

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030721\
 Data File : VX021044.D
 Acq On : 05 Mar 2021 18:43
 Operator : JC/MD
 Sample : M1575-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-GW807B-AQ-030421

Quant Time: Mar 06 00:01:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

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

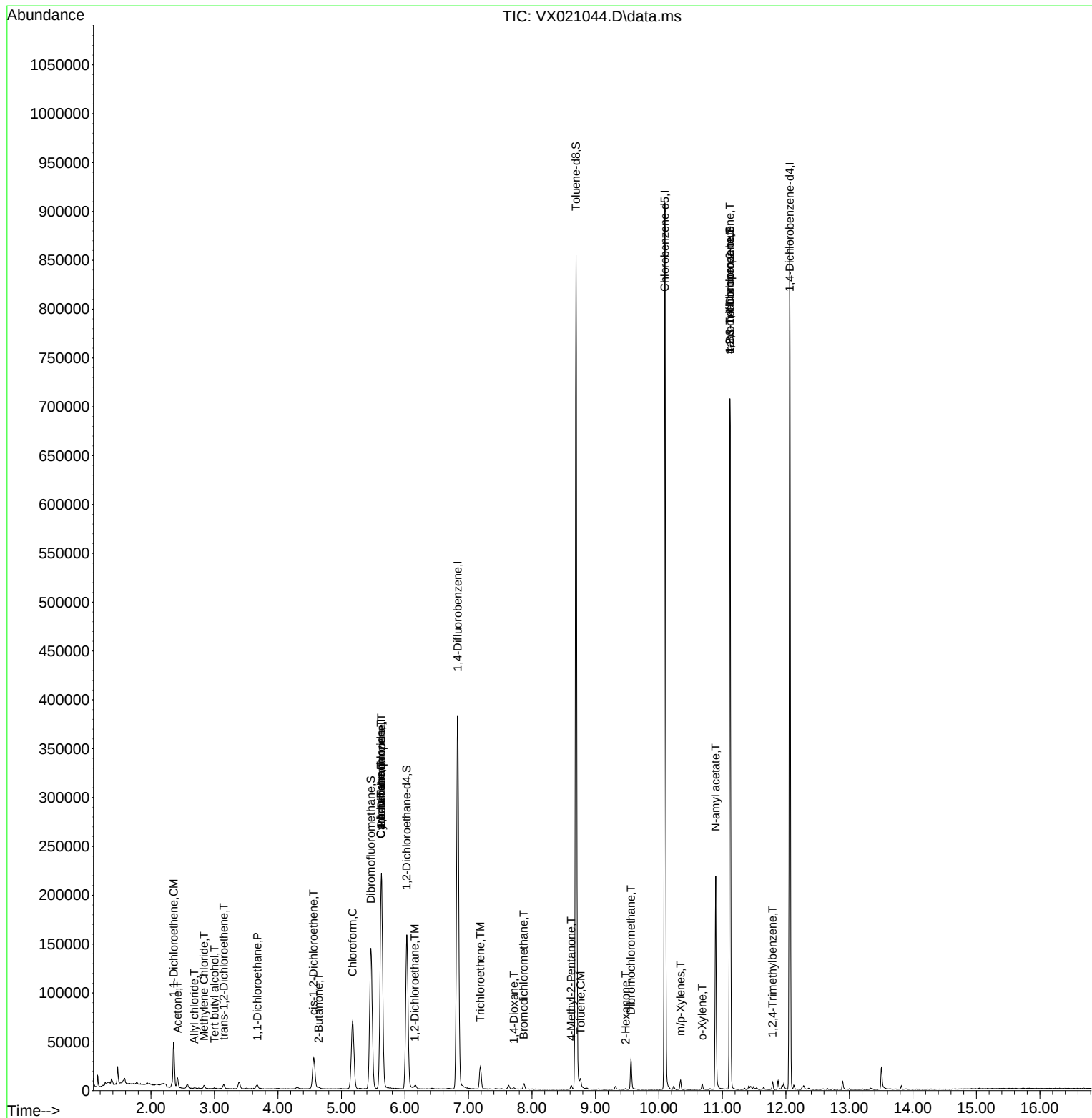
Internal Standards						
1) Pentafluorobenzene	5.629	168	216003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	410423	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	411473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	184541	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	148270	50.82	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.64%			
35) Dibromofluoromethane	5.464	113	129268	51.84	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.68%			
50) Toluene-d8	8.694	98	521365	53.62	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.24%			
62) 4-Bromofluorobenzene	11.118	95	201755	56.12	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 112.24%			
Target Compounds						Qvalue
5) Bromomethane	1.634	94	245	Below Cal	#	77
11) Tert butyl alcohol	2.999	59	448	0.69 ug/l	#	73
12) 1,1-Dichloroethene	2.358	96	16100	6.66 ug/l		98
14) Allyl chloride	2.682	41	823	0.21 ug/l	#	48
16) Acetone	2.417	43	10880	9.05 ug/l		98
20) Methylene Chloride	2.835	84	1490	0.52 ug/l		93
21) trans-1,2-Dichloroethene	3.146	96	1813	0.67 ug/l		94
24) 1,1-Dichloroethane	3.676	63	4717	1.01 ug/l		99
25) 2-Butanone	4.641	43	2503	1.37 ug/l	#	82
27) cis-1,2-Dichloroethene	4.558	96	21207	6.78 ug/l		90
30) Chloroform	5.176	83	85665	18.17 ug/l		100
31) Cyclohexane	5.623	56	4058	0.96 ug/l	#	1
36) 1,1-Dichloropropene	5.629	75	16511	4.23 ug/l	#	49
38) Carbon Tetrachloride	5.623	117	21123	5.59 ug/l	#	17
42) 1,2-Dichloroethane	6.153	62	3716	0.96 ug/l		98
44) Trichloroethene	7.188	130	9188	2.99 ug/l		90
47) Bromodichloromethane	7.871	83	3753	0.91 ug/l	#	93
49) 1,4-Dioxane	7.718	88	903	12.22 ug/l	#	89
51) 4-Methyl-2-Pentanone	8.618	43	2370	0.64 ug/l		97
52) Toluene	8.765	92	2714	0.37 ug/l		95
59) 2-Hexanone	9.477	43	611	0.22 ug/l		71
60) Dibromochloromethane	9.559	129	703	0.23 ug/l		97
68) m/p-Xylenes	10.341	106	2379	0.41 ug/l		94
69) o-Xylene	10.683	106	1177	0.21 ug/l		97
74) N-amyl acetate	10.894	43	25974	4.40 ug/l	#	1
76) 1,2,3-Trichloropropane	11.118	75	94876	23.90 ug/l	#	39
81) trans-1,4-Dichloro-2-b...	11.118	75	94876	52.91 ug/l	#	12
84) 1,2,4-Trimethylbenzene	11.789	105	3520	0.29 ug/l		100

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

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Instrument :
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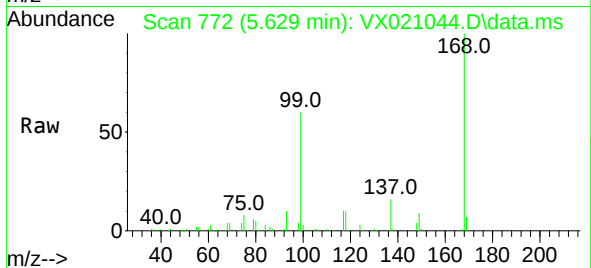
Quant Time: Mar 06 00:01:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
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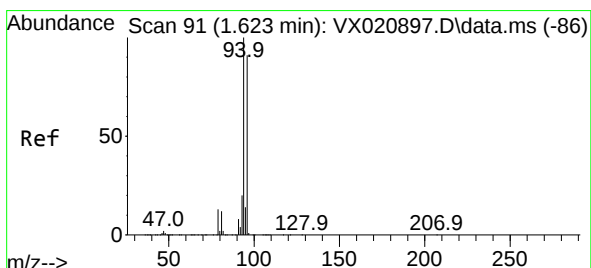
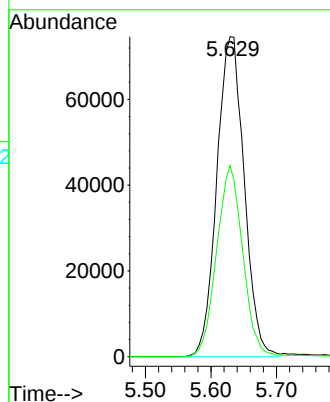
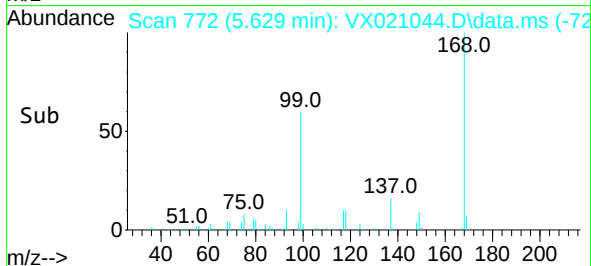


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.006 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

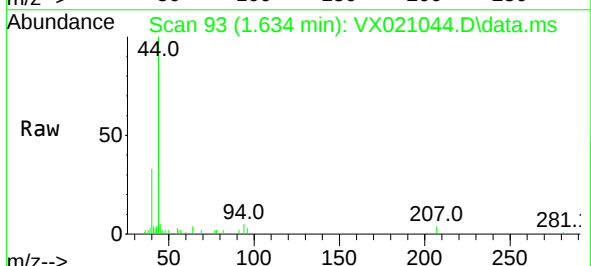
Instrument :
MSVOA_X
ClientSampleId :
IDW-GW807B-AQ-030421



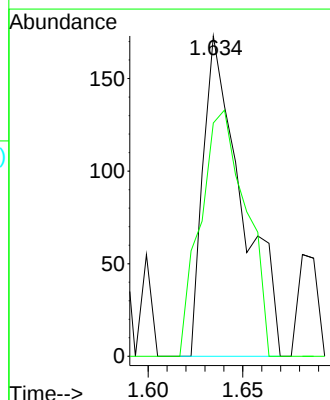
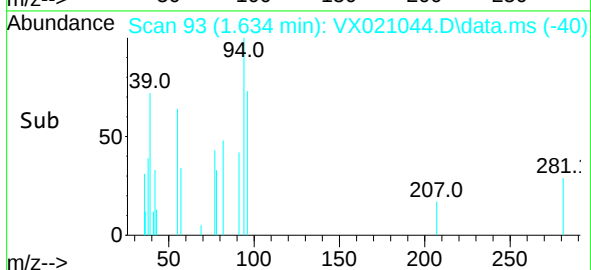
Tgt Ion:168 Resp: 216003
Ion Ratio Lower Upper
168 100
99 59.8 45.8 68.6

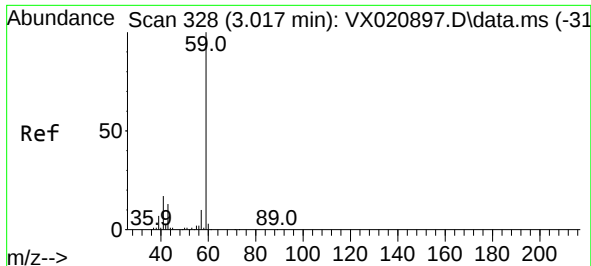


#5
Bromomethane
Concen: Below Cal
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43



