

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042022\
 Data File : VN072101.D
 Acq On : 21 Apr 2022 01:29
 Operator : JC\MD
 Sample : N2482-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 21 03:41:01 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)

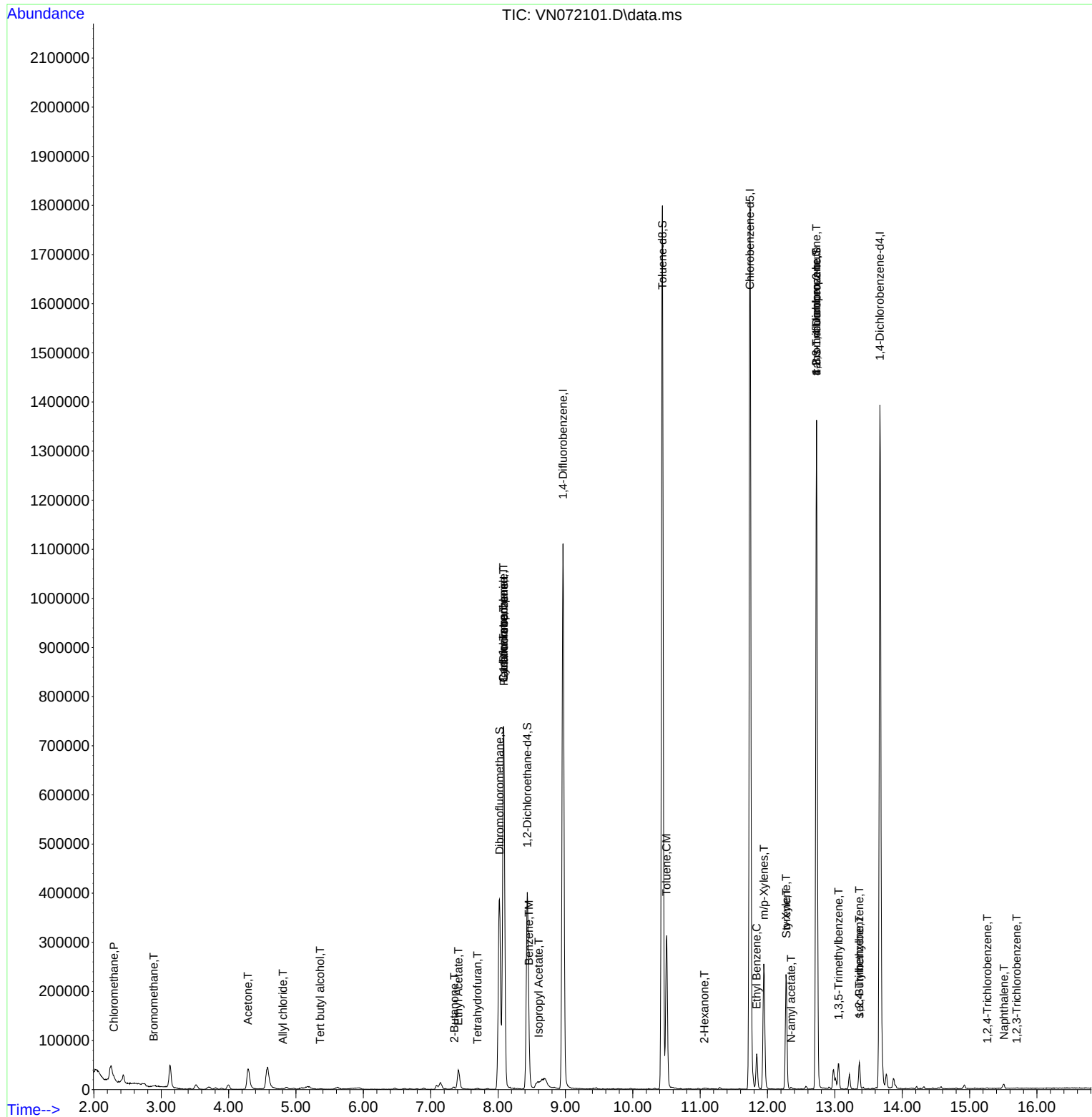
Internal Standards						
1) Pentafluorobenzene	8.086	168	615693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1030513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1127842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	424077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	324506	46.168	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.340%		
35) Dibromofluoromethane	8.022	113	292420	48.222	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.440%		
50) Toluene-d8	10.439	98	1329672	53.602	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.200%		
62) 4-Bromofluorobenzene	12.727	95	481119	59.969	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	119.940%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1700	0.274	ug/l	94
5) Bromomethane	2.887	94	1726	0.390	ug/l	80
11) Tert butyl alcohol	5.357	59	1240	1.087	ug/l #	72
14) Allyl chloride	4.804	41	1744	0.211	ug/l #	24
16) Acetone	4.287	43	76852	25.584	ug/l	94
18) Methyl Acetate	4.851	43	7246	Below Cal		96
25) 2-Butanone	7.351	43	7250	1.674	ug/l	100
29) Tetrahydrofuran	7.692	42	733	0.261	ug/l #	64
31) Cyclohexane	8.081	56	14106	1.476	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	39599	4.676	ug/l #	49
37) Ethyl Acetate	7.410	43	60054	6.479	ug/l	96
38) Carbon Tetrachloride	8.081	117	53228	6.414	ug/l #	17
40) Benzene	8.457	78	34139	1.276	ug/l	99
43) Isopropyl Acetate	8.604	43	18765	1.217	ug/l #	53
52) Toluene	10.498	92	142489	8.426	ug/l	100
59) 2-Hexanone	11.063	43	1817	0.291	ug/l #	21
67) Ethyl Benzene	11.839	91	52222	1.366	ug/l	96
68) m/p-Xylenes	11.945	106	86980	5.921	ug/l	99
69) o-Xylene	12.274	106	68572	4.703	ug/l	96
70) Styrene	12.280	104	5924	0.268	ug/l #	1
74) N-amyl acetate	12.351	43	2726	0.266	ug/l #	40
76) 1,2,3-Trichloropropane	12.727	75	230126	23.425	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	28200	0.996	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.727	75	230126	72.592	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.363	105	32160	1.164	ug/l	98
85) sec-Butylbenzene	13.363	105	32160	0.959	ug/l #	56
93) 1,2,4-Trichlorobenzene	15.262	180	699	2.185	ug/l #	85
95) Naphthalene	15.509	128	10139	4.288	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	569	2.497	ug/l #	84

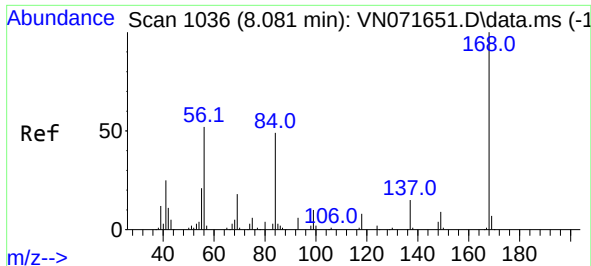
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042022\
Data File : VN072101.D
Acq On : 21 Apr 2022 01:29
Operator : JC\MD
Sample : N2482-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 21 03:41:01 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

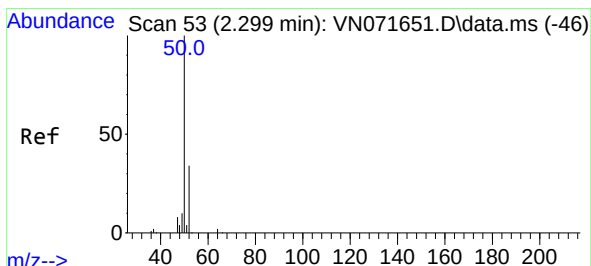
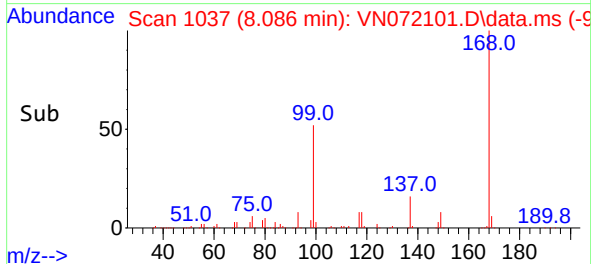
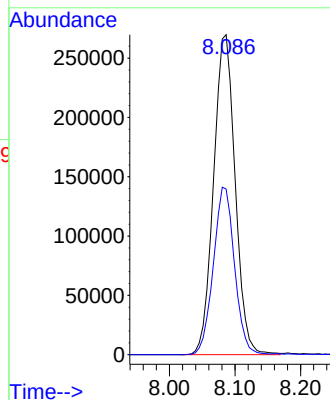
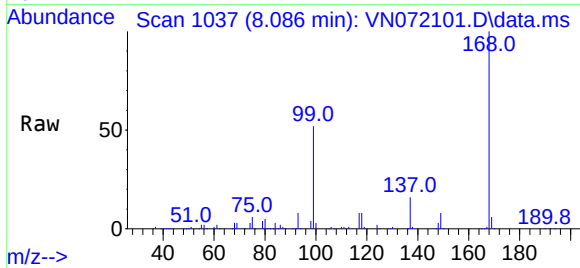




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

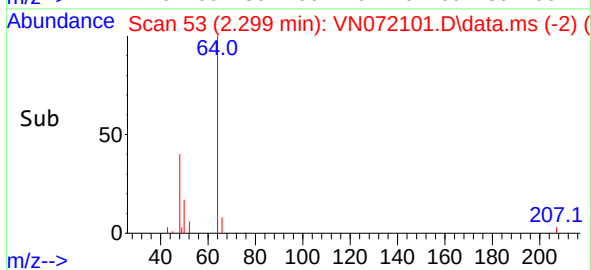
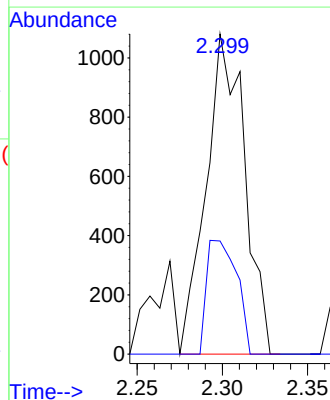
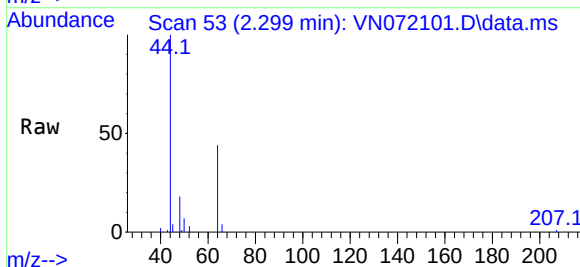
Instrument :
MSVOA_N
ClientSampleId :

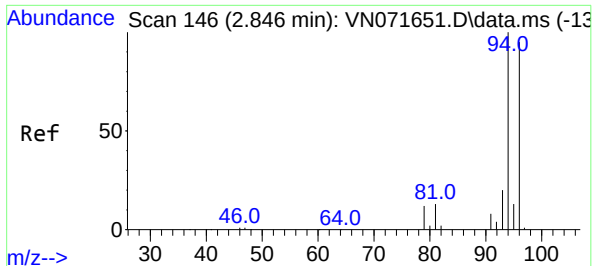
Tgt Ion:168 Resp: 615693
Ion Ratio Lower Upper
168 100
99 51.8 42.3 63.5



