

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032521\
 Data File : VX021518.D
 Acq On : 26 Mar 2021 04:25
 Operator : JC/MD
 Sample : M1777-04 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 26 06:36:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

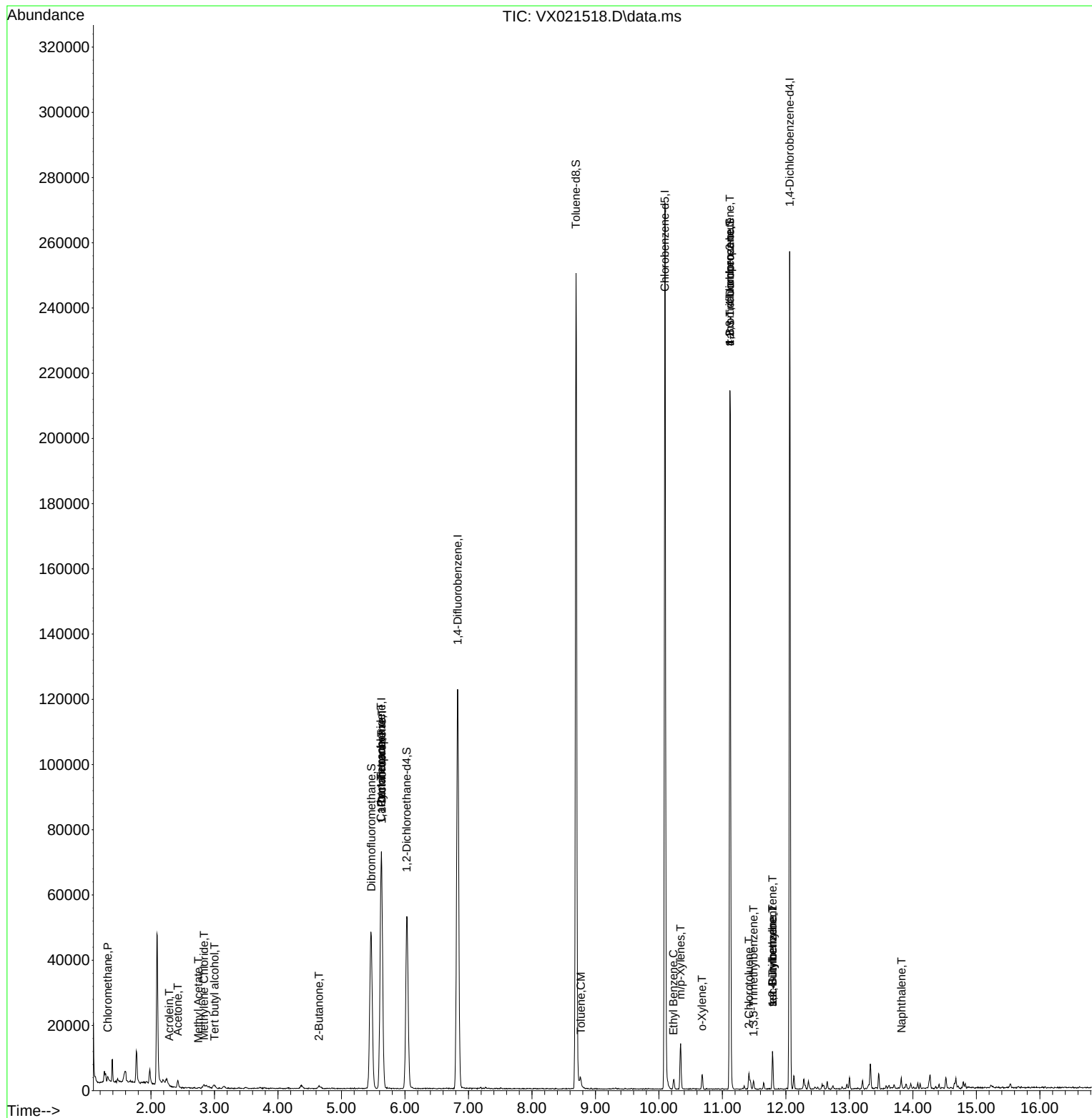
Internal Standards						
1) Pentafluorobenzene	5.629	168	62939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	113421	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	111330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	47836	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	52322	49.96	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.92%
35) Dibromofluoromethane	5.470	113	39633	49.19	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.38%
50) Toluene-d8	8.694	98	141978	49.45	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.90%
62) 4-Bromofluorobenzene	11.118	95	55992	50.16	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.32%
Target Compounds						
					Qvalue	
3) Chloromethane	1.317	50	2246	2.86	ug/l	96
11) Tert butyl alcohol	2.999	59	794	4.59	ug/l #	73
13) Acrolein	2.287	56	20	4.52	ug/l #	14
16) Acetone	2.423	43	2291	5.79	ug/l #	84
18) Methyl Acetate	2.746	43	339	0.30	ug/l #	47
20) Methylene Chloride	2.834	84	228	0.30	ug/l #	56
25) 2-Butanone	4.646	43	715	1.19	ug/l	90
31) Cyclohexane	5.629	56	1753	1.52	ug/l #	13
36) 1,1-Dichloropropene	5.635	75	5678	5.11	ug/l #	50
38) Carbon Tetrachloride	5.623	117	6744	5.65	ug/l #	16
52) Toluene	8.771	92	975	0.50	ug/l	89
67) Ethyl Benzene	10.230	91	1916	0.47	ug/l	100
68) m/p-Xylenes	10.341	106	3096	2.13	ug/l	98
69) o-Xylene	10.677	106	856	0.61	ug/l	85
76) 1,2,3-Trichloropropane	11.118	75	31852	28.60	ug/l #	38
79) 2-Chlorotoluene	11.418	91	551	0.23	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.489	105	1120	0.39	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.118	75	31852	87.12	ug/l #	12
83) tert-Butylbenzene	11.789	119	560	0.20	ug/l #	38
84) 1,2,4-Trimethylbenzene	11.789	105	4579	1.58	ug/l	96
85) sec-Butylbenzene	11.789	105	4579	1.42	ug/l #	57
95) Naphthalene	13.818	128	1905	0.61	ug/l	100

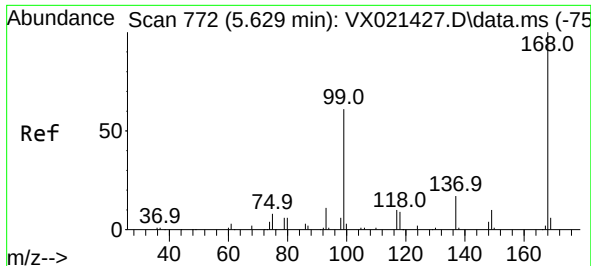
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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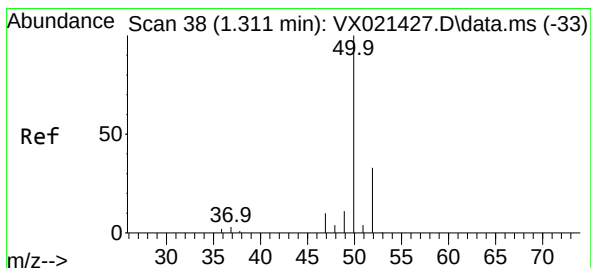
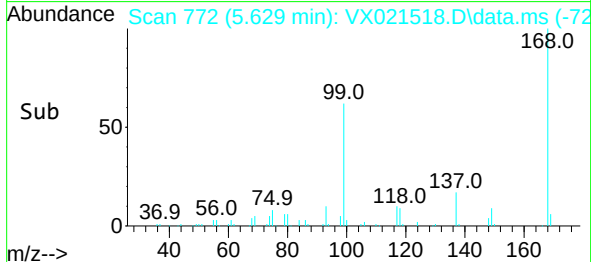
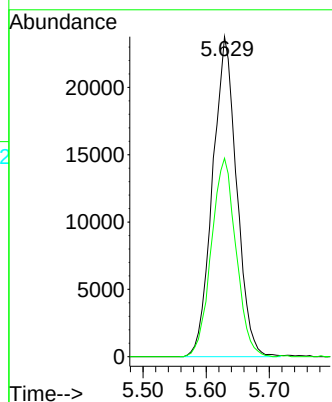
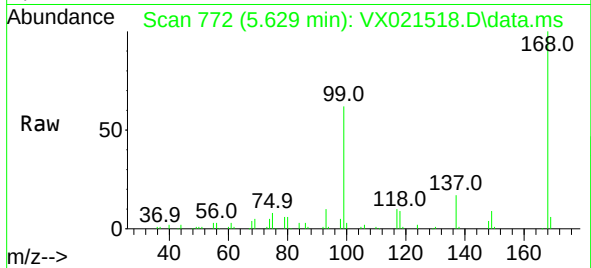