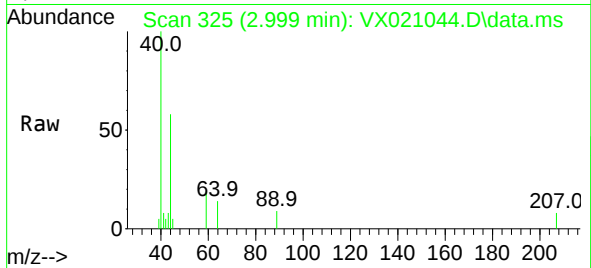
Tgt Ion: 94 Resp: 245
Ion Ratio Lower Upper
94 100
96 72.8 76.4 114.6#



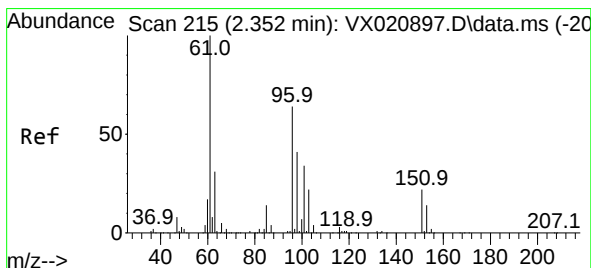
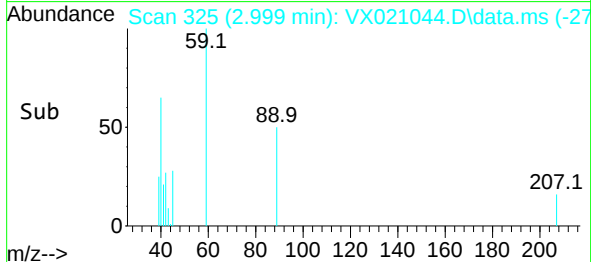
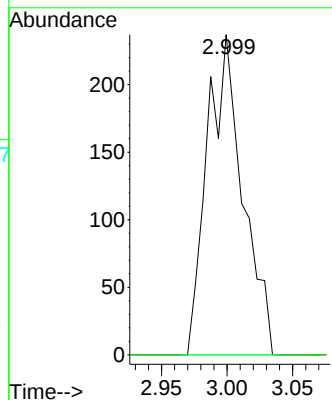


#11
Tert butyl alcohol
Concen: 0.69 ug/l
RT: 2.999 min Scan# 325
Delta R.T. -0.018 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

Instrument :
MSVOA_X
ClientSampleId :
IDW-GW807B-AQ-030421

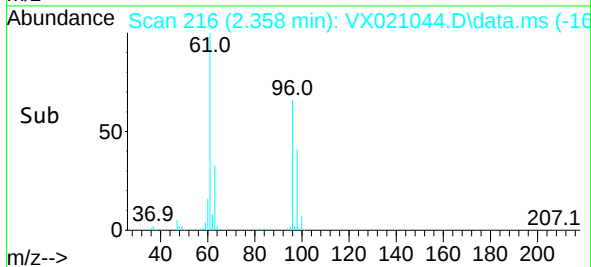
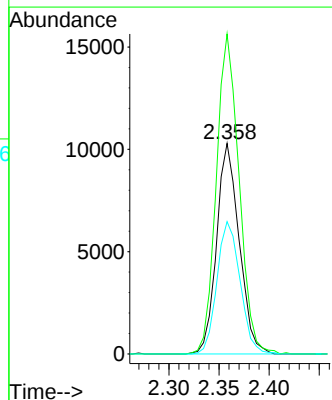
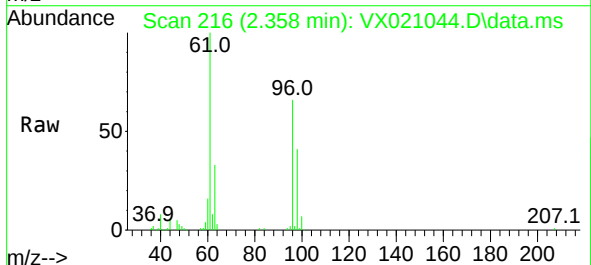


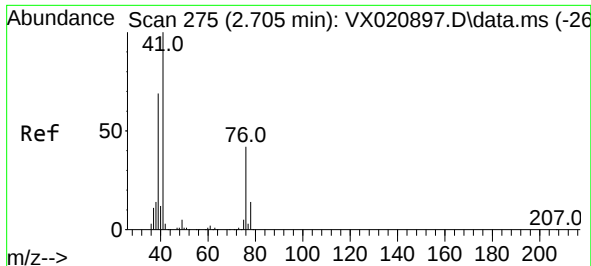
Tgt Ion: 59 Resp: 448
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 6.66 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

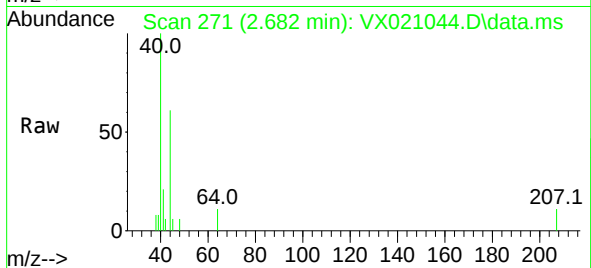
Tgt Ion: 96 Resp: 16100
Ion Ratio Lower Upper
96 100
61 152.0 124.6 187.0
98 62.8 50.6 76.0



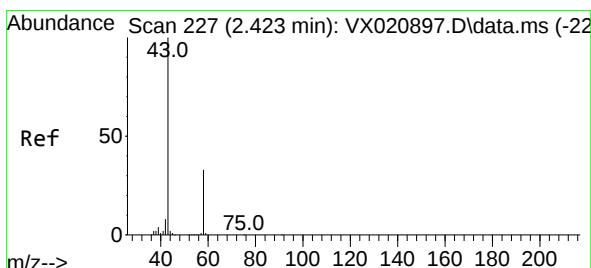
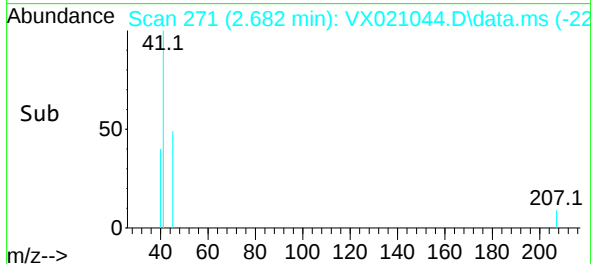
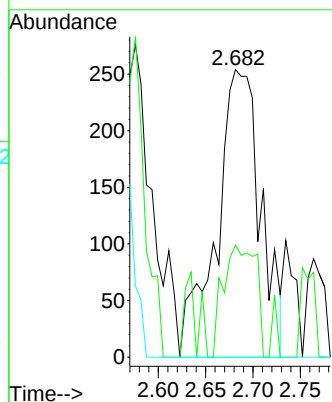


#14
 Allyl chloride
 Concen: 0.21 ug/l
 RT: 2.682 min Scan# 271
 Delta R.T. -0.023 min
 Lab File: VX021044.D
 Acq: 05 Mar 2021 18:43

Instrument :
 MSVOA_X
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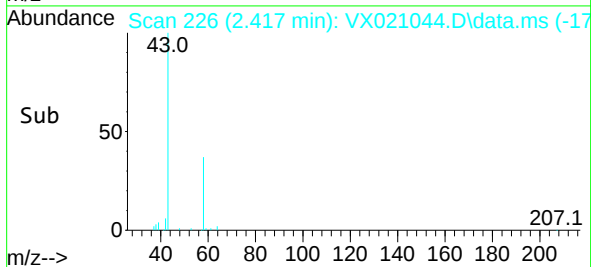
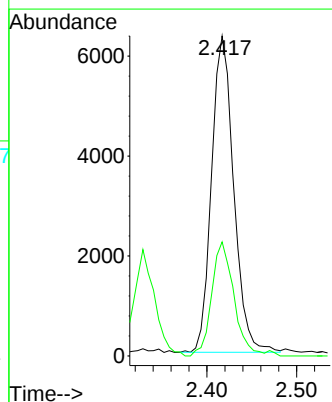
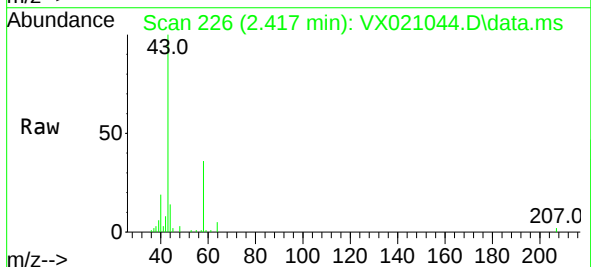


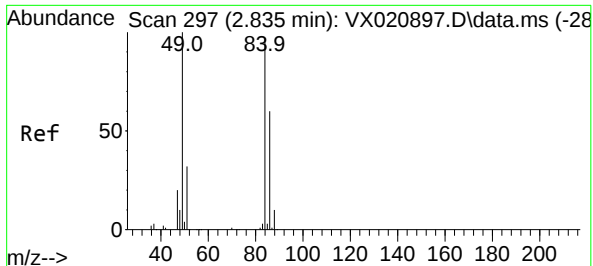
Tgt Ion: 41 Resp: 823
 Ion Ratio Lower Upper
 41 100
 39 29.0 51.6 77.4#
 76 0.0 30.5 45.7#



#16
 Acetone
 Concen: 9.05 ug/l
 RT: 2.417 min Scan# 226
 Delta R.T. -0.006 min
 Lab File: VX021044.D
 Acq: 05 Mar 2021 18:43

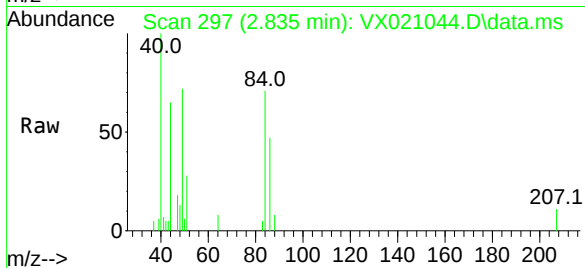
Tgt Ion: 43 Resp: 10880
 Ion Ratio Lower Upper
 43 100
 58 36.1 27.8 41.8



