

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032421\
 Data File : VX021470.D
 Acq On : 25 Mar 2021 05:43
 Operator : JC/MD
 Sample : M1787-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 25 06:57:44 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)

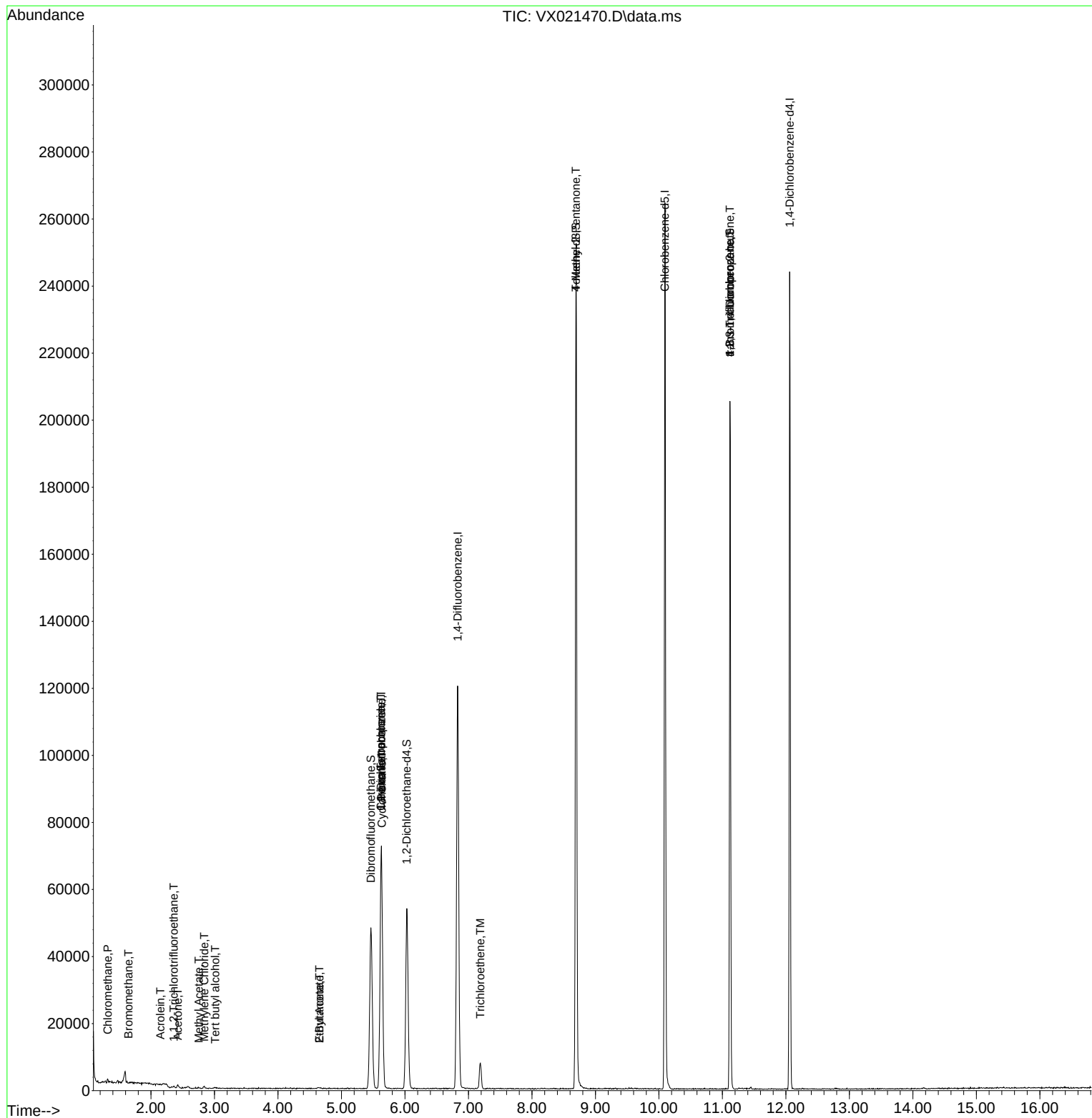
Internal Standards						
1) Pentafluorobenzene	5.629	168	60379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	109889	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	107888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	45155	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	52102	51.86	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.72%	
35) Dibromofluoromethane	5.464	113	39994	51.24	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.48%	
50) Toluene-d8	8.694	98	139509	50.15	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.30%	
62) 4-Bromofluorobenzene	11.118	95	52537	48.58	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.16%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.316	50	1657	2.21	ug/l	100
5) Bromomethane	1.646	94	93	0.34	ug/l #	2
9) 1,1,2-Trichlorotrifluo...	2.358	101	233	0.37	ug/l #	71
11) Tert butyl alcohol	3.011	59	246	1.48	ug/l #	73
13) Acrolein	2.146	56	43	4.80	ug/l	85
16) Acetone	2.422	43	923	2.43	ug/l #	84
18) Methyl Acetate	2.752	43	283	0.26	ug/l #	47
20) Methylene Chloride	2.840	84	167	0.23	ug/l #	90
25) 2-Butanone	4.652	43	575	1.00	ug/l #	45
31) Cyclohexane	5.635	56	1769	1.60	ug/l #	40
36) 1,1-Dichloropropene	5.623	75	5572	5.18	ug/l #	41
37) Ethyl Acetate	4.652	43	575	0.46	ug/l #	64
38) Carbon Tetrachloride	5.623	117	6685	5.78	ug/l #	17
44) Trichloroethene	7.188	130	2869	3.56	ug/l	94
51) 4-Methyl-2-Pentanone	8.694	43	877	0.71	ug/l #	1
76) 1,2,3-Trichloropropane	11.118	75	29778	28.33	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	29778	86.28	ug/l #	12

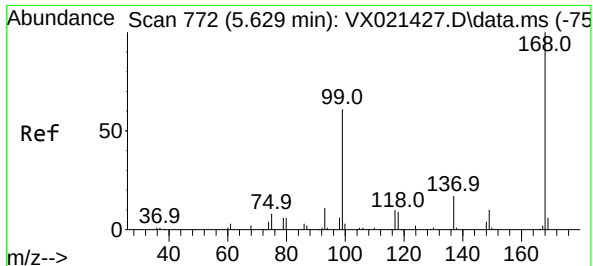
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
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QLast Update : Wed Mar 24 12:25:26 2021
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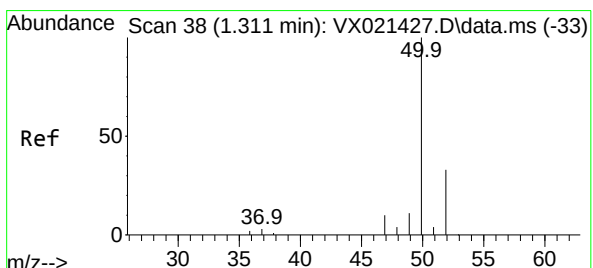
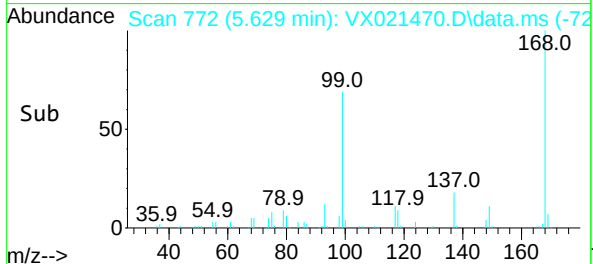
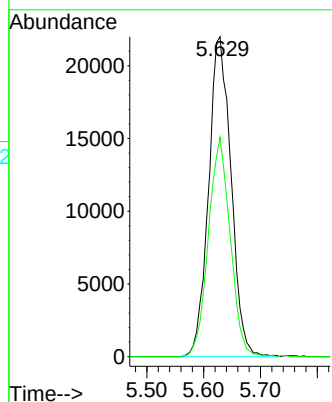
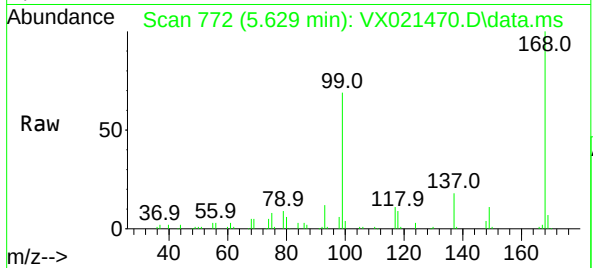




