

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040822\
 Data File : VN071915.D
 Acq On : 08 Apr 2022 15:19
 Operator : JC\MD
 Sample : N2299-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 09 05:21:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

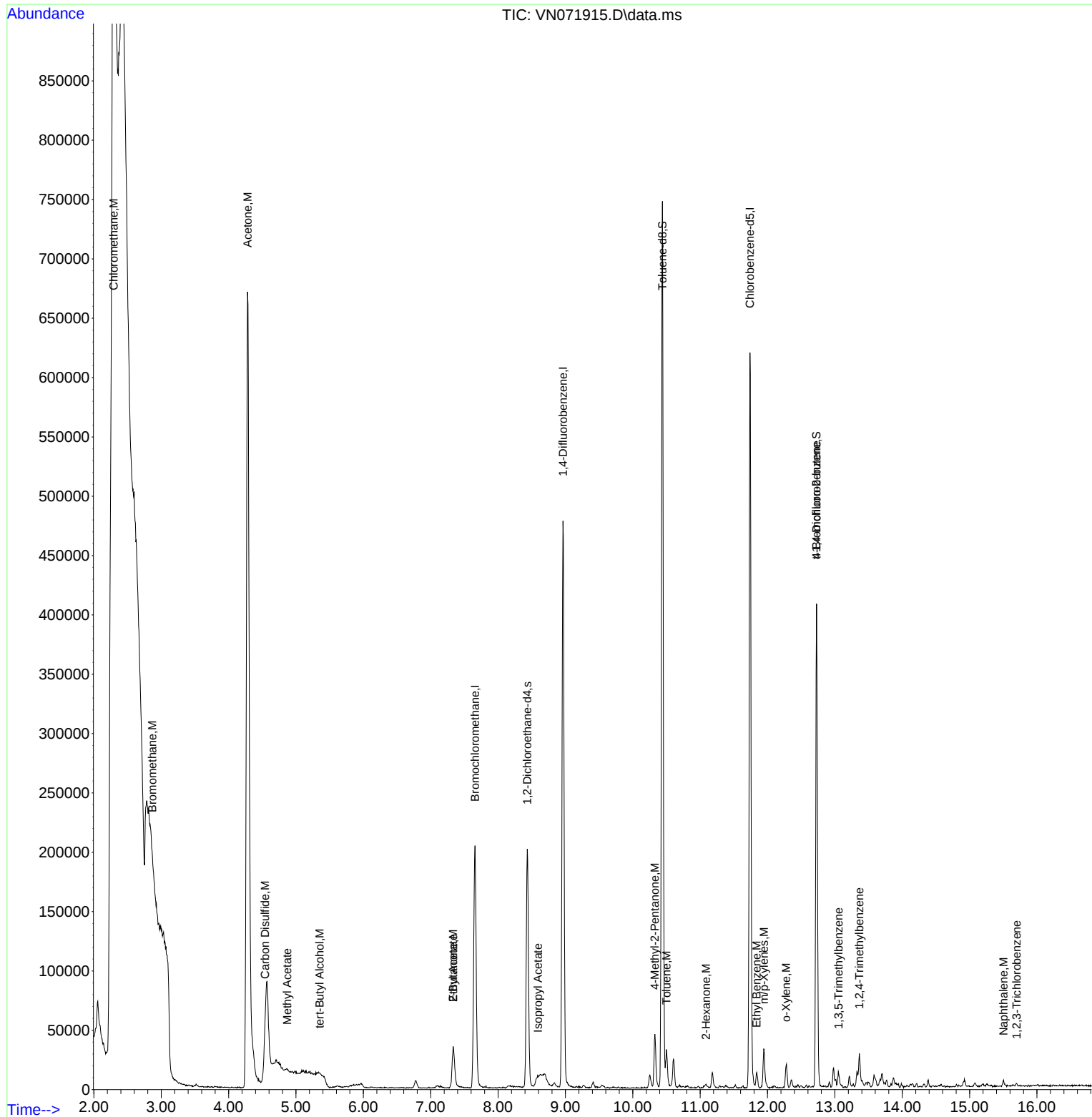
Internal Standards						
1) Bromochloromethane	7.657	128	82174	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	447980	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	399233	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	165840	28.644	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.467%		
60) 4-Bromofluorobenzene	12.727	95	148810	25.138	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	83.800%		
63) Toluene-d8	10.439	98	550124	30.355	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.200%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	67108	11.132	ug/l #	42
5) Bromomethane	2.869	94	932	0.229	ug/l #	34
12) Methyl Acetate	4.869	43	5342	0.796	ug/l	94
15) Acetone	4.281	58	455809	521.239	ug/l	76
16) Carbon Disulfide	4.540	76	85192	6.873	ug/l	95
23) tert-Butyl Alcohol	5.351	59	700	0.646	ug/l #	100
30) 2-Butanone	7.334	43	57483	14.242	ug/l	98
43) Ethyl Acetate	7.334	43	57483	7.345	ug/l #	67
44) Isopropyl Acetate	8.592	43	8379	0.667	ug/l #	50
58) 4-Methyl-2-Pentanone	10.327	43	31062	4.099	ug/l	92
59) 2-Hexanone	11.086	43	2210	0.399	ug/l #	91
62) Toluene	10.498	91	20219	0.835	ug/l	97
66) Ethyl Benzene	11.839	91	9166	0.348	ug/l	94
67) m/p-Xylenes	11.945	106	10151	0.992	ug/l	100
68) o-Xylene	12.274	106	5776	0.568	ug/l	95
76) 1,3,5-Trimethylbenzene	13.057	105	5478	0.267	ug/l	96
77) t-1,4-Dichloro-2-butene	12.727	75	70584	28.160	ug/l #	8
80) 1,2,4-Trimethylbenzene	13.363	105	17565	0.884	ug/l #	82
91) Naphthalene	15.504	128	5427	7.186	ug/l #	92
92) 1,2,3-Trichlorobenzene	15.698	180	1002	0.224	ug/l	64

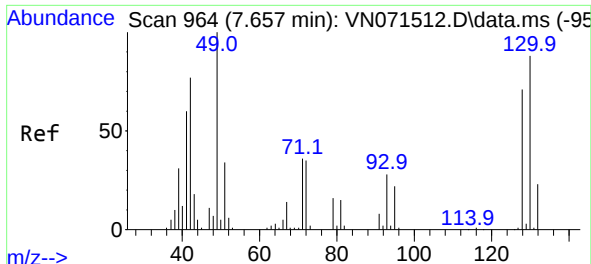
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN071915.D
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Sample : N2299-01
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ALS Vial : 10 Sample Multiplier: 1

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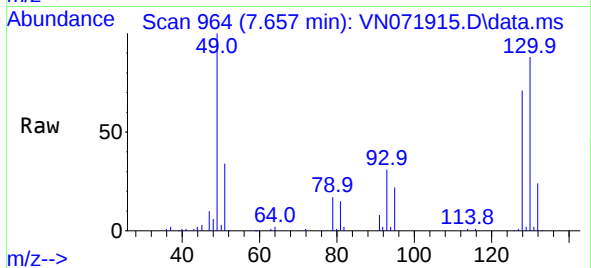
Quant Time: Apr 09 05:21:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 24 12:03:44 2022
Response via : Initial Calibration



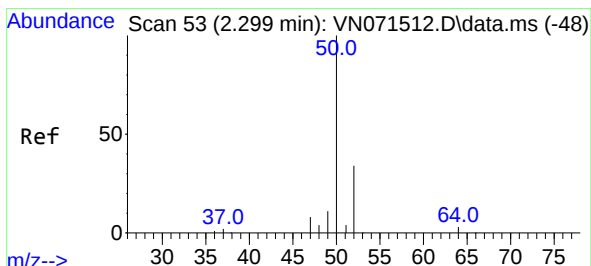
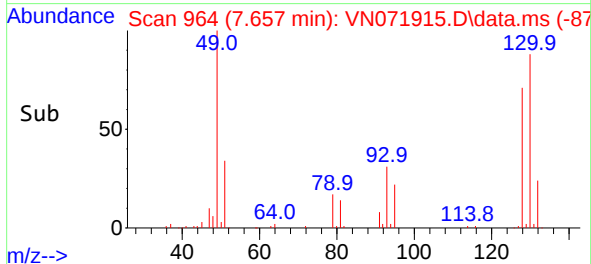
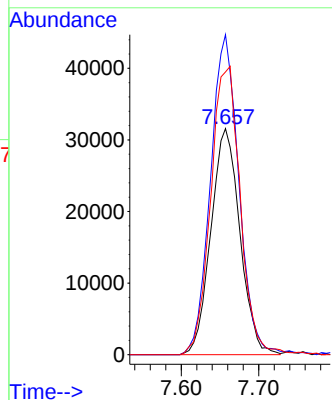


