

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042022\
 Data File : VN072105.D
 Acq On : 21 Apr 2022 03:06
 Operator : JC\MD
 Sample : N2482-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 21 07:13:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

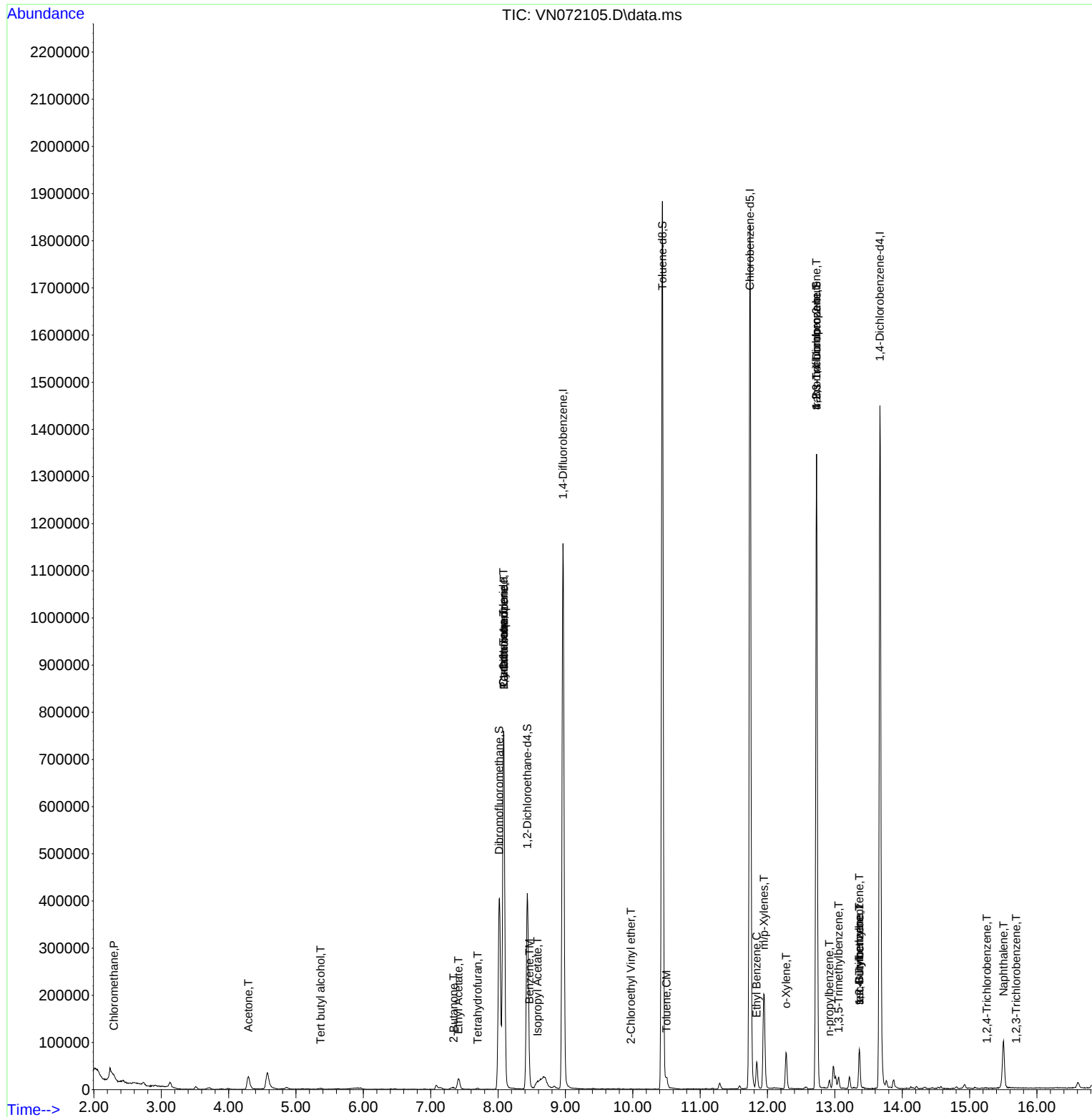
Internal Standards						
1) Pentafluorobenzene	8.086	168	651879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1096518	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1165748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	439811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	347427	46.685	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.360%		
35) Dibromofluoromethane	8.016	113	305814	47.396	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.800%		
50) Toluene-d8	10.439	98	1377771	52.198	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.400%		
62) 4-Bromofluorobenzene	12.727	95	476132	55.775	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	111.560%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2015	0.307	ug/l	98
11) Tert butyl alcohol	5.363	59	4747	3.931	ug/l #	85
16) Acetone	4.293	43	48620	15.287	ug/l	95
18) Methyl Acetate	4.857	43	7436	Below Cal		93
25) 2-Butanone	7.339	43	5165	1.127	ug/l	97
29) Tetrahydrofuran	7.698	42	1485	0.500	ug/l #	75
31) Cyclohexane	8.081	56	11514	1.138	ug/l #	8
36) 1,1-Dichloropropene	8.086	75	42353	4.700	ug/l #	49
37) Ethyl Acetate	7.410	43	38313	3.885	ug/l	97
38) Carbon Tetrachloride	8.081	117	56991	6.454	ug/l #	17
40) Benzene	8.463	78	8313	0.292	ug/l	95
43) Isopropyl Acetate	8.586	43	12997	0.792	ug/l #	53
52) Toluene	10.498	92	7068	0.393	ug/l	88
58) 2-Chloroethyl Vinyl ether	9.975	63	53	16.982	ug/l #	44
67) Ethyl Benzene	11.839	91	44020	1.114	ug/l	99
68) m/p-Xylenes	11.945	106	76897	5.065	ug/l	96
69) o-Xylene	12.274	106	25425	1.687	ug/l	90
76) 1,2,3-Trichloropropane	12.727	75	231709	22.742	ug/l #	1
78) n-propylbenzene	12.916	91	10738	0.275	ug/l #	73
80) 1,3,5-Trimethylbenzene	13.057	105	11127	0.379	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.727	75	231709	70.477	ug/l #	10
83) tert-Butylbenzene	13.363	119	7108	0.265	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.363	105	49595	1.731	ug/l	99
85) sec-Butylbenzene	13.363	105	49595	1.425	ug/l #	56
93) 1,2,4-Trichlorobenzene	15.257	180	139	2.105	ug/l #	78
95) Naphthalene	15.504	128	117133	9.207	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	122	2.431	ug/l #	15

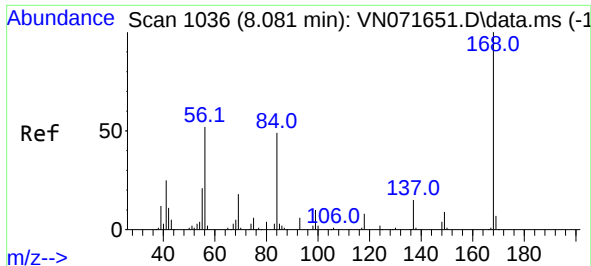
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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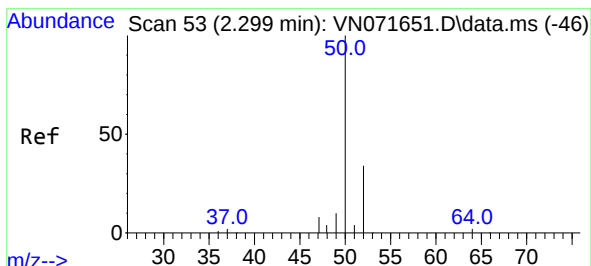
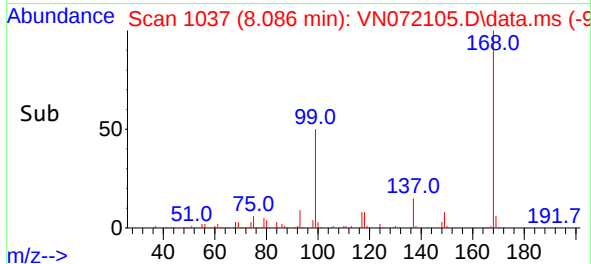
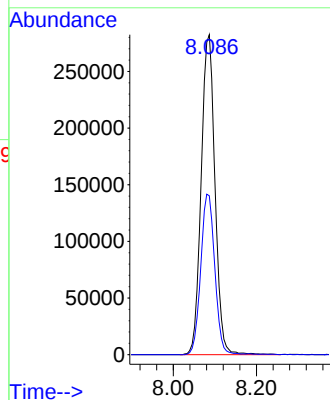
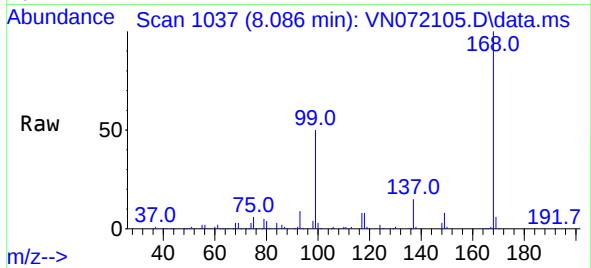




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

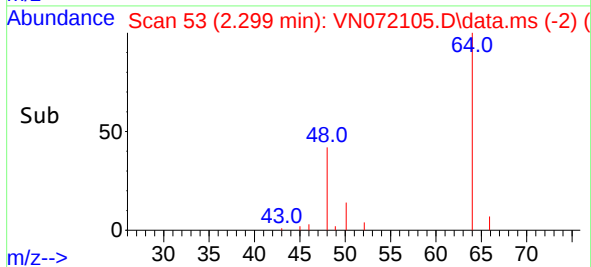
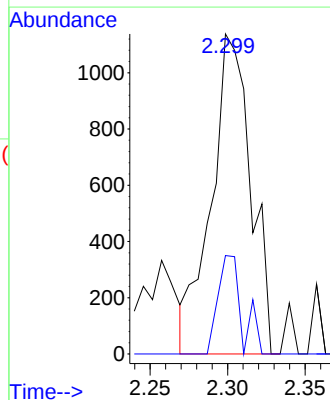
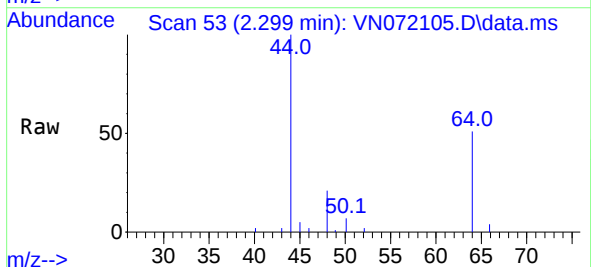
Instrument :
MSVOA_N
ClientSampleId :

