

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032921\
 Data File : VX021585.D
 Acq On : 29 Mar 2021 18:23
 Operator : JC/MD
 Sample : M1862-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 30 03:31:11 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)

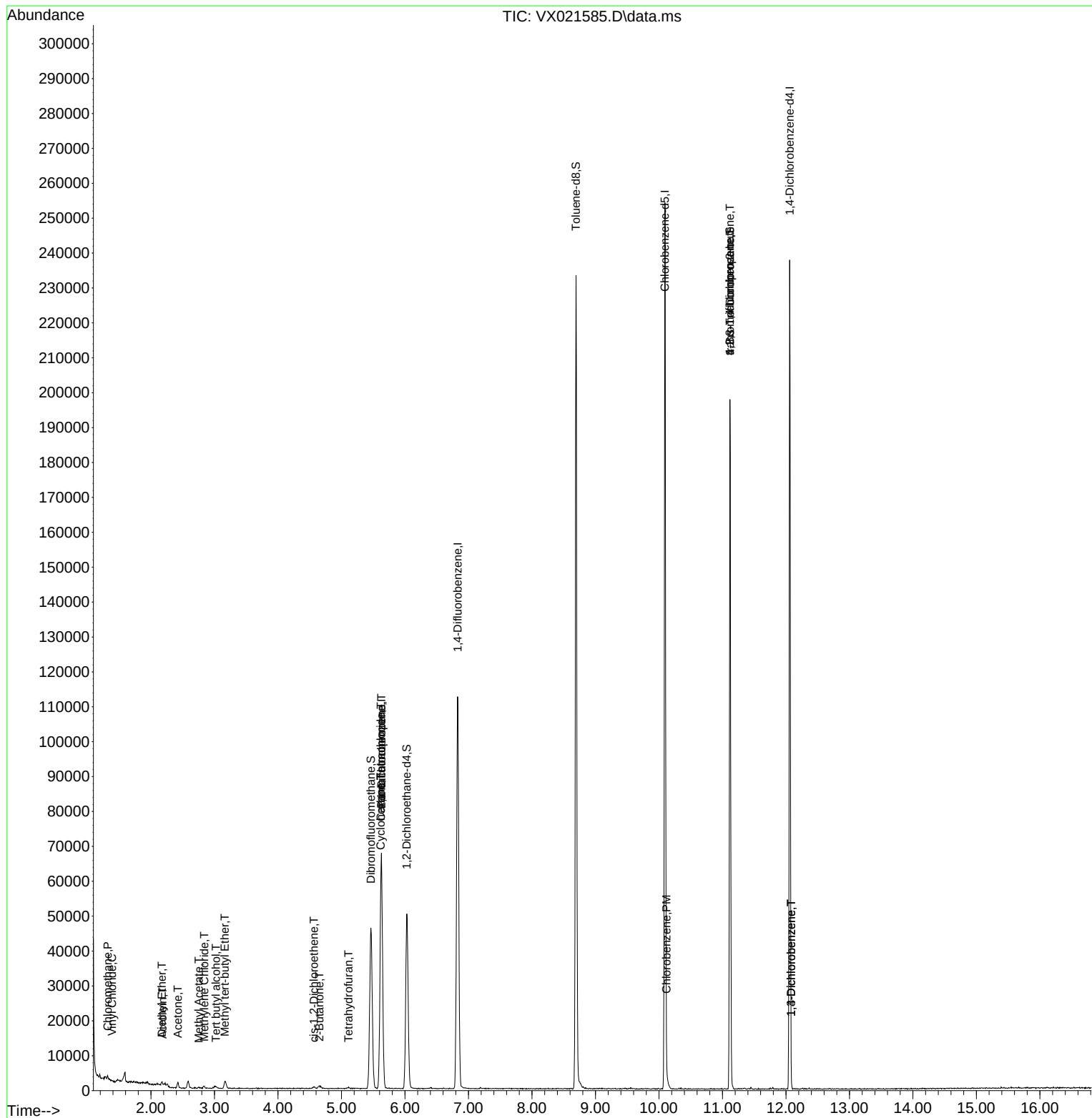
Internal Standards						
1) Pentafluorobenzene	5.629	168	56807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	106330	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	105413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	43395	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	49587	52.46	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.92%
35) Dibromofluoromethane	5.464	113	37863	50.13	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.26%
50) Toluene-d8	8.694	98	132917	49.38	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.76%
62) 4-Bromofluorobenzene	11.118	95	51263	48.99	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.98%
Target Compounds						
					Qvalue	
3) Chloromethane	1.316	50	1411	2.01	ug/l	99
4) Vinyl Chloride	1.387	62	142	0.22	ug/l #	43
8) Diethyl Ether	2.169	74	205	0.57	ug/l #	1
11) Tert butyl alcohol	3.022	59	705	4.51	ug/l #	73
13) Acrolein	2.181	56	45	4.86	ug/l #	1
16) Acetone	2.422	43	1513	4.23	ug/l	97
18) Methyl Acetate	2.752	43	348	0.34	ug/l #	47
19) Methyl tert-butyl Ether	3.164	73	1993	0.93	ug/l #	90
20) Methylene Chloride	2.840	84	263	0.38	ug/l #	85
25) 2-Butanone	4.652	43	142	0.26	ug/l #	45
27) cis-1,2-Dichloroethene	4.564	96	269	0.37	ug/l	60
29) Tetrahydrofuran	5.111	42	249	0.71	ug/l #	44
31) Cyclohexane	5.617	56	1512	1.45	ug/l #	33
36) 1,1-Dichloropropene	5.629	75	5054	4.85	ug/l #	49
38) Carbon Tetrachloride	5.623	117	6451	5.76	ug/l #	16
65) Chlorobenzene	10.118	112	479	0.23	ug/l	90
76) 1,2,3-Trichloropropane	11.118	75	28727	28.44	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	28727	86.62	ug/l #	12
87) 1,3-Dichlorobenzene	12.082	146	322	0.24	ug/l #	32
88) 1,4-Dichlorobenzene	12.082	146	322	0.23	ug/l #	32

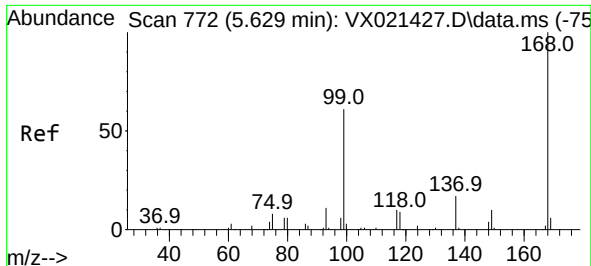
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

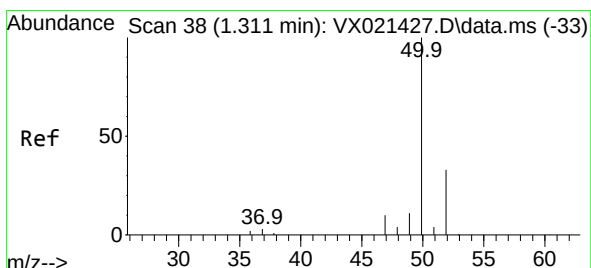
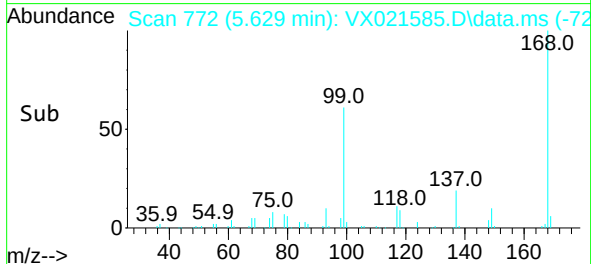
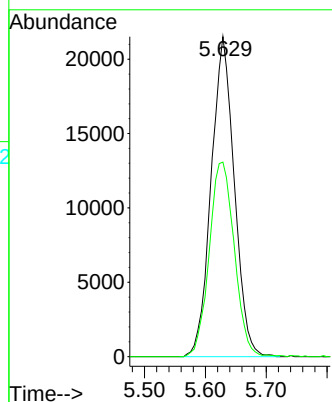
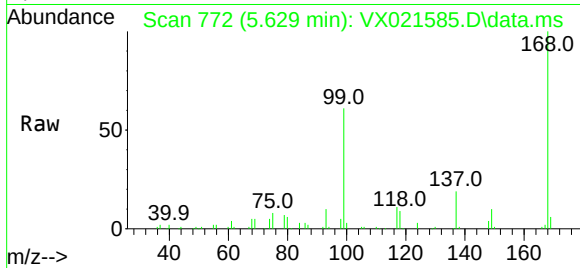




