

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032421\
 Data File : VX021445.D
 Acq On : 24 Mar 2021 18:46
 Operator : JC/MD
 Sample : M1774-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30808

Quant Time: Mar 25 02:54:56 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)

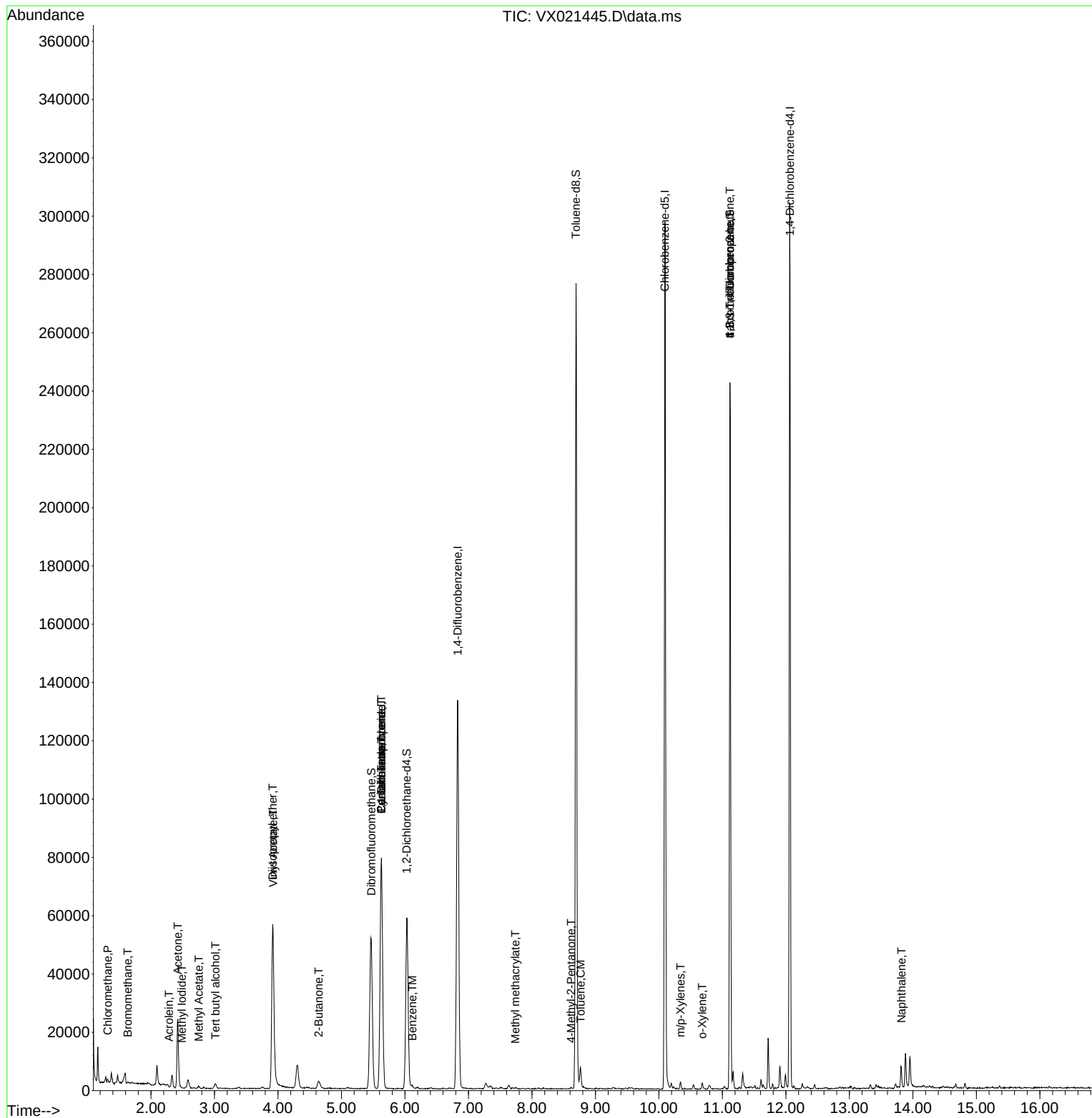
Internal Standards						
1) Pentafluorobenzene	5.629	168	66854	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.829	114	123665	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	123124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	55861	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	56963	51.21	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.42%	
35) Dibromofluoromethane	5.470	113	43253	49.24	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.48%	
50) Toluene-d8	8.694	98	155048	49.53	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.06%	
62) 4-Bromofluorobenzene	11.118	95	62184	51.10	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.20%	
Target Compounds						
						Qvalue
3) Chloromethane	1.317	50	1353	1.64	ug/l	99
5) Bromomethane	1.634	94	137	0.45	ug/l	# 2
10) Methyl Iodide	2.487	142	19	6.67	ug/l	# 42
11) Tert butyl alcohol	3.017	59	1682	9.15	ug/l	99
13) Acrolein	2.281	56	47	4.80	ug/l	# 82
16) Acetone	2.423	43	25510	60.65	ug/l	# 88
18) Methyl Acetate	2.752	43	800	0.66	ug/l	# 81
22) Diisopropyl ether	3.917	45	3799	1.43	ug/l	# 1
23) Vinyl Acetate	3.923	43	9918	4.41	ug/l	# 68
25) 2-Butanone	4.641	43	4177	6.55	ug/l	# 88
31) Cyclohexane	5.629	56	1882	1.54	ug/l	# 16
36) 1,1-Dichloropropene	5.629	75	6238	5.15	ug/l	# 48
38) Carbon Tetrachloride	5.629	117	7432	5.71	ug/l	# 16
40) Benzene	6.117	78	993	0.29	ug/l	92
48) Methyl methacrylate	7.741	41	254	0.21	ug/l	# 10
51) 4-Methyl-2-Pentanone	8.618	43	340	0.24	ug/l	# 65
52) Toluene	8.765	92	2094	0.99	ug/l	99
68) m/p-Xylenes	10.341	106	636	0.40	ug/l	78
69) o-Xylene	10.683	106	363	0.23	ug/l	77
76) 1,2,3-Trichloropropane	11.118	75	35839	27.56	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.118	75	35839	83.94	ug/l	# 12
95) Naphthalene	13.818	128	4168	1.14	ug/l	99