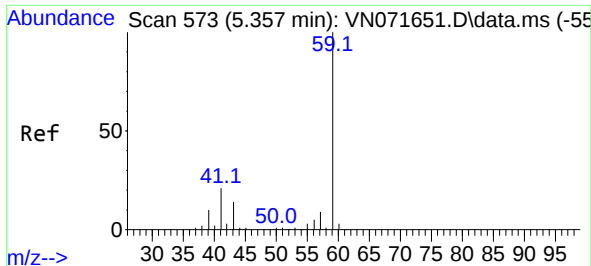
Tgt Ion:168 Resp: 651879
Ion Ratio Lower Upper
168 100
99 49.6 42.3 63.5



#3
Chloromethane
Concen: 0.307 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

Tgt Ion: 50 Resp: 2015
Ion Ratio Lower Upper
50 100
52 30.8 25.7 38.5

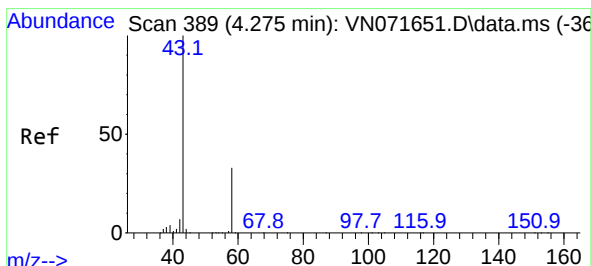
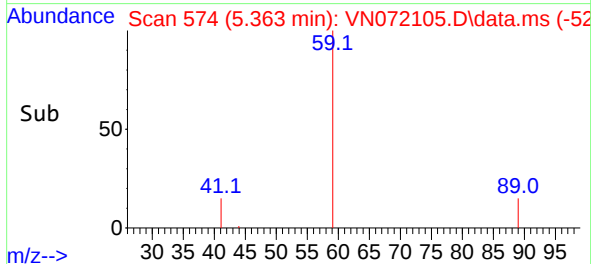
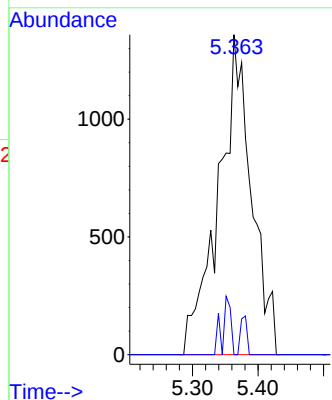
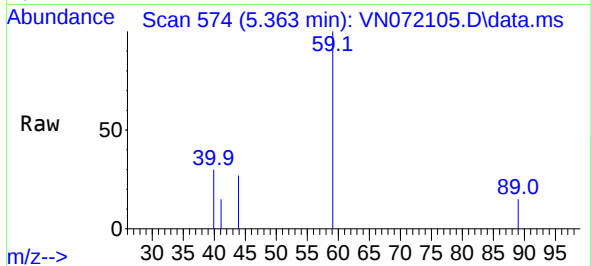




#11
Tert butyl alcohol
Concen: 3.931 ug/l
RT: 5.363 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

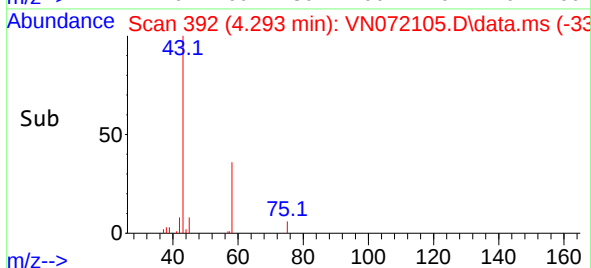
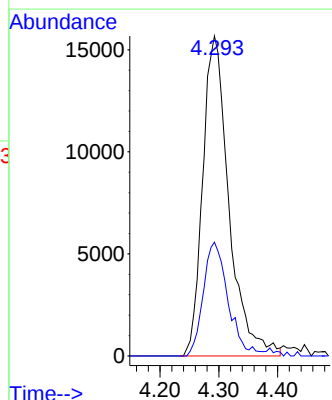
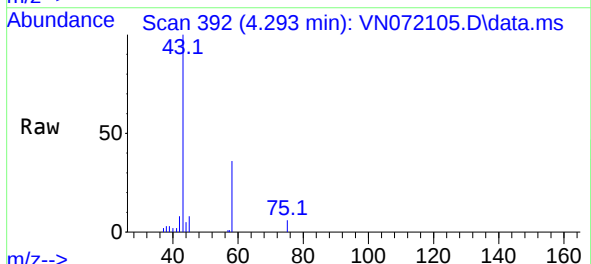
Instrument :
MSVOA_N
ClientSampleId :

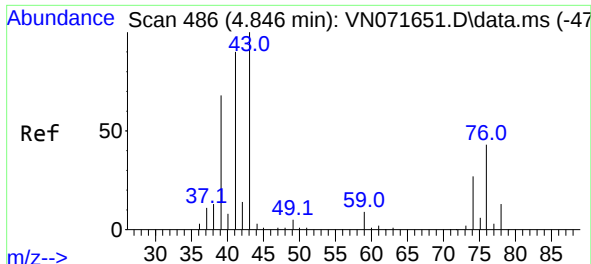
Tgt Ion: 59 Resp: 4747
Ion Ratio Lower Upper
59 100
57 4.6 8.3 12.5#



#16
Acetone
Concen: 15.287 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

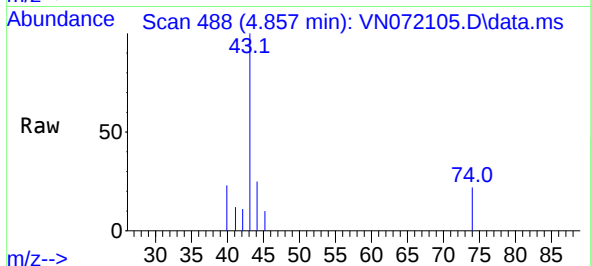
Tgt Ion: 43 Resp: 48620
Ion Ratio Lower Upper
43 100
58 35.5 26.0 39.0



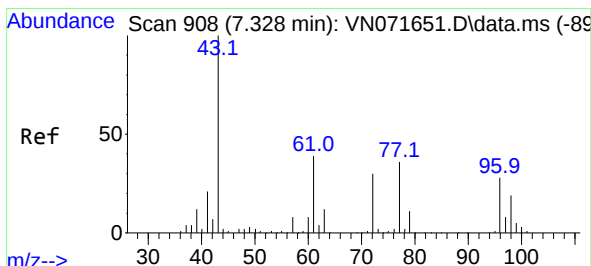
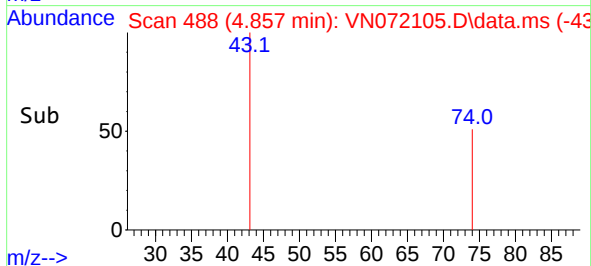
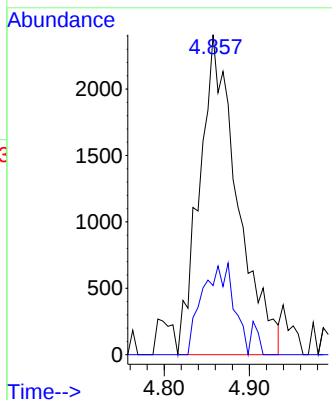


#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

Instrument :
MSVOA_N
ClientSampleId :

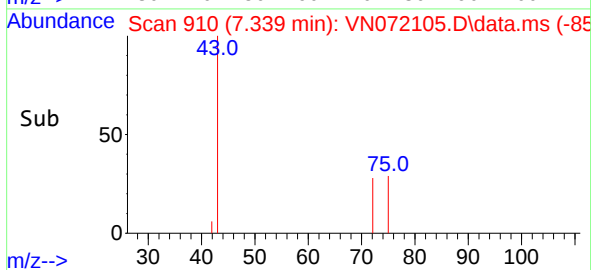
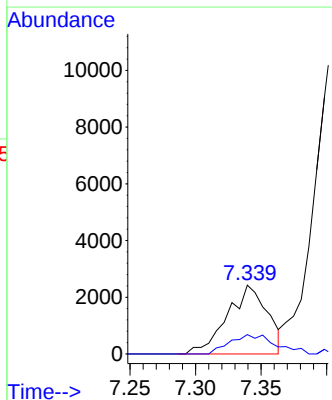
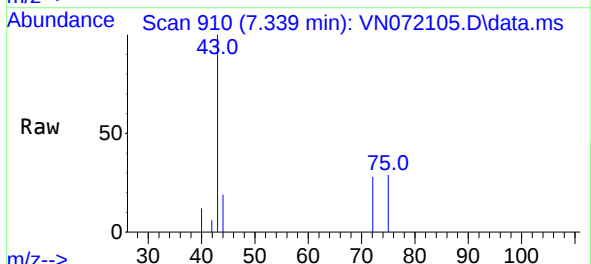


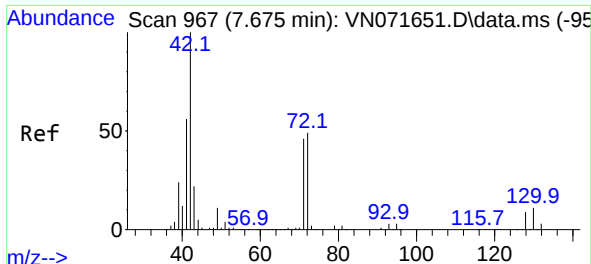
Tgt Ion: 43 Resp: 7436
Ion Ratio Lower Upper
43 100
74 23.5 21.6 32.4



#25
2-Butanone
Concen: 1.127 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

Tgt Ion: 43 Resp: 5165
Ion Ratio Lower Upper
43 100
72 28.2 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.500 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN072105.D

Acq: 21 Apr 2022 03:06

Instrument :

MSVOA_N

ClientSampleId :

