

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032921\
 Data File : VX021597.D
 Acq On : 29 Mar 2021 23:53
 Operator : JC/MD
 Sample : M1843-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 30 05:21:42 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	5.623	168	60289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	110522	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	112388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	47318	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	51630	51.47	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.94%
35) Dibromofluoromethane	5.464	113	39944	50.88	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.76%
50) Toluene-d8	8.694	98	141303	50.51	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.02%
62) 4-Bromofluorobenzene	11.118	95	55840	51.34	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.68%

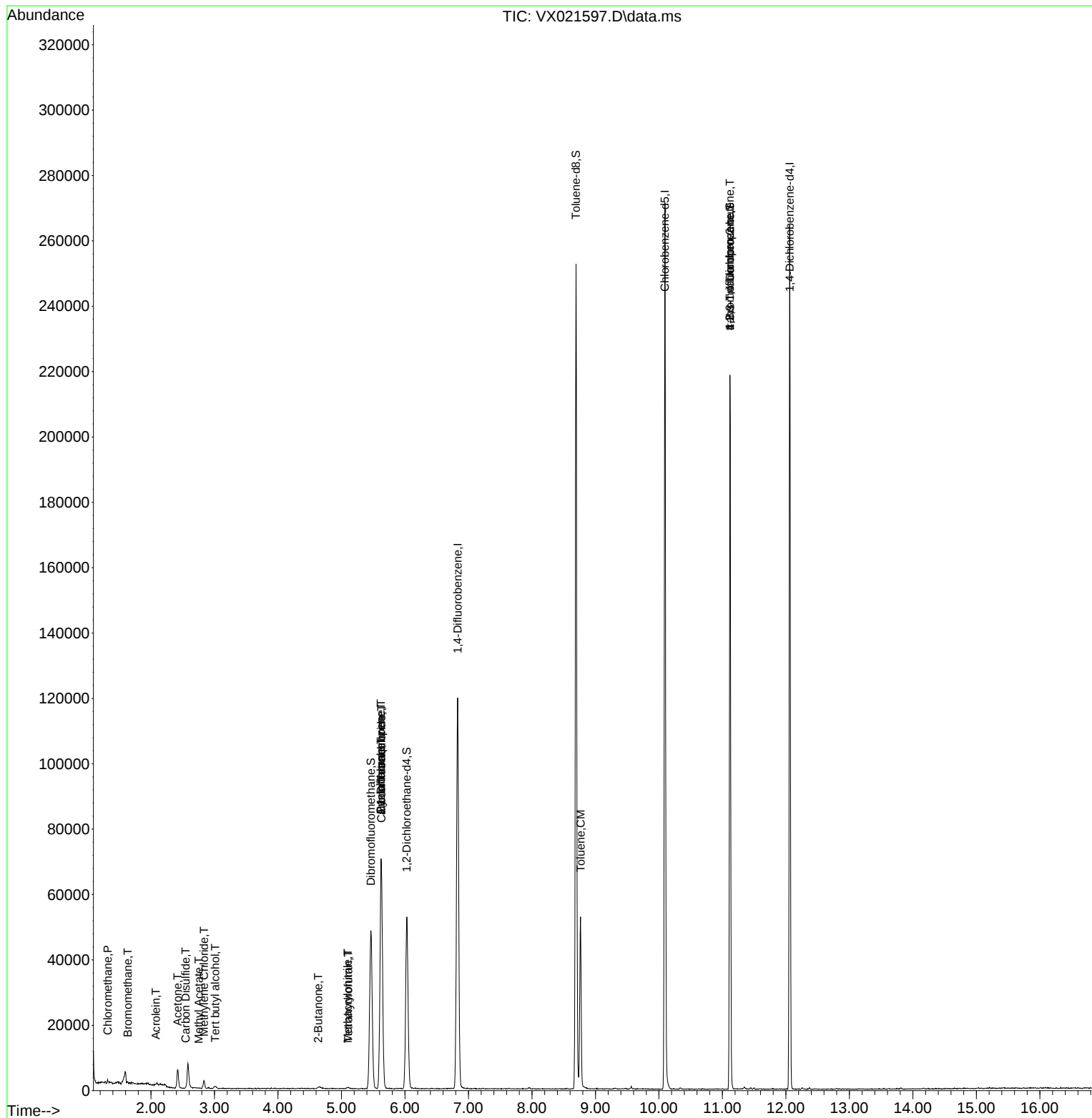
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.317	50	1503	2.01	ug/l	95
5) Bromomethane	1.634	94	148	0.54	ug/l #	64
11) Tert butyl alcohol	3.011	59	675	4.07	ug/l #	73
13) Acrolein	2.075	56	19	4.52	ug/l #	1
16) Acetone	2.417	43	6351	16.74	ug/l #	83
17) Carbon Disulfide	2.546	76	363	0.21	ug/l #	75
18) Methyl Acetate	2.752	43	284	0.26	ug/l #	47
20) Methylene Chloride	2.834	84	968	1.31	ug/l #	86
25) 2-Butanone	4.635	43	354	0.62	ug/l #	45
29) Tetrahydrofuran	5.105	42	369	0.99	ug/l #	32
31) Cyclohexane	5.623	56	1732	1.57	ug/l #	6
36) 1,1-Dichloropropene	5.623	75	5347	4.94	ug/l #	49
38) Carbon Tetrachloride	5.629	117	6611	5.68	ug/l #	16
41) Methacrylonitrile	5.099	41	240	0.33	ug/l #	33
52) Toluene	8.765	92	18555	9.77	ug/l	97
76) 1,2,3-Trichloropropane	11.118	75	31600	28.69	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	31600	87.38	ug/l #	12

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

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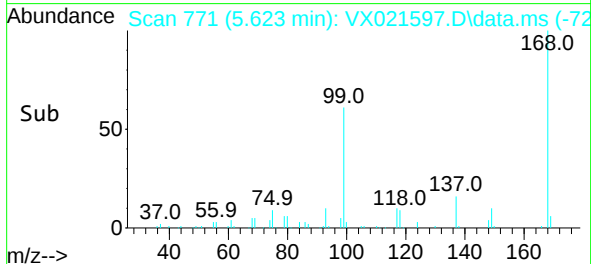
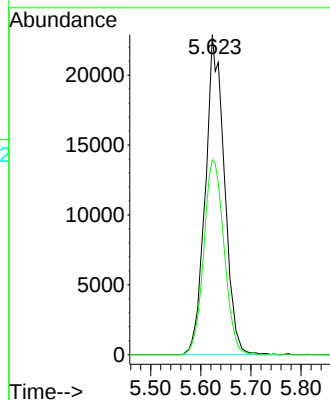
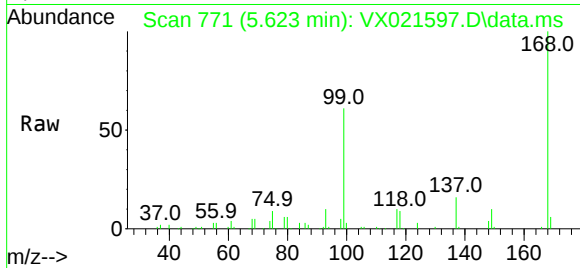




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.006 min
Lab File: VX021597.D
Acq: 29 Mar 2021 23:53