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

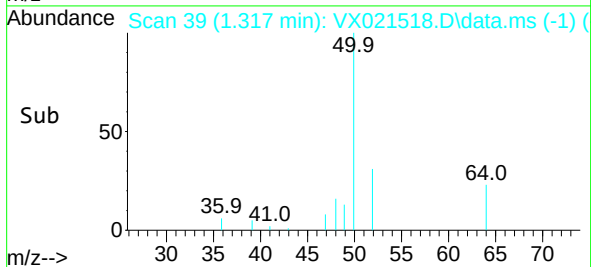
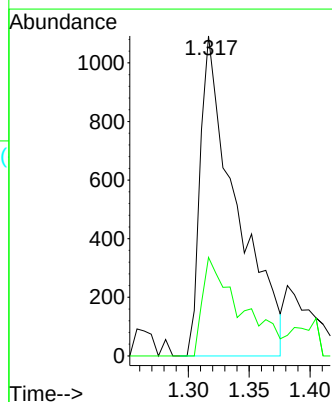
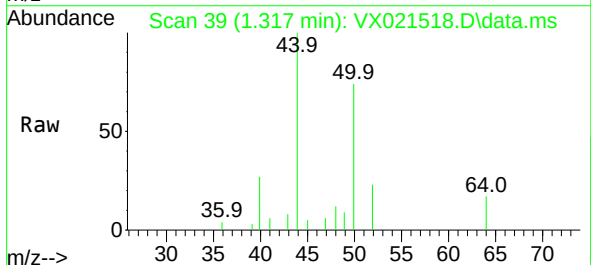
Instrument :
MSVOA_X
ClientSampled :

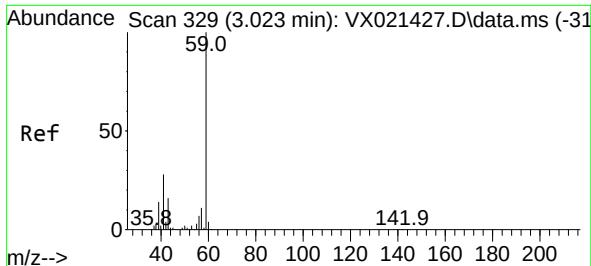
Tgt Ion:168 Resp: 62939
Ion Ratio Lower Upper
168 100
99 62.0 45.8 68.6



#3
Chloromethane
Concen: 2.86 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

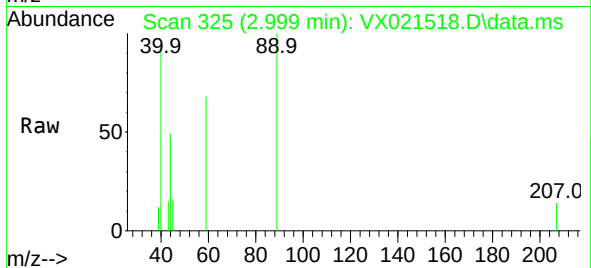
Tgt Ion: 50 Resp: 2246
Ion Ratio Lower Upper
50 100
52 30.8 26.4 39.6



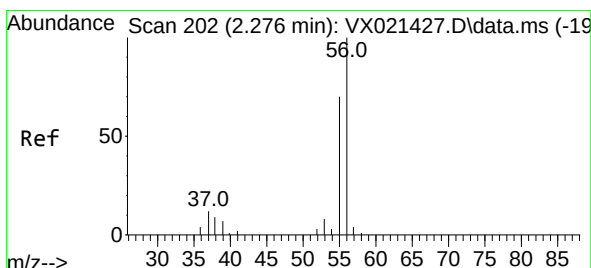
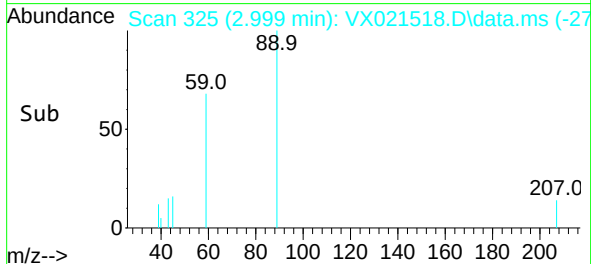
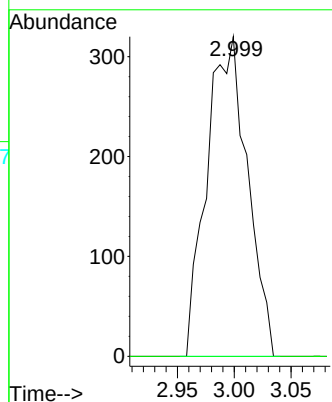


#11
Tert butyl alcohol
Concen: 4.59 ug/l
RT: 2.999 min Scan# 325
Delta R.T. -0.024 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

Instrument :
MSVOA_X
ClientSampled :

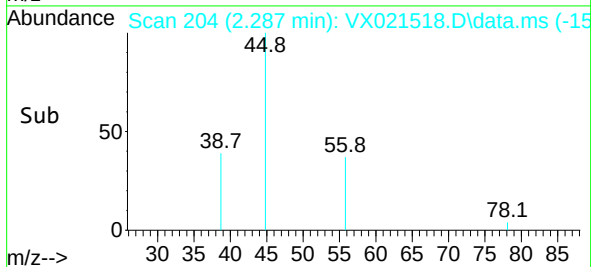
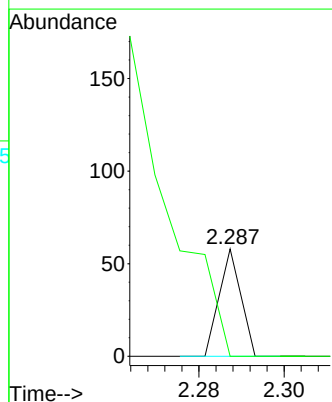
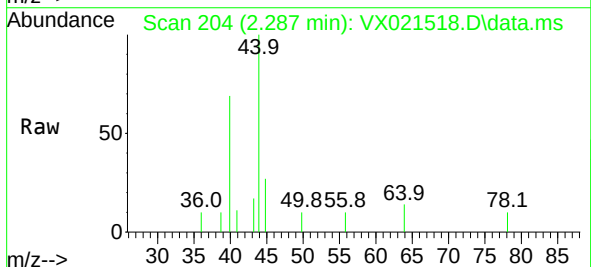


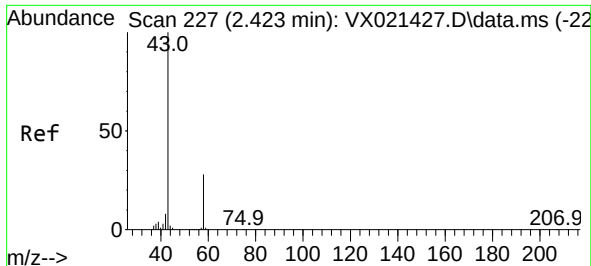
Tgt Ion: 59 Resp: 794
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 4.52 ug/l
RT: 2.287 min Scan# 204
Delta R.T. 0.011 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

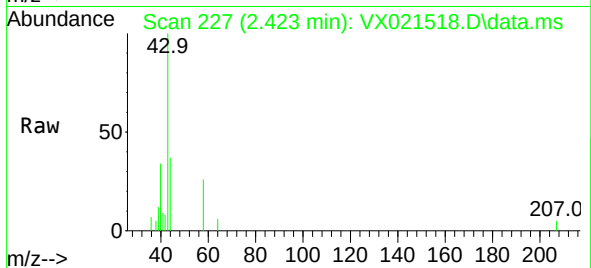
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



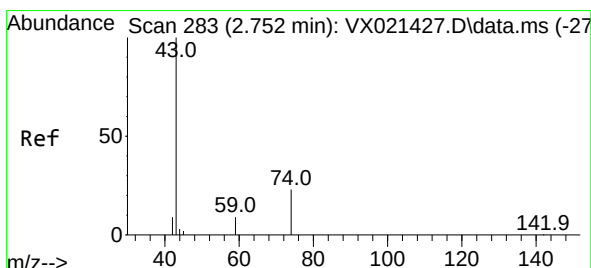
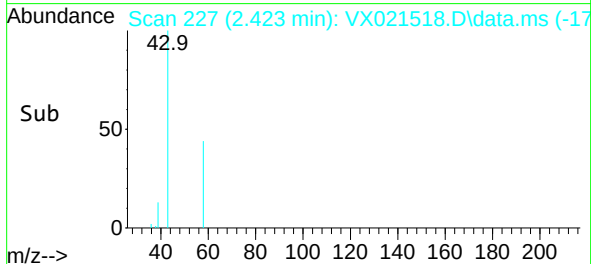
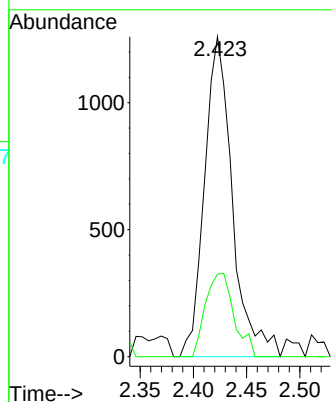


#16
Acetone
Concen: 5.79 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

Instrument :
MSVOA_X
ClientSampled :