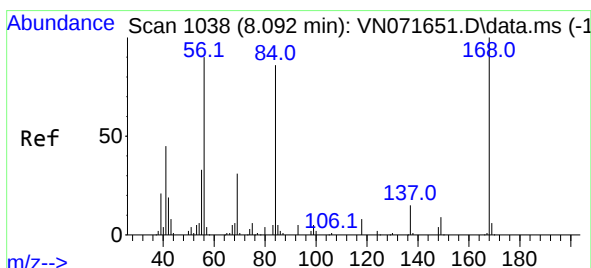
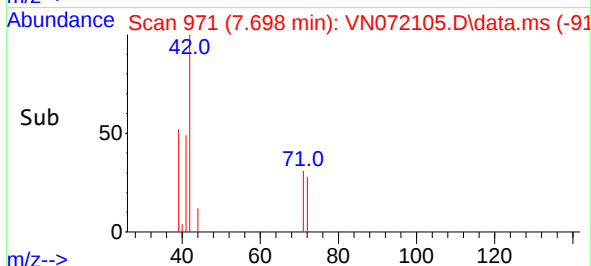
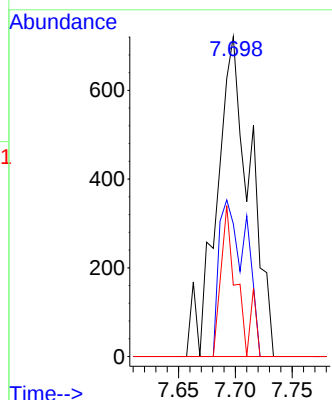
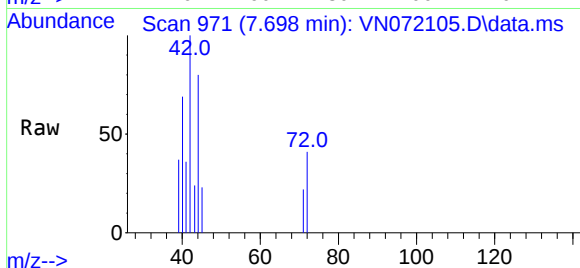
Tgt Ion: 42 Resp: 1485

Ion Ratio Lower Upper

42 100

72 38.7 39.7 59.5#

71 23.5 36.6 55.0#



#31

Cyclohexane

Concen: 1.138 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN072105.D

Acq: 21 Apr 2022 03:06

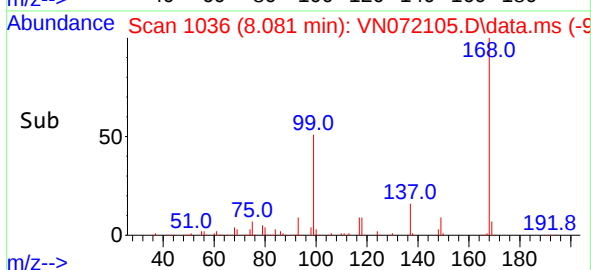
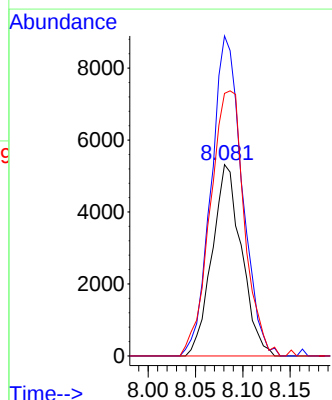
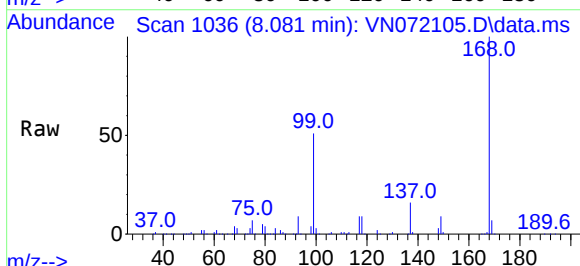
Tgt Ion: 56 Resp: 11514

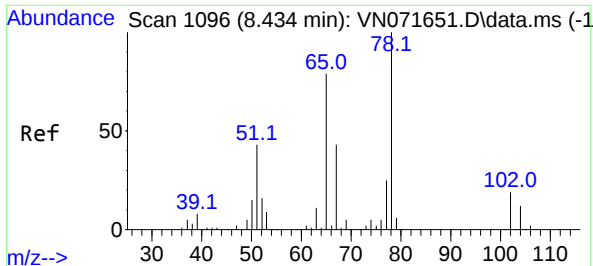
Ion Ratio Lower Upper

56 100

69 167.2 27.8 41.8#

84 137.2 76.9 115.3#

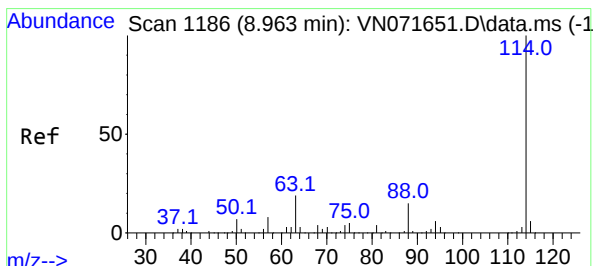
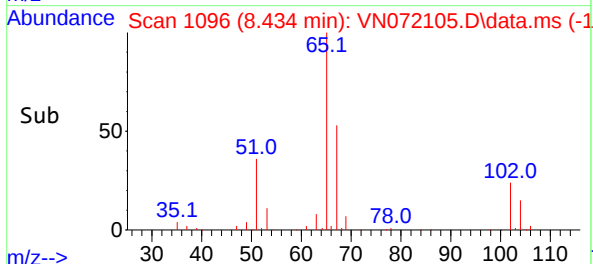
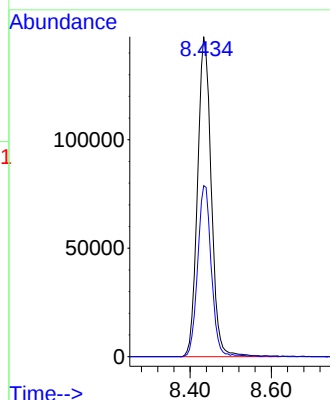
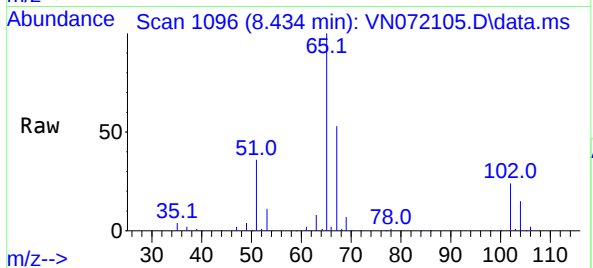




#33
1,2-Dichloroethane-d4
Concen: 46.685 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

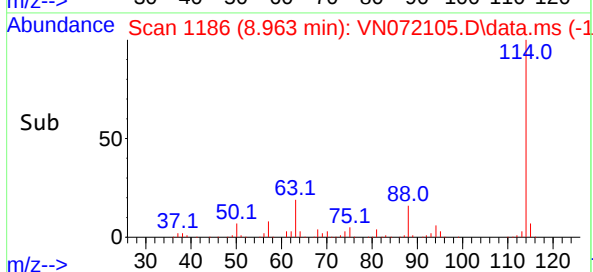
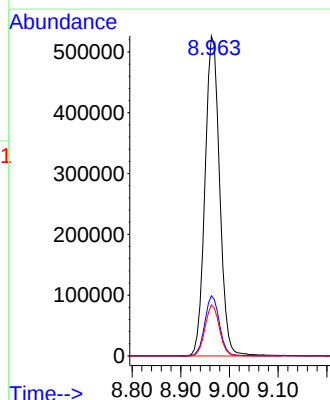
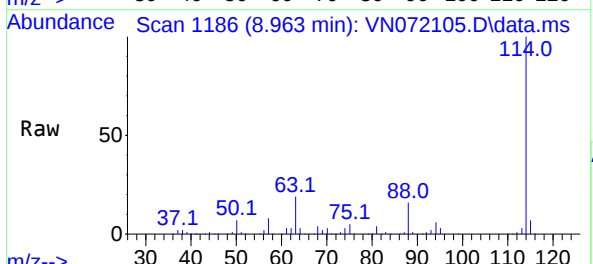
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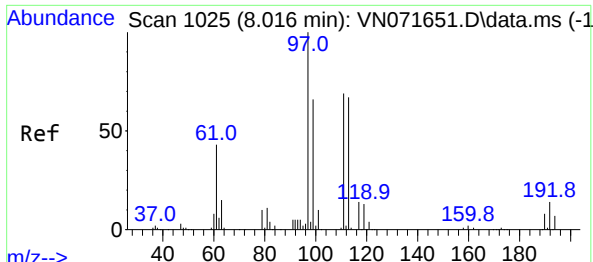
Tgt Ion: 65 Resp: 347427
Ion Ratio Lower Upper
65 100
67 53.2 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

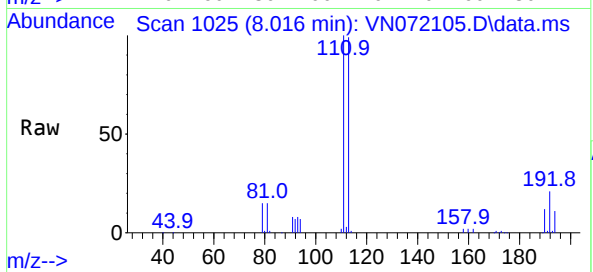
Tgt Ion:114 Resp: 1096518
Ion Ratio Lower Upper
114 100
63 18.8 0.0 40.0
88 16.0 0.0 32.6



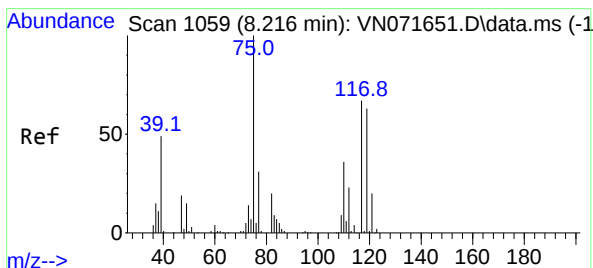
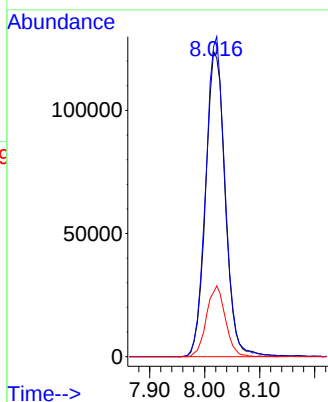
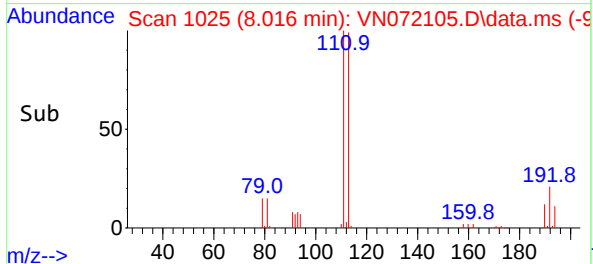


#35
Dibromofluoromethane
Concen: 47.396 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