#3
Chloromethane
Concen: 0.274 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

Tgt Ion: 50 Resp: 1700
Ion Ratio Lower Upper
50 100
52 35.3 25.7 38.5

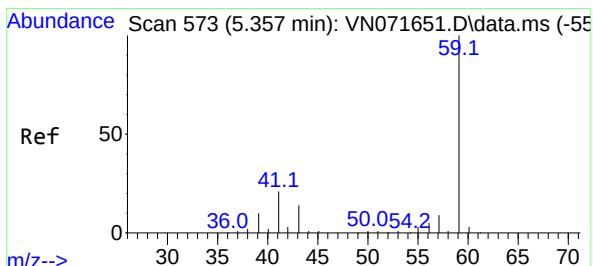
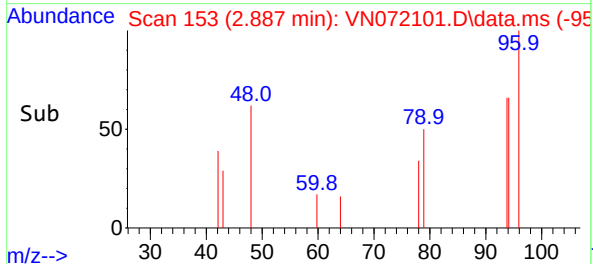
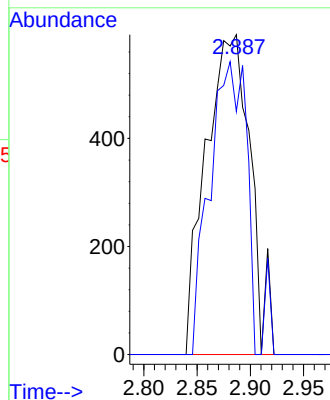
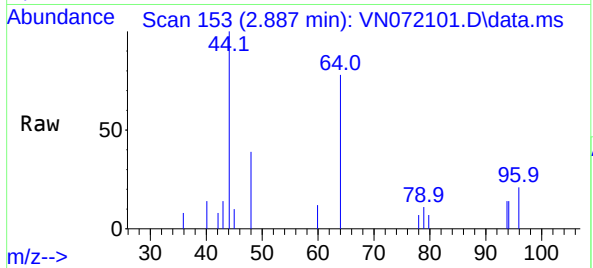




#5
Bromomethane
Concen: 0.390 ug/l
RT: 2.887 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

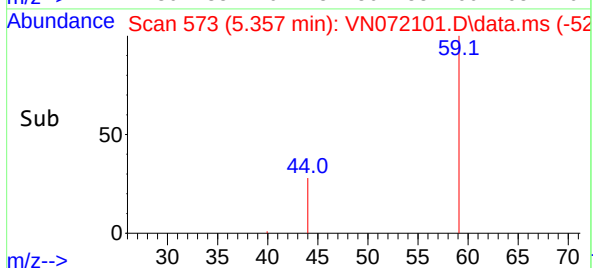
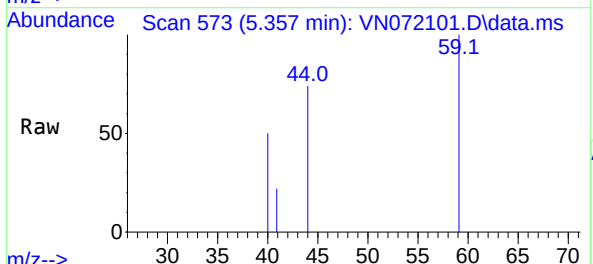
Instrument :
MSVOA_N
ClientSampleId :

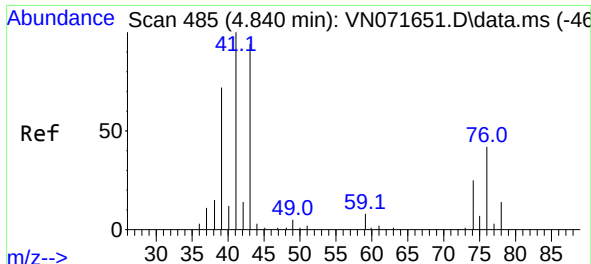
Tgt Ion: 94 Resp: 1726
Ion Ratio Lower Upper
94 100
96 76.0 76.0 114.0



#11
Tert butyl alcohol
Concen: 1.087 ug/l
RT: 5.357 min Scan# 573
Delta R.T. 0.000 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

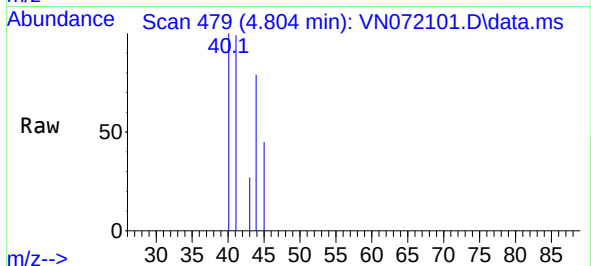
Tgt Ion: 59 Resp: 1240
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



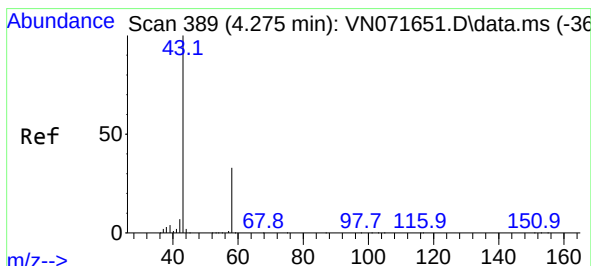
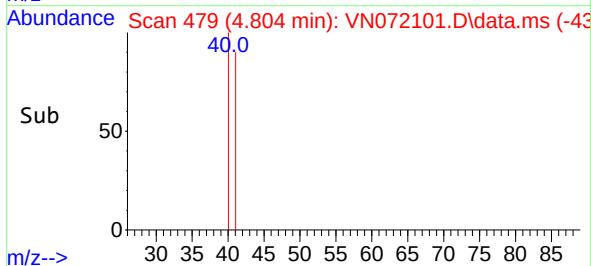
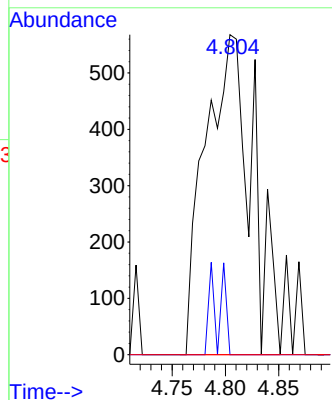


#14
 Allyl chloride
 Concen: 0.211 ug/l
 RT: 4.804 min Scan# 41
 Delta R.T. -0.036 min
 Lab File: VN072101.D
 Acq: 21 Apr 2022 01:29

Instrument :
 MSVOA_N
 ClientSampleId :

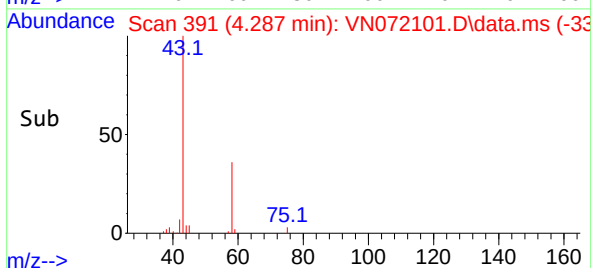
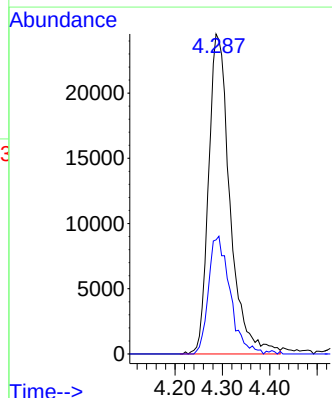
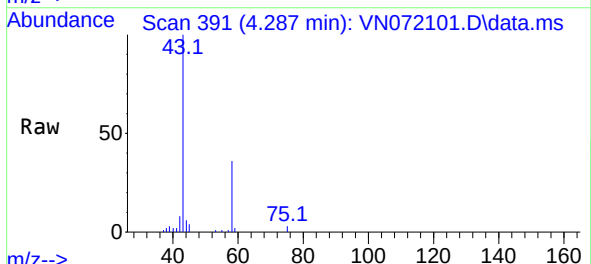


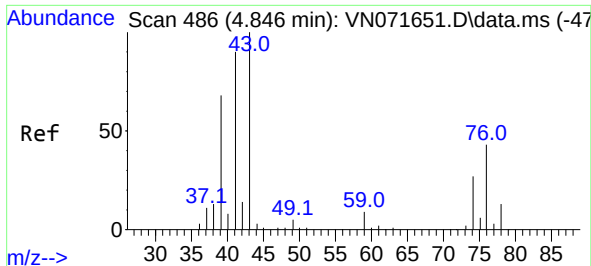
Tgt Ion: 41 Resp: 1744
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.2 79.8#
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 25.584 ug/l
 RT: 4.287 min Scan# 391
 Delta R.T. 0.012 min
 Lab File: VN072101.D
 Acq: 21 Apr 2022 01:29

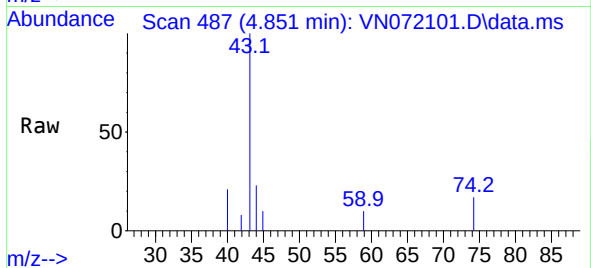
Tgt Ion: 43 Resp: 76852
 Ion Ratio Lower Upper
 43 100
 58 35.7 26.0 39.0



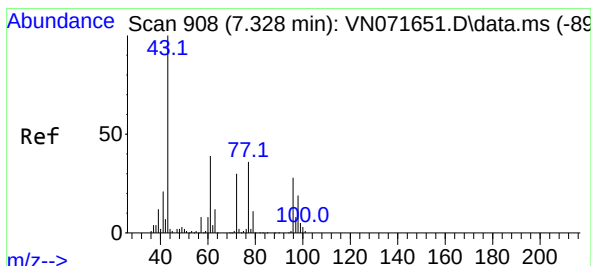
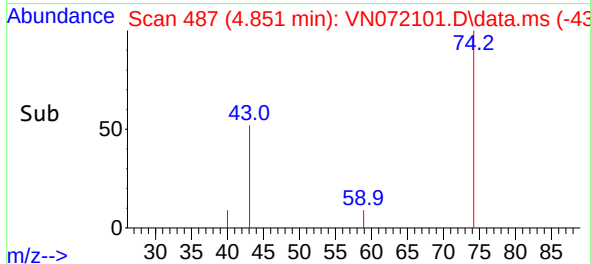
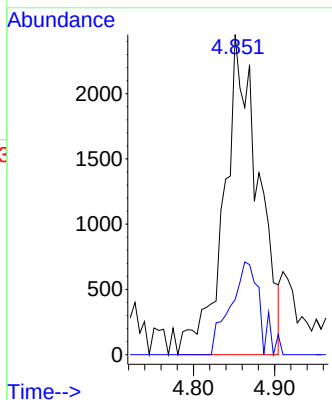