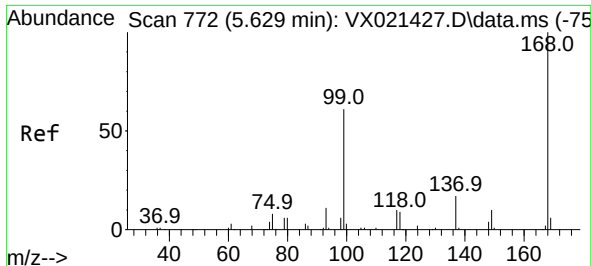
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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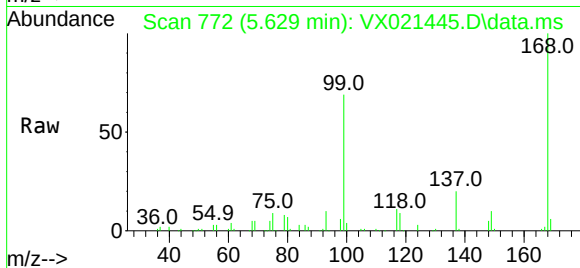
Quant Time: Mar 25 02:54:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
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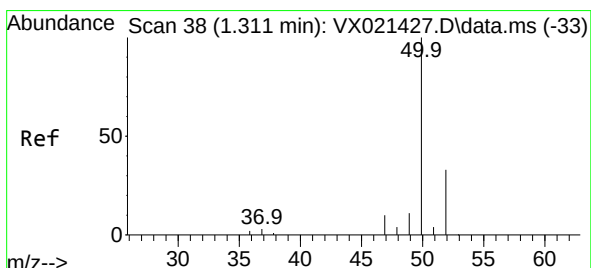
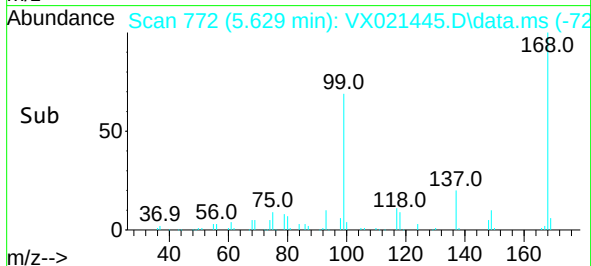
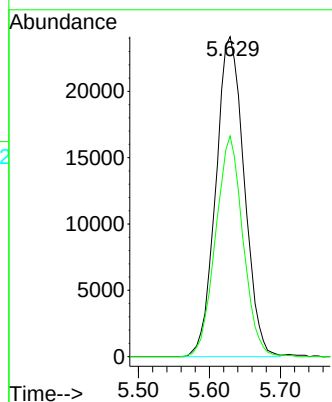