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

Instrument :
MSVOA_N
ClientSampleId :

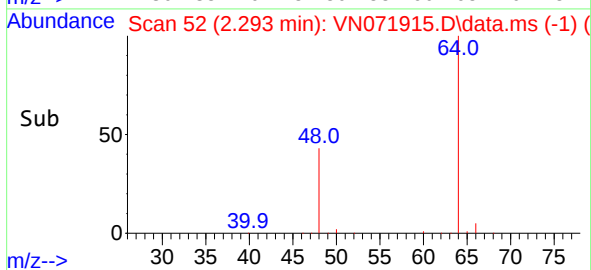
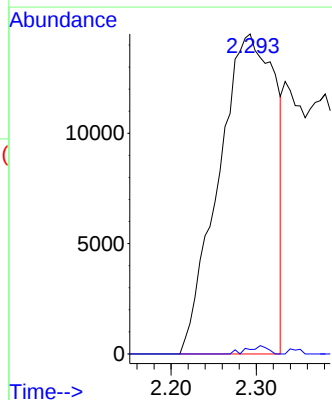
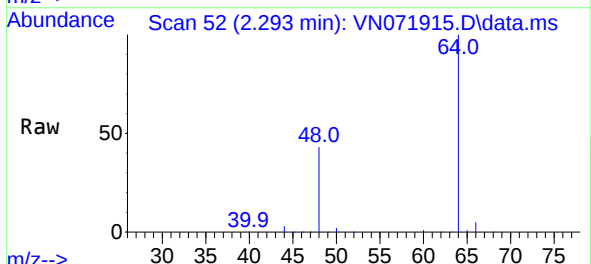


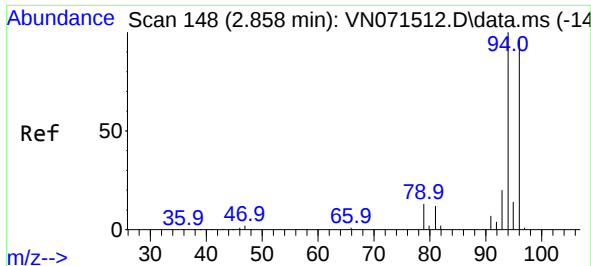
Tgt Ion:128 Resp: 82174
Ion Ratio Lower Upper
128 100
49 137.2 0.0 392.3
130 128.9 0.0 320.2



#3
Chloromethane
Concen: 11.132 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

Tgt Ion: 50 Resp: 67108
Ion Ratio Lower Upper
50 100
52 1.4 27.8 41.6#

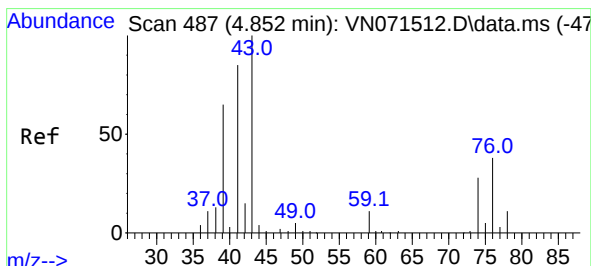
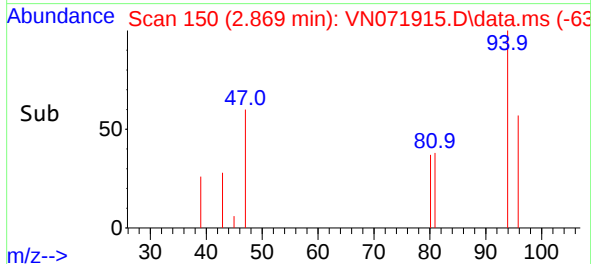
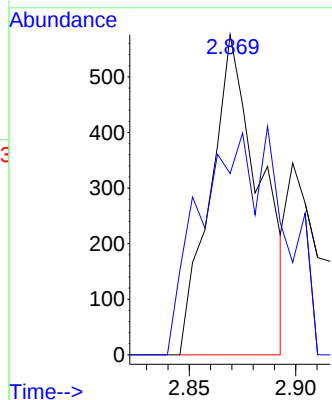
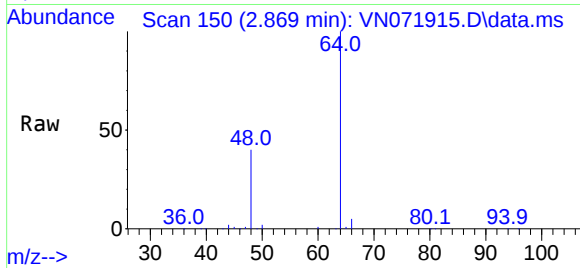




#5
Bromomethane
Concen: 0.229 ug/l
RT: 2.869 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

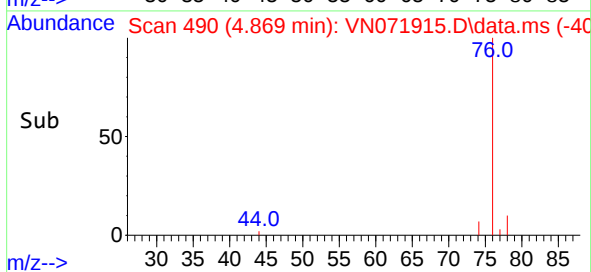
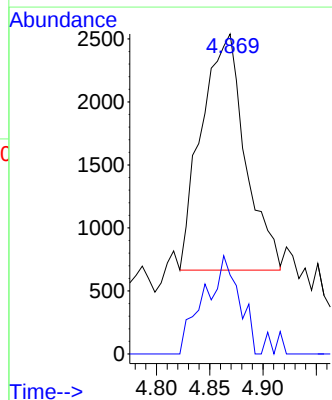
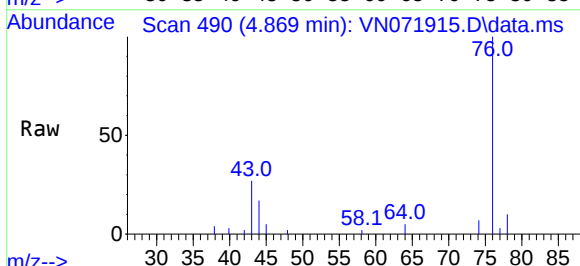
Instrument :
MSVOA_N
ClientSampleId :

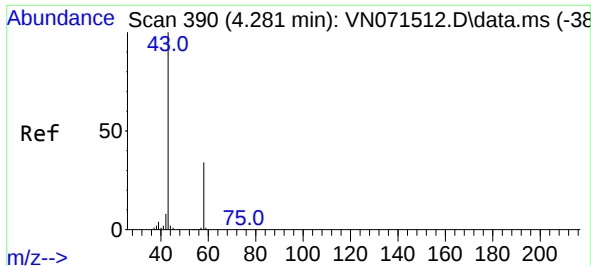
Tgt Ion: 94 Resp: 932
Ion Ratio Lower Upper
94 100
96 30.2 75.2 112.8#



#12
Methyl Acetate
Concen: 0.796 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.018 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