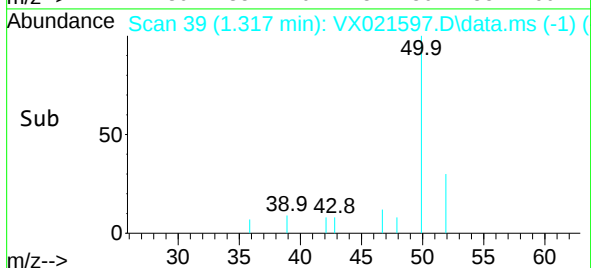
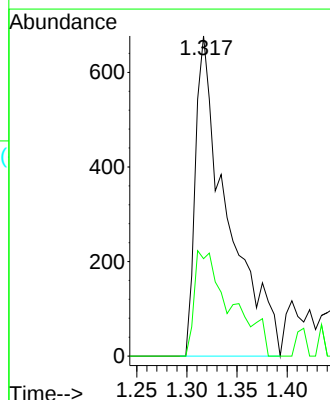
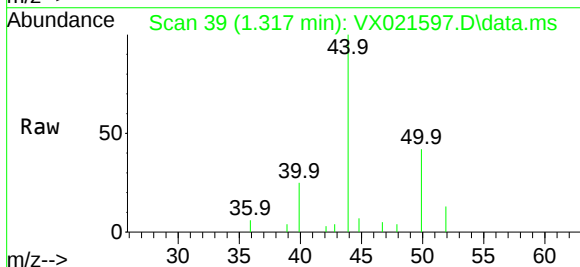
Instrument :
MSVOA_X
ClientSampleId :

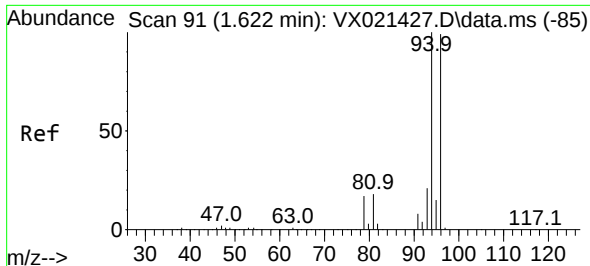
Tgt Ion:168 Resp: 60289
Ion Ratio Lower Upper
168 100
99 60.8 45.8 68.6



#3
Chloromethane
Concen: 2.01 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021597.D
Acq: 29 Mar 2021 23:53

Tgt Ion: 50 Resp: 1503
Ion Ratio Lower Upper
50 100
52 30.4 26.4 39.6

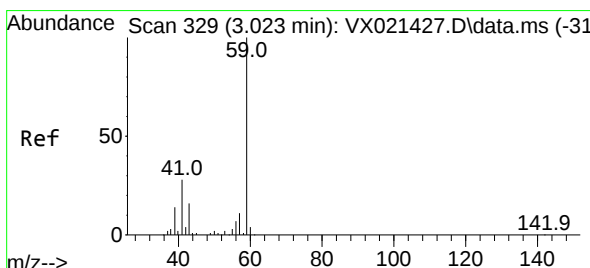
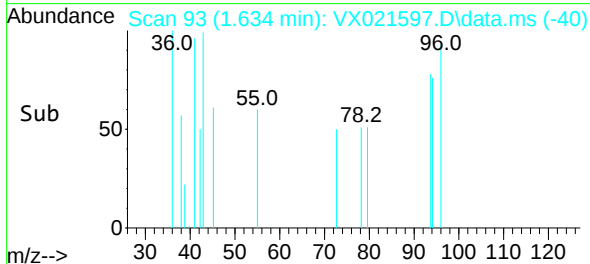
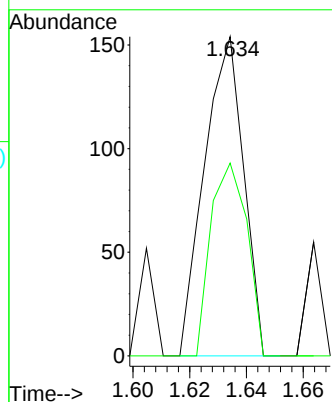
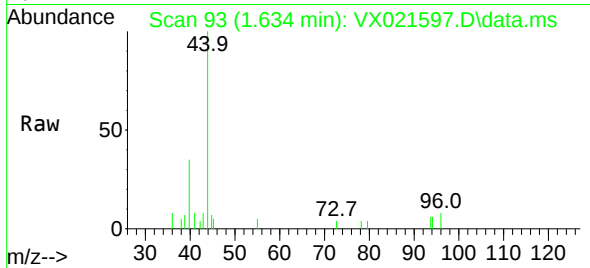




#5
Bromomethane
Concen: 0.54 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021597.D
Acq: 29 Mar 2021 23:53

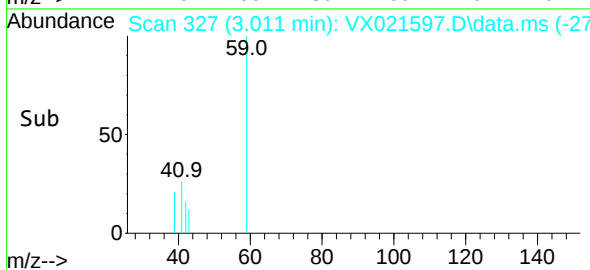
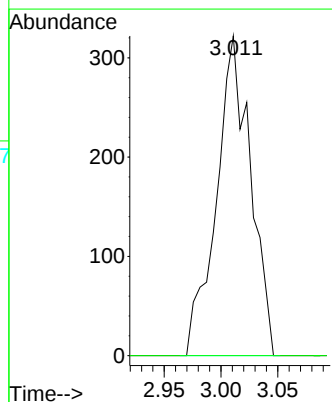
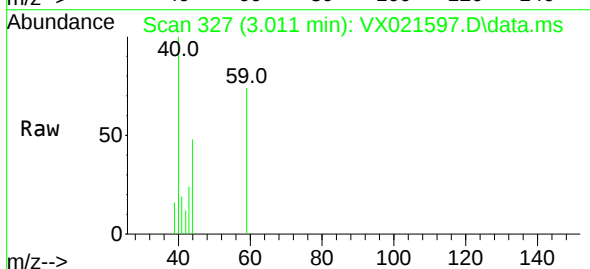
Instrument :
MSVOA_X
ClientSampled :

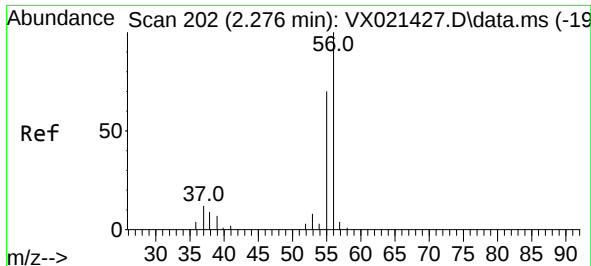
Tgt Ion: 94 Resp: 148
Ion Ratio Lower Upper
94 100
96 60.4 76.4 114.6#



#11
Tert butyl alcohol
Concen: 4.07 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.012 min
Lab File: VX021597.D
Acq: 29 Mar 2021 23:53