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

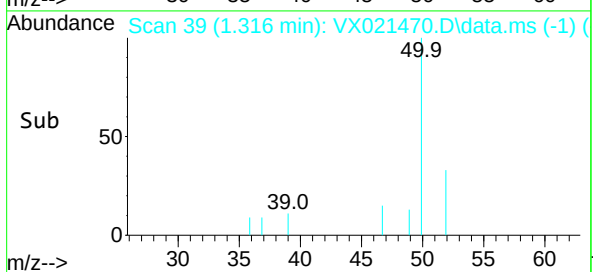
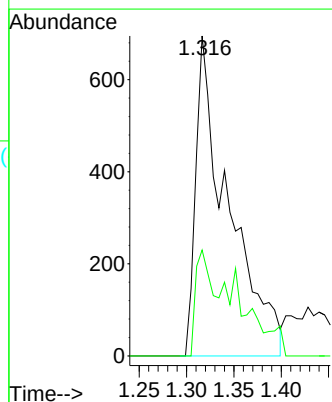
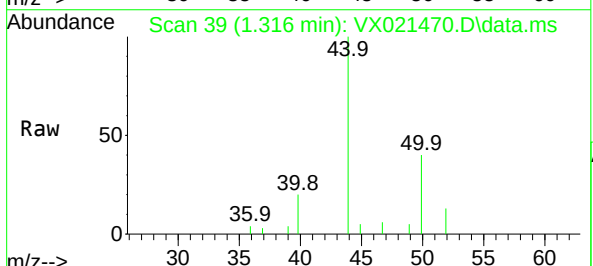
Instrument :
MSVOA_X
ClientSampleId :

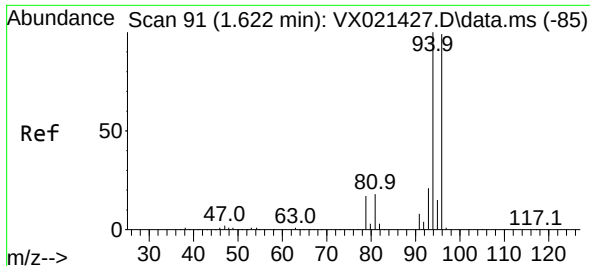
Tgt Ion:168 Resp: 60379
Ion Ratio Lower Upper
168 100
99 68.5 45.8 68.6



#3
Chloromethane
Concen: 2.21 ug/l
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

Tgt Ion: 50 Resp: 1657
Ion Ratio Lower Upper
50 100
52 33.1 26.4 39.6

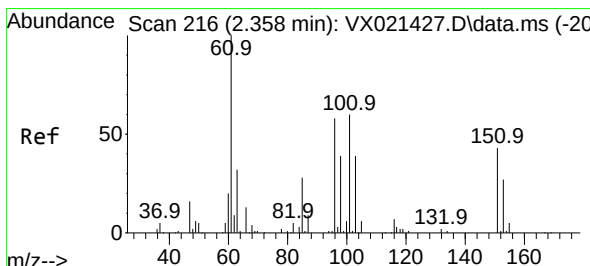
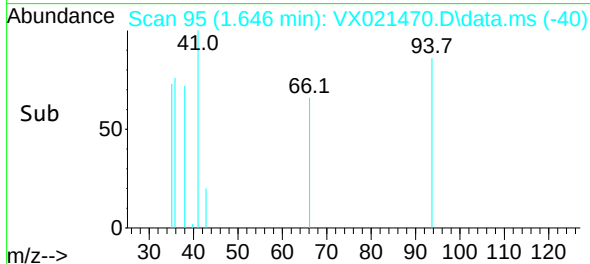
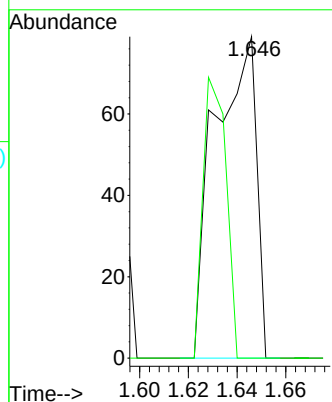
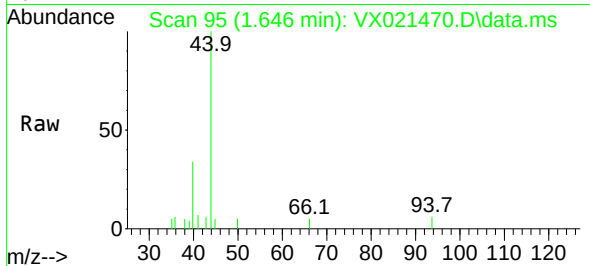




#5
Bromomethane
Concen: 0.34 ug/l
RT: 1.646 min Scan# 95
Delta R.T. 0.024 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

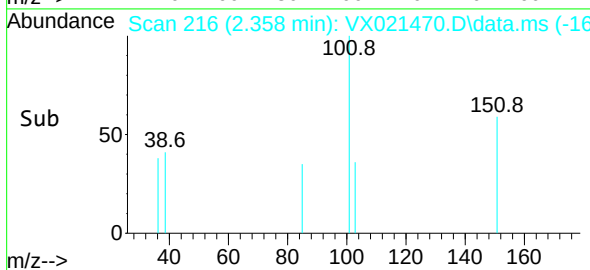
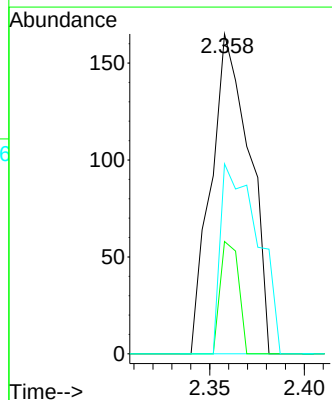
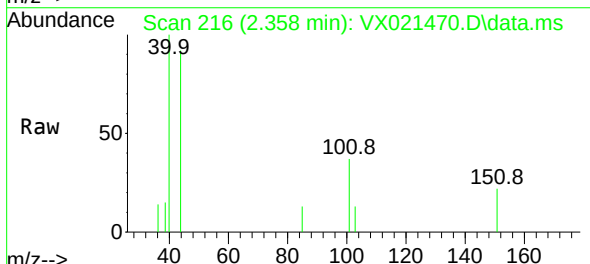
Instrument :
MSVOA_X
ClientSampled :

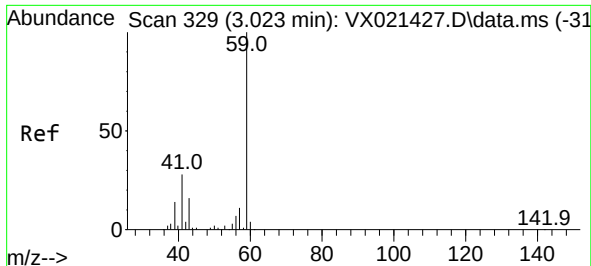
Tgt Ion: 94 Resp: 93
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.37 ug/l
RT: 2.358 min Scan# 216
Delta R.T. -0.000 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

