

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042022\
 Data File : VN072110.D
 Acq On : 21 Apr 2022 05:07
 Operator : JC\MD
 Sample : N2482-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 21 07:15:41 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)

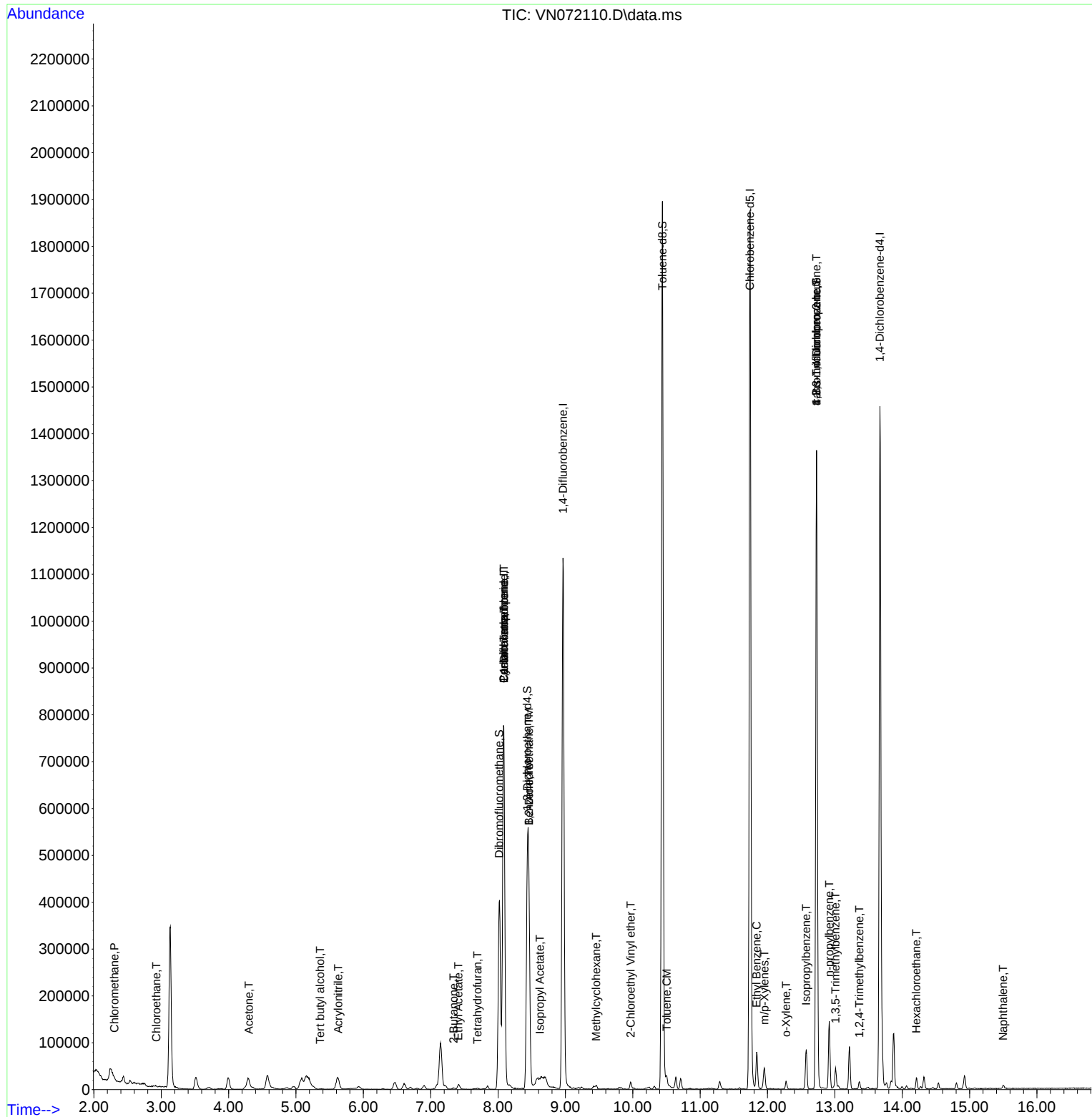
Internal Standards						
1) Pentafluorobenzene	8.087	168	639939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1087357	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1163488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	441715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	341019	46.679	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.360%		
35) Dibromofluoromethane	8.016	113	304500	47.589	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.180%		
50) Toluene-d8	10.439	98	1366674	52.214	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.420%		
62) 4-Bromofluorobenzene	12.727	95	487752	57.618	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	115.240%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	1592	0.247	ug/l #	88
6) Chloroethane	2.928	64	1620	0.318	ug/l #	42
11) Tert butyl alcohol	5.357	59	1050	0.886	ug/l #	72
15) Acrylonitrile	5.628	53	723	0.210	ug/l #	17
16) Acetone	4.299	43	42215	13.521	ug/l	93
18) Methyl Acetate	4.869	43	6836	Below Cal	#	74
25) 2-Butanone	7.340	43	2578	0.573	ug/l	95
29) Tetrahydrofuran	7.692	42	1095	0.376	ug/l	95
31) Cyclohexane	8.087	56	27681	2.786	ug/l #	54
36) 1,1-Dichloropropene	8.087	75	42083	4.710	ug/l #	48
37) Ethyl Acetate	7.410	43	16204	1.657	ug/l	98
38) Carbon Tetrachloride	8.087	117	56411	6.442	ug/l #	16
39) Methylcyclohexane	9.457	83	3614	0.340	ug/l #	84
40) Benzene	8.457	78	368997	13.073	ug/l	99
42) 1,2-Dichloroethane	8.457	62	2978	0.305	ug/l	93
43) Isopropyl Acetate	8.622	43	24400	1.500	ug/l #	53
52) Toluene	10.504	92	8771	0.492	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.969	63	64	16.985	ug/l #	44
67) Ethyl Benzene	11.839	91	58376	1.480	ug/l	99
68) m/p-Xylenes	11.957	106	16291	1.075	ug/l	96
69) o-Xylene	12.274	106	4689	0.312	ug/l	94
73) Isopropylbenzene	12.574	105	59384	1.595	ug/l	97
76) 1,2,3-Trichloropropane	12.727	75	234745	22.941	ug/l #	1
78) n-propylbenzene	12.916	91	119699	3.057	ug/l	98
80) 1,3,5-Trimethylbenzene	13.010	105	33683	1.142	ug/l	74
81) trans-1,4-Dichloro-2-b...	12.727	75	234745	71.093	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.363	105	10181	0.354	ug/l	95
90) Hexachloroethane	14.210	117	1527	0.299	ug/l #	9
95) Naphthalene	15.498	128	7922	4.167	ug/l	99

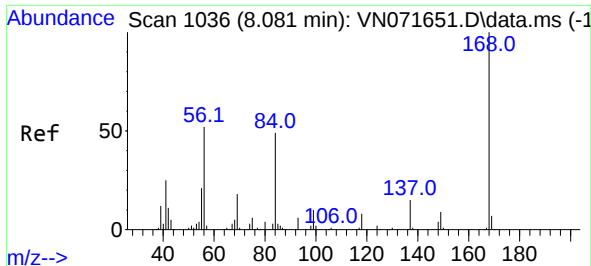
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 21 07:15:41 2022
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Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
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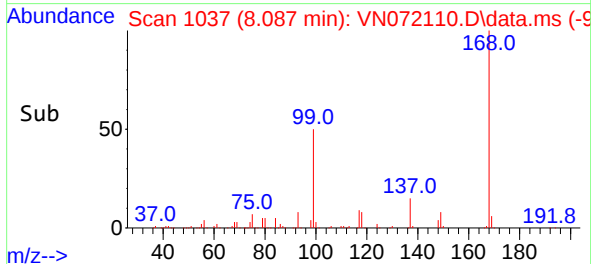
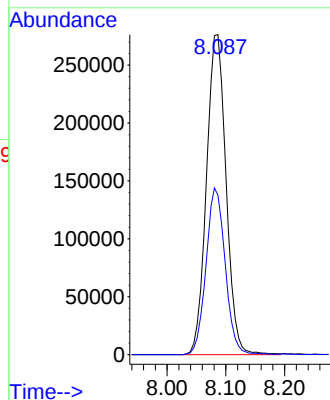
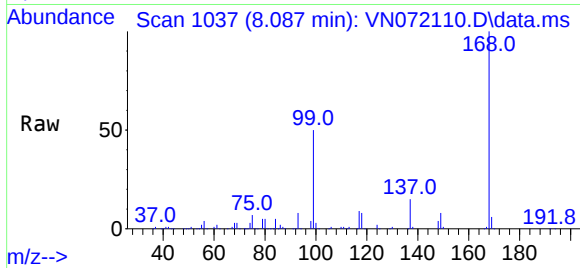




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

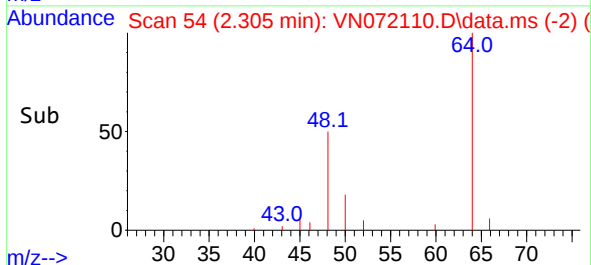
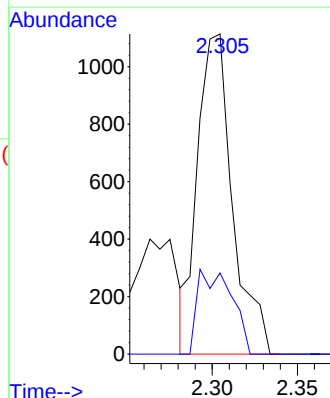
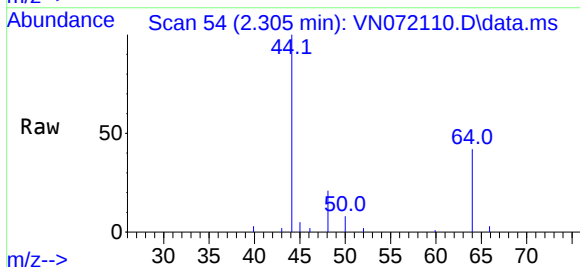
Instrument :
MSVOA_N
ClientSampleId :

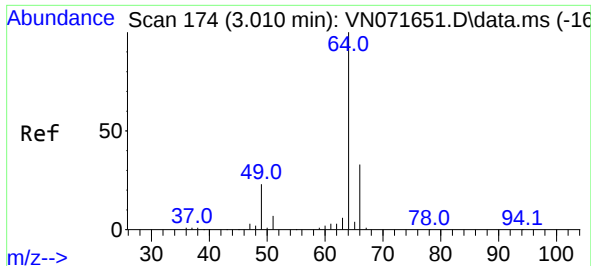
Tgt Ion:168 Resp: 639939
Ion Ratio Lower Upper
168 100
99 49.8 42.3 63.5



#3
Chloromethane
Concen: 0.247 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