Tgt Ion: 59 Resp: 675
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

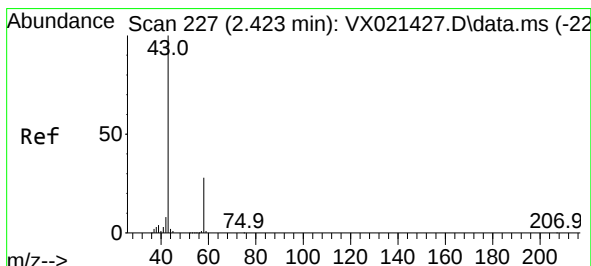
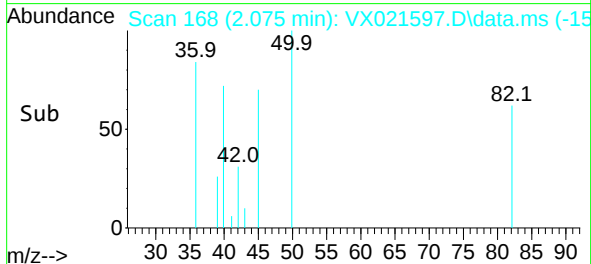
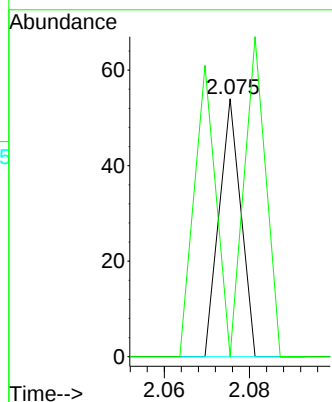
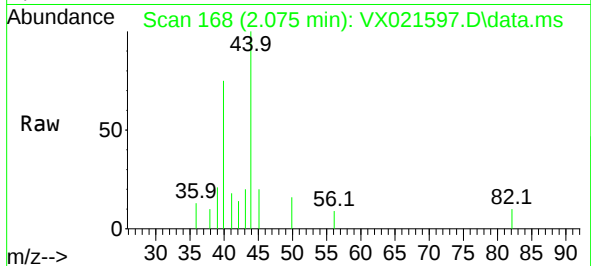




#13
Acrolein
Concen: 4.52 ug/l
RT: 2.075 min Scan# 168
Delta R.T. -0.201 min
Lab File: VX021597.D
Acq: 29 Mar 2021 23:53

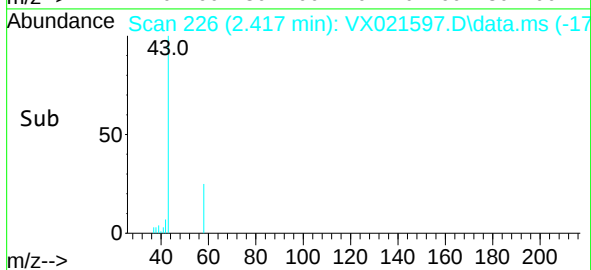
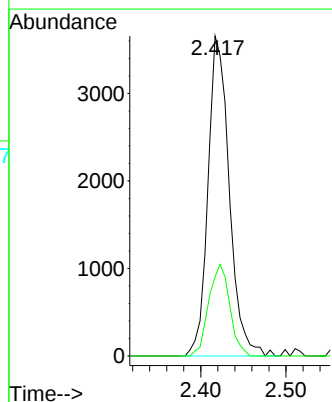
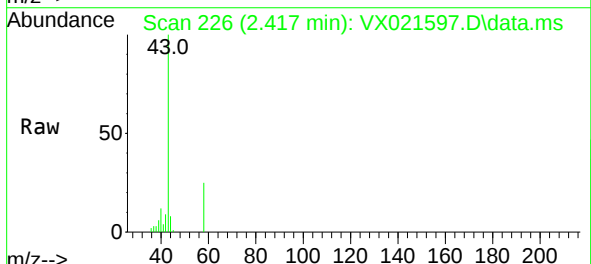
Instrument :
MSVOA_X
ClientSampled :

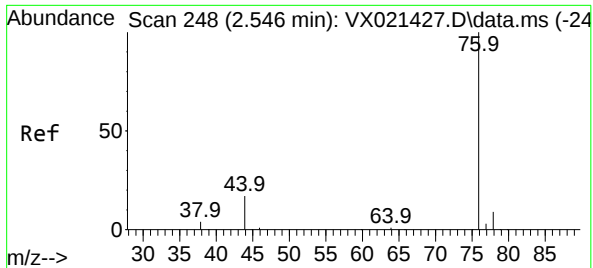
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 236.8 56.4 84.6#



#16
Acetone
Concen: 16.74 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021597.D
Acq: 29 Mar 2021 23:53

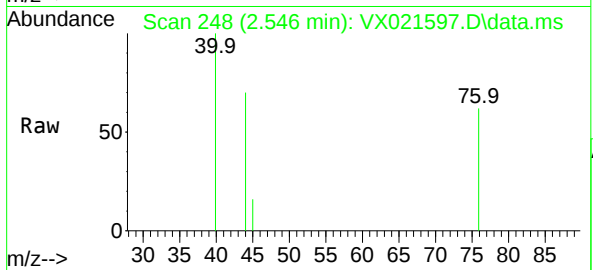
Tgt Ion: 43 Resp: 6351
Ion Ratio Lower Upper
43 100
58 24.7 27.8 41.8#



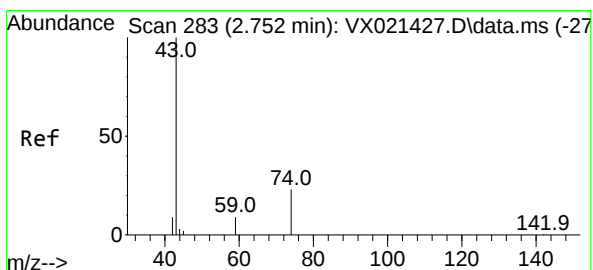
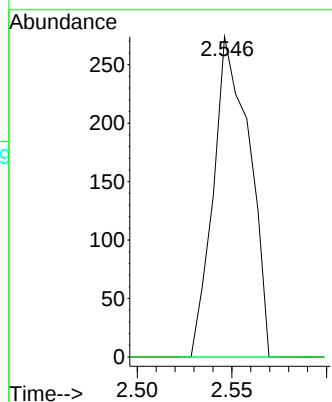
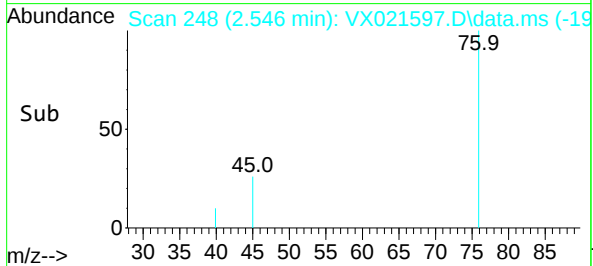


#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.546 min Scan# 248
Delta R.T. 0.000 min
Lab File: VX021597.D
Acq: 29 Mar 2021 23:53

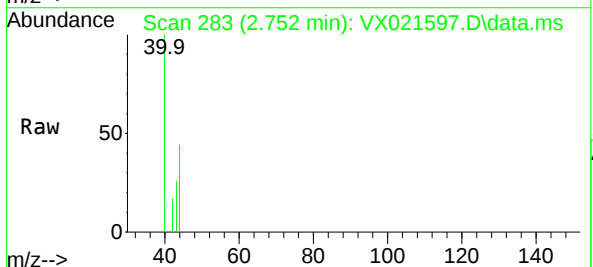
Instrument :
MSVOA_X
ClientSampled :



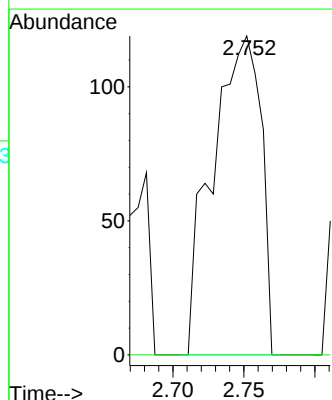
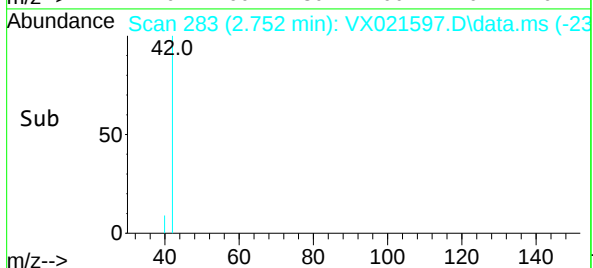
Tgt Ion: 76 Resp: 363
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.26 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021597.D
Acq: 29 Mar 2021 23:53