Tgt Ion: 101 Resp: 233
Ion Ratio Lower Upper
101 100
85 16.7 34.9 52.3#
151 57.5 61.4 92.2#

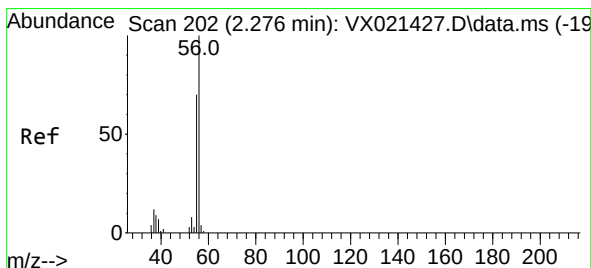
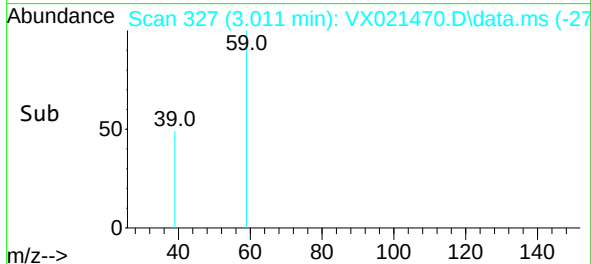
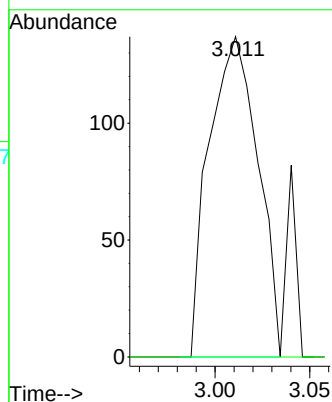
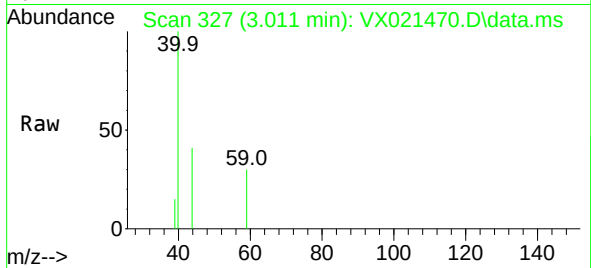




#11
Tert butyl alcohol
Concen: 1.48 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.012 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

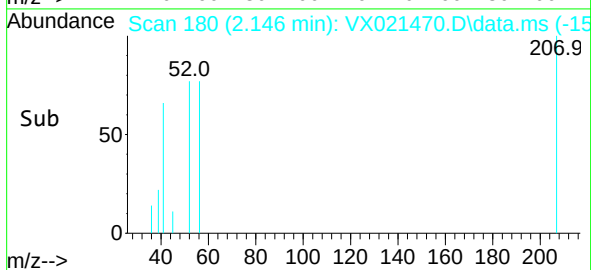
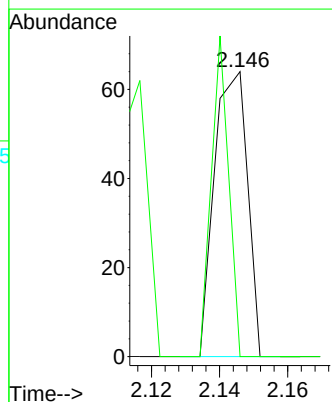
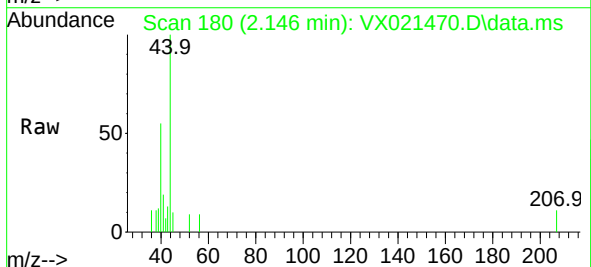
Instrument :
MSVOA_X
ClientSampled :

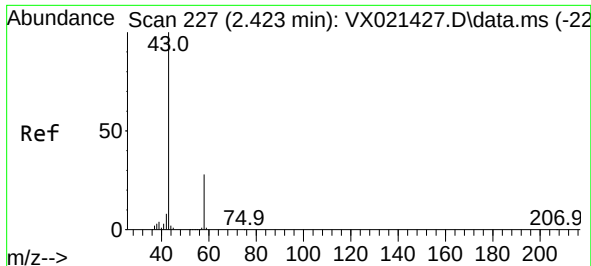
Tgt Ion: 59 Resp: 246
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 4.80 ug/l
RT: 2.146 min Scan# 180
Delta R.T. -0.130 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

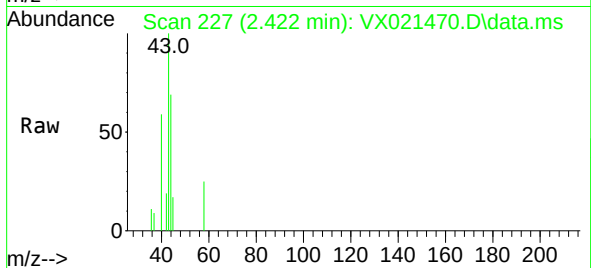
Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 58.1 56.4 84.6



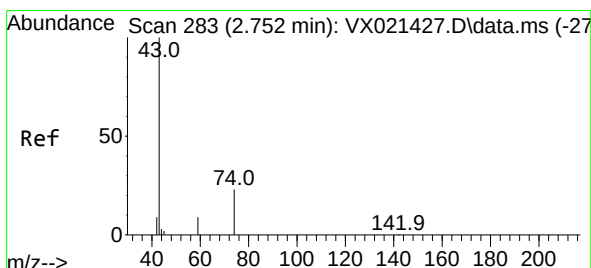
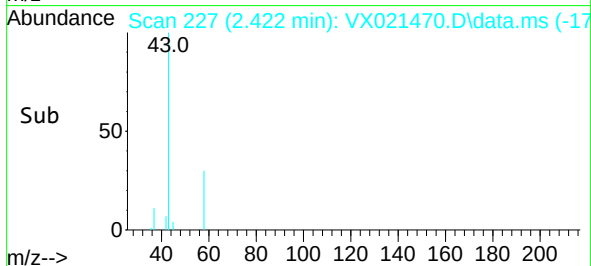
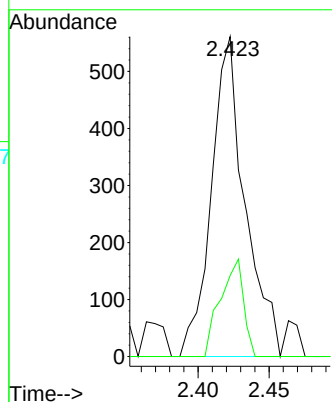


#16
Acetone
Concen: 2.43 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

Instrument :
MSVOA_X
ClientSampleId :