#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

Instrument :
MSVOA_N
ClientSampleId :

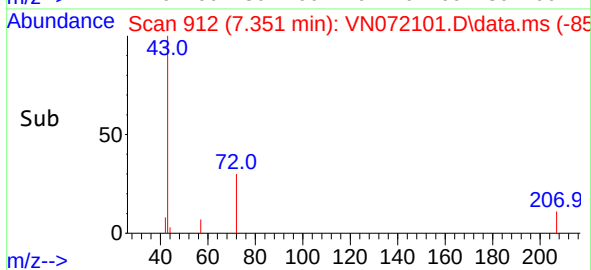
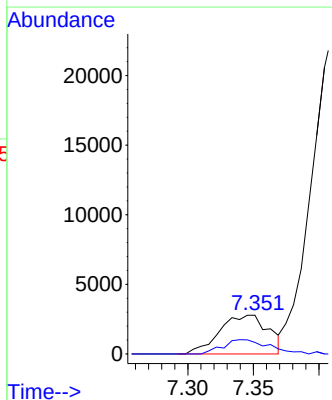
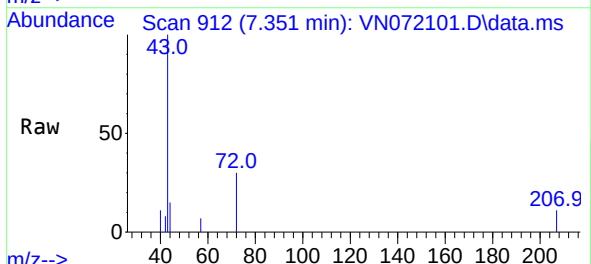


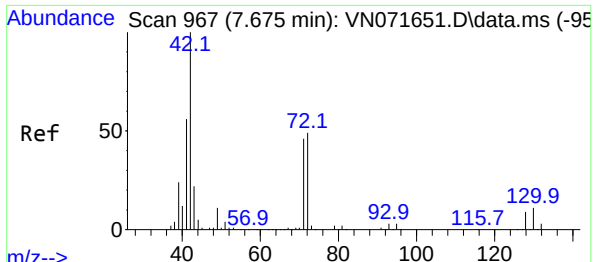
Tgt Ion: 43 Resp: 7246
Ion Ratio Lower Upper
43 100
74 24.8 21.6 32.4



#25
2-Butanone
Concen: 1.674 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.023 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

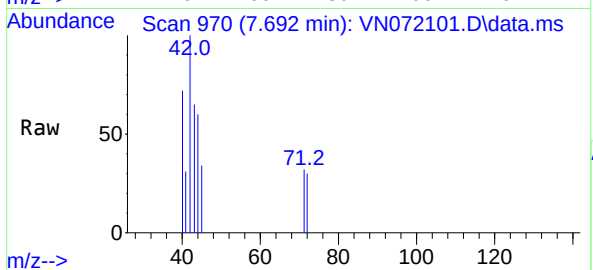
Tgt Ion: 43 Resp: 7250
Ion Ratio Lower Upper
43 100
72 29.7 23.7 35.5



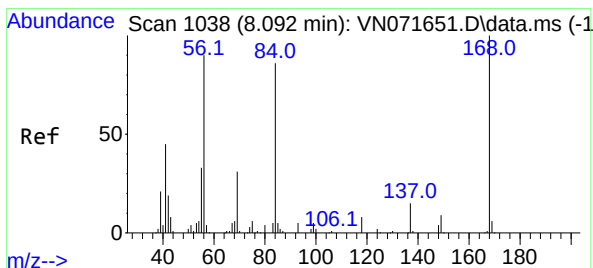
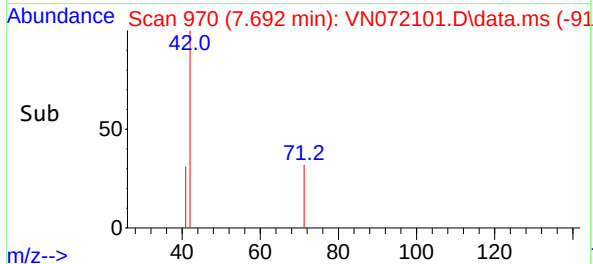
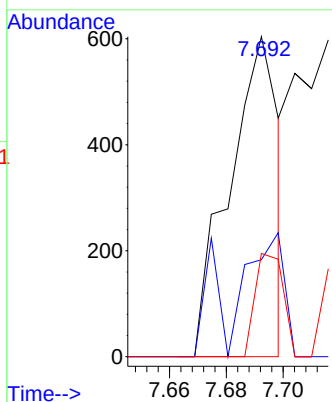


#29
Tetrahydrofuran
Concen: 0.261 ug/l
RT: 7.692 min Scan# 91
Delta R.T. 0.017 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

Instrument :
MSVOA_N
ClientSampleId :

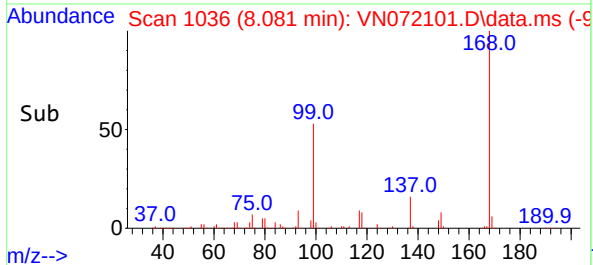
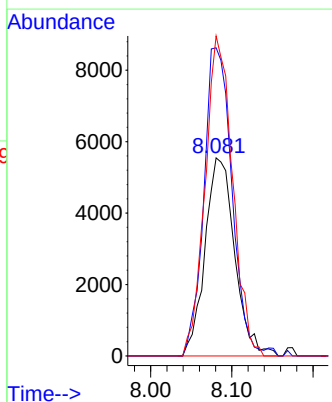
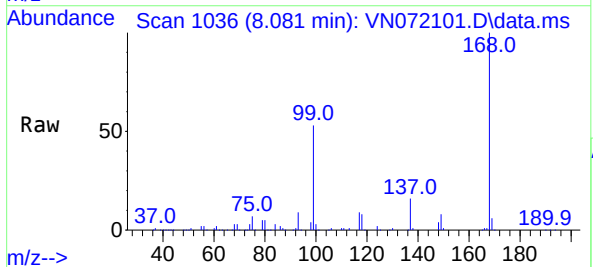


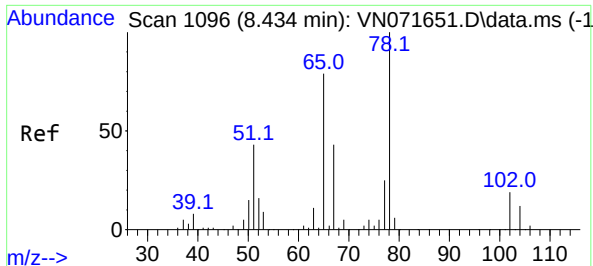
Tgt Ion: 42 Resp: 733
Ion Ratio Lower Upper
42 100
72 28.5 39.7 59.5#
71 18.3 36.6 55.0#



#31
Cyclohexane
Concen: 1.476 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

Tgt Ion: 56 Resp: 14106
Ion Ratio Lower Upper
56 100
69 155.6 27.8 41.8#
84 161.5 76.9 115.3#

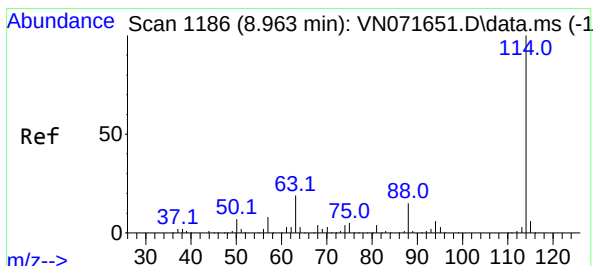
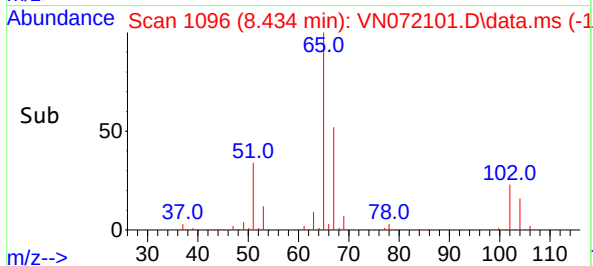
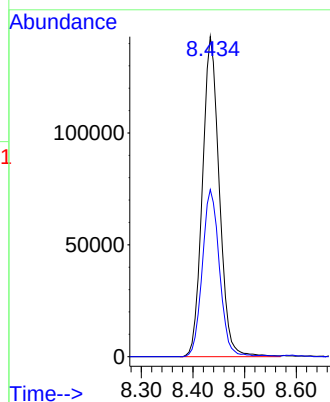
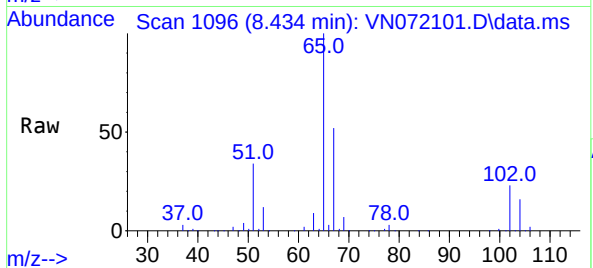




#33
1,2-Dichloroethane-d4
Concen: 46.168 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

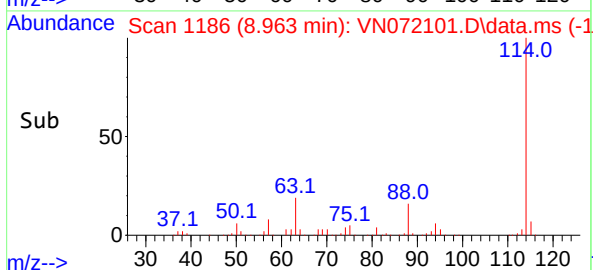
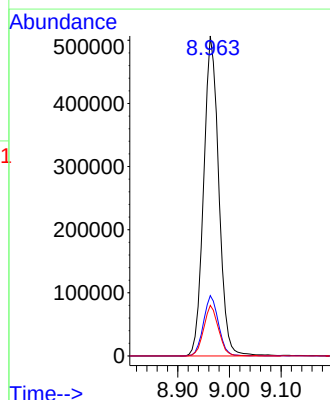
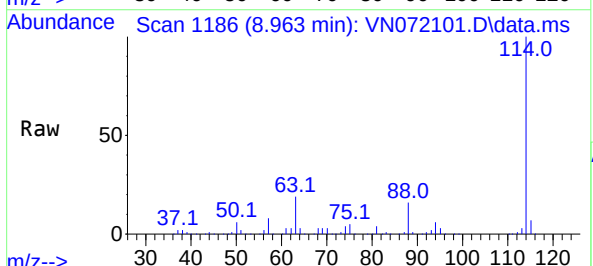
Instrument :
MSVOA_N
ClientSampleId :