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

Instrument :
MSVOA_X
ClientSampleId :
30808

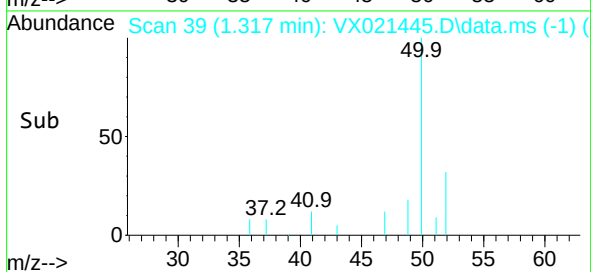
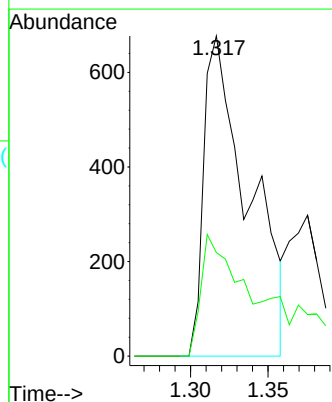
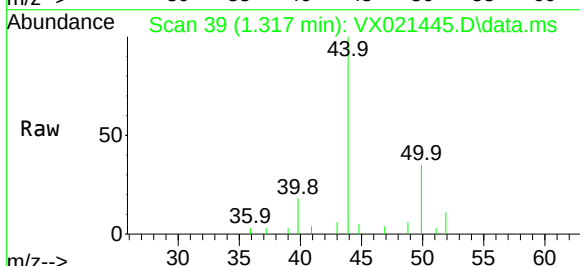


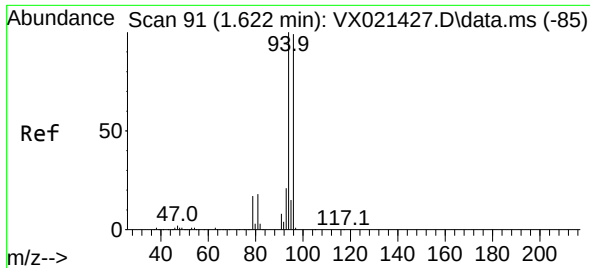
Tgt Ion:168 Resp: 66854
Ion Ratio Lower Upper
168 100
99 69.0 45.8 68.6#



#3
Chloromethane
Concen: 1.64 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

Tgt Ion: 50 Resp: 1353
Ion Ratio Lower Upper
50 100
52 32.3 26.4 39.6

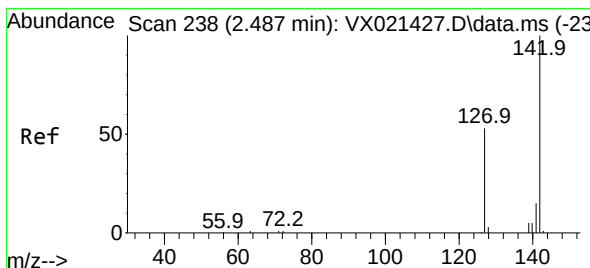
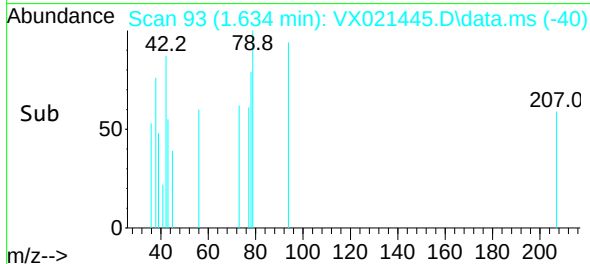
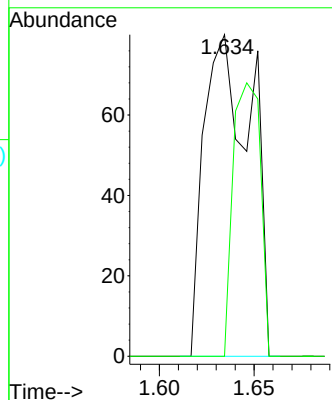
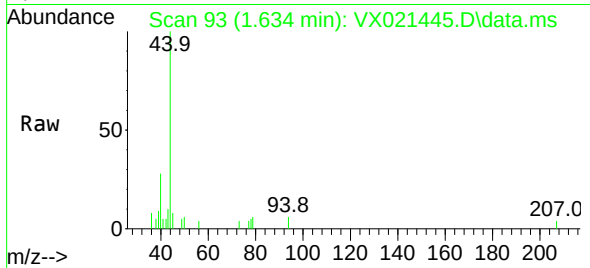




#5
Bromomethane
Concen: 0.45 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

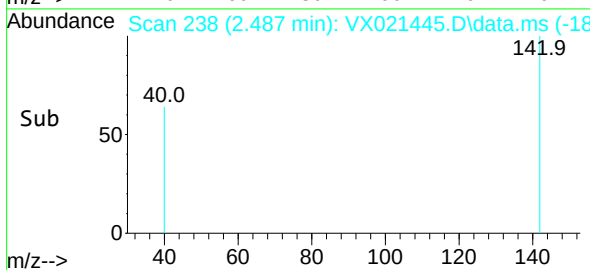
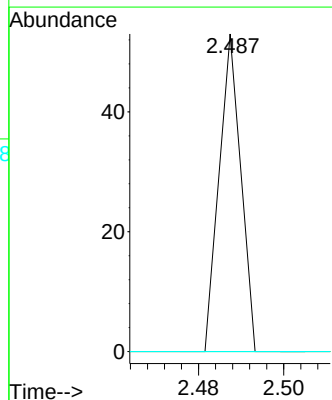
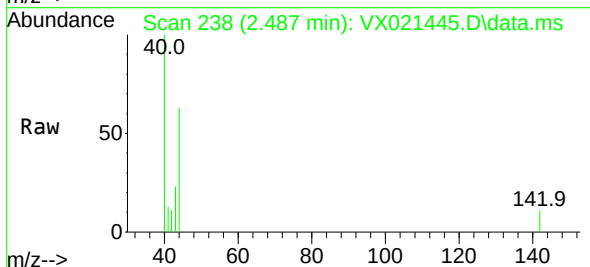
Instrument :
MSVOA_X
ClientSampleId :
30808