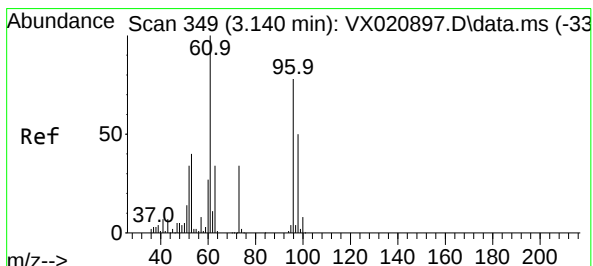
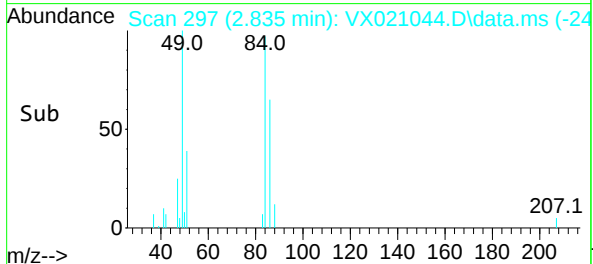
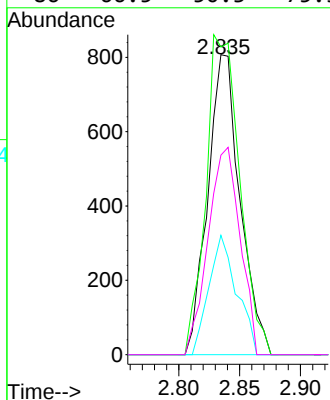


#20
Methylene Chloride
Concen: 0.52 ug/l
RT: 2.835 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

Instrument :
MSVOA_X
ClientSampleId :
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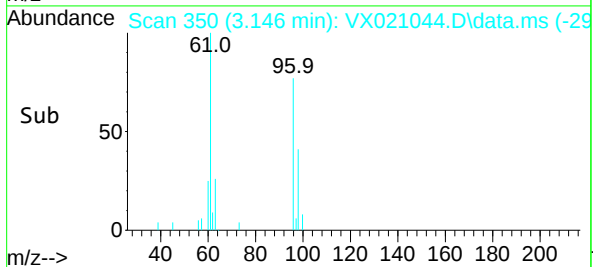
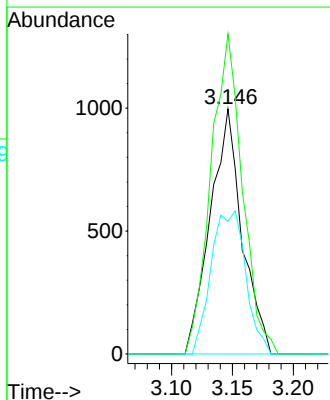
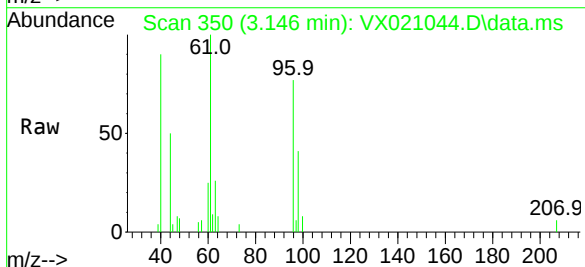


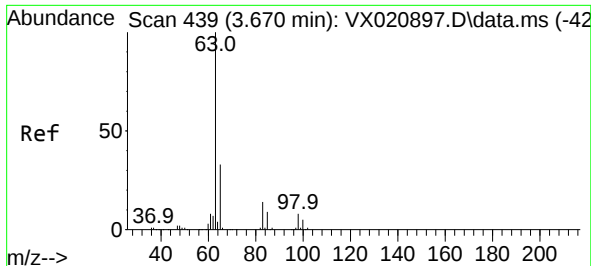
Tgt Ion:	84	Resp:	1490
Ion	Ratio	Lower	Upper
84	100		
49	102.6	88.6	132.8
51	39.8	27.0	40.6
86	66.5	50.3	75.5



#21
trans-1,2-Dichloroethene
Concen: 0.67 ug/l
RT: 3.146 min Scan# 350
Delta R.T. 0.006 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

Tgt Ion:	96	Resp:	1813
Ion	Ratio	Lower	Upper
96	100		
61	130.6	107.7	161.5
98	54.2	50.4	75.6

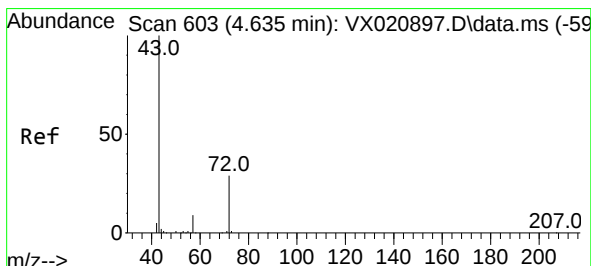
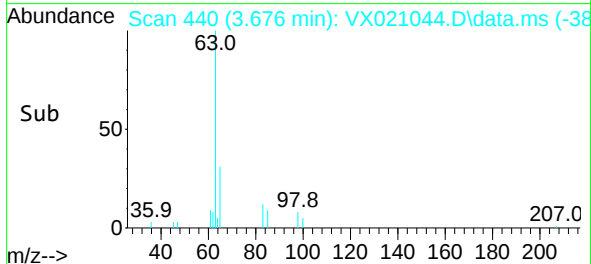
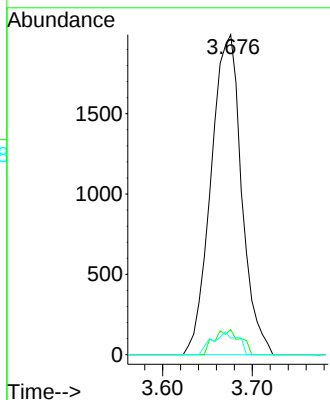
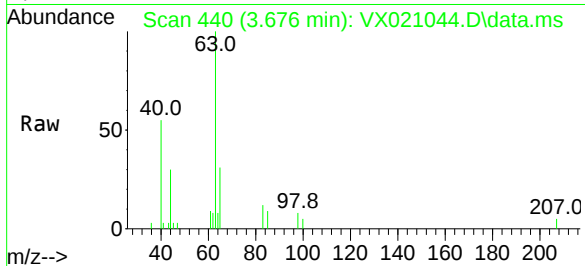




#24
1,1-Dichloroethane
Concen: 1.01 ug/l
RT: 3.676 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

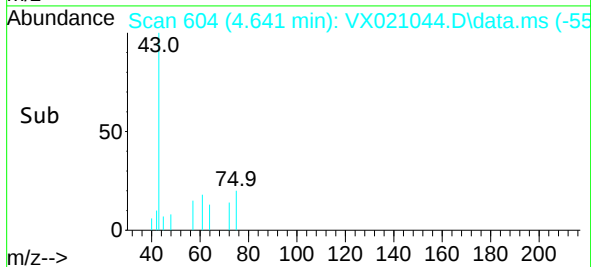
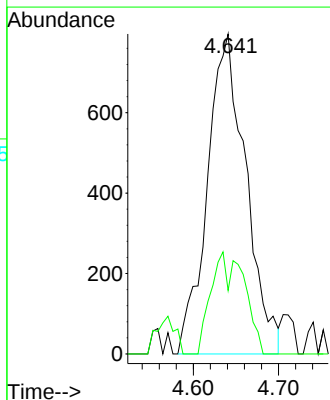
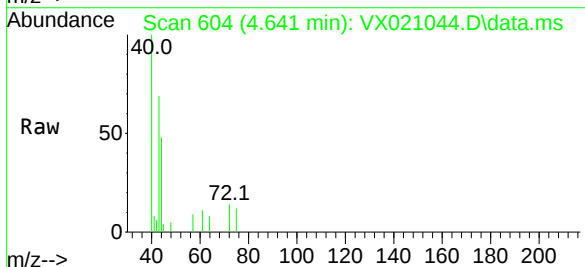
Instrument :
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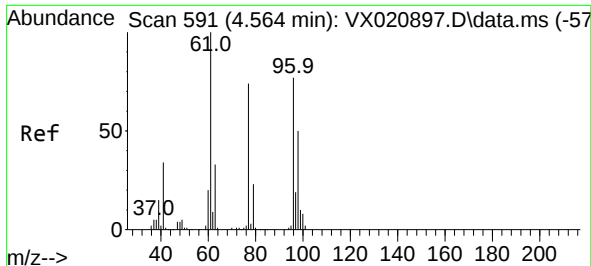
Tgt Ion:	63	Resp:	4717
Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.8	11.2
100	5.1	2.5	7.5



#25
2-Butanone
Concen: 1.37 ug/l
RT: 4.641 min Scan# 604
Delta R.T. 0.006 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

Tgt Ion:	43	Resp:	2503
Ion	Ratio	Lower	Upper
43	100		
72	19.8	23.7	35.5#

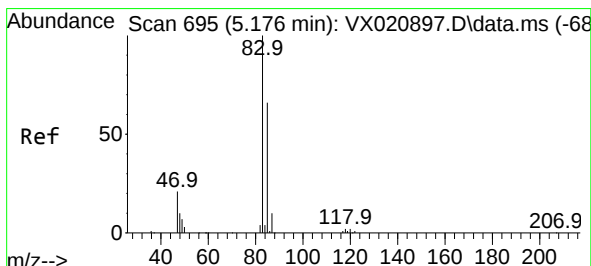
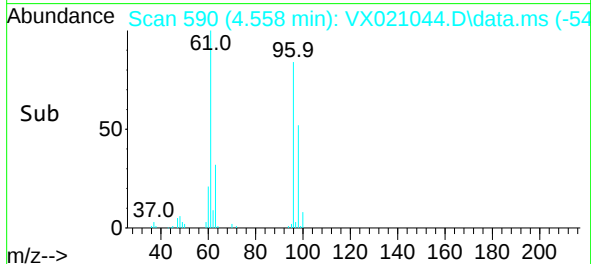
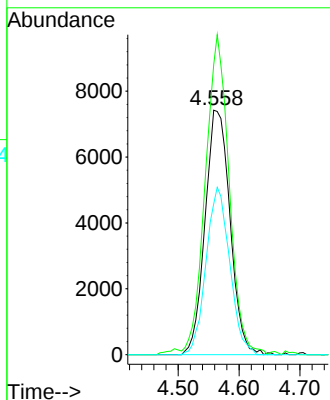
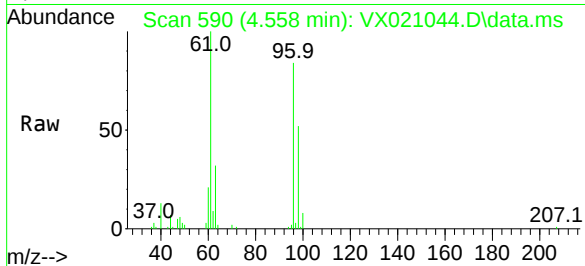




#27
cis-1,2-Dichloroethene
Concen: 6.78 ug/l
RT: 4.558 min Scan# 590
Delta R.T. -0.006 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

