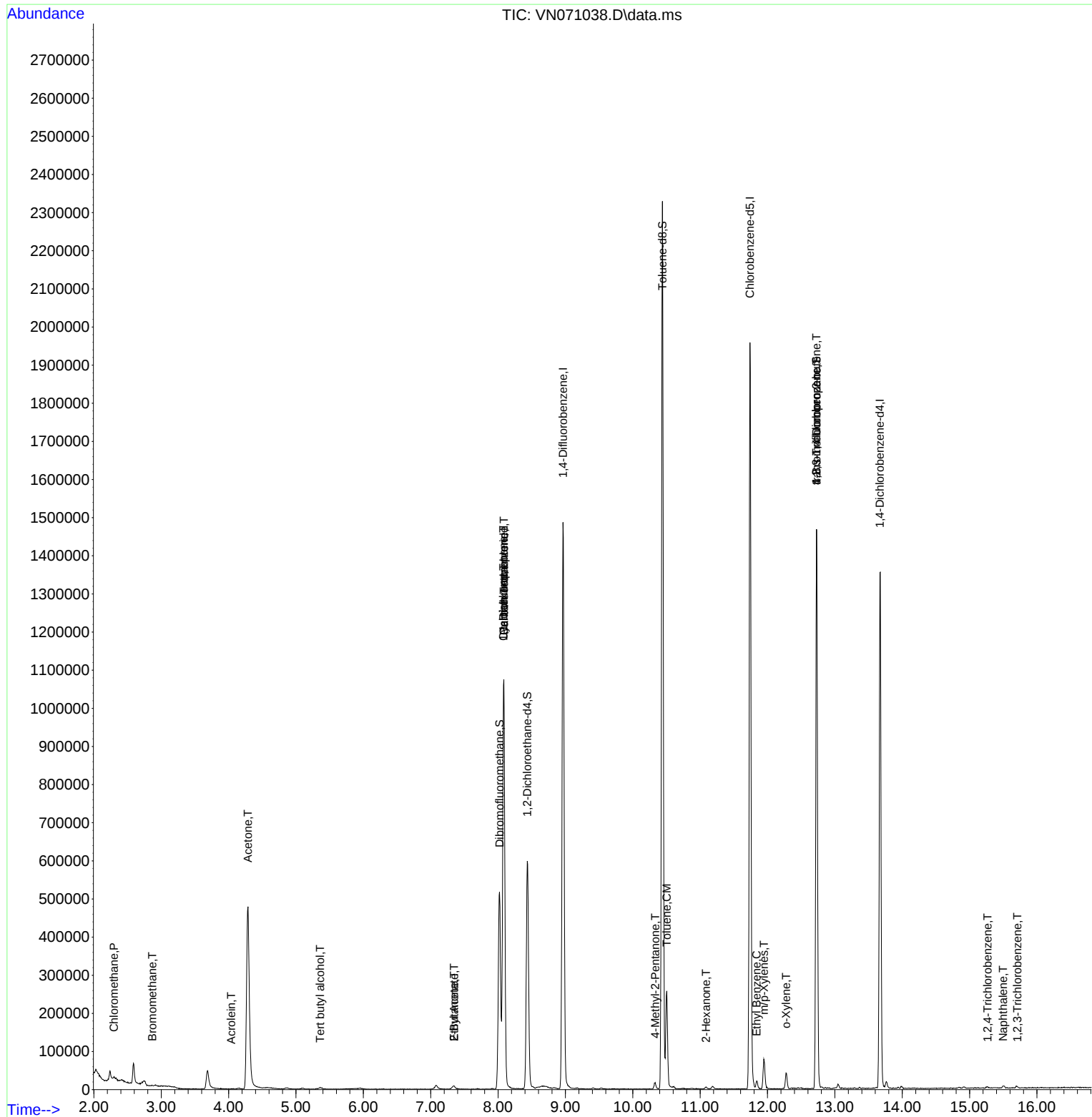
Internal Standards						
1) Pentafluorobenzene	8.087	168	845115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1335780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1173488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	393542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	498641	51.652	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.300%	
35) Dibromofluoromethane	8.022	113	387548	48.777	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.560%	
50) Toluene-d8	10.439	98	1617449	50.692	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.380%	
62) 4-Bromofluorobenzene	12.727	95	525231	46.052	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 92.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2684	0.243	ug/l	90
5) Bromomethane	2.869	94	1351	0.215	ug/l	90
11) Tert butyl alcohol	5.357	59	7894	4.487	ug/l #	75
13) Acrolein	4.040	56	362	0.230	ug/l #	41
16) Acetone	4.287	43	917745	172.618	ug/l	93
18) Methyl Acetate	4.863	43	6997	Below Cal	#	86
25) 2-Butanone	7.345	43	17577	2.485	ug/l	99
31) Cyclohexane	8.081	56	16745	1.003	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	63741	4.897	ug/l #	48
37) Ethyl Acetate	7.345	43	17577	1.259	ug/l #	68
38) Carbon Tetrachloride	8.087	117	80712	6.293	ug/l #	16
51) 4-Methyl-2-Pentanone	10.333	43	13437	1.004	ug/l	99
52) Toluene	10.504	92	109876	4.541	ug/l	95
59) 2-Hexanone	11.086	43	4117	0.447	ug/l	98
67) Ethyl Benzene	11.839	91	13741	0.310	ug/l	95
68) m/p-Xylenes	11.945	106	24953	1.460	ug/l	99
69) o-Xylene	12.275	106	10506	0.629	ug/l	89
76) 1,2,3-Trichloropropane	12.727	75	266397	28.750	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	266397	93.163	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	1392	2.183	ug/l #	70
95) Naphthalene	15.498	128	6590	5.327	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.710	180	1697	2.757	ug/l	91

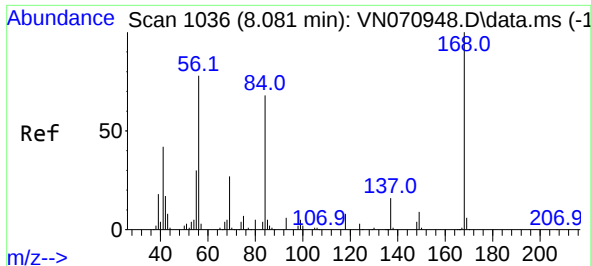
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

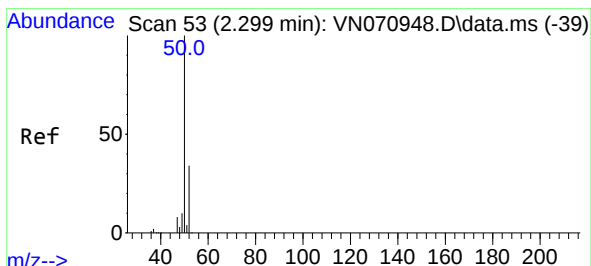
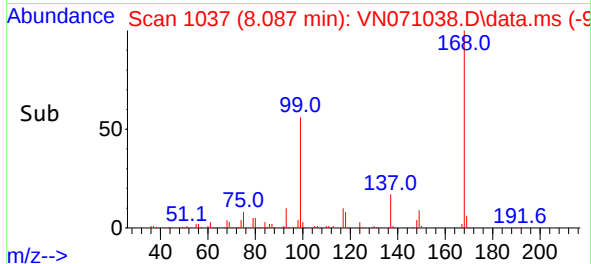
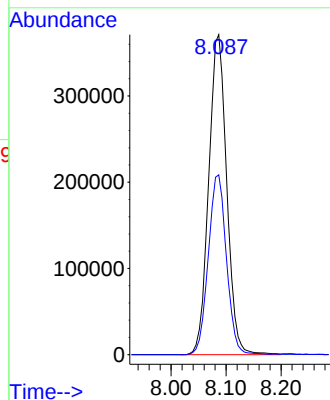
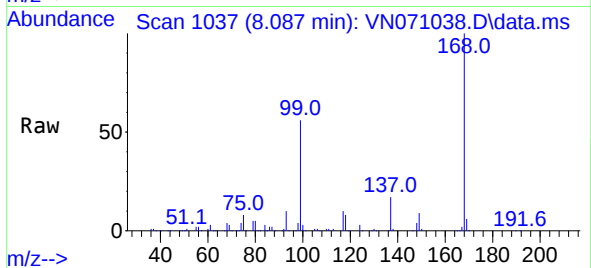