Tgt Ion: 50 Resp: 1592
Ion Ratio Lower Upper
50 100
52 25.3 25.7 38.5#

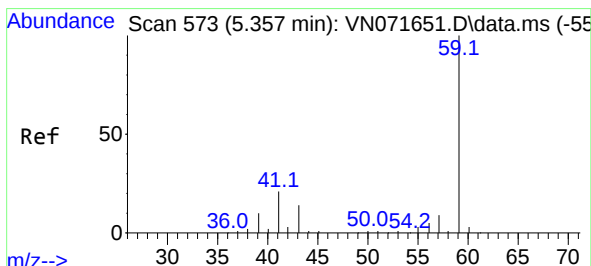
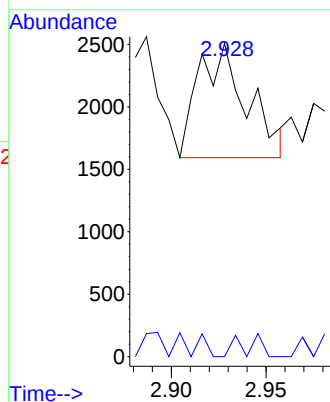




#6
Chloroethane
Concen: 0.318 ug/l
RT: 2.928 min Scan# 1
Delta R.T. -0.082 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

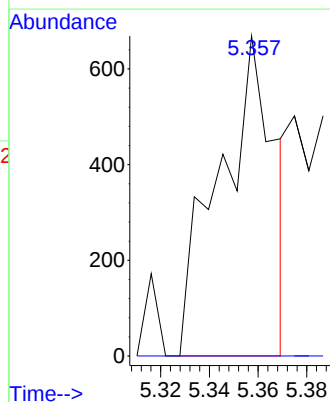
Instrument :
MSVOA_N
ClientSampleId :

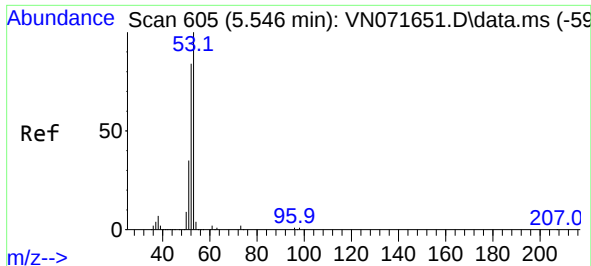
Tgt Ion: 64 Resp: 1620
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.886 ug/l
RT: 5.357 min Scan# 573
Delta R.T. 0.000 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

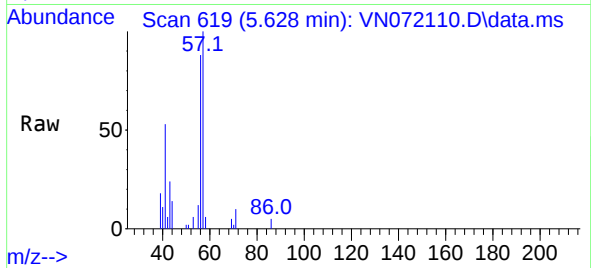
Tgt Ion: 59 Resp: 1050
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



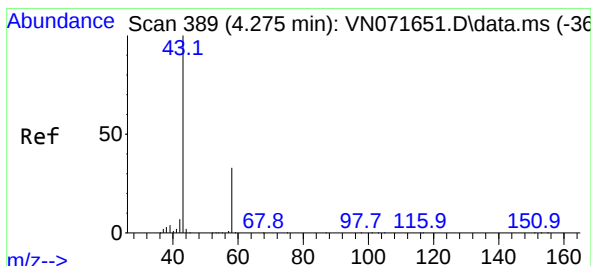
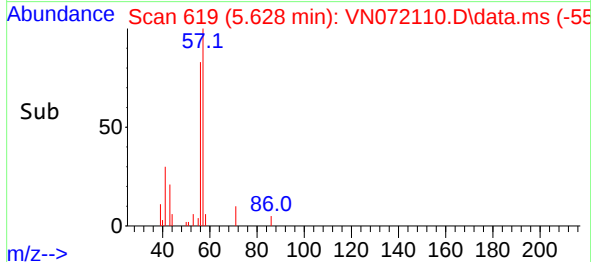
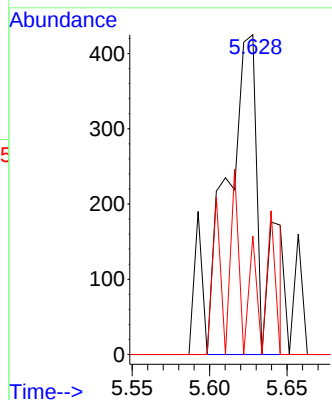


#15
Acrylonitrile
Concen: 0.210 ug/l
RT: 5.628 min Scan# 61
Delta R.T. 0.082 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

Instrument :
MSVOA_N
ClientSampleId :

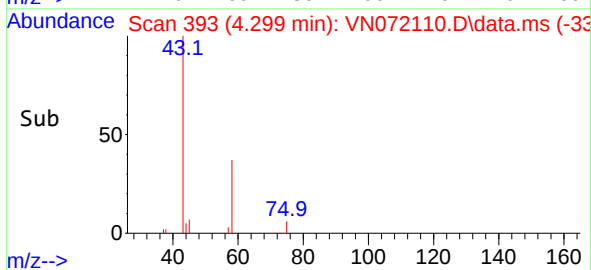
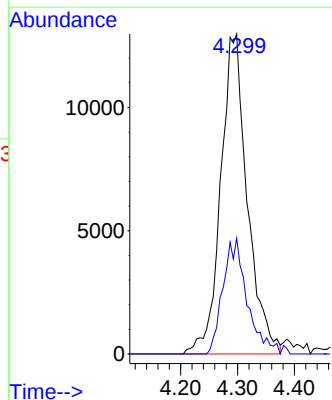
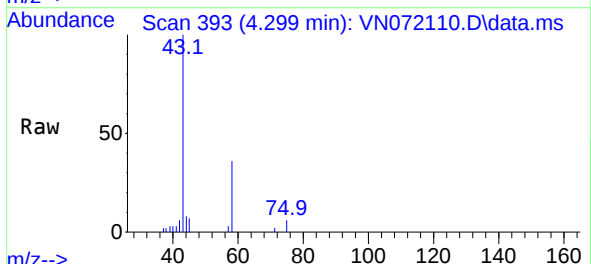


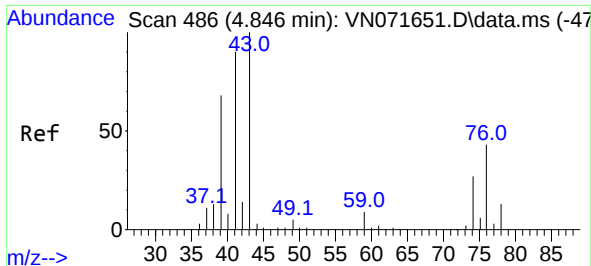
Tgt Ion: 53 Resp: 723
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 0.0 28.5 42.7#



#16
Acetone
Concen: 13.521 ug/l
RT: 4.299 min Scan# 393
Delta R.T. 0.024 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

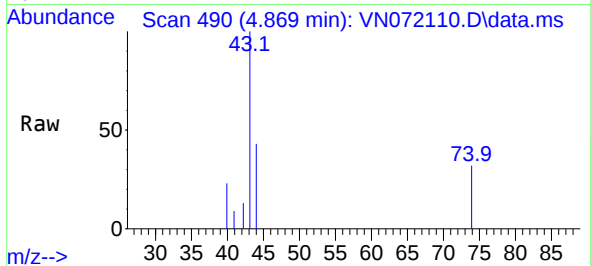
Tgt Ion: 43 Resp: 42215
Ion Ratio Lower Upper
43 100
58 36.2 26.0 39.0



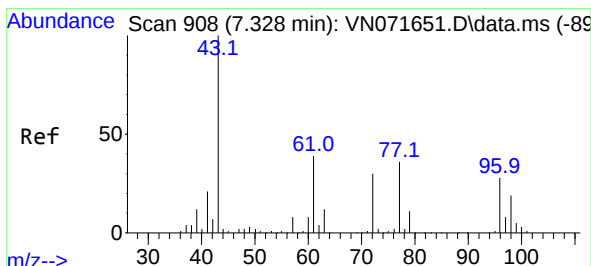
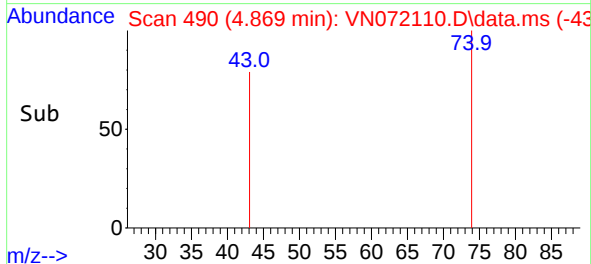
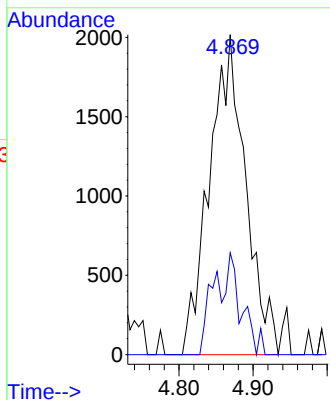


#18
Methyl Acetate
Concen: Below Cal
RT: 4.869 min Scan# 491
Delta R.T. 0.023 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

Instrument :
MSVOA_N
ClientSampleId :

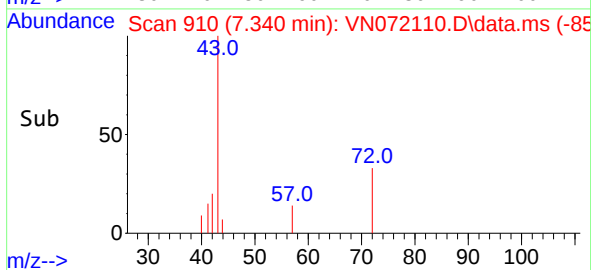
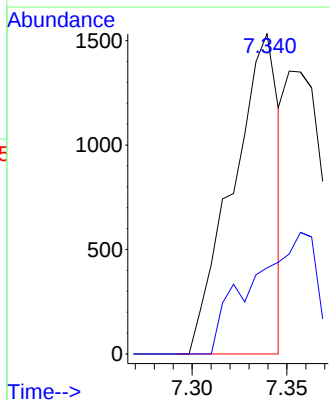
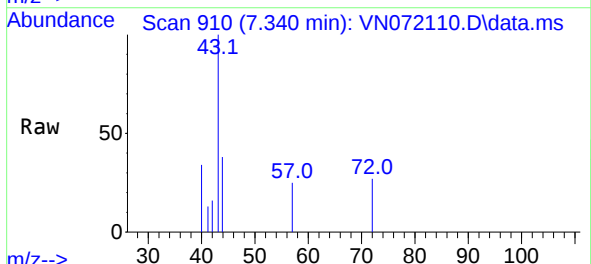