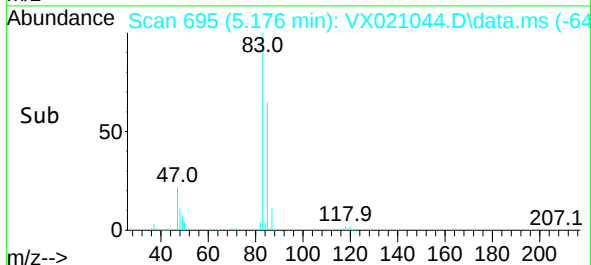
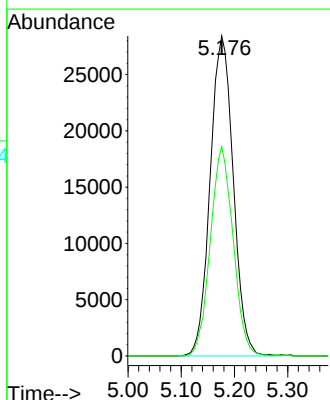
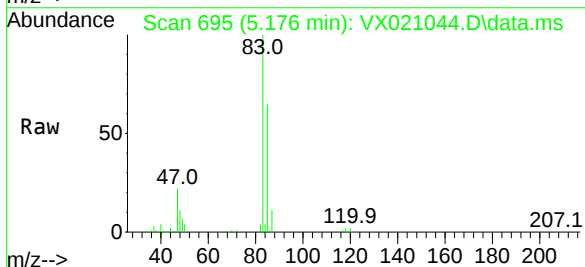
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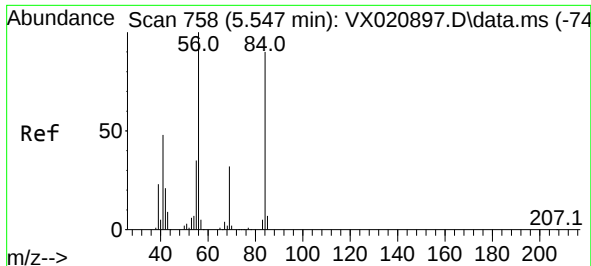
Tgt Ion:	96	Resp:	21207
Ion	Ratio	Lower	Upper
96	100		
61	125.4	0.0	285.6
98	64.6	0.0	129.6



#30
Chloroform
Concen: 18.17 ug/l
RT: 5.176 min Scan# 695
Delta R.T. 0.000 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

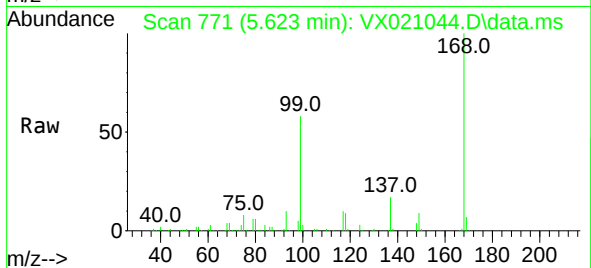
Tgt Ion:	83	Resp:	85665
Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.0	78.0



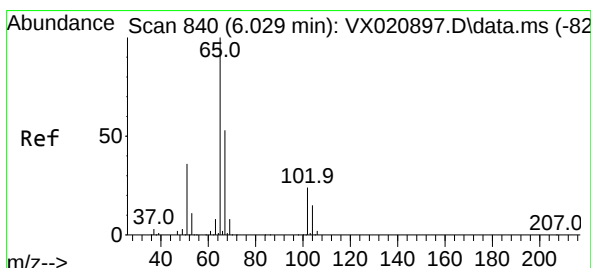
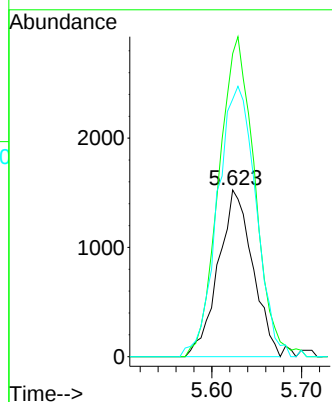
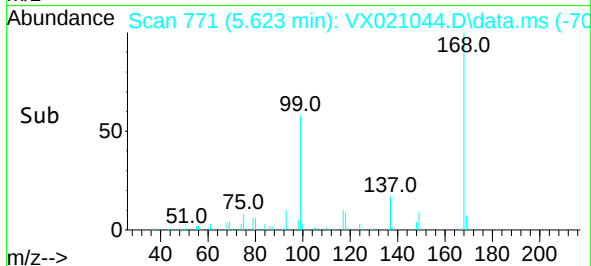


#31
Cyclohexane
Concen: 0.96 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.077 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

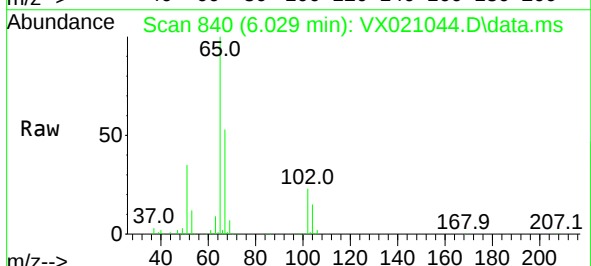
Instrument :
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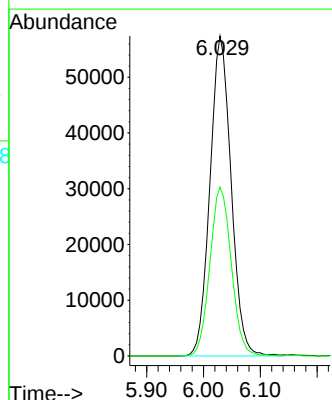
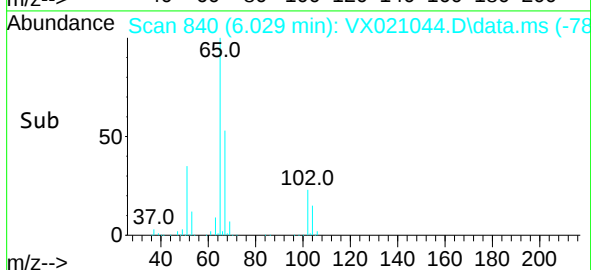
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Ion Ratio Lower Upper
56 100
69 181.8 25.3 37.9#
84 154.4 71.4 107.0#

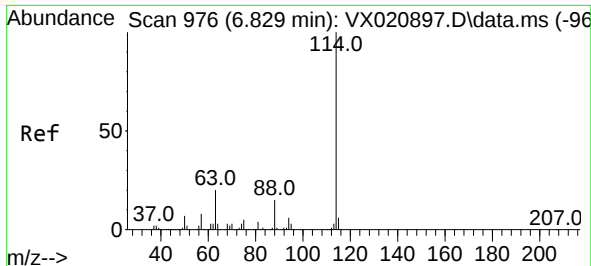


#33
1,2-Dichloroethane-d4
Concen: 50.82 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43



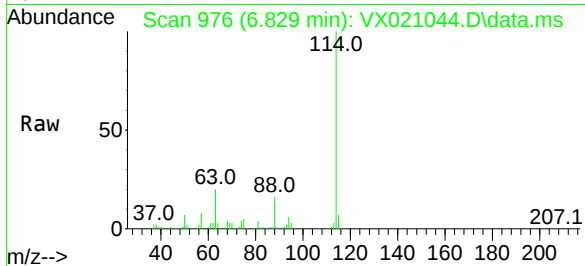
Tgt Ion: 65 Resp: 148270
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.4



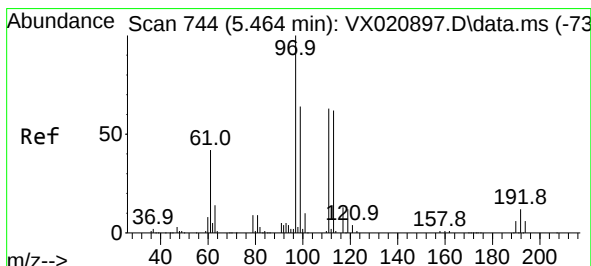
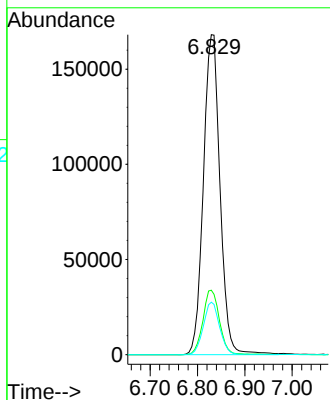
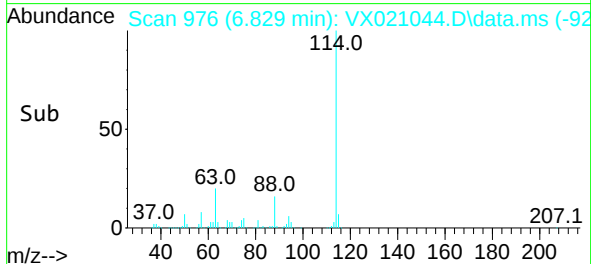


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

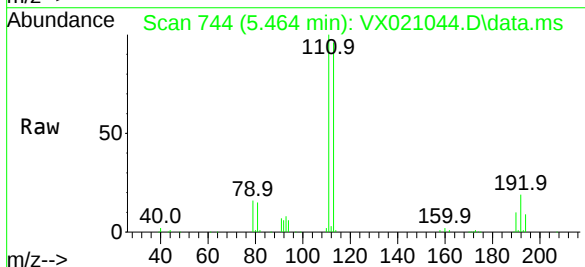
Instrument :
MSVOA_X
ClientSampleId :
IDW-GW807B-AQ-030421



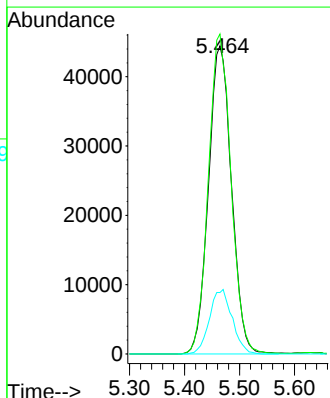
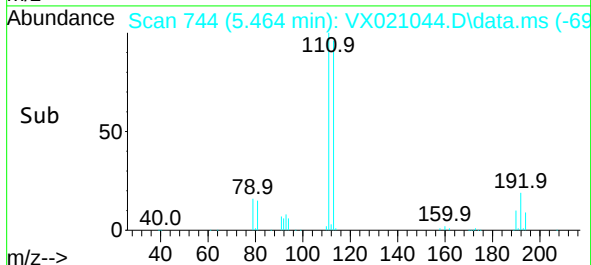
Tgt Ion:114 Resp: 410423
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 16.4 0.0 32.8

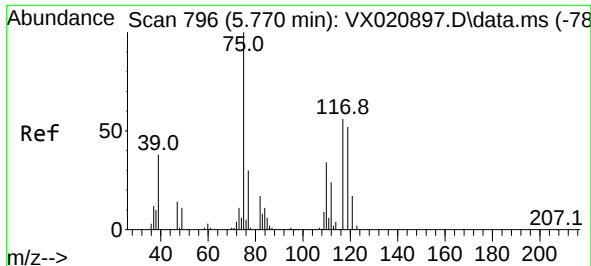


#35
Dibromofluoromethane
Concen: 51.84 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43



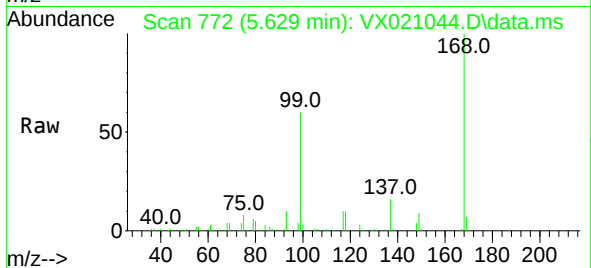
Tgt Ion:113 Resp: 129268
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 20.6 16.7 25.1