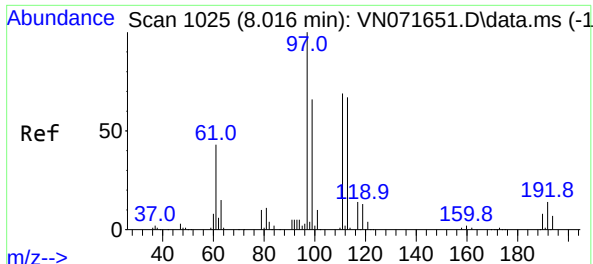
Tgt Ion: 65 Resp: 324506
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

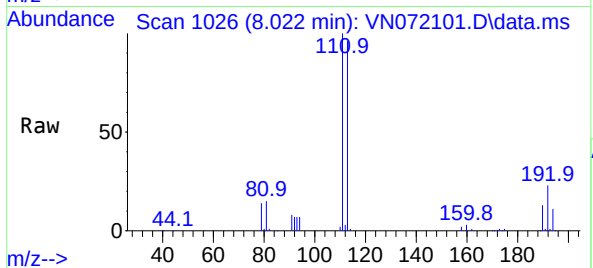
Tgt Ion:114 Resp: 1030513
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.0
88 15.8 0.0 32.6



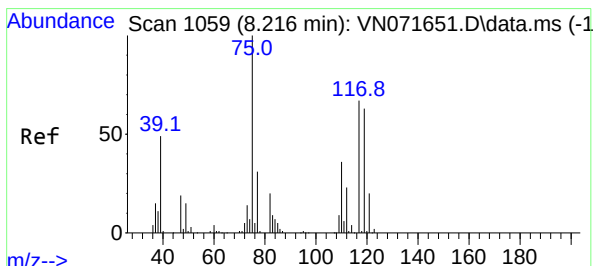
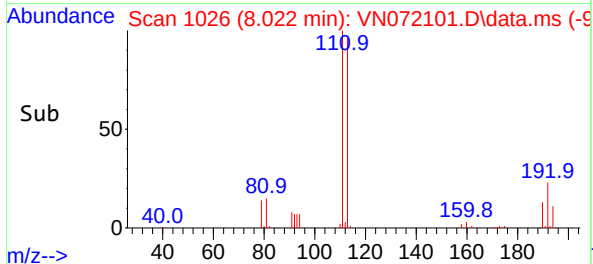
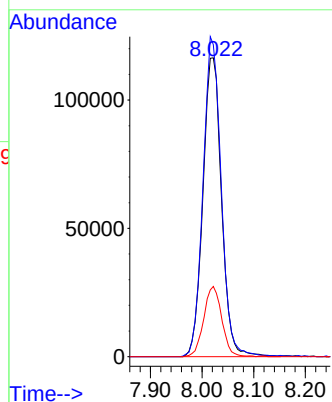


#35
Dibromofluoromethane
Concen: 48.222 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

Instrument :
MSVOA_N
ClientSampleId :

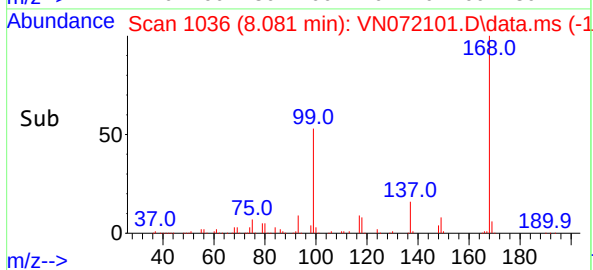
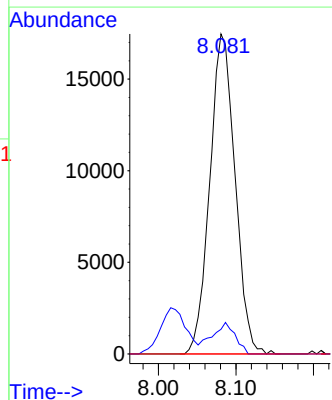
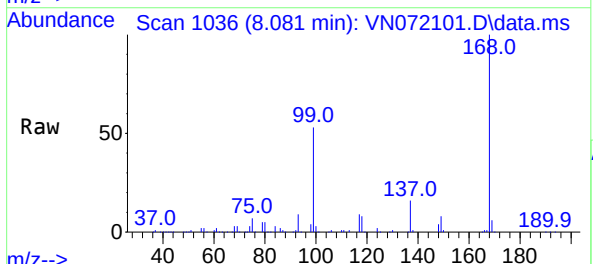


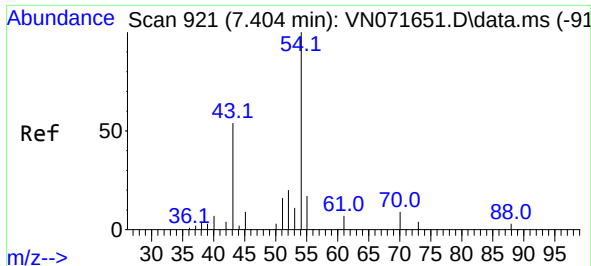
Tgt Ion:113 Resp: 292420
Ion Ratio Lower Upper
113 100
111 104.1 81.4 122.0
192 22.7 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.676 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

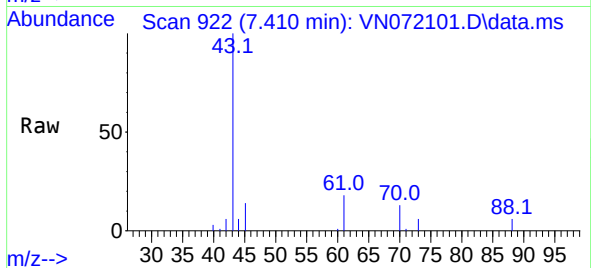
Tgt Ion: 75 Resp: 39599
Ion Ratio Lower Upper
75 100
110 9.1 18.3 54.8#
77 0.0 25.1 37.7#



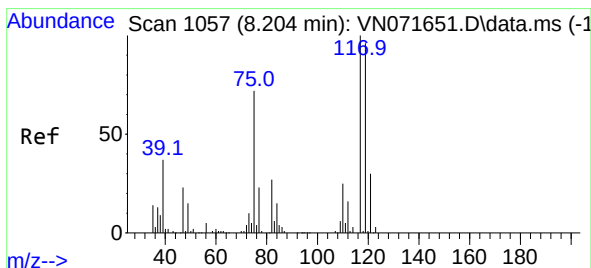
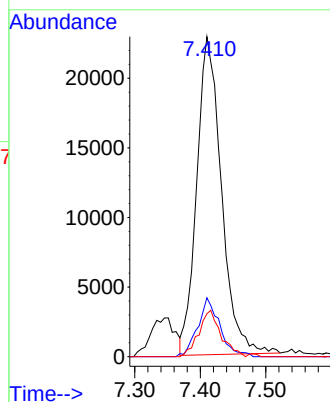
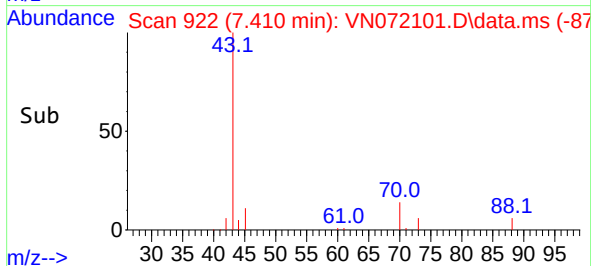


#37
Ethyl Acetate
Concen: 6.479 ug/l
RT: 7.410 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

Instrument :
MSVOA_N
ClientSampleId :

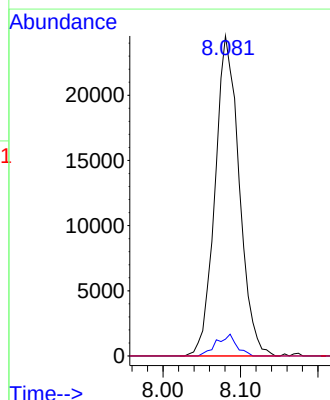
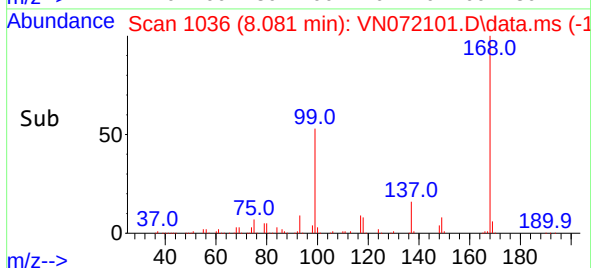
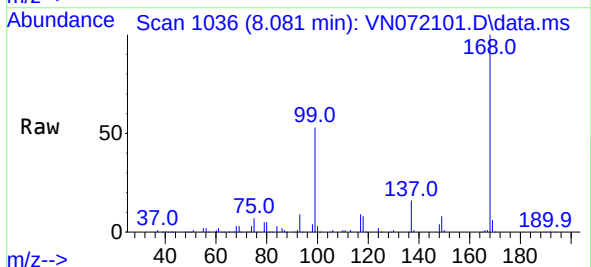


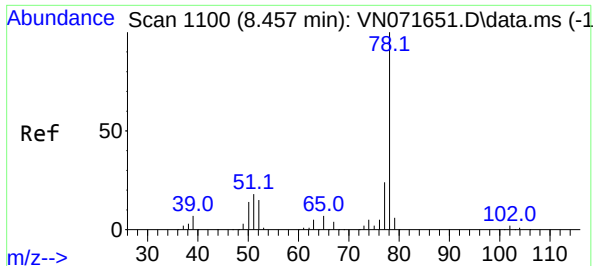
Tgt Ion: 43 Resp: 60054
Ion Ratio Lower Upper
43 100
61 16.5 11.8 17.6
70 13.0 9.3 13.9



#38
Carbon Tetrachloride
Concen: 6.414 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

Tgt Ion: 117 Resp: 53228
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.8#
121 0.0 24.6 37.0#

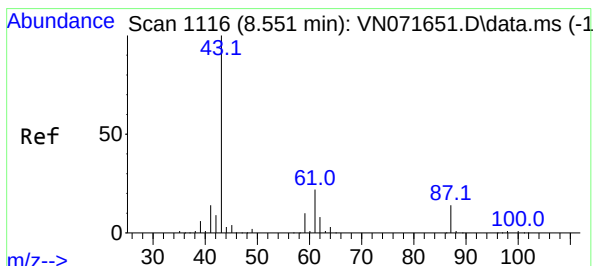
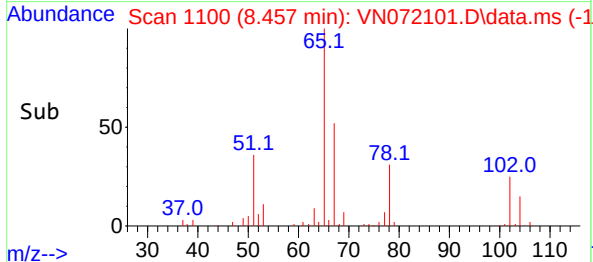
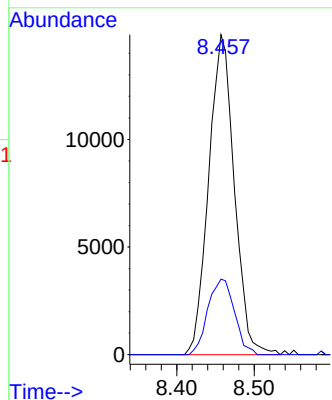
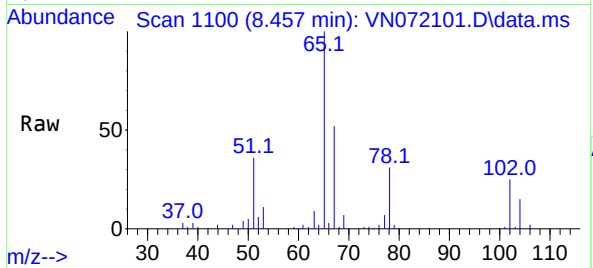