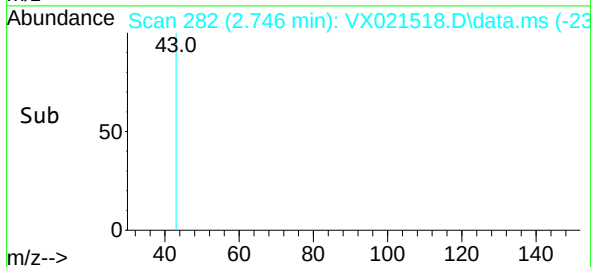
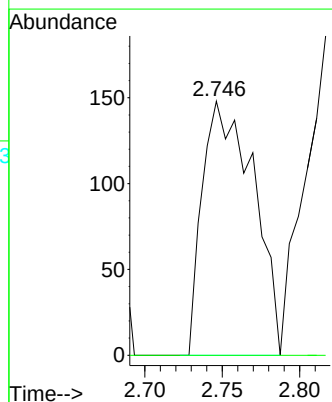
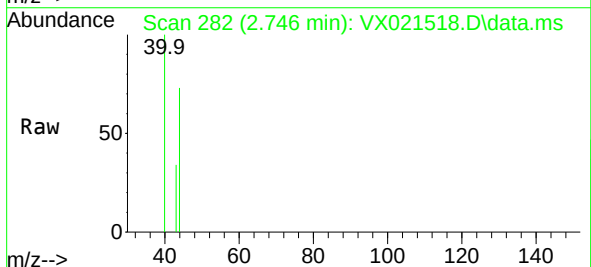


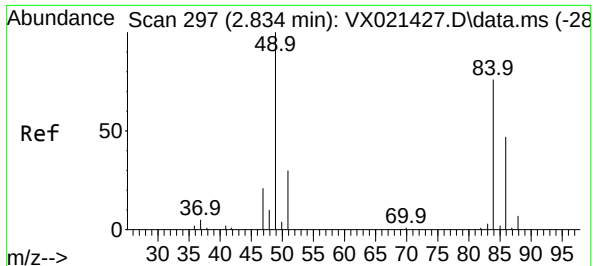
Tgt Ion: 43 Resp: 2291
Ion Ratio Lower Upper
43 100
58 25.8 27.8 41.8#



#18
Methyl Acetate
Concen: 0.30 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

Tgt Ion: 43 Resp: 339
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.30 ug/l

RT: 2.834 min Scan# 297

Delta R.T. 0.000 min

Lab File: VX021518.D

Acq: 26 Mar 2021 04:25

Tgt Ion: 84 Resp: 228

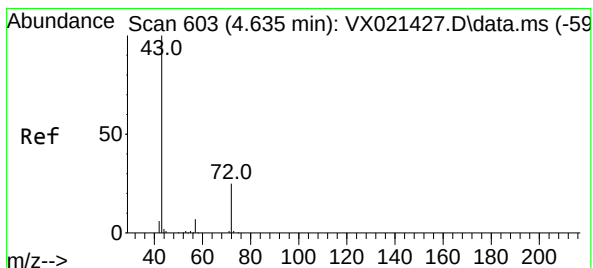
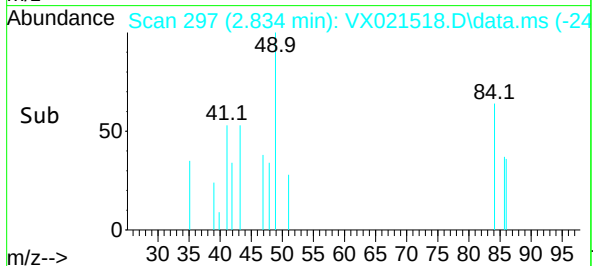
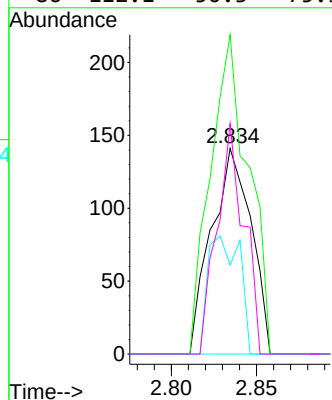
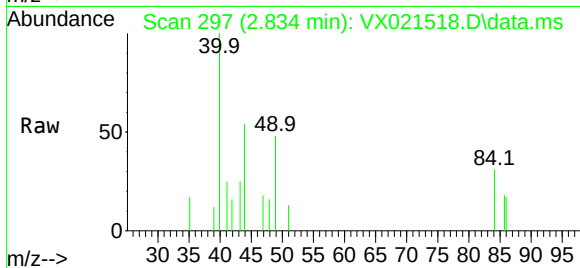
Ion Ratio Lower Upper

84 100

49 155.3 88.6 132.8#

51 43.3 27.0 40.6#

86 112.1 50.3 75.5#



#25

2-Butanone

Concen: 1.19 ug/l

RT: 4.646 min Scan# 605

Delta R.T. 0.011 min

Lab File: VX021518.D

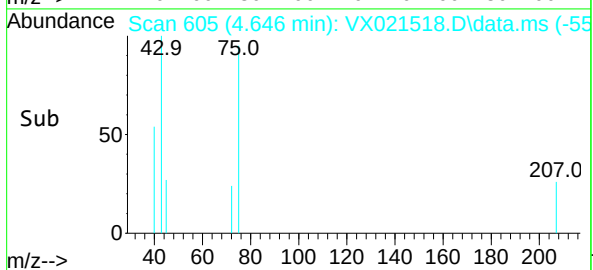
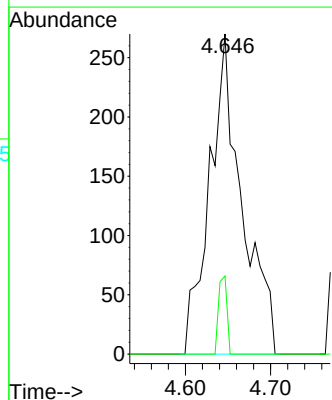
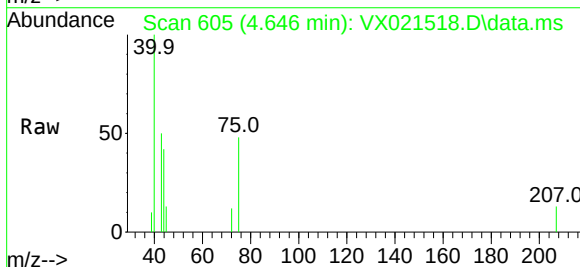
Acq: 26 Mar 2021 04:25

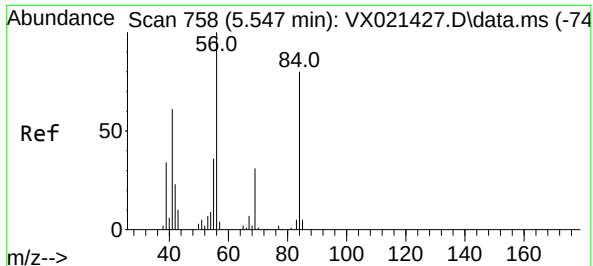
Tgt Ion: 43 Resp: 715

Ion Ratio Lower Upper

43 100

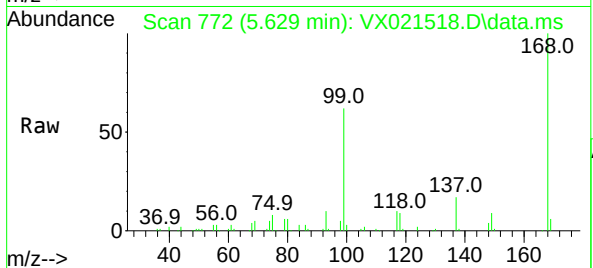
72 24.4 23.7 35.5



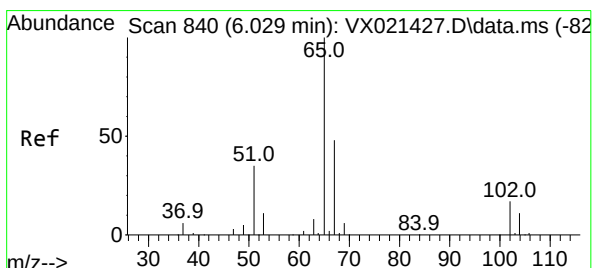
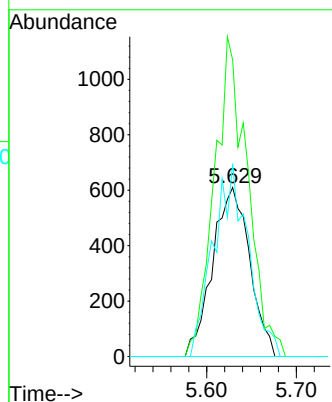
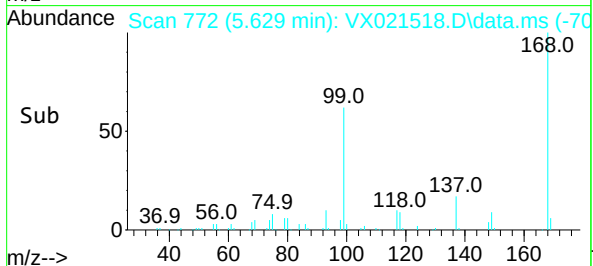


#31
Cyclohexane
Concen: 1.52 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

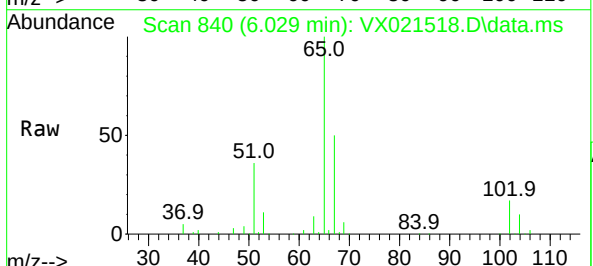
Instrument :
MSVOA_X
ClientSampleId :