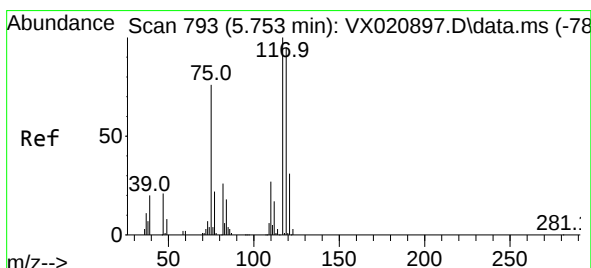
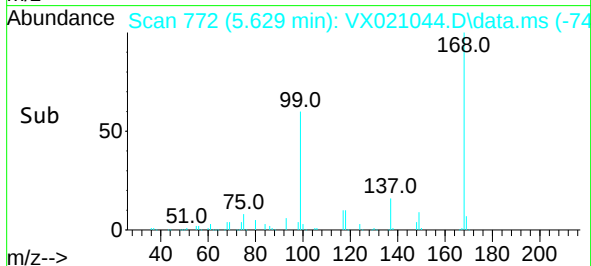
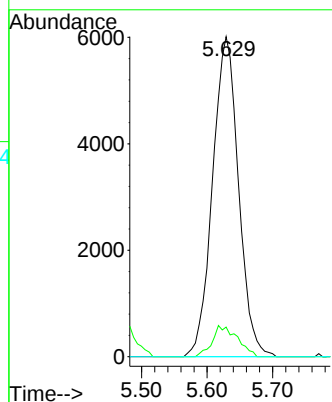


#36
1,1-Dichloropropene
Concen: 4.23 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

Instrument :
MSVOA_X
ClientSampleId :
IDW-GW807B-AQ-030421

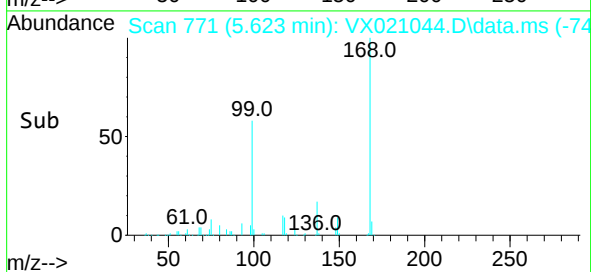
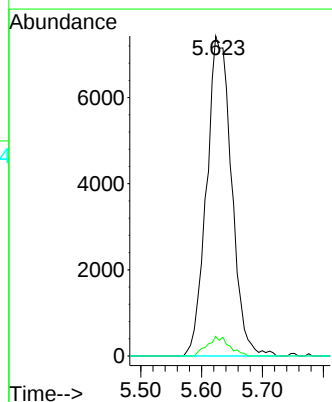
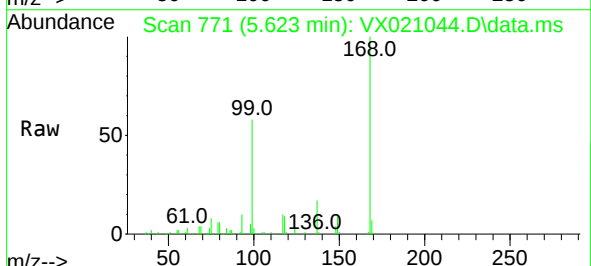


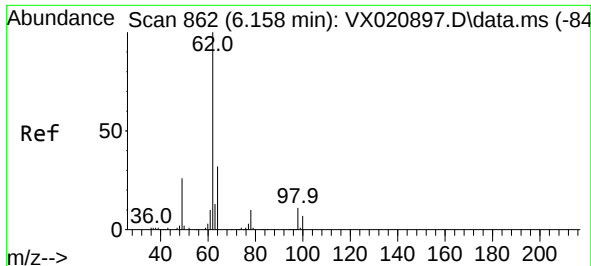
Tgt Ion: 75	Resp: 16511
Ion Ratio	Lower Upper
75 100	
110 9.4	18.1 54.4#
77 0.0	25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.59 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.129 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

Tgt Ion: 117	Resp: 21123
Ion Ratio	Lower Upper
117 100	
119 6.1	76.2 114.2#
121 0.0	24.8 37.2#





#42

1,2-Dichloroethane

Concen: 0.96 ug/l

RT: 6.153 min Scan# 861

Delta R.T. -0.006 min

Lab File: VX021044.D

Acq: 05 Mar 2021 18:43

Tgt Ion: 62 Resp: 3716

Ion Ratio Lower Upper

62 100

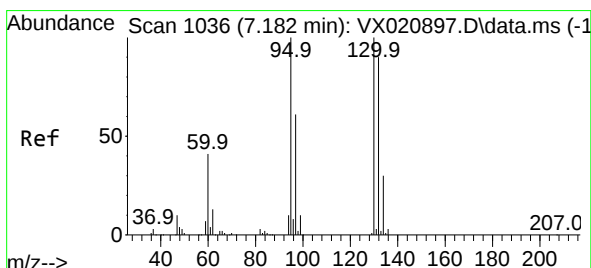
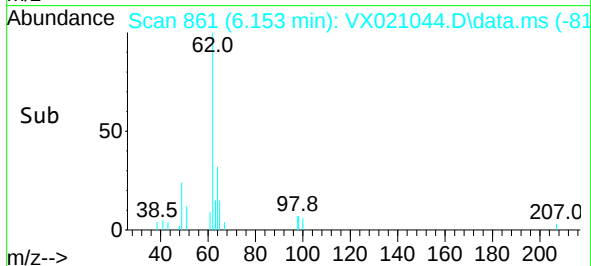
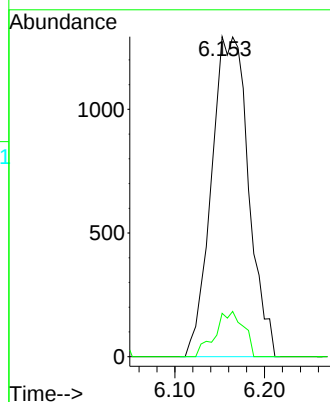
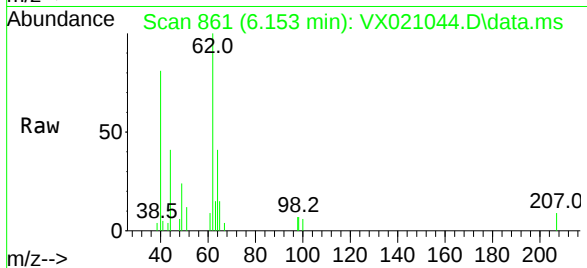
98 10.8 0.0 20.2

Instrument :

MSVOA_X

ClientSampleId :

IDW-GW807B-AQ-030421



#44

Trichloroethene

Concen: 2.99 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VX021044.D

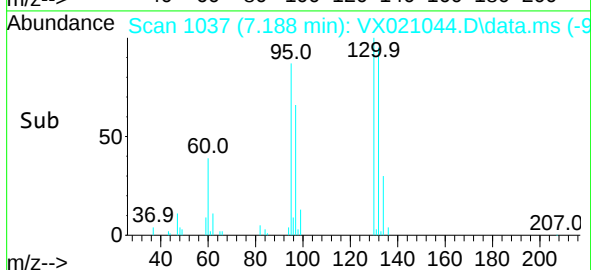
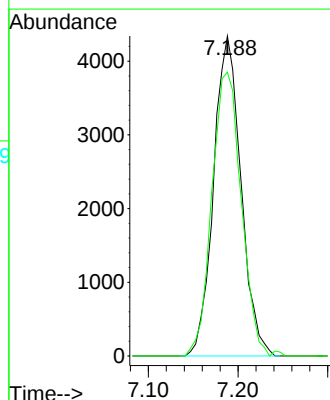
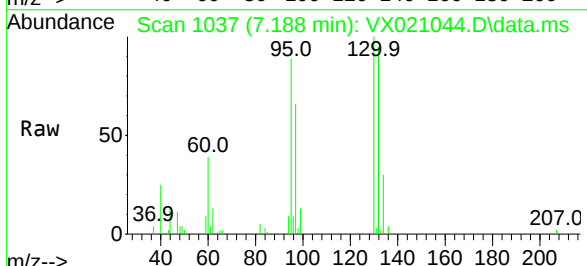
Acq: 05 Mar 2021 18:43

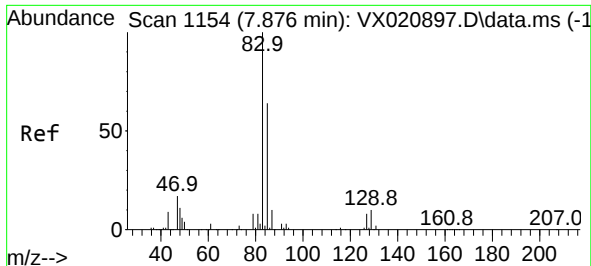
Tgt Ion:130 Resp: 9188

Ion Ratio Lower Upper

130 100

95 88.7 0.0 198.0

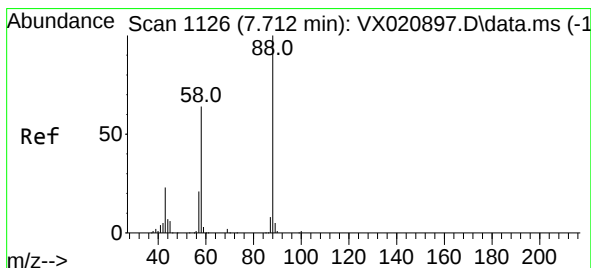
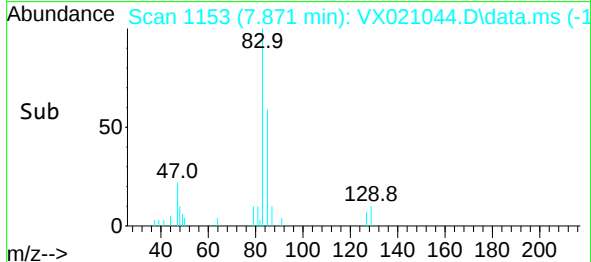
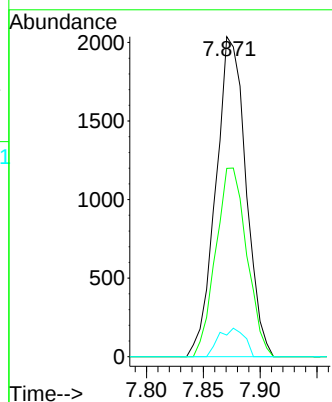
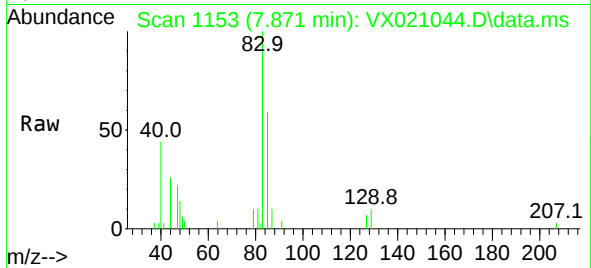




