

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033121\
 Data File : VX021697.D
 Acq On : 31 Mar 2021 19:45
 Operator : JC/MD
 Sample : M1872-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-GIS

Quant Time: Apr 01 03:30:38 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)

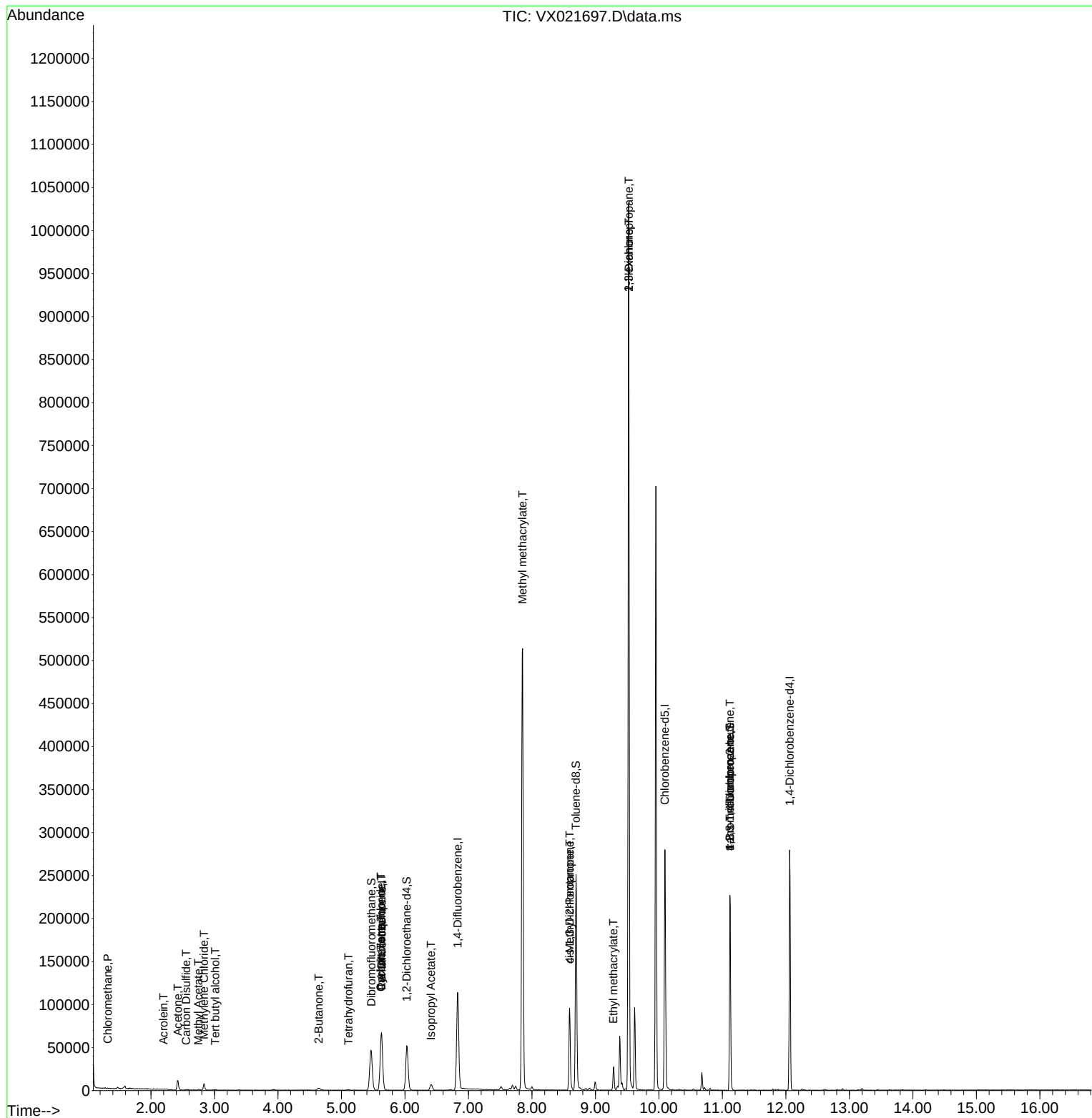
Internal Standards						
1) Pentafluorobenzene	5.635	168	58036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	107204	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	117427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	52447	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	50512	52.31	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.62%
35) Dibromofluoromethane	5.470	113	39134	51.39	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.78%
50) Toluene-d8	8.694	98	142280	52.43	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.86%
62) 4-Bromofluorobenzene	11.118	95	57711	54.70	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.40%
Target Compounds						
					Qvalue	
3) Chloromethane	1.317	50	1126	1.58	ug/l	98
11) Tert butyl alcohol	3.011	59	648	4.06	ug/l #	73
13) Acrolein	2.199	56	19	4.53	ug/l #	26
16) Acetone	2.423	43	12384	33.92	ug/l #	85
17) Carbon Disulfide	2.552	76	664	0.40	ug/l #	80
18) Methyl Acetate	2.746	43	1060	1.00	ug/l #	76
20) Methylene Chloride	2.834	84	2824	3.96	ug/l #	81
25) 2-Butanone	4.640	43	3998	7.22	ug/l	92
29) Tetrahydrofuran	5.111	42	530	1.48	ug/l #	40
31) Cyclohexane	5.623	56	1773	1.67	ug/l #	47
36) 1,1-Dichloropropene	5.629	75	5384	5.13	ug/l #	49
38) Carbon Tetrachloride	5.623	117	6420	5.69	ug/l #	16
43) Isopropyl Acetate	6.411	43	8907	4.52	ug/l #	91
48) Methyl methacrylate	7.853	41	49003	46.58	ug/l #	37
51) 4-Methyl-2-Pentanone	8.594	43	33044	27.24	ug/l #	45
54) cis-1,3-Dichloropropene	8.594	75	13086	10.16	ug/l #	73
56) Ethyl methacrylate	9.282	69	76	2.14	ug/l #	1
57) 1,3-Dichloropropane	9.523	76	7876	5.92	ug/l #	42
59) 2-Hexanone	9.523	43	123299	135.37	ug/l #	42
76) 1,2,3-Trichloropropane	11.118	75	31907	26.13	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	31907	79.60	ug/l #	12

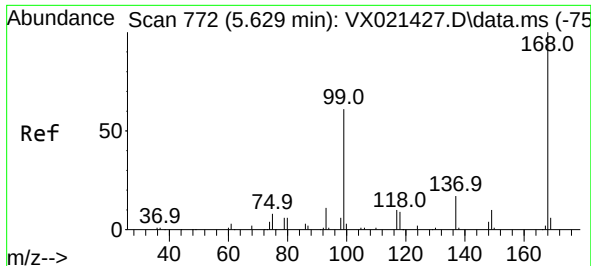
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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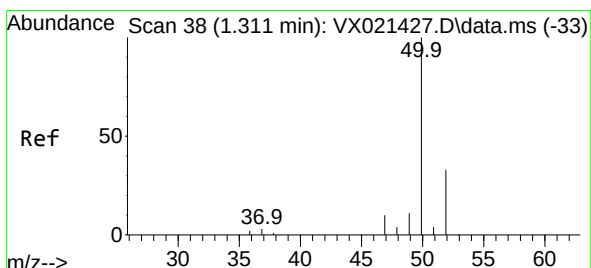
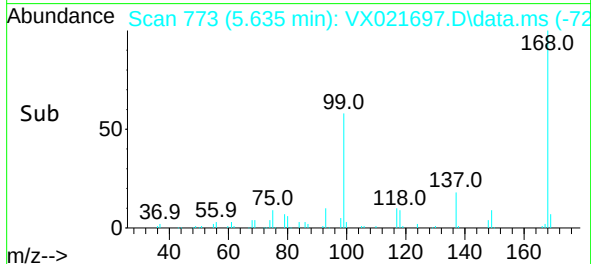
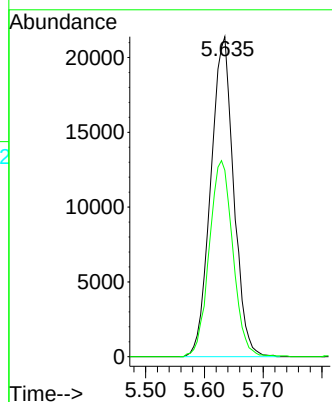
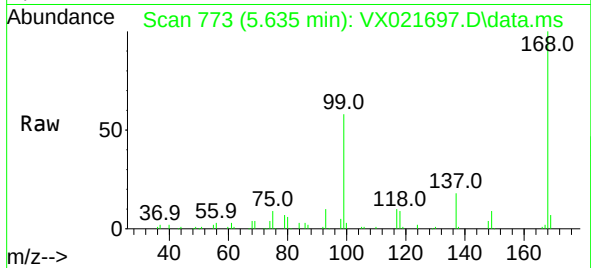




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.006 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