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

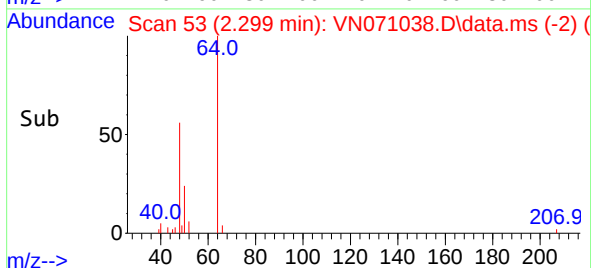
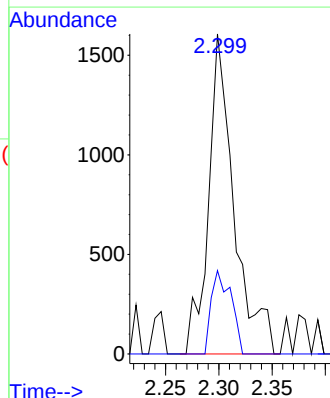
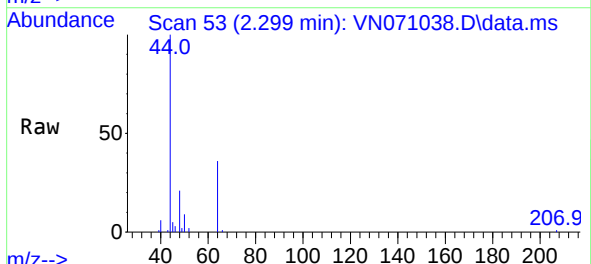
Instrument :
MSVOA_N
ClientSampleId :
31453

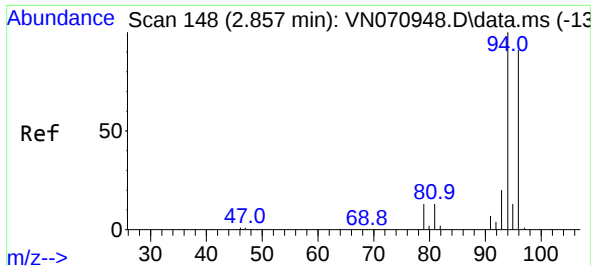
Tgt Ion:168 Resp: 845115
Ion Ratio Lower Upper
168 100
99 56.2 41.3 61.9



#3
Chloromethane
Concen: 0.243 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

Tgt Ion: 50 Resp: 2684
Ion Ratio Lower Upper
50 100
52 26.1 25.4 38.0

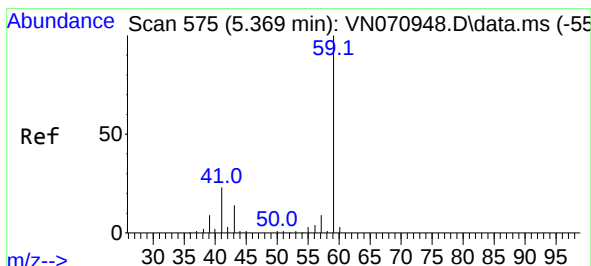
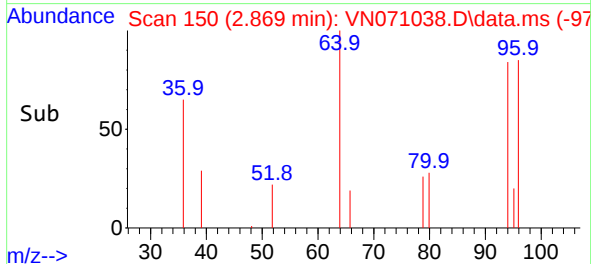
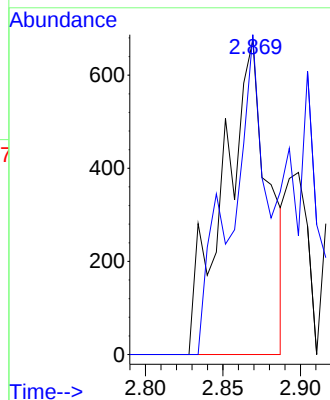
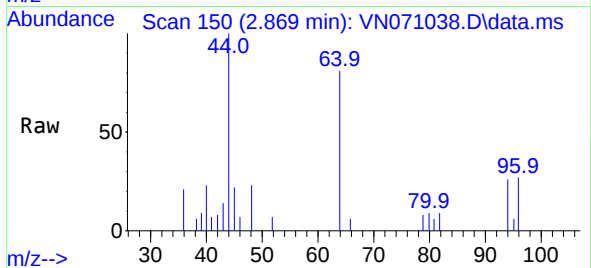




#5
Bromomethane
Concen: 0.215 ug/l
RT: 2.869 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

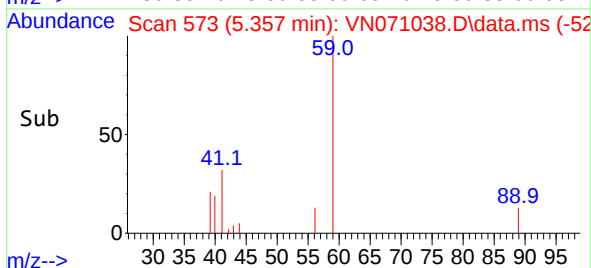
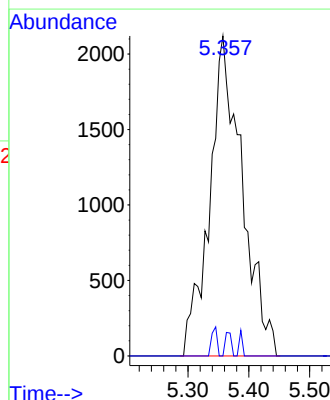
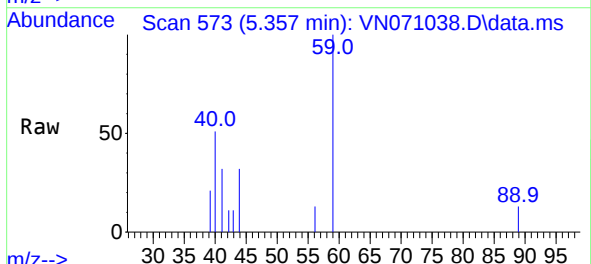
Instrument :
MSVOA_N
ClientSampleId :
31453

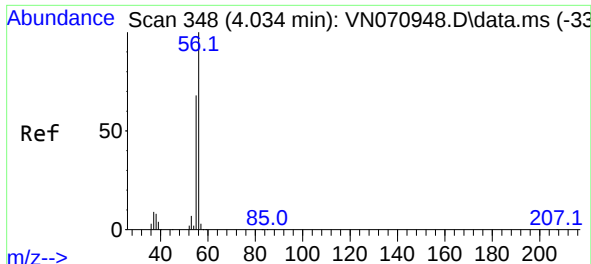
Tgt Ion: 94 Resp: 1351
Ion Ratio Lower Upper
94 100
96 101.8 73.8 110.8



#11
Tert butyl alcohol
Concen: 4.487 ug/l
RT: 5.357 min Scan# 573
Delta R.T. -0.012 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

Tgt Ion: 59 Resp: 7894
Ion Ratio Lower Upper
59 100
57 1.4 8.7 13.1#

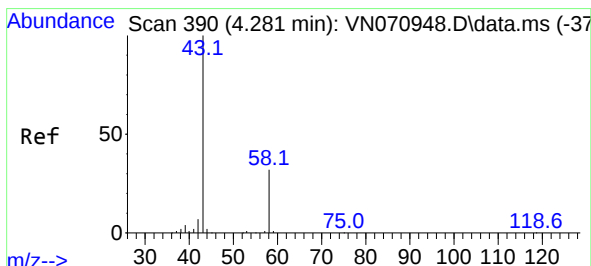
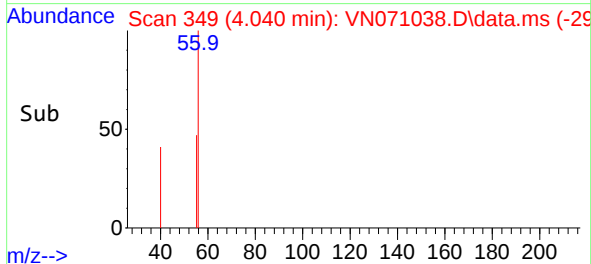
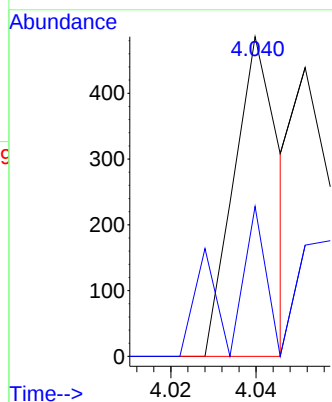
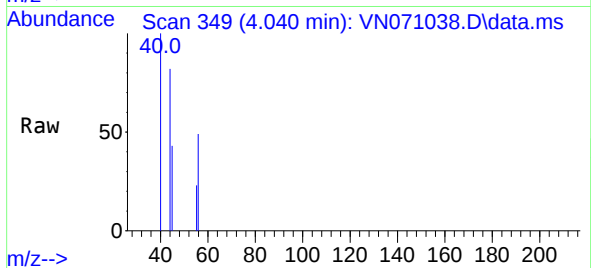




#13
Acrolein
Concen: 0.230 ug/l
RT: 4.040 min Scan# 348
Delta R.T. 0.006 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