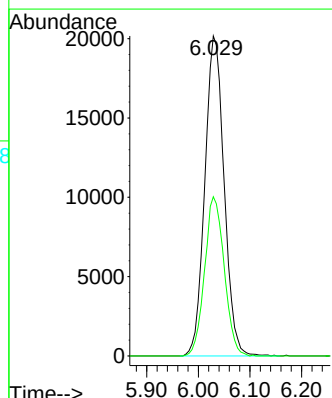
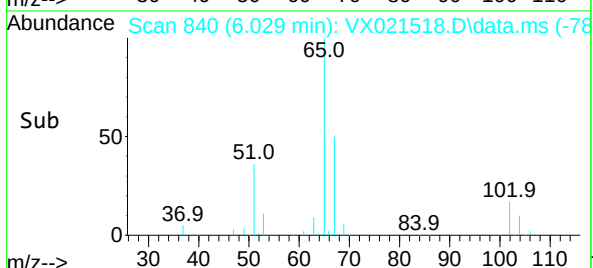
Tgt Ion: 56 Resp: 1753
Ion Ratio Lower Upper
56 100
69 175.4 25.3 37.9#
84 114.1 71.4 107.0#

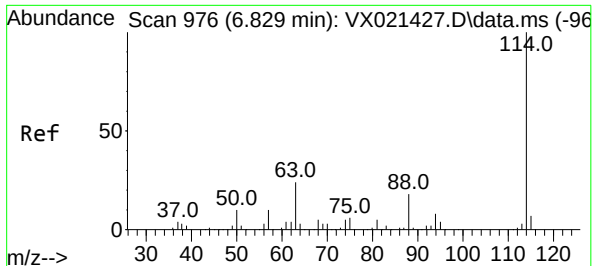


#33
1,2-Dichloroethane-d4
Concen: 49.96 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25



Tgt Ion: 65 Resp: 52322
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.4

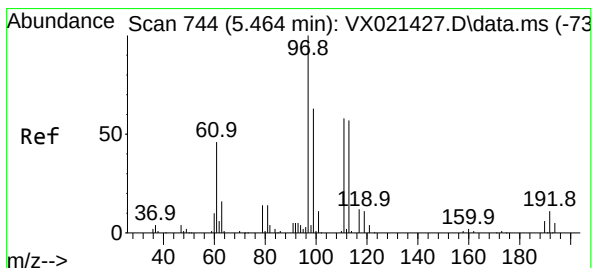
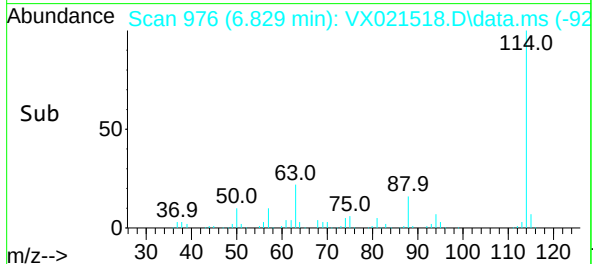
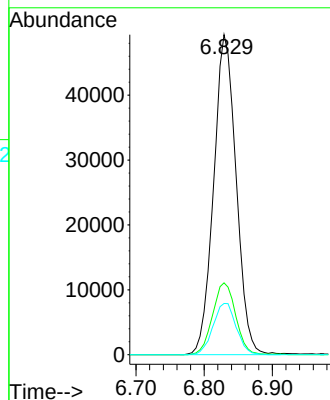
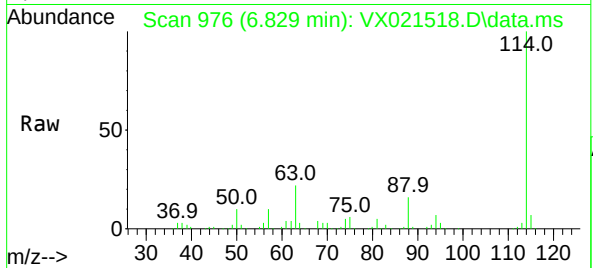




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

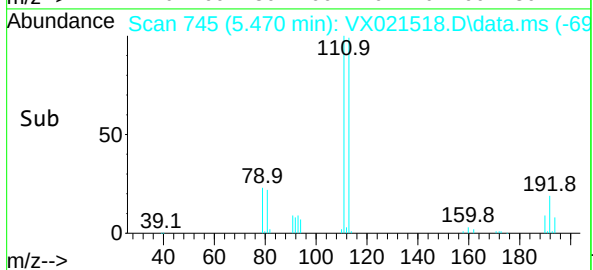
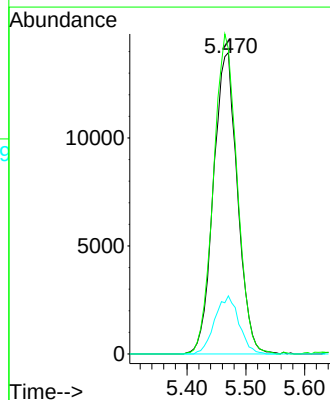
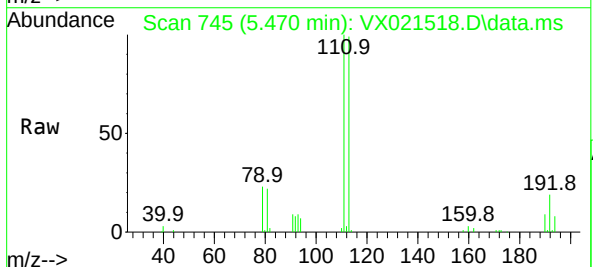
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MSVOA_X
ClientSampleId :

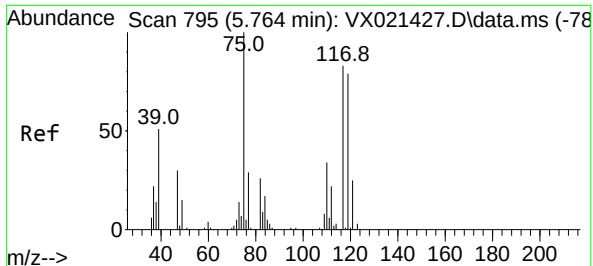
Tgt Ion:114 Resp: 113421
Ion Ratio Lower Upper
114 100
63 22.5 0.0 40.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.19 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

Tgt Ion:113 Resp: 39633
Ion Ratio Lower Upper
113 100
111 104.5 81.9 122.9
192 19.4 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.11 ug/l

RT: 5.635 min Scan# 773

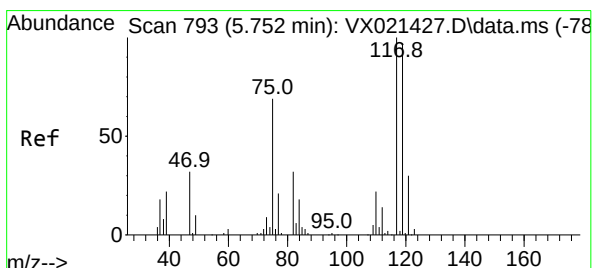
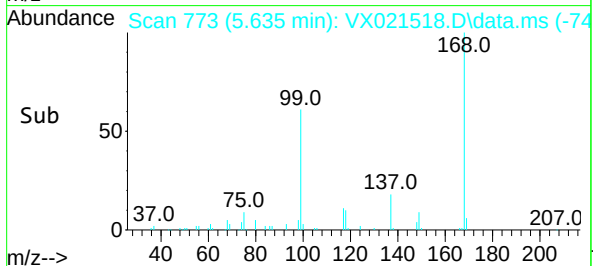
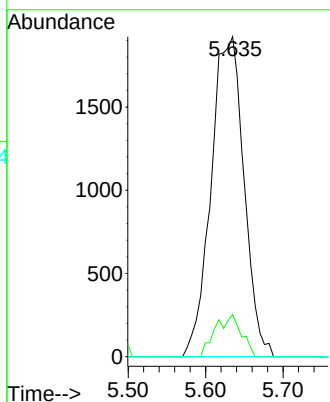
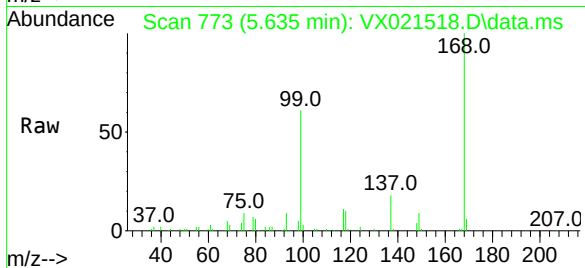
Delta R.T. -0.129 min

Lab File: VX021518.D

Acq: 26 Mar 2021 04:25

Tgt Ion:	75	Resp:	5678
Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.65 ug/l