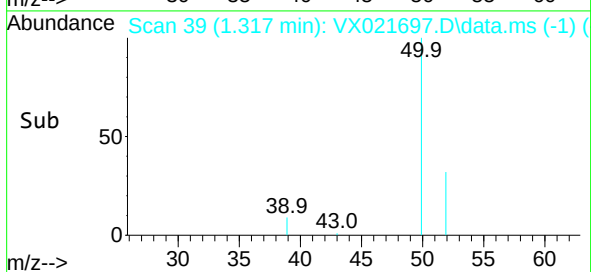
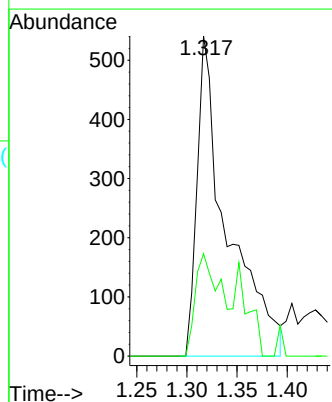
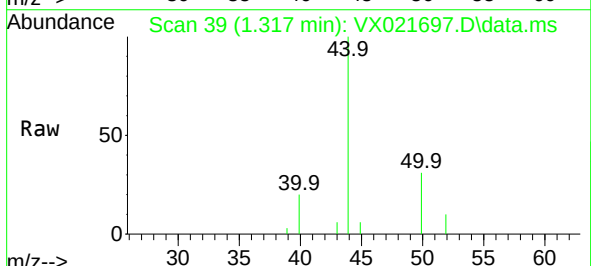
Instrument :
MSVOA_X
ClientSampleId :
SP-GIS

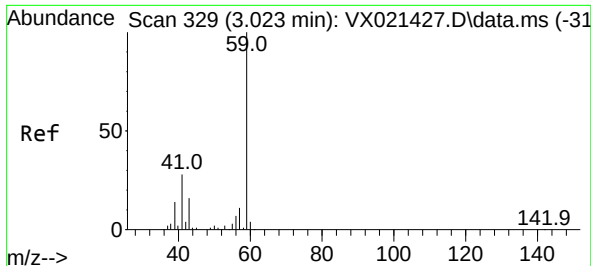
Tgt Ion:168 Resp: 58036
Ion Ratio Lower Upper
168 100
99 58.2 45.8 68.6



#3
Chloromethane
Concen: 1.58 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

Tgt Ion: 50 Resp: 1126
Ion Ratio Lower Upper
50 100
52 32.0 26.4 39.6



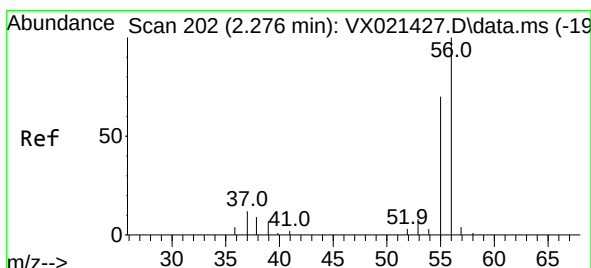
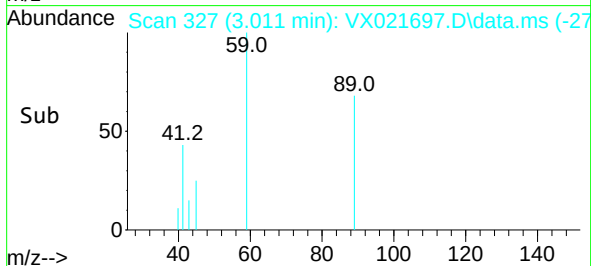
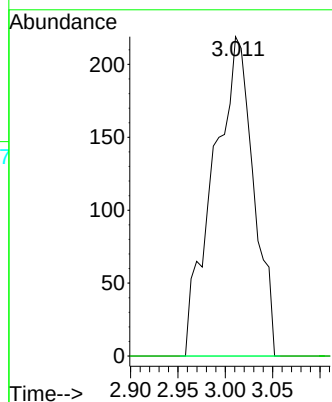
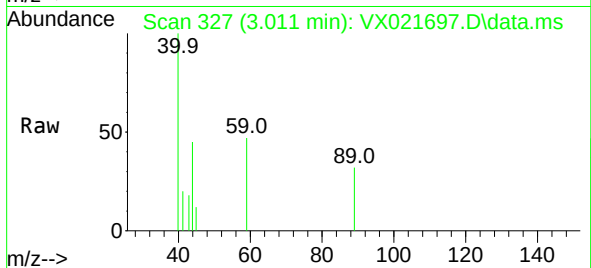


#11

Tert butyl alcohol
Concen: 4.06 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.012 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

Instrument :
MSVOA_X
ClientSampled :
SP-GIS

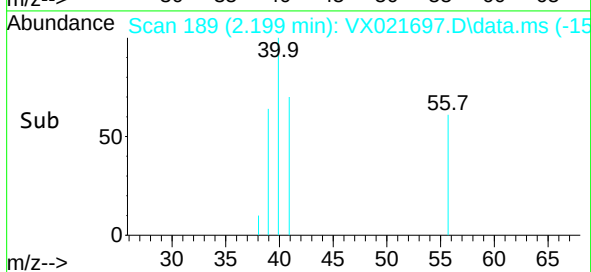
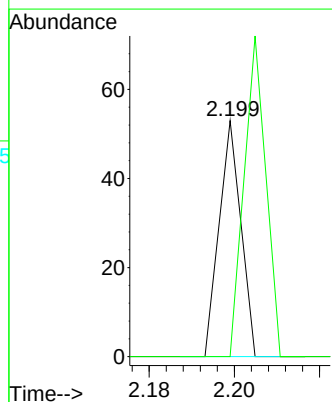
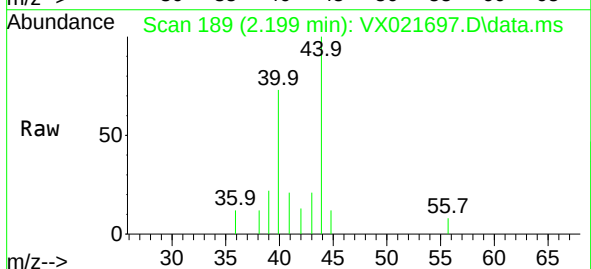
Tgt Ion: 59 Resp: 648
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

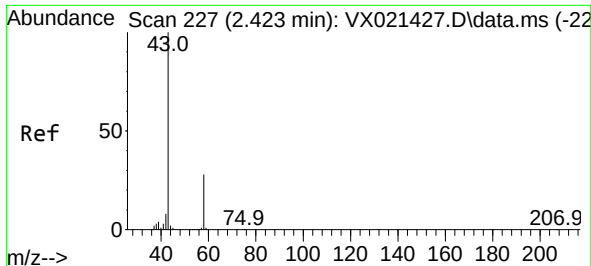


#13

Acrolein
Concen: 4.53 ug/l
RT: 2.199 min Scan# 189
Delta R.T. -0.077 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 131.6 56.4 84.6#

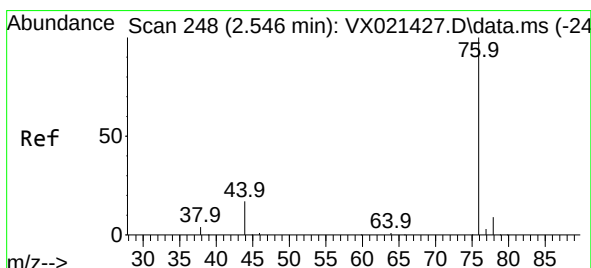
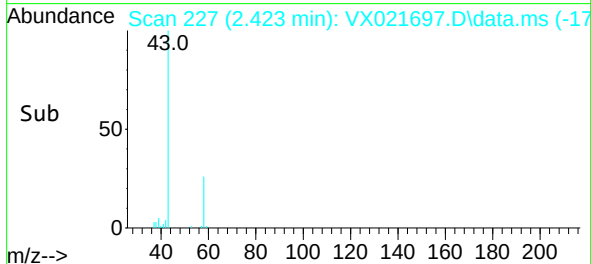
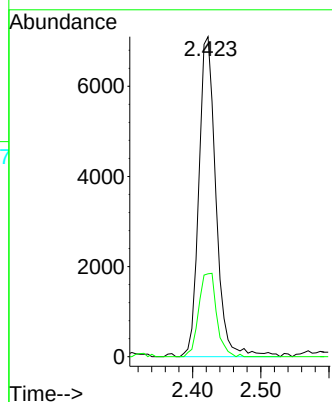
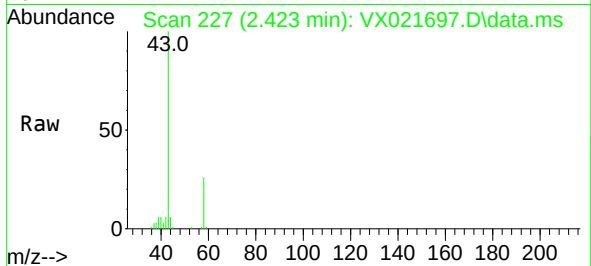