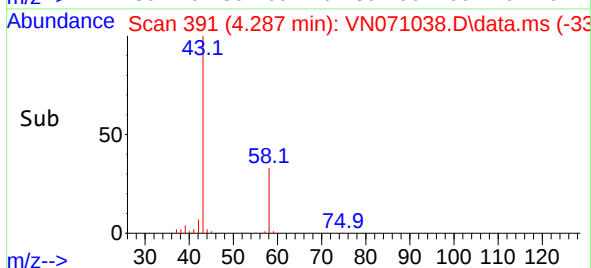
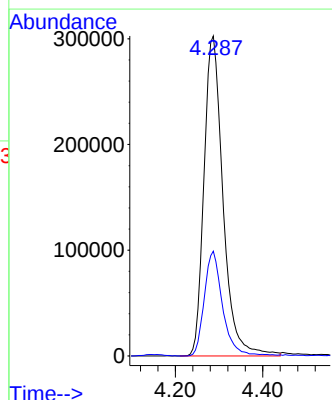
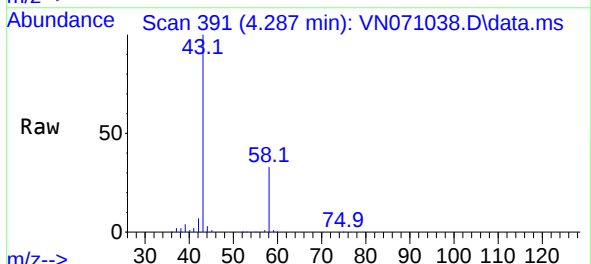
Instrument :
MSVOA_N
ClientSampleId :
31453

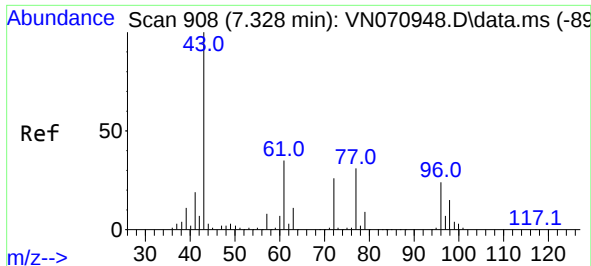
Tgt Ion: 56 Resp: 362
Ion Ratio Lower Upper
56 100
55 22.1 56.6 85.0#



#16
Acetone
Concen: 172.618 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

Tgt Ion: 43 Resp: 917745
Ion Ratio Lower Upper
43 100
58 32.7 23.1 34.7

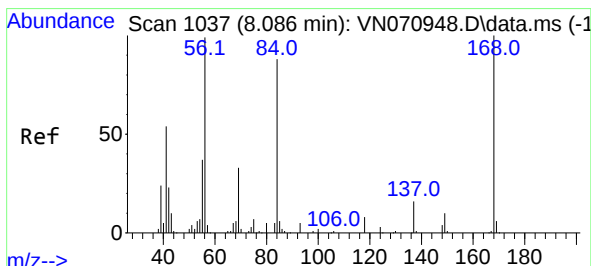
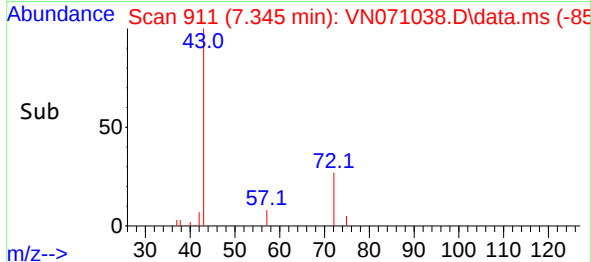
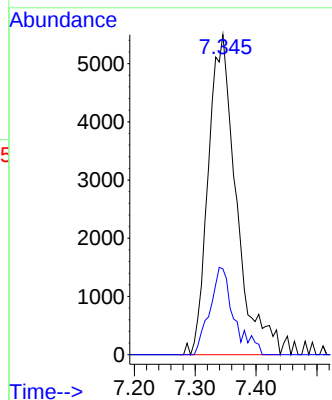
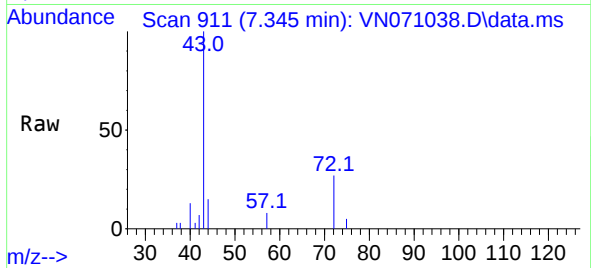




#25
2-Butanone
Concen: 2.485 ug/l
RT: 7.345 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

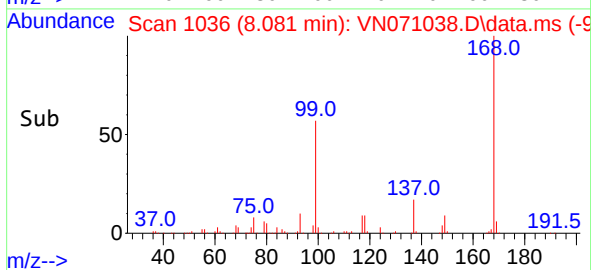
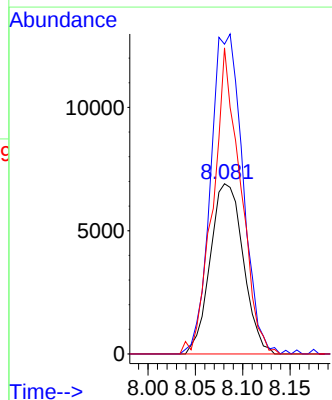
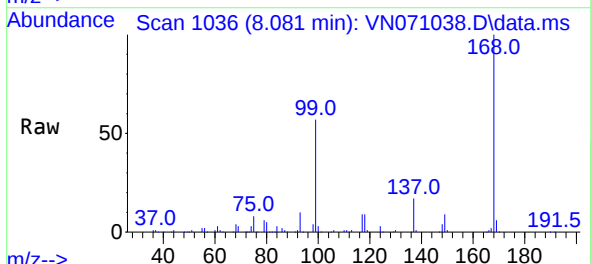
Instrument :
MSVOA_N
ClientSampleId :
31453

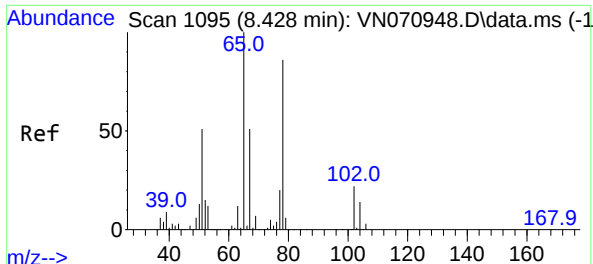
Tgt Ion: 43 Resp: 17577
Ion Ratio Lower Upper
43 100
72 26.8 21.7 32.5



#31
Cyclohexane
Concen: 1.003 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

Tgt Ion: 56 Resp: 16745
Ion Ratio Lower Upper
56 100
69 182.0 27.1 40.7#
84 179.8 73.4 110.0#

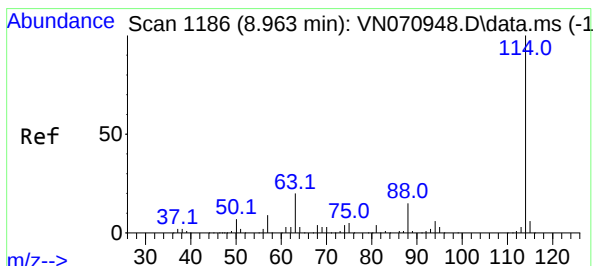
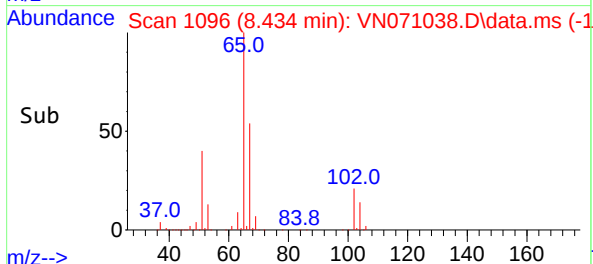
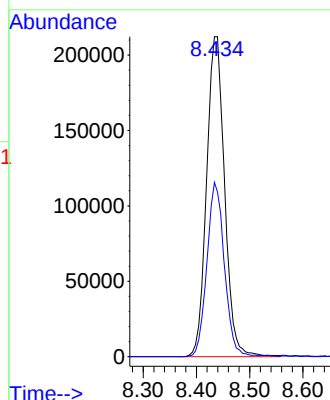
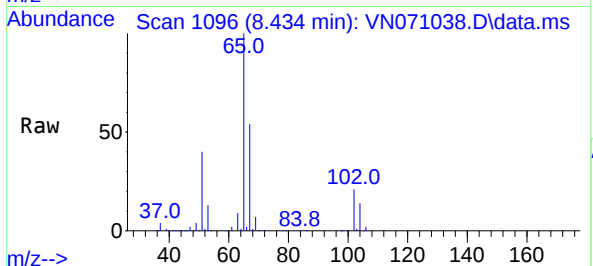