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

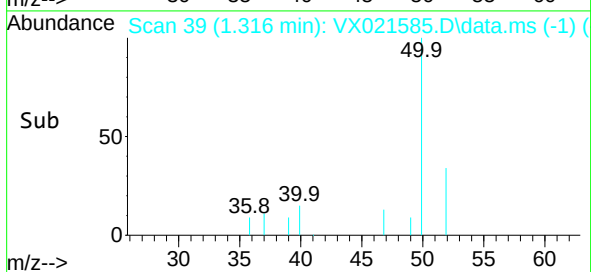
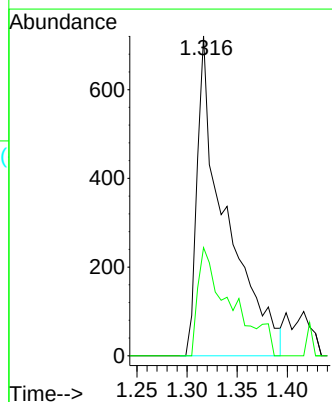
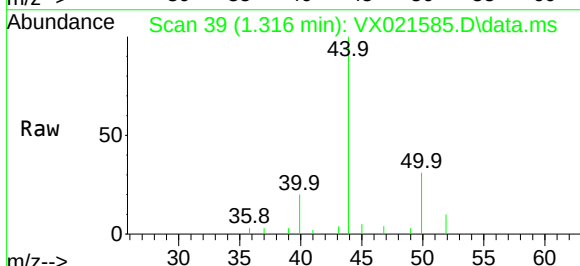
Instrument :
MSVOA_X
ClientSampleId :

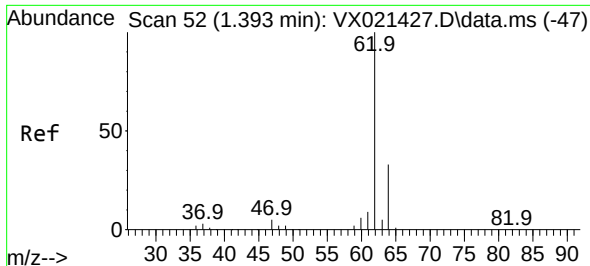
Tgt Ion:168 Resp: 56807
Ion Ratio Lower Upper
168 100
99 60.8 45.8 68.6



#3
Chloromethane
Concen: 2.01 ug/l
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

Tgt Ion: 50 Resp: 1411
Ion Ratio Lower Upper
50 100
52 33.8 26.4 39.6

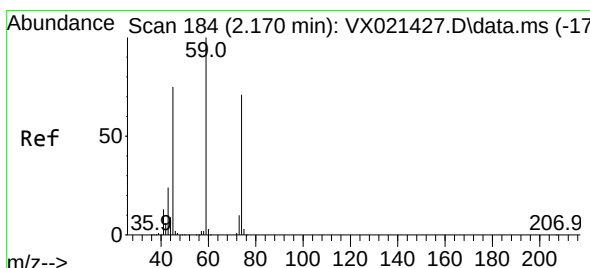
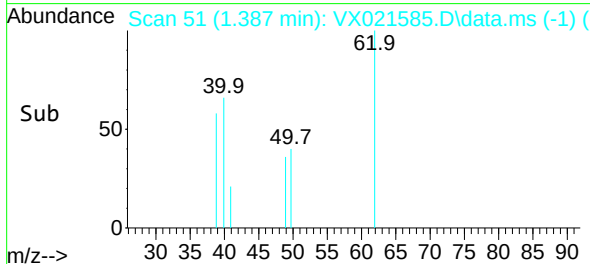
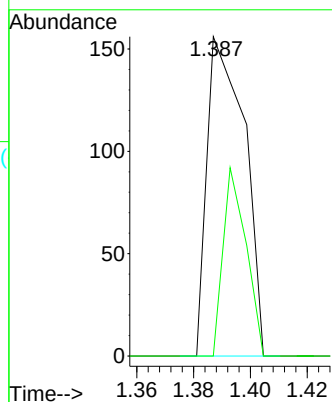
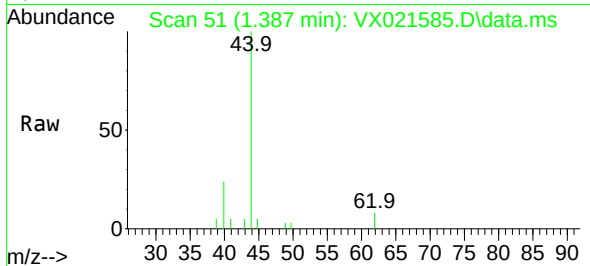




#4
 Vinyl Chloride
 Concen: 0.22 ug/l
 RT: 1.387 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VX021585.D
 Acq: 29 Mar 2021 18:23

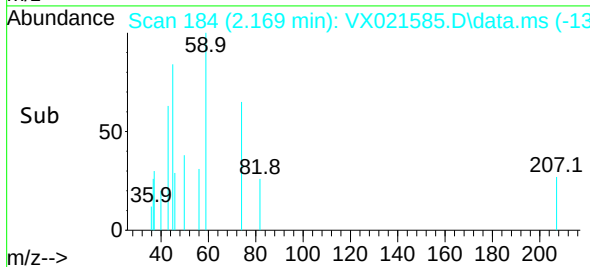
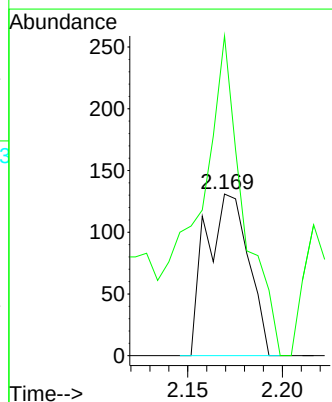
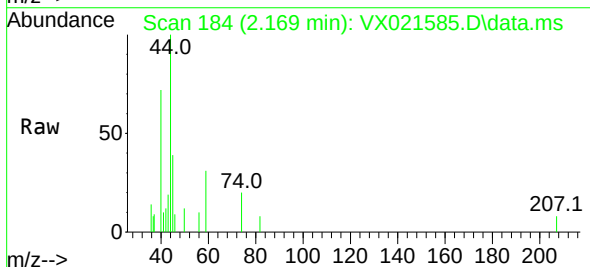
Instrument :
 MSVOA_X
 ClientSampled :

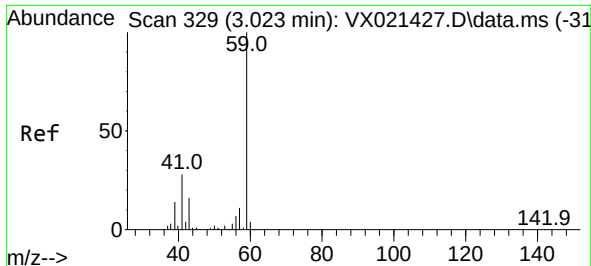
Tgt Ion: 62 Resp: 142
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.7 38.5#



#8
 Diethyl Ether
 Concen: 0.57 ug/l
 RT: 2.169 min Scan# 184
 Delta R.T. -0.001 min
 Lab File: VX021585.D
 Acq: 29 Mar 2021 18:23

Tgt Ion: 74 Resp: 205
 Ion Ratio Lower Upper
 74 100
 45 210.2 44.5 133.5#

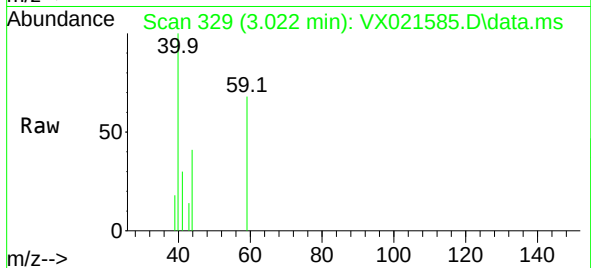




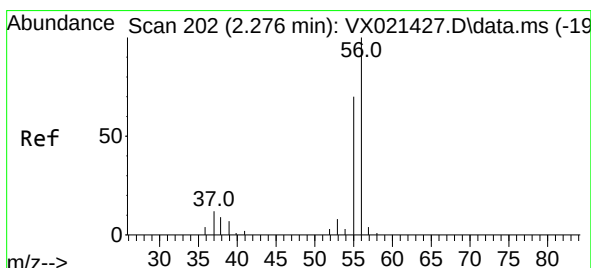
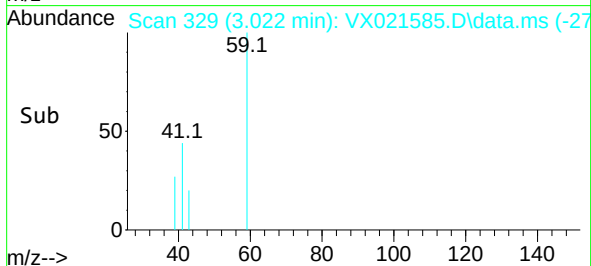
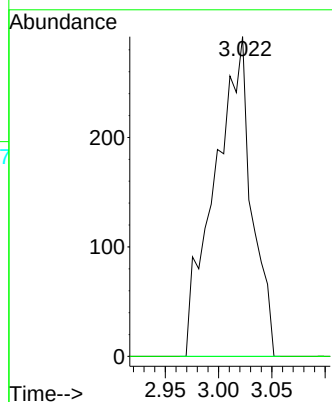
#11