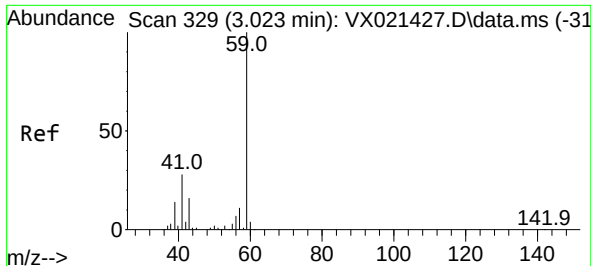
Tgt Ion: 94 Resp: 137
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#10
Methyl Iodide
Concen: 6.67 ug/l
RT: 2.487 min Scan# 238
Delta R.T. 0.000 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

Tgt Ion: 142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

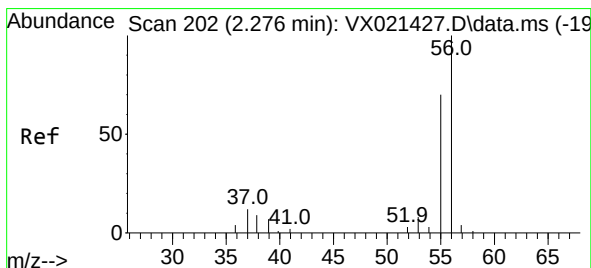
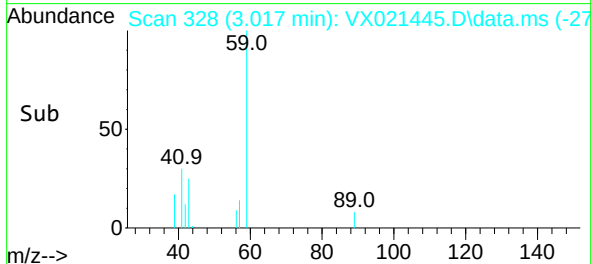
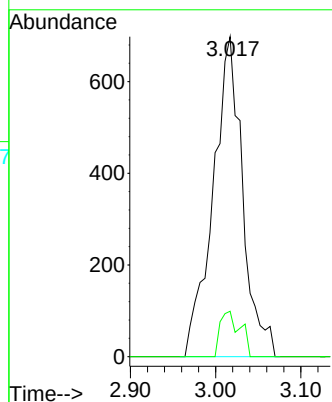
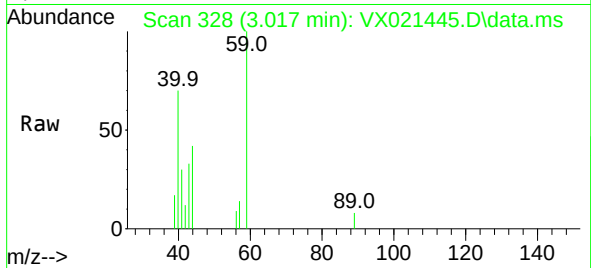




#11
Tert butyl alcohol
Concen: 9.15 ug/l
RT: 3.017 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

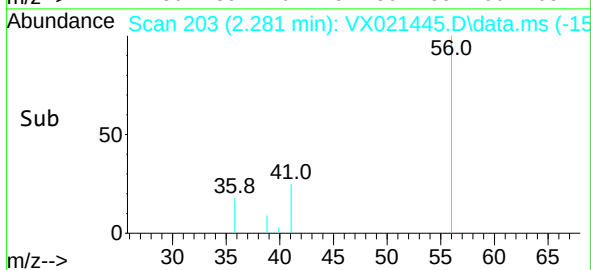
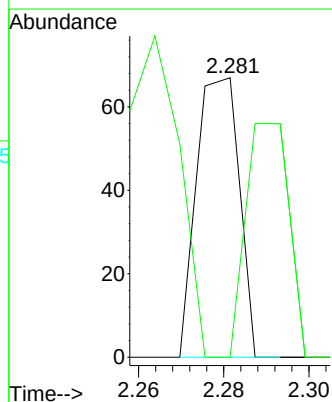
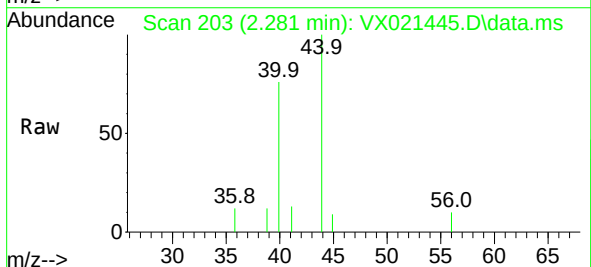
Instrument :
MSVOA_X
ClientSampled :
30808