Tgt Ion: 43 Resp: 5342
Ion Ratio Lower Upper
43 100
74 28.9 20.8 31.2

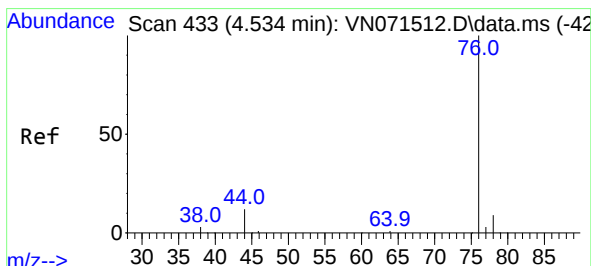
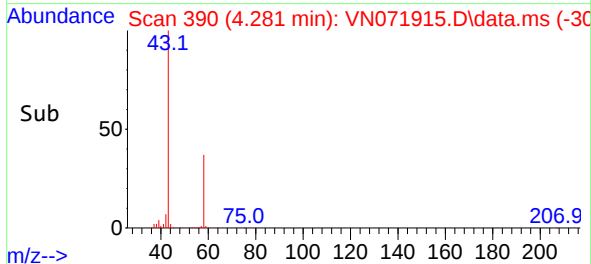
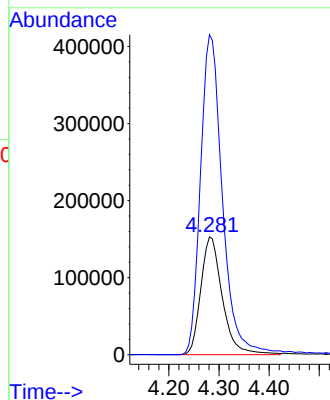
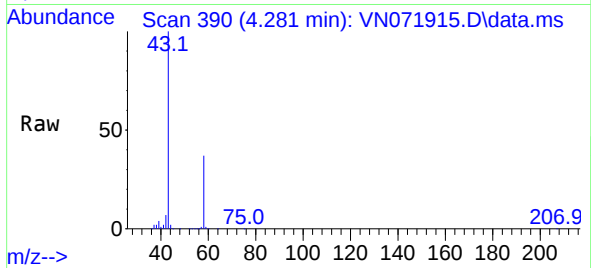




#15
Acetone
Concen: 521.239 ug/l
RT: 4.281 min Scan# 390
Delta R.T. -0.000 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

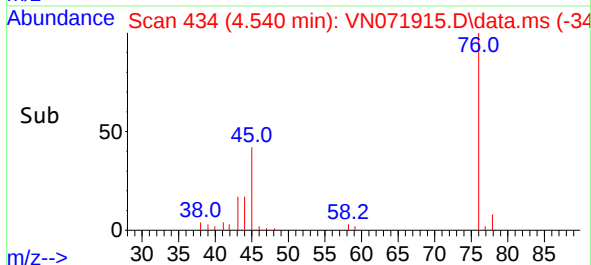
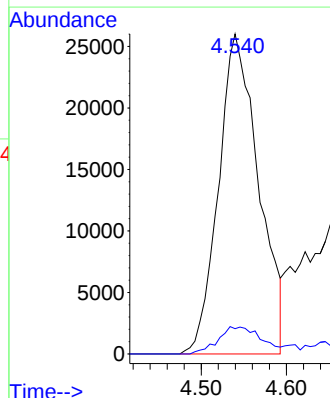
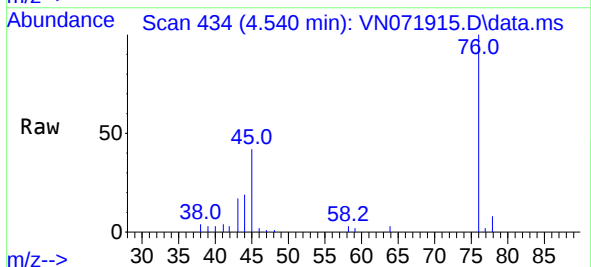
Instrument :
MSVOA_N
ClientSampleId :

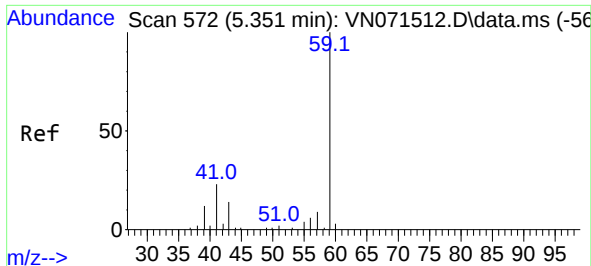
Tgt Ion: 58 Resp: 455809
Ion Ratio Lower Upper
58 100
43 271.4 256.6 384.8



#16
Carbon Disulfide
Concen: 6.873 ug/l
RT: 4.540 min Scan# 434
Delta R.T. 0.006 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

Tgt Ion: 76 Resp: 85192
Ion Ratio Lower Upper
76 100
78 7.9 7.8 11.8

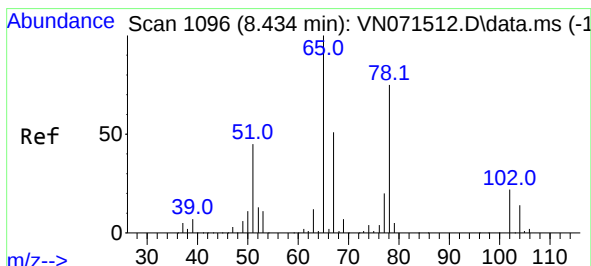
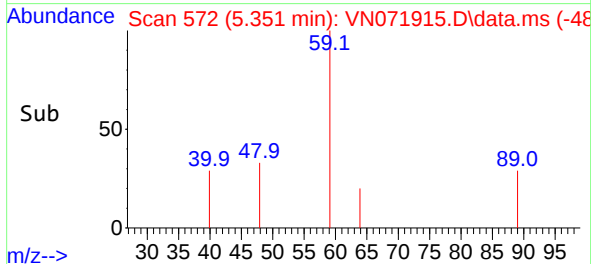
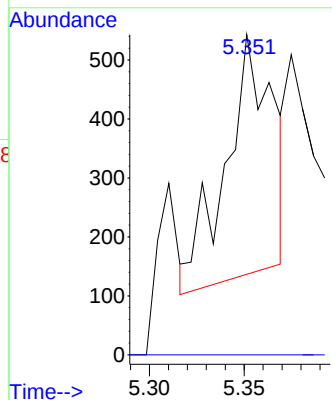
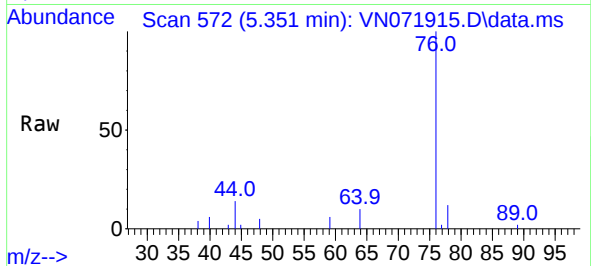




#23
tert-Butyl Alcohol
Concen: 0.646 ug/l
RT: 5.351 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

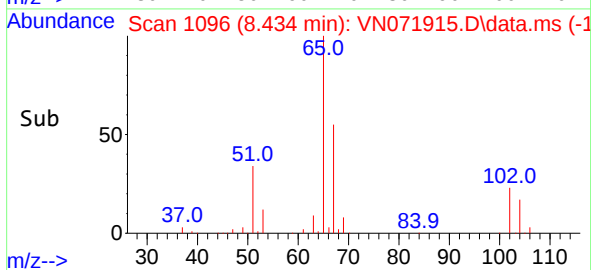
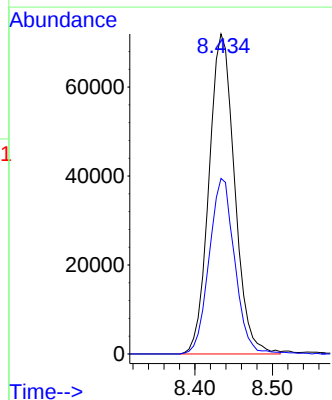
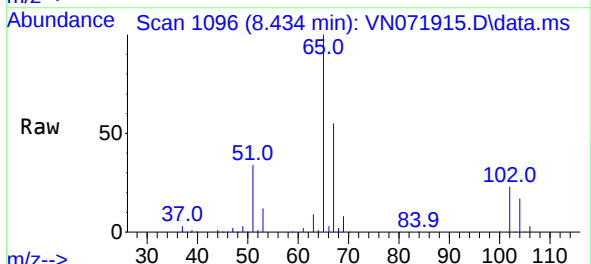
Instrument :
MSVOA_N
ClientSampleId :