#47
Bromodichloromethane
Concen: 0.91 ug/l
RT: 7.871 min Scan# 1153
Delta R.T. -0.006 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

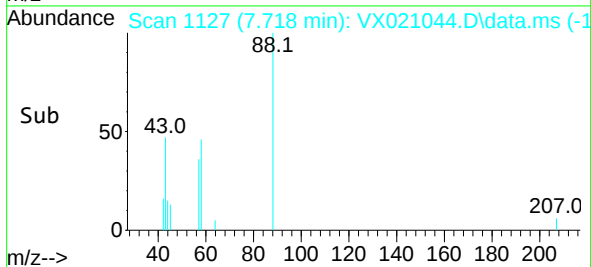
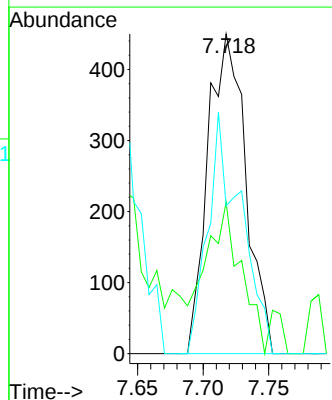
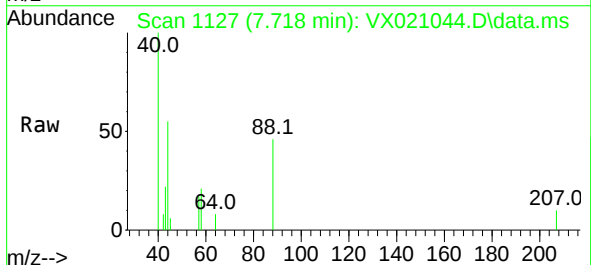
Instrument :
MSVOA_X
ClientSampleId :
IDW-GW807B-AQ-030421

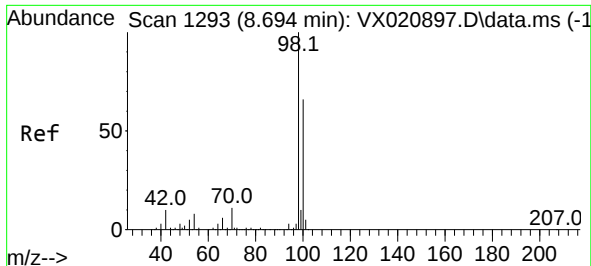
Tgt Ion: 83 Resp: 3753
Ion Ratio Lower Upper
83 100
85 58.9 51.4 77.0
127 6.8 6.8 10.2#



#49
1,4-Dioxane
Concen: 12.22 ug/l
RT: 7.718 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

Tgt Ion: 88 Resp: 903
Ion Ratio Lower Upper
88 100
43 44.4 23.2 34.8#
58 65.6 55.0 82.4

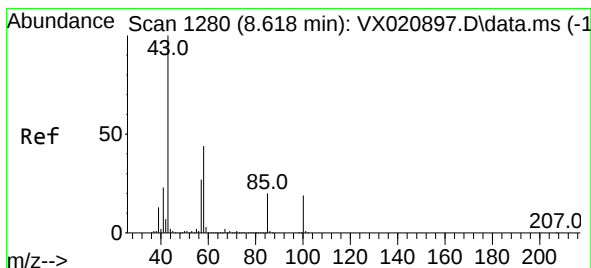
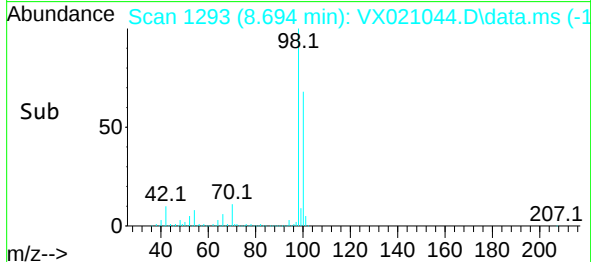
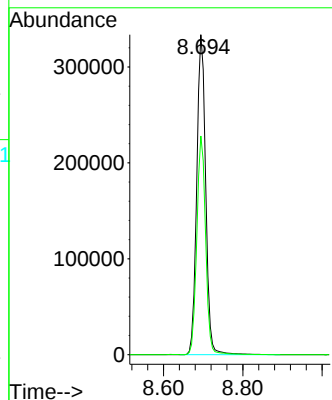
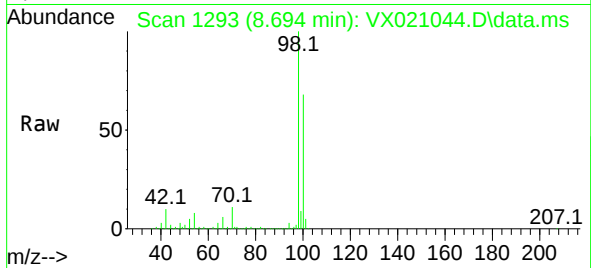




#50
Toluene-d8
Concen: 53.62 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

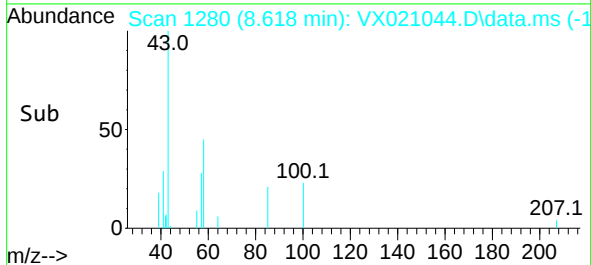
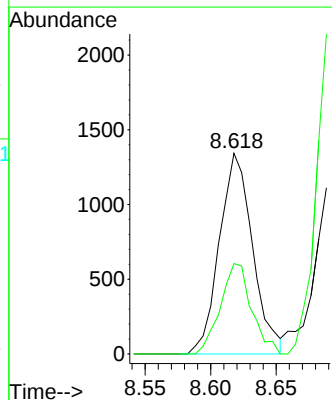
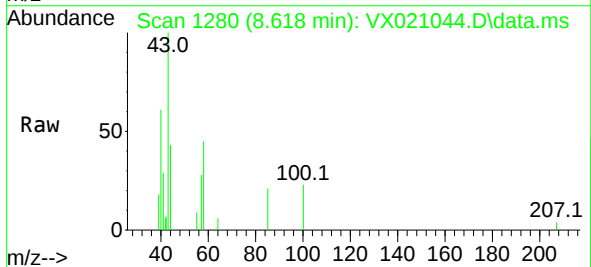
Instrument :
MSVOA_X
ClientSampleId :
IDW-GW807B-AQ-030421

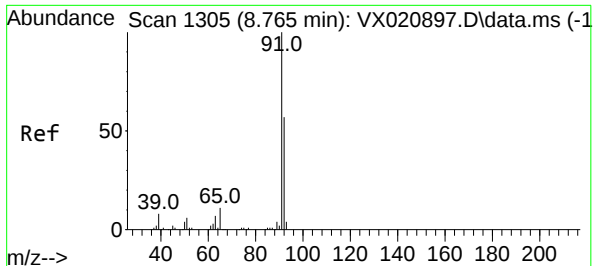
Tgt Ion: 98 Resp: 521365
Ion Ratio Lower Upper
98 100
100 67.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.64 ug/l
RT: 8.618 min Scan# 1280
Delta R.T. 0.000 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

Tgt Ion: 43 Resp: 2370
Ion Ratio Lower Upper
43 100
58 42.2 35.4 53.0

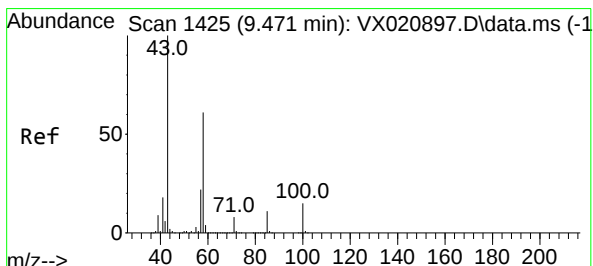
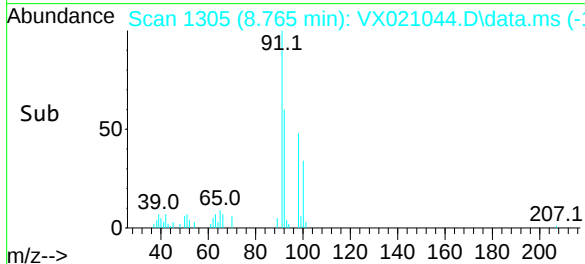
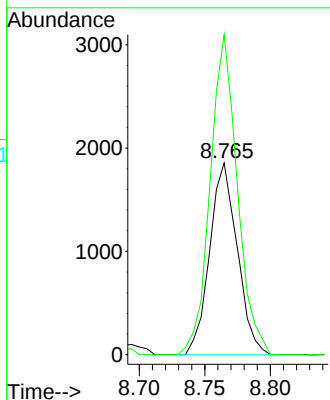
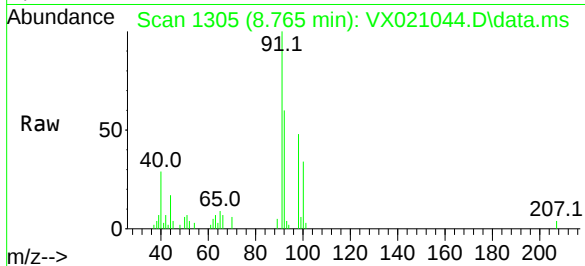




#52
Toluene
Concen: 0.37 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. 0.000 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

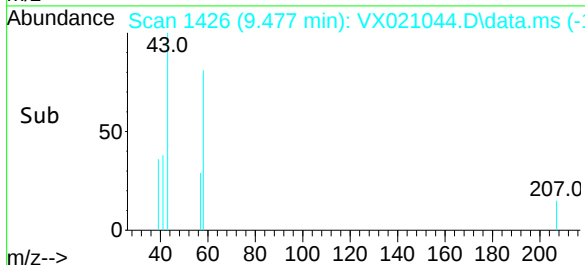
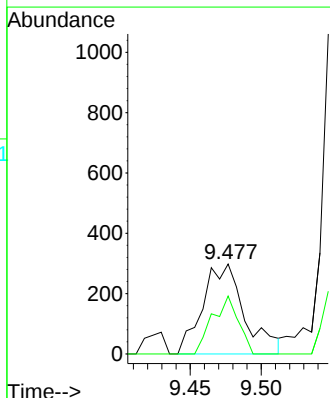
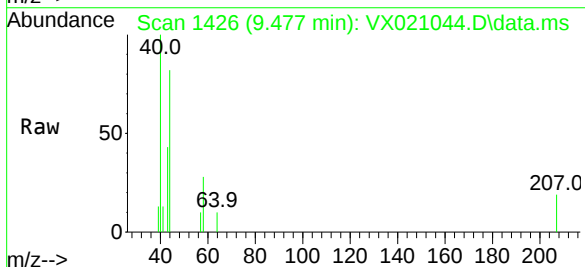
Instrument :
MSVOA_X
ClientSampleId :
IDW-GW807B-AQ-030421