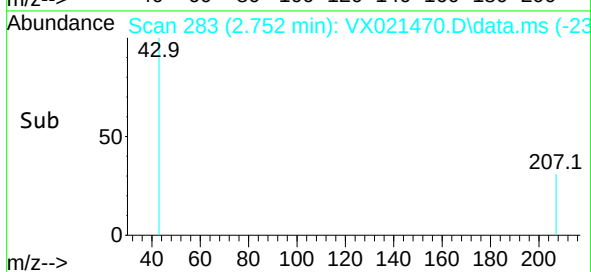
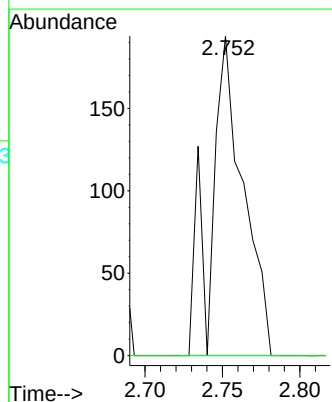
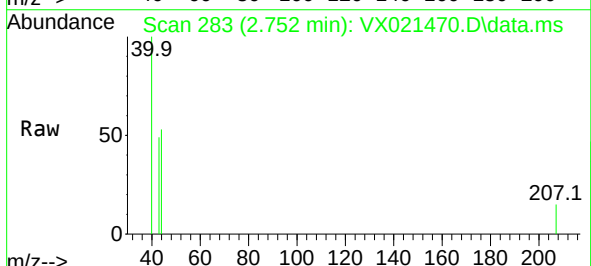


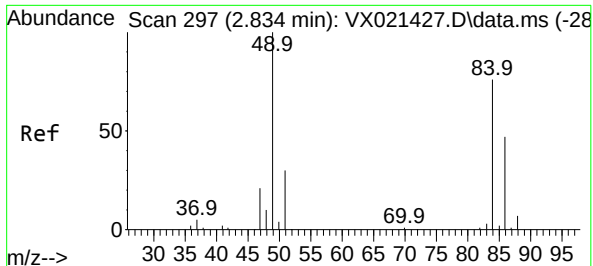
Tgt Ion: 43 Resp: 923
Ion Ratio Lower Upper
43 100
58 25.3 27.8 41.8#



#18
Methyl Acetate
Concen: 0.26 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

Tgt Ion: 43 Resp: 283
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.23 ug/l

RT: 2.840 min Scan# 298

Delta R.T. 0.006 min

Lab File: VX021470.D

Acq: 25 Mar 2021 05:43

Tgt Ion: 84 Resp: 167

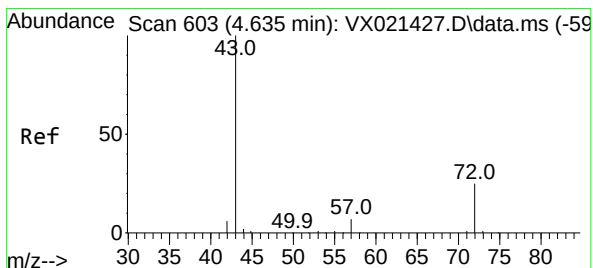
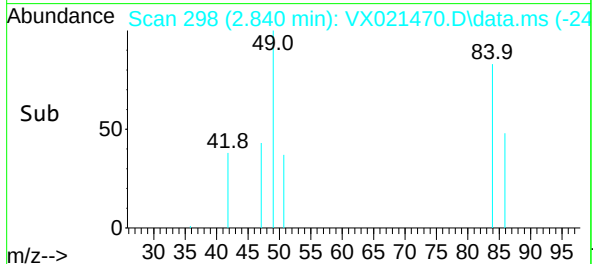
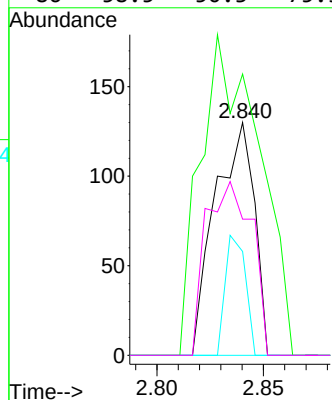
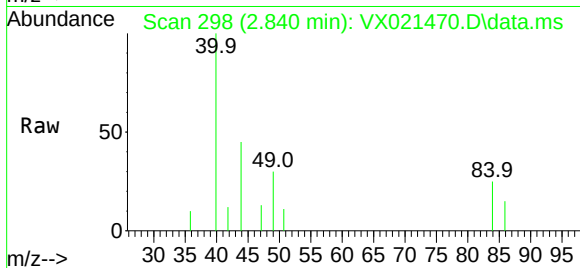
Ion Ratio Lower Upper

84 100

49 120.8 88.6 132.8

51 44.6 27.0 40.6#

86 58.5 50.3 75.5



#25

2-Butanone

Concen: 1.00 ug/l

RT: 4.652 min Scan# 606

Delta R.T. 0.017 min

Lab File: VX021470.D

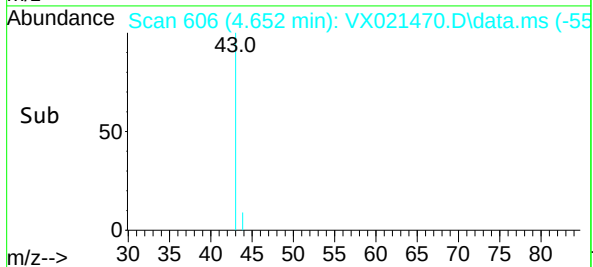
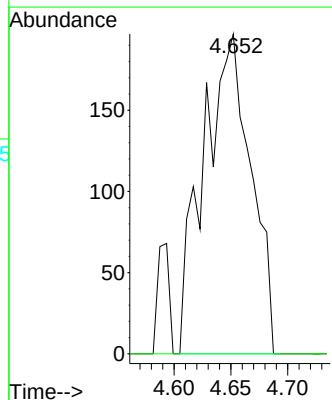
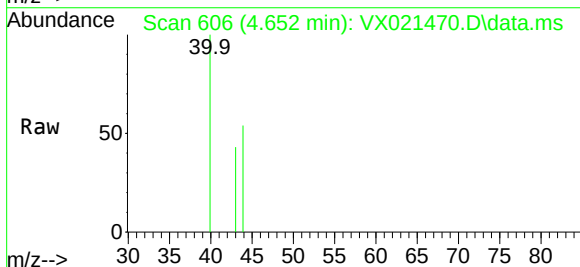
Acq: 25 Mar 2021 05:43

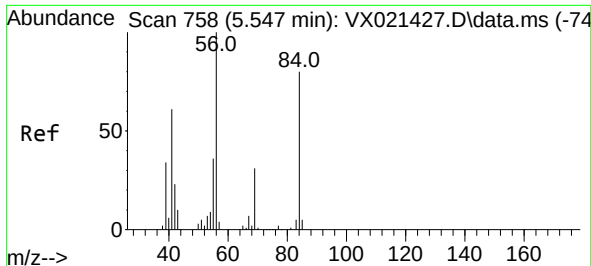
Tgt Ion: 43 Resp: 575

Ion Ratio Lower Upper

43 100

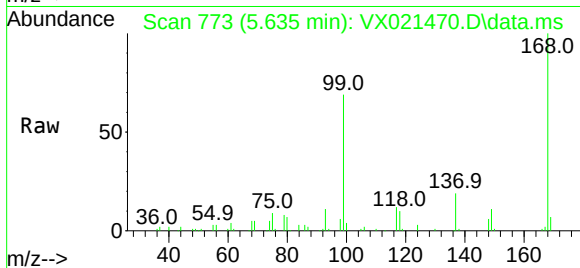
72 0.0 23.7 35.5#



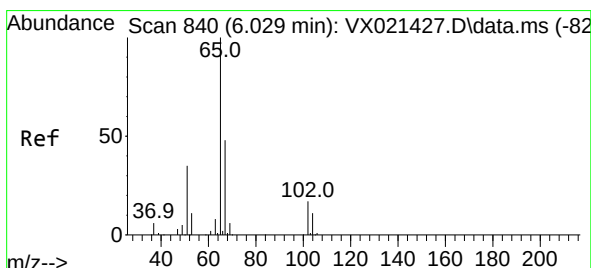
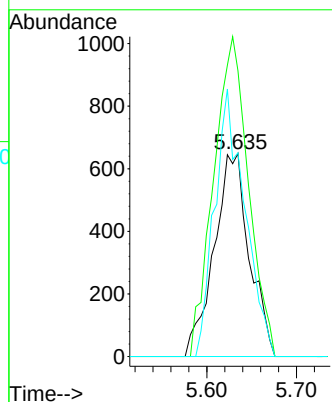
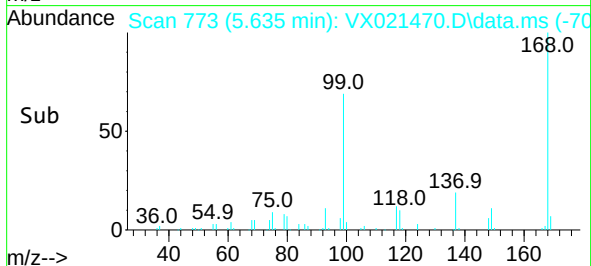