#33
1,2-Dichloroethane-d4
Concen: 51.652 ug/l
RT: 8.434 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

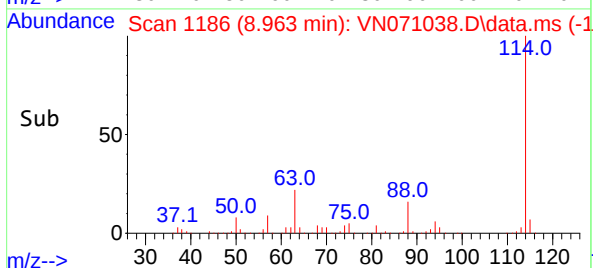
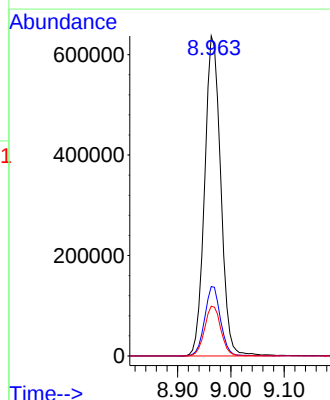
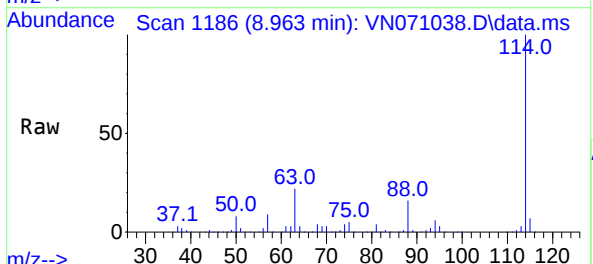
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MSVOA_N
ClientSampleId :
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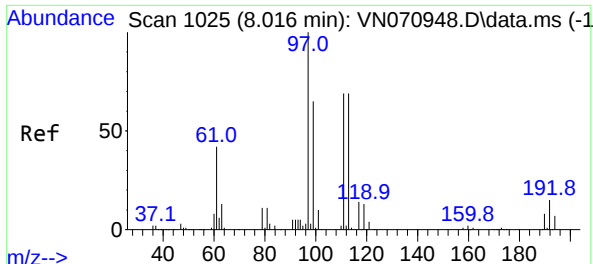
Tgt Ion: 65 Resp: 498641
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

Tgt Ion: 114 Resp: 1335780
Ion Ratio Lower Upper
114 100
63 21.7 0.0 37.8
88 15.6 0.0 27.4

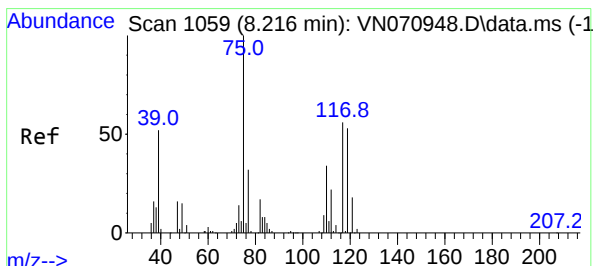
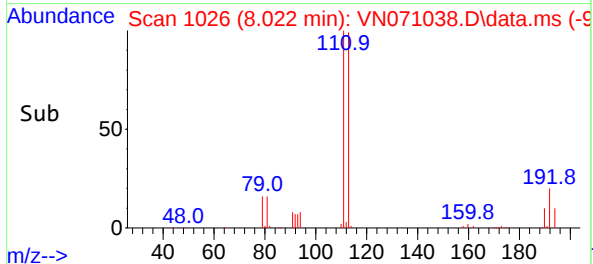
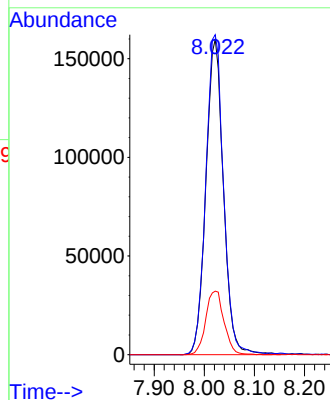
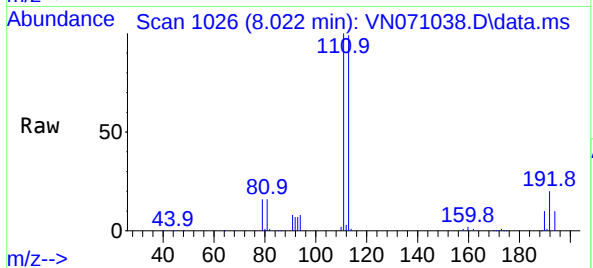




#35
Dibromofluoromethane
Concen: 48.777 ug/l
RT: 8.022 min Scan# 1025
Delta R.T. 0.006 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

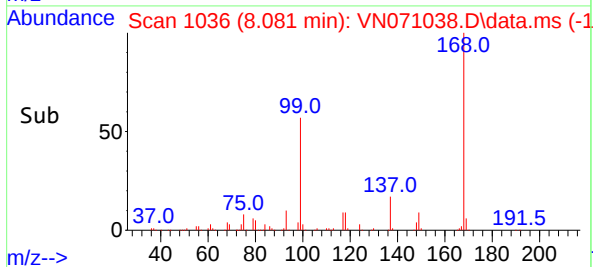
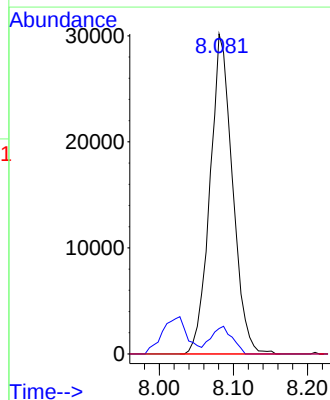
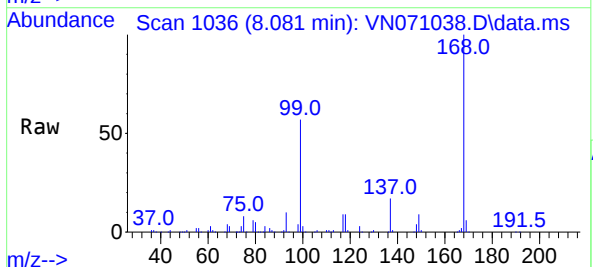
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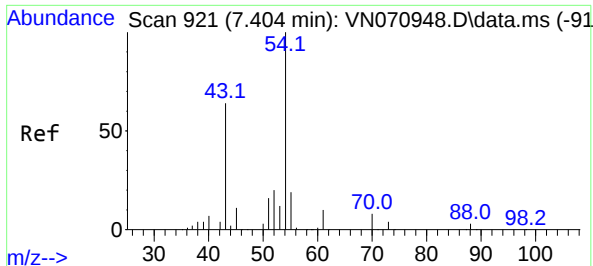
Tgt Ion:113 Resp: 387548
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 21.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.897 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

Tgt Ion: 75 Resp: 63741
Ion Ratio Lower Upper
75 100
110 8.1 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.259 ug/l

RT: 7.345 min Scan# 91

Delta R.T. -0.059 min

Lab File: VN071038.D

Acq: 23 Feb 2022 17:20

Instrument :

MSVOA_N

ClientSampleId :

31453

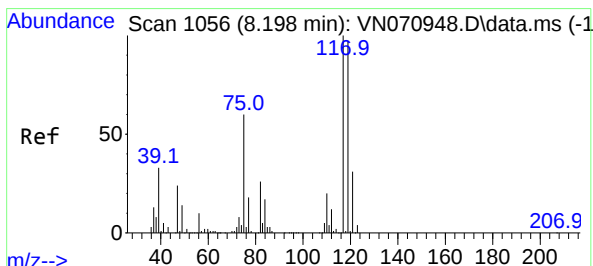
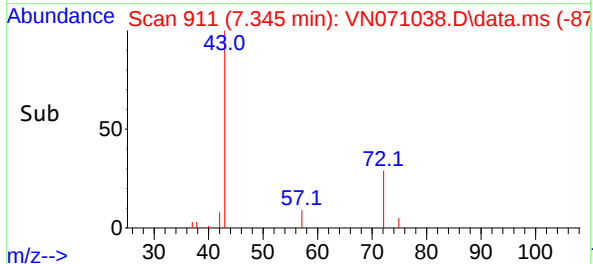
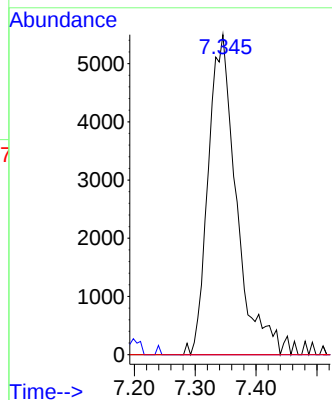
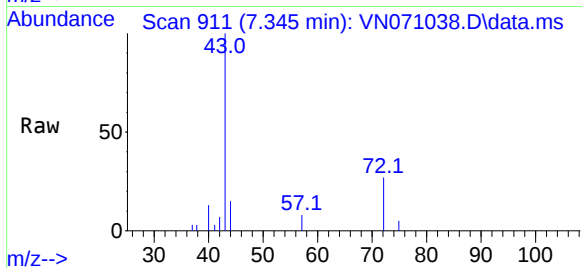
Tgt Ion: 43 Resp: 17577