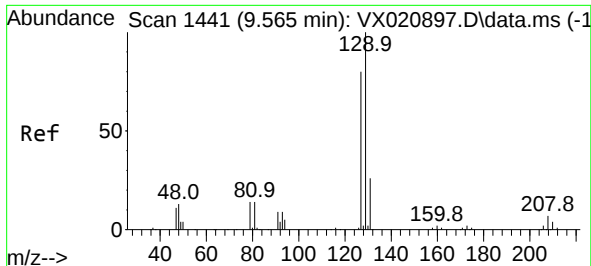
Tgt Ion: 92 Resp: 2714
Ion Ratio Lower Upper
92 100
91 164.7 137.1 205.7



#59
2-Hexanone
Concen: 0.22 ug/l
RT: 9.477 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

Tgt Ion: 43 Resp: 611
Ion Ratio Lower Upper
43 100
58 39.9 30.9 92.8

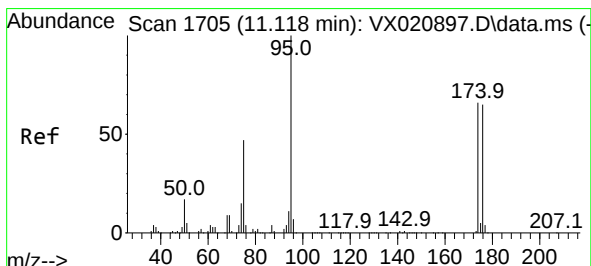
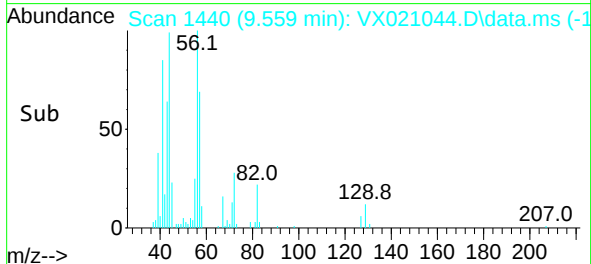
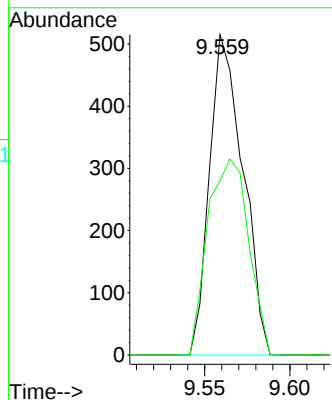
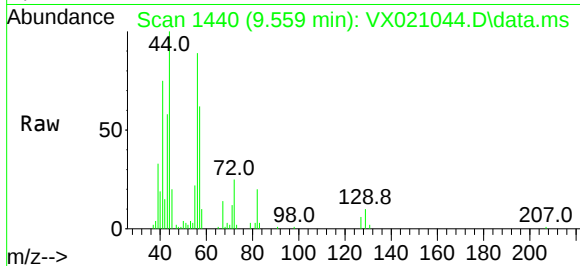




#60
Dibromochloromethane
Concen: 0.23 ug/l
RT: 9.559 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

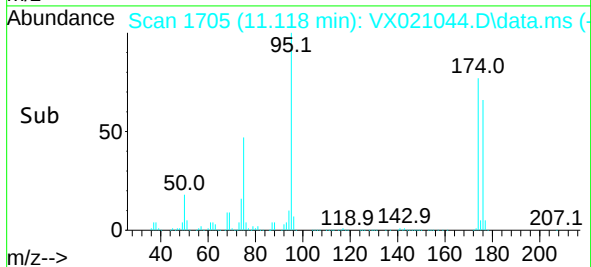
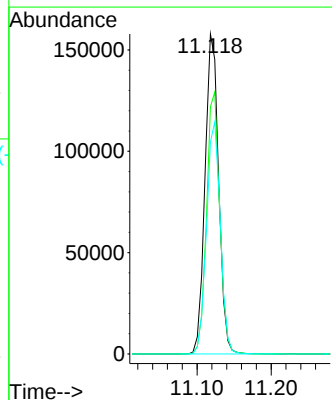
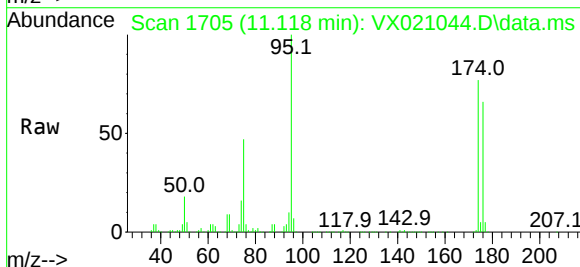
Instrument :
MSVOA_X
ClientSampleId :
IDW-GW807B-AQ-030421

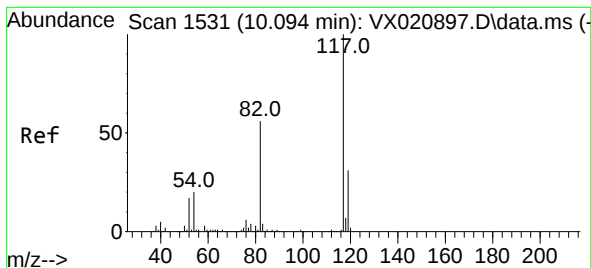
Tgt Ion:129 Resp: 703
Ion Ratio Lower Upper
129 100
127 74.5 38.4 115.2



#62
4-Bromofluorobenzene
Concen: 56.12 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

Tgt Ion: 95 Resp: 201755
Ion Ratio Lower Upper
95 100
174 79.4 0.0 154.6
176 73.7 0.0 155.8

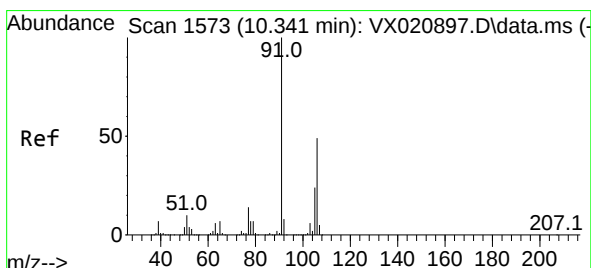
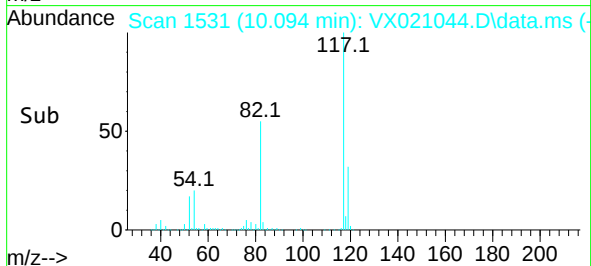
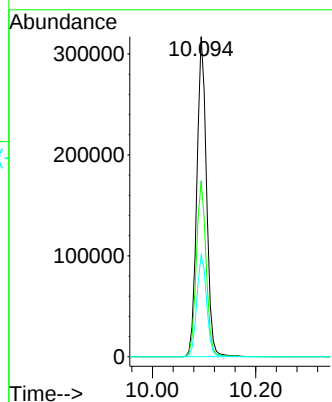
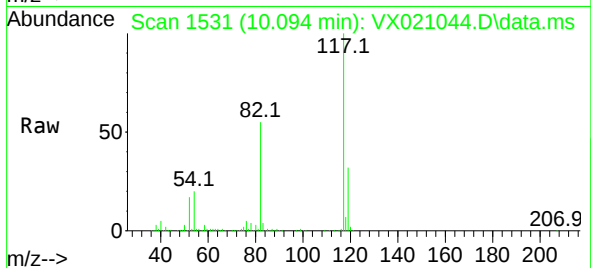




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

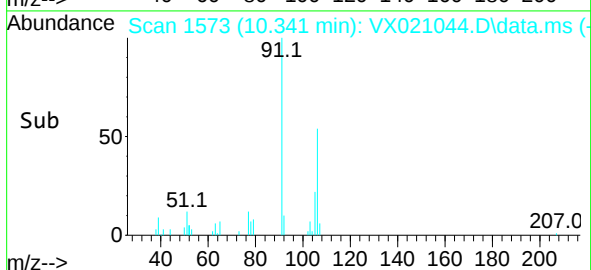
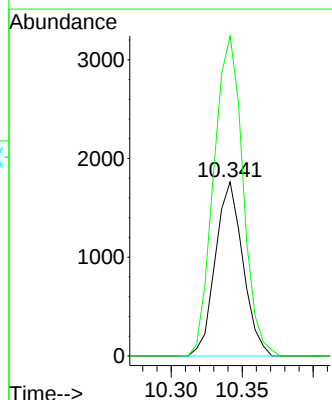
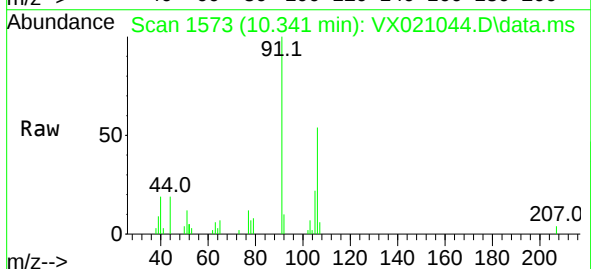
Instrument :
MSVOA_X
ClientSampleId :
IDW-GW807B-AQ-030421

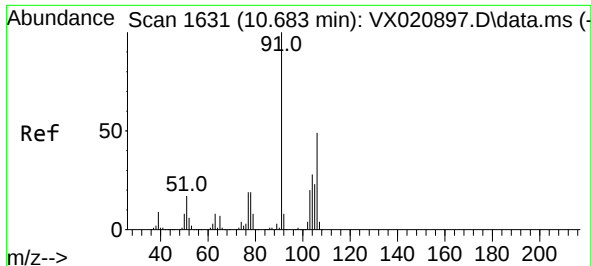
Tgt Ion:117 Resp: 411473
Ion Ratio Lower Upper
117 100
82 55.0 47.4 71.2
119 31.7 26.6 39.8



#68
m/p-Xylenes
Concen: 0.41 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