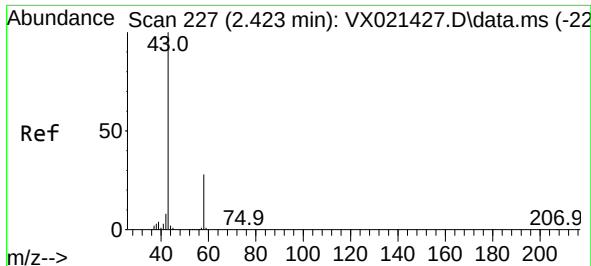
Tgt Ion: 59 Resp: 1682
Ion Ratio Lower Upper
59 100
57 9.6 7.8 11.8



#13
Acrolein
Concen: 4.80 ug/l
RT: 2.281 min Scan# 203
Delta R.T. 0.005 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

Tgt Ion: 56 Resp: 47
Ion Ratio Lower Upper
56 100
55 85.1 56.4 84.6#

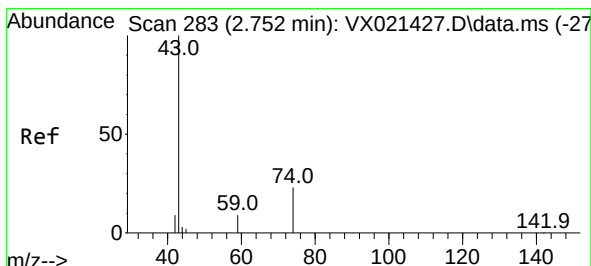
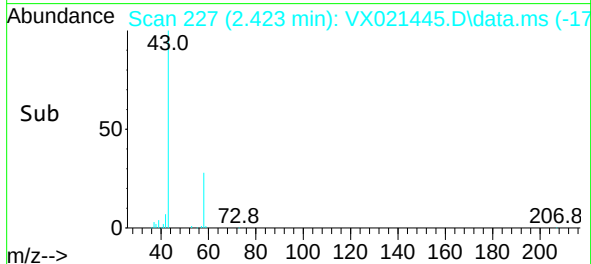
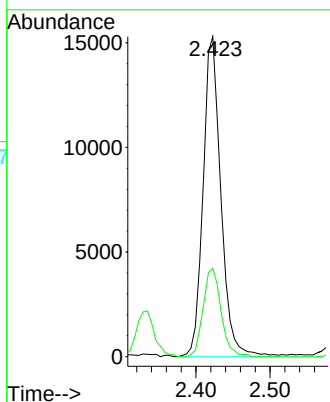
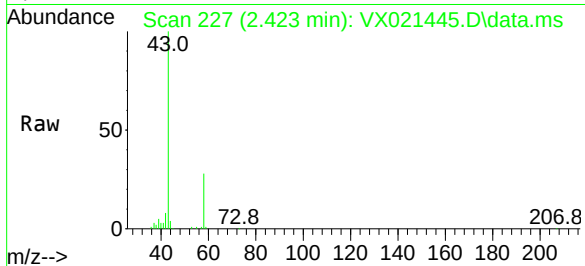




#16
Acetone
Concen: 60.65 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

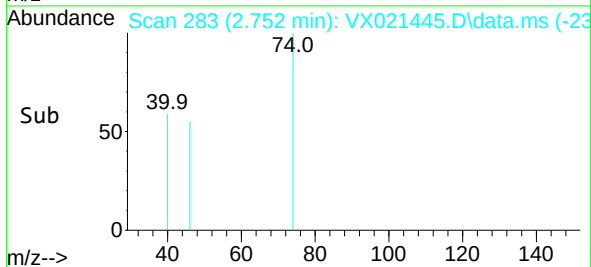
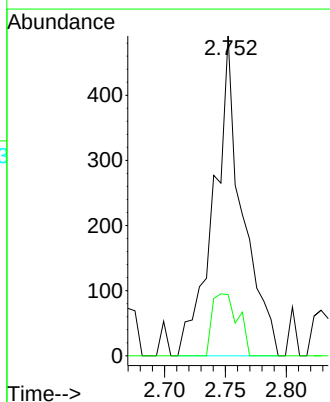
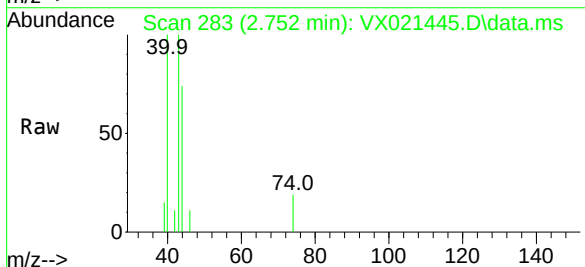
Instrument :
MSVOA_X
ClientSampled :
30808