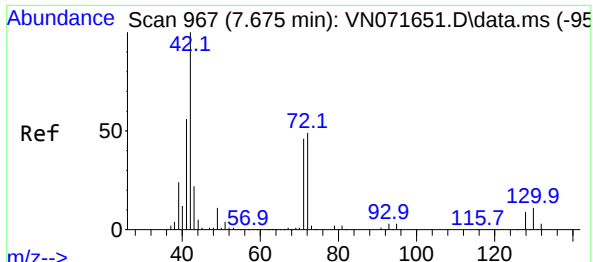
Tgt Ion: 43 Resp: 6836
Ion Ratio Lower Upper
43 100
74 13.7 21.6 32.4#



#25
2-Butanone
Concen: 0.573 ug/l
RT: 7.340 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

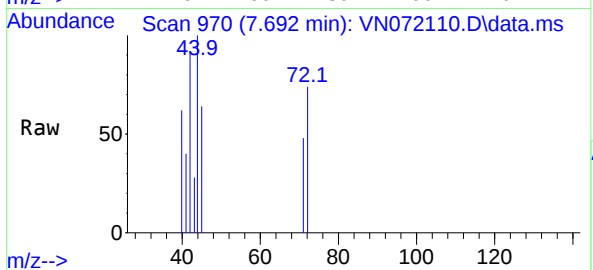
Tgt Ion: 43 Resp: 2578
Ion Ratio Lower Upper
43 100
72 26.9 23.7 35.5





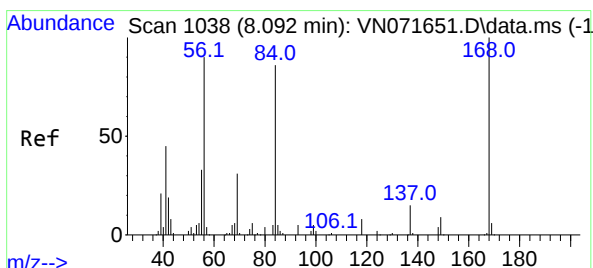
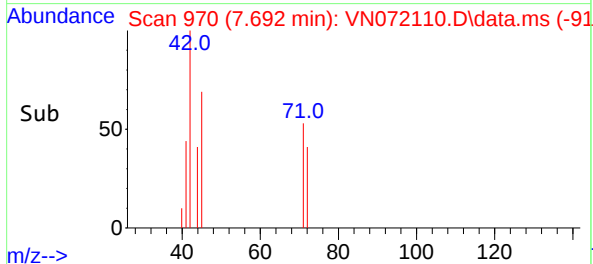
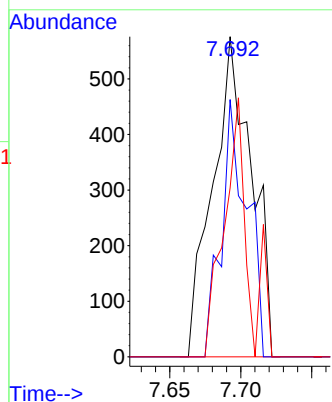
#29
Tetrahydrofuran
Concen: 0.376 ug/l
RT: 7.692 min Scan# 91
Delta R.T. 0.017 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 42 Resp: 1095

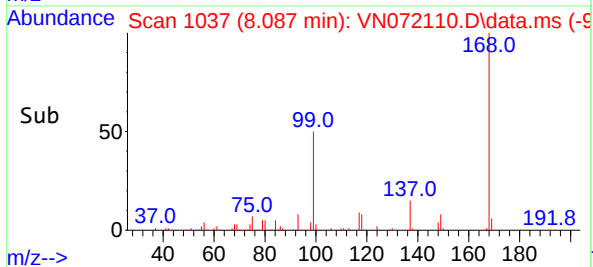
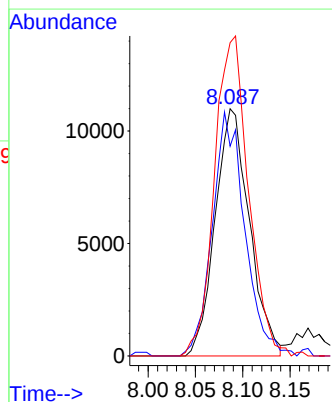
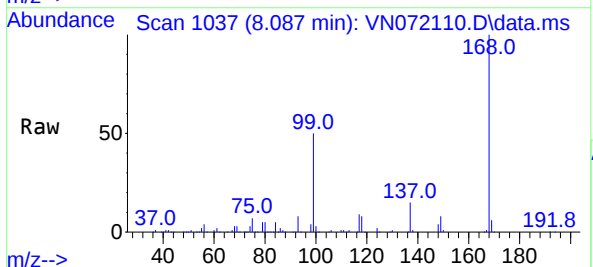
Ion	Ratio	Lower	Upper
42	100		
72	53.0	39.7	59.5
71	41.8	36.6	55.0

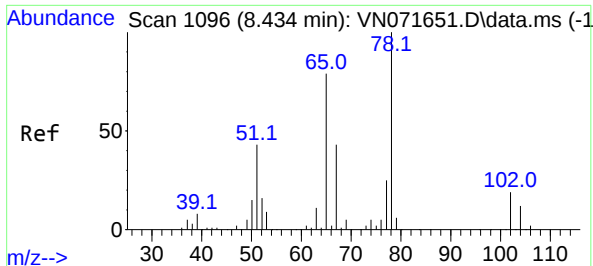


#31
Cyclohexane
Concen: 2.786 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.005 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

Tgt Ion: 56 Resp: 27681

Ion	Ratio	Lower	Upper
56	100		
69	84.9	27.8	41.8#
84	126.7	76.9	115.3#

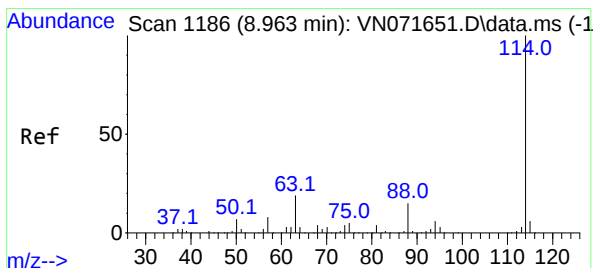
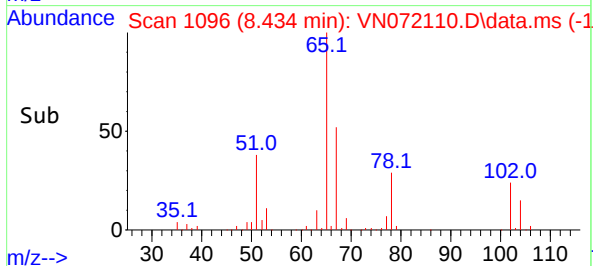
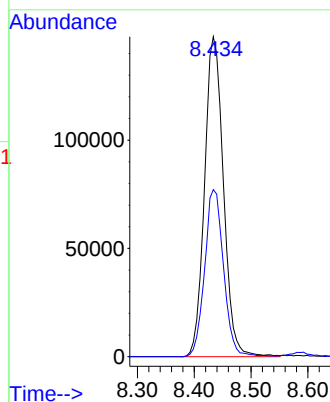
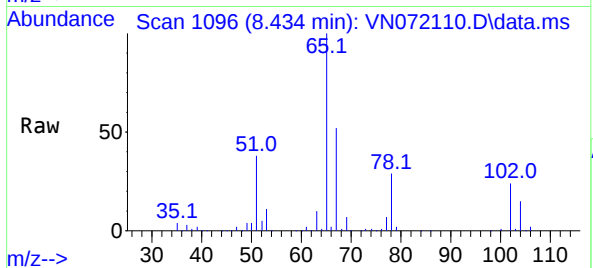




#33
1,2-Dichloroethane-d4
Concen: 46.679 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

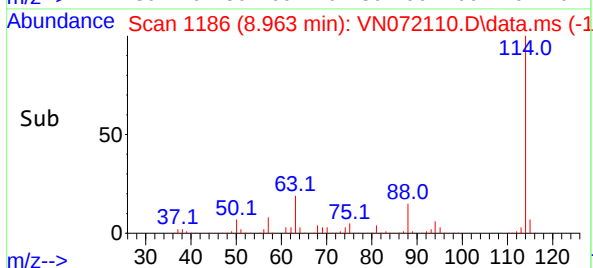
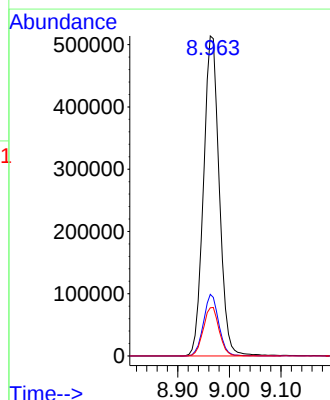
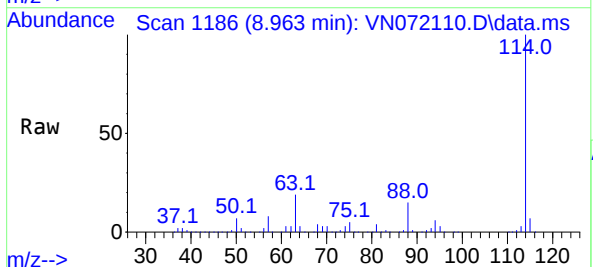
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MSVOA_N
ClientSampleId :

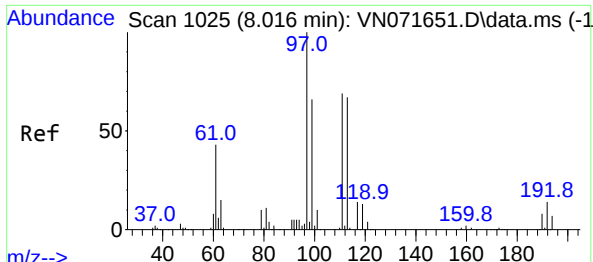
Tgt Ion: 65 Resp: 341019
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

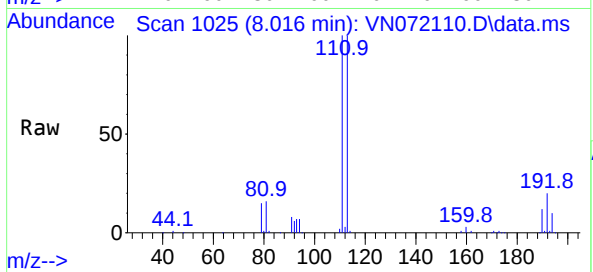
Tgt Ion:114 Resp: 1087357
Ion Ratio Lower Upper
114 100
63 19.2 0.0 40.0
88 15.1 0.0 32.6