Instrument :
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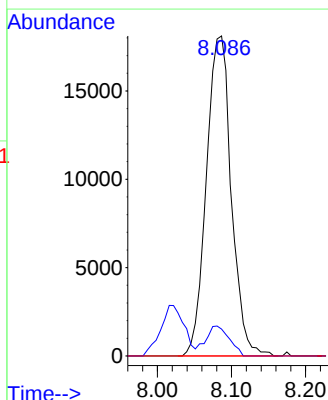
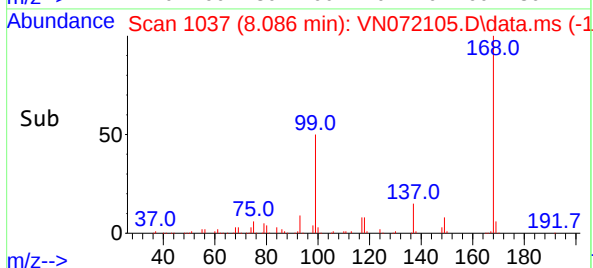
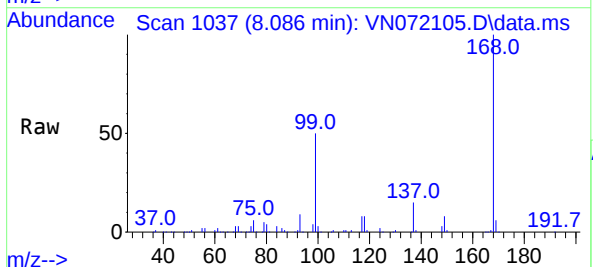


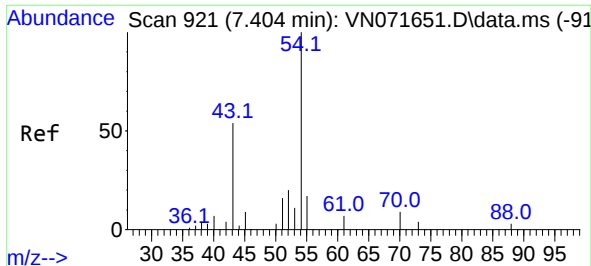
Tgt Ion:113 Resp: 305814
Ion Ratio Lower Upper
113 100
111 103.8 81.4 122.0
192 22.4 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.700 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

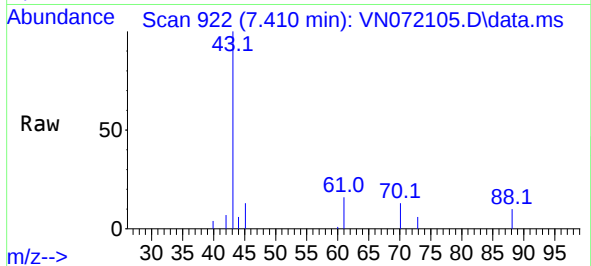
Tgt Ion: 75 Resp: 42353
Ion Ratio Lower Upper
75 100
110 8.8 18.3 54.8#
77 0.0 25.1 37.7#



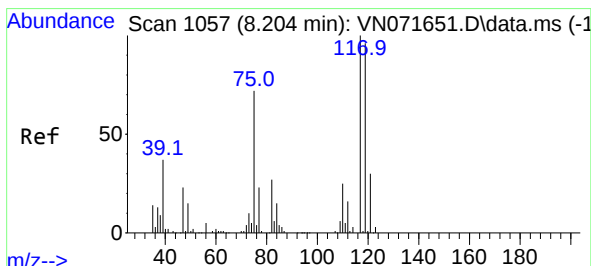
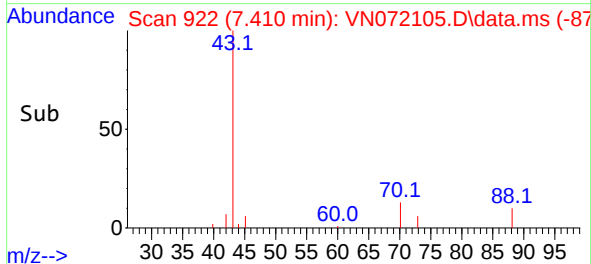
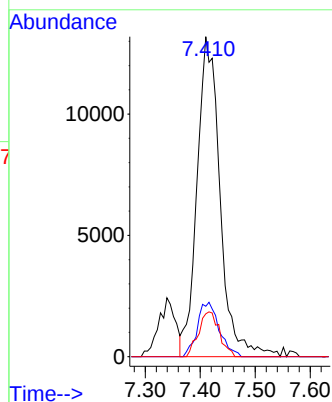


#37
Ethyl Acetate
Concen: 3.885 ug/l
RT: 7.410 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

Instrument :
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ClientSampleId :

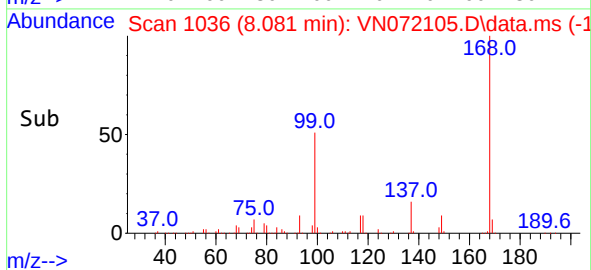
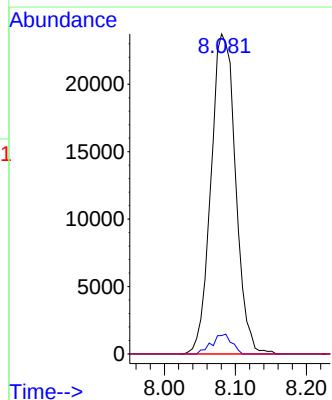
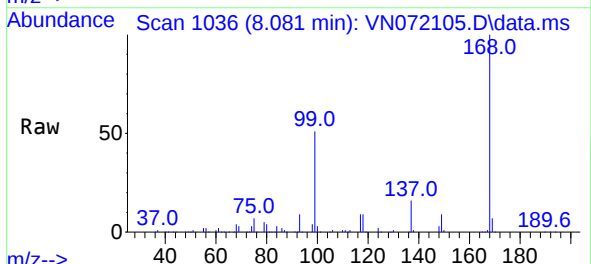


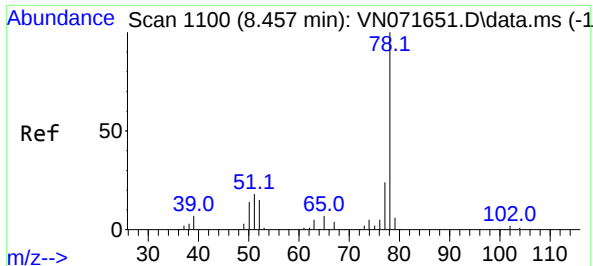
Tgt Ion: 43 Resp: 38313
Ion Ratio Lower Upper
43 100
61 16.1 11.8 17.6
70 12.6 9.3 13.9



#38
Carbon Tetrachloride
Concen: 6.454 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

Tgt Ion: 117 Resp: 56991
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 24.6 37.0#

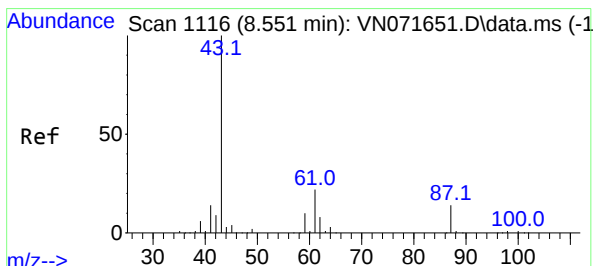
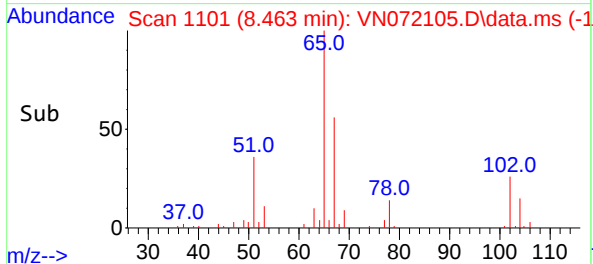
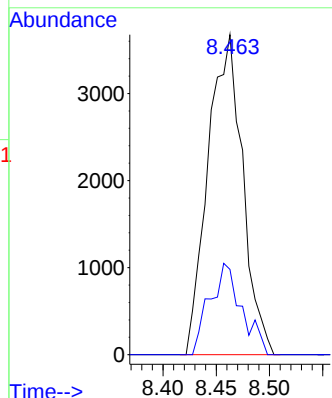
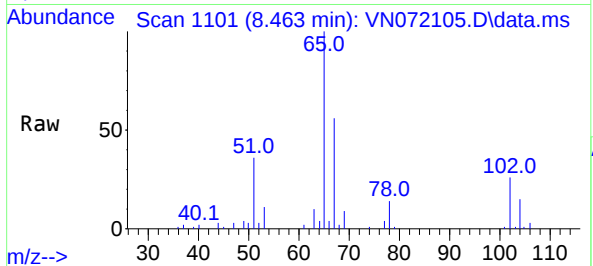




#40
Benzene
Concen: 0.292 ug/l
RT: 8.463 min Scan# 1100
Delta R.T. 0.006 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

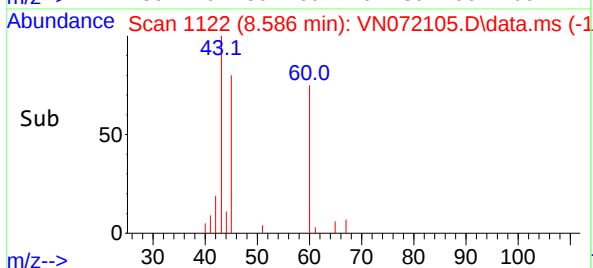
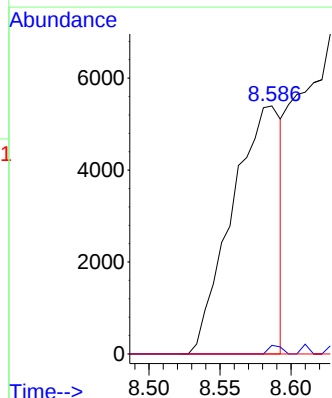
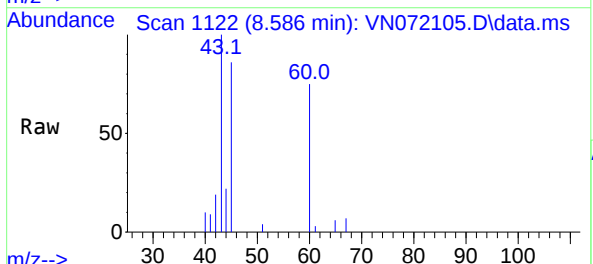
Instrument :
MSVOA_N
ClientSampleId :