Tert butyl alcohol
Concen: 4.51 ug/l
RT: 3.022 min Scan# 329
Delta R.T. -0.001 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

Instrument :
MSVOA_X
ClientSampled :



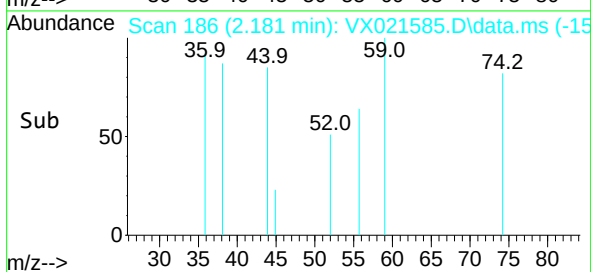
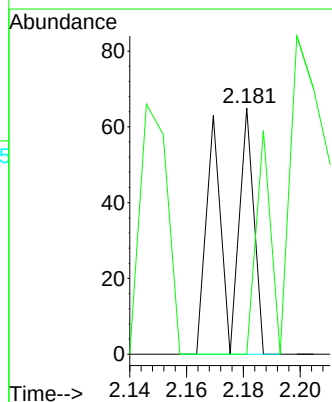
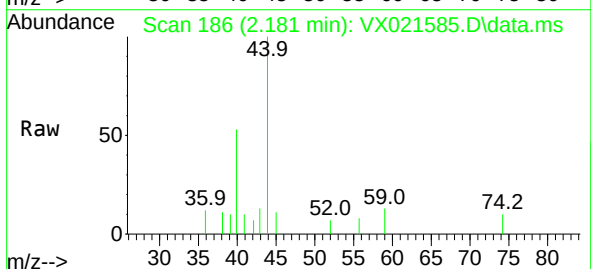
Tgt Ion: 59 Resp: 705
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

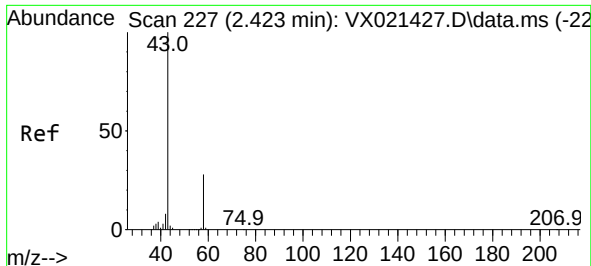


#13

Acrolein
Concen: 4.86 ug/l
RT: 2.181 min Scan# 186
Delta R.T. -0.095 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

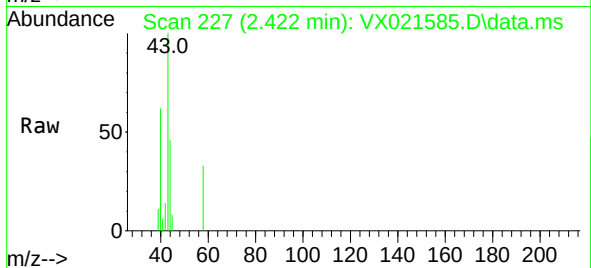
Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 337.8 56.4 84.6#



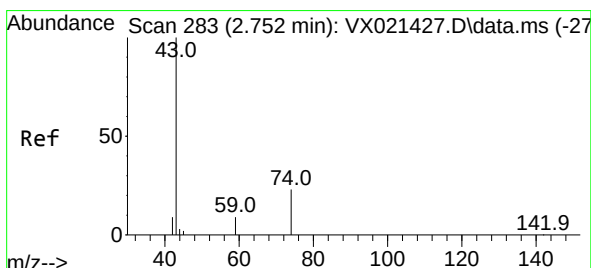
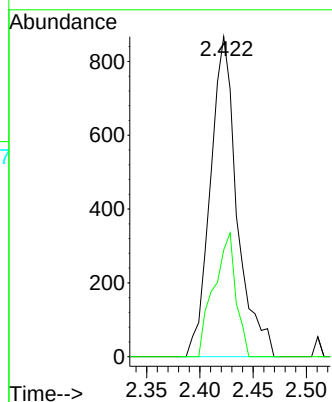
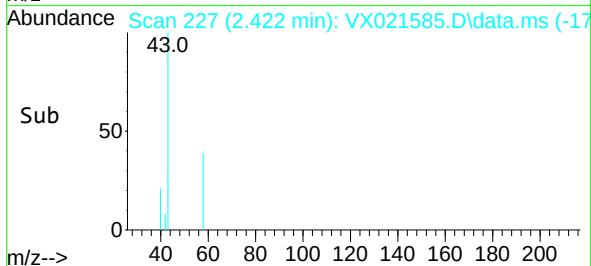


#16
Acetone
Concen: 4.23 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

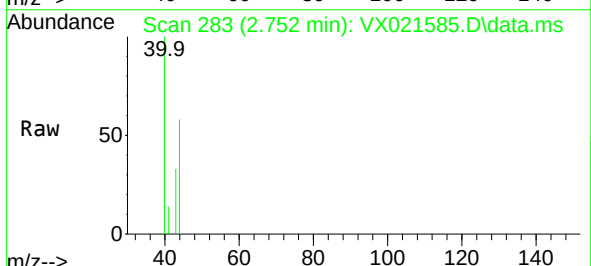
Instrument :
MSVOA_X
ClientSampled :



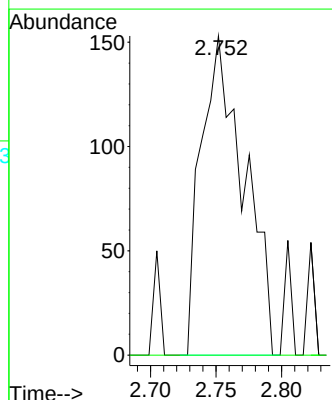
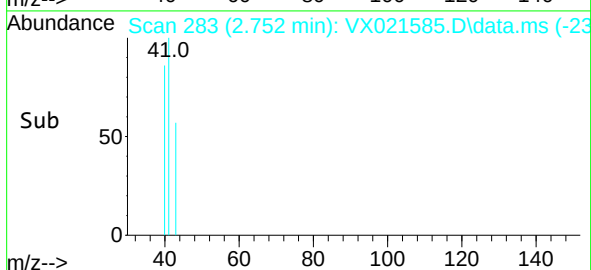
Tgt Ion: 43 Resp: 1513
Ion Ratio Lower Upper
43 100
58 33.3 27.8 41.8

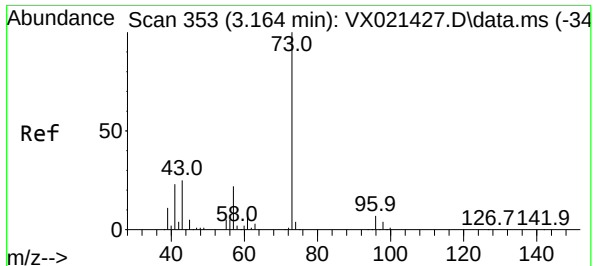


#18
Methyl Acetate
Concen: 0.34 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23