#16
Acetone
Concen: 33.92 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

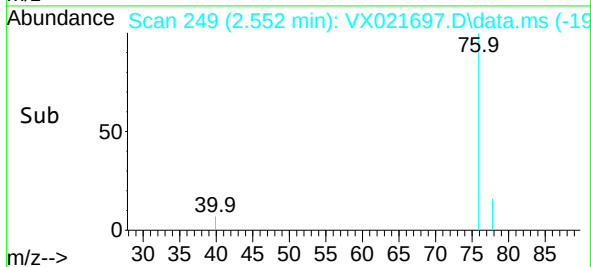
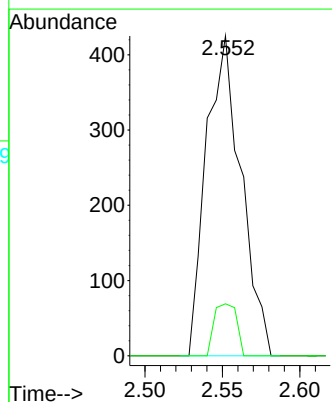
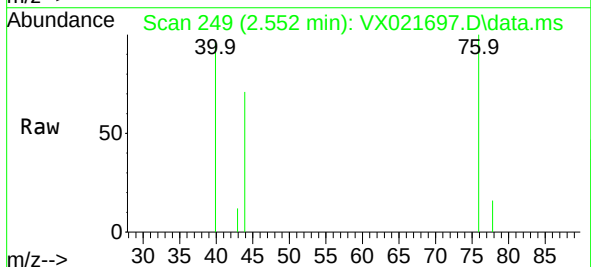
Instrument :
MSVOA_X
ClientSampled :
SP-GIS

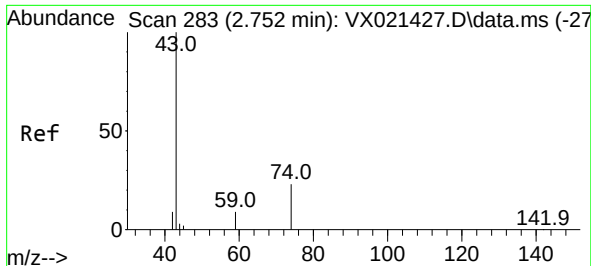
Tgt Ion: 43 Resp: 12384
Ion Ratio Lower Upper
43 100
58 25.9 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.40 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.006 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

Tgt Ion: 76 Resp: 664
Ion Ratio Lower Upper
76 100
78 16.2 7.2 10.8#

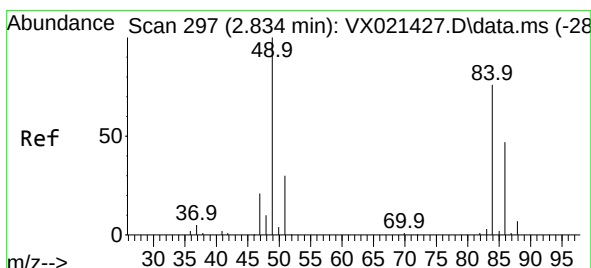
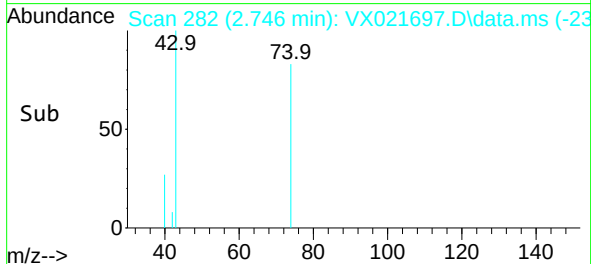
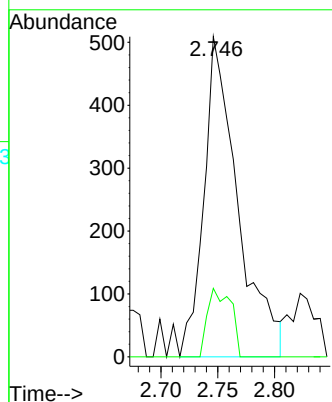
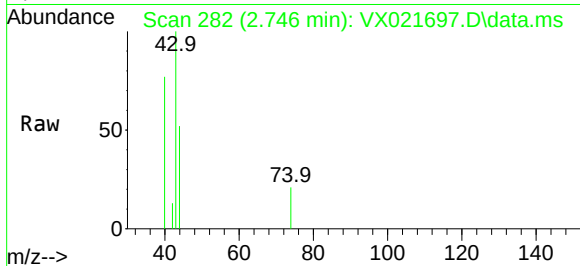




#18
Methyl Acetate
Concen: 1.00 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

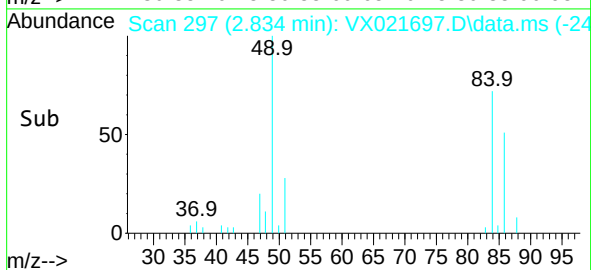
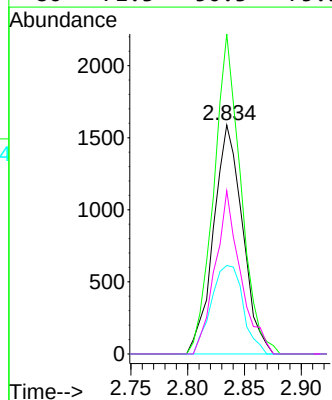
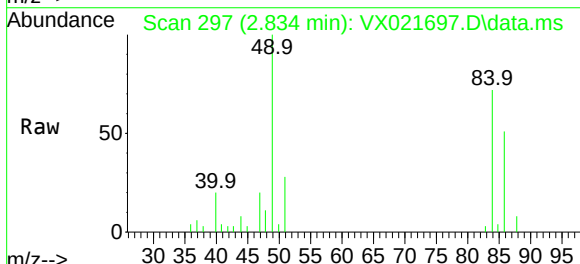
Instrument :
MSVOA_X
ClientSampled :
SP-GIS

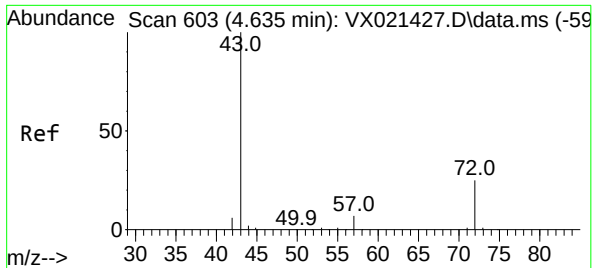
Tgt Ion: 43 Resp: 1060
Ion Ratio Lower Upper
43 100
74 14.7 21.9 32.9#



#20
Methylene Chloride
Concen: 3.96 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

Tgt Ion: 84 Resp: 2824
Ion Ratio Lower Upper
84 100
49 139.8 88.6 132.8#
51 38.7 27.0 40.6
86 71.3 50.3 75.5

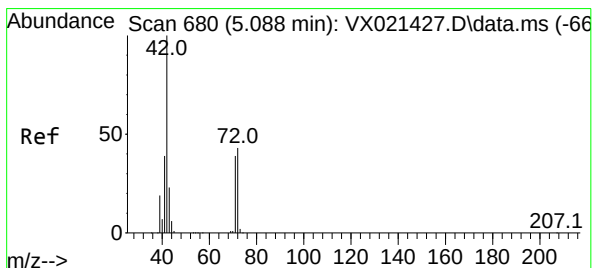
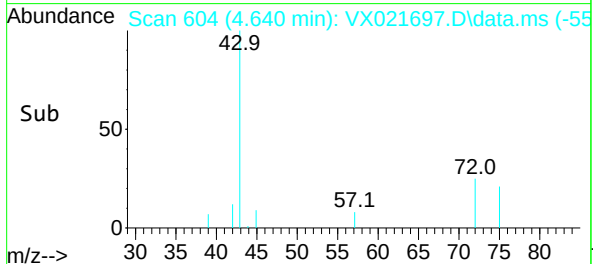
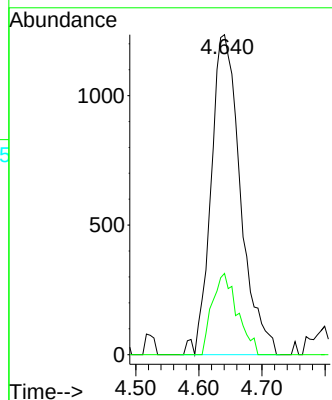
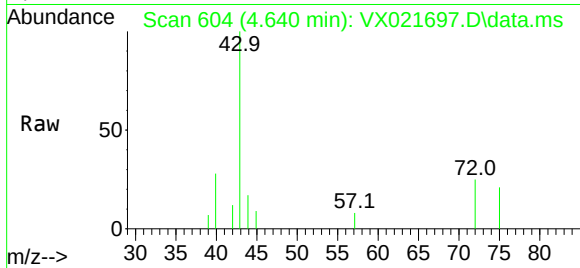




#25
2-Butanone
Concen: 7.22 ug/l
RT: 4.640 min Scan# 604
Delta R.T. 0.005 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