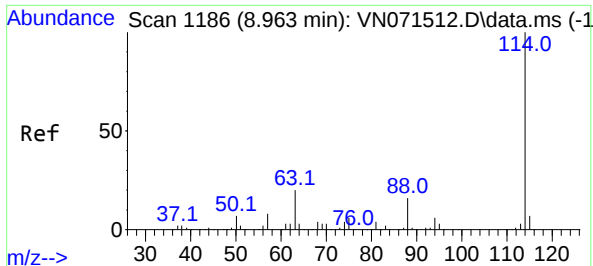
Tgt Ion: 59 Resp: 700
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 28.644 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

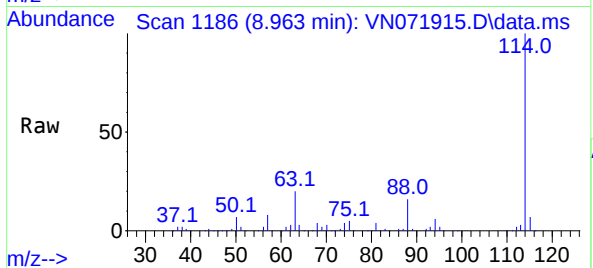
Tgt Ion: 65 Resp: 165840
Ion Ratio Lower Upper
65 100
67 54.1 40.2 60.2



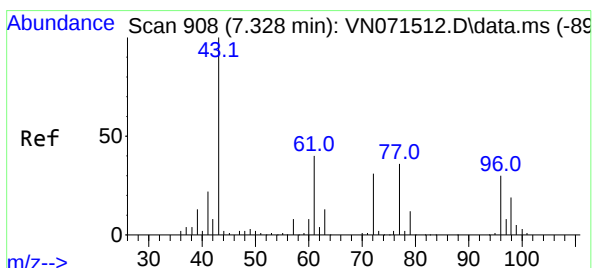
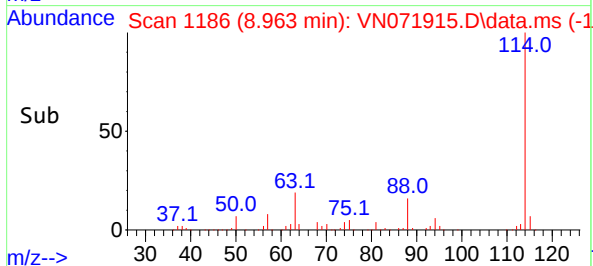
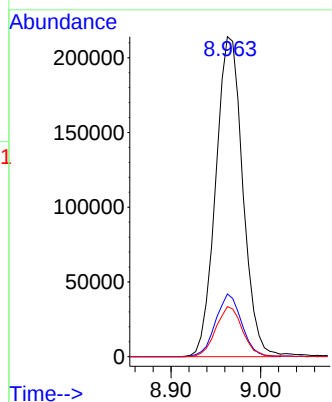


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

Instrument :
MSVOA_N
ClientSampleId :

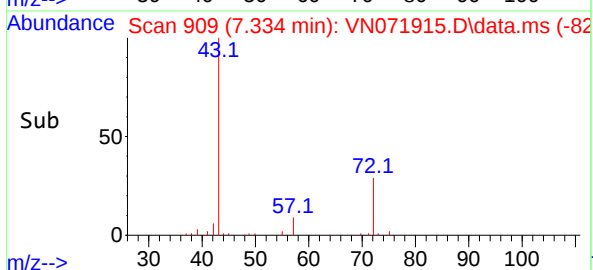
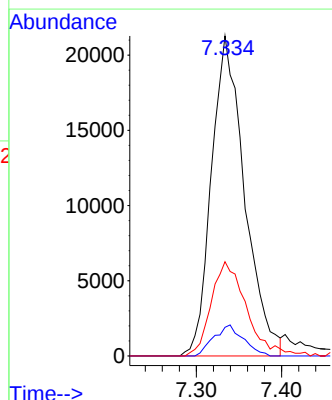
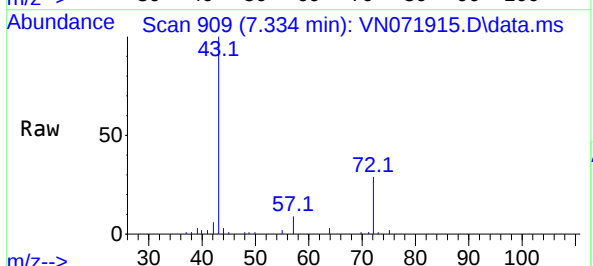


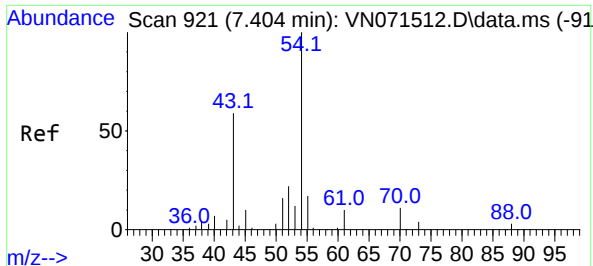
Tgt Ion:114 Resp: 447980
Ion Ratio Lower Upper
114 100
63 18.8 15.8 23.6
88 15.3 11.6 17.4



#30
2-Butanone
Concen: 14.242 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

Tgt Ion: 43 Resp: 57483
Ion Ratio Lower Upper
43 100
57 8.7 6.7 10.1
72 29.9 23.2 34.8

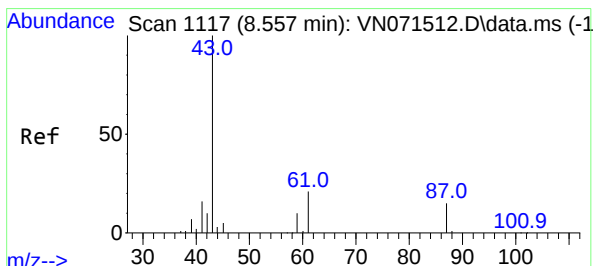
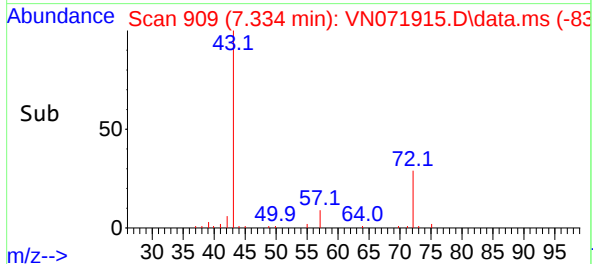
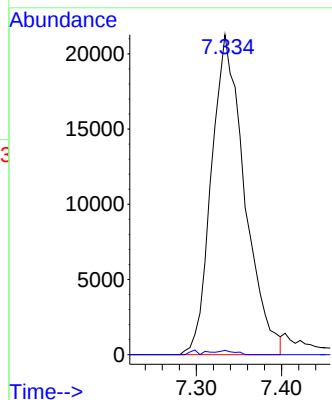
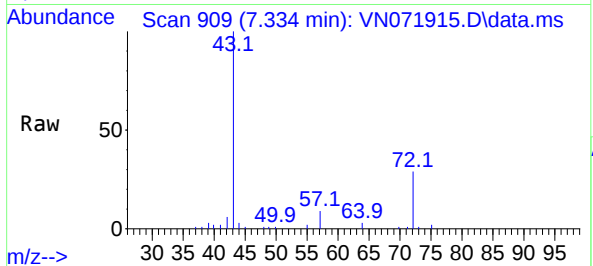




#43
Ethyl Acetate
Concen: 7.345 ug/l
RT: 7.334 min Scan# 90
Delta R.T. -0.071 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