Tgt Ion: 43 Resp: 348
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#19

Methyl tert-butyl Ether

Concen: 0.93 ug/l

RT: 3.164 min Scan# 353

Delta R.T. -0.000 min

Lab File: VX021585.D

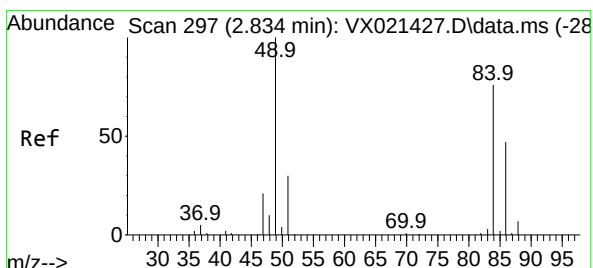
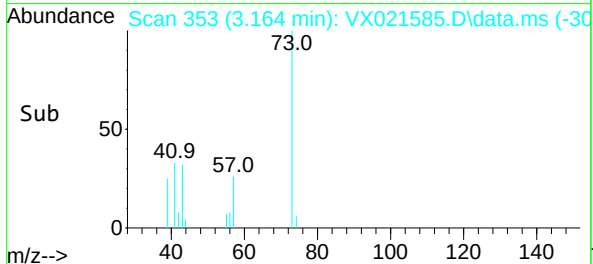
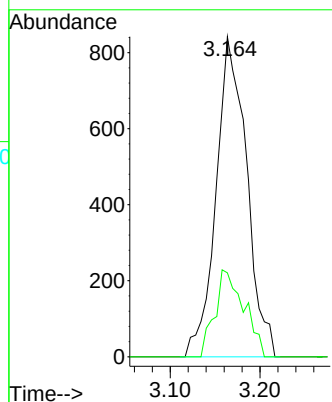
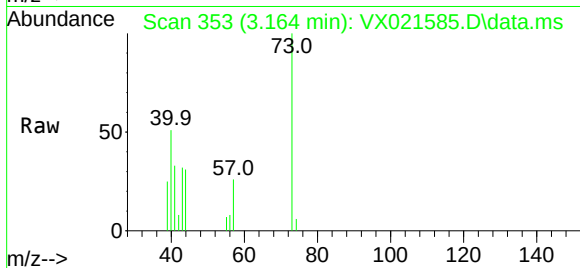
Acq: 29 Mar 2021 18:23

Tgt Ion: 73 Resp: 1993

Ion Ratio Lower Upper

73 100

57 26.2 17.1 25.7#



#20

Methylene Chloride

Concen: 0.38 ug/l

RT: 2.840 min Scan# 298

Delta R.T. 0.006 min

Lab File: VX021585.D

Acq: 29 Mar 2021 18:23

Tgt Ion: 84 Resp: 263

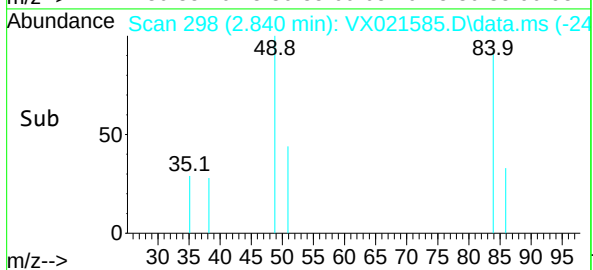
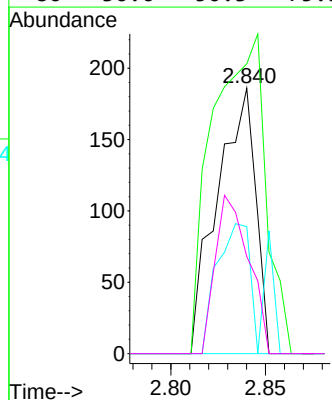
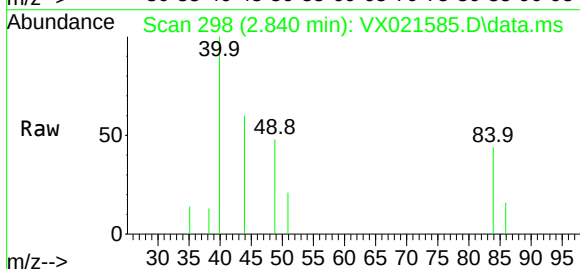
Ion Ratio Lower Upper

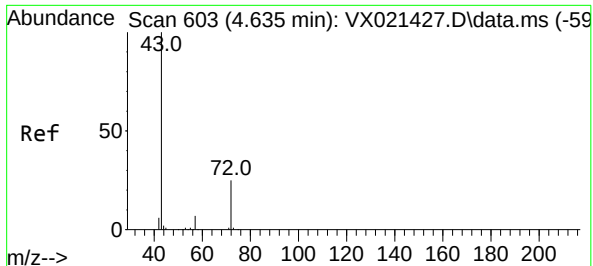
84 100

49 109.1 88.6 132.8

51 47.8 27.0 40.6#

86 36.6 50.3 75.5#

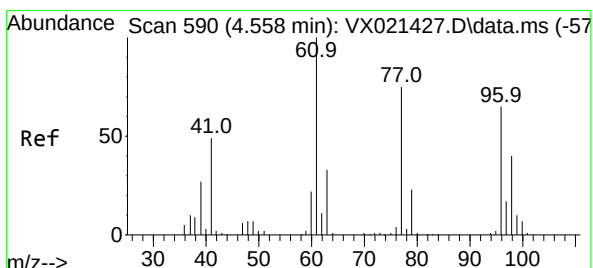
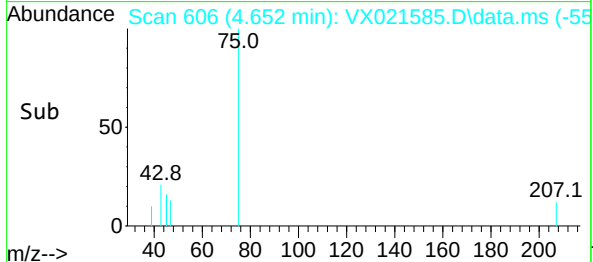
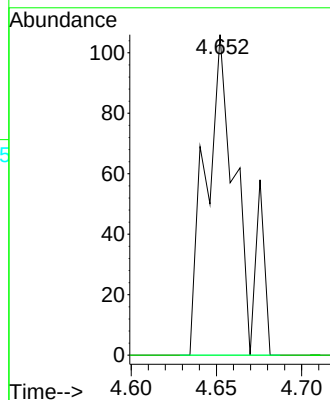
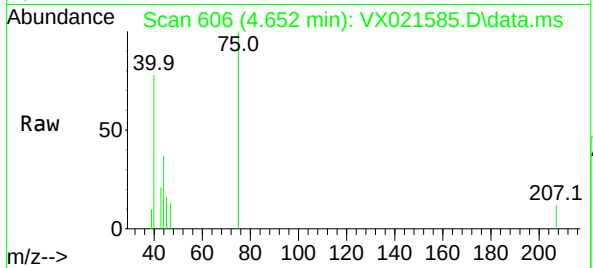




#25
2-Butanone
Concen: 0.26 ug/l
RT: 4.652 min Scan# 606
Delta R.T. 0.017 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

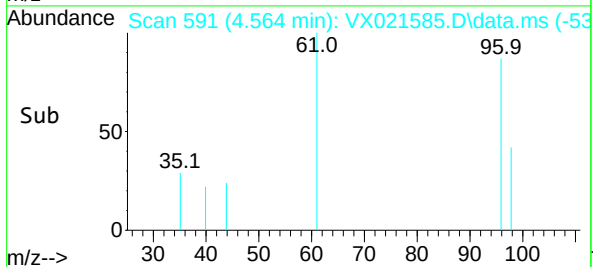
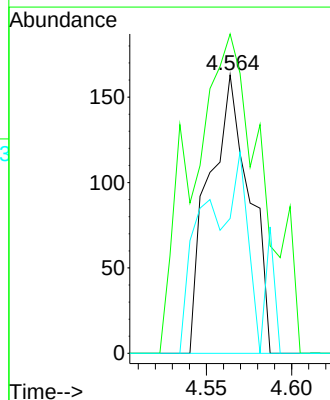
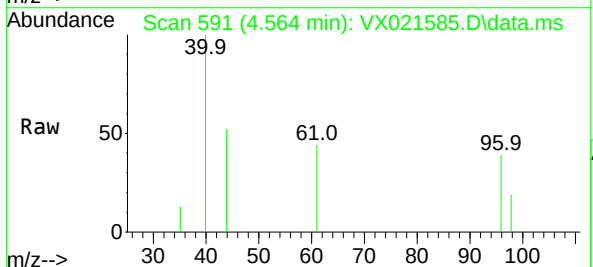
Instrument :
MSVOA_X
ClientSampled :

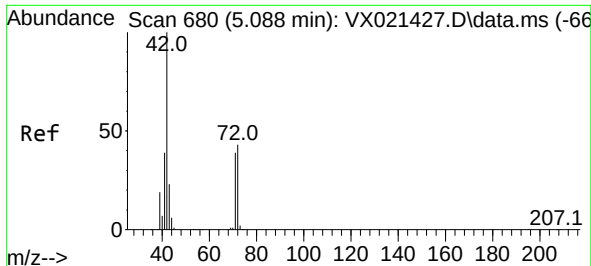
Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 0.37 ug/l
RT: 4.564 min Scan# 591
Delta R.T. 0.006 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

Tgt Ion: 96 Resp: 269
Ion Ratio Lower Upper
96 100
61 198.1 0.0 285.6
98 40.9 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.71 ug/l