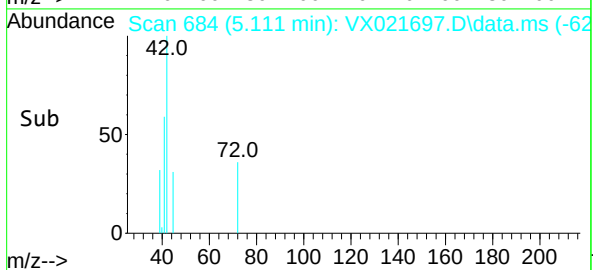
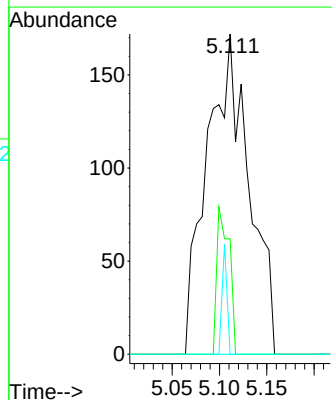
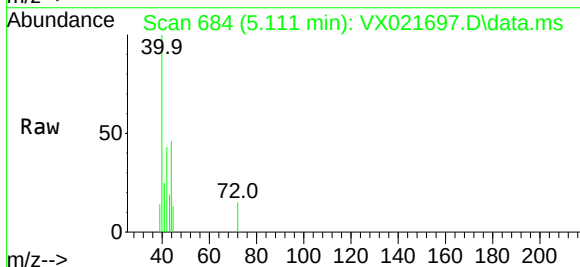
Instrument :
MSVOA_X
ClientSampleId :
SP-GIS

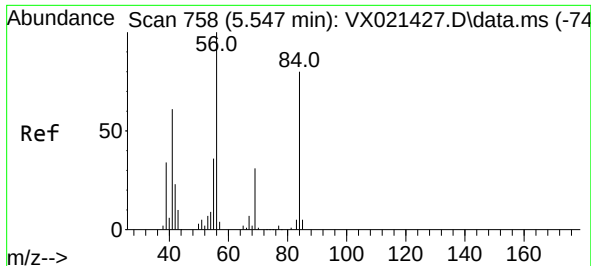
Tgt Ion: 43 Resp: 3998
Ion Ratio Lower Upper
43 100
72 25.4 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.48 ug/l
RT: 5.111 min Scan# 684
Delta R.T. 0.023 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

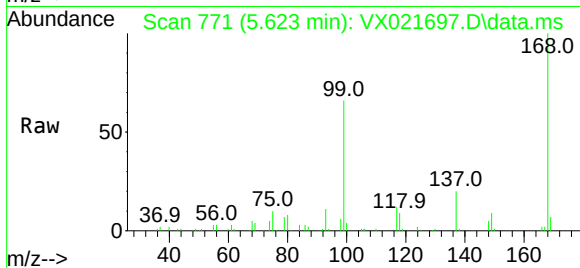
Tgt Ion: 42 Resp: 530
Ion Ratio Lower Upper
42 100
72 13.6 41.7 62.5#
71 4.0 38.4 57.6#



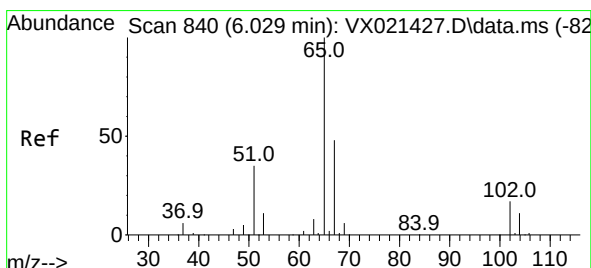
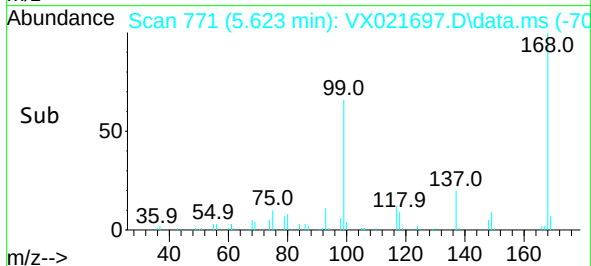
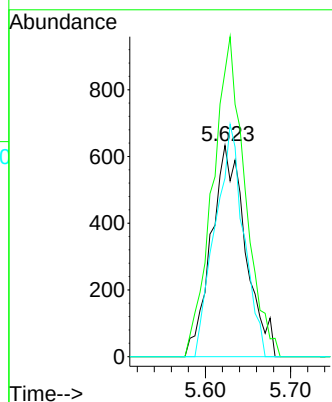


#31
Cyclohexane
Concen: 1.67 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

Instrument :
MSVOA_X
ClientSampleId :
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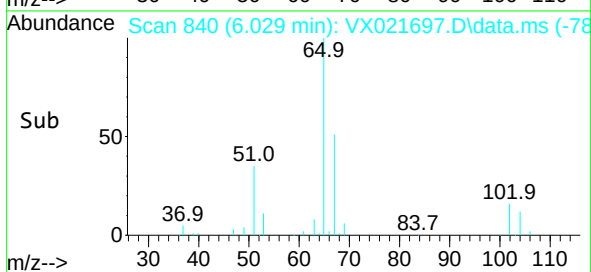
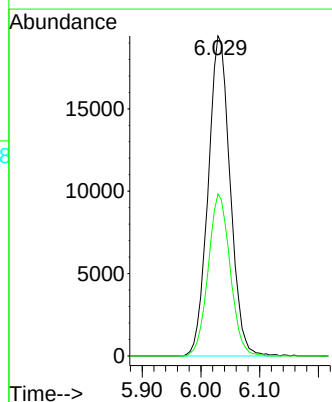
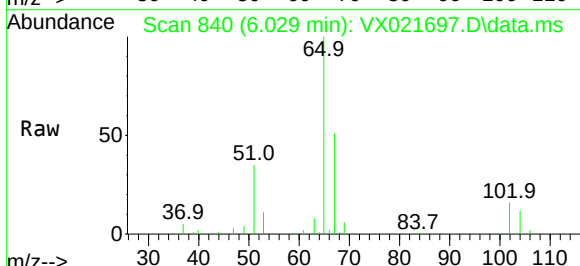


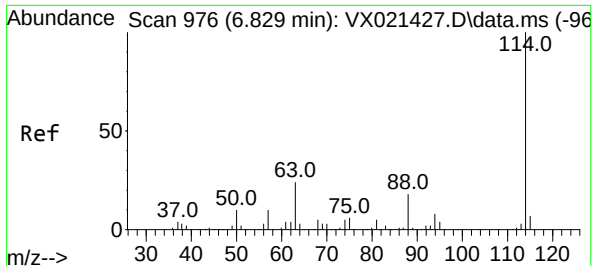
Tgt Ion: 56 Resp: 1773
Ion Ratio Lower Upper
56 100
69 135.1 25.3 37.9#
84 84.5 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 52.31 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

Tgt Ion: 65 Resp: 50512
Ion Ratio Lower Upper
65 100
67 50.3 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: VX021697.D

Acq: 31 Mar 2021 19:45

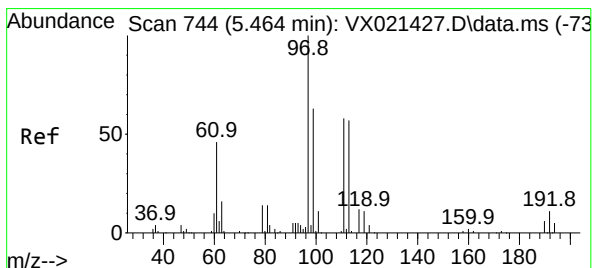
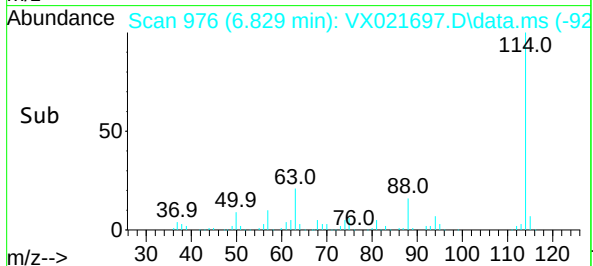
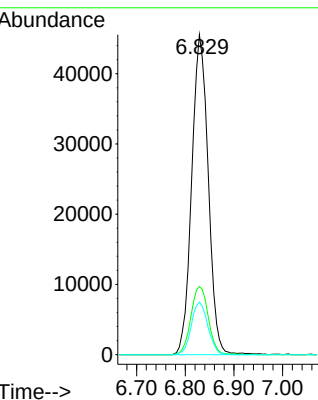
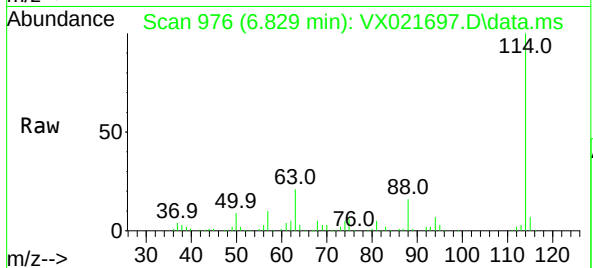
Tgt Ion:114 Resp: 107204