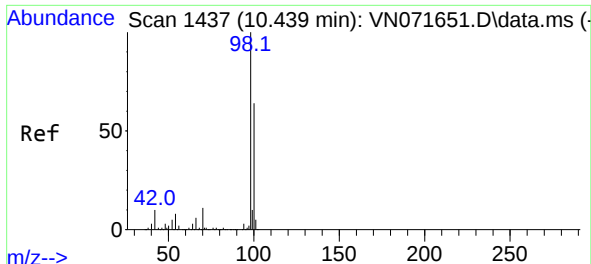
Tgt Ion: 78 Resp: 8313
Ion Ratio Lower Upper
78 100
77 26.7 19.4 29.0



#43
Isopropyl Acetate
Concen: 0.792 ug/l
RT: 8.586 min Scan# 1122
Delta R.T. 0.035 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

Tgt Ion: 43 Resp: 12997
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

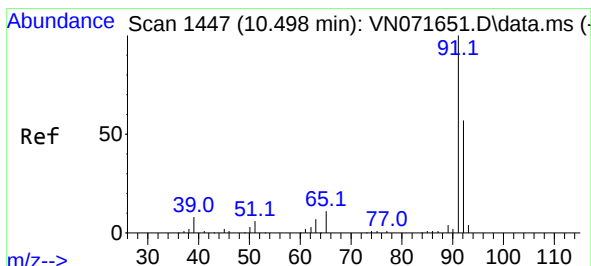
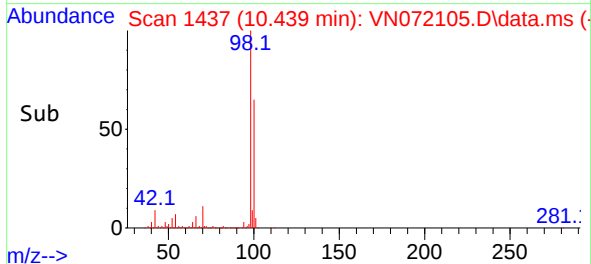
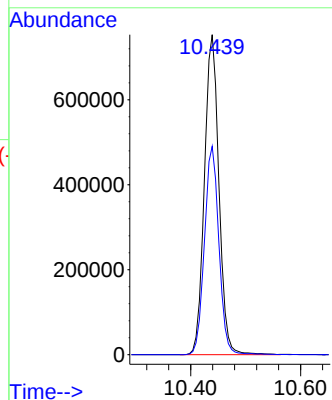
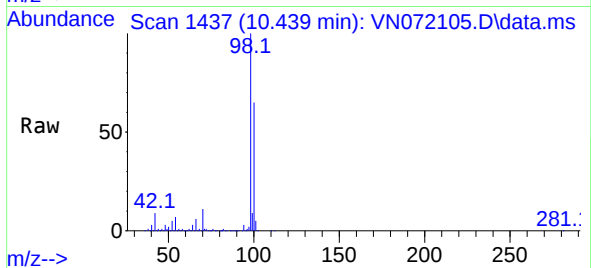




#50
Toluene-d8
Concen: 52.198 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

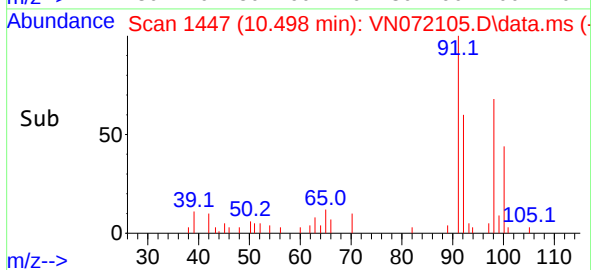
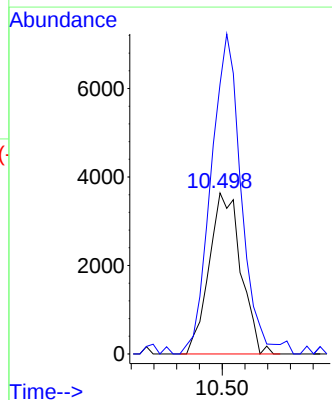
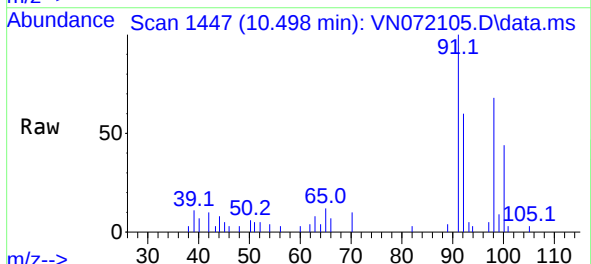
Instrument :
MSVOA_N
ClientSampleId :

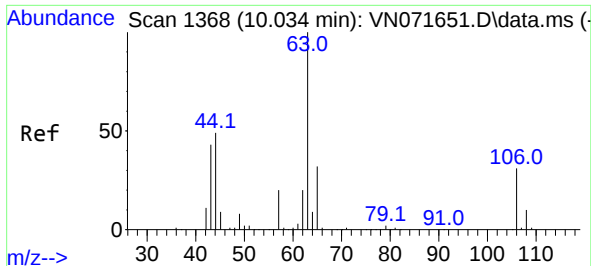
Tgt Ion: 98 Resp: 1377771
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#52
Toluene
Concen: 0.393 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

Tgt Ion: 92 Resp: 7068
Ion Ratio Lower Upper
92 100
91 189.5 138.6 207.8

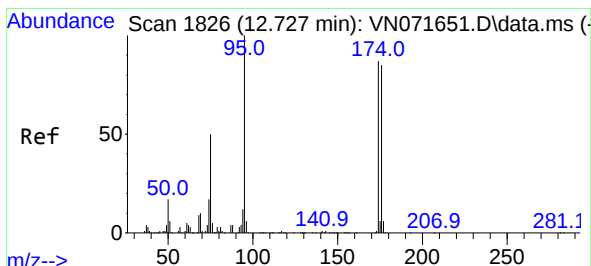
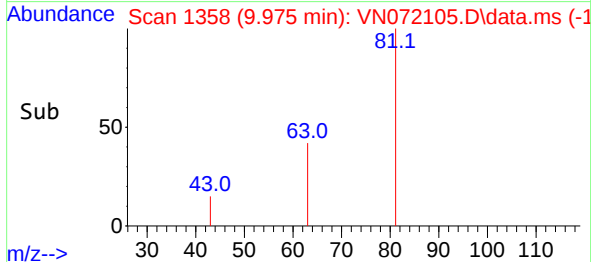
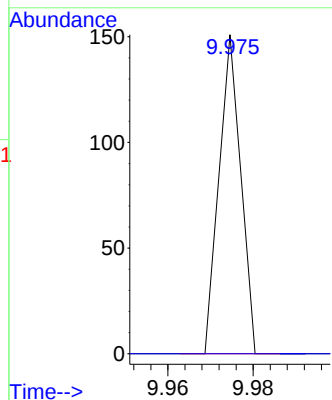
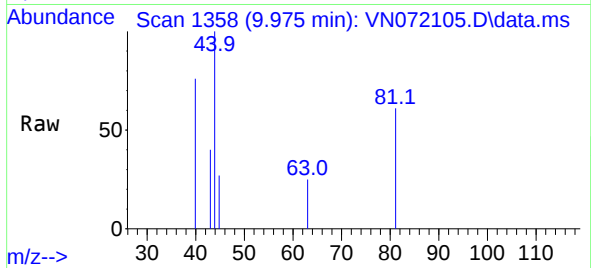




#58
2-Chloroethyl Vinyl ether
Concen: 16.982 ug/l
RT: 9.975 min Scan# 11
Delta R.T. -0.059 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

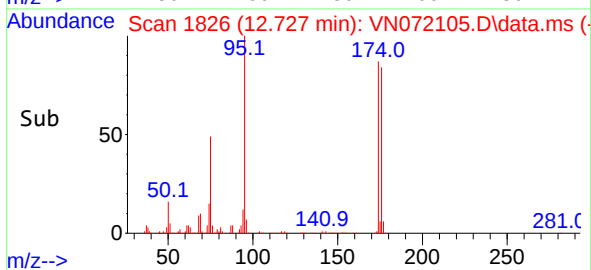
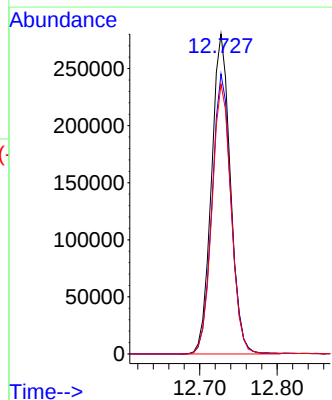
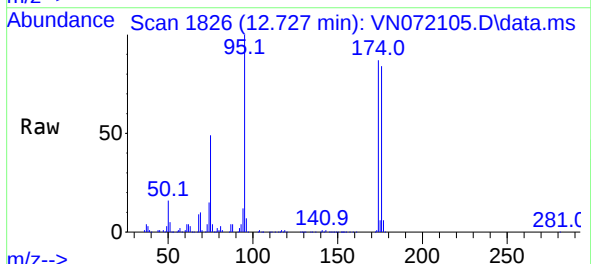
Instrument :
MSVOA_N
ClientSampleId :

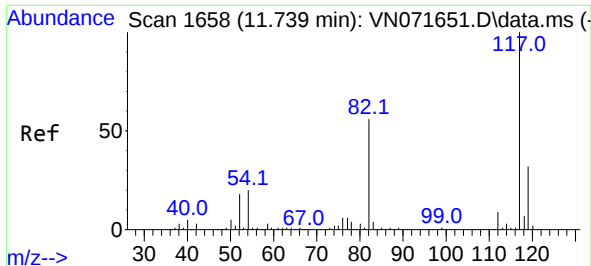
Tgt Ion: 63 Resp: 53
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#



#62
4-Bromofluorobenzene
Concen: 55.775 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

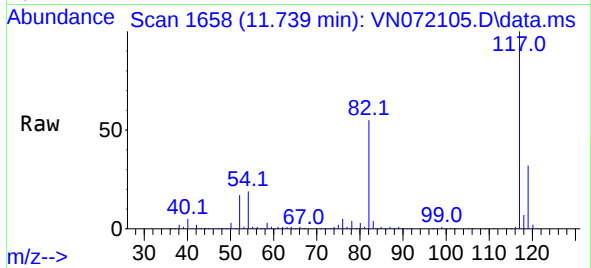
Tgt Ion: 95 Resp: 476132
Ion Ratio Lower Upper
95 100
174 87.8 0.0 167.6
176 85.0 0.0 163.4