RT: 5.111 min Scan# 684

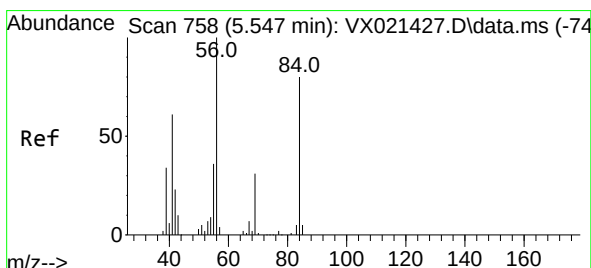
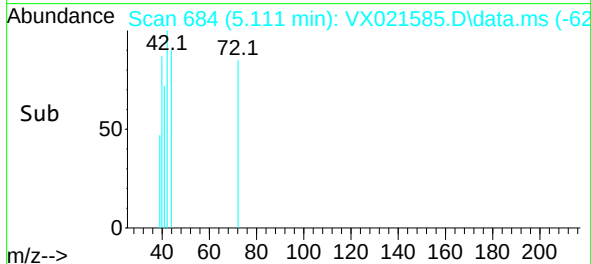
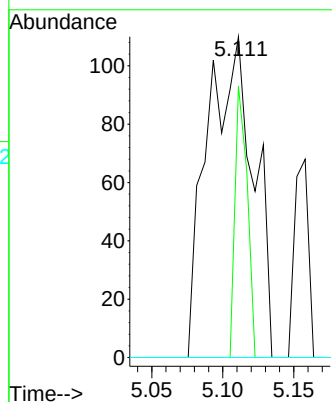
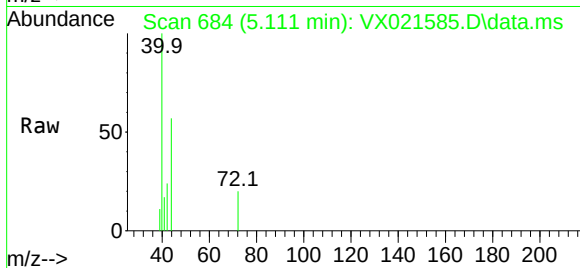
Delta R.T. 0.023 min

Lab File: VX021585.D

Acq: 29 Mar 2021 18:23

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 42	Resp: 249
Ion Ratio	Lower Upper
42 100	
72 22.1	41.7 62.5#
71 0.0	38.4 57.6#



#31

Cyclohexane

Concen: 1.45 ug/l

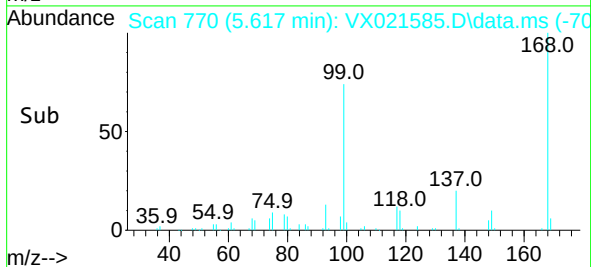
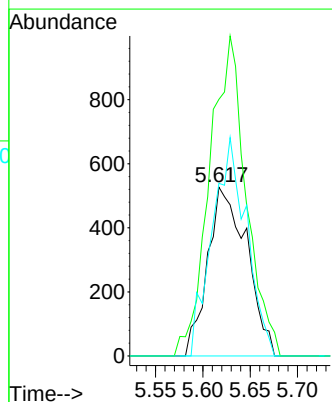
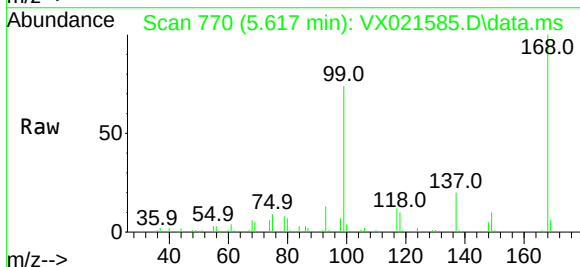
RT: 5.617 min Scan# 770

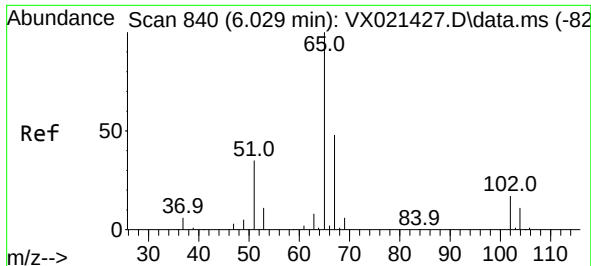
Delta R.T. 0.070 min

Lab File: VX021585.D

Acq: 29 Mar 2021 18:23

Tgt Ion: 56	Resp: 1512
Ion Ratio	Lower Upper
56 100	
69 152.0	25.3 37.9#
84 102.3	71.4 107.0

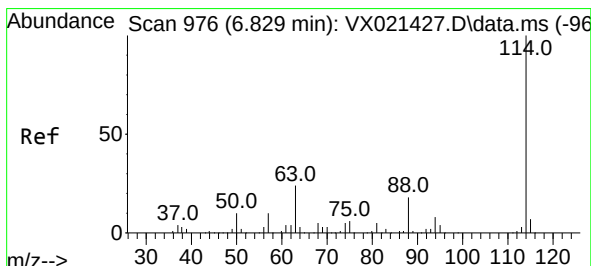
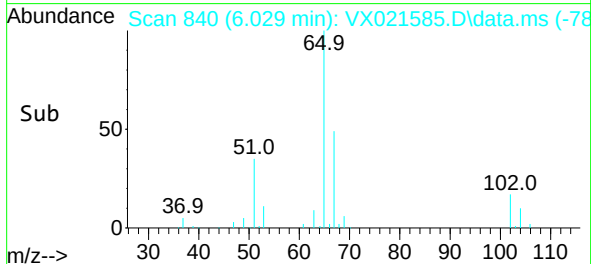
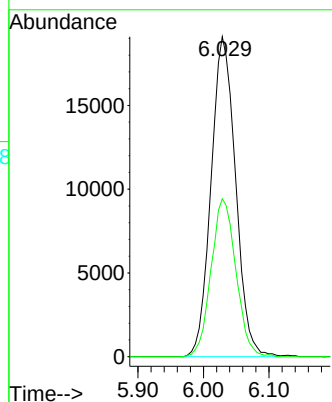
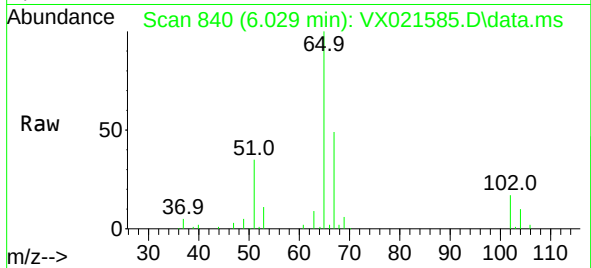




#33
 1,2-Dichloroethane-d4
 Concen: 52.46 ug/l
 RT: 6.029 min Scan# 840
 Delta R.T. -0.000 min
 Lab File: VX021585.D
 Acq: 29 Mar 2021 18:23

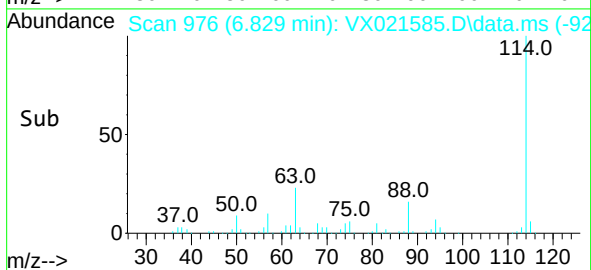
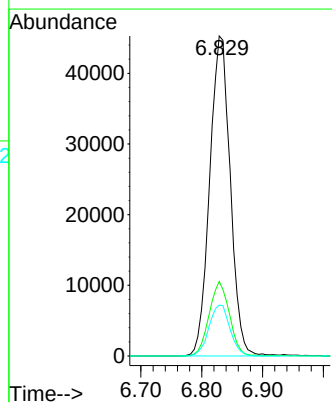
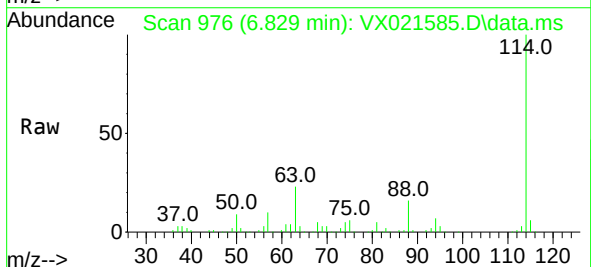
Instrument :
 MSVOA_X
 ClientSampled :