Tgt Ion:106 Resp: 2379
Ion Ratio Lower Upper
106 100
91 194.5 162.8 244.2

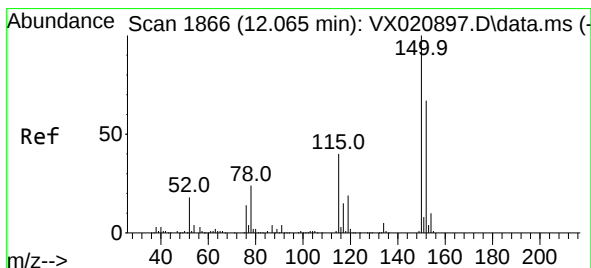
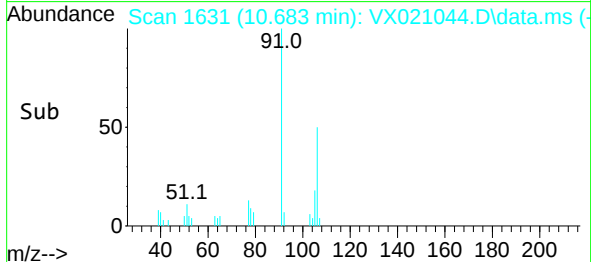
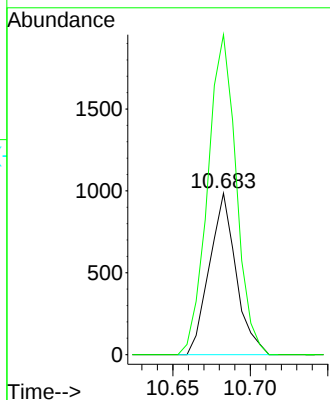
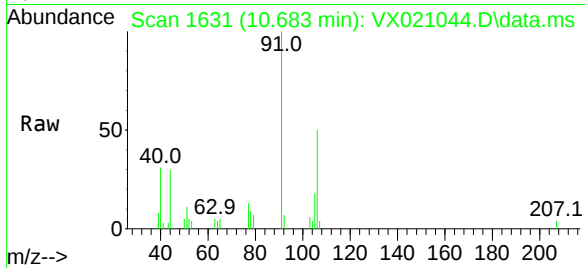




#69
o-Xylene
Concen: 0.21 ug/l
RT: 10.683 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

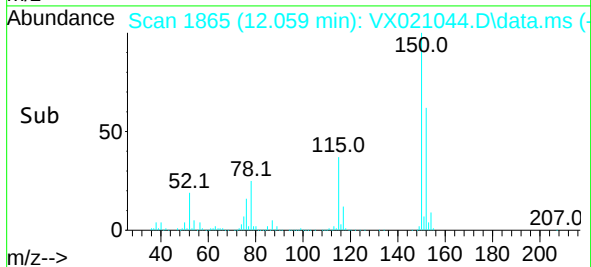
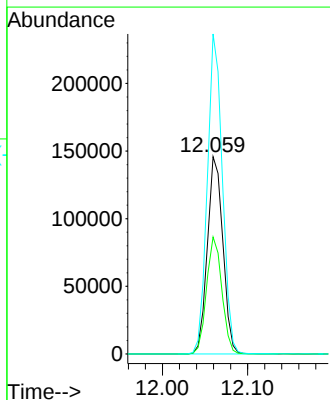
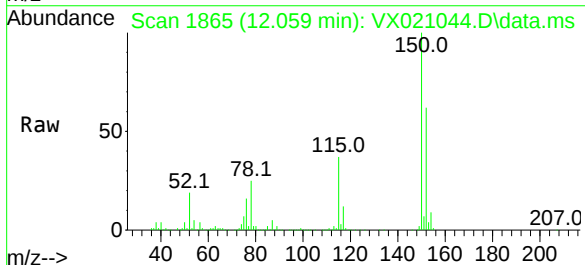
Instrument :
MSVOA_X
ClientSampleId :
IDW-GW807B-AQ-030421

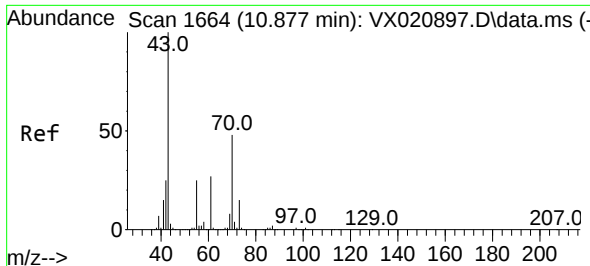
Tgt Ion:106 Resp: 1177
Ion Ratio Lower Upper
106 100
91 211.9 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

Tgt Ion:152 Resp: 184541
Ion Ratio Lower Upper
152 100
115 58.6 41.1 123.3
150 157.6 0.0 349.0

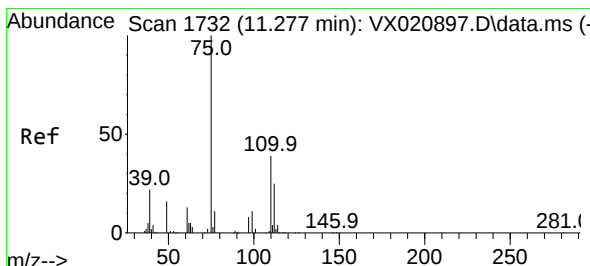
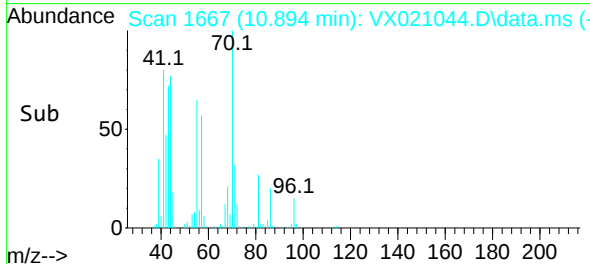
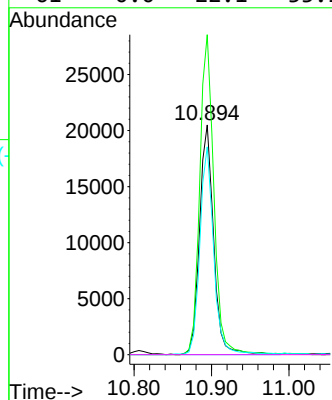
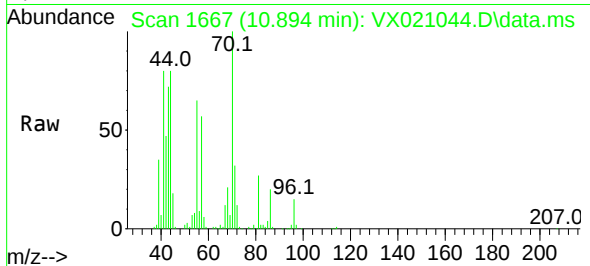




#74
N-amy1 acetate
Concen: 4.40 ug/l
RT: 10.894 min Scan# 1667
Delta R.T. 0.018 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

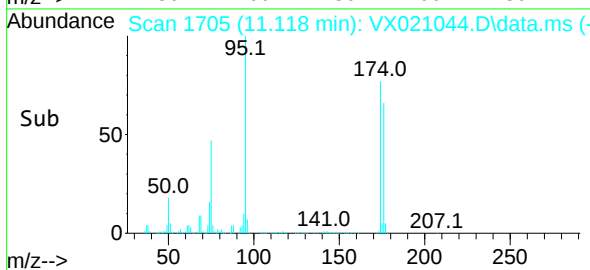
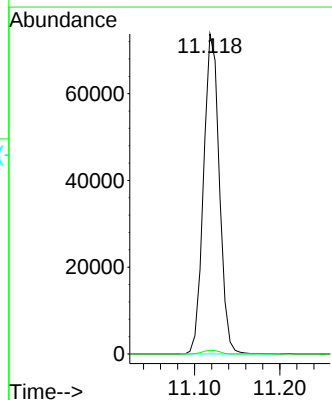
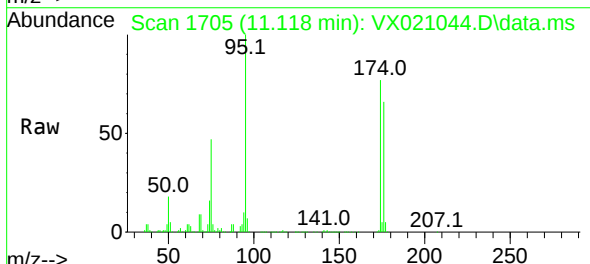
Instrument :
MSVOA_X
ClientSampleId :
IDW-GW807B-AQ-030421

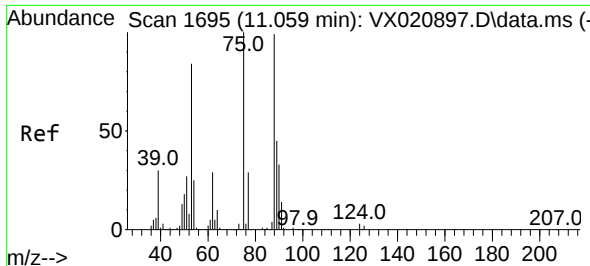
Tgt Ion: 43	Resp: 25974
Ion Ratio	Lower Upper
43 100	
70 138.7	39.0 58.6#
55 88.8	21.5 32.3#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 23.90 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

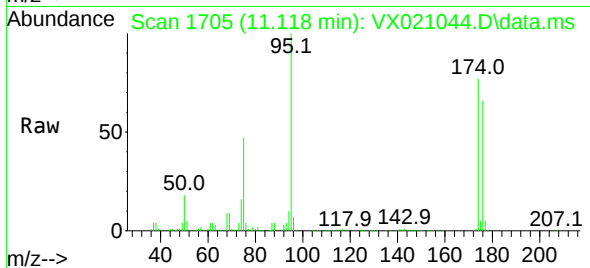
Tgt Ion: 75	Resp: 94876
Ion Ratio	Lower Upper
75 100	
77 1.2	19.1 57.5#



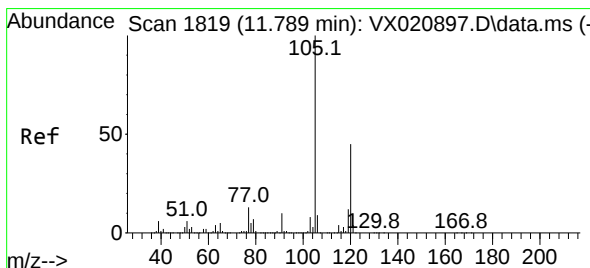
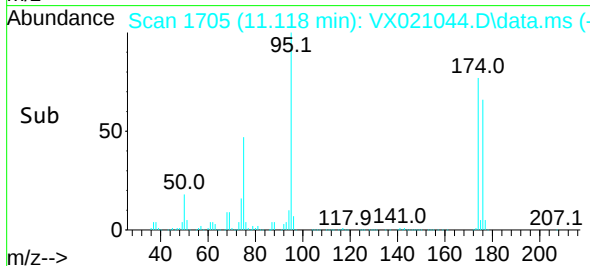
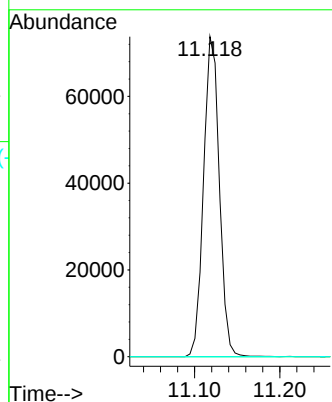


#81
trans-1,4-Dichloro-2-butene
Concen: 52.91 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

Instrument :
MSVOA_X
ClientSampleId :
IDW-GW807B-AQ-030421



Tgt Ion: 75 Resp: 94876
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.29 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VX021044.D
Acq: 05 Mar 2021 18:43

Tgt Ion: 105 Resp: 3520
Ion Ratio Lower Upper
105 100
120 45.0 22.4 67.3