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.39 ug/l

RT: 5.470 min Scan# 745

Delta R.T. 0.006 min

Lab File: VX021697.D

Acq: 31 Mar 2021 19:45

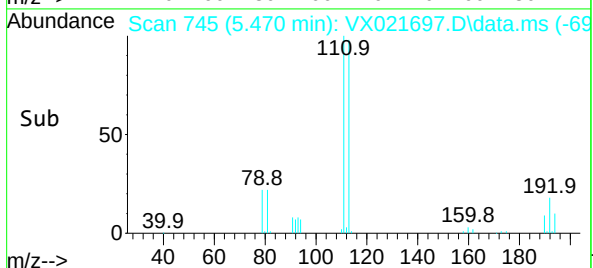
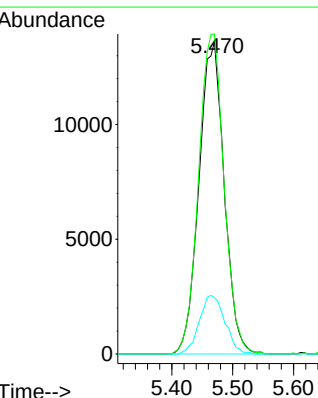
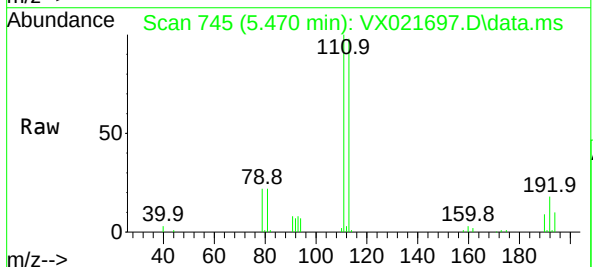
Tgt Ion:113 Resp: 39134

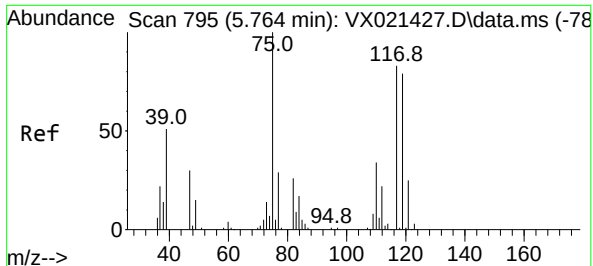
Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

192 19.0 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.13 ug/l

RT: 5.629 min Scan# 772

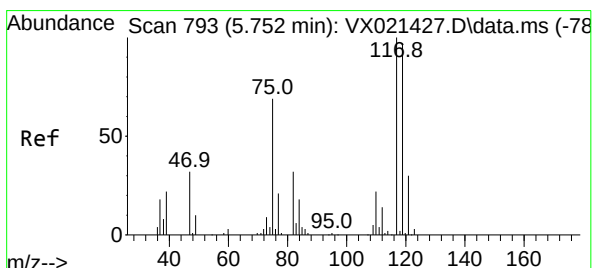
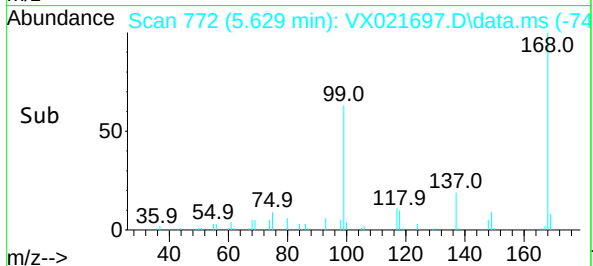
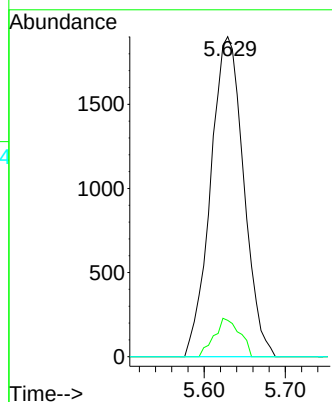
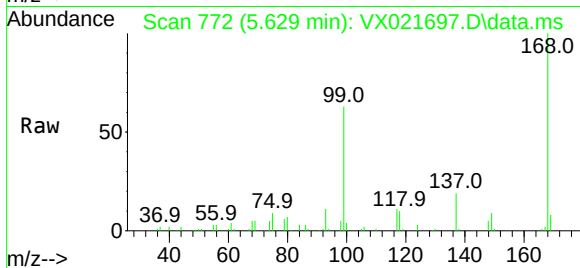
Delta R.T. -0.135 min

Lab File: VX021697.D

Acq: 31 Mar 2021 19:45

Tgt Ion:	75	Resp:	5384
Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :
SP-GIS



#38

Carbon Tetrachloride

Concen: 5.69 ug/l

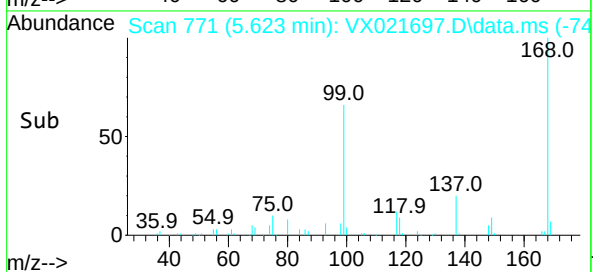
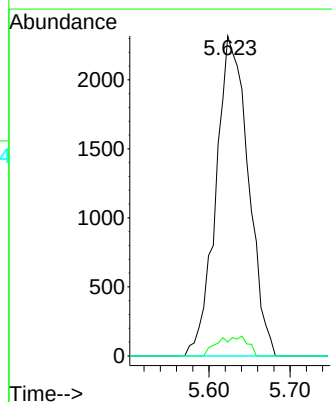
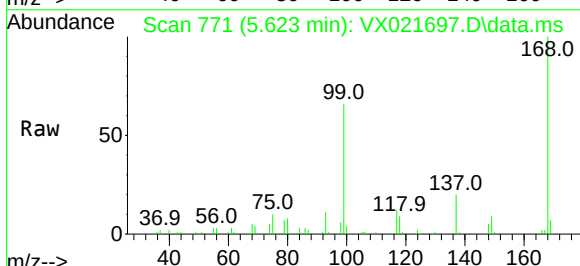
RT: 5.623 min Scan# 771

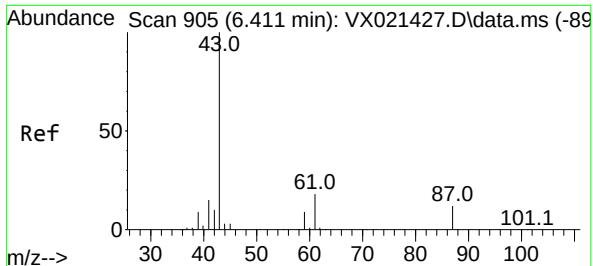
Delta R.T. -0.129 min

Lab File: VX021697.D

Acq: 31 Mar 2021 19:45

Tgt Ion:	117	Resp:	6420
Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.2	114.2#
121	0.0	24.8	37.2#

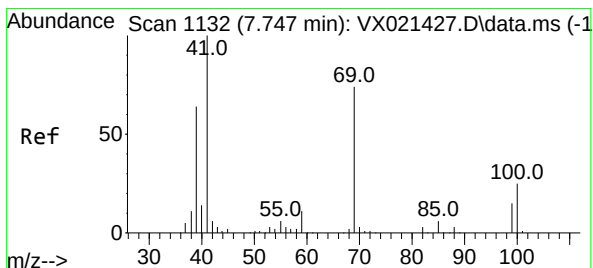
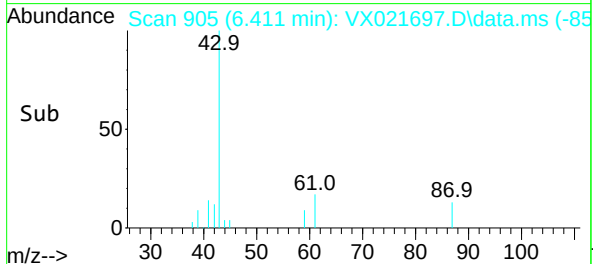
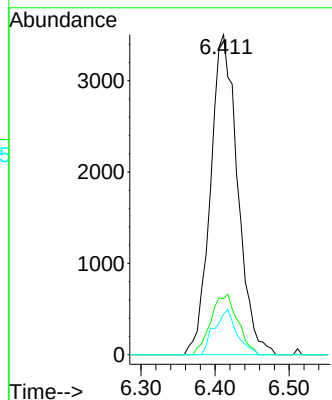
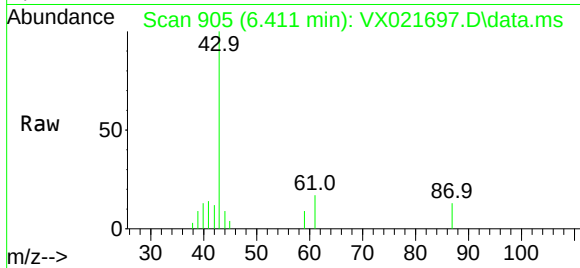