Tgt Ion: 43 Resp: 284
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 1.31 ug/l

RT: 2.834 min Scan# 297

Delta R.T. 0.000 min

Lab File: VX021597.D

Acq: 29 Mar 2021 23:53

Tgt Ion: 84 Resp: 968

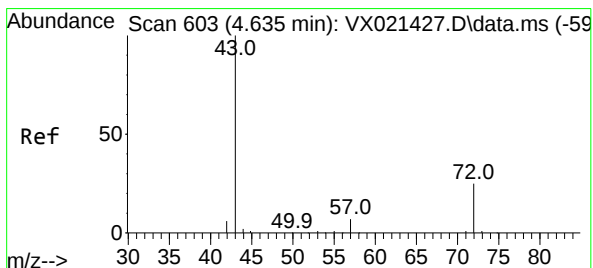
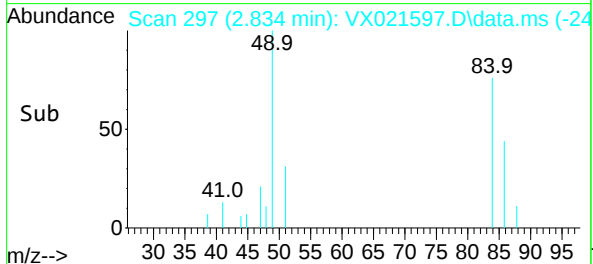
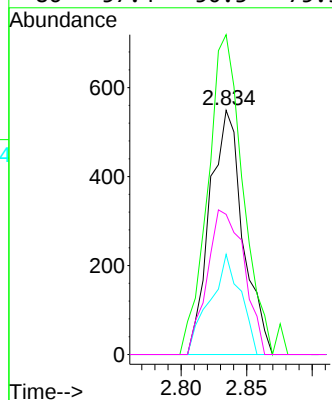
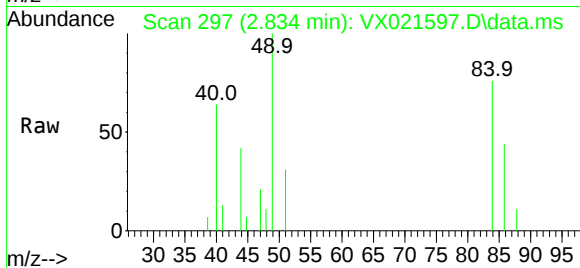
Ion Ratio Lower Upper

84 100

49 131.0 88.6 132.8

51 41.0 27.0 40.6#

86 57.4 50.3 75.5



#25

2-Butanone

Concen: 0.62 ug/l

RT: 4.635 min Scan# 603

Delta R.T. -0.000 min

Lab File: VX021597.D

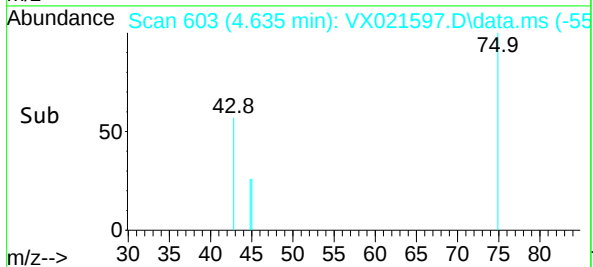
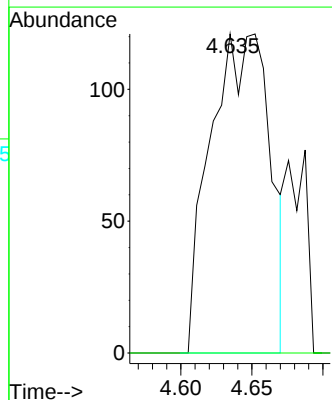
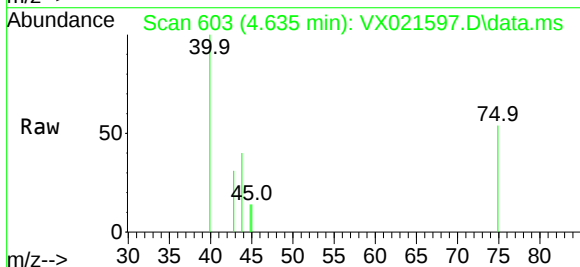
Acq: 29 Mar 2021 23:53

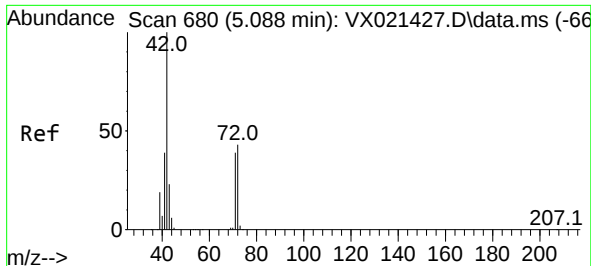
Tgt Ion: 43 Resp: 354

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.99 ug/l

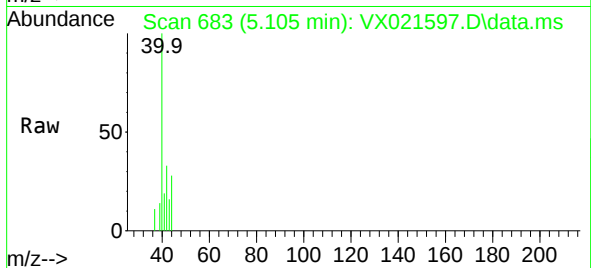
RT: 5.105 min Scan# 683

Delta R.T. 0.017 min

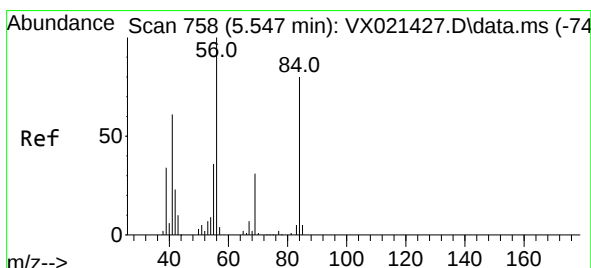
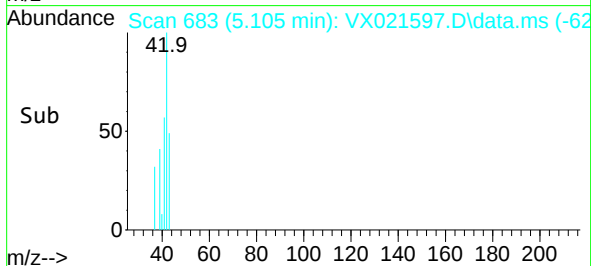
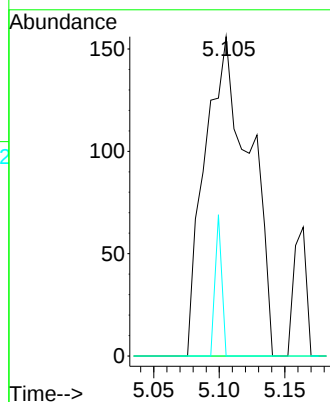
Lab File: VX021597.D

Acq: 29 Mar 2021 23:53

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	42	Resp:	369
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	6.5	38.4	57.6#