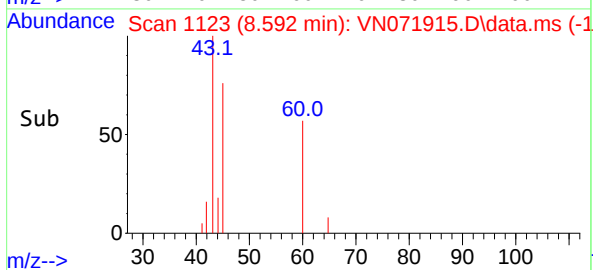
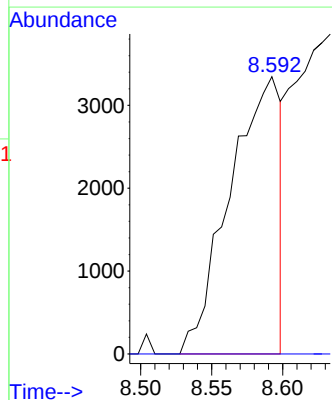
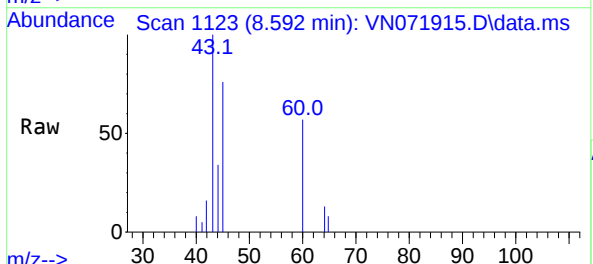
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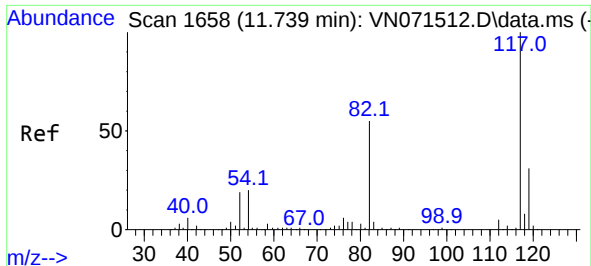
Tgt Ion: 43 Resp: 57483
Ion Ratio Lower Upper
43 100
45 0.2 10.6 16.0#



#44
Isopropyl Acetate
Concen: 0.667 ug/l
RT: 8.592 min Scan# 1123
Delta R.T. 0.035 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

Tgt Ion: 43 Resp: 8379
Ion Ratio Lower Upper
43 100
61 0.0 20.1 30.1#

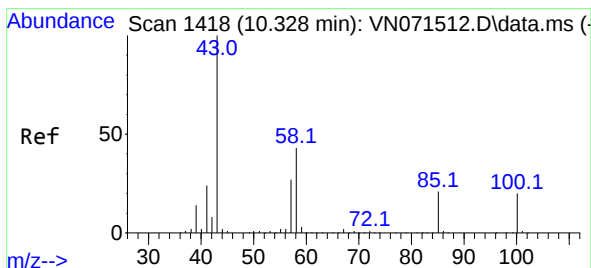
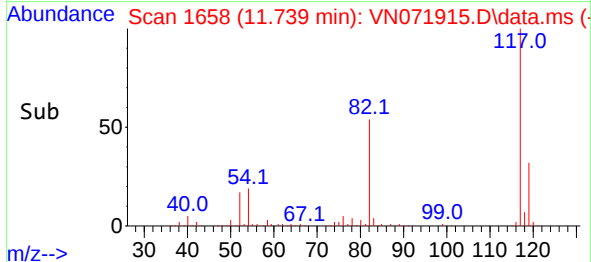
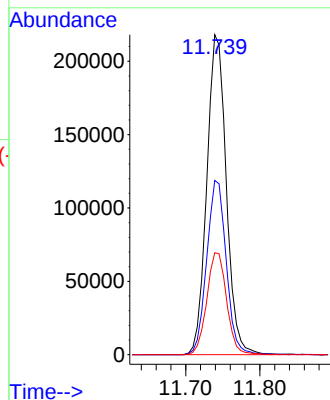
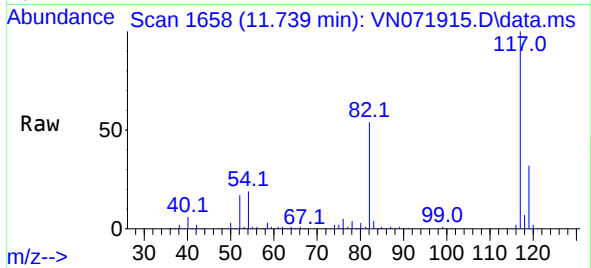




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

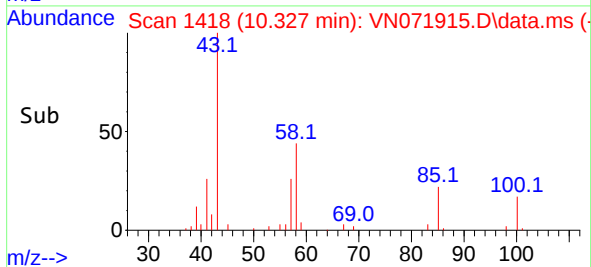
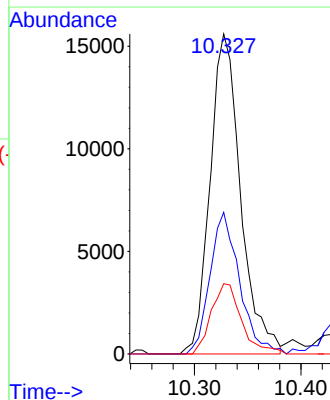
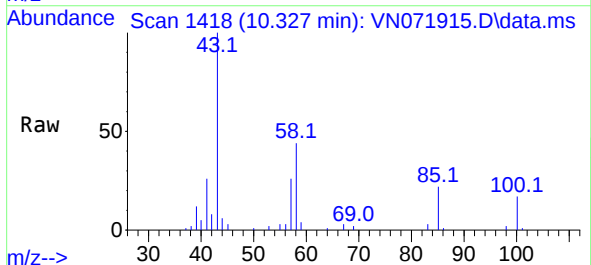
Instrument :
MSVOA_N
ClientSampleId :

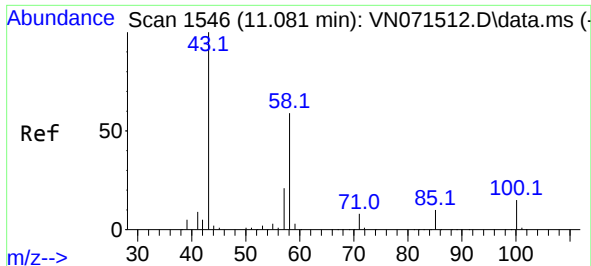
Tgt Ion:117 Resp: 399233
Ion Ratio Lower Upper
117 100
82 54.5 43.6 65.4
119 32.4 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 4.099 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

Tgt Ion: 43 Resp: 31062
Ion Ratio Lower Upper
43 100
58 42.9 30.0 45.0
85 21.7 15.0 22.6

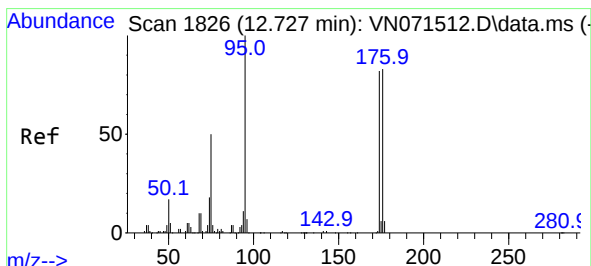
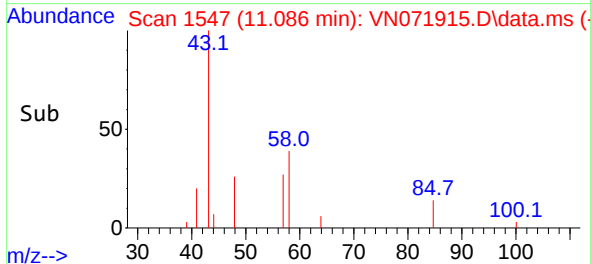
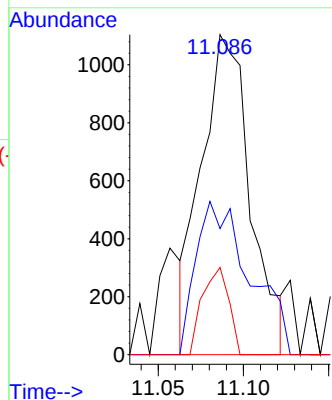
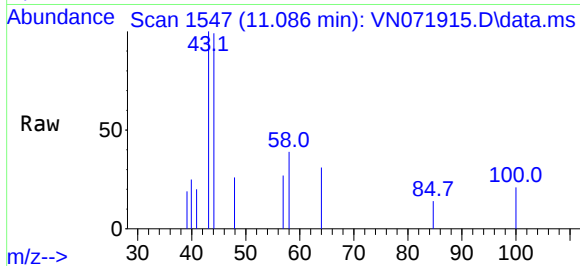