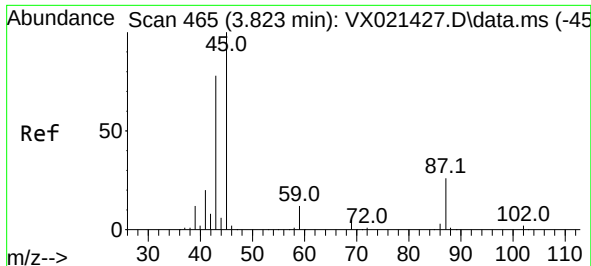
Tgt Ion: 43 Resp: 25510
Ion Ratio Lower Upper
43 100
58 27.7 27.8 41.8#



#18
Methyl Acetate
Concen: 0.66 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

Tgt Ion: 43 Resp: 800
Ion Ratio Lower Upper
43 100
74 17.4 21.9 32.9#

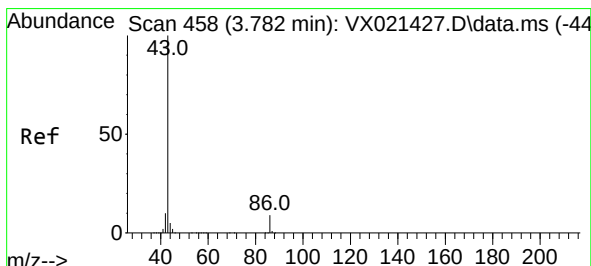
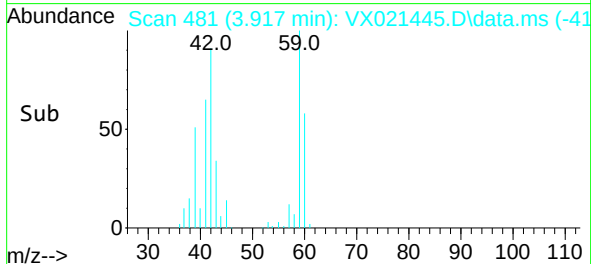
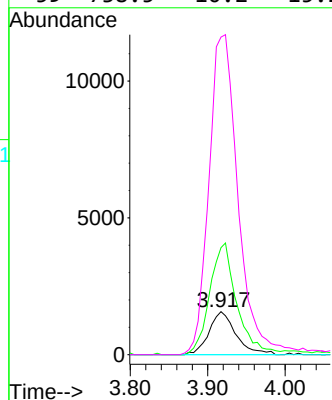
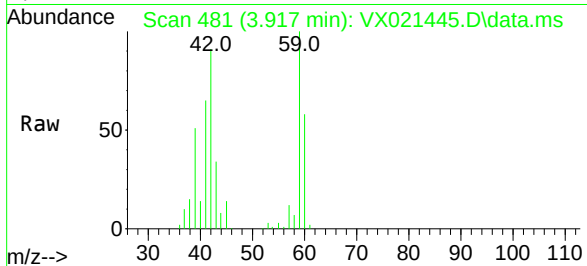




#22
Diisopropyl ether
Concen: 1.43 ug/l
RT: 3.917 min Scan# 481
Delta R.T. 0.094 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

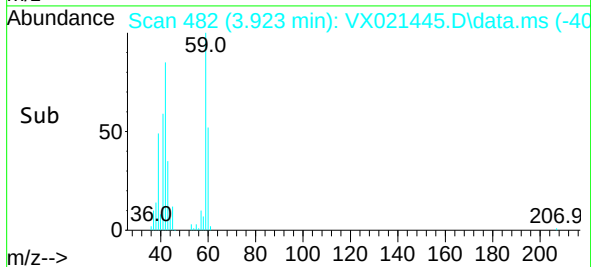
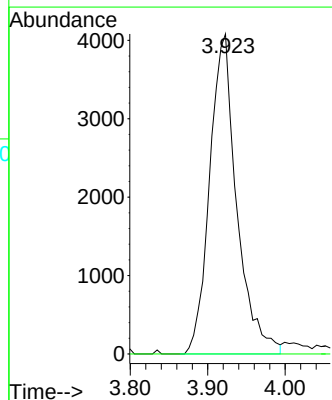
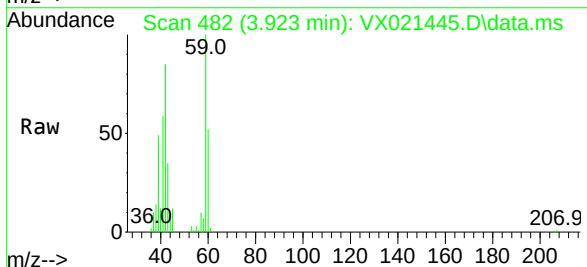
Instrument :
MSVOA_X
ClientSampleId :
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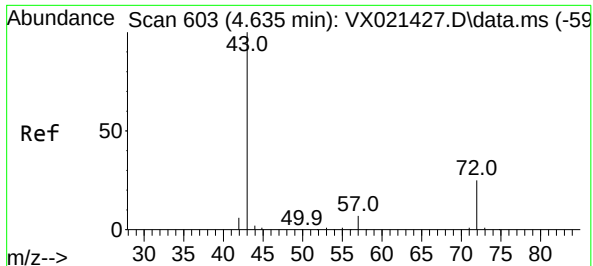
Tgt Ion:	45	Resp:	3799
Ion	Ratio	Lower	Upper
45	100		
43	248.7	58.0	87.0#
87	0.0	25.4	38.0#
59	738.5	10.2	15.2#