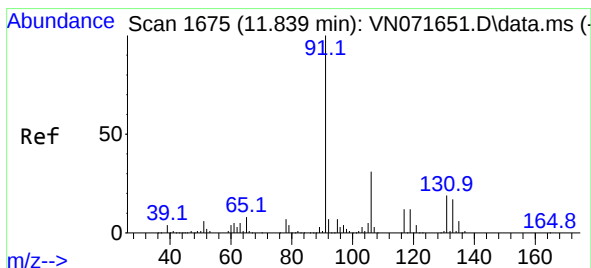
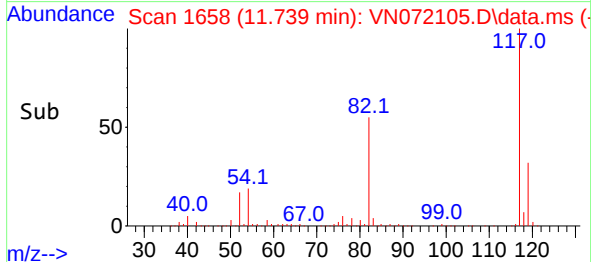
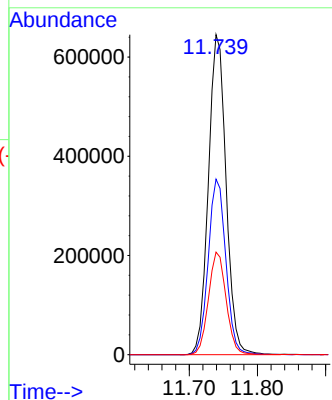


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1165748
Delta R.T. 0.000 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

Instrument :
MSVOA_N
ClientSampleId :

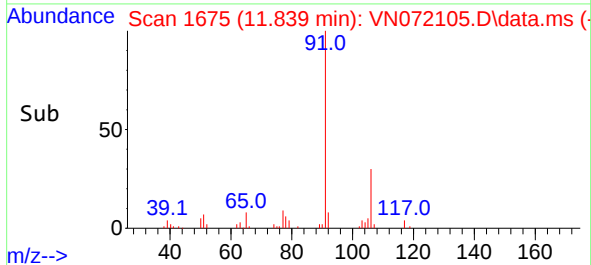
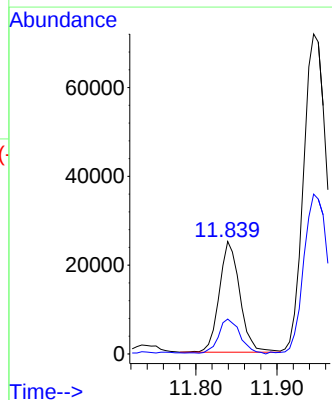
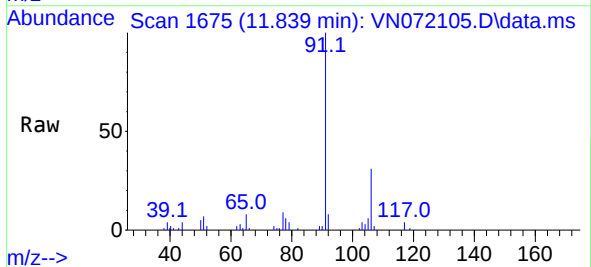


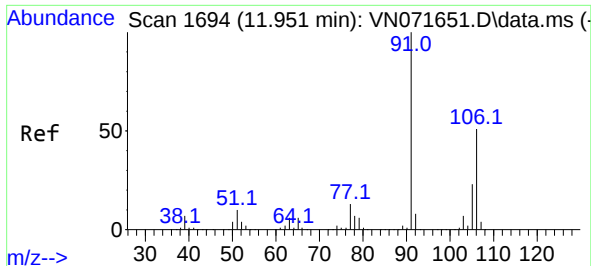
Tgt Ion:117 Resp: 1165748
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 32.1 25.4 38.0



#67
Ethyl Benzene
Concen: 1.114 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

Tgt Ion: 91 Resp: 44020
Ion Ratio Lower Upper
91 100
106 30.5 24.9 37.3

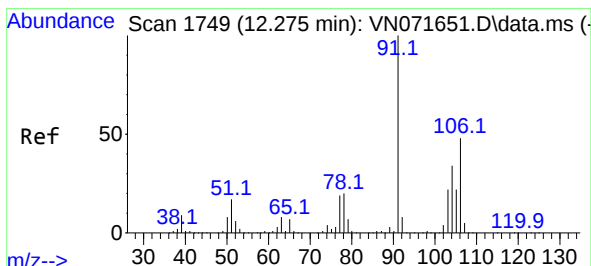
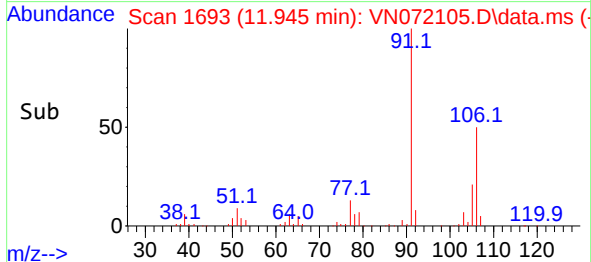
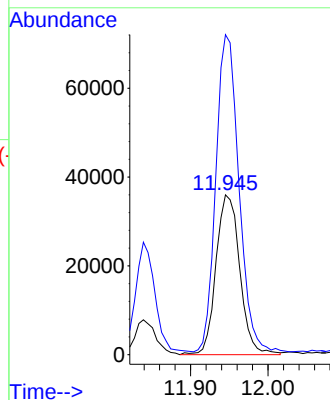
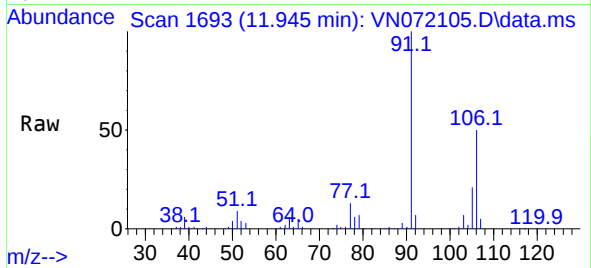




#68
m/p-Xylenes
Concen: 5.065 ug/l
RT: 11.945 min Scan# 1694
Delta R.T. -0.006 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

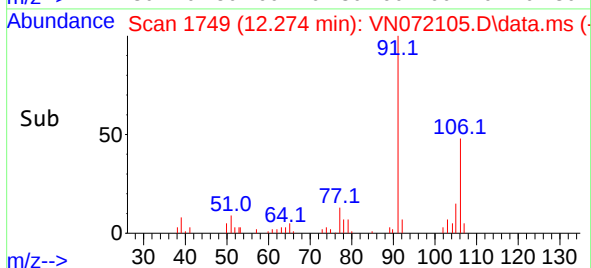
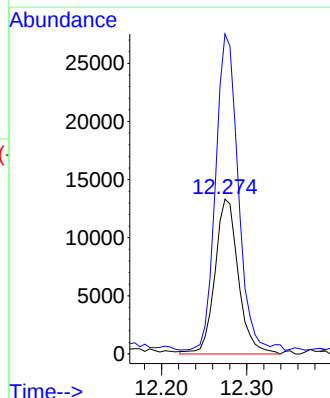
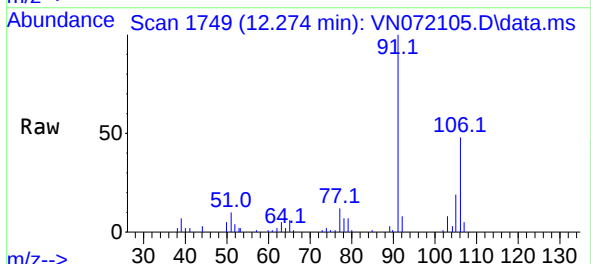
Instrument :
MSVOA_N
ClientSampleId :

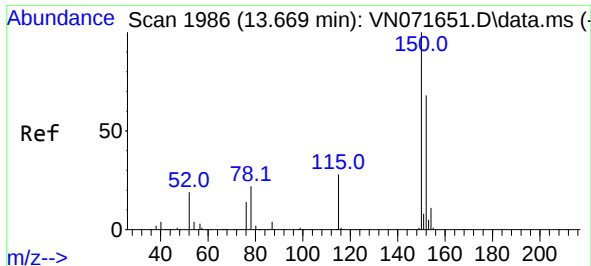
Tgt Ion:106 Resp: 76897
Ion Ratio Lower Upper
106 100
91 191.8 158.9 238.3



#69
o-Xylene
Concen: 1.687 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

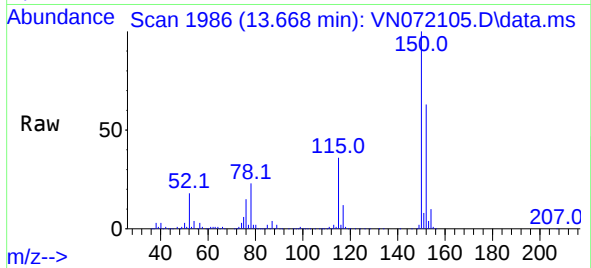
Tgt Ion:106 Resp: 25425
Ion Ratio Lower Upper
106 100
91 195.8 106.0 318.0



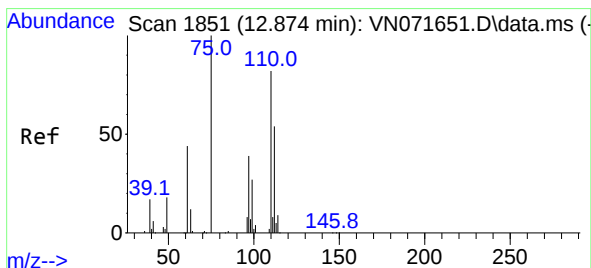
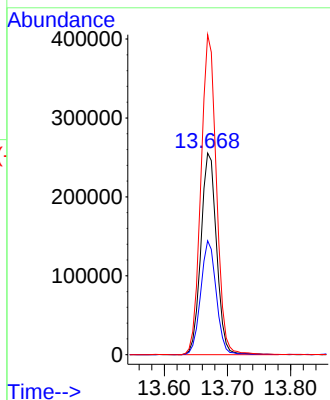
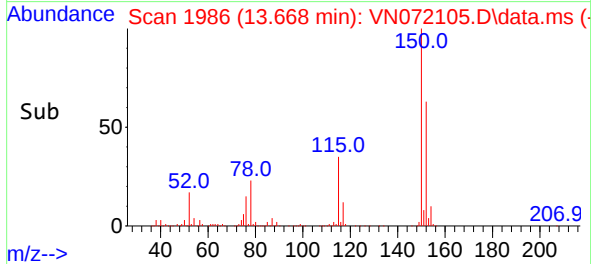