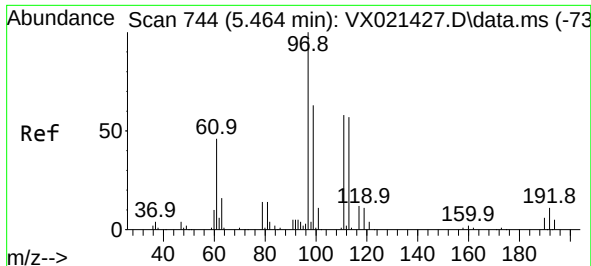
Tgt Ion: 65 Resp: 49587
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.829 min Scan# 976
 Delta R.T. -0.000 min
 Lab File: VX021585.D
 Acq: 29 Mar 2021 18:23

Tgt Ion: 114 Resp: 106330
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 40.8
 88 15.9 0.0 32.8

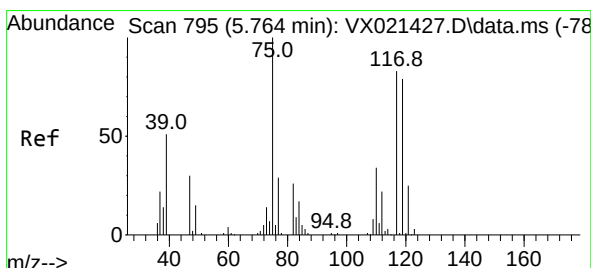
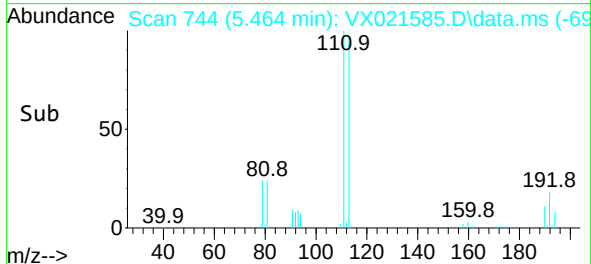
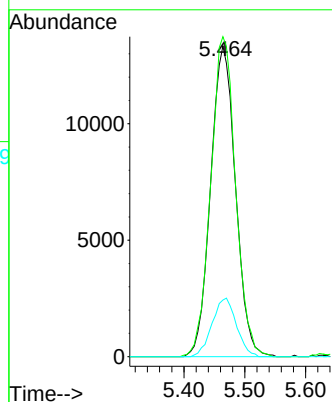
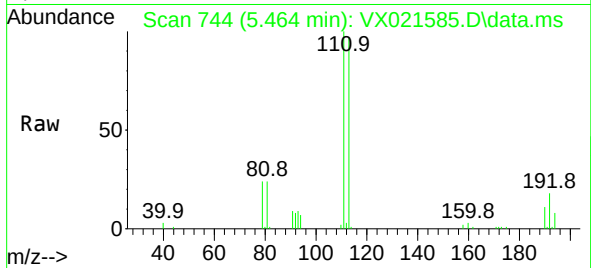




#35
Dibromofluoromethane
Concen: 50.13 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

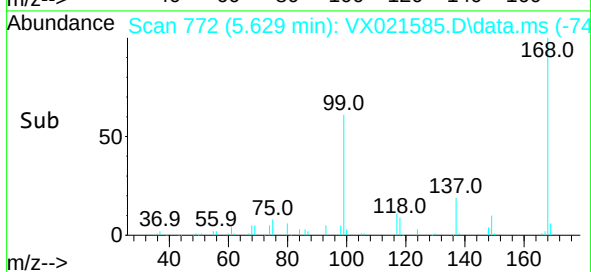
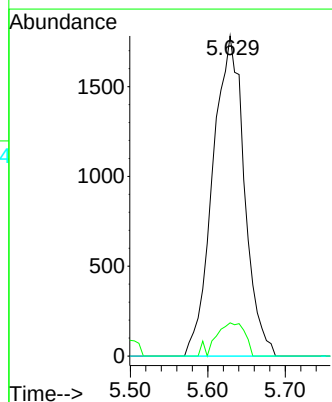
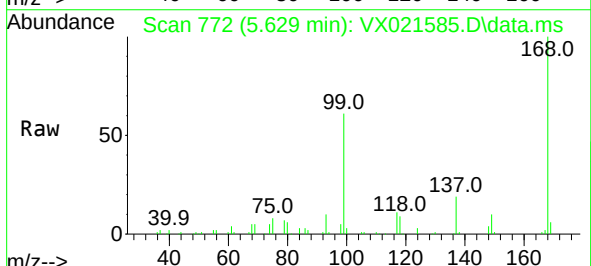
Instrument :
MSVOA_X
ClientSampled :

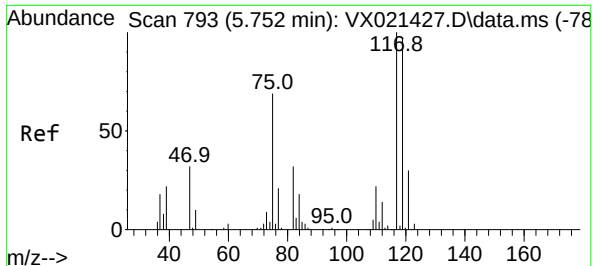
Tgt Ion:113 Resp: 37863
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 18.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.85 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

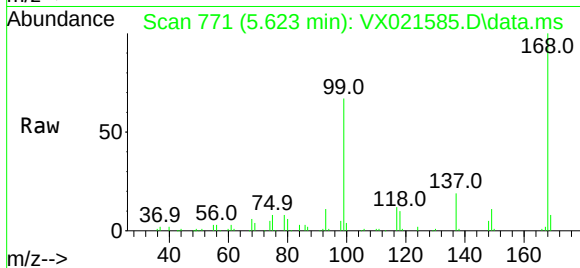
Tgt Ion: 75 Resp: 5054
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.4#
77 0.0 25.3 37.9#



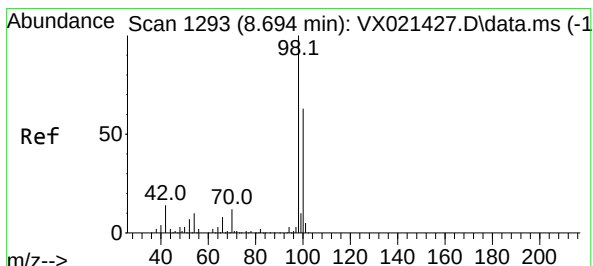
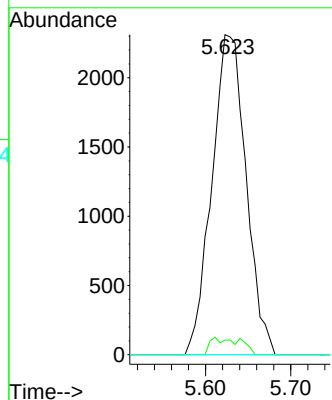
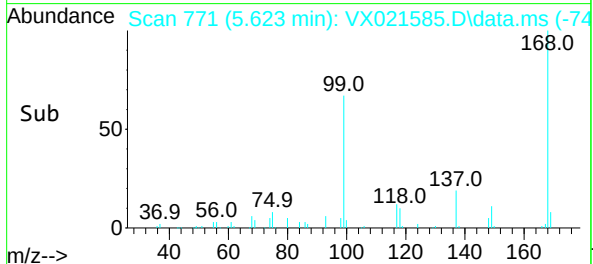


#38
Carbon Tetrachloride
Concen: 5.76 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.129 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

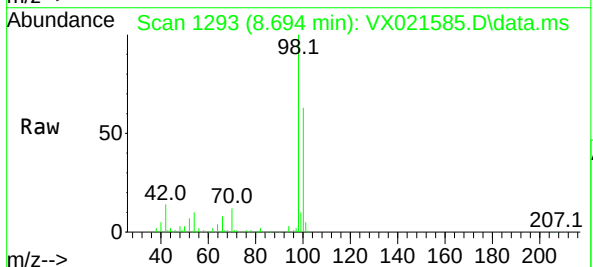
Instrument :
MSVOA_X
ClientSampled :



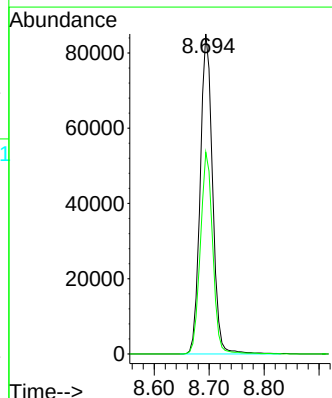
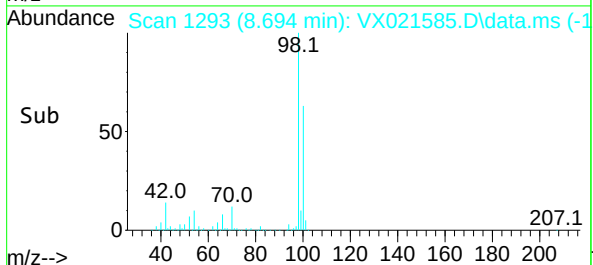
Tgt Ion:117 Resp: 6451
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.8 37.2#