#40
Benzene
Concen: 1.276 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

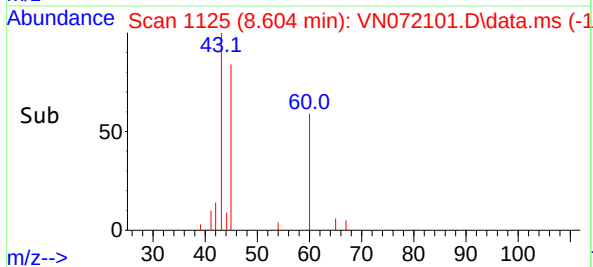
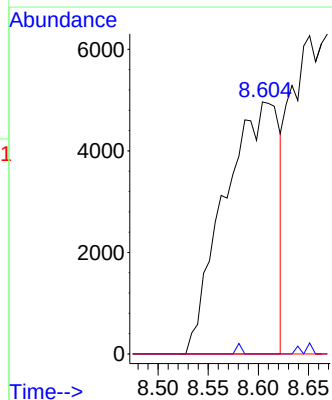
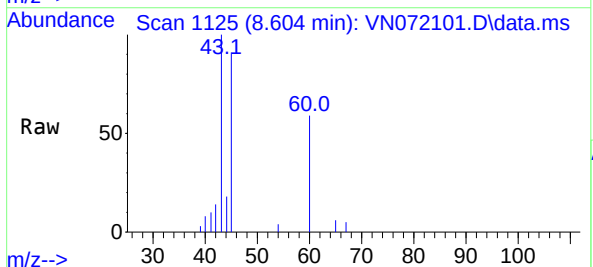
Instrument :
MSVOA_N
ClientSampleId :

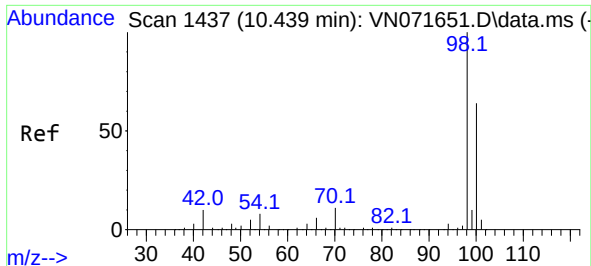
Tgt Ion: 78 Resp: 34139
Ion Ratio Lower Upper
78 100
77 23.6 19.4 29.0



#43
Isopropyl Acetate
Concen: 1.217 ug/l
RT: 8.604 min Scan# 1125
Delta R.T. 0.053 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

Tgt Ion: 43 Resp: 18765
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

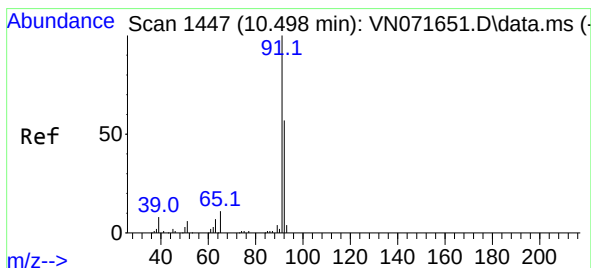
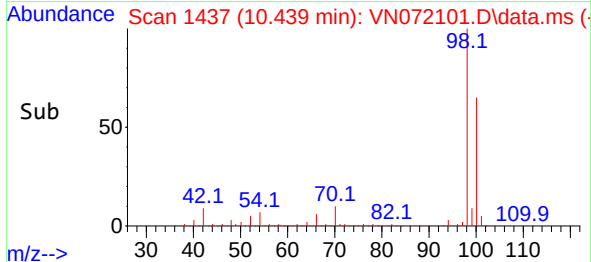
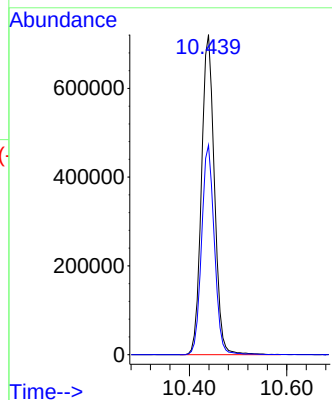
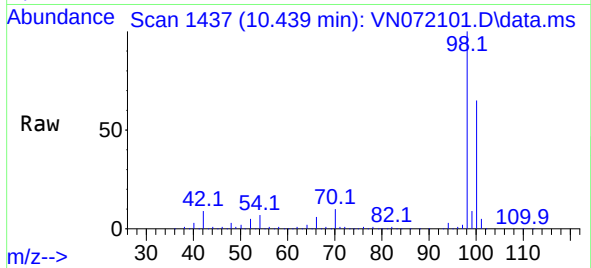




#50
Toluene-d8
Concen: 53.602 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

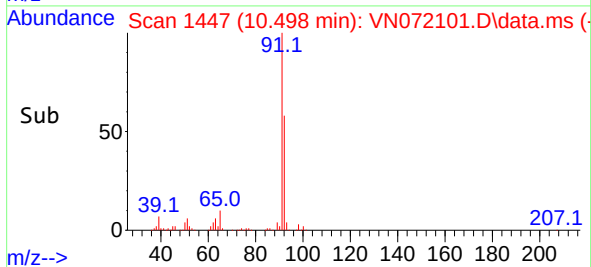
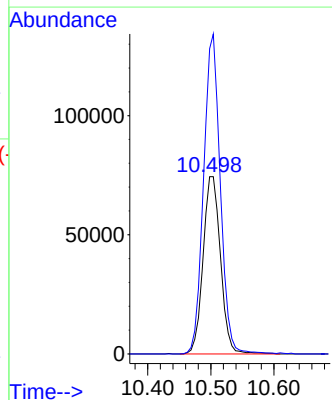
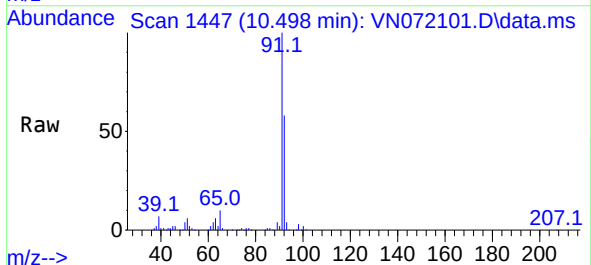
Instrument :
MSVOA_N
ClientSampleId :

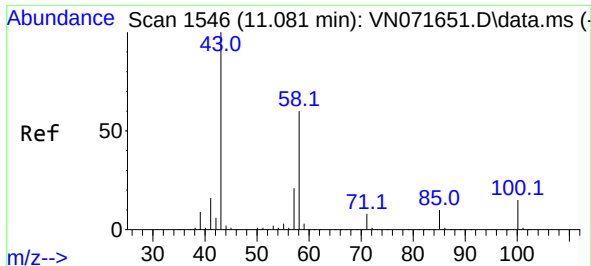
Tgt Ion: 98 Resp: 1329672
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#52
Toluene
Concen: 8.426 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

Tgt Ion: 92 Resp: 142489
Ion Ratio Lower Upper
92 100
91 173.2 138.6 207.8

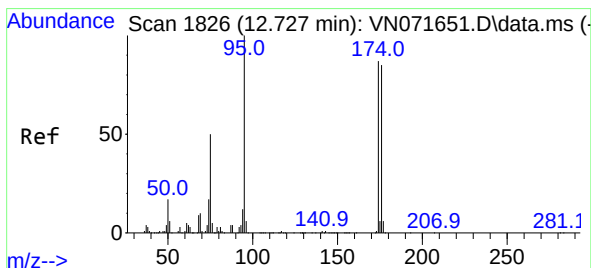
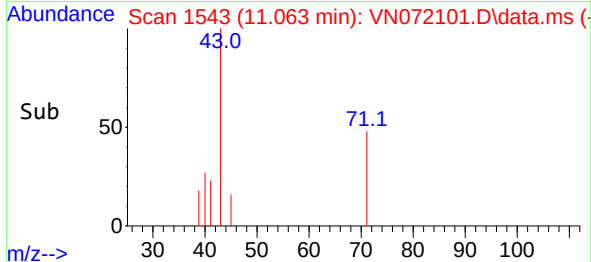
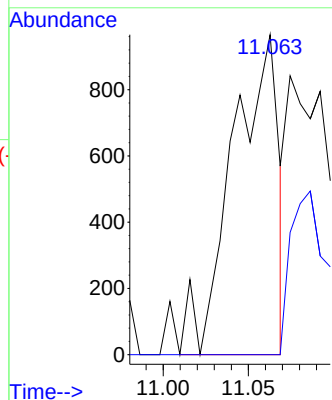
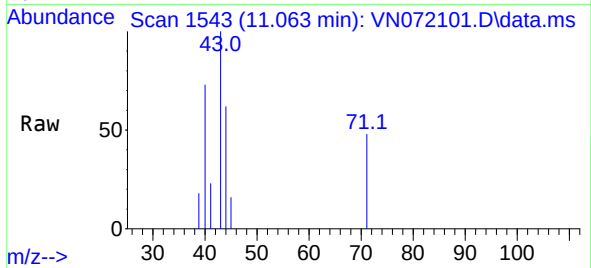




#59
2-Hexanone
Concen: 0.291 ug/l
RT: 11.063 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

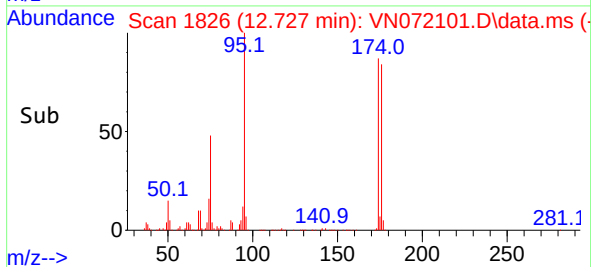
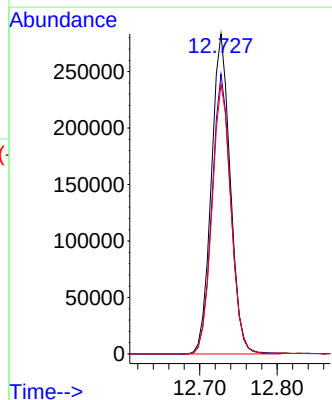
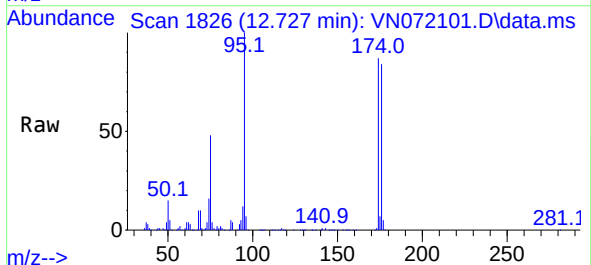
Instrument :
MSVOA_N
ClientSampleId :