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

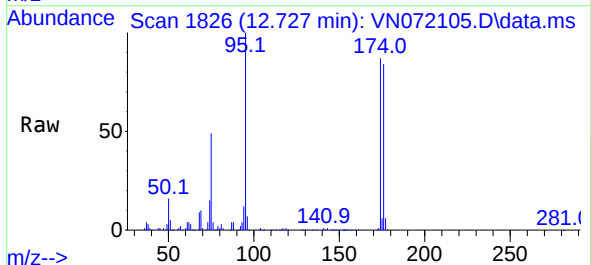
Instrument :
MSVOA_N
ClientSampleId :



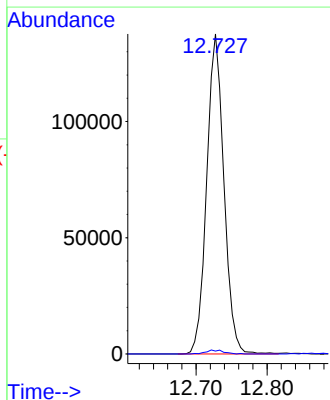
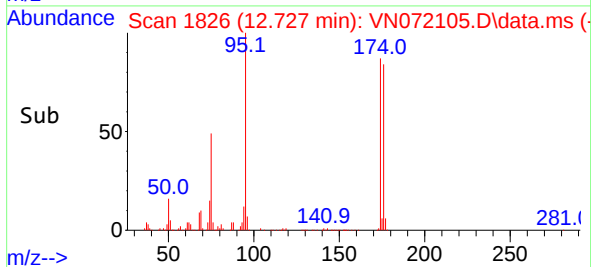
Tgt Ion:152 Resp: 439811
Ion Ratio Lower Upper
152 100
115 56.3 28.9 86.7
150 157.2 0.0 356.2

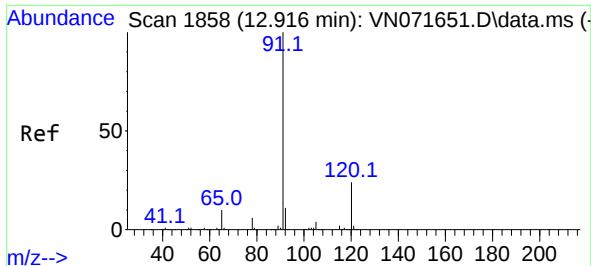


#76
1,2,3-Trichloropropane
Concen: 22.742 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06



Tgt Ion: 75 Resp: 231709
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#

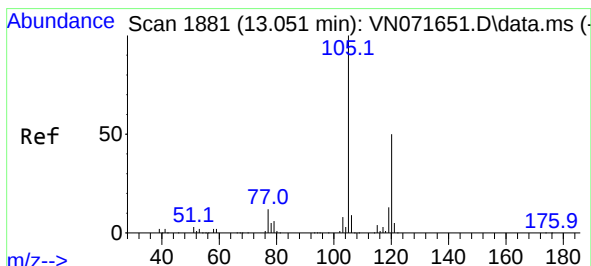
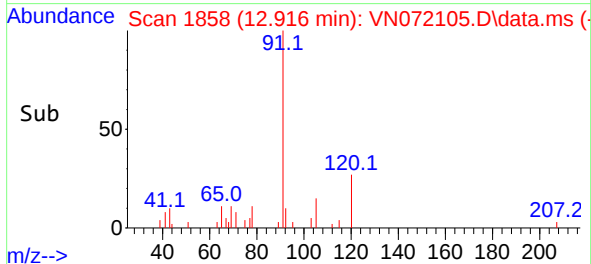
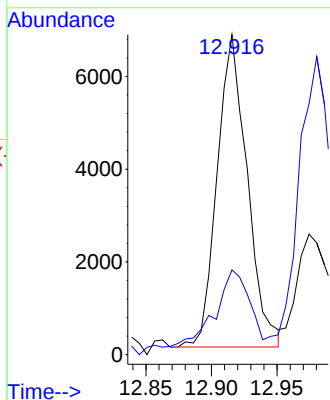
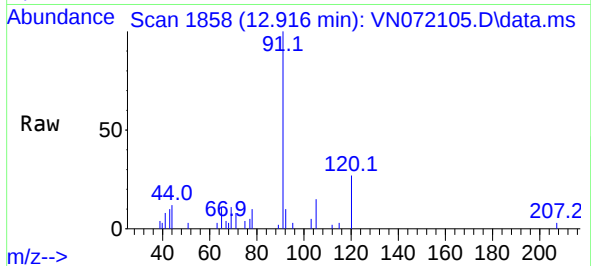




#78
n-propylbenzene
Concen: 0.275 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

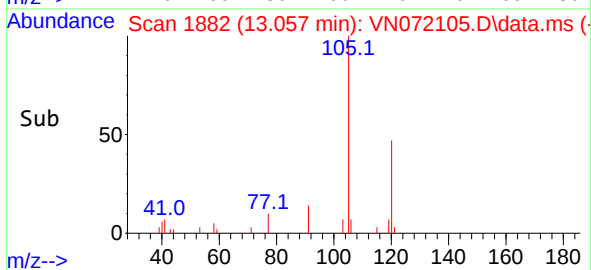
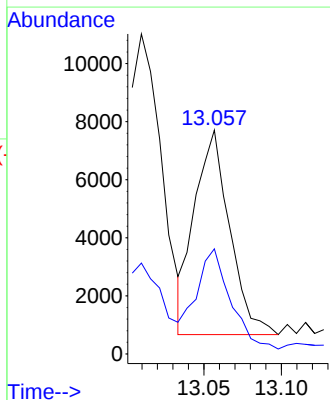
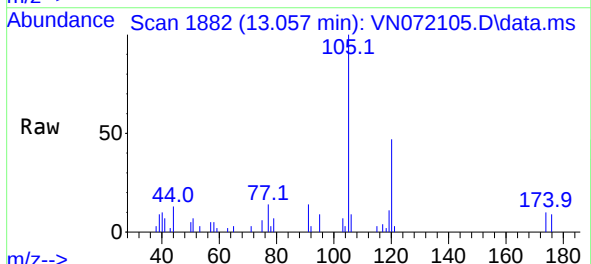
Instrument :
MSVOA_N
ClientSampleId :

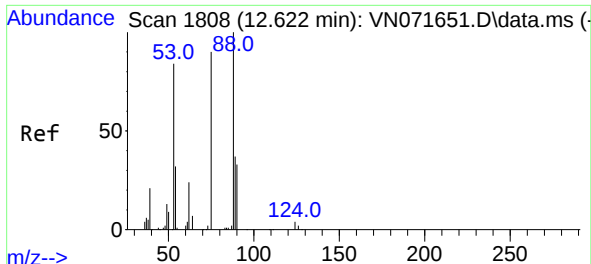
Tgt Ion: 91 Resp: 10738
Ion Ratio Lower Upper
91 100
120 36.7 11.9 35.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.379 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

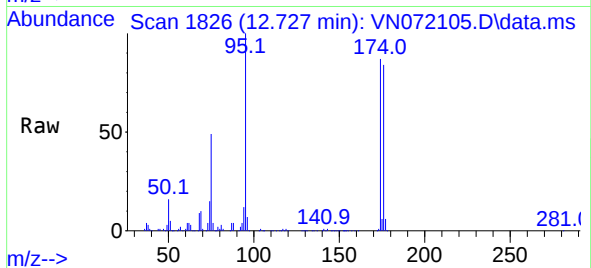
Tgt Ion: 105 Resp: 11127
Ion Ratio Lower Upper
105 100
120 48.0 24.9 74.7





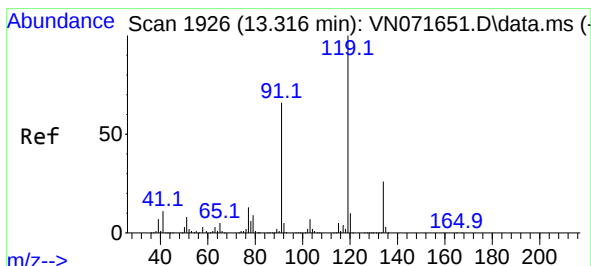
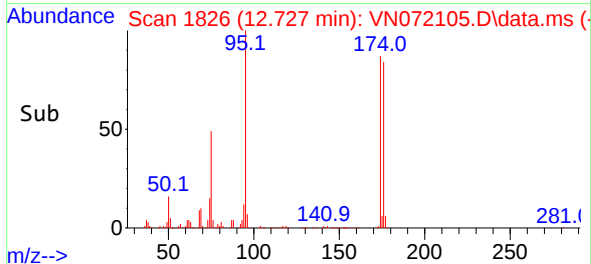
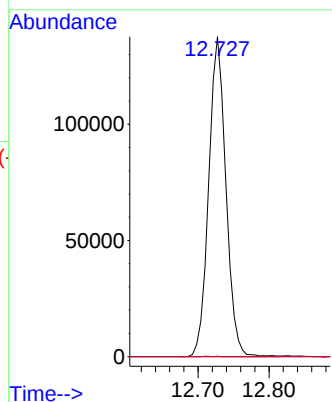
#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.477 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.105 min
 Lab File: VN072105.D
 Acq: 21 Apr 2022 03:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 231709

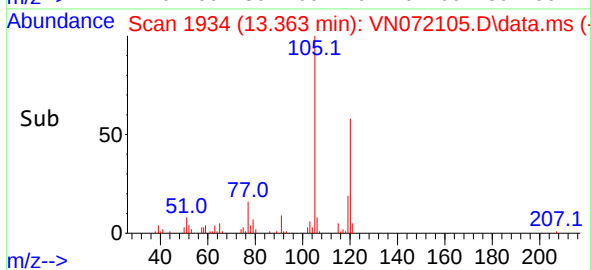
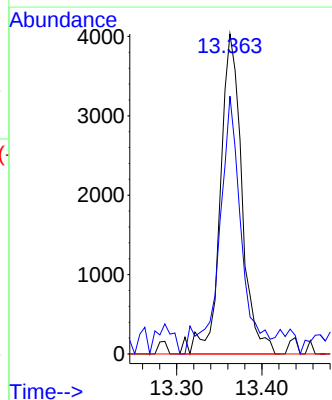
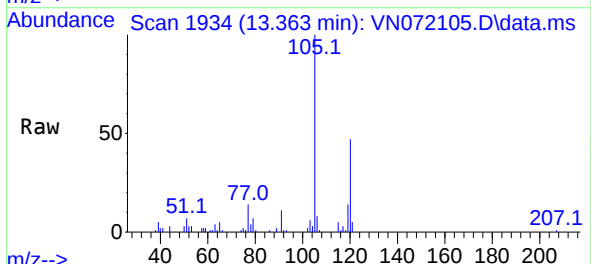
Ion	Ratio	Lower	Upper
75	100		
53	0.1	78.0	117.0#
89	0.0	37.2	55.8#