#31
Cyclohexane
Concen: 1.60 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.088 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

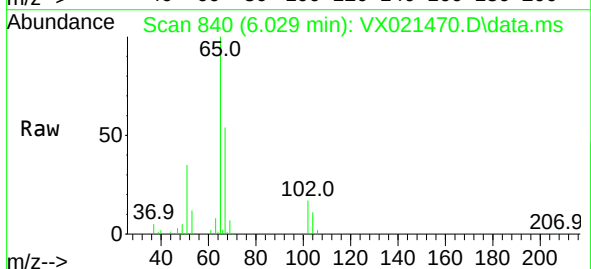
Instrument :
MSVOA_X
ClientSampleId :



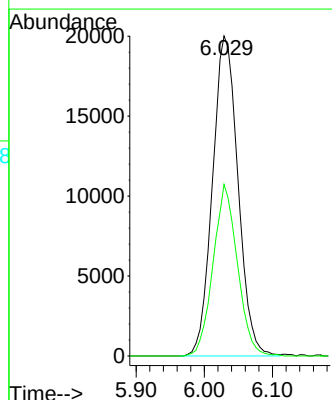
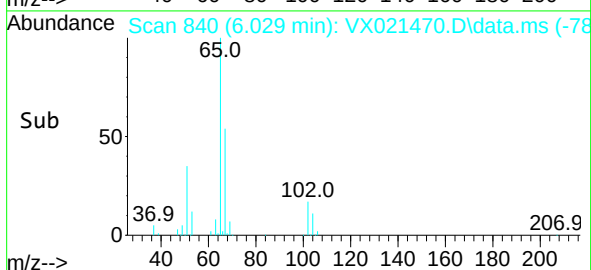
Tgt Ion: 56 Resp: 1769
Ion Ratio Lower Upper
56 100
69 140.7 25.3 37.9#
84 100.3 71.4 107.0

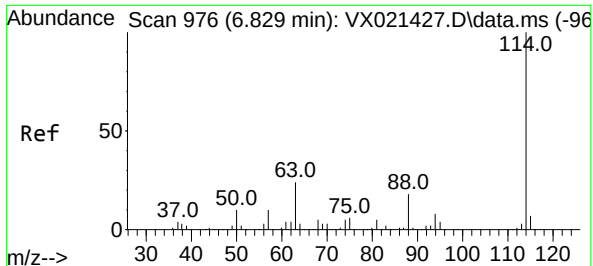


#33
1,2-Dichloroethane-d4
Concen: 51.86 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43



Tgt Ion: 65 Resp: 52102
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.4

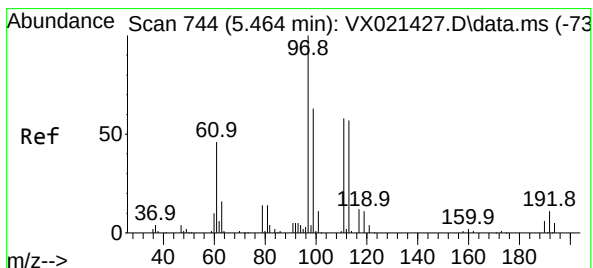
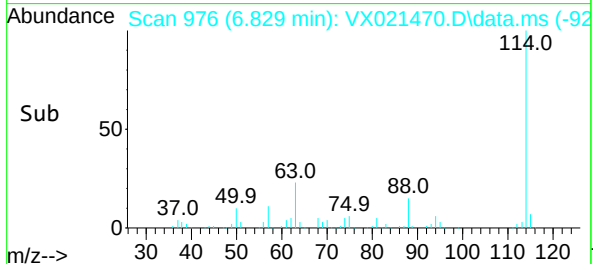
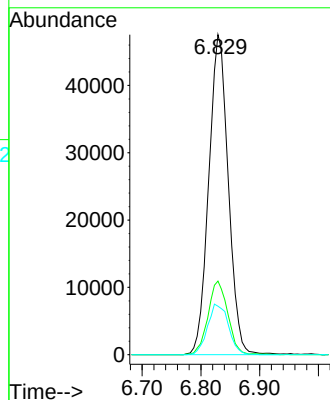
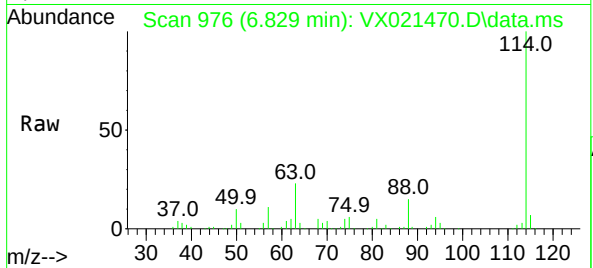




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

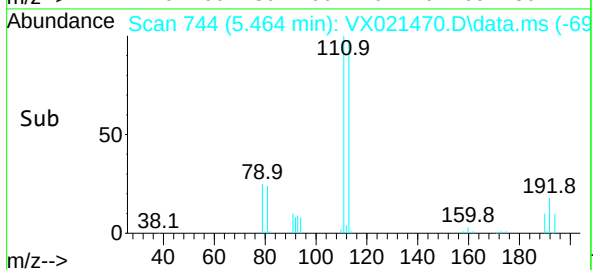
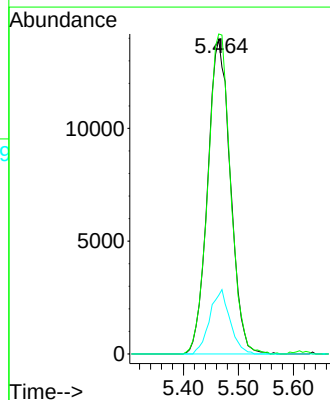
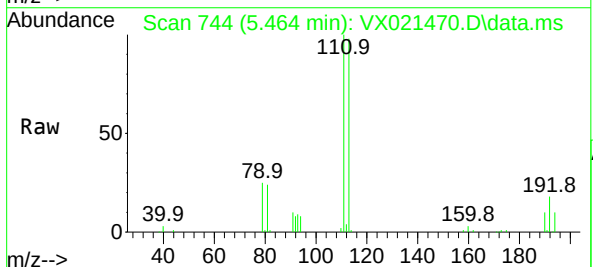
Instrument :
MSVOA_X
ClientSampleId :

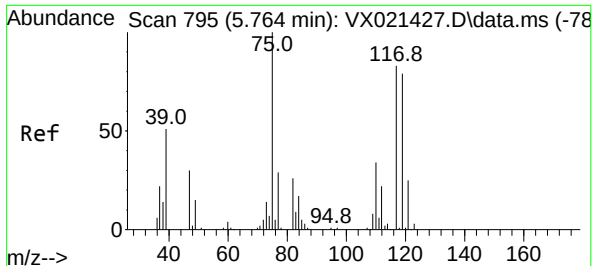
Tgt Ion:114 Resp: 109889
Ion Ratio Lower Upper
114 100
63 23.0 0.0 40.8
88 15.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.24 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