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 6.293 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.112 min

Lab File: VN071038.D

Acq: 23 Feb 2022 17:20

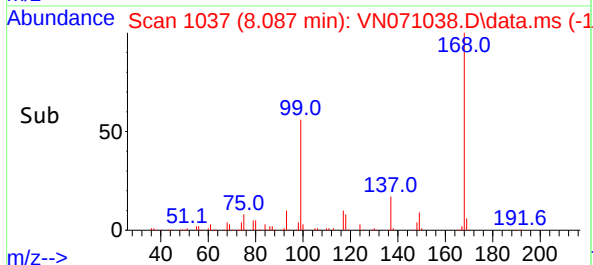
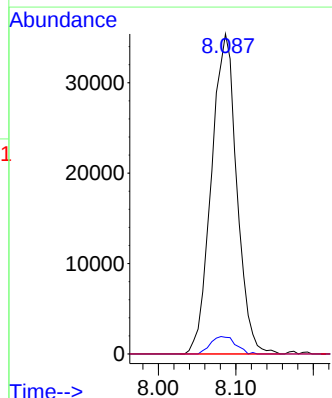
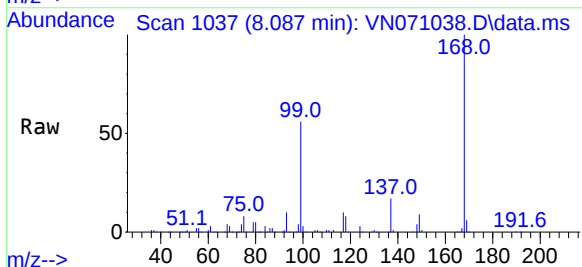
Tgt Ion: 117 Resp: 80712

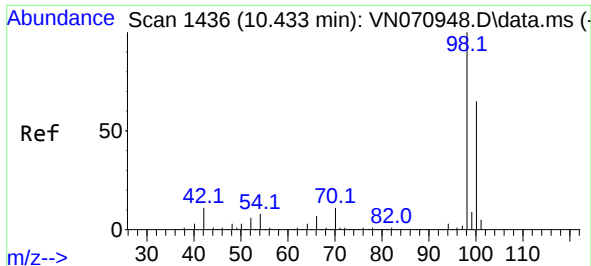
Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

121 0.0 24.2 36.2#

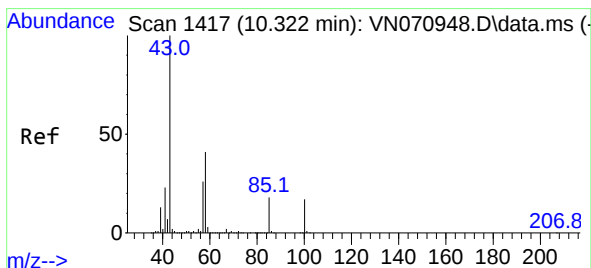
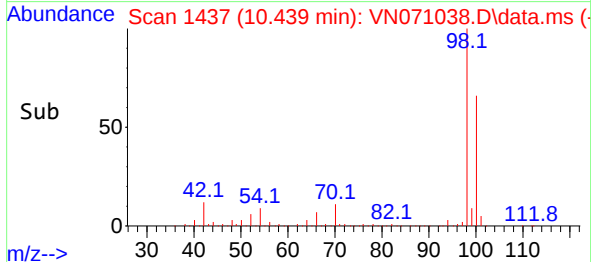
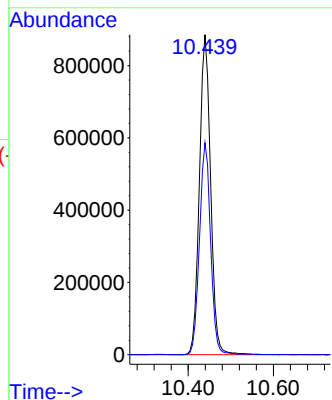
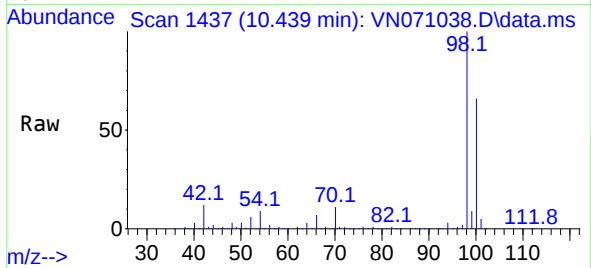




#50
Toluene-d8
Concen: 50.692 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

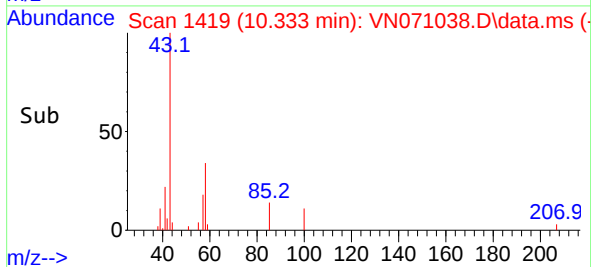
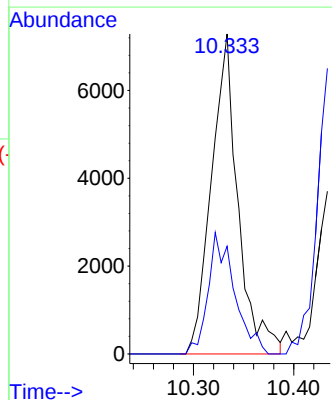
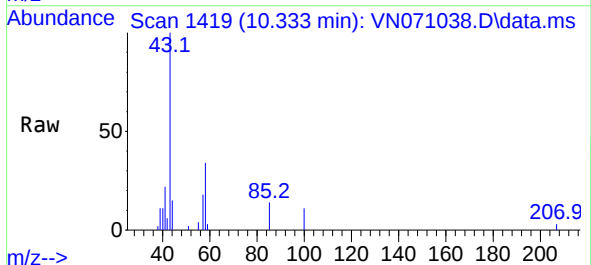
Instrument :
MSVOA_N
ClientSampleId :
31453

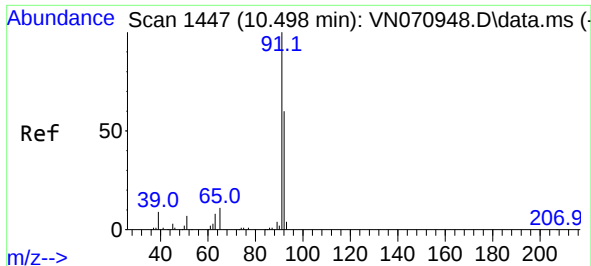
Tgt Ion: 98 Resp: 1617449
Ion Ratio Lower Upper
98 100
100 65.8 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.004 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.012 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

Tgt Ion: 43 Resp: 13437
Ion Ratio Lower Upper
43 100
58 37.7 30.4 45.6

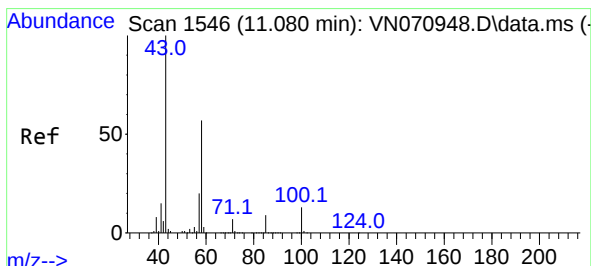
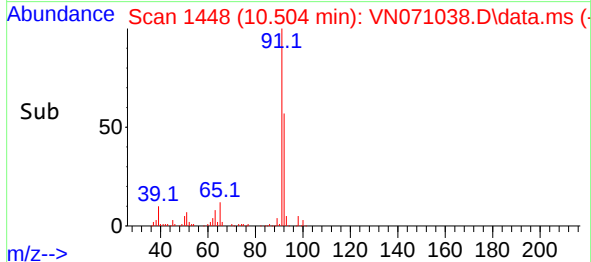
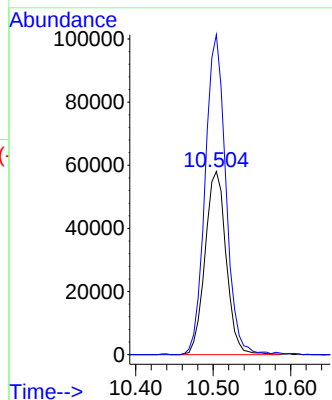
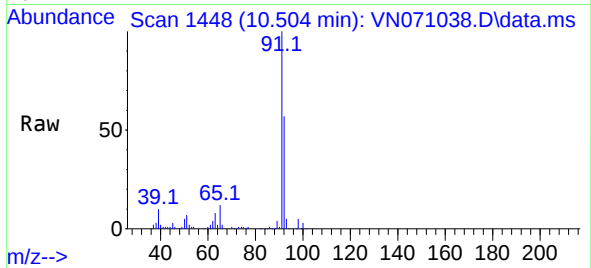