#43
Isopropyl Acetate
Concen: 4.52 ug/l
RT: 6.411 min Scan# 905
Delta R.T. 0.000 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

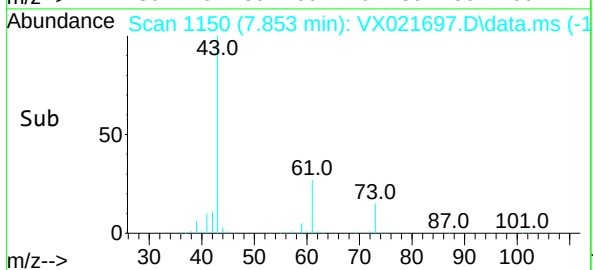
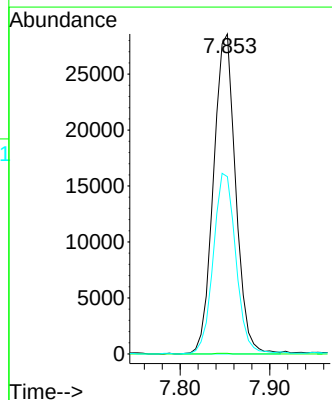
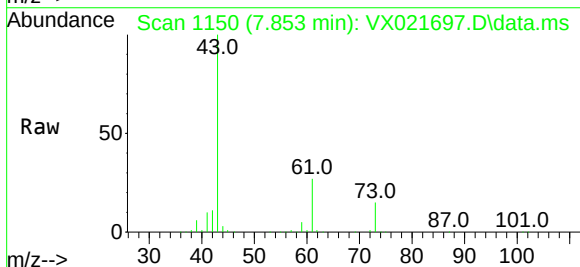
Instrument :
MSVOA_X
ClientSampleId :
SP-GIS

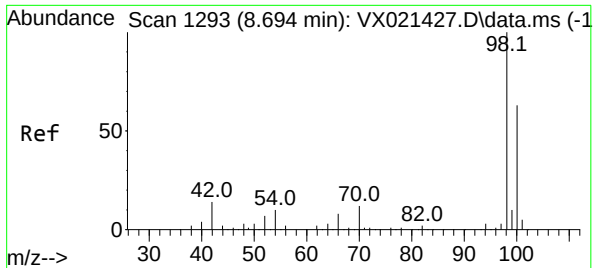
Tgt Ion: 43 Resp: 8907
Ion Ratio Lower Upper
43 100
61 18.7 18.2 27.4
87 11.6 12.5 18.7#



#48
Methyl methacrylate
Concen: 46.58 ug/l
RT: 7.853 min Scan# 1150
Delta R.T. 0.106 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

Tgt Ion: 41 Resp: 49003
Ion Ratio Lower Upper
41 100
69 0.1 76.0 114.0#
39 57.9 44.6 67.0

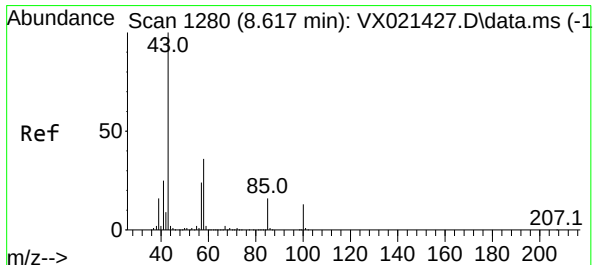
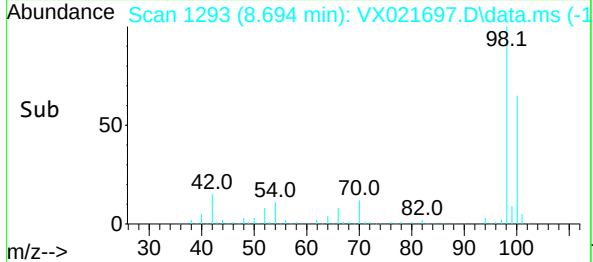
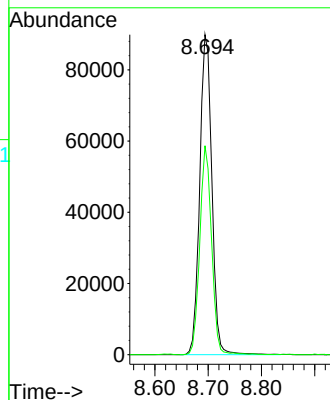
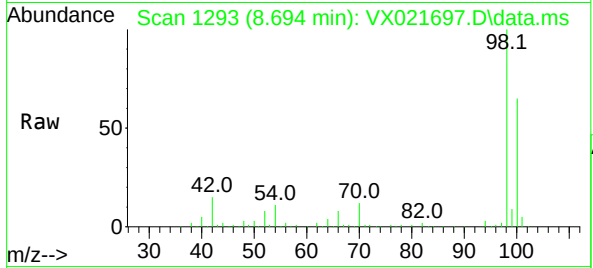




#50
Toluene-d8
Concen: 52.43 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

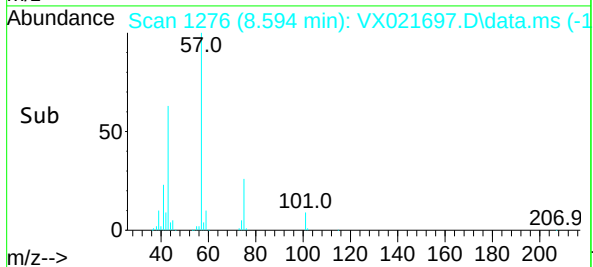
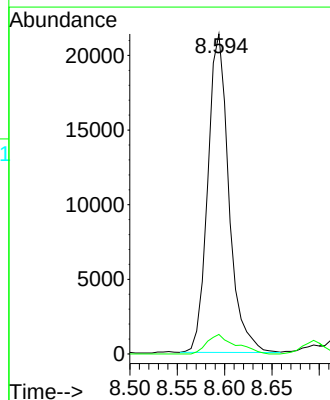
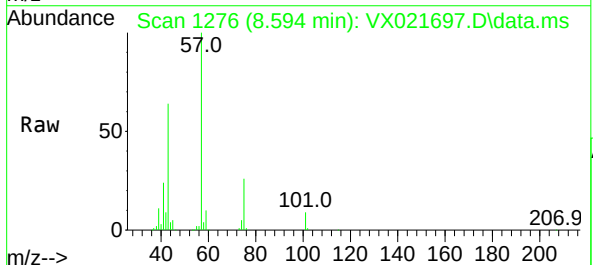
Instrument :
MSVOA_X
ClientSampled :
SP-GIS

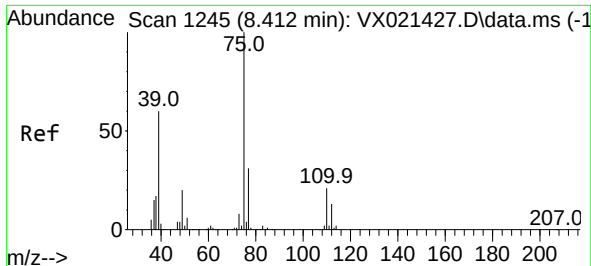
Tgt Ion: 98 Resp: 142280
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 27.24 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. -0.023 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

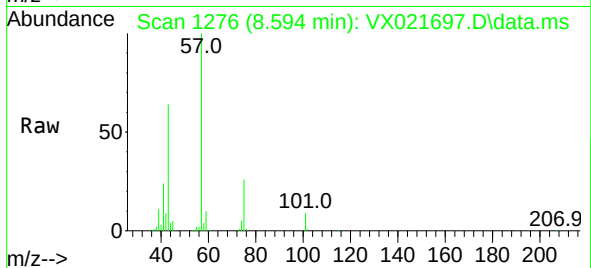
Tgt Ion: 43 Resp: 33044
Ion Ratio Lower Upper
43 100
58 8.2 35.4 53.0#



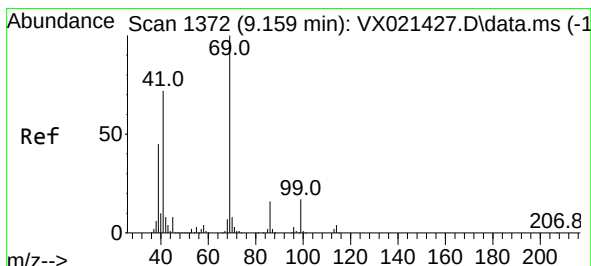
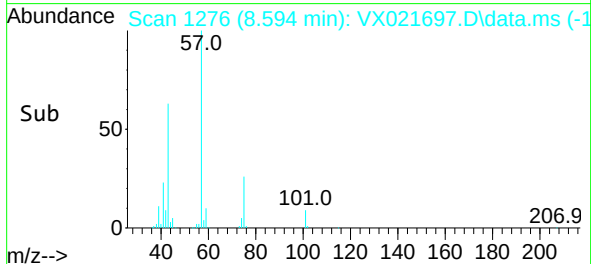
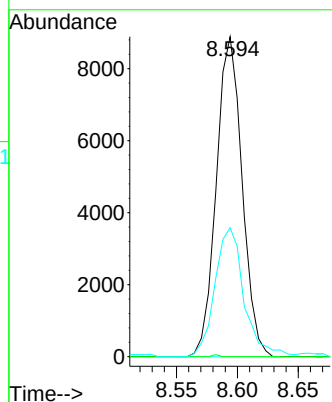