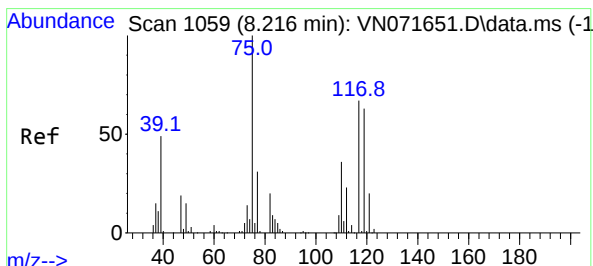
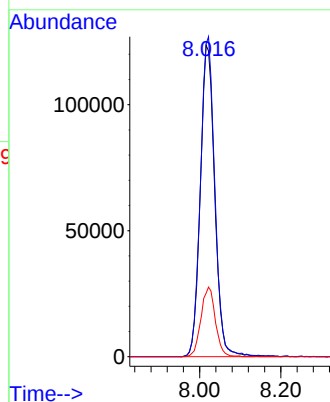
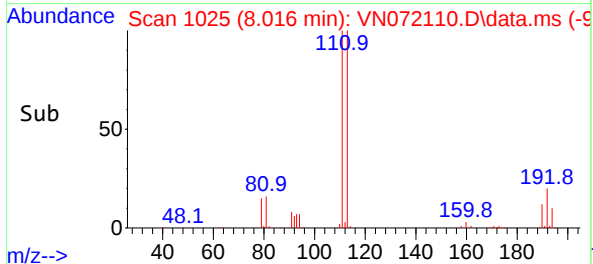


#35
Dibromofluoromethane
Concen: 47.589 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

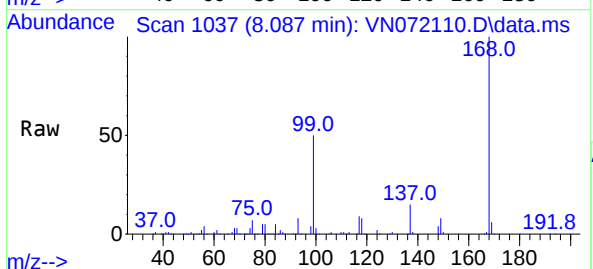
Instrument :
MSVOA_N
ClientSampleId :



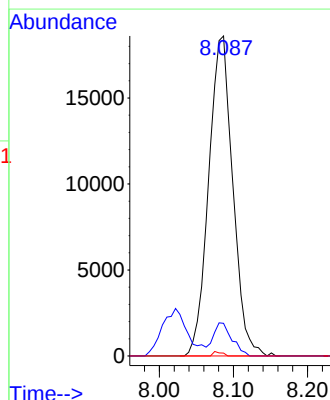
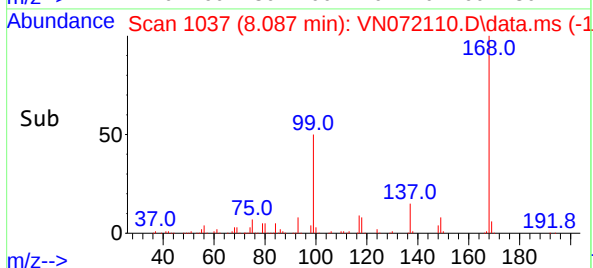
Tgt Ion:113 Resp: 304500
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 22.3 17.0 25.6

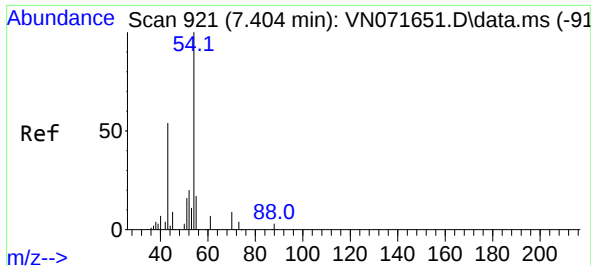


#36
1,1-Dichloropropene
Concen: 4.710 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.129 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07



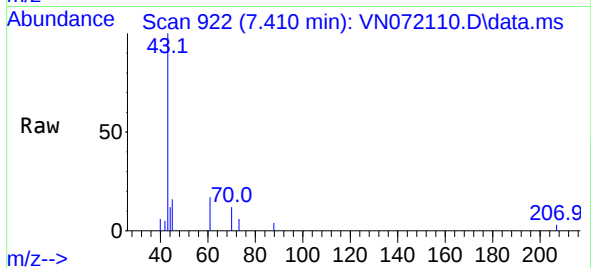
Tgt Ion: 75 Resp: 42083
Ion Ratio Lower Upper
75 100
110 8.0 18.3 54.8#
77 0.0 25.1 37.7#



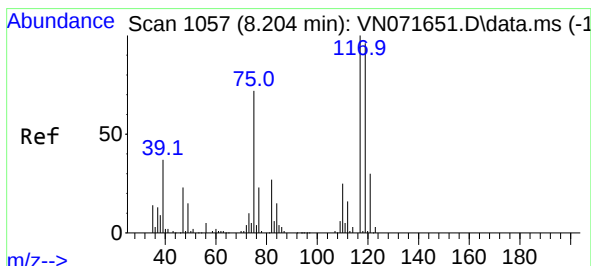
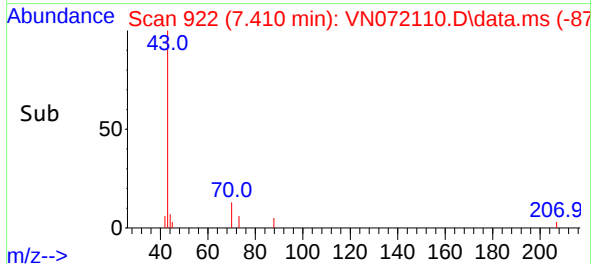
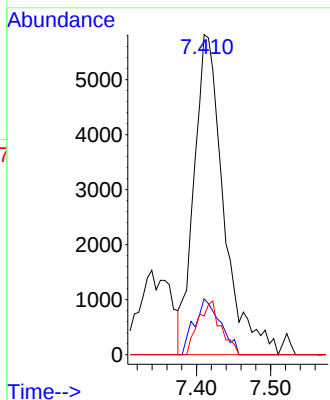


#37
Ethyl Acetate
Concen: 1.657 ug/l
RT: 7.410 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

Instrument :
MSVOA_N
ClientSampleId :

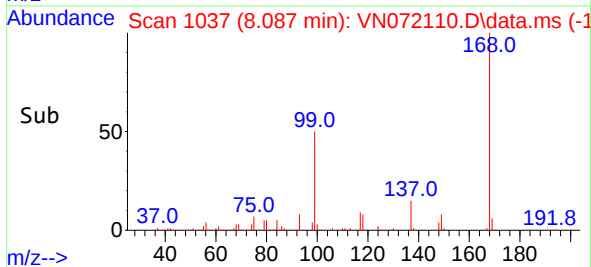
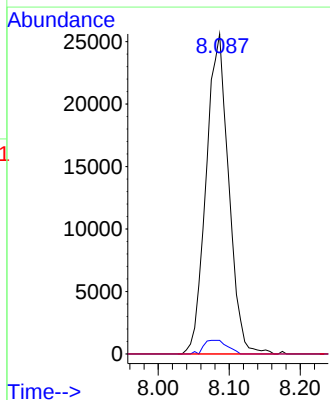
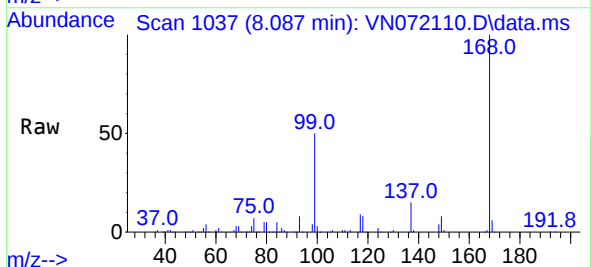


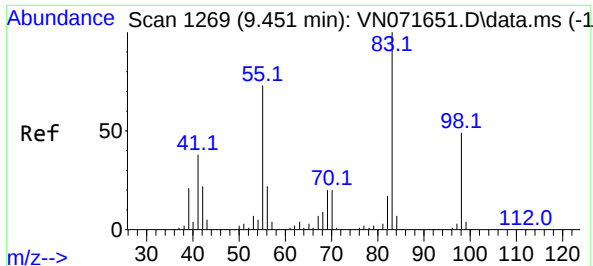
Tgt Ion: 43 Resp: 16204
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.6
70 12.8 9.3 13.9



#38
Carbon Tetrachloride
Concen: 6.442 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.117 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

Tgt Ion: 117 Resp: 56411
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.8#
121 0.0 24.6 37.0#





#39

Methylcyclohexane

Concen: 0.340 ug/l

RT: 9.457 min Scan# 1100

Delta R.T. 0.006 min

Lab File: VN072110.D

Acq: 21 Apr 2022 05:07

Instrument :

MSVOA_N

ClientSampleId :

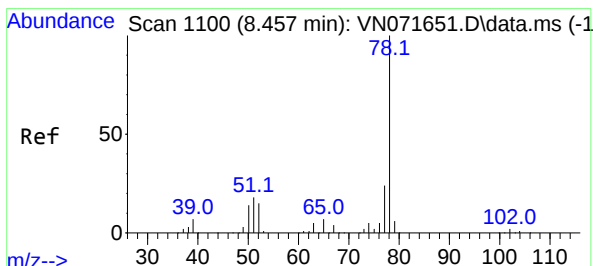
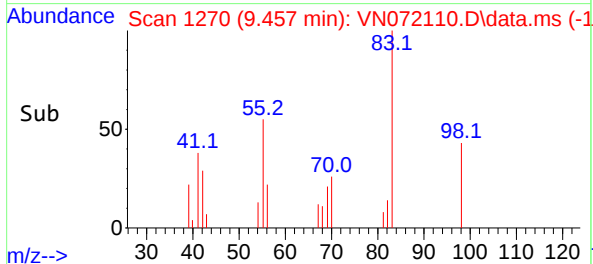
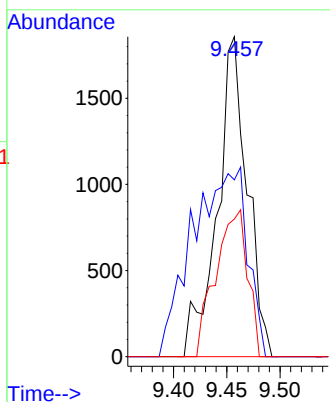
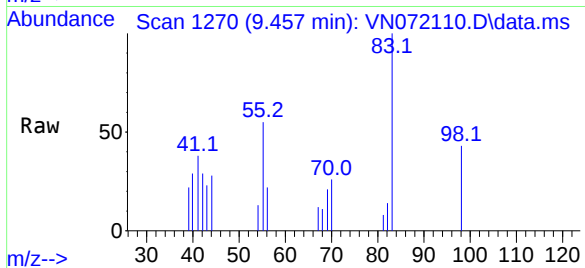
Tgt Ion: 83 Resp: 3614