#52
Toluene
Concen: 4.541 ug/l
RT: 10.504 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

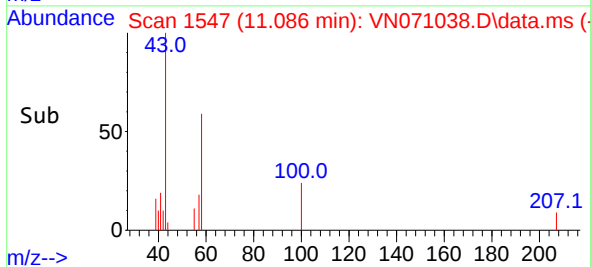
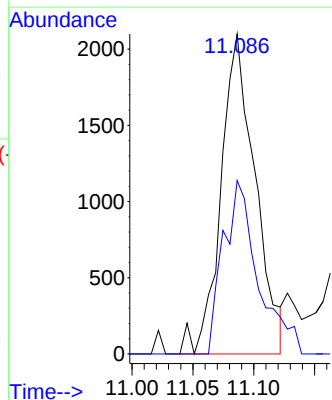
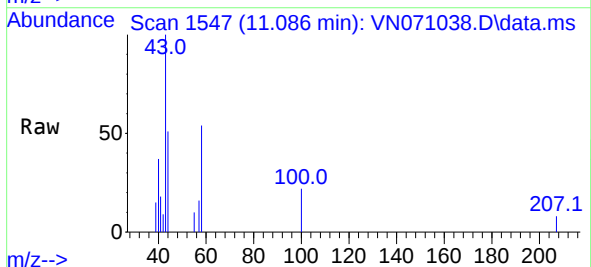
Instrument :
MSVOA_N
ClientSampleId :
31453

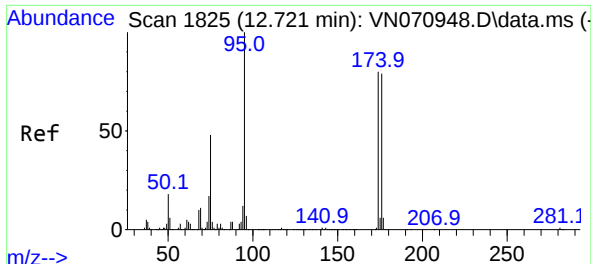
Tgt Ion: 92 Resp: 109876
Ion Ratio Lower Upper
92 100
91 170.7 142.0 213.0



#59
2-Hexanone
Concen: 0.447 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

Tgt Ion: 43 Resp: 4117
Ion Ratio Lower Upper
43 100
58 54.9 26.9 80.7



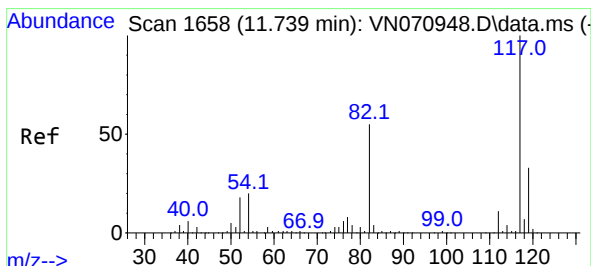
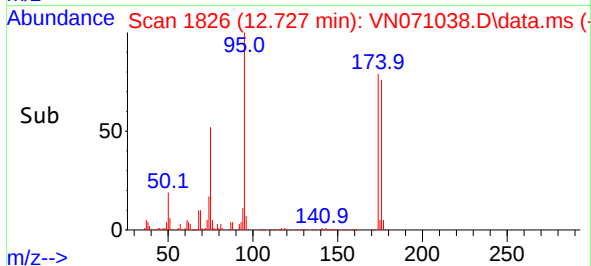
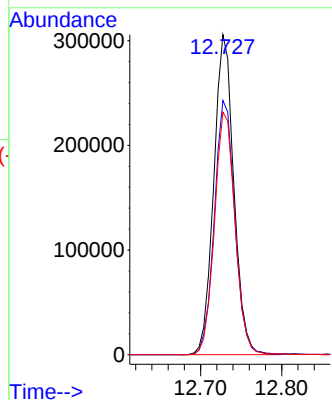
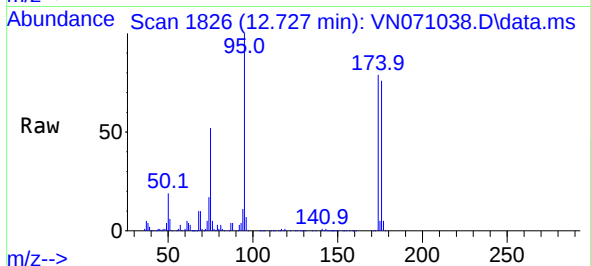


#62
4-Bromofluorobenzene
Concen: 46.052 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

Instrument :
MSVOA_N
ClientSampleId :
31453

Tgt Ion: 95 Resp: 525231

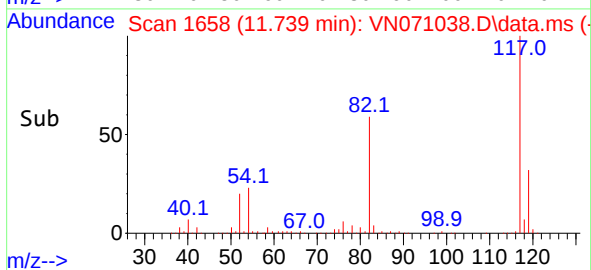
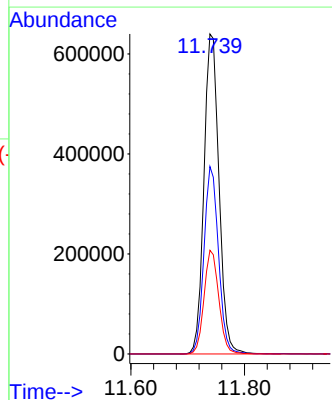
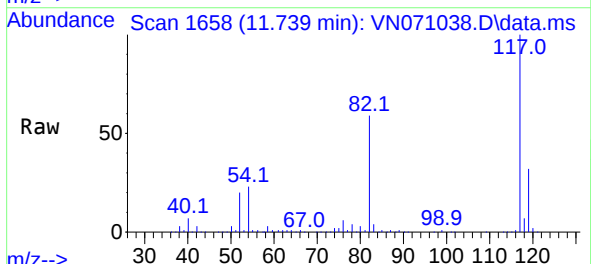
Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	187.2
176	77.4	0.0	181.4

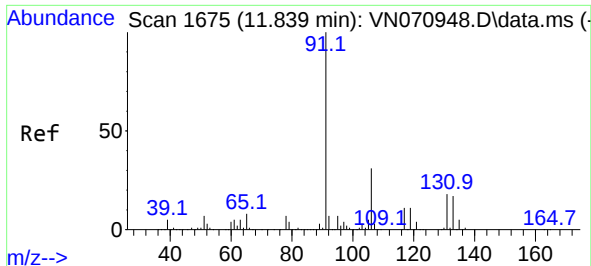


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

Tgt Ion: 117 Resp: 1173488

Ion	Ratio	Lower	Upper
117	100		
82	58.5	42.4	63.6
119	32.4	25.4	38.2

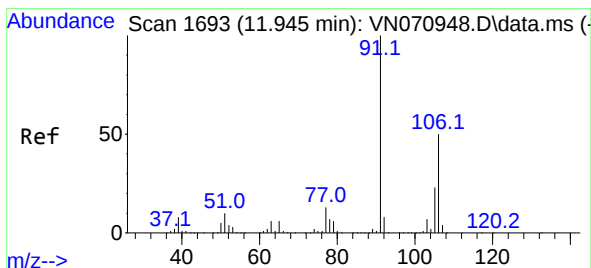
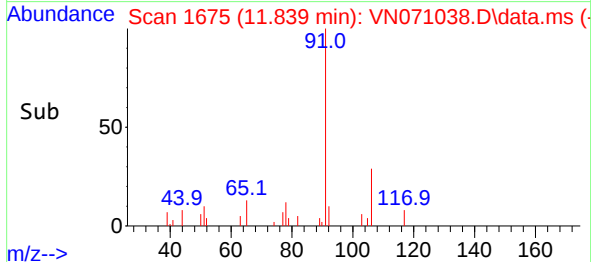
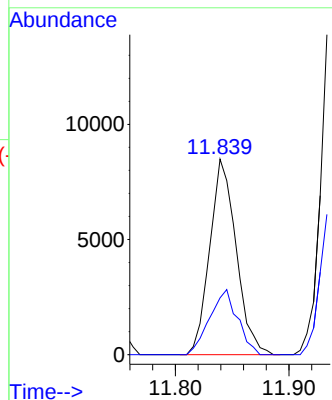
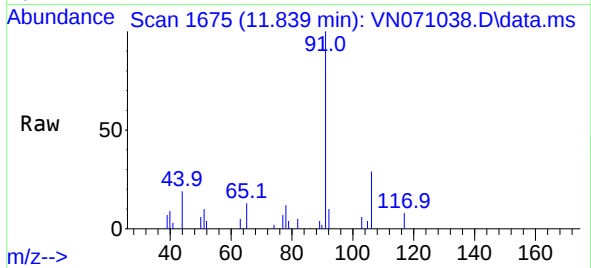