#59
2-Hexanone
Concen: 0.399 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

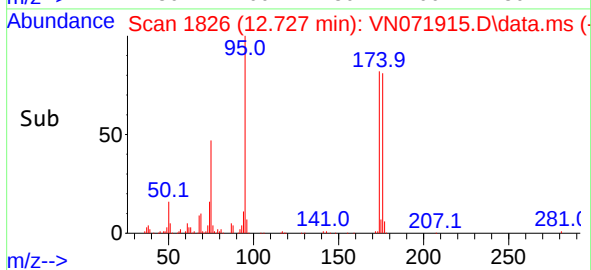
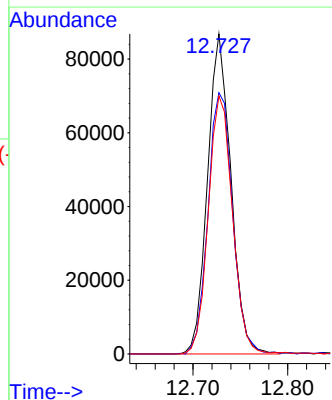
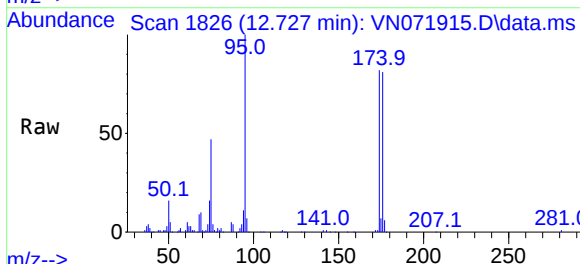
Instrument :
MSVOA_N
ClientSampleId :

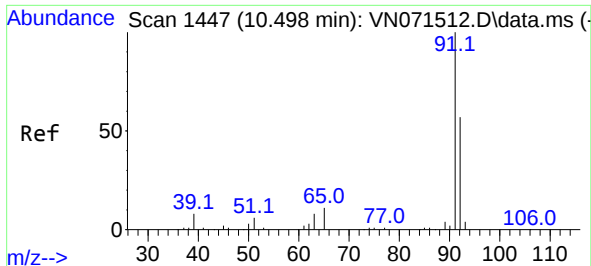
Tgt Ion: 43 Resp: 2210
Ion Ratio Lower Upper
43 100
58 46.0 42.2 63.2
57 14.7 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 25.138 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

Tgt Ion: 95 Resp: 148810
Ion Ratio Lower Upper
95 100
174 85.9 62.9 94.3
176 83.1 61.0 91.4

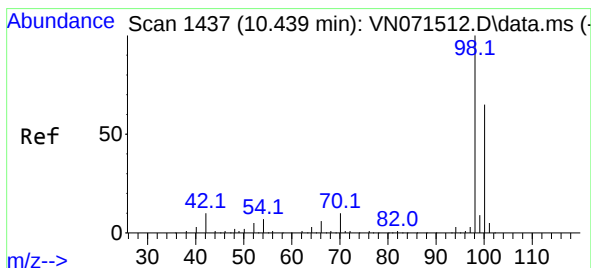
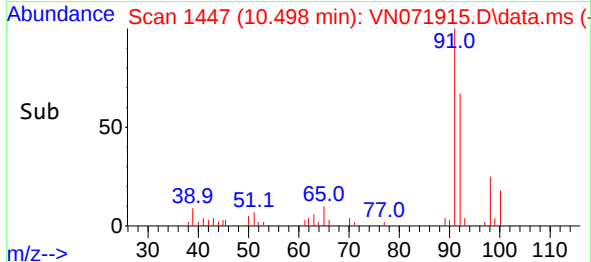
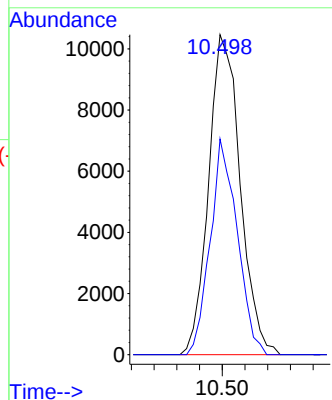
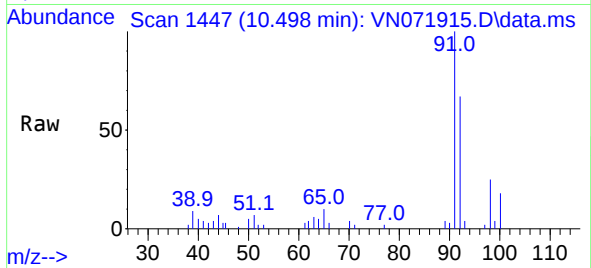




#62
Toluene
Concen: 0.835 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

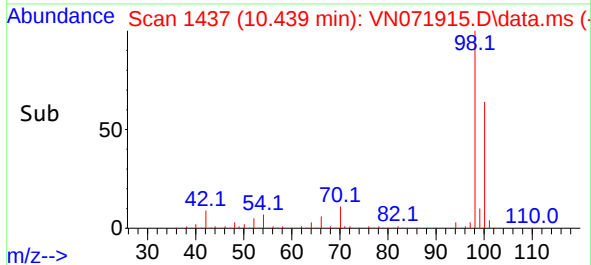
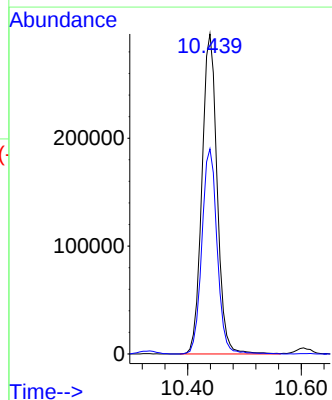
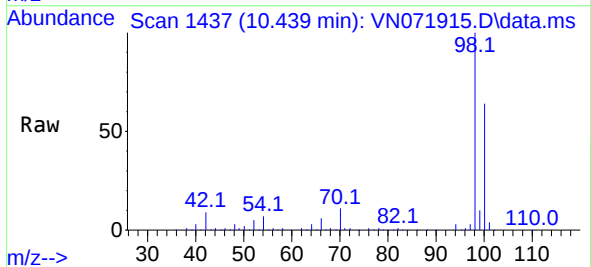
Instrument :
MSVOA_N
ClientSampleId :

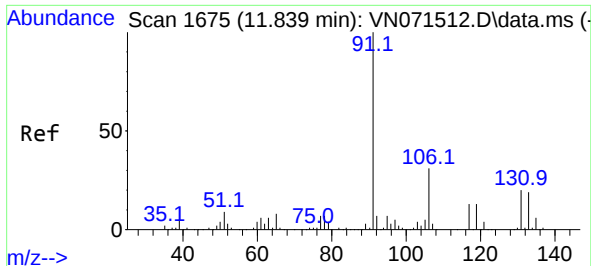
Tgt Ion: 91 Resp: 20219
Ion Ratio Lower Upper
91 100
92 57.7 44.6 67.0



#63
Toluene-d8
Concen: 30.355 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