Ion Ratio Lower Upper

83 100

55 55.2 57.8 86.8#

98 43.0 39.4 59.2



#40

Benzene

Concen: 13.073 ug/l

RT: 8.457 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VN072110.D

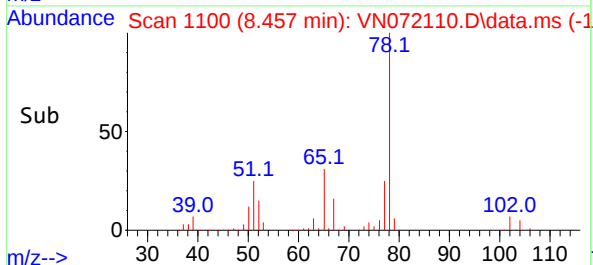
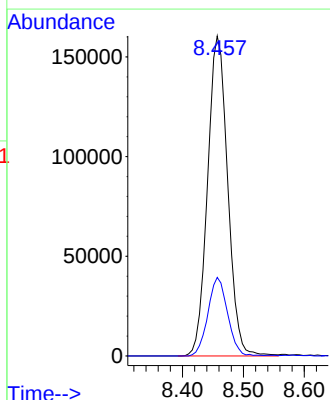
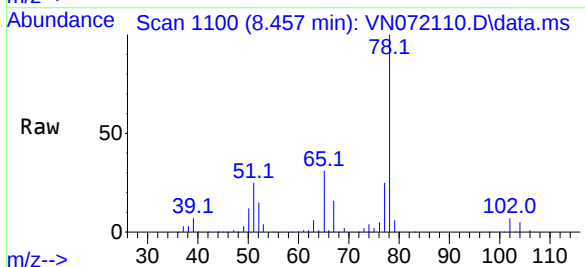
Acq: 21 Apr 2022 05:07

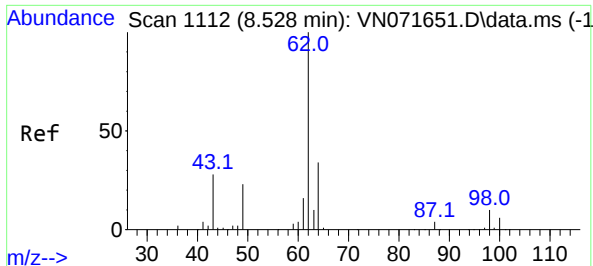
Tgt Ion: 78 Resp: 368997

Ion Ratio Lower Upper

78 100

77 24.6 19.4 29.0

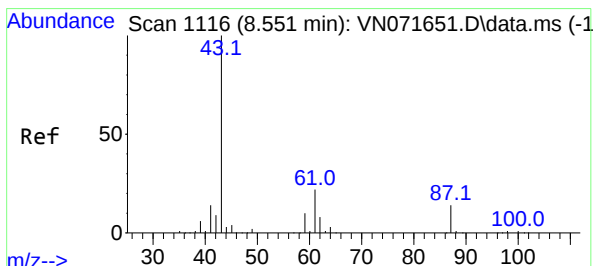
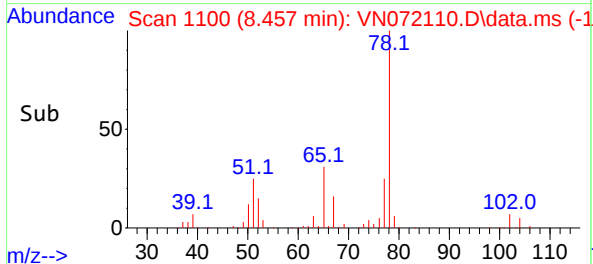
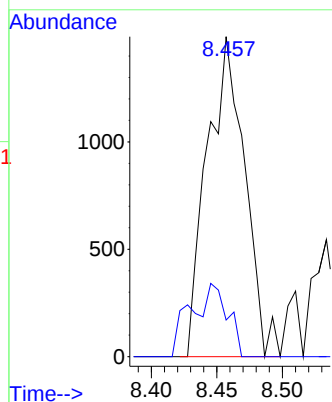
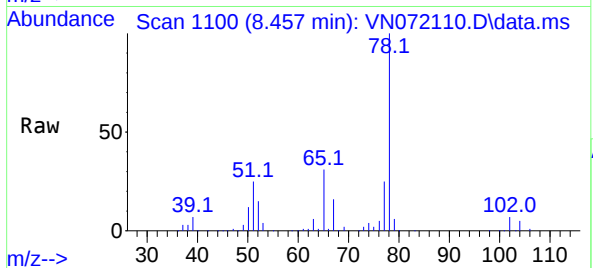




#42
1,2-Dichloroethane
Concen: 0.305 ug/l
RT: 8.457 min Scan# 1112
Delta R.T. -0.071 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

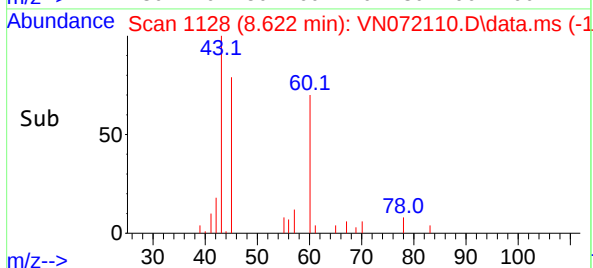
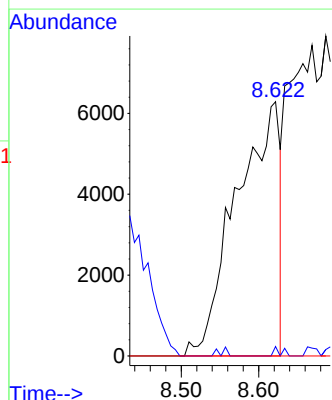
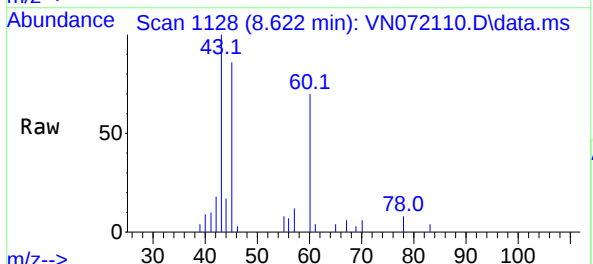
Instrument :
MSVOA_N
ClientSampleId :

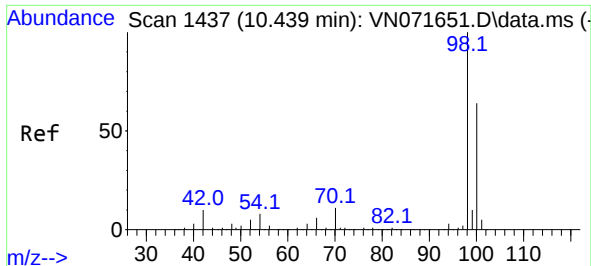
Tgt Ion: 62 Resp: 2978
Ion Ratio Lower Upper
62 100
98 12.2 0.0 19.4



#43
Isopropyl Acetate
Concen: 1.500 ug/l
RT: 8.622 min Scan# 1128
Delta R.T. 0.071 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

Tgt Ion: 43 Resp: 24400
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

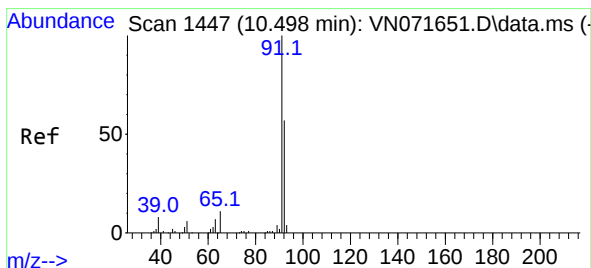
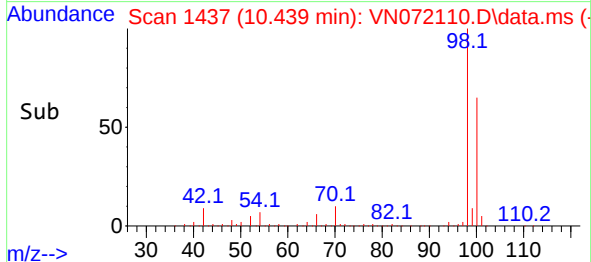
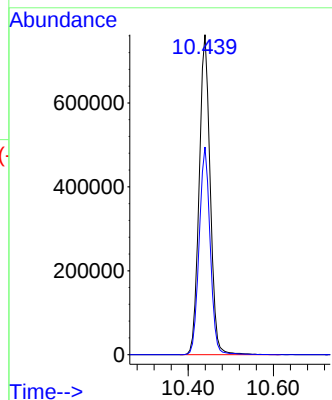
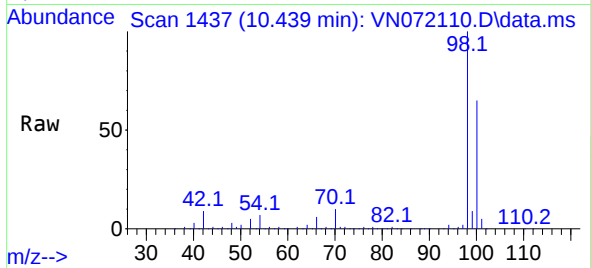




#50
Toluene-d8
Concen: 52.214 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

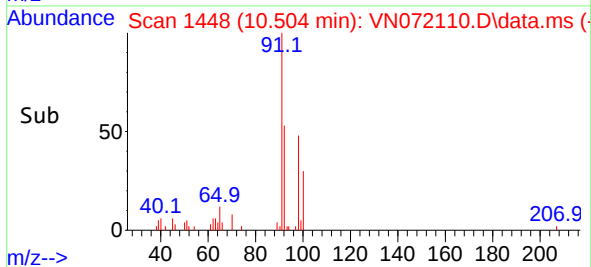
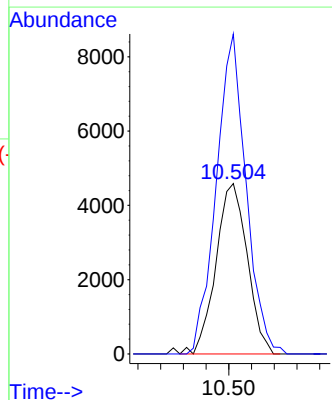
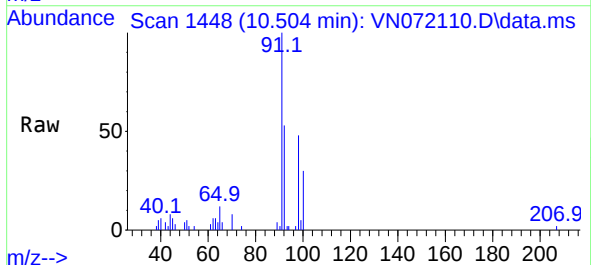
Instrument :
MSVOA_N
ClientSampleId :

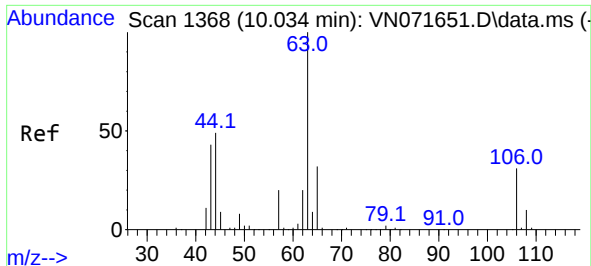
Tgt Ion: 98 Resp: 1366674
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#52
Toluene
Concen: 0.492 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