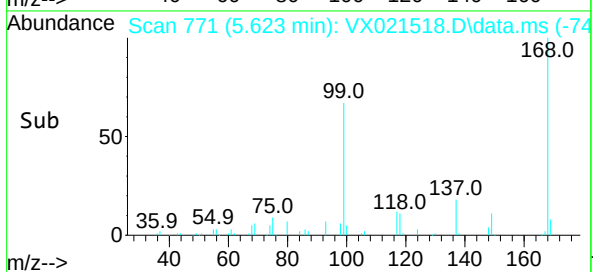
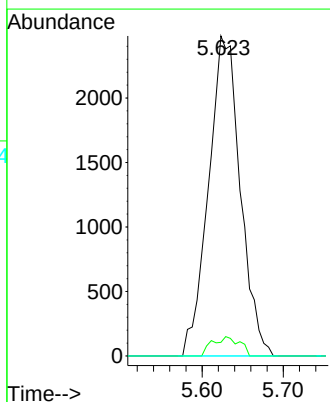
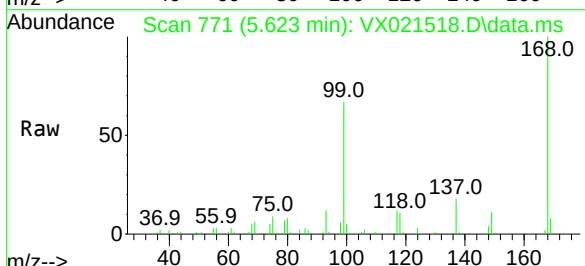
RT: 5.623 min Scan# 771

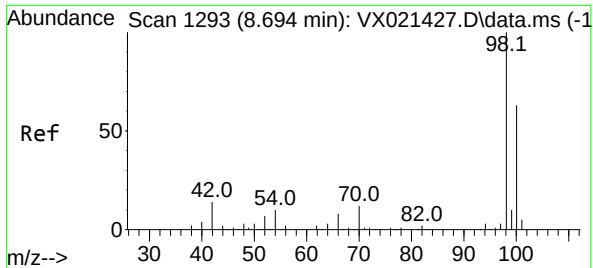
Delta R.T. -0.129 min

Lab File: VX021518.D

Acq: 26 Mar 2021 04:25

Tgt Ion:	117	Resp:	6744
Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.2	114.2#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 49.45 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.000 min

Lab File: VX021518.D

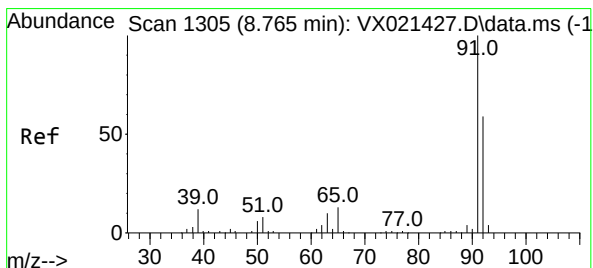
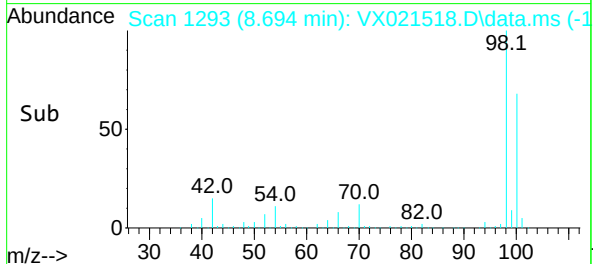
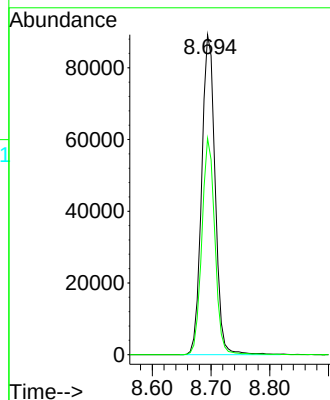
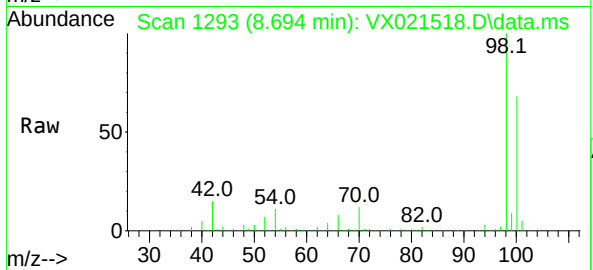
Acq: 26 Mar 2021 04:25

Tgt Ion: 98 Resp: 141978

Ion Ratio Lower Upper

98 100

100 65.5 51.9 77.9



#52

Toluene

Concen: 0.50 ug/l

RT: 8.771 min Scan# 1306

Delta R.T. 0.005 min

Lab File: VX021518.D

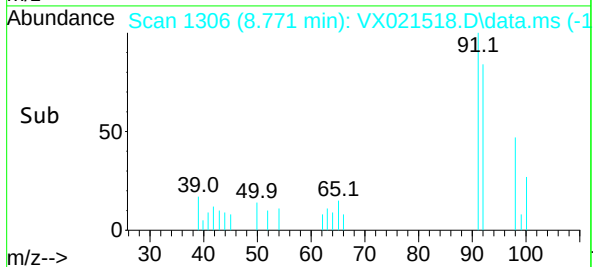
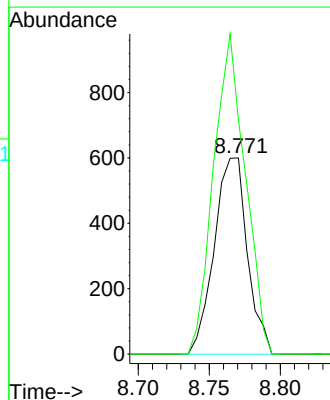
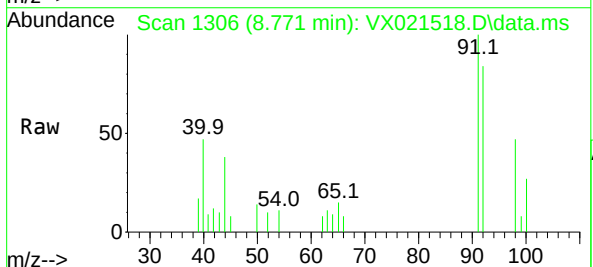
Acq: 26 Mar 2021 04:25

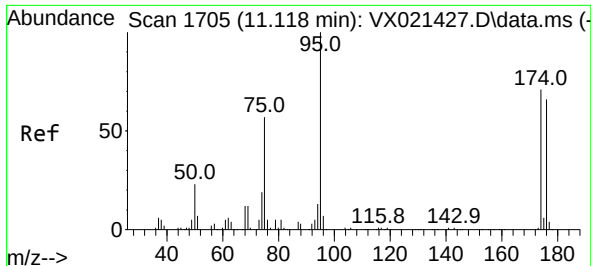
Tgt Ion: 92 Resp: 975

Ion Ratio Lower Upper

92 100

91 156.2 137.1 205.7

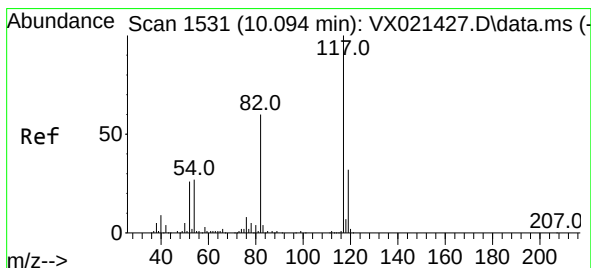
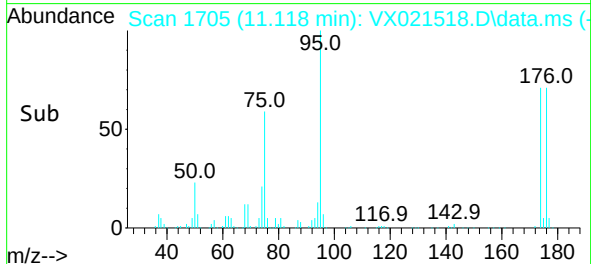
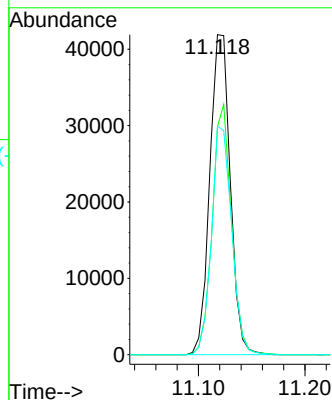
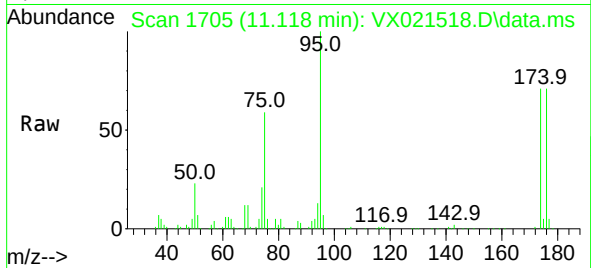




#62
4-Bromofluorobenzene
Concen: 50.16 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