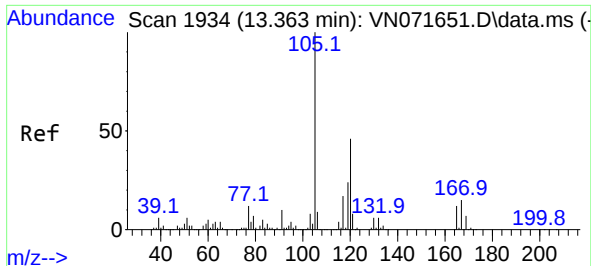


#83
 tert-Butylbenzene
 Concen: 0.265 ug/l
 RT: 13.363 min Scan# 1934
 Delta R.T. 0.047 min
 Lab File: VN072105.D
 Acq: 21 Apr 2022 03:06

Tgt Ion: 119 Resp: 7108

Ion	Ratio	Lower	Upper
119	100		
91	81.8	31.6	94.8
134	0.0	13.7	41.1#

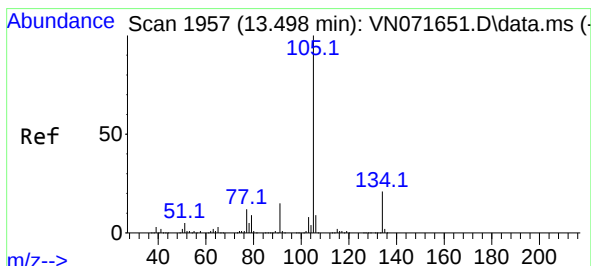
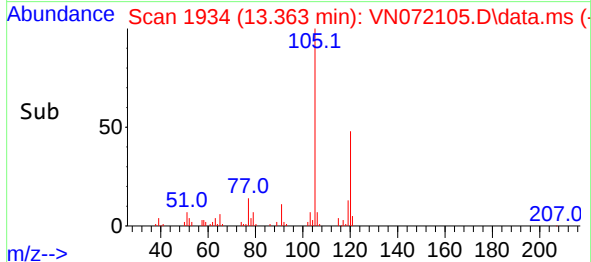
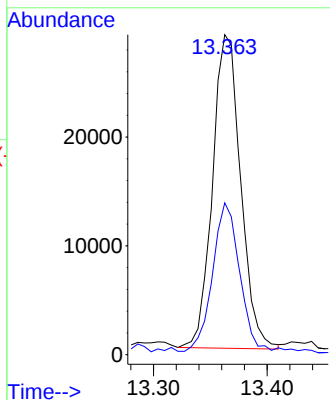
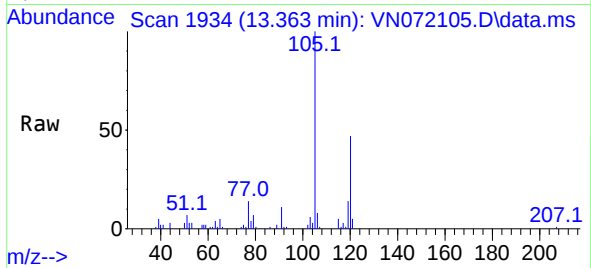




#84
1,2,4-Trimethylbenzene
Concen: 1.731 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

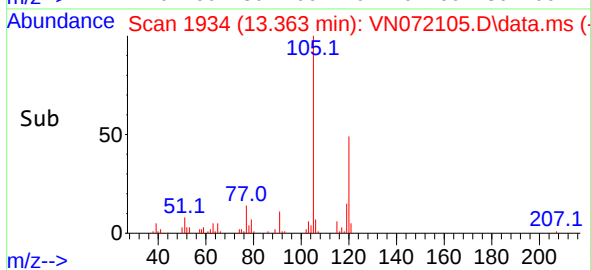
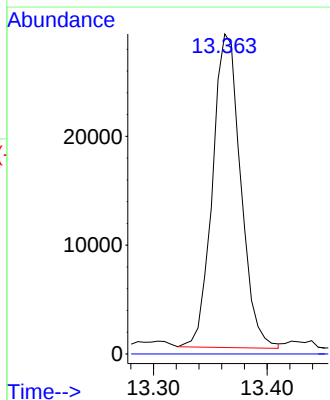
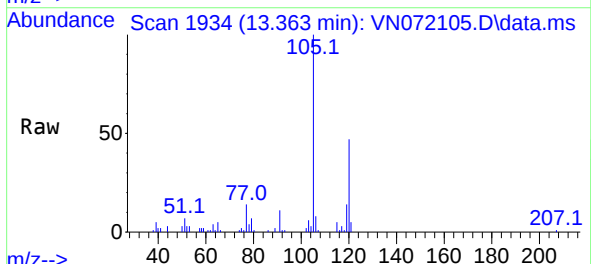
Instrument :
MSVOA_N
ClientSampleId :

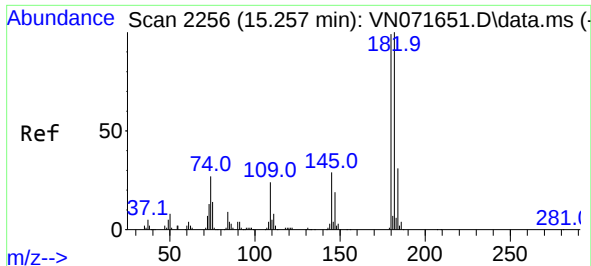
Tgt Ion:105 Resp: 49595
Ion Ratio Lower Upper
105 100
120 47.4 23.3 69.8



#85
sec-Butylbenzene
Concen: 1.425 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.135 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

Tgt Ion:105 Resp: 49595
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#

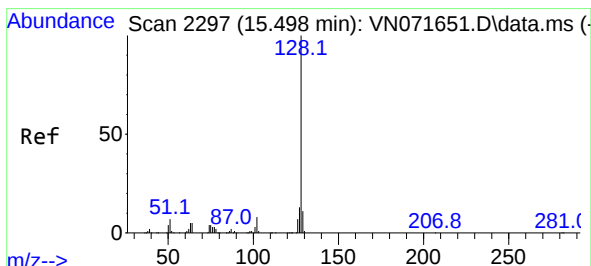
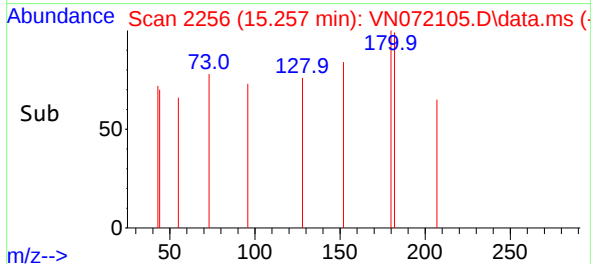
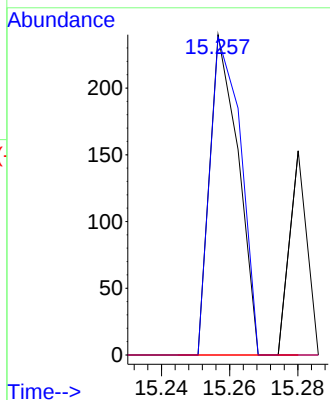
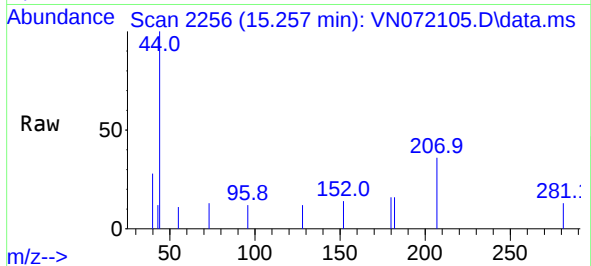




#93
1,2,4-Trichlorobenzene
Concen: 2.105 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

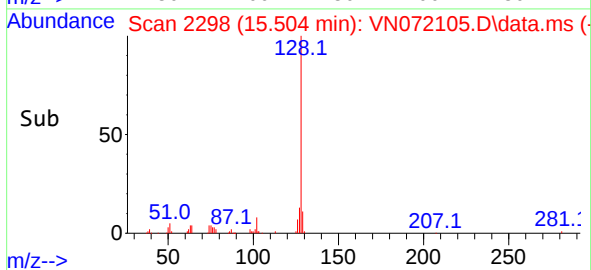
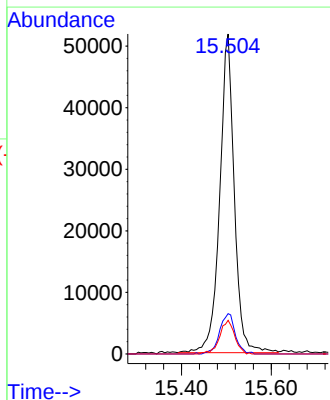
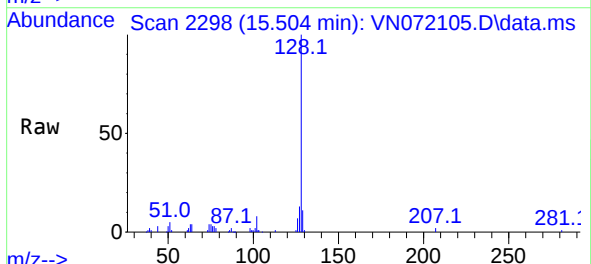
Instrument :
MSVOA_N
ClientSampleId :

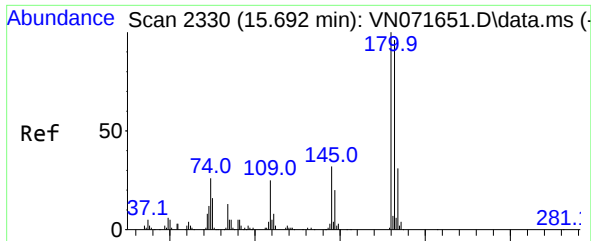
Tgt Ion	Ratio	Lower	Upper
180	100		
182	107.2	47.5	142.5
145	0.0	14.5	43.5#



#95
Naphthalene
Concen: 9.207 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072105.D
Acq: 21 Apr 2022 03:06

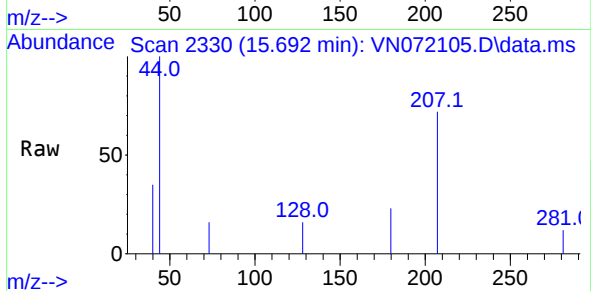
Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	10.9	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.431 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN072105.D
 Acq: 21 Apr 2022 03:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 122
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.3#
 145 54.9 15.5 46.5#