#54
 cis-1,3-Dichloropropene
 Concen: 10.16 ug/l
 RT: 8.594 min Scan# 1276
 Delta R.T. 0.182 min
 Lab File: VX021697.D
 Acq: 31 Mar 2021 19:45

Instrument :
 MSVOA_X
 ClientSampled :
 SP-GIS

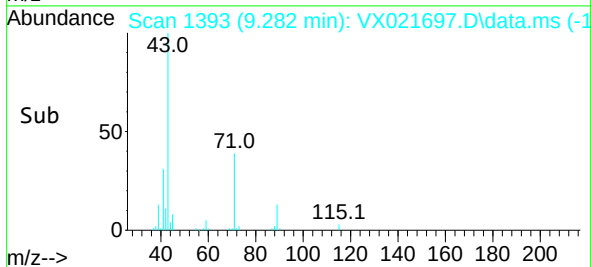
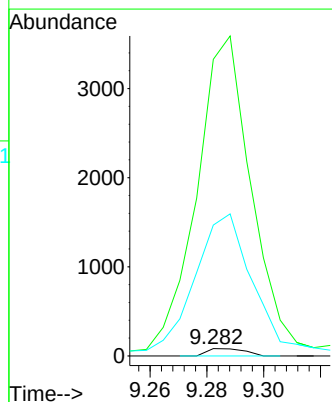
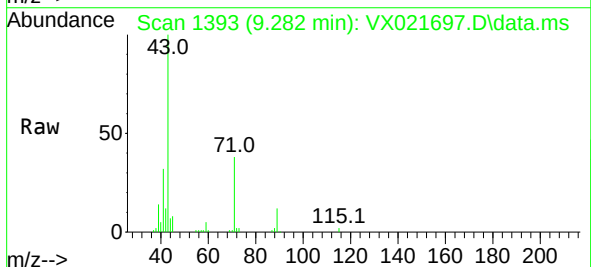


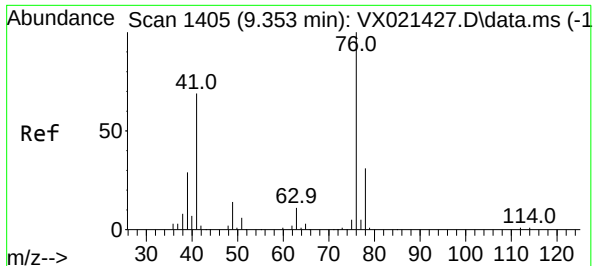
Tgt Ion: 75 Resp: 13086
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#
 39 40.3 35.1 52.7



#56
 Ethyl methacrylate
 Concen: 2.14 ug/l
 RT: 9.282 min Scan# 1393
 Delta R.T. 0.123 min
 Lab File: VX021697.D
 Acq: 31 Mar 2021 19:45

Tgt Ion: 69 Resp: 76
 Ion Ratio Lower Upper
 69 100
 41 6494.7 46.8 70.2#
 39 3113.2 24.7 37.1#

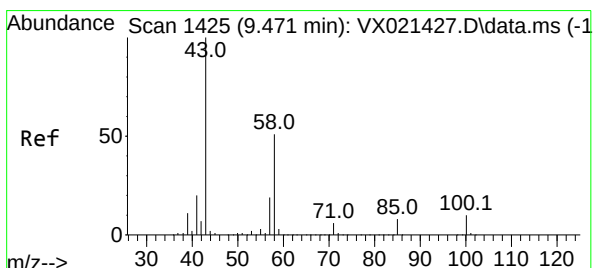
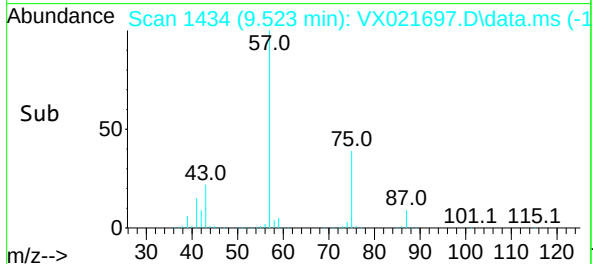
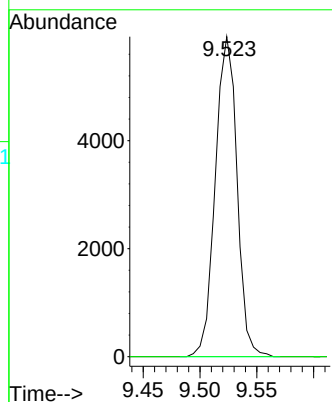
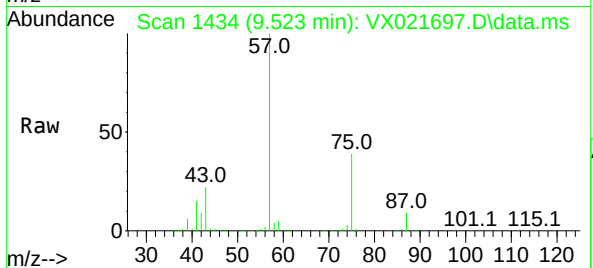




#57
1,3-Dichloropropane
Concen: 5.92 ug/l
RT: 9.523 min Scan# 1434
Delta R.T. 0.170 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

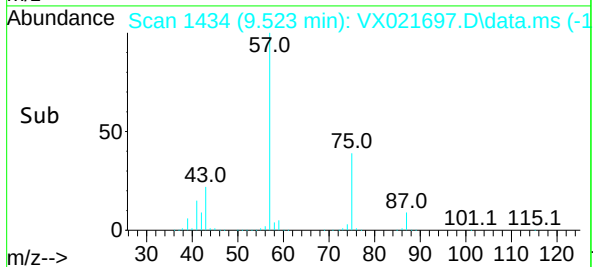
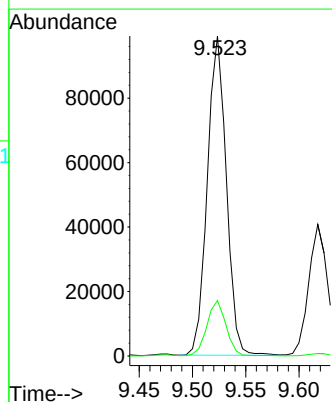
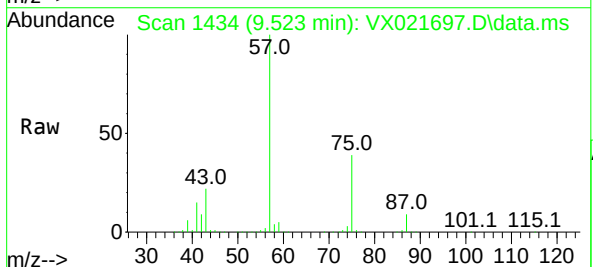
Instrument :
MSVOA_X
ClientSampled :
SP-GIS

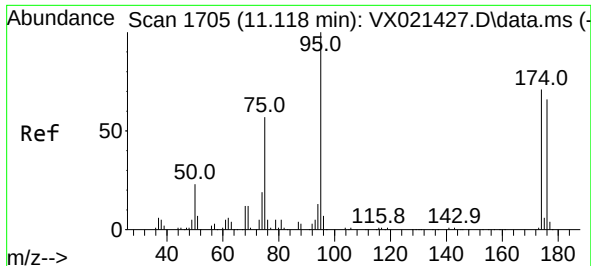
Tgt Ion: 76 Resp: 7876
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#



#59
2-Hexanone
Concen: 135.37 ug/l
RT: 9.523 min Scan# 1434
Delta R.T. 0.052 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