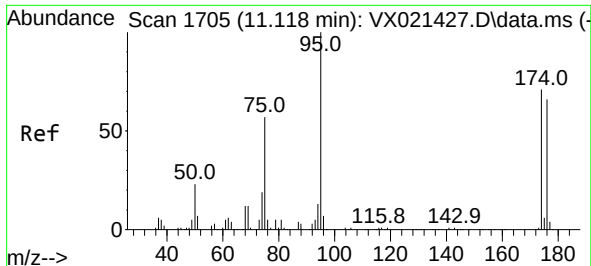


#50
Toluene-d8
Concen: 49.38 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23



Tgt Ion: 98 Resp: 132917
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9

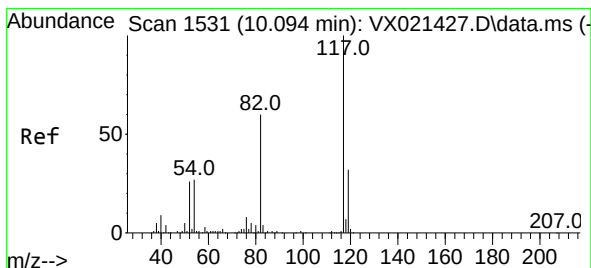
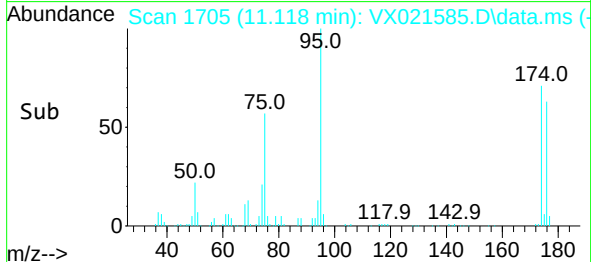
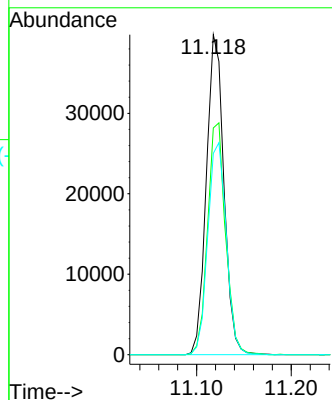
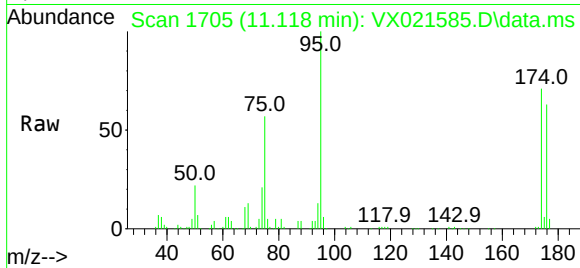




#62
4-Bromofluorobenzene
Concen: 48.99 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

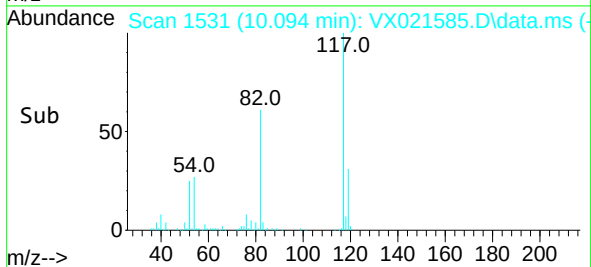
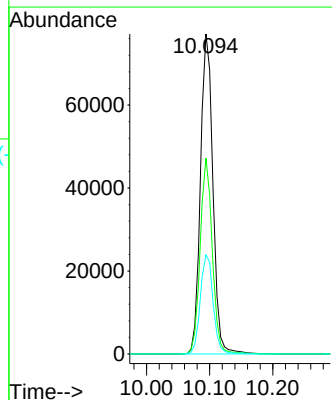
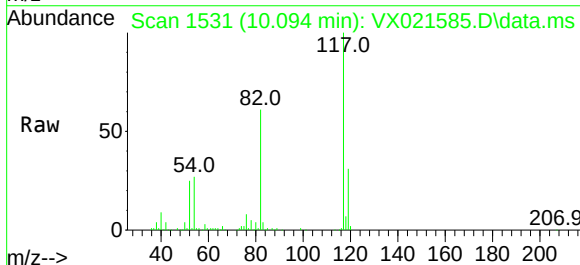
Instrument :
MSVOA_X
ClientSampleId :

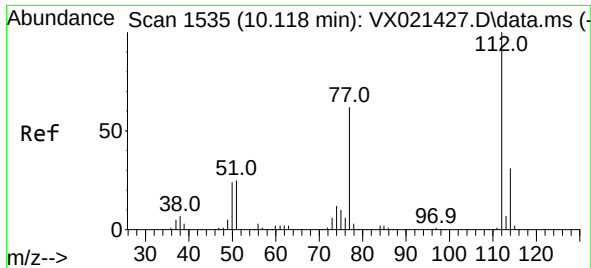
Tgt Ion: 95 Resp: 51263
Ion Ratio Lower Upper
95 100
174 74.1 0.0 154.6
176 69.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

Tgt Ion: 117 Resp: 105413
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 31.0 26.6 39.8

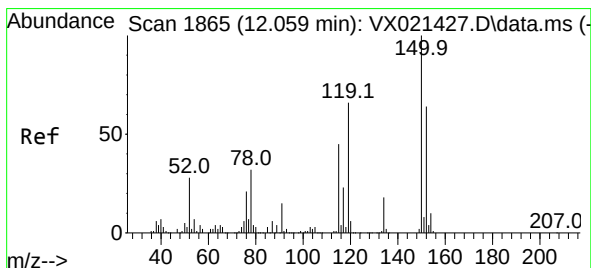
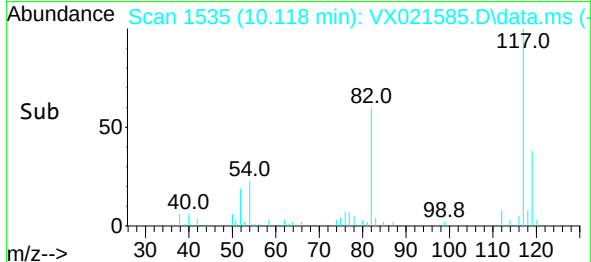
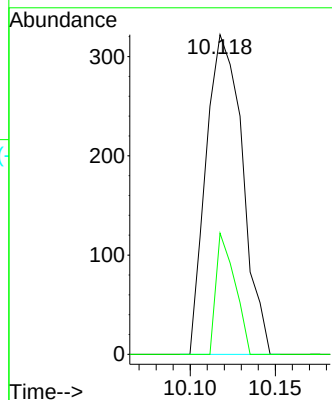
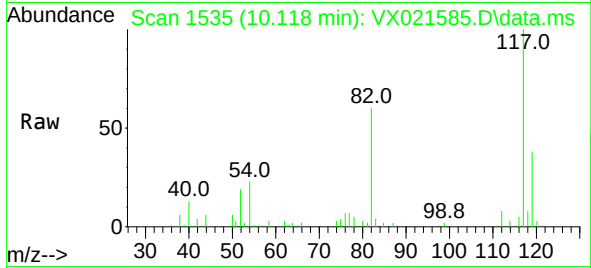




#65
Chlorobenzene
Concen: 0.23 ug/l
RT: 10.118 min Scan# 1535
Delta R.T. -0.001 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

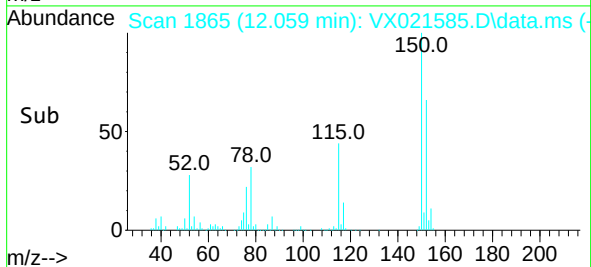
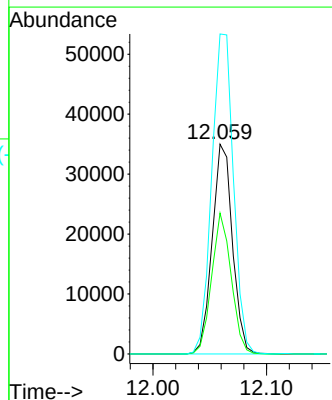
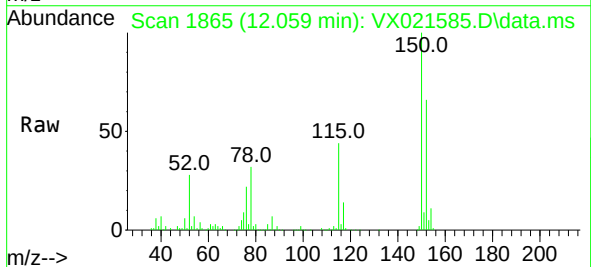
Instrument :
MSVOA_X
ClientSampled :