#23
Vinyl Acetate
Concen: 4.41 ug/l
RT: 3.923 min Scan# 482
Delta R.T. 0.141 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

Tgt Ion:	43	Resp:	9918
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.9	14.9#





#25

2-Butanone

Concen: 6.55 ug/l

RT: 4.641 min Scan# 604

Delta R.T. 0.006 min

Lab File: VX021445.D

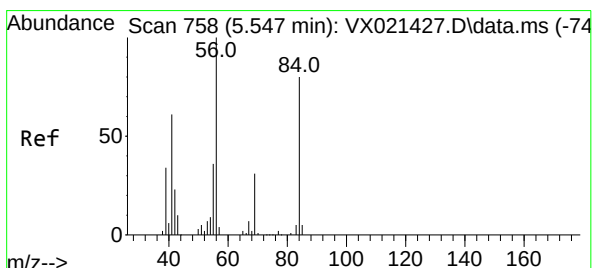
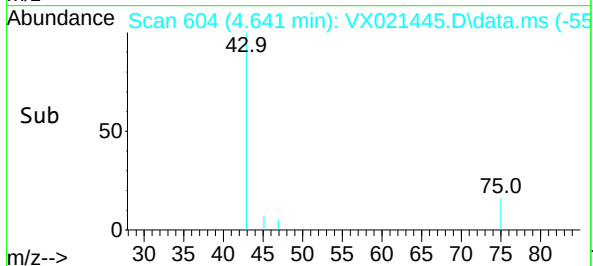
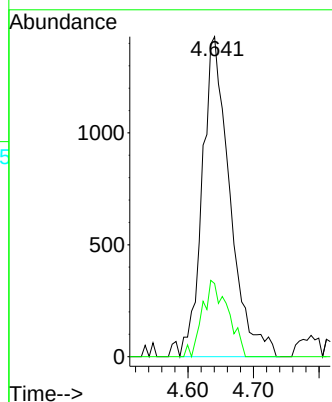
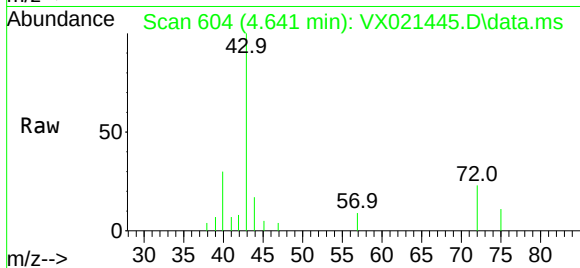
Acq: 24 Mar 2021 18:46

Tgt Ion: 43 Resp: 4177

Ion Ratio Lower Upper

43 100

72 22.9 23.7 35.5#



#31

Cyclohexane

Concen: 1.54 ug/l

RT: 5.629 min Scan# 772

Delta R.T. 0.082 min

Lab File: VX021445.D

Acq: 24 Mar 2021 18:46

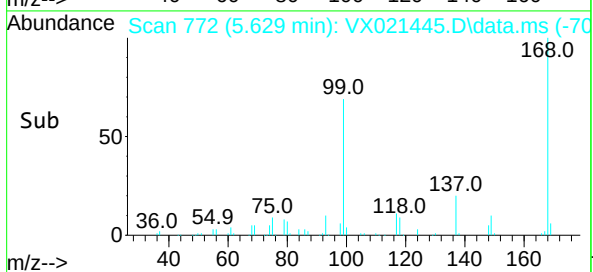
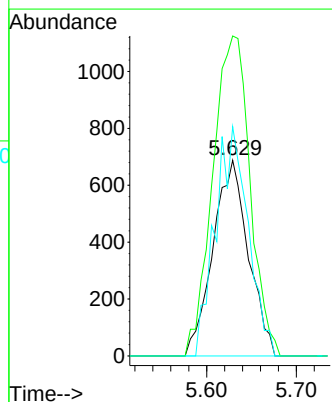
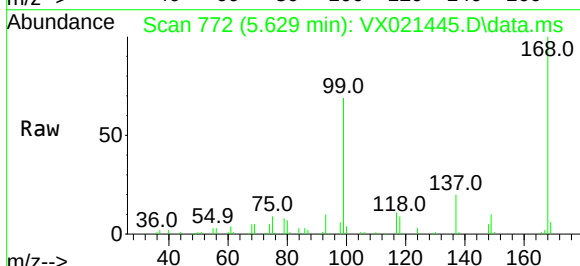
Tgt Ion: 56 Resp: 1882