#67
Ethyl Benzene
Concen: 0.310 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

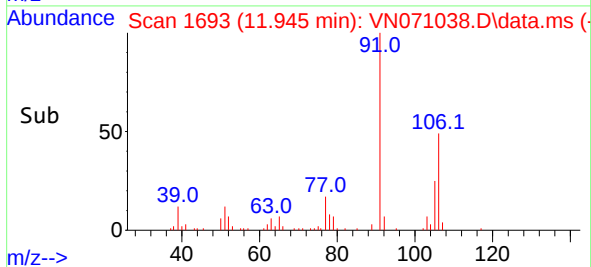
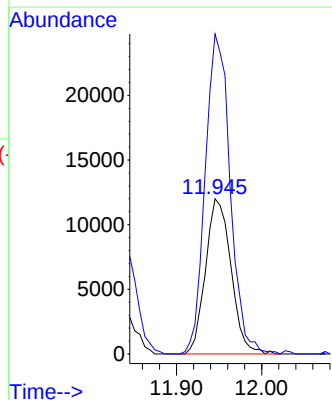
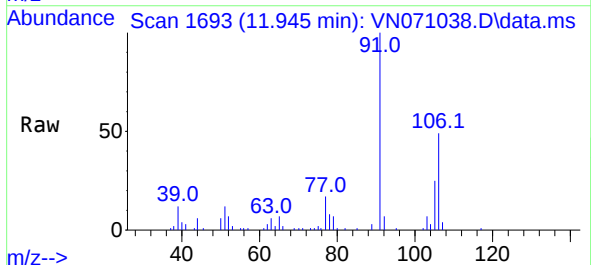
Instrument :
MSVOA_N
ClientSampleId :
31453

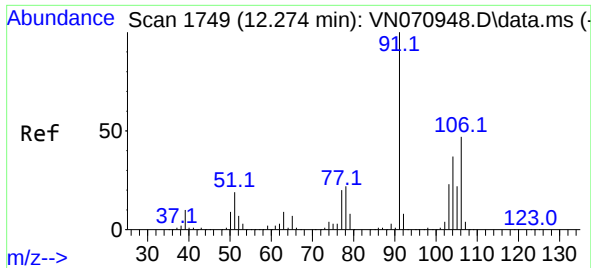
Tgt Ion: 91 Resp: 13741
Ion Ratio Lower Upper
91 100
106 29.0 25.7 38.5



#68
m/p-Xylenes
Concen: 1.460 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

Tgt Ion: 106 Resp: 24953
Ion Ratio Lower Upper
106 100
91 201.7 160.6 240.8

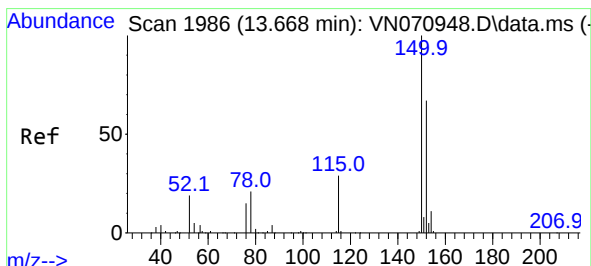
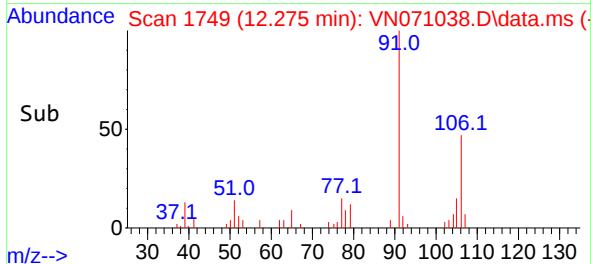
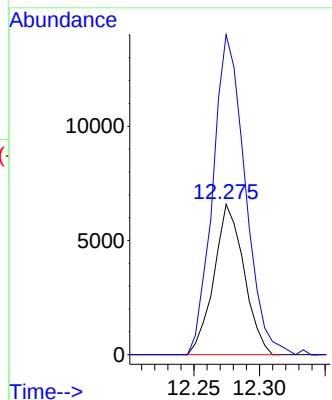
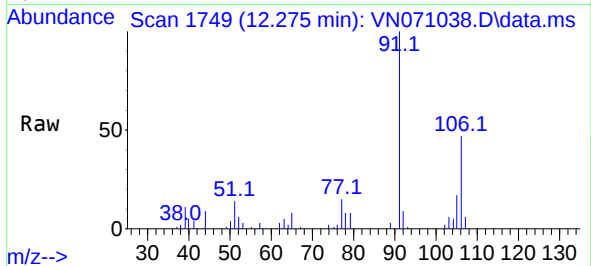




#69
o-Xylene
Concen: 0.629 ug/l
RT: 12.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

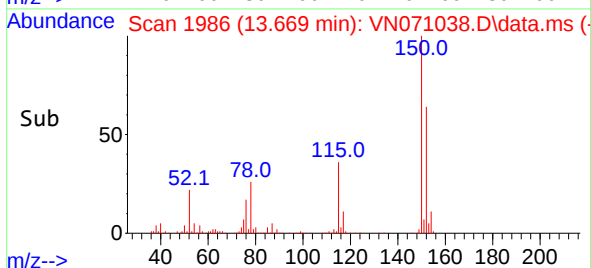
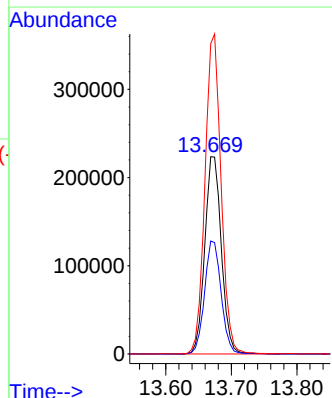
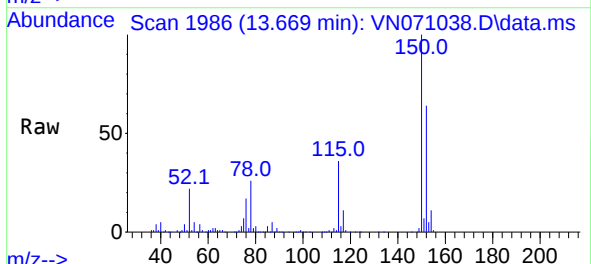
Instrument :
MSVOA_N
ClientSampleId :
31453

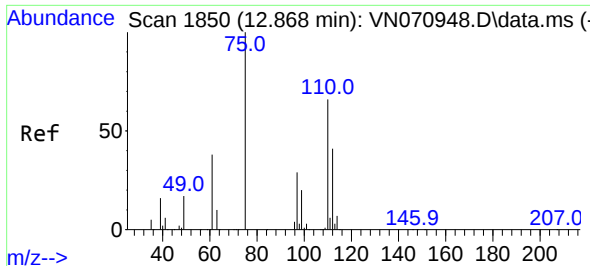
Tgt Ion:106 Resp: 10506
Ion Ratio Lower Upper
106 100
91 228.8 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

Tgt Ion:152 Resp: 393542
Ion Ratio Lower Upper
152 100
115 57.3 27.5 82.5
150 157.5 0.0 344.4