Tgt Ion: 98 Resp: 550124
Ion Ratio Lower Upper
98 100
100 64.2 50.6 76.0

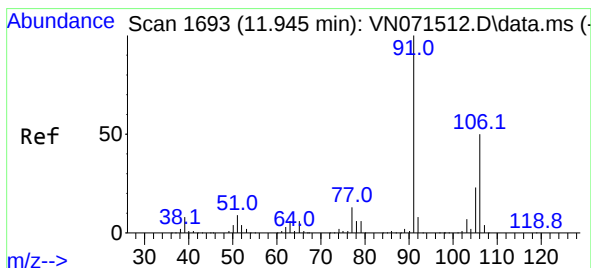
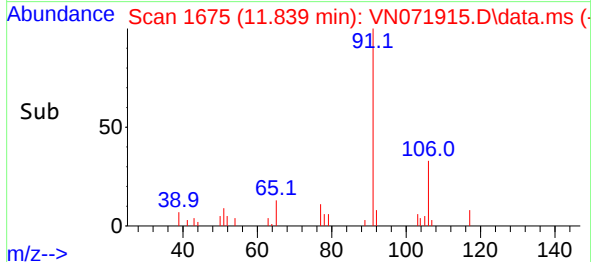
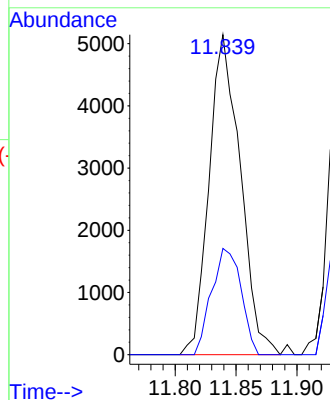
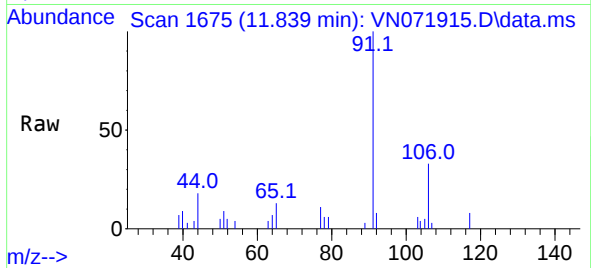




#66
Ethyl Benzene
Concen: 0.348 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

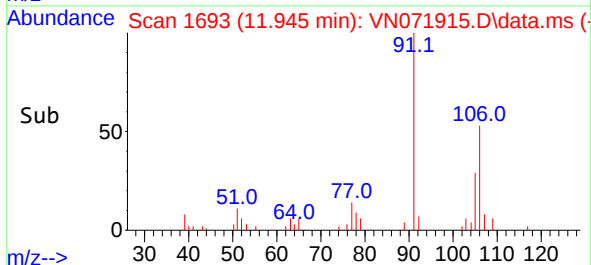
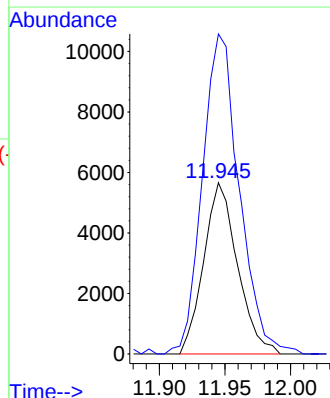
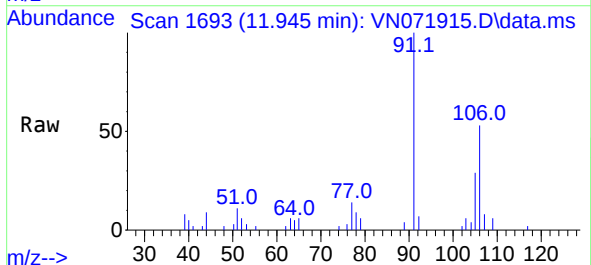
Instrument :
MSVOA_N
ClientSampleId :

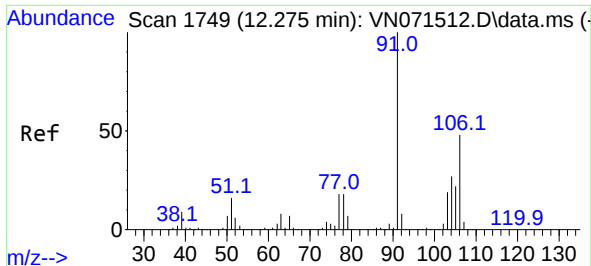
Tgt Ion: 91 Resp: 9166
Ion Ratio Lower Upper
91 100
106 33.2 24.0 36.0



#67
m/p-Xylenes
Concen: 0.992 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

Tgt Ion: 106 Resp: 10151
Ion Ratio Lower Upper
106 100
91 203.8 162.9 244.3

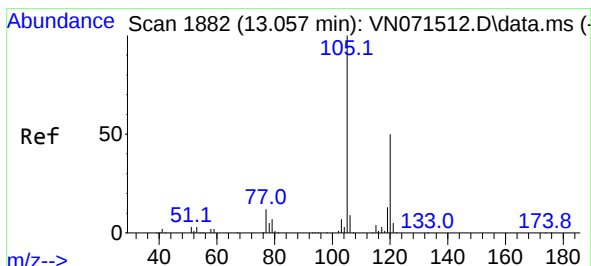
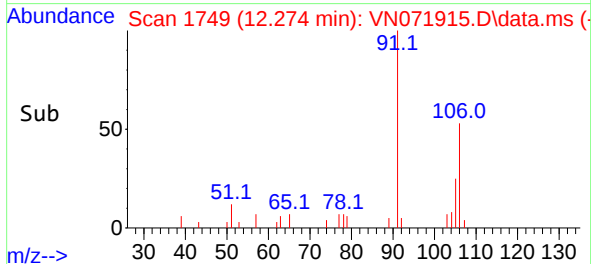
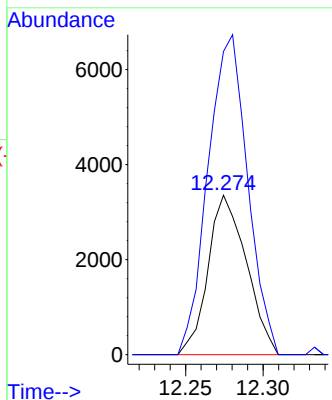
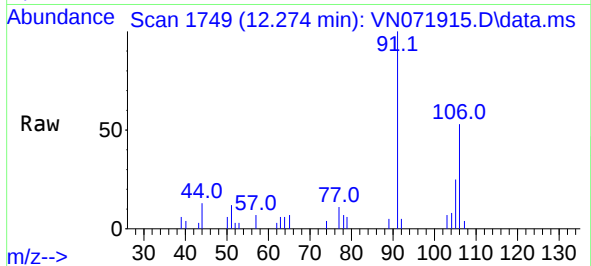




#68
o-Xylene
Concen: 0.568 ug/l
RT: 12.274 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

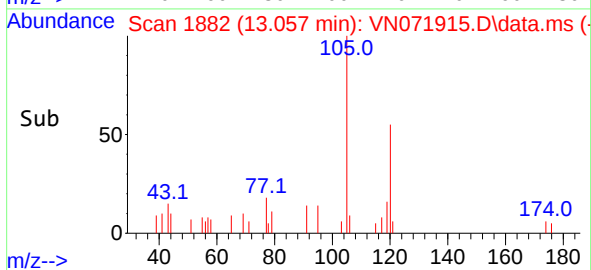
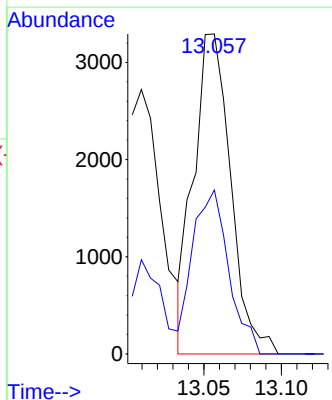
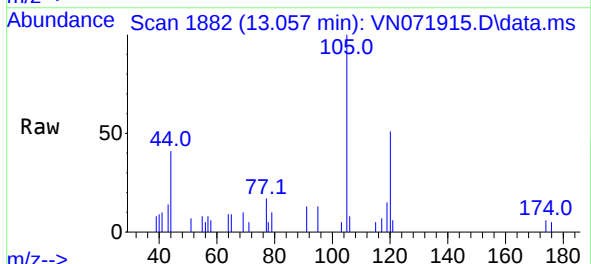
Instrument :
MSVOA_N
ClientSampleId :