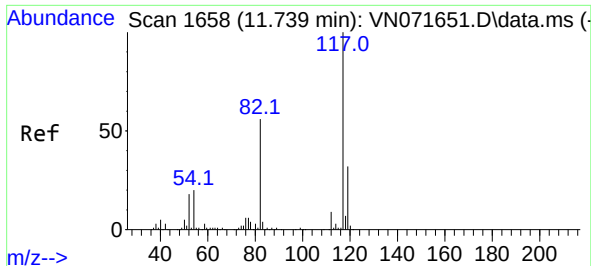
Tgt Ion: 43 Resp: 1817
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 59.969 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

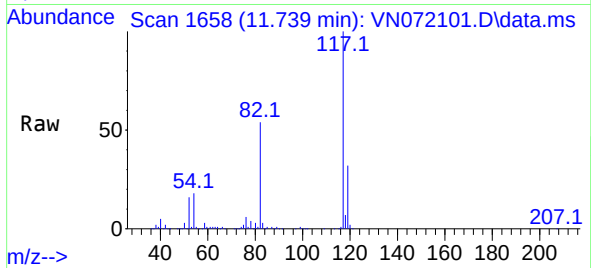
Tgt Ion: 95 Resp: 481119
Ion Ratio Lower Upper
95 100
174 87.3 0.0 167.6
176 84.3 0.0 163.4



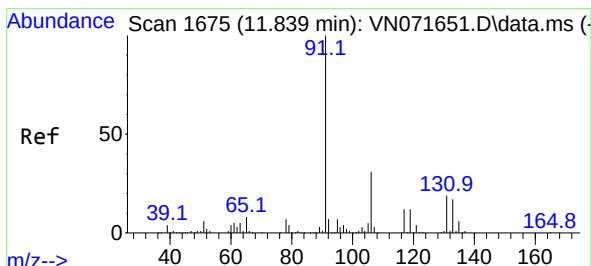
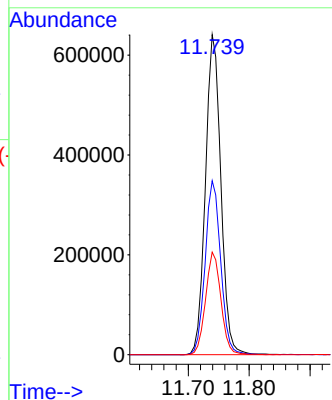
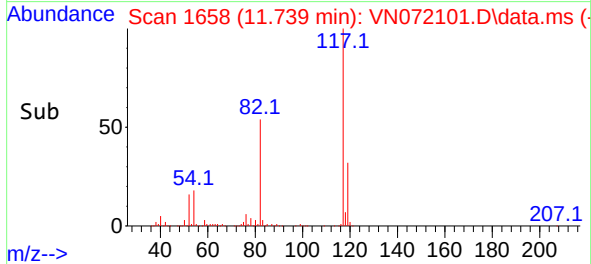


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

Instrument :
MSVOA_N
ClientSampleId :

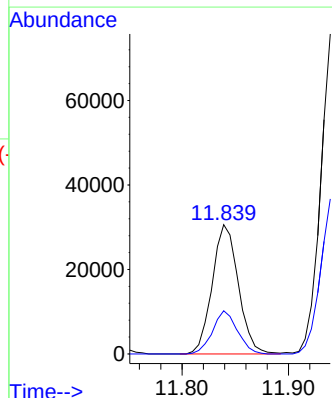
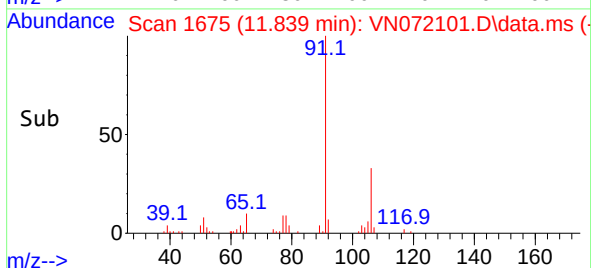
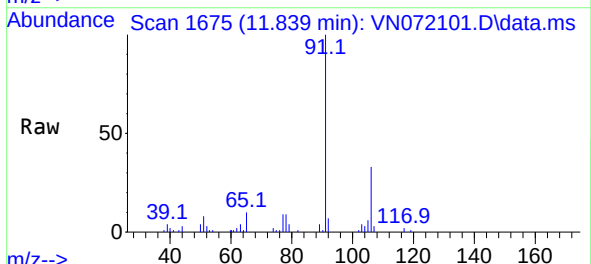


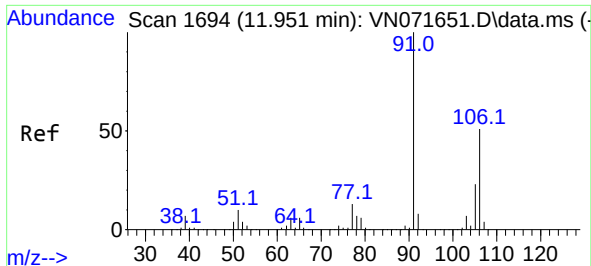
Tgt Ion:117 Resp: 1127842
Ion Ratio Lower Upper
117 100
82 54.4 44.2 66.2
119 32.1 25.4 38.0



#67
Ethyl Benzene
Concen: 1.366 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

Tgt Ion: 91 Resp: 52222
Ion Ratio Lower Upper
91 100
106 33.5 24.9 37.3

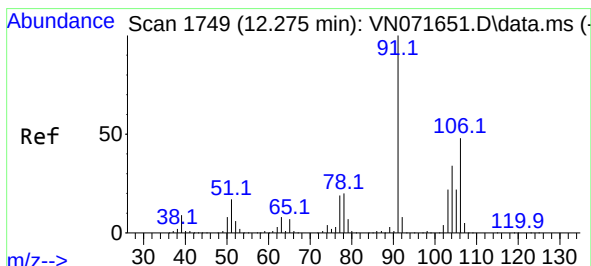
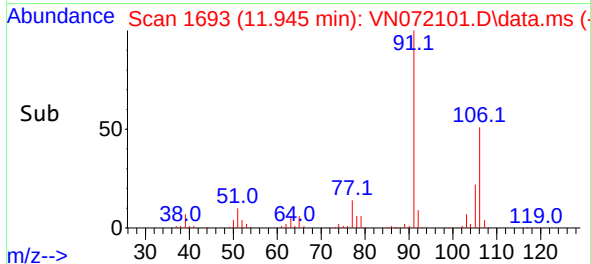
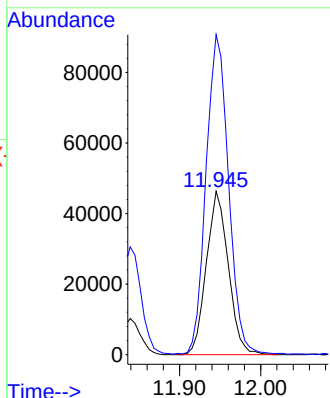
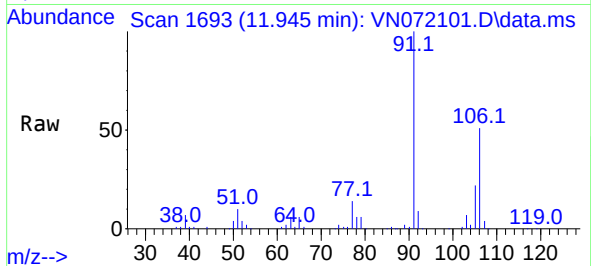




#68
m/p-Xylenes
Concen: 5.921 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

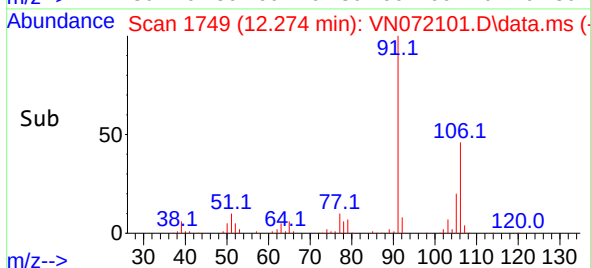
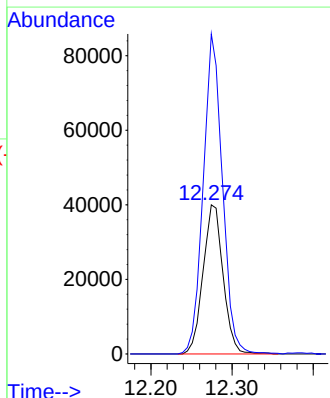
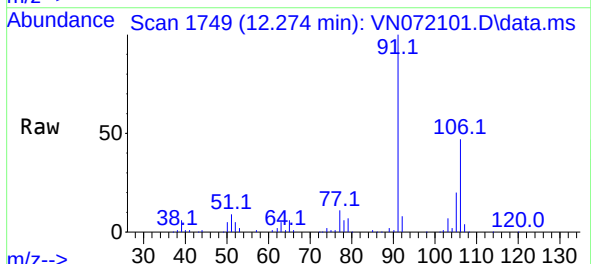
Instrument :
MSVOA_N
ClientSampleId :

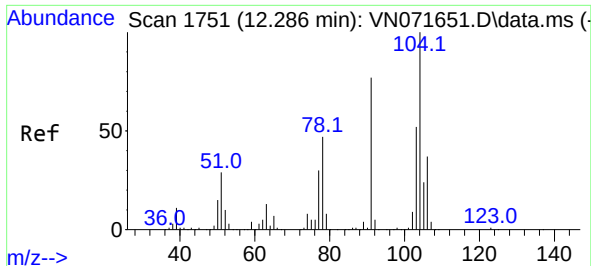
Tgt Ion:106 Resp: 86980
Ion Ratio Lower Upper
106 100
91 200.2 158.9 238.3



#69
o-Xylene
Concen: 4.703 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

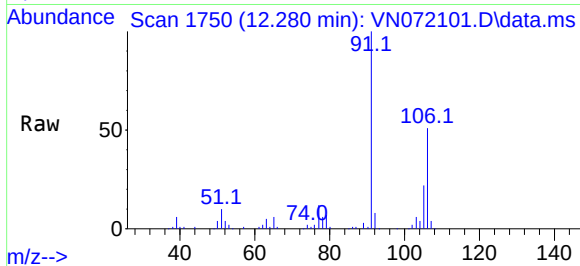
Tgt Ion:106 Resp: 68572
Ion Ratio Lower Upper
106 100
91 205.3 106.0 318.0