Tgt Ion:113 Resp: 39994
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 18.2 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.18 ug/l

RT: 5.623 min Scan# 771

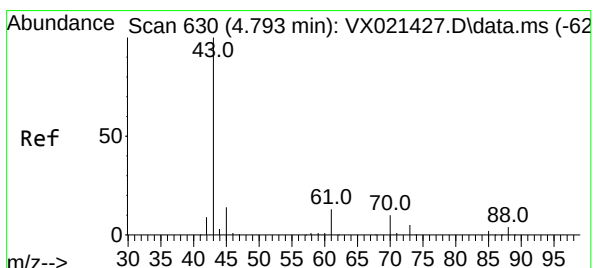
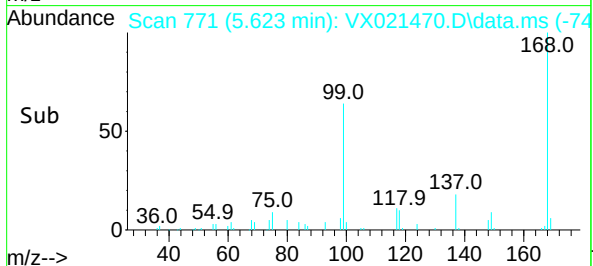
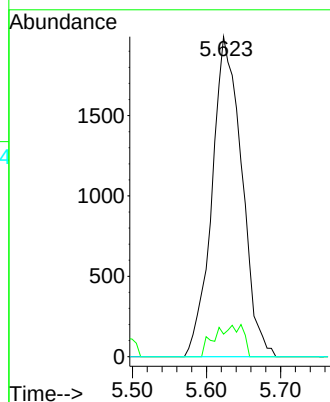
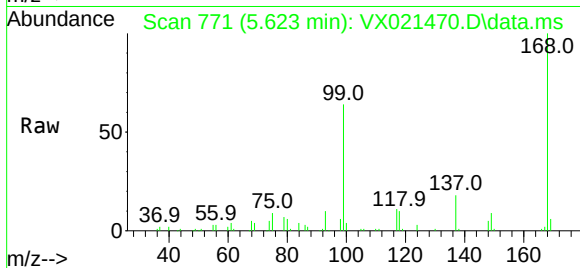
Delta R.T. -0.141 min

Lab File: VX021470.D

Acq: 25 Mar 2021 05:43

Tgt Ion:	75	Resp:	5572
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :



#37

Ethyl Acetate

Concen: 0.46 ug/l

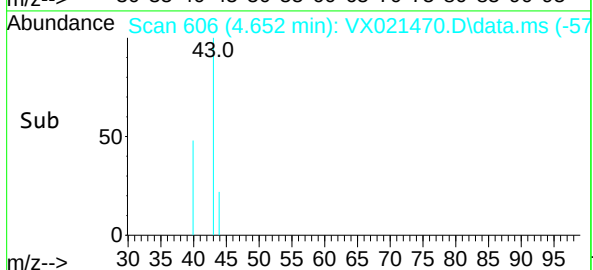
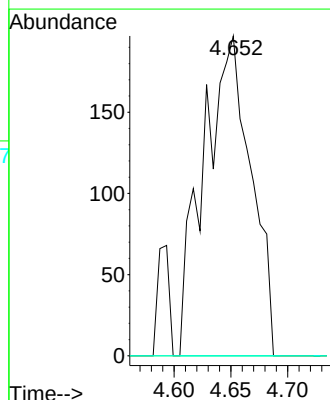
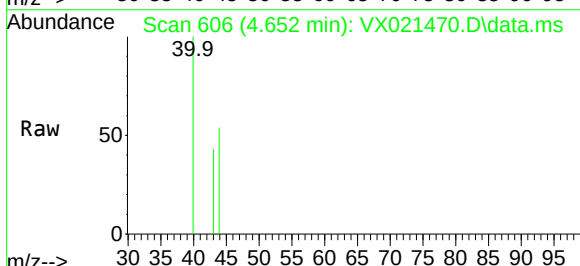
RT: 4.652 min Scan# 606

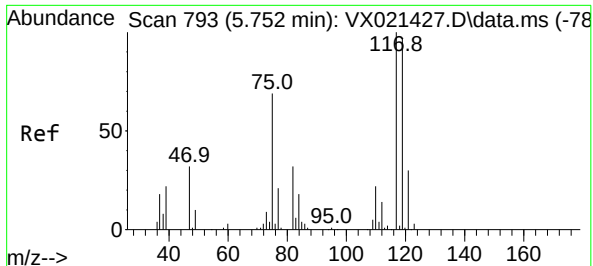
Delta R.T. -0.141 min

Lab File: VX021470.D

Acq: 25 Mar 2021 05:43

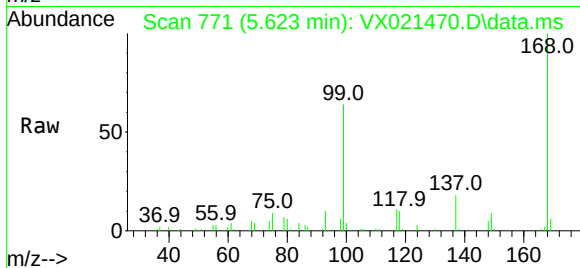
Tgt Ion:	43	Resp:	575
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



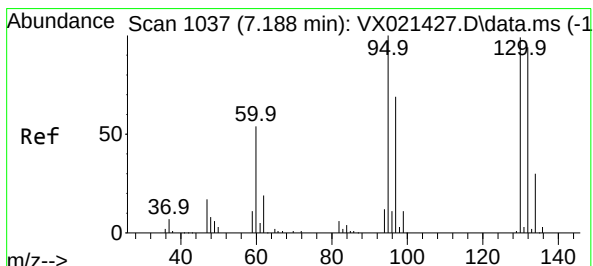
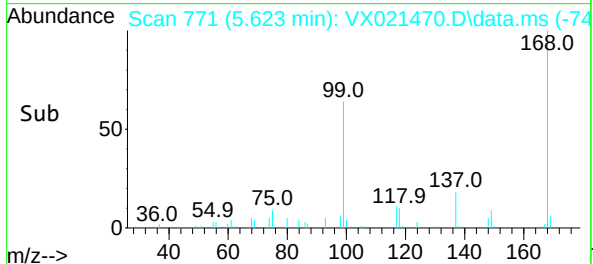
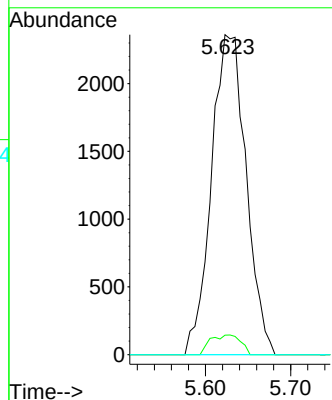


#38
Carbon Tetrachloride
Concen: 5.78 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.129 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

Instrument :
MSVOA_X
ClientSampled :