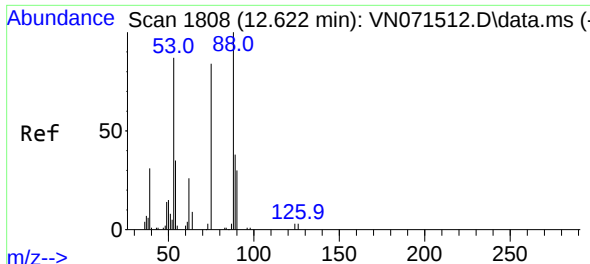
Tgt Ion:106 Resp: 5776
Ion Ratio Lower Upper
106 100
91 206.9 107.7 323.1



#76
1,3,5-Trimethylbenzene
Concen: 0.267 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

Tgt Ion:105 Resp: 5478
Ion Ratio Lower Upper
105 100
120 49.6 0.0 93.8

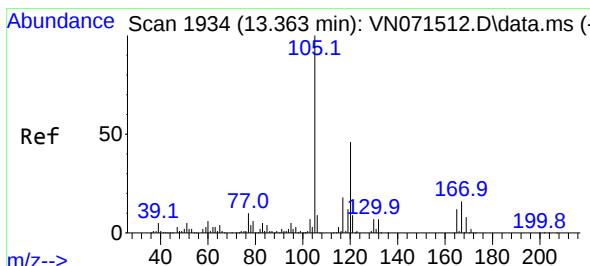
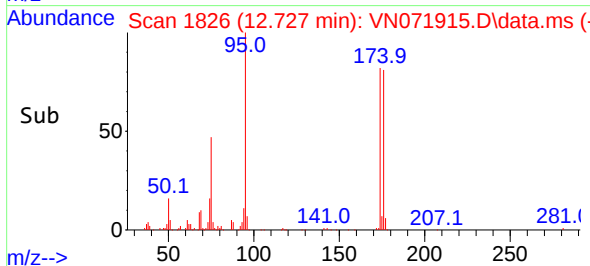
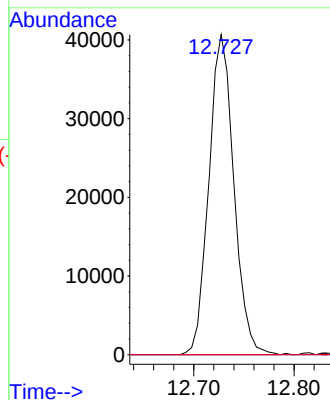
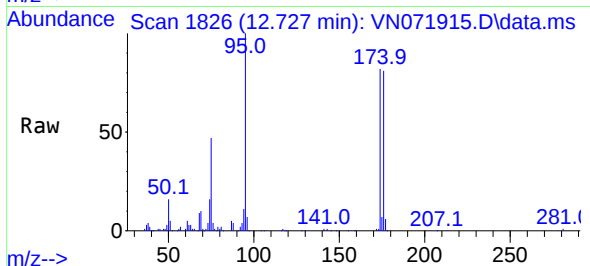




#77
t-1,4-Dichloro-2-butene
Concen: 28.160 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

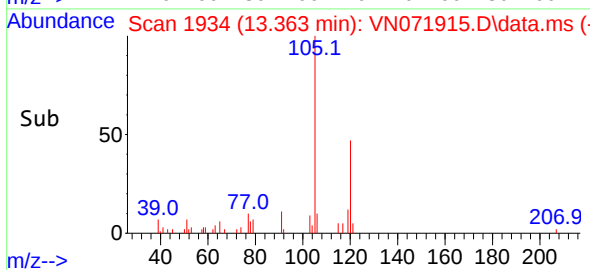
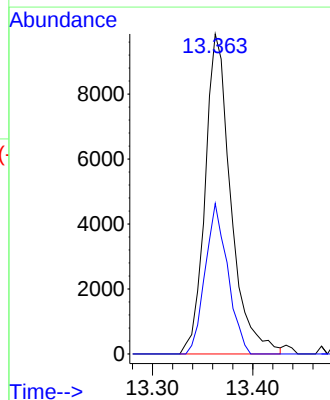
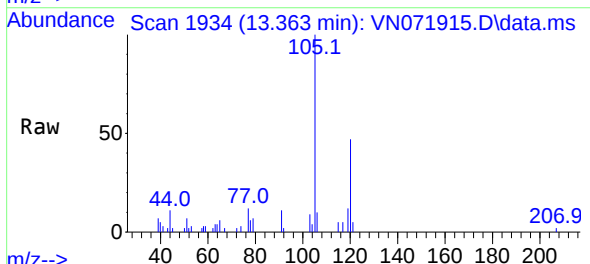
Instrument :
MSVOA_N
ClientSampleId :

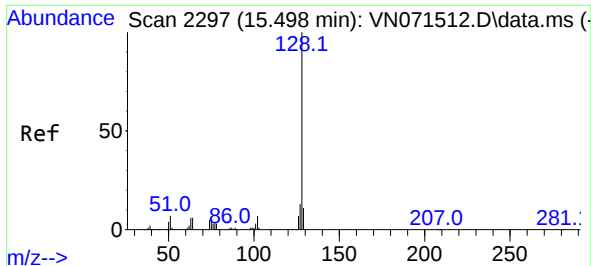
Tgt Ion: 75 Resp: 70584
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#80
1,2,4-Trimethylbenzene
Concen: 0.884 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

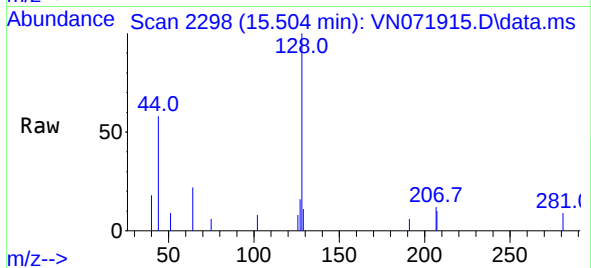
Tgt Ion:105 Resp: 17565
Ion Ratio Lower Upper
105 100
120 41.2 0.0 0.2#



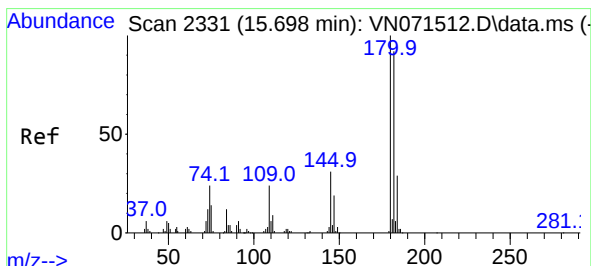
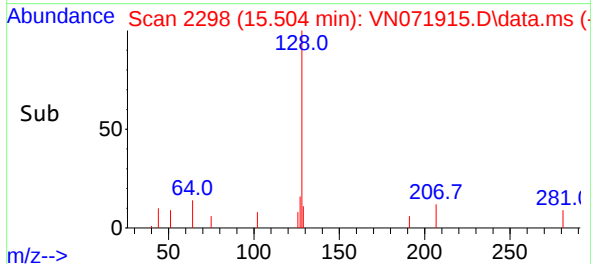
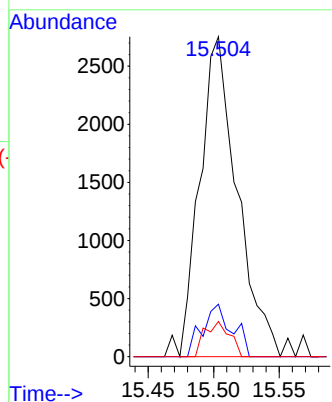


#91
Naphthalene
Concen: 7.186 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 5427
Ion Ratio Lower Upper
128 100
127 11.1 10.7 16.1
129 7.4 9.0 13.6#



#92
1,2,3-Trichlorobenzene
Concen: 0.224 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VN071915.D
Acq: 08 Apr 2022 15:19

Tgt Ion:180 Resp: 1002
Ion Ratio Lower Upper
180 100
182 54.3 0.0 190.0
145 22.9 0.0 67.8