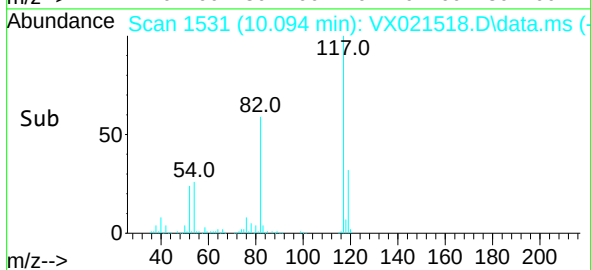
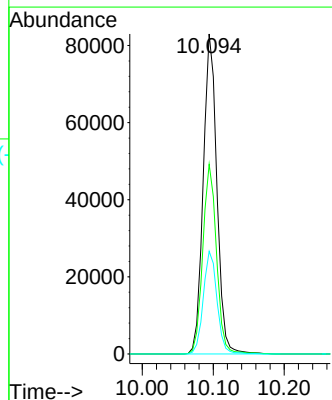
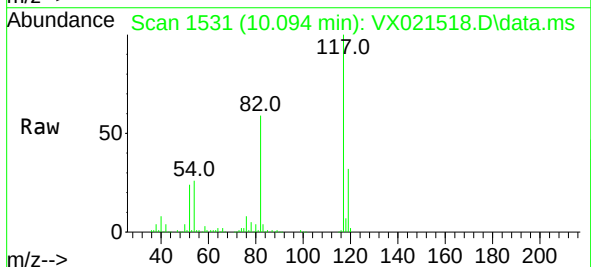
Instrument :
MSVOA_X
ClientSampleId :

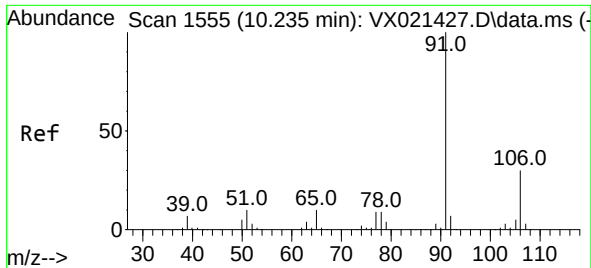
Tgt Ion: 95 Resp: 55992
Ion Ratio Lower Upper
95 100
174 73.3 0.0 154.6
176 70.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

Tgt Ion: 117 Resp: 111330
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.2
119 32.1 26.6 39.8

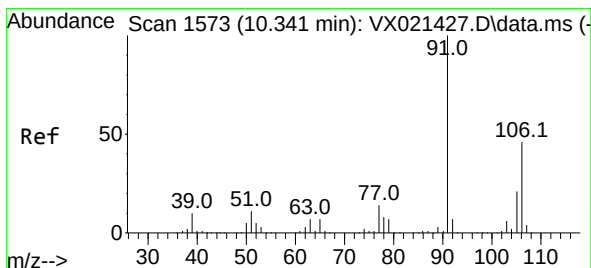
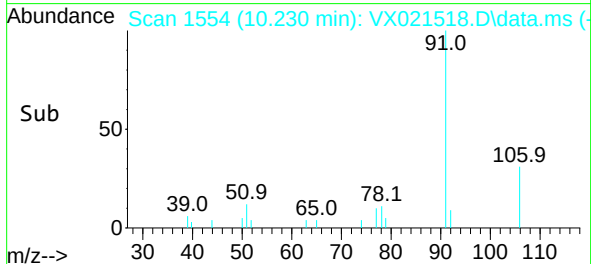
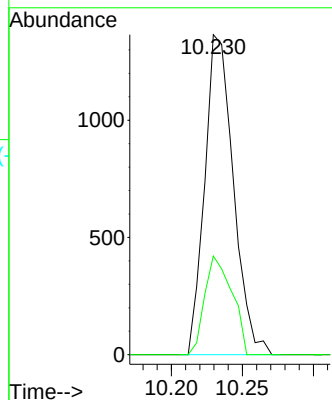
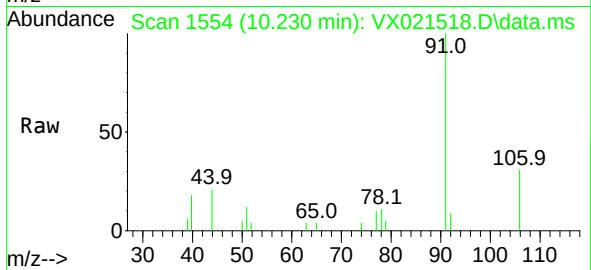




#67
Ethyl Benzene
Concen: 0.47 ug/l
RT: 10.230 min Scan# 1554
Delta R.T. -0.005 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

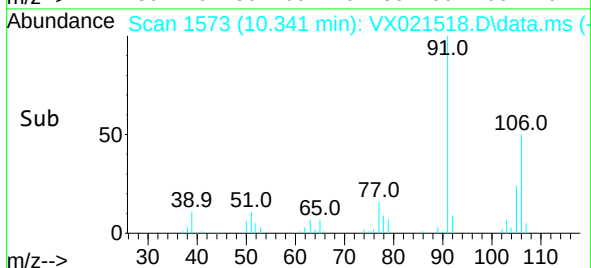
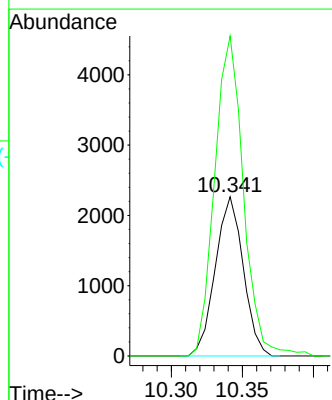
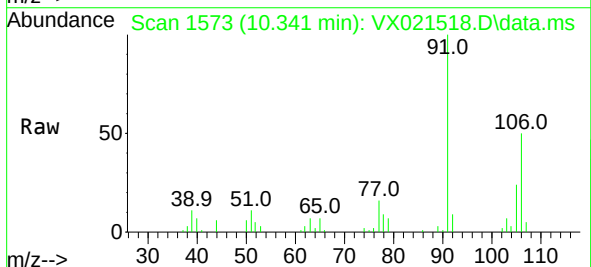
Instrument :
MSVOA_X
ClientSampled :

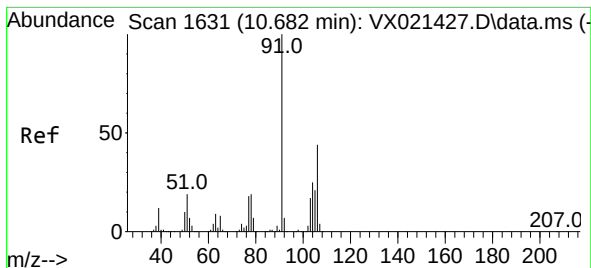
Tgt Ion: 91 Resp: 1916
Ion Ratio Lower Upper
91 100
106 30.8 24.6 37.0



#68
m/p-Xylenes
Concen: 2.13 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

Tgt Ion: 106 Resp: 3096
Ion Ratio Lower Upper
106 100
91 207.0 162.8 244.2

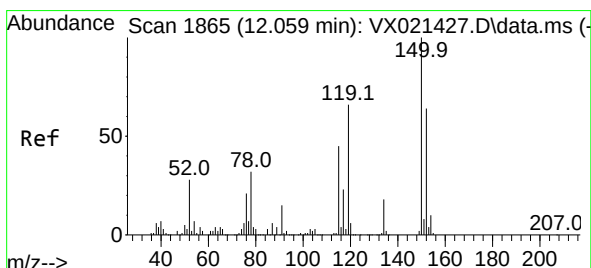
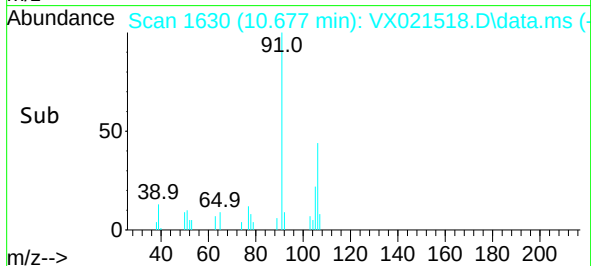
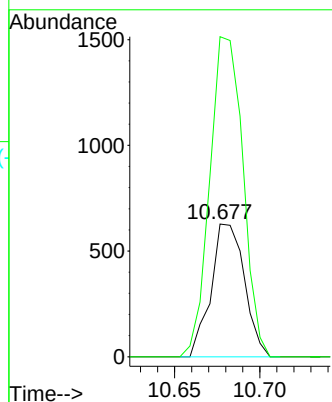
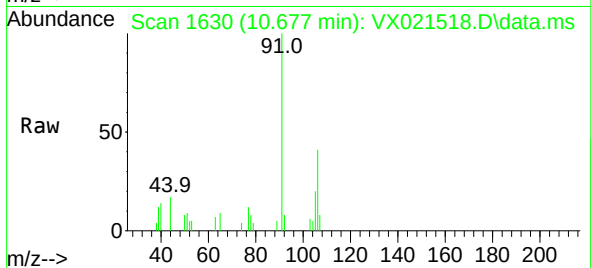




#69
o-Xylene
Concen: 0.61 ug/l
RT: 10.677 min Scan# 1630
Delta R.T. -0.005 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