Tgt Ion: 92 Resp: 8771
Ion Ratio Lower Upper
92 100
91 178.9 138.6 207.8

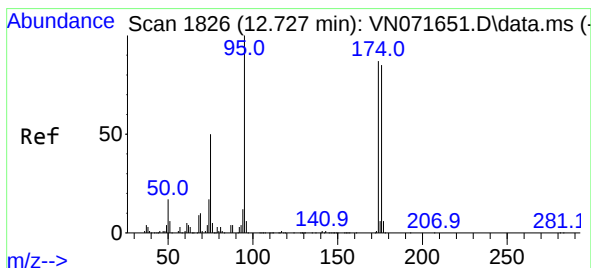
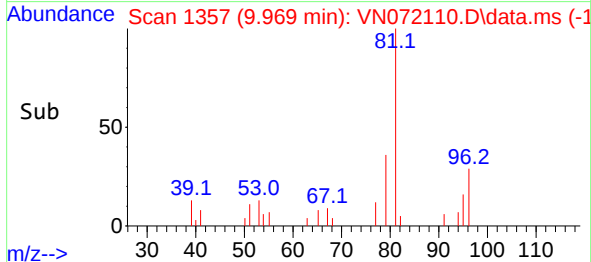
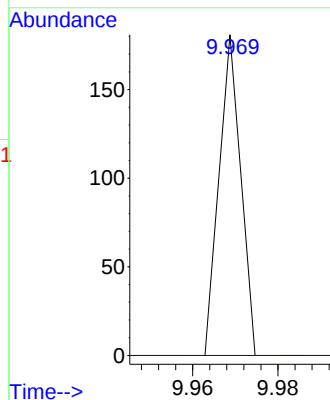
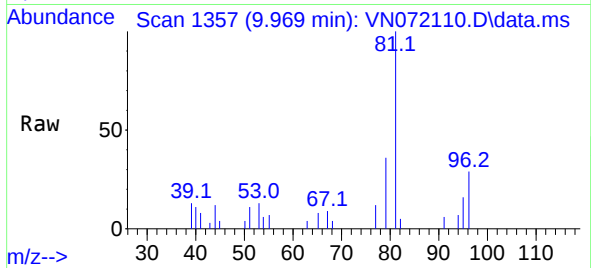




#58
2-Chloroethyl Vinyl ether
Concen: 16.985 ug/l
RT: 9.969 min Scan# 1357
Delta R.T. -0.065 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

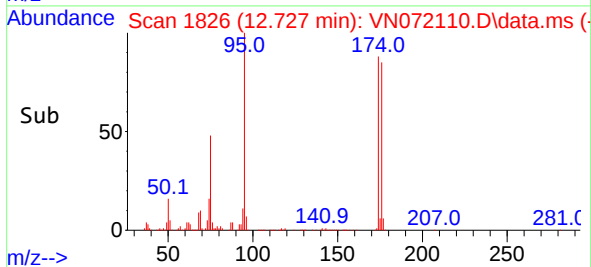
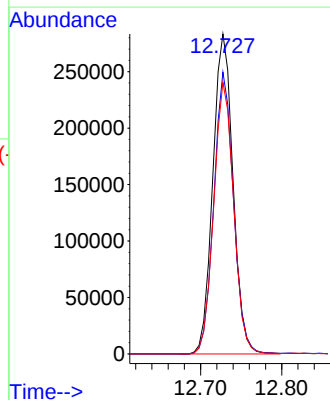
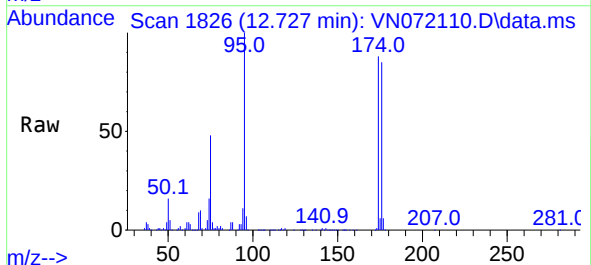
Instrument :
MSVOA_N
ClientSampleId :

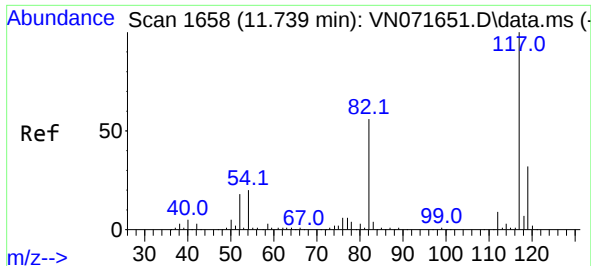
Tgt Ion: 63 Resp: 64
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#



#62
4-Bromofluorobenzene
Concen: 57.618 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

Tgt Ion: 95 Resp: 487752
Ion Ratio Lower Upper
95 100
174 86.2 0.0 167.6
176 84.1 0.0 163.4

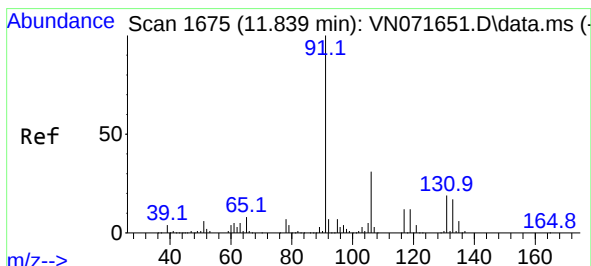
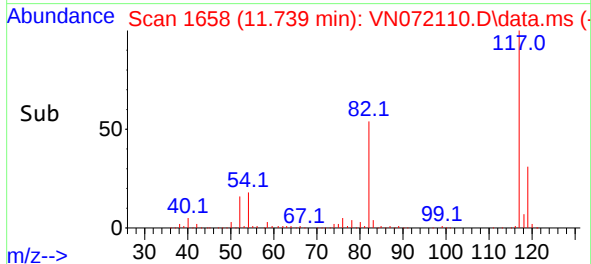
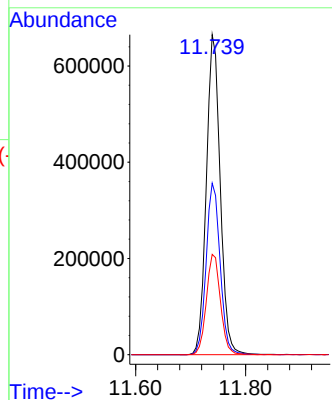
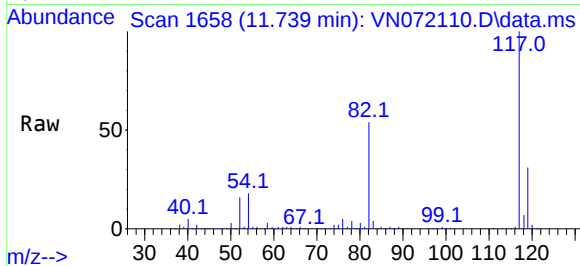




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

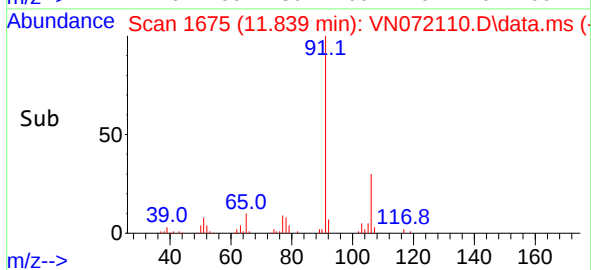
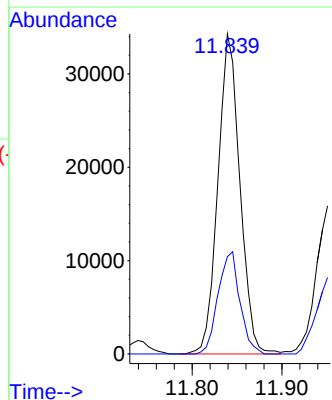
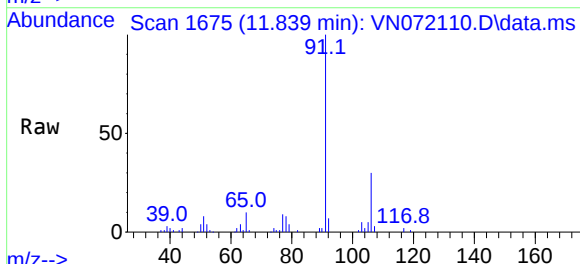
Instrument :
MSVOA_N
ClientSampleId :

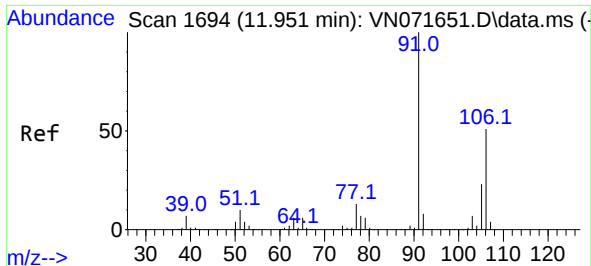
Tgt Ion:117 Resp: 1163488
Ion Ratio Lower Upper
117 100
82 53.6 44.2 66.2
119 31.3 25.4 38.0



#67
Ethyl Benzene
Concen: 1.480 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

Tgt Ion: 91 Resp: 58376
Ion Ratio Lower Upper
91 100
106 30.4 24.9 37.3

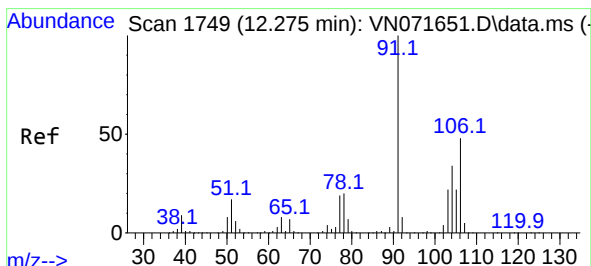
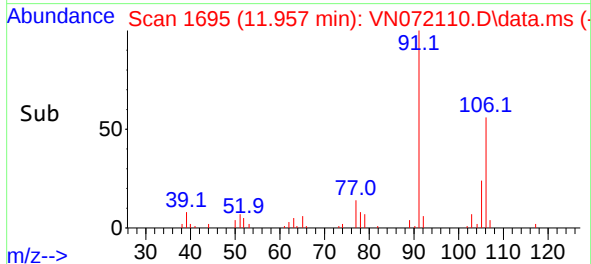
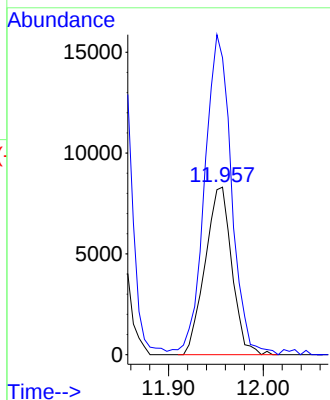
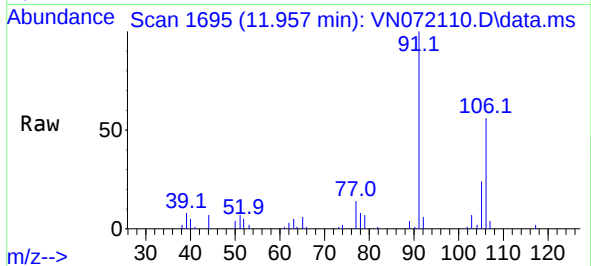