#31

Cyclohexane

Concen: 1.57 ug/l

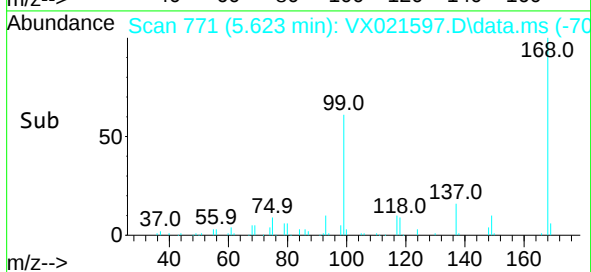
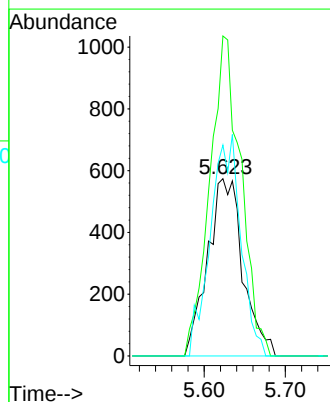
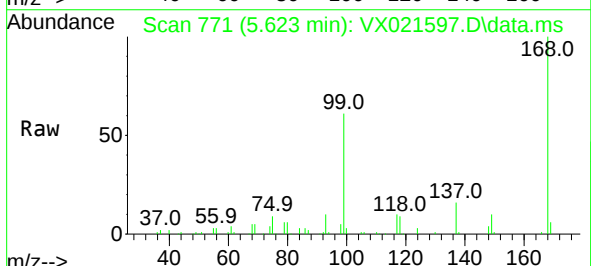
RT: 5.623 min Scan# 771

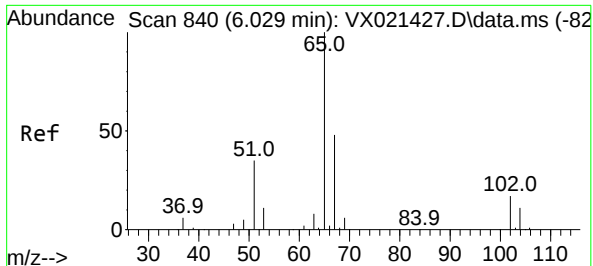
Delta R.T. 0.076 min

Lab File: VX021597.D

Acq: 29 Mar 2021 23:53

Tgt Ion:	56	Resp:	1732
Ion	Ratio	Lower	Upper
56	100		
69	180.5	25.3	37.9#
84	119.0	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.47 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

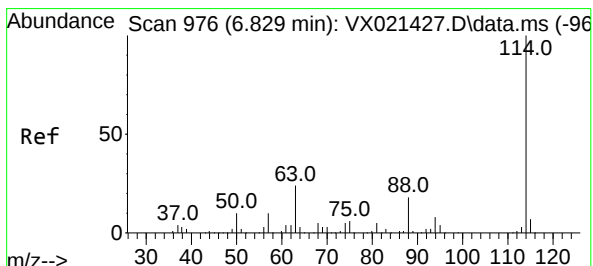
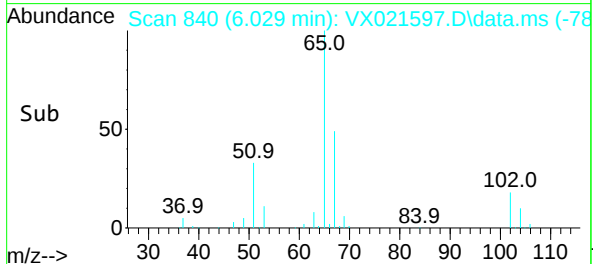
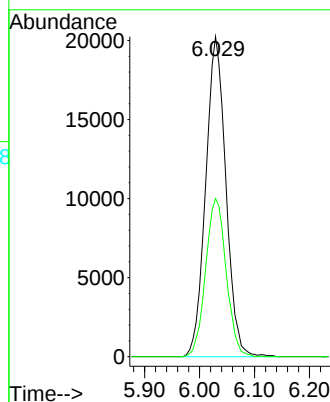
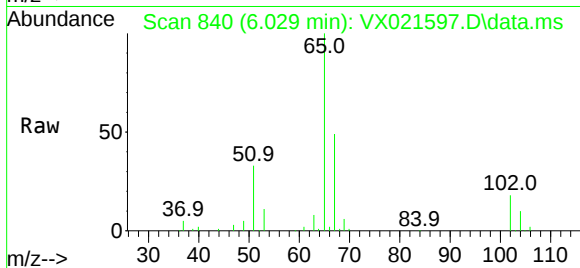
Lab File: VX021597.D

Acq: 29 Mar 2021 23:53

Tgt Ion: 65 Resp: 51630

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

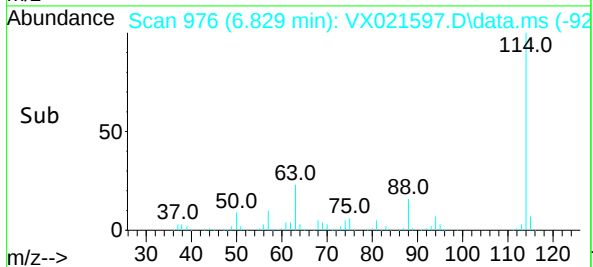
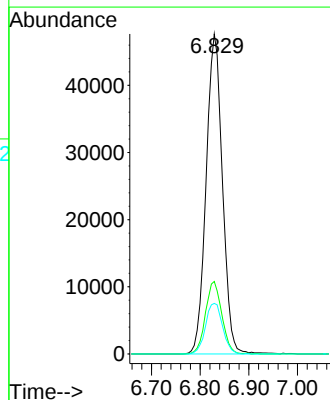
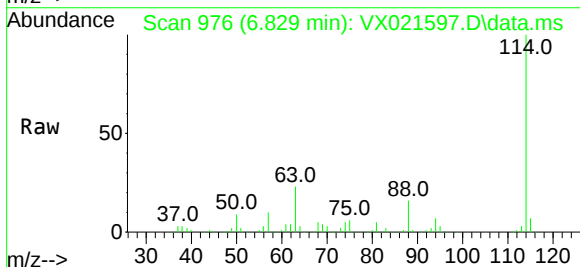
Lab File: VX021597.D

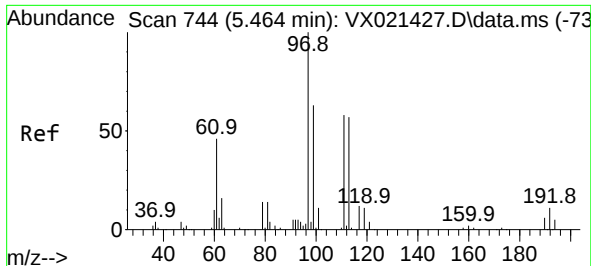
Acq: 29 Mar 2021 23:53

Tgt Ion: 114 Resp: 110522

Ion Ratio Lower Upper

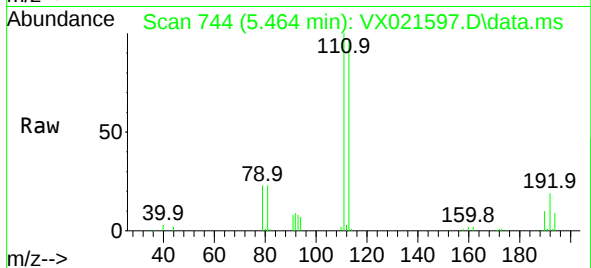
114	100		
63	22.7	0.0	40.8
88	15.8	0.0	32.8