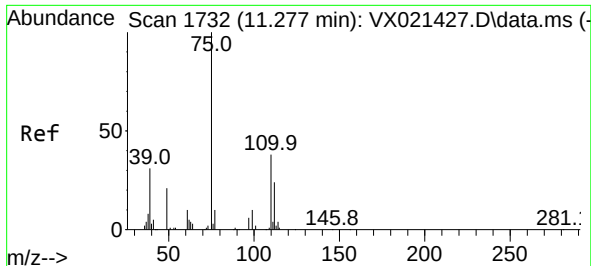
Tgt Ion:112 Resp: 479
Ion Ratio Lower Upper
112 100
114 37.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.000 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

Tgt Ion:152 Resp: 43395
Ion Ratio Lower Upper
152 100
115 64.6 41.1 123.3
150 163.1 0.0 349.0

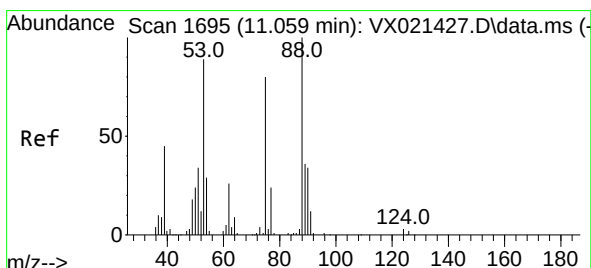
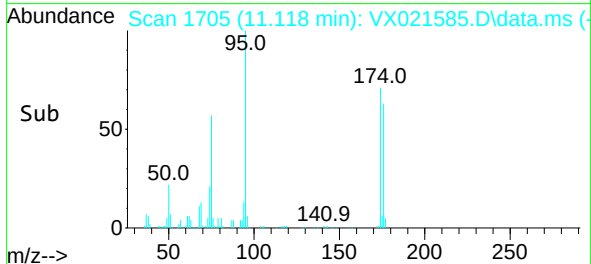
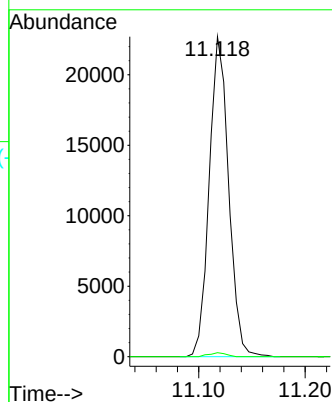
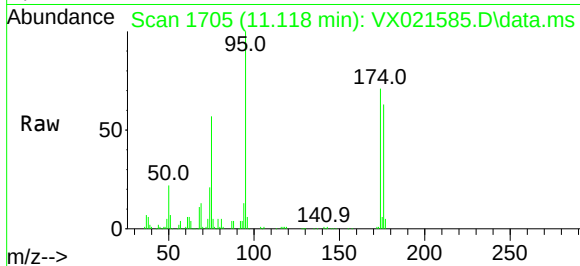




#76
1,2,3-Trichloropropane
Concen: 28.44 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

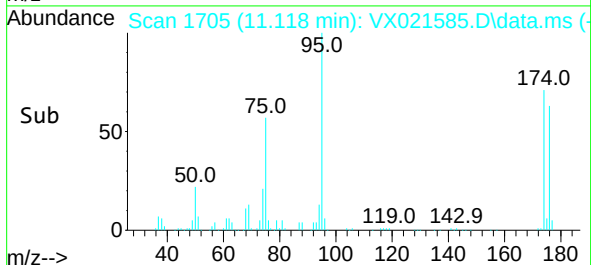
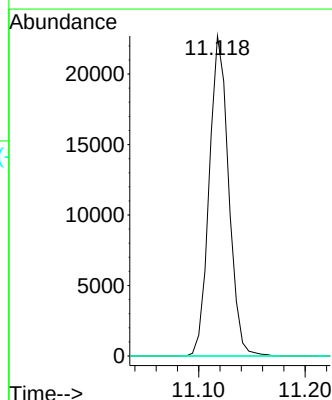
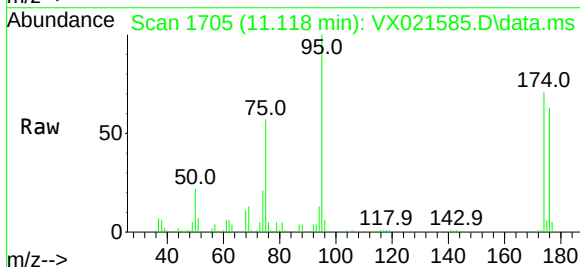
Instrument :
MSVOA_X
ClientSampled :

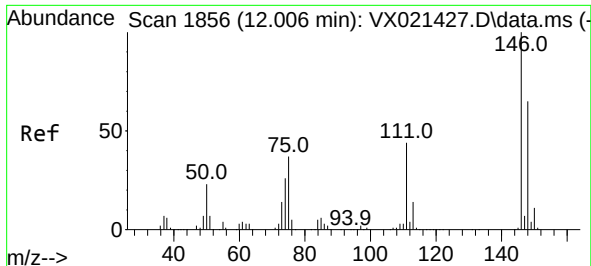
Tgt Ion: 75 Resp: 28727
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.62 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

Tgt Ion: 75 Resp: 28727
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

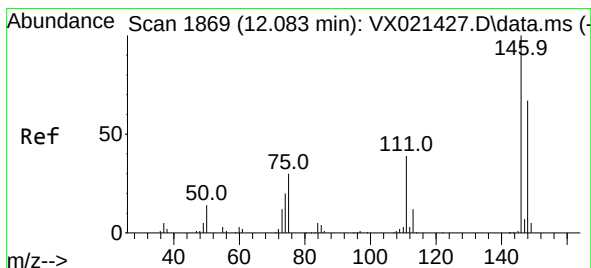
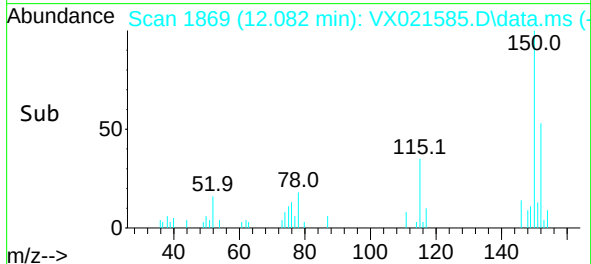
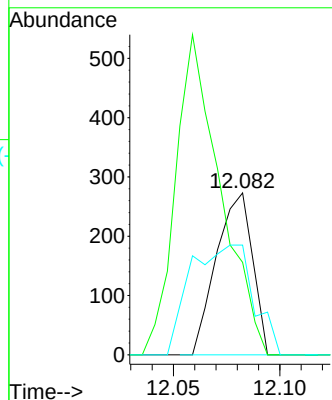
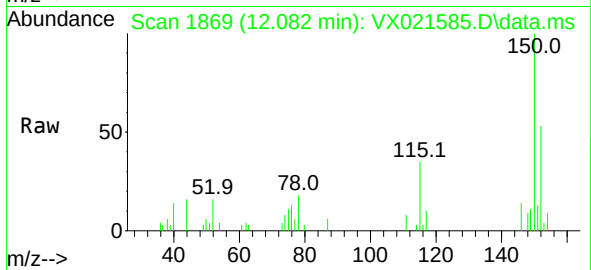




#87
1,3-Dichlorobenzene
Concen: 0.24 ug/l
RT: 12.082 min Scan# 1869
Delta R.T. 0.076 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:146 Resp: 322
Ion Ratio Lower Upper
146 100
111 0.0 20.2 60.5#
148 118.3 31.9 95.7#



#88
1,4-Dichlorobenzene
Concen: 0.23 ug/l
RT: 12.082 min Scan# 1869
Delta R.T. -0.001 min
Lab File: VX021585.D
Acq: 29 Mar 2021 18:23

Tgt Ion:146 Resp: 322
Ion Ratio Lower Upper
146 100
111 0.0 19.6 58.8#
148 118.3 31.6 95.0#