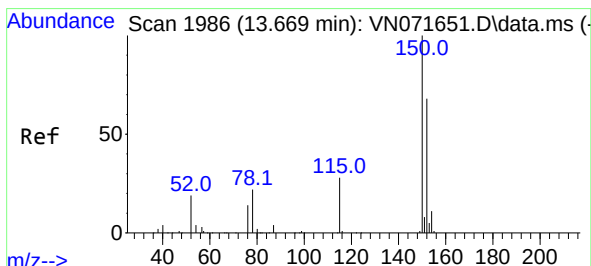
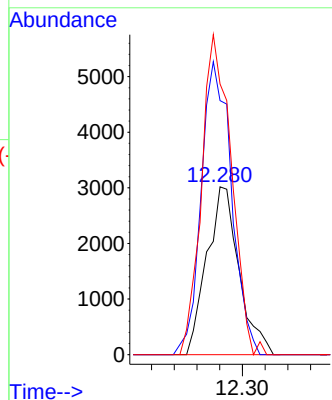
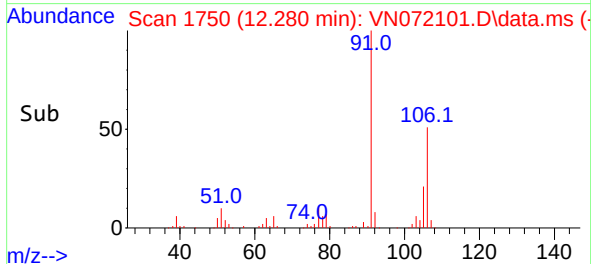


#70
Styrene
Concen: 0.268 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. -0.006 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

Instrument :
MSVOA_N
ClientSampleId :

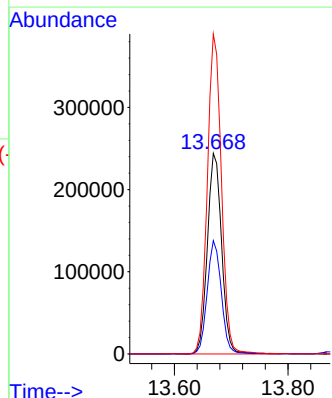
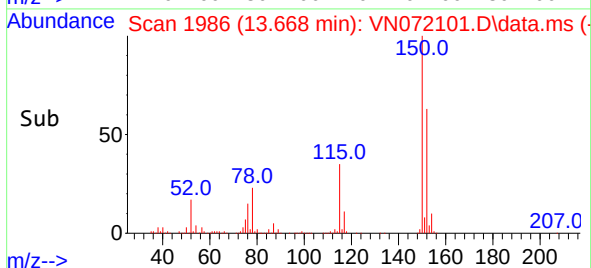
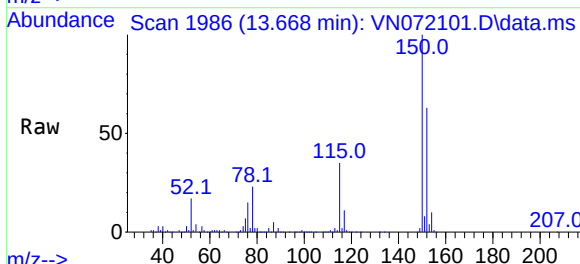


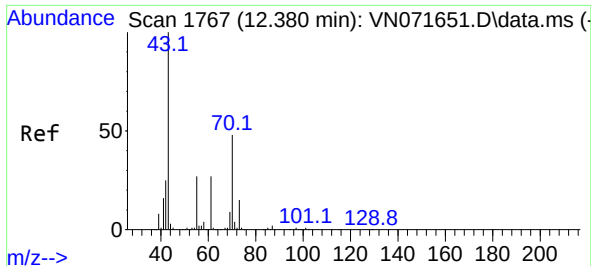
Tgt Ion:104 Resp: 5924
Ion Ratio Lower Upper
104 100
78 164.5 39.5 59.3#
103 176.8 44.0 66.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

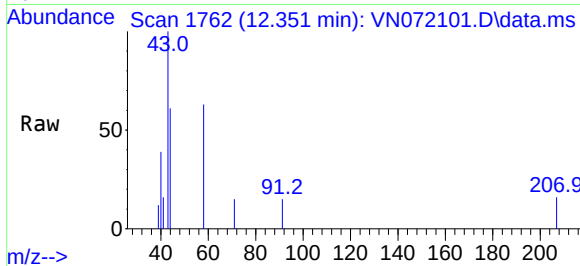
Tgt Ion:152 Resp: 424077
Ion Ratio Lower Upper
152 100
115 56.0 28.9 86.7
150 157.4 0.0 356.2



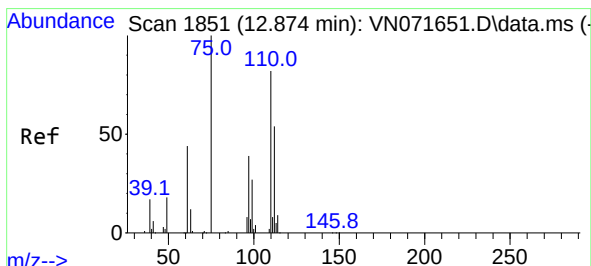
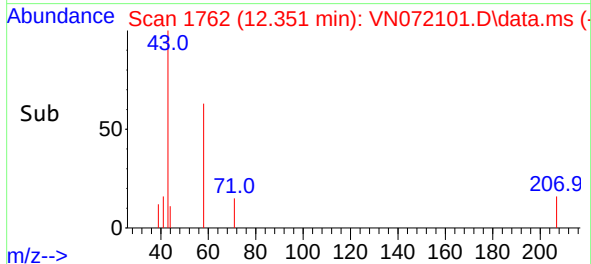
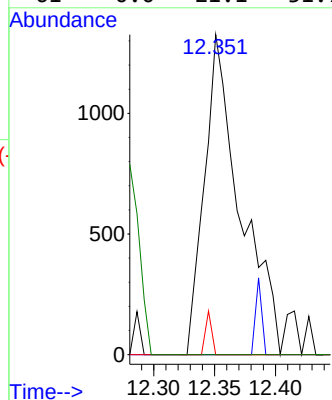


#74
N-amy1 acetate
Concen: 0.266 ug/l
RT: 12.351 min Scan# 1762
Delta R.T. -0.029 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

Instrument :
MSVOA_N
ClientSampleId :

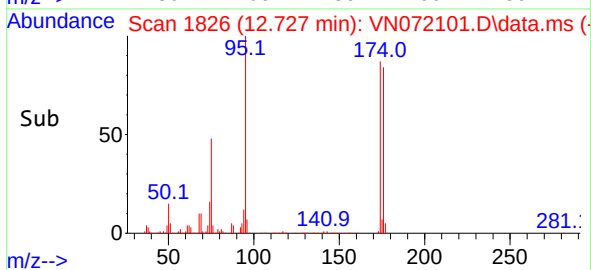
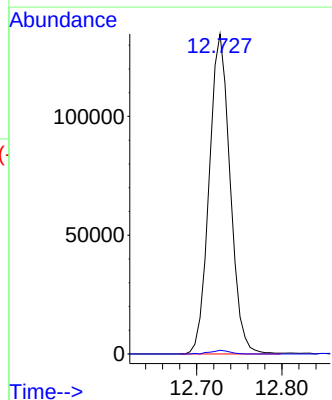
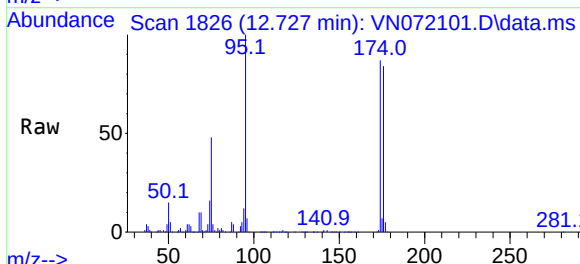


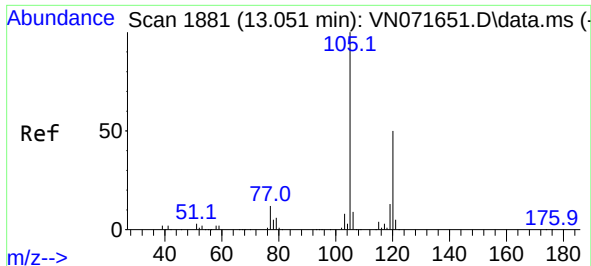
Tgt Ion: 43 Resp: 2726
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 2.3 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 23.425 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

Tgt Ion: 75 Resp: 230126
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#

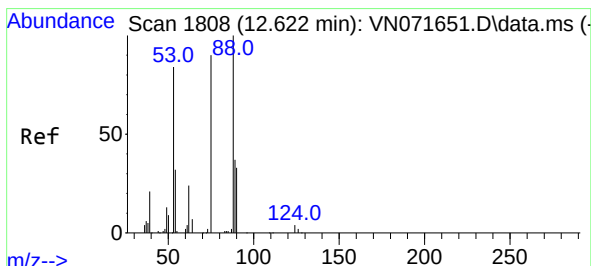
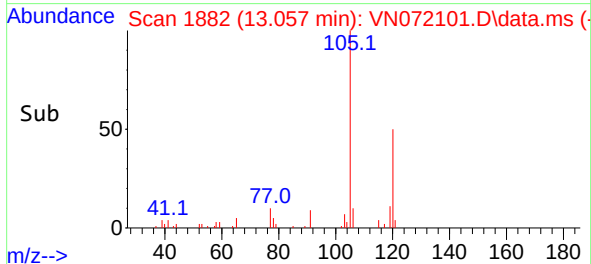
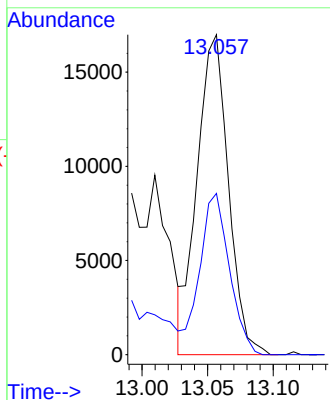
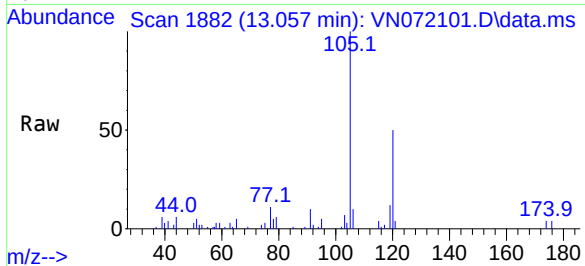




#80
1,3,5-Trimethylbenzene
Concen: 0.996 ug/l
RT: 13.057 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

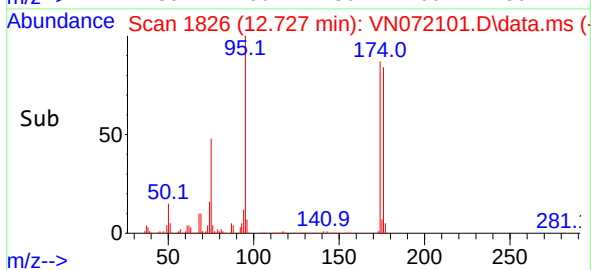
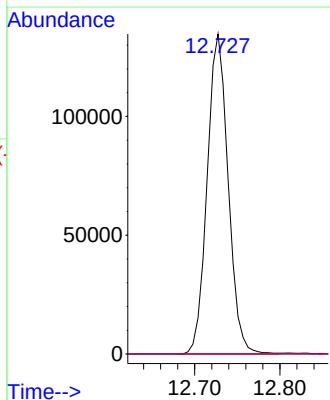
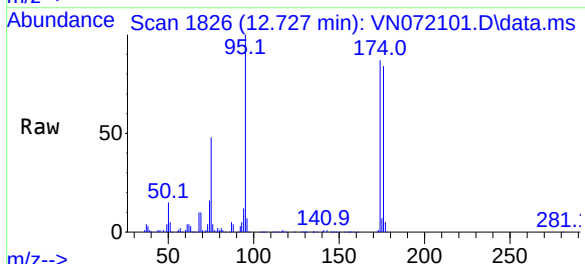
Instrument :
MSVOA_N
ClientSampleId :