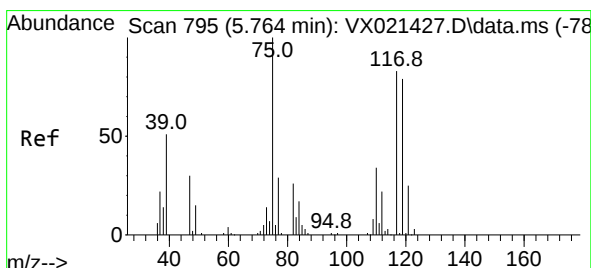
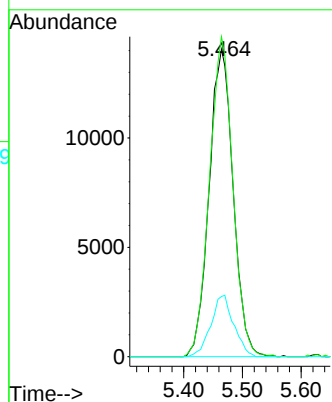
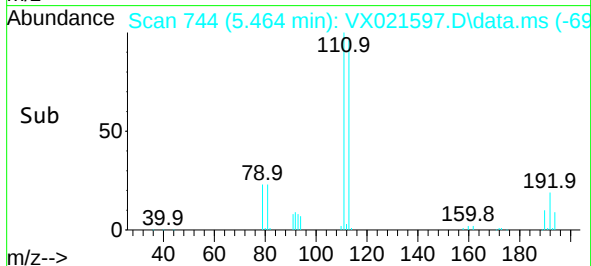


#35
Dibromofluoromethane
Concen: 50.88 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021597.D
Acq: 29 Mar 2021 23:53

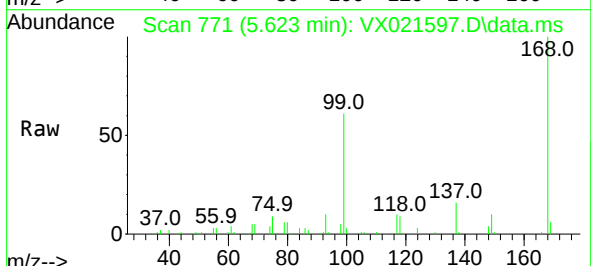
Instrument :
MSVOA_X
ClientSampled :



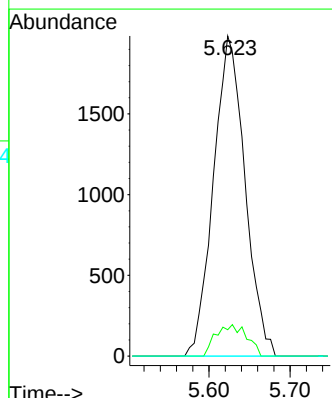
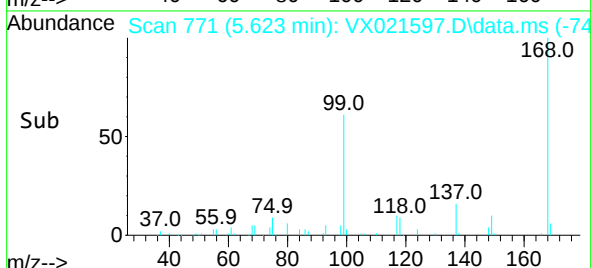
Tgt Ion:113 Resp: 39944
Ion Ratio Lower Upper
113 100
111 101.3 81.9 122.9
192 19.0 16.7 25.1

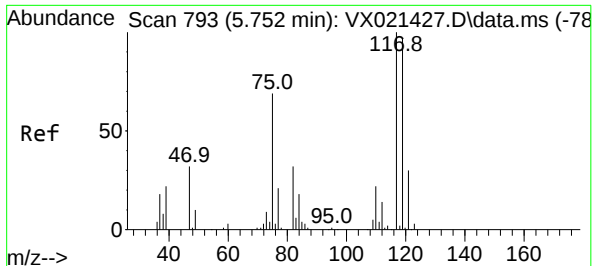


#36
1,1-Dichloropropene
Concen: 4.94 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.141 min
Lab File: VX021597.D
Acq: 29 Mar 2021 23:53



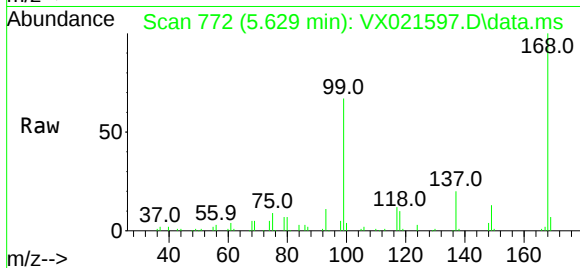
Tgt Ion: 75 Resp: 5347
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.4#
77 0.0 25.3 37.9#



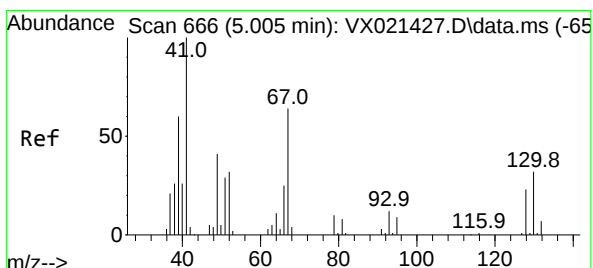
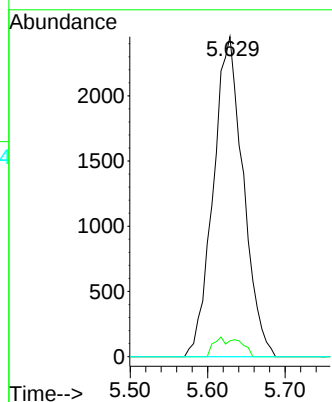
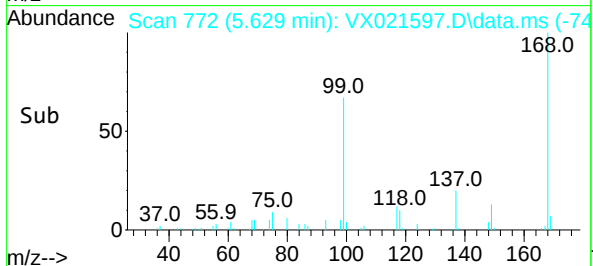


#38
Carbon Tetrachloride
Concen: 5.68 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021597.D
Acq: 29 Mar 2021 23:53

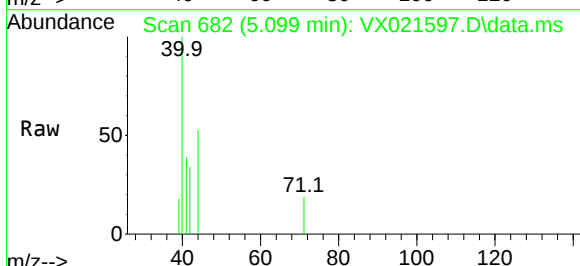
Instrument :
MSVOA_X
ClientSampled :



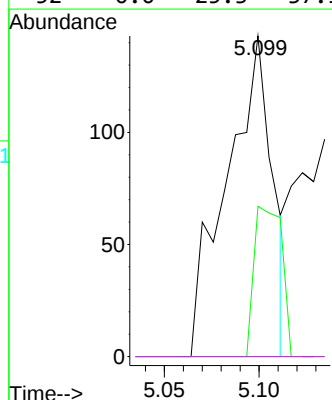
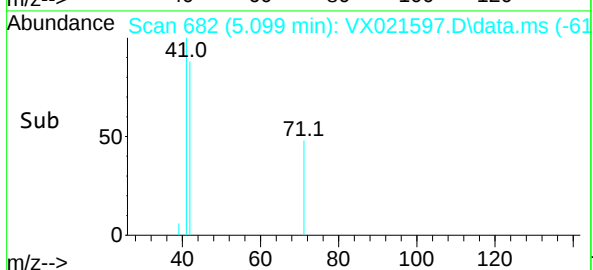
Tgt Ion:117 Resp: 6611
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#