Tgt Ion: 43 Resp: 123299
Ion Ratio Lower Upper
43 100
58 17.4 30.9 92.8#

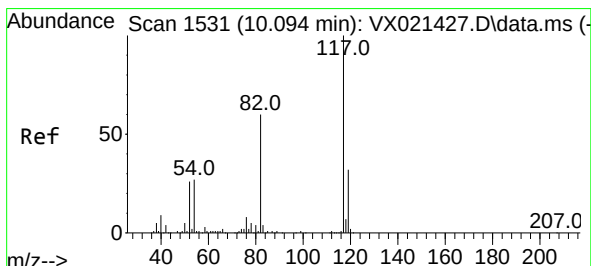
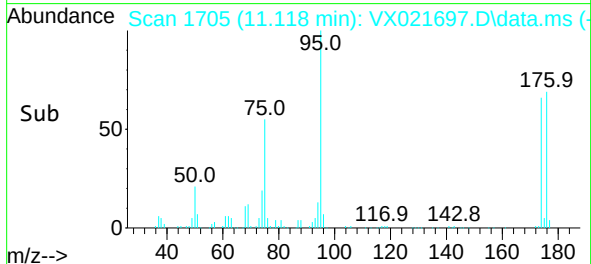
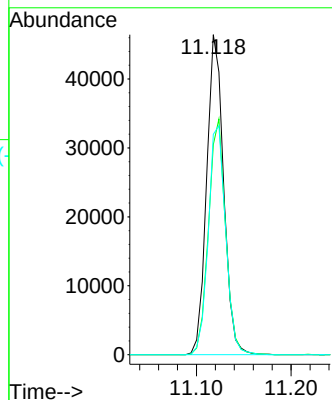
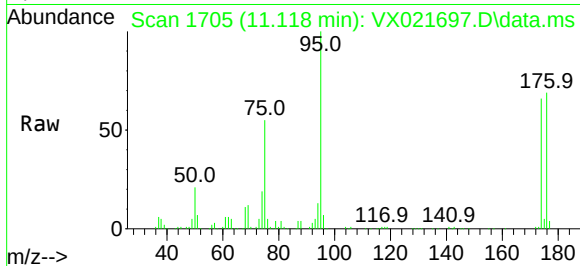




#62
4-Bromofluorobenzene
Concen: 54.70 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

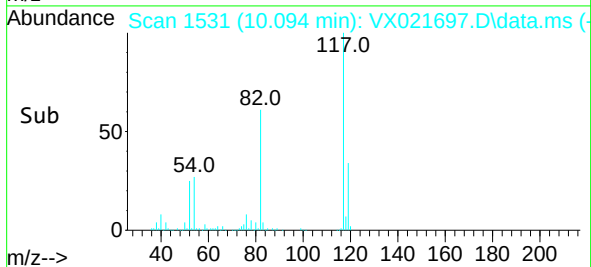
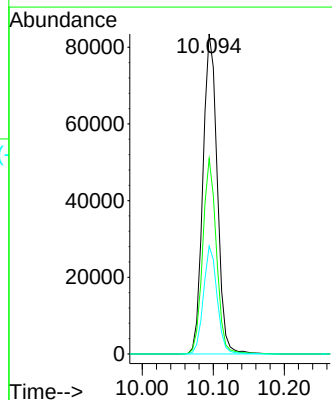
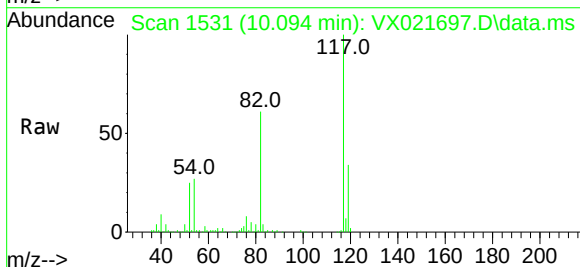
Instrument :
MSVOA_X
ClientSampleId :
SP-GIS

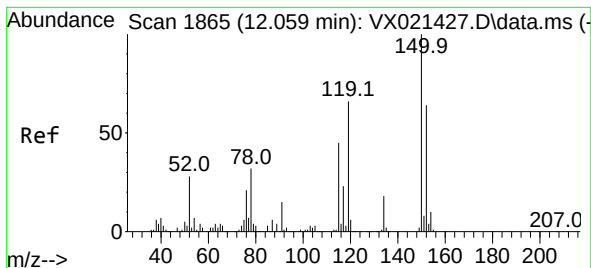
Tgt Ion: 95 Resp: 57711
Ion Ratio Lower Upper
95 100
174 73.9 0.0 154.6
176 73.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021697.D
Acq: 31 Mar 2021 19:45

Tgt Ion: 117 Resp: 117427
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 33.7 26.6 39.8

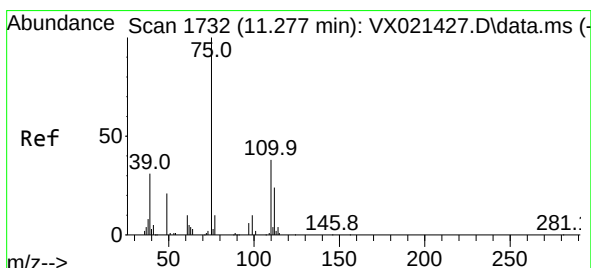
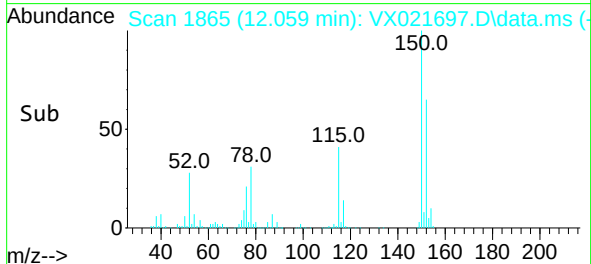
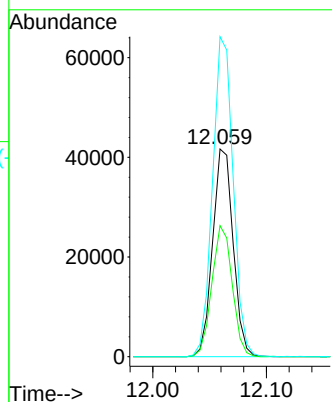
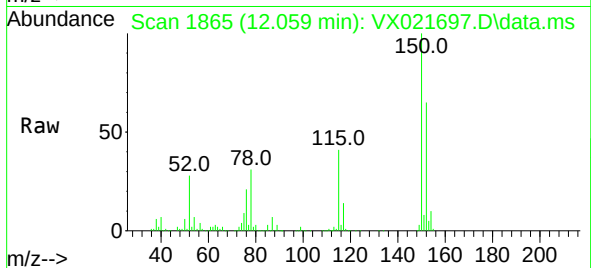




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. 0.000 min
 Lab File: VX021697.D
 Acq: 31 Mar 2021 19:45

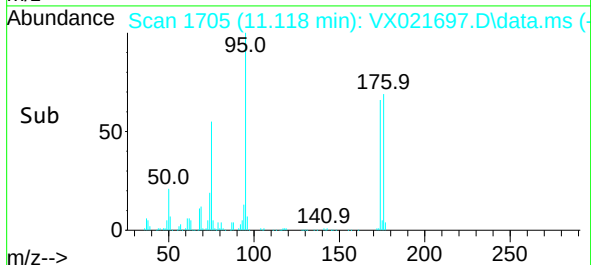
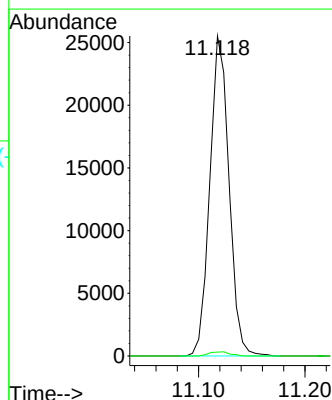
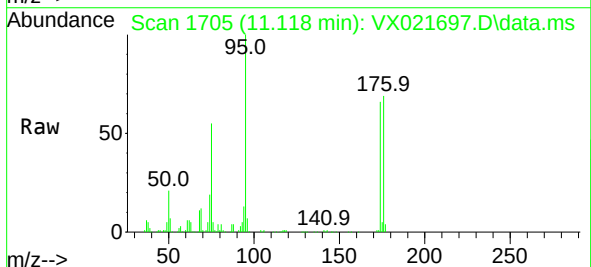
Instrument :
 MSVOA_X
 ClientSampled :
 SP-GIS

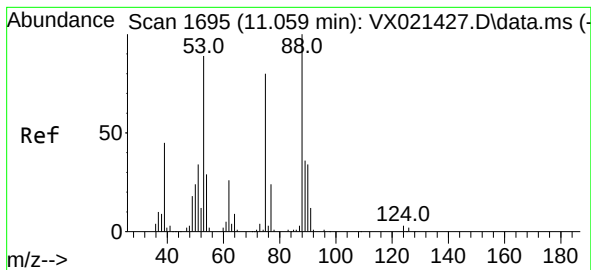
Tgt Ion:152 Resp: 52447
 Ion Ratio Lower Upper
 152 100
 115 62.2 41.1 123.3
 150 154.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.13 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021697.D
 Acq: 31 Mar 2021 19:45

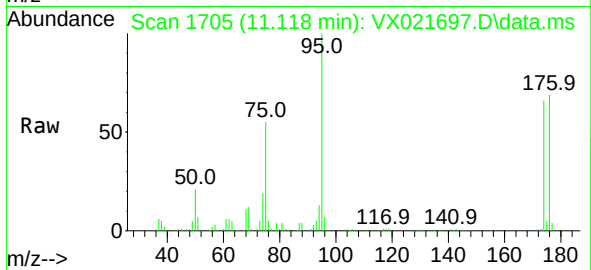
Tgt Ion: 75 Resp: 31907
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.60 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021697.D
 Acq: 31 Mar 2021 19:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-GIS



Tgt Ion: 75 Resp: 31907
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