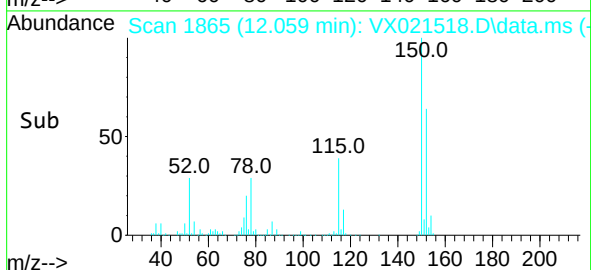
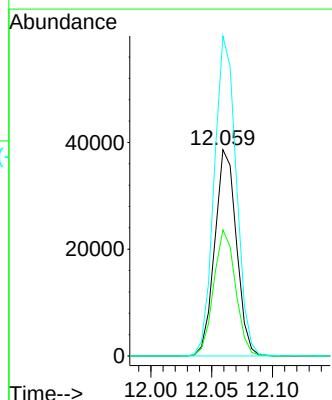
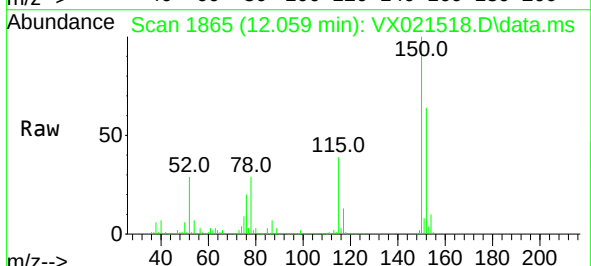
Instrument :
MSVOA_X
ClientSampled :

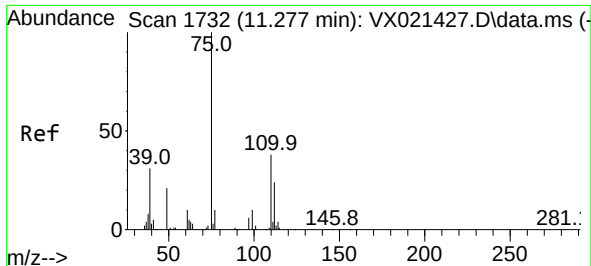
Tgt Ion:106 Resp: 856
Ion Ratio Lower Upper
106 100
91 239.7 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

Tgt Ion:152 Resp: 47836
Ion Ratio Lower Upper
152 100
115 61.4 41.1 123.3
150 157.6 0.0 349.0

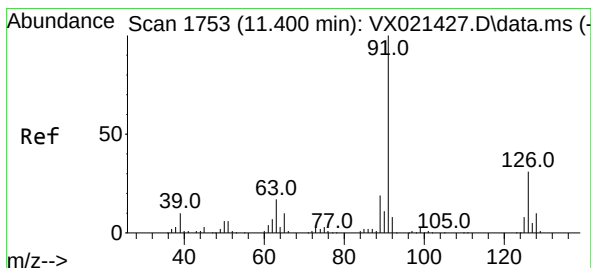
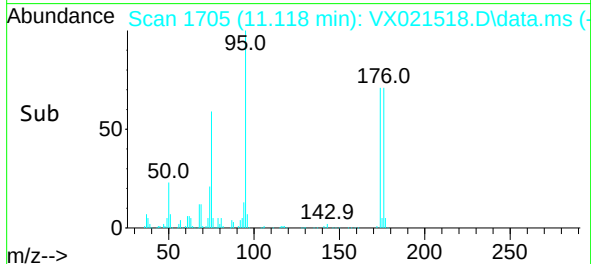
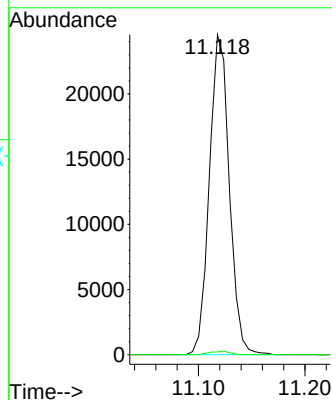
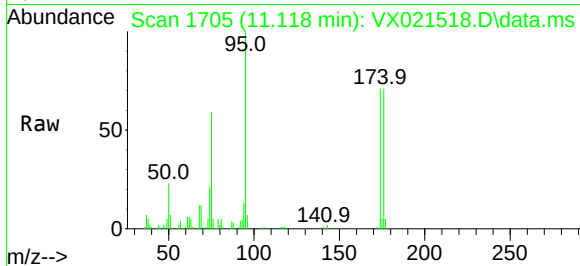




#76
1,2,3-Trichloropropane
Concen: 28.60 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

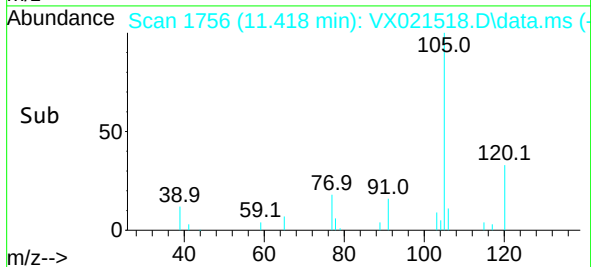
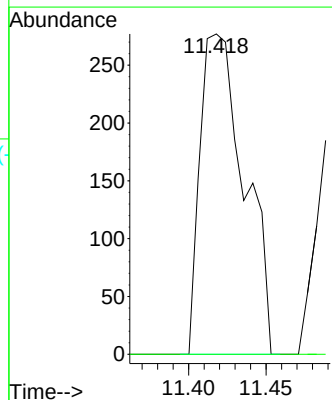
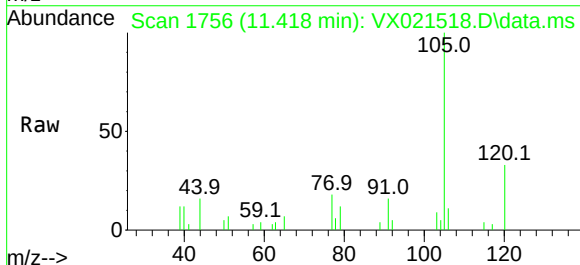
Instrument :
MSVOA_X
ClientSampleId :

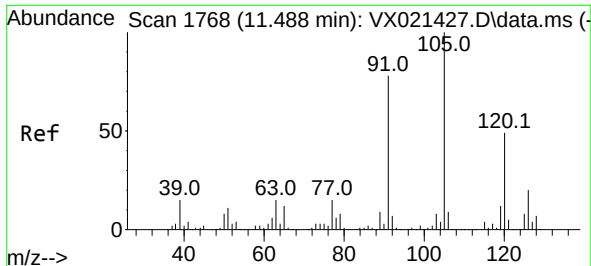
Tgt Ion: 75 Resp: 31852
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#79
2-Chlorotoluene
Concen: 0.23 ug/l
RT: 11.418 min Scan# 1756
Delta R.T. 0.018 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

Tgt Ion: 91 Resp: 551
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#

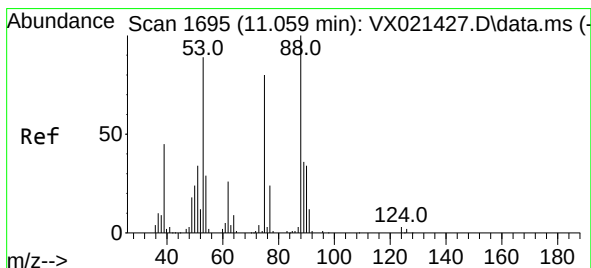
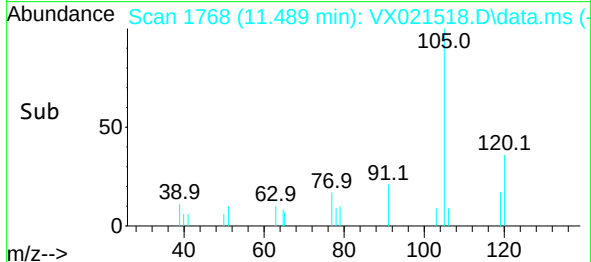
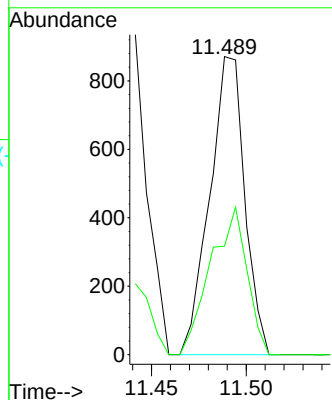
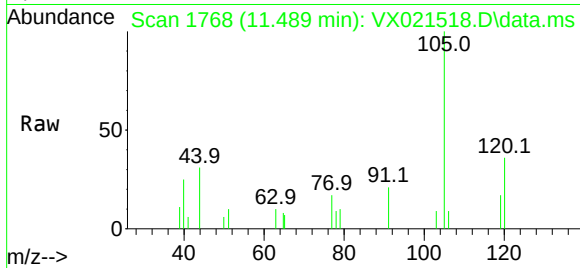




#80
1,3,5-Trimethylbenzene
Concen: 0.39 ug/l
RT: 11.489 min Scan# 1768
Delta R.T. 0.001 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