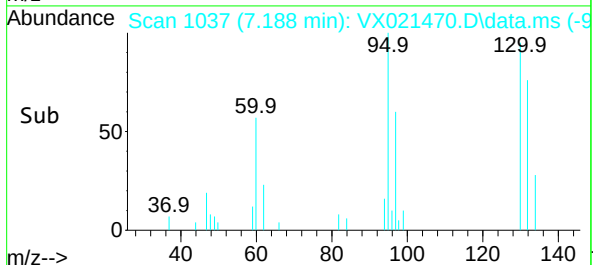
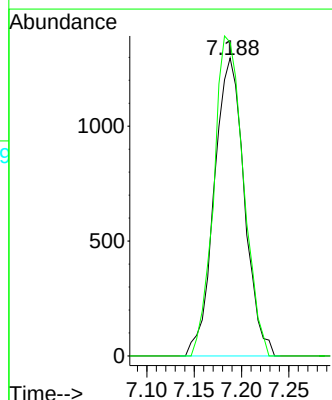
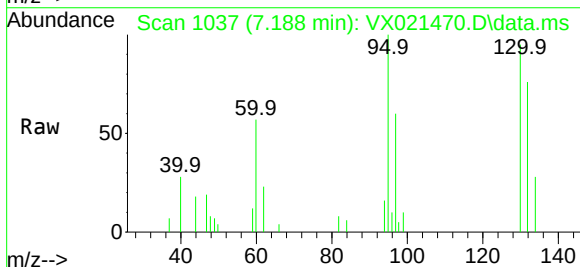


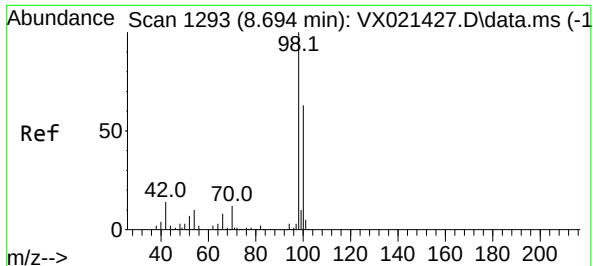
Tgt Ion:117 Resp: 6685
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 3.56 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

Tgt Ion:130 Resp: 2869
Ion Ratio Lower Upper
130 100
95 105.2 0.0 198.0

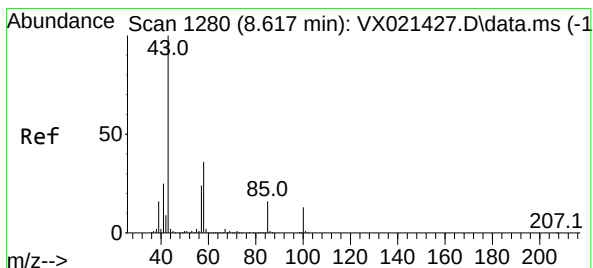
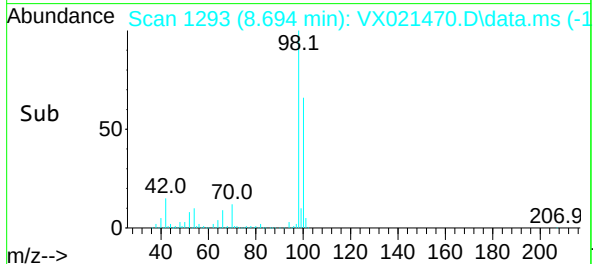
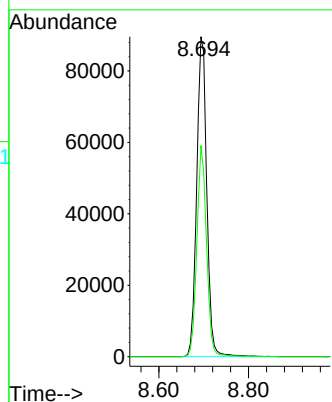
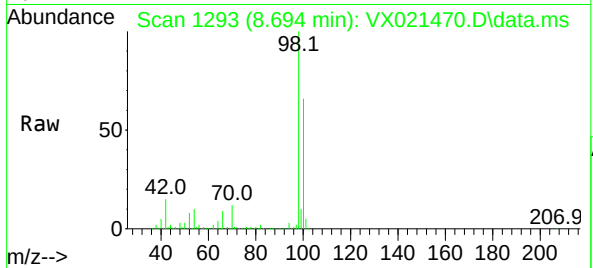




#50
Toluene-d8
Concen: 50.15 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

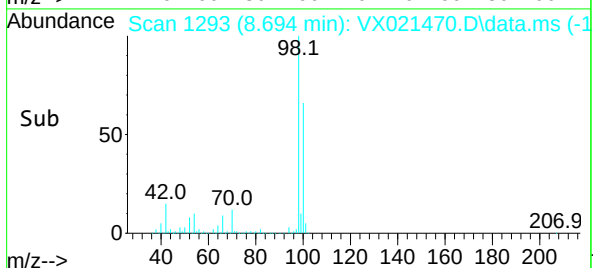
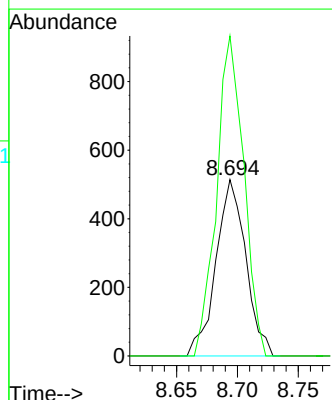
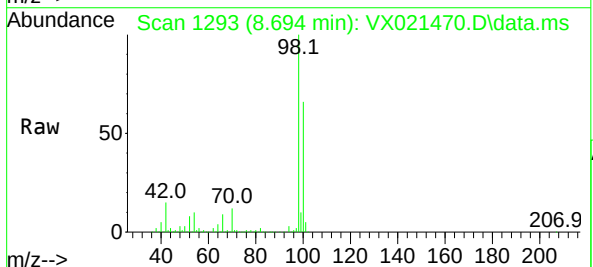
Instrument :
MSVOA_X
ClientSampled :

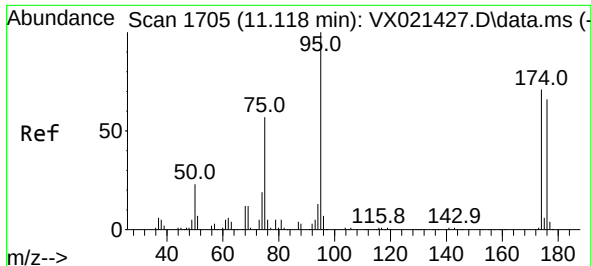
Tgt Ion: 98 Resp: 139509
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.71 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.077 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

Tgt Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
58 165.6 35.4 53.0#

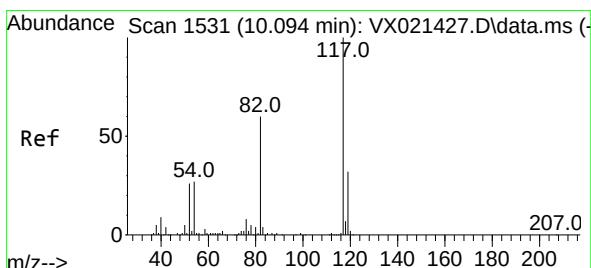
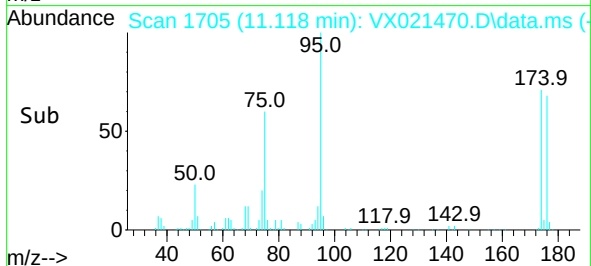
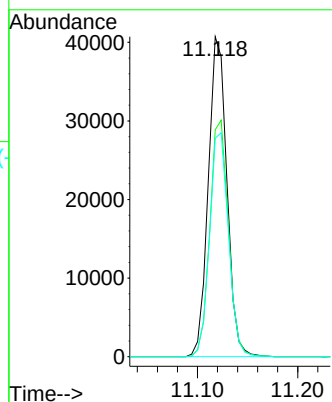
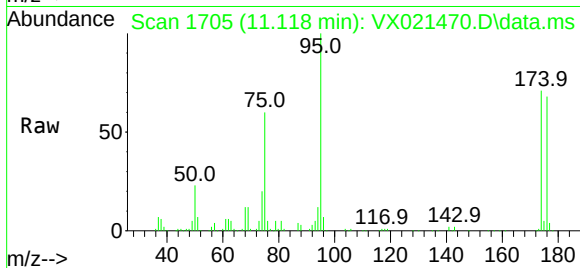