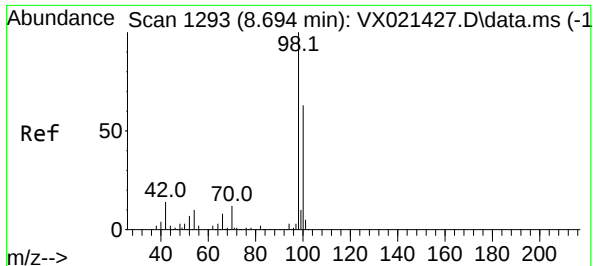


#41
Methacrylonitrile
Concen: 0.33 ug/l
RT: 5.099 min Scan# 682
Delta R.T. 0.094 min
Lab File: VX021597.D
Acq: 29 Mar 2021 23:53



Tgt Ion: 41 Resp: 240
Ion Ratio Lower Upper
41 100
39 28.3 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

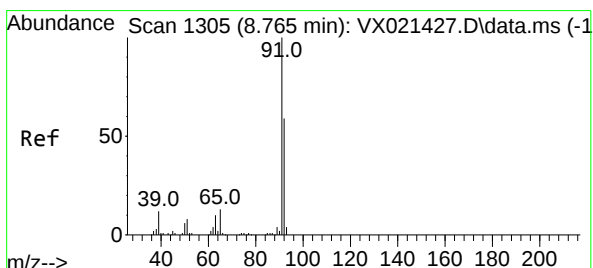
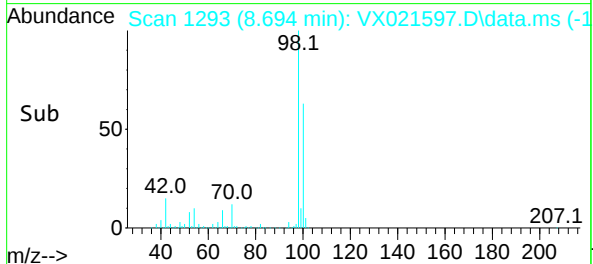
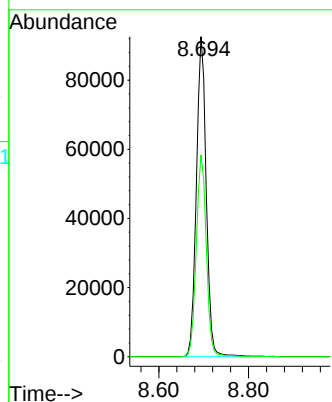
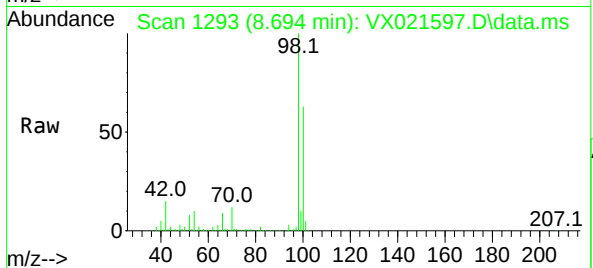




#50
Toluene-d8
Concen: 50.51 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021597.D
Acq: 29 Mar 2021 23:53

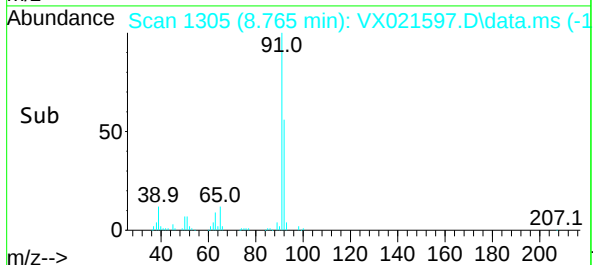
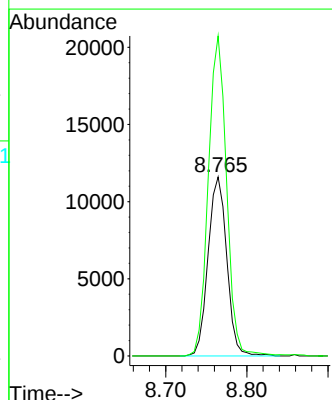
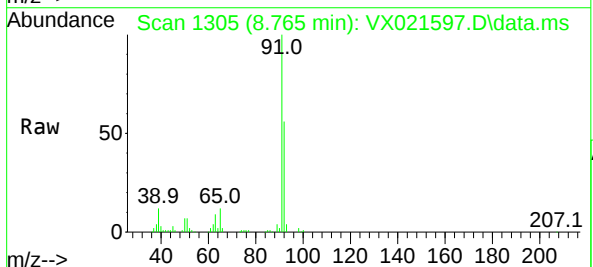
Instrument :
MSVOA_X
ClientSampled :

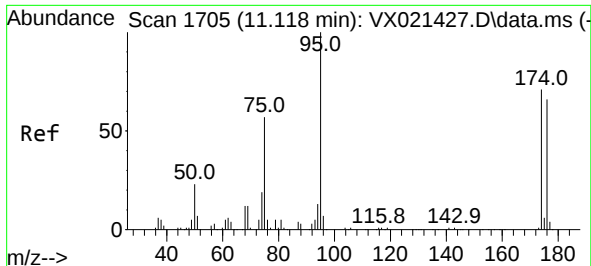
Tgt Ion: 98 Resp: 141303
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#52
Toluene
Concen: 9.77 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021597.D
Acq: 29 Mar 2021 23:53

Tgt Ion: 92 Resp: 18555
Ion Ratio Lower Upper
92 100
91 174.9 137.1 205.7

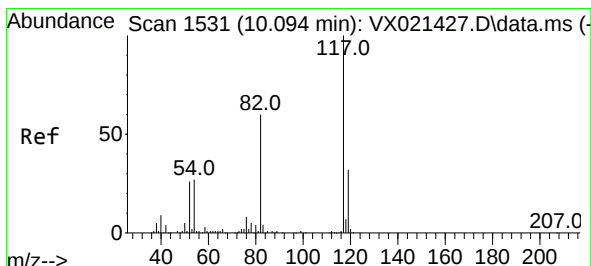
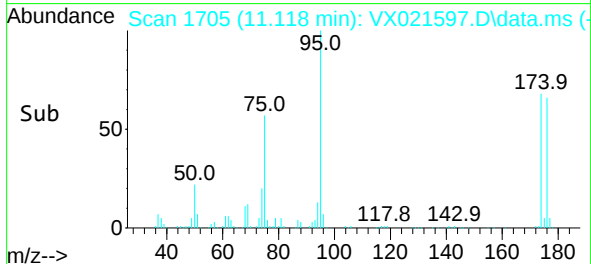
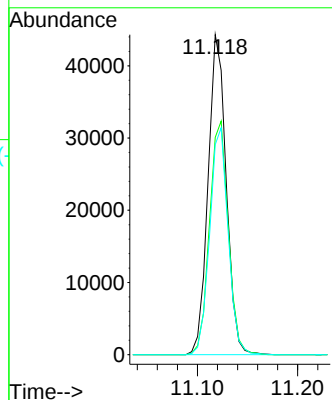
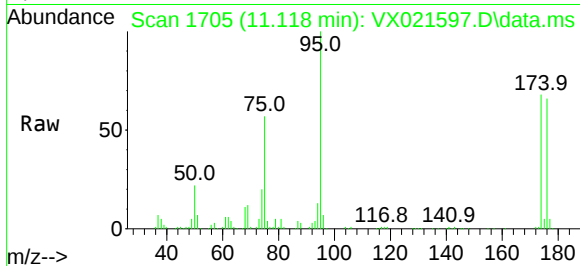




#62
4-Bromofluorobenzene
Concen: 51.34 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021597.D
Acq: 29 Mar 2021 23:53