#68
m/p-Xylenes
Concen: 1.075 ug/l
RT: 11.957 min Scan# 1695
Delta R.T. 0.006 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

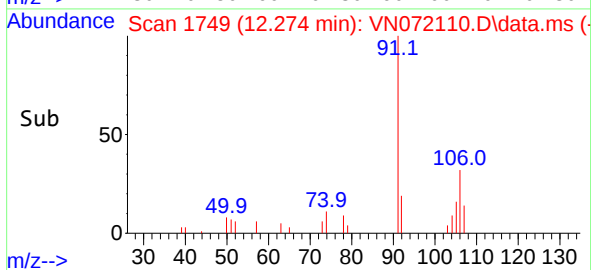
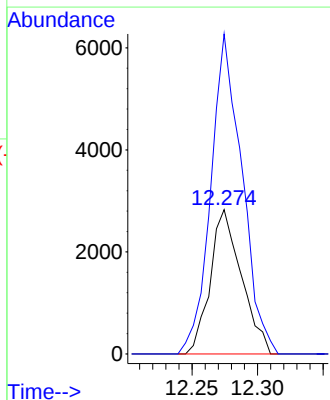
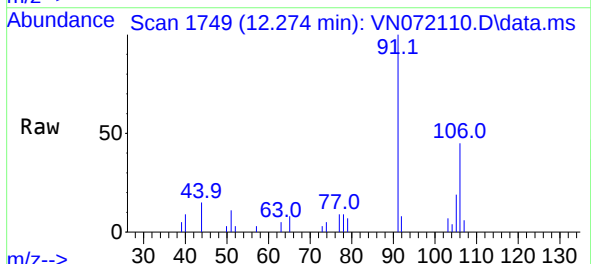
Instrument :
MSVOA_N
ClientSampleId :

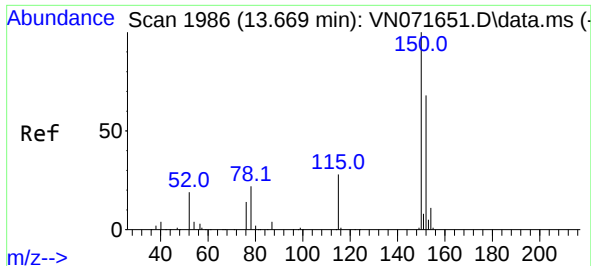
Tgt Ion:106 Resp: 16291
Ion Ratio Lower Upper
106 100
91 192.0 158.9 238.3



#69
o-Xylene
Concen: 0.312 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

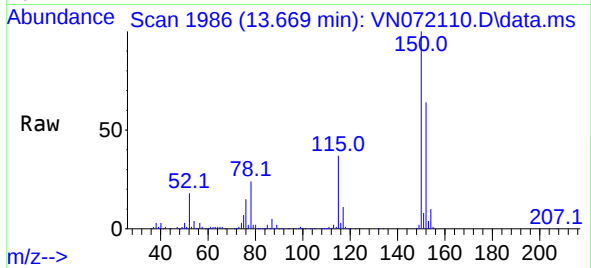
Tgt Ion:106 Resp: 4689
Ion Ratio Lower Upper
106 100
91 221.2 106.0 318.0



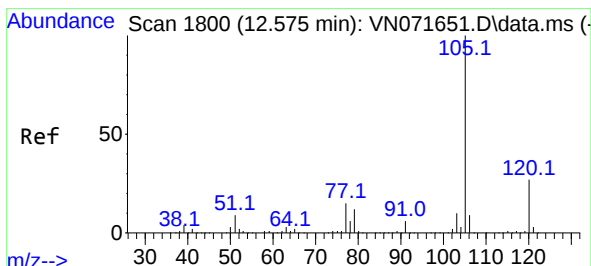
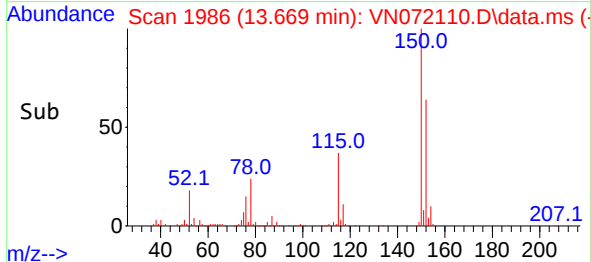
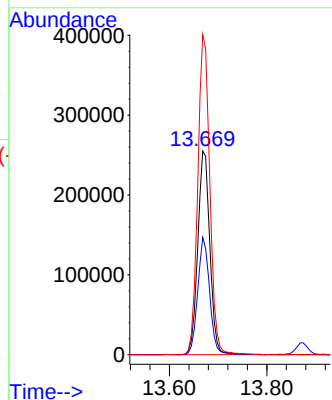


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

Instrument :
MSVOA_N
ClientSampleId :

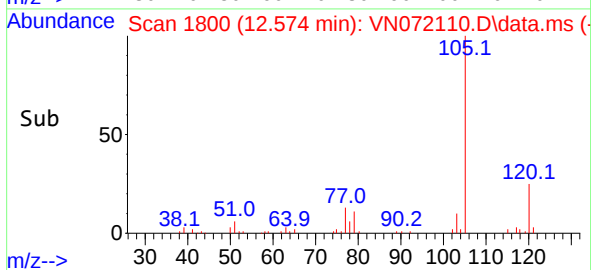
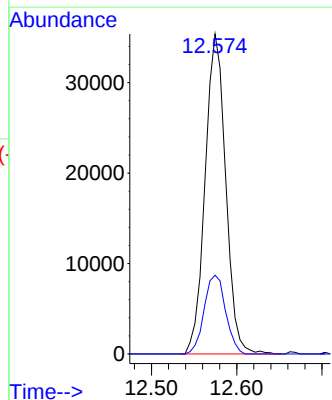
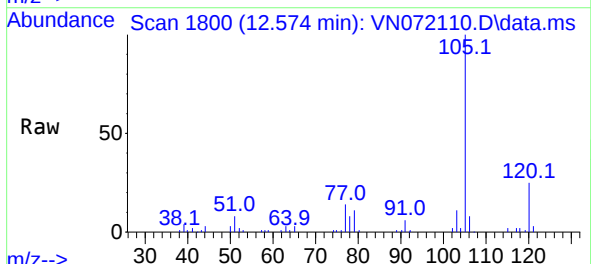


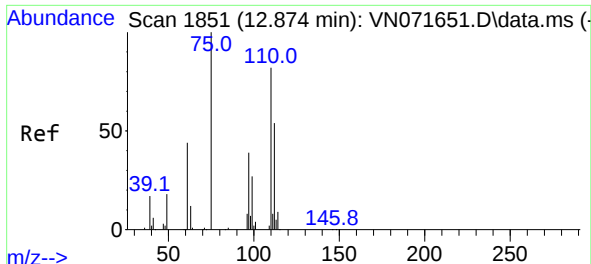
Tgt Ion:152 Resp: 441715
Ion Ratio Lower Upper
152 100
115 56.6 28.9 86.7
150 156.5 0.0 356.2



#73
Isopropylbenzene
Concen: 1.595 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. -0.001 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

Tgt Ion:105 Resp: 59384
Ion Ratio Lower Upper
105 100
120 25.6 13.5 40.4

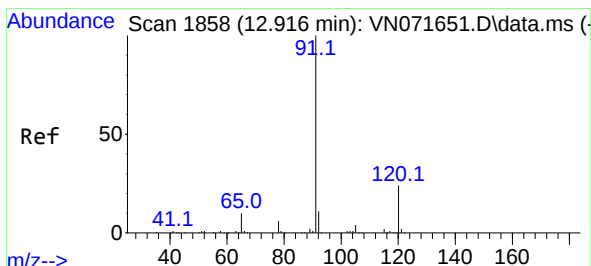
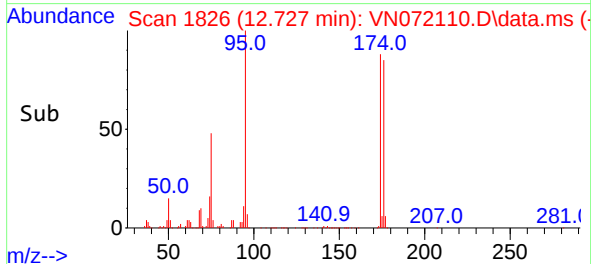
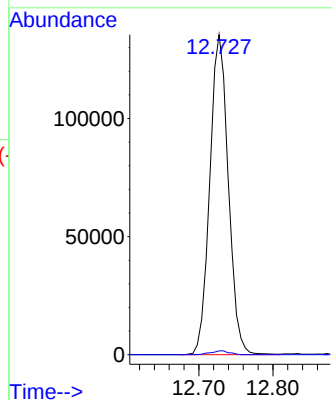
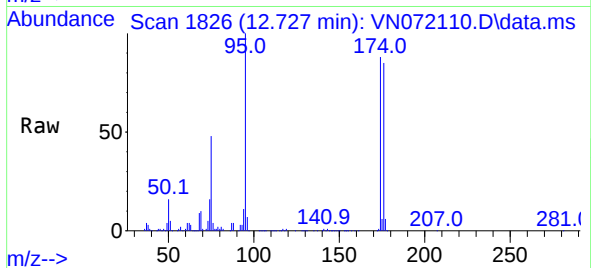




#76
1,2,3-Trichloropropane
Concen: 22.941 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

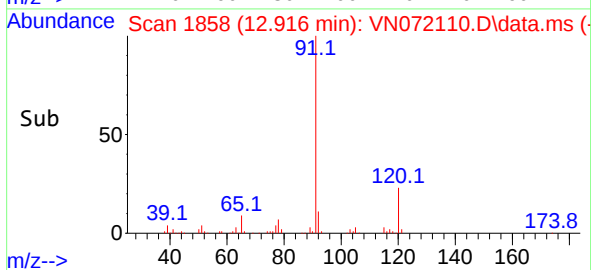
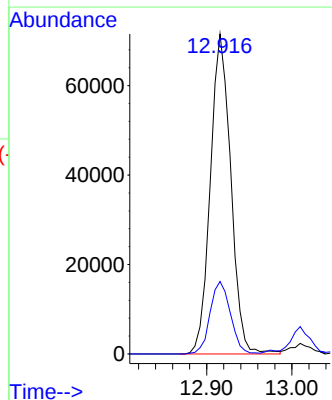
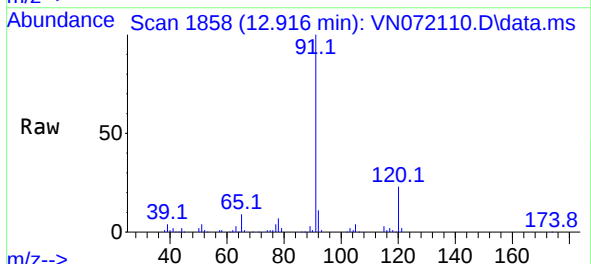
Instrument :
MSVOA_N
ClientSampleId :