#62
4-Bromofluorobenzene
Concen: 48.58 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

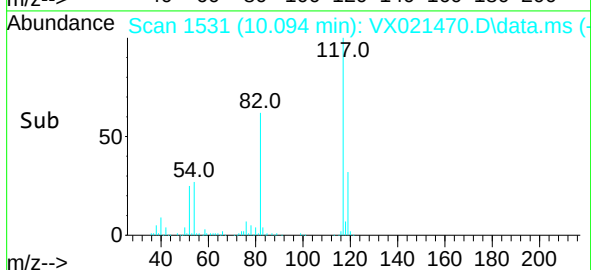
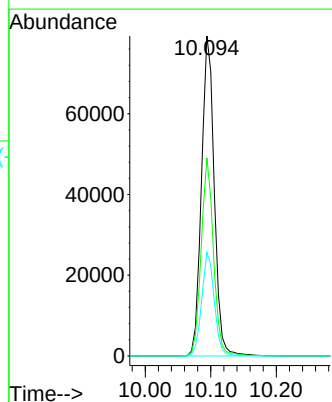
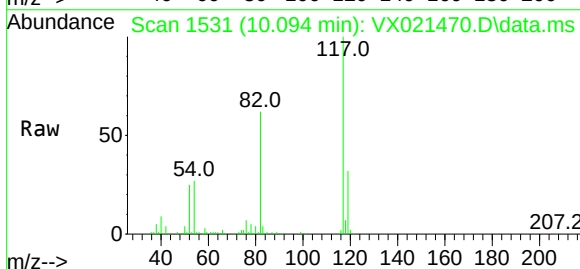
Instrument :
MSVOA_X
ClientSampleId :

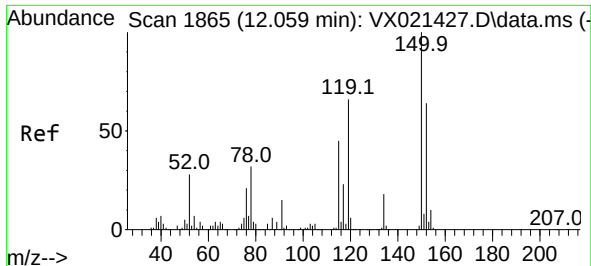
Tgt Ion: 95 Resp: 52537
Ion Ratio Lower Upper
95 100
174 73.9 0.0 154.6
176 71.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

Tgt Ion: 117 Resp: 107888
Ion Ratio Lower Upper
117 100
82 61.8 47.4 71.2
119 32.4 26.6 39.8

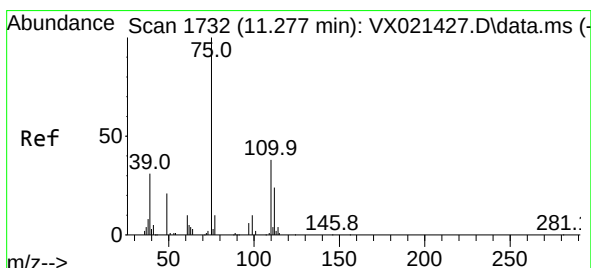
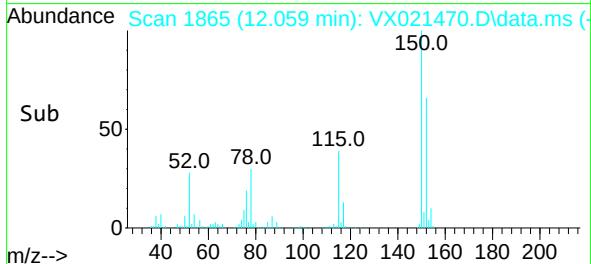
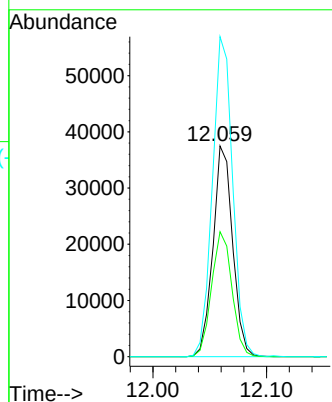
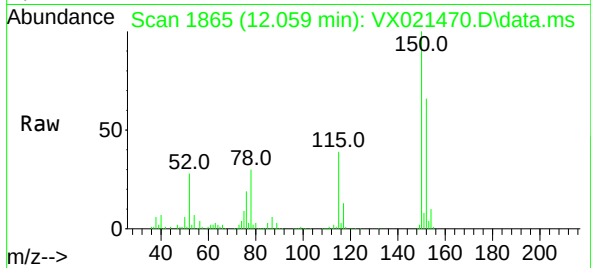




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

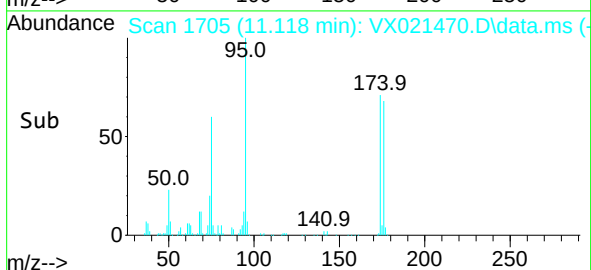
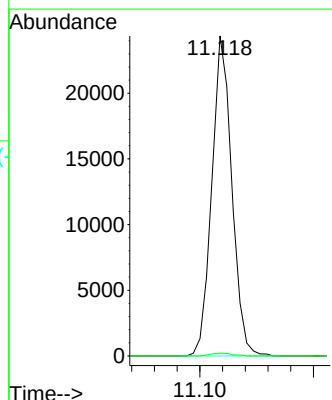
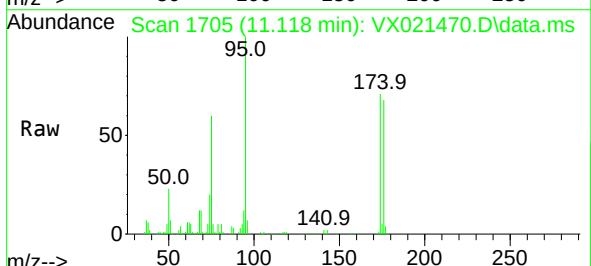
Instrument :
MSVOA_X
ClientSampleId :

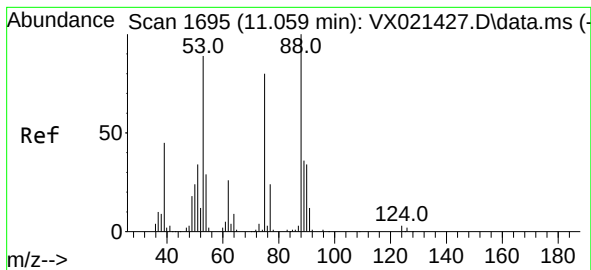
Tgt Ion:152 Resp: 45155
Ion Ratio Lower Upper
152 100
115 61.2 41.1 123.3
150 156.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 28.33 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021470.D
Acq: 25 Mar 2021 05:43

Tgt Ion: 75 Resp: 29778
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 86.28 ug/l

RT: 11.118 min Scan# 1705

Delta R.T. 0.059 min

Lab File: VX021470.D

Acq: 25 Mar 2021 05:43

Tgt Ion: 75 Resp: 29778

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

Instrument :

MSVOA_X

ClientSampleId :