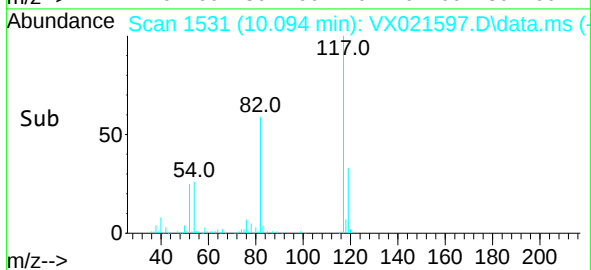
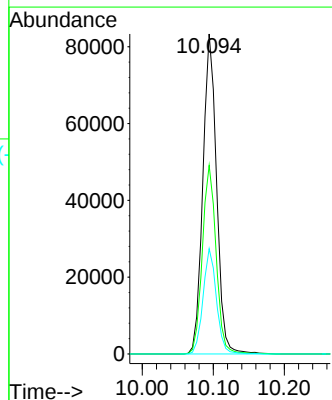
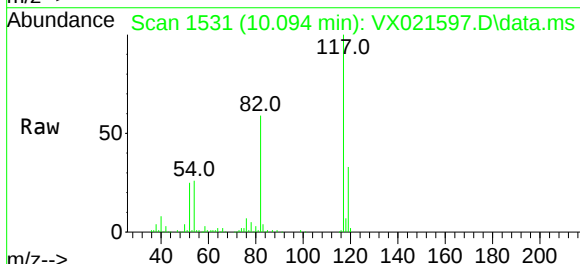
Instrument :
MSVOA_X
ClientSampled :

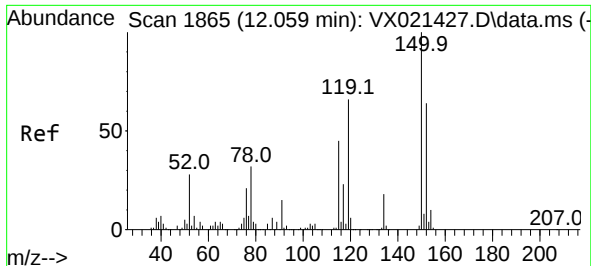
Tgt Ion: 95 Resp: 55840
Ion Ratio Lower Upper
95 100
174 75.6 0.0 154.6
176 71.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021597.D
Acq: 29 Mar 2021 23:53

Tgt Ion: 117 Resp: 112388
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.2
119 32.9 26.6 39.8

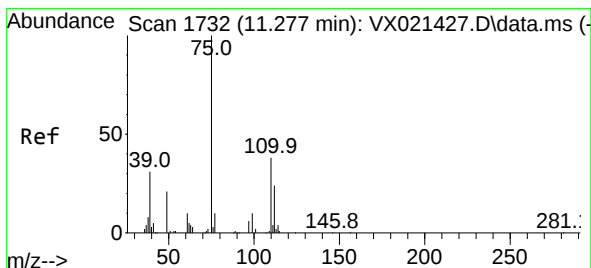
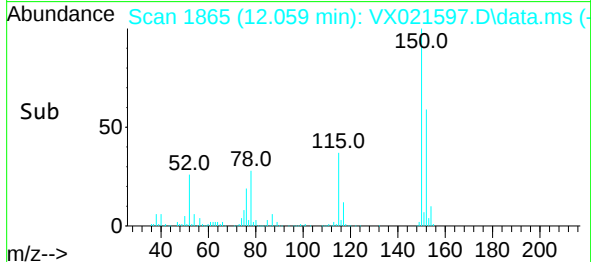
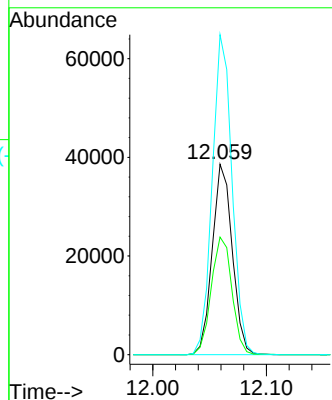
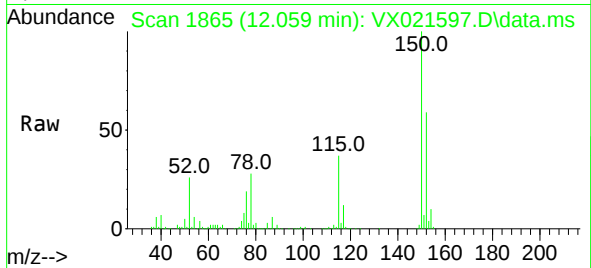




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. 0.000 min
 Lab File: VX021597.D
 Acq: 29 Mar 2021 23:53

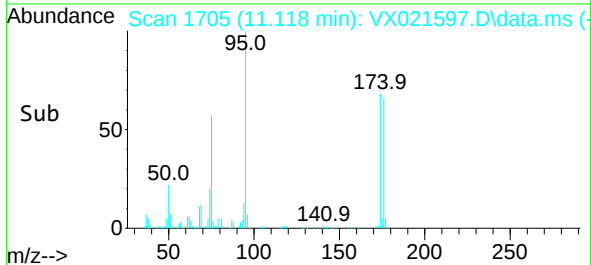
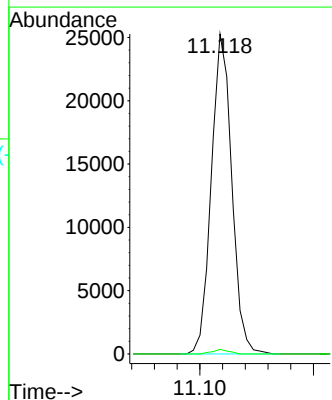
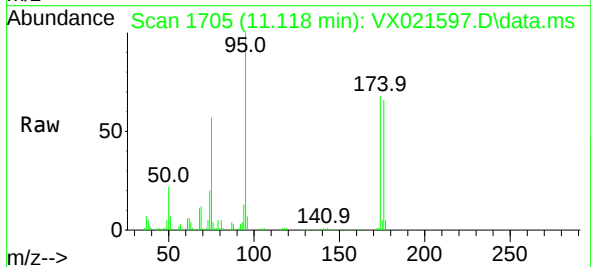
Instrument :
 MSVOA_X
 ClientSampleId :

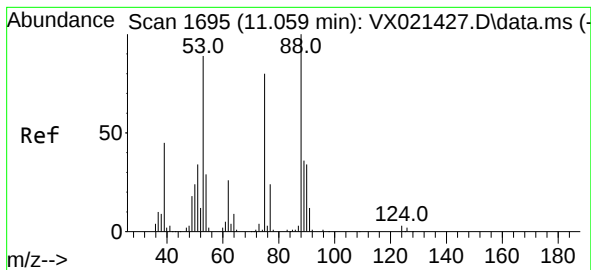
Tgt Ion:152 Resp: 47318
 Ion Ratio Lower Upper
 152 100
 115 63.7 41.1 123.3
 150 166.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.69 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021597.D
 Acq: 29 Mar 2021 23:53

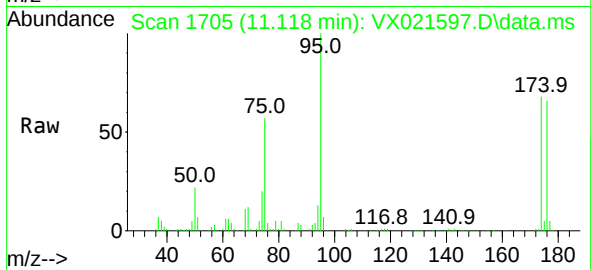
Tgt Ion: 75 Resp: 31600
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.38 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021597.D
 Acq: 29 Mar 2021 23:53

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 31600
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