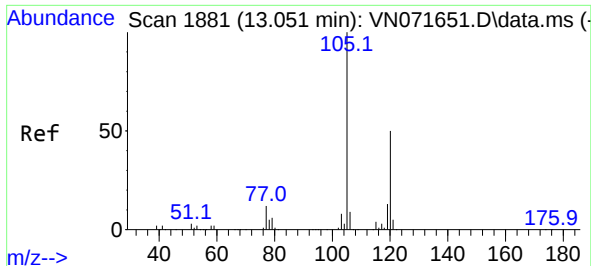
Tgt Ion: 75 Resp: 234745
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#78
n-propylbenzene
Concen: 3.057 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

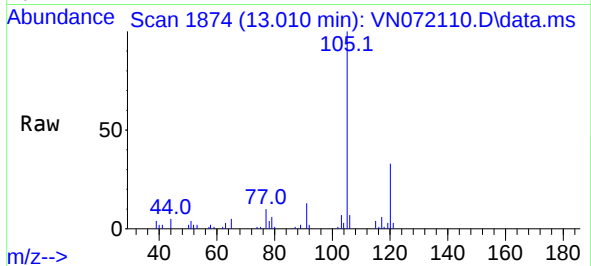
Tgt Ion: 91 Resp: 119699
Ion Ratio Lower Upper
91 100
120 22.6 11.9 35.5



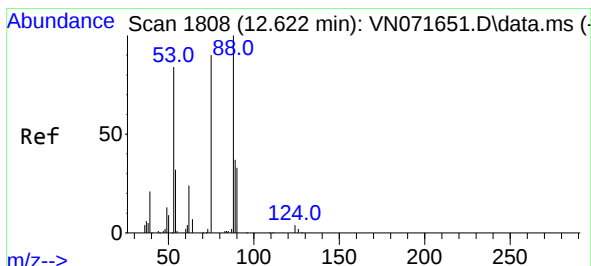
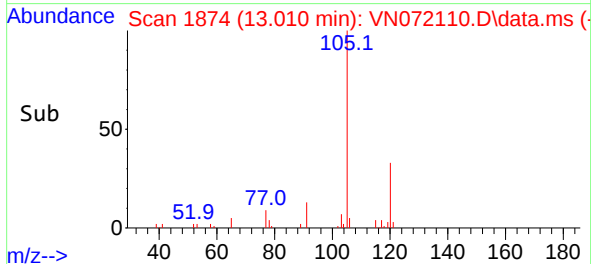
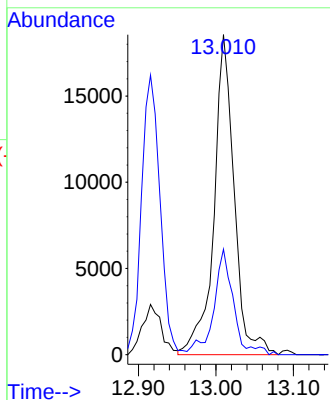


#80
1,3,5-Trimethylbenzene
Concen: 1.142 ug/l
RT: 13.010 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

Instrument :
MSVOA_N
ClientSampleId :

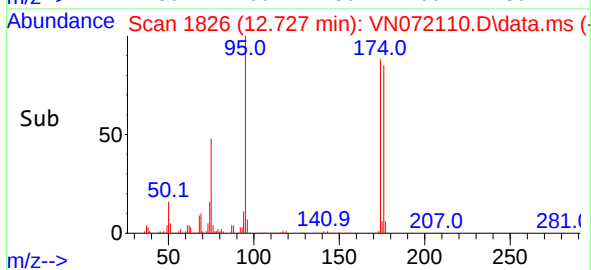
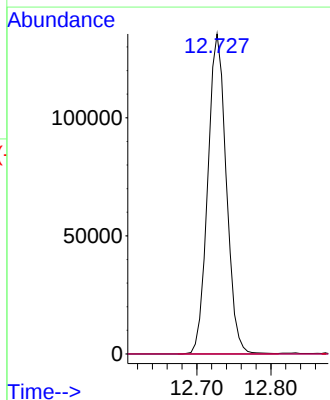
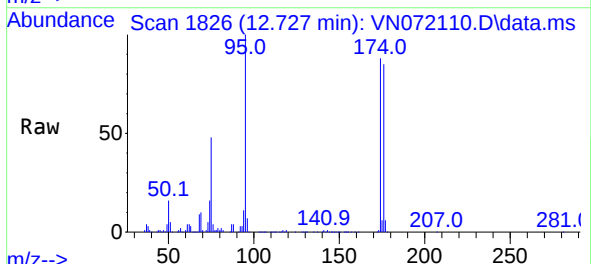


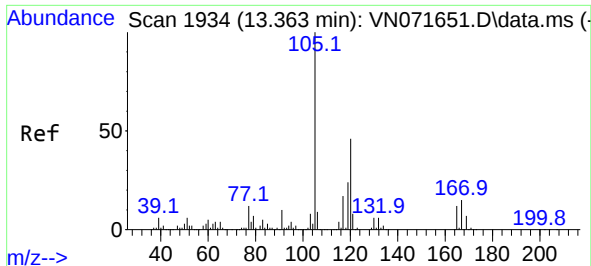
Tgt Ion:105 Resp: 33683
Ion Ratio Lower Upper
105 100
120 31.9 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 71.093 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

Tgt Ion: 75 Resp: 234745
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

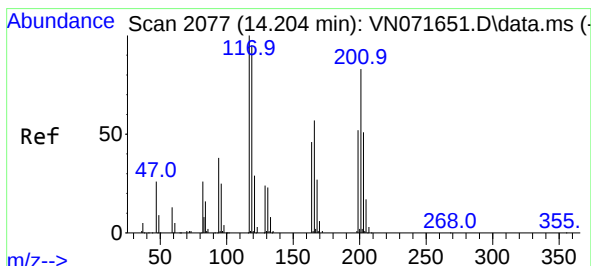
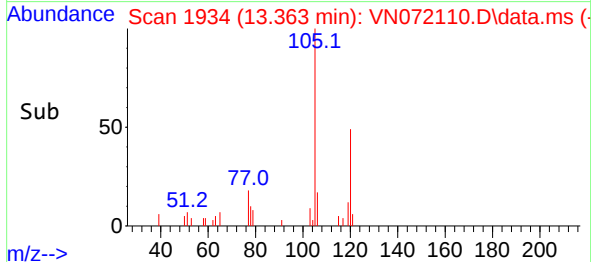
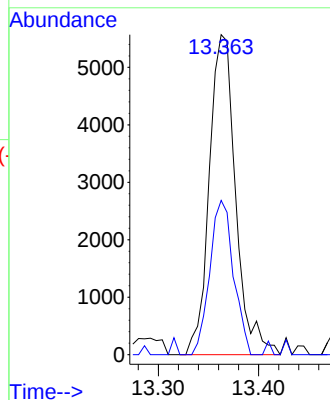
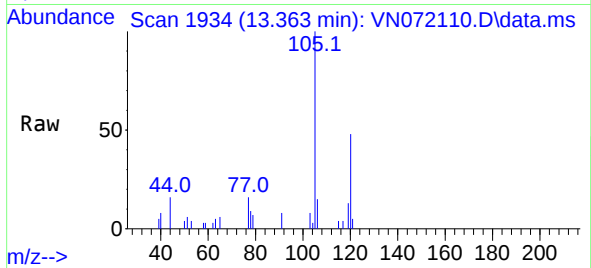




#84
1,2,4-Trimethylbenzene
Concen: 0.354 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

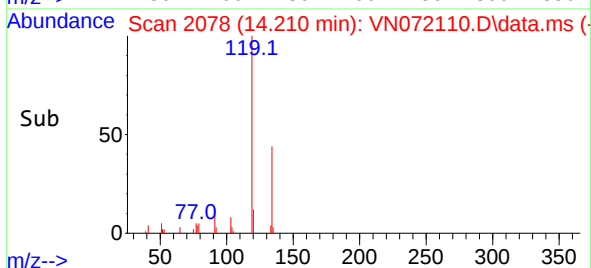
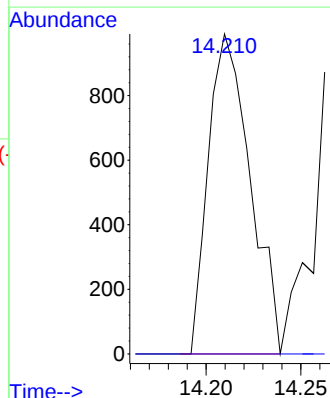
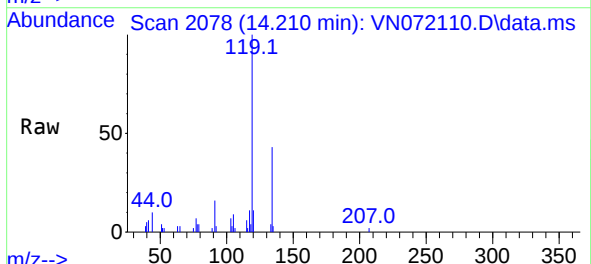
Instrument :
MSVOA_N
ClientSampleId :

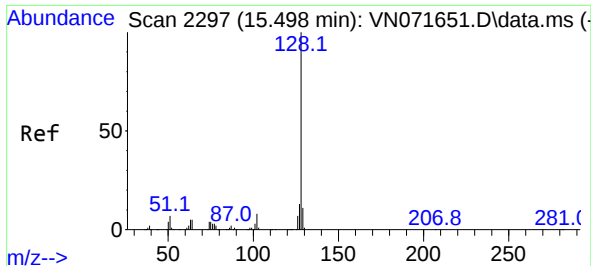
Tgt Ion:105 Resp: 10181
Ion Ratio Lower Upper
105 100
120 43.3 23.3 69.8



#90
Hexachloroethane
Concen: 0.299 ug/l
RT: 14.210 min Scan# 2078
Delta R.T. 0.006 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

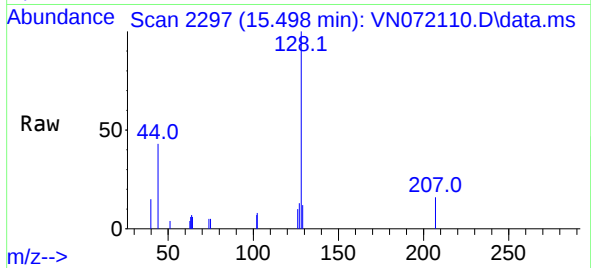
Tgt Ion:117 Resp: 1527
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#





#95
Naphthalene
Concen: 4.167 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072110.D
Acq: 21 Apr 2022 05:07

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	7922
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.2	8.6	13.0