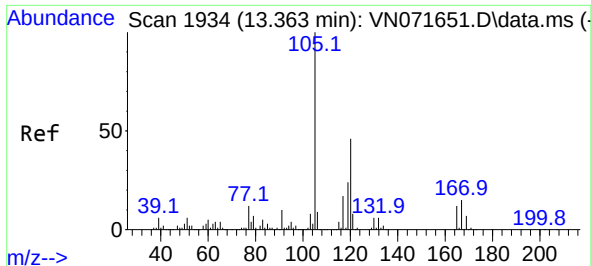
Tgt Ion:105 Resp: 28200
Ion Ratio Lower Upper
105 100
120 48.2 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 72.592 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

Tgt Ion: 75 Resp: 230126
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

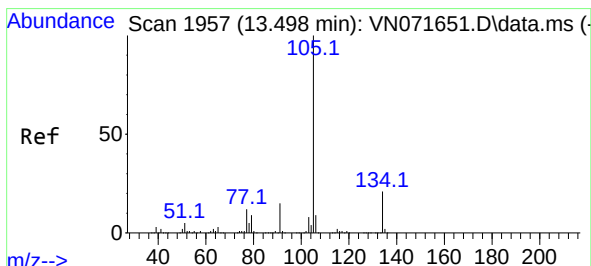
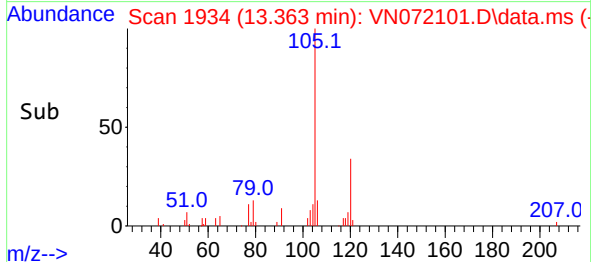
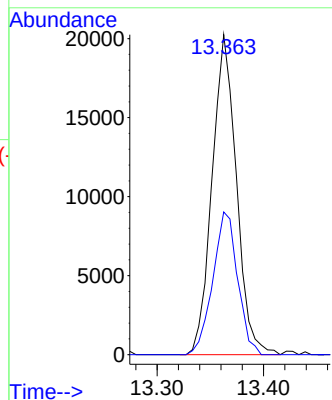
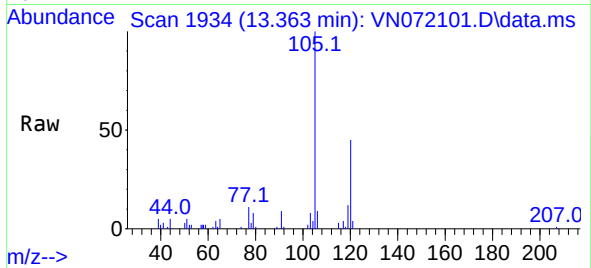




#84
1,2,4-Trimethylbenzene
Concen: 1.164 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

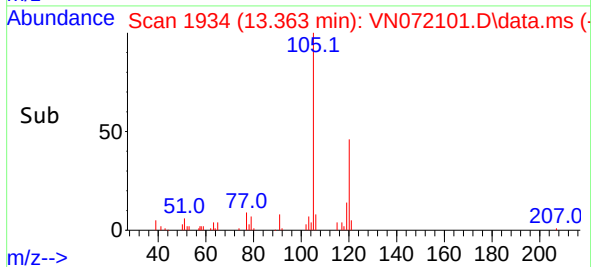
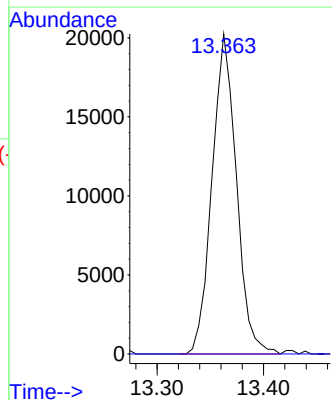
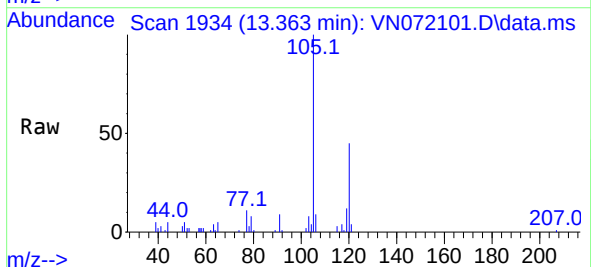
Instrument :
MSVOA_N
ClientSampleId :

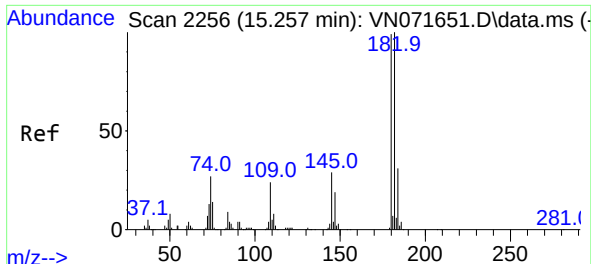
Tgt Ion:105 Resp: 32160
Ion Ratio Lower Upper
105 100
120 45.4 23.3 69.8



#85
sec-Butylbenzene
Concen: 0.959 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.135 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

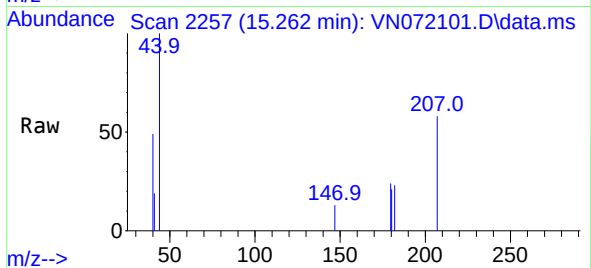
Tgt Ion:105 Resp: 32160
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#



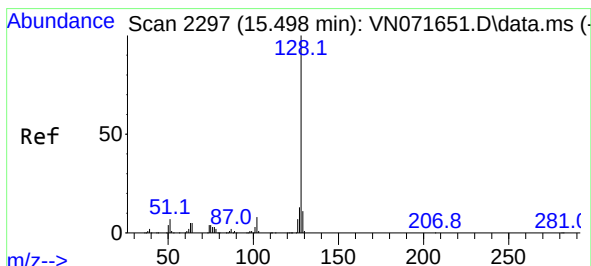
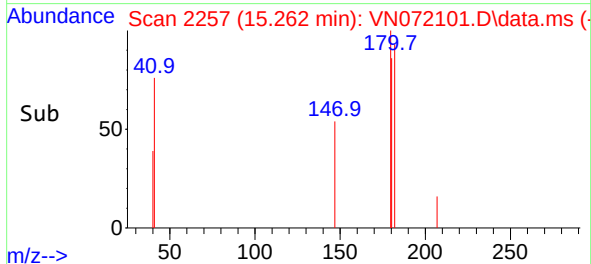
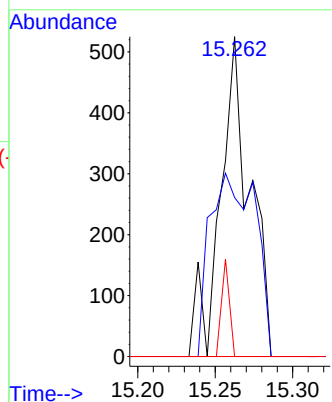


#93
1,2,4-Trichlorobenzene
Concen: 2.185 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.005 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

Instrument :
MSVOA_N
ClientSampleId :

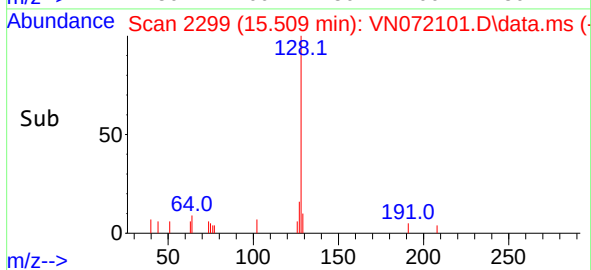
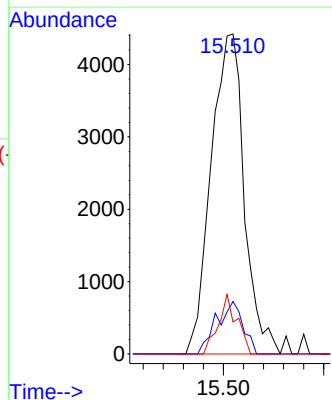
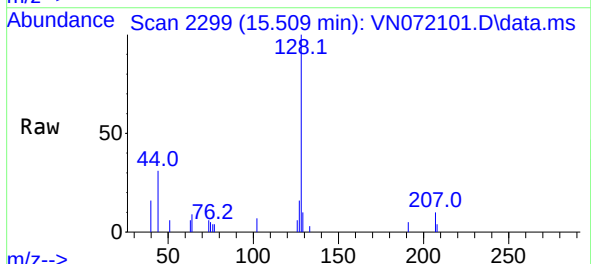


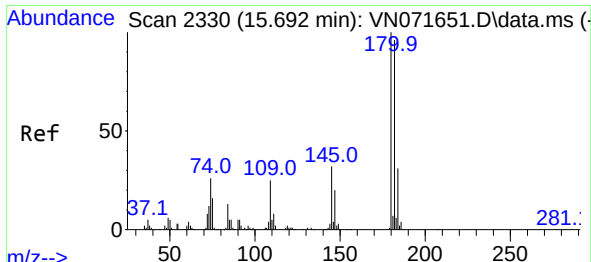
Tgt Ion:180 Resp: 699
Ion Ratio Lower Upper
180 100
182 88.0 47.5 142.5
145 8.0 14.5 43.5#



#95
Naphthalene
Concen: 4.288 ug/l
RT: 15.509 min Scan# 2299
Delta R.T. 0.011 min
Lab File: VN072101.D
Acq: 21 Apr 2022 01:29

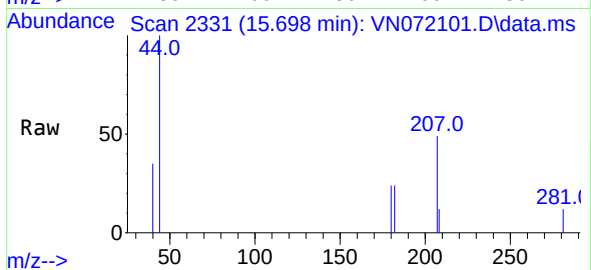
Tgt Ion:128 Resp: 10139
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.4 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.497 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN072101.D
 Acq: 21 Apr 2022 01:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	569
Ion	Ratio	Lower	Upper
180	100		
182	98.1	47.8	143.3
145	0.0	15.5	46.5#