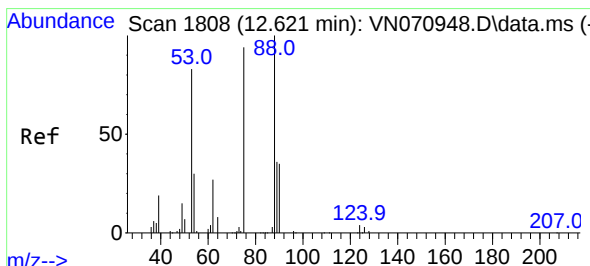
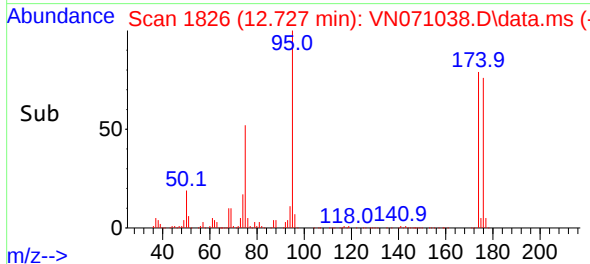
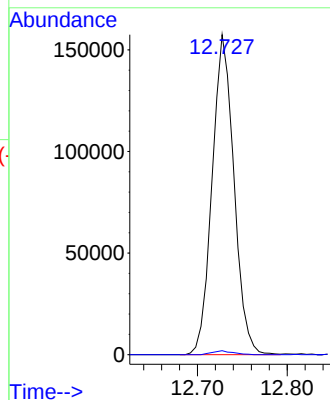
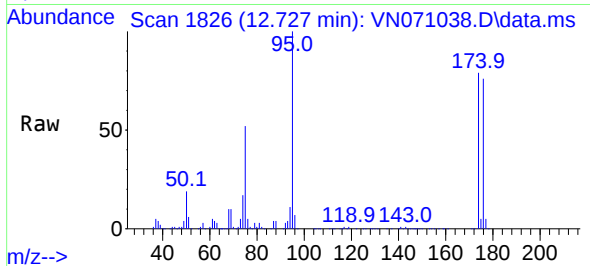




#76
1,2,3-Trichloropropane
Concen: 28.750 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

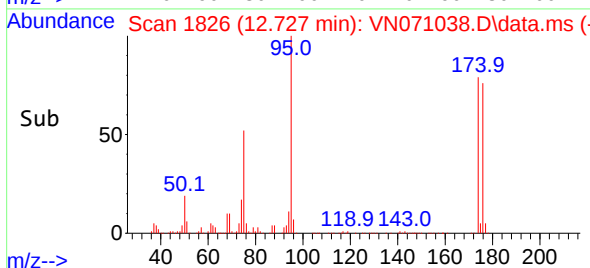
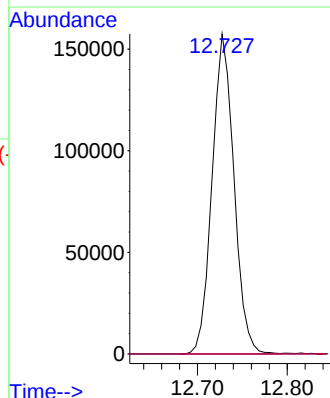
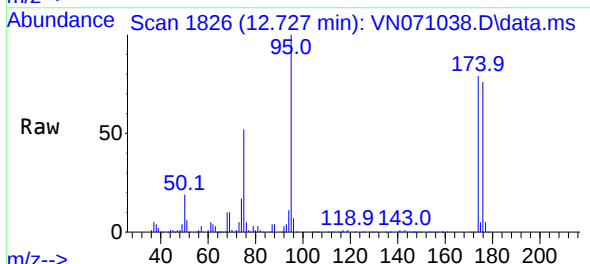
Instrument :
MSVOA_N
ClientSampleId :
31453

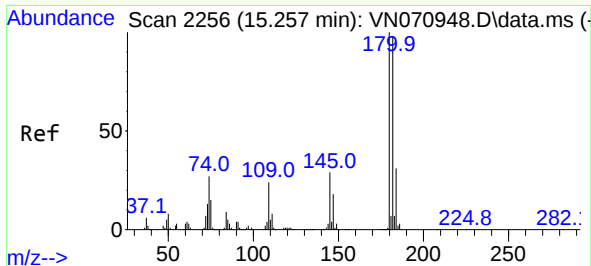
Tgt Ion: 75 Resp: 266397
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.163 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071038.D
Acq: 23 Feb 2022 17:20

Tgt Ion: 75 Resp: 266397
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 2.183 ug/l

RT: 15.268 min Scan# 21

Delta R.T. 0.011 min

Lab File: VN071038.D

Acq: 23 Feb 2022 17:20

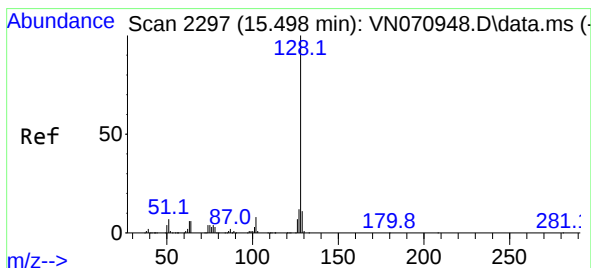
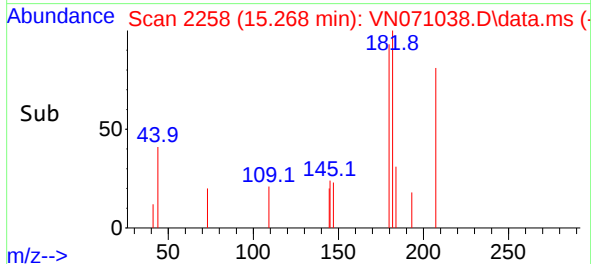
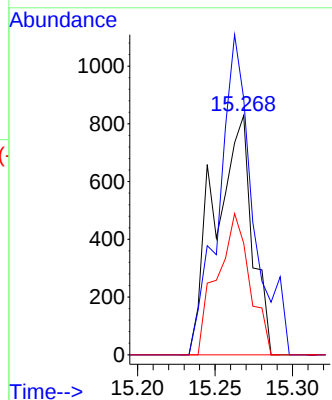
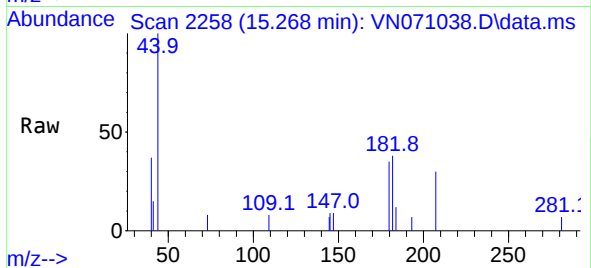
Instrument :

MSVOA_N

ClientSampleId :

31453

Tgt Ion:	180	Resp:	1392
Ion	Ratio	Lower	Upper
180	100		
182	122.5	48.3	144.9
145	51.9	14.5	43.5#



#95

Naphthalene

Concen: 5.327 ug/l

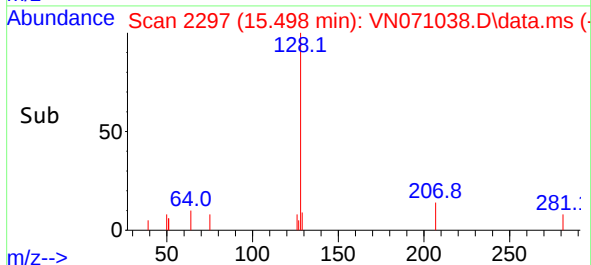
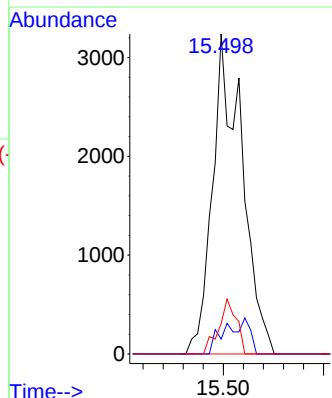
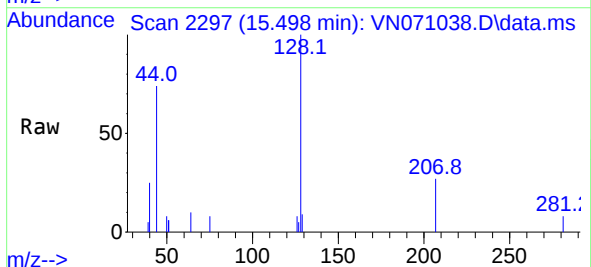
RT: 15.498 min Scan# 2297

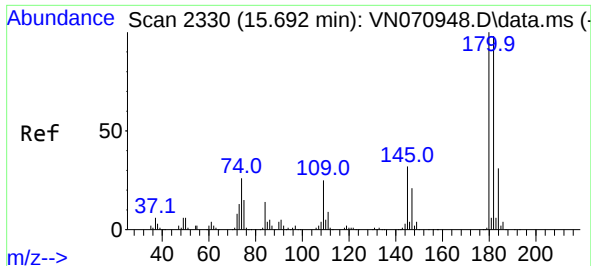
Delta R.T. -0.000 min

Lab File: VN071038.D

Acq: 23 Feb 2022 17:20

Tgt Ion:	128	Resp:	6590
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	10.2	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.757 ug/l
 RT: 15.710 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VN071038.D
 Acq: 23 Feb 2022 17:20

Instrument :
 MSVOA_N
 ClientSampleId :
 31453

Tgt Ion:180 Resp: 1697
 Ion Ratio Lower Upper
 180 100
 182 90.8 47.4 142.2
 145 16.3 15.0 45.1