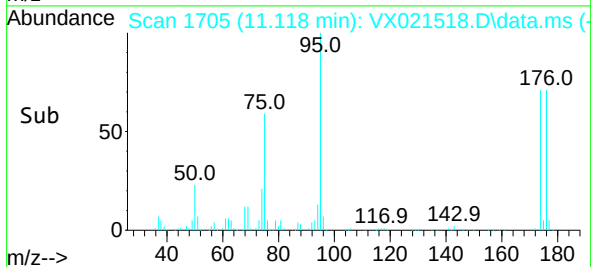
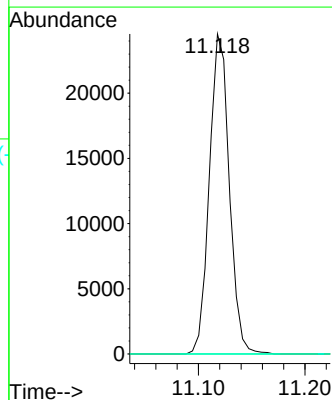
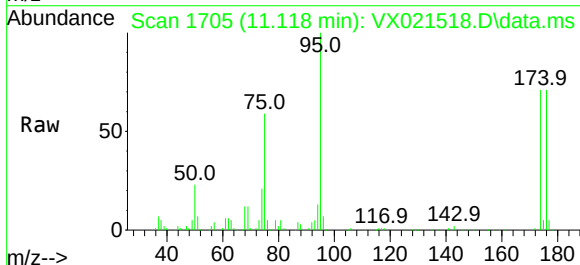
Instrument :
MSVOA_X
ClientSampled :

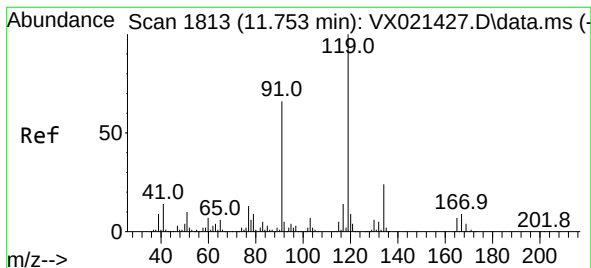
Tgt Ion:105 Resp: 1120
Ion Ratio Lower Upper
105 100
120 51.6 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 87.12 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

Tgt Ion: 75 Resp: 31852
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

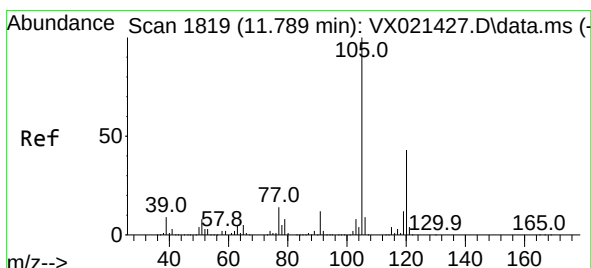
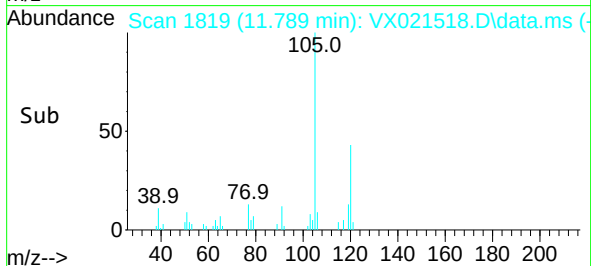
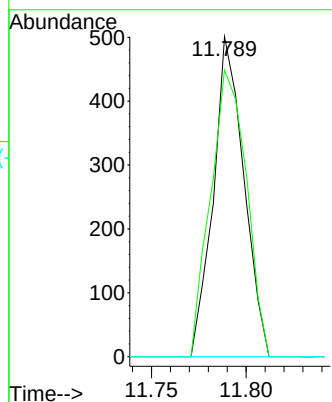
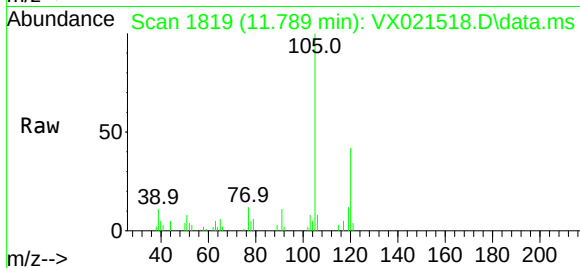




#83
tert-Butylbenzene
Concen: 0.20 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. 0.036 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

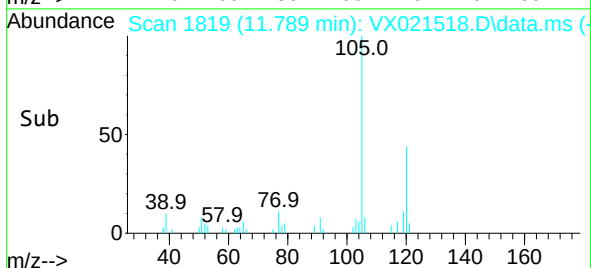
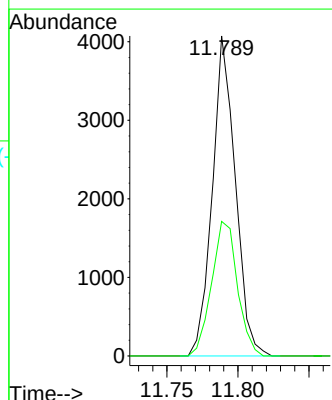
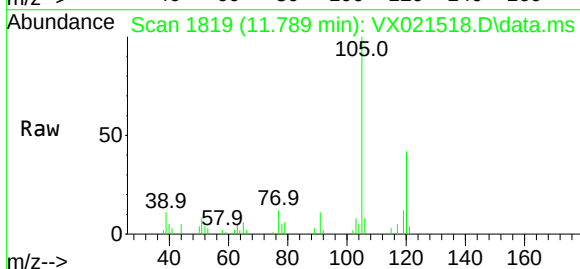
Instrument :
MSVOA_X
ClientSampled :

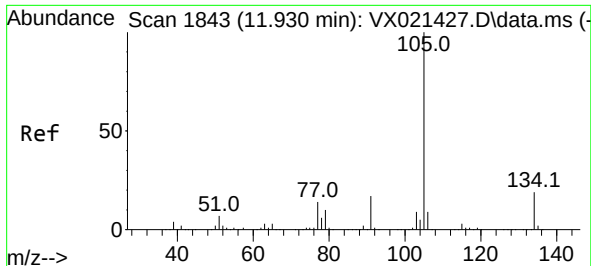
Tgt Ion:119 Resp: 560
Ion Ratio Lower Upper
119 100
91 105.2 27.9 83.7#
134 0.0 11.3 33.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.58 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VX021518.D
Acq: 26 Mar 2021 04:25

Tgt Ion:105 Resp: 4579
Ion Ratio Lower Upper
105 100
120 47.2 22.4 67.3

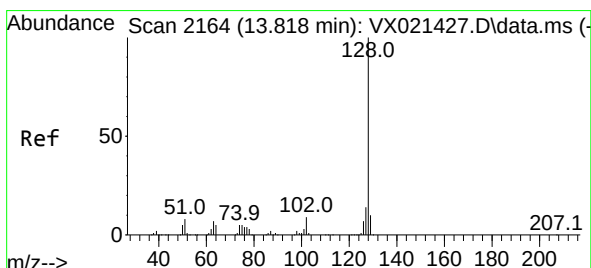
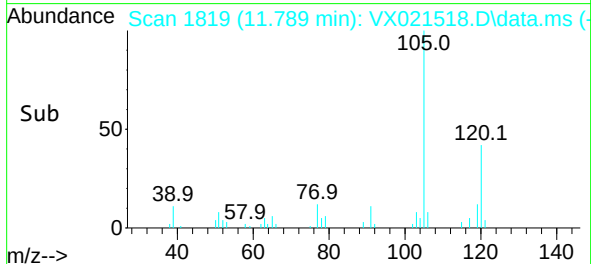
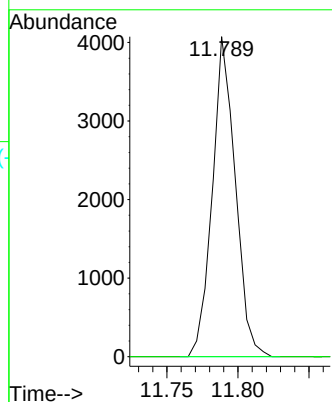
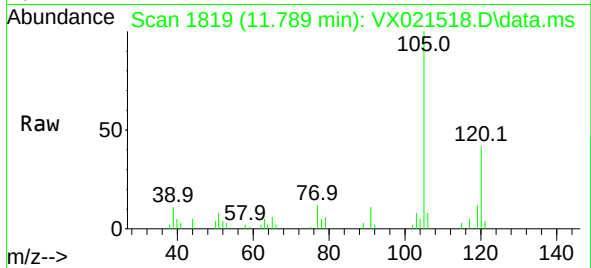




#85
 sec-Butylbenzene
 Concen: 1.42 ug/l
 RT: 11.789 min Scan# 1819
 Delta R.T. -0.141 min
 Lab File: VX021518.D
 Acq: 26 Mar 2021 04:25

Instrument :
 MSVOA_X
 ClientSampled :

Tgt Ion:105 Resp: 4579
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#



#95
 Naphthalene
 Concen: 0.61 ug/l
 RT: 13.818 min Scan# 2164
 Delta R.T. 0.000 min
 Lab File: VX021518.D
 Acq: 26 Mar 2021 04:25

Tgt Ion:128 Resp: 1905
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.3 15.5
 129 10.7 8.8 13.2