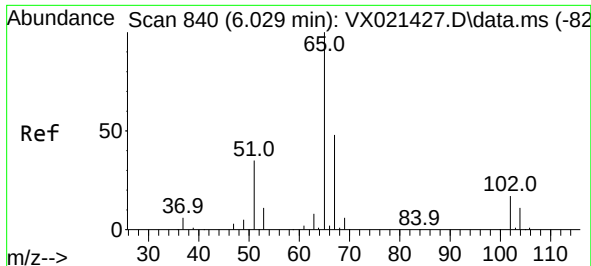
Ion Ratio Lower Upper

56 100

69 163.5 25.3 37.9#

84 117.2 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.21 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021445.D

Acq: 24 Mar 2021 18:46

Tgt Ion: 65 Resp: 56963

Ion Ratio Lower Upper

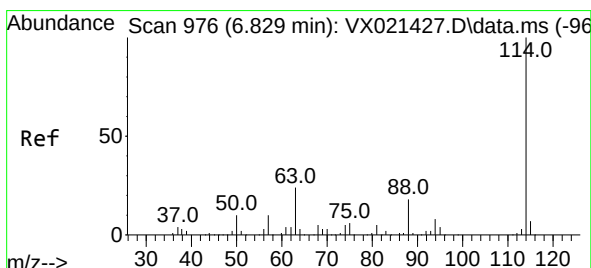
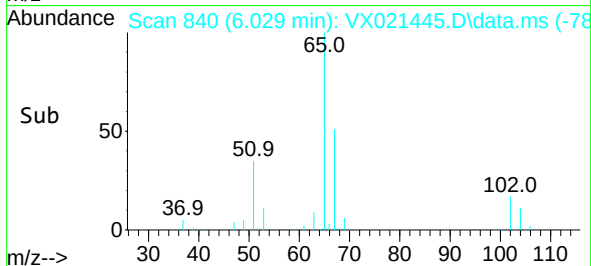
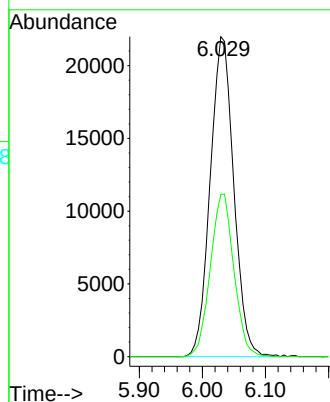
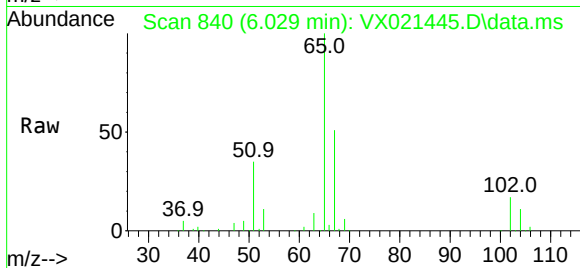
65	100		
67	50.9	0.0	105.4

Instrument :

MSVOA_X

ClientSampleId :

30808



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. 0.000 min

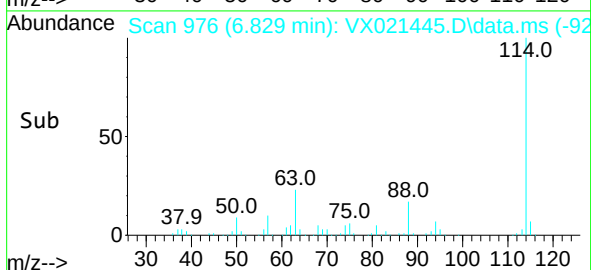
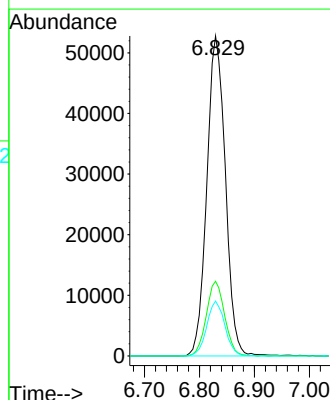
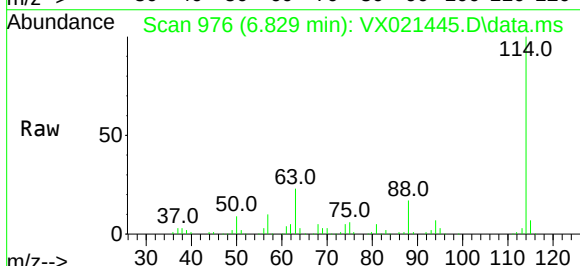
Lab File: VX021445.D

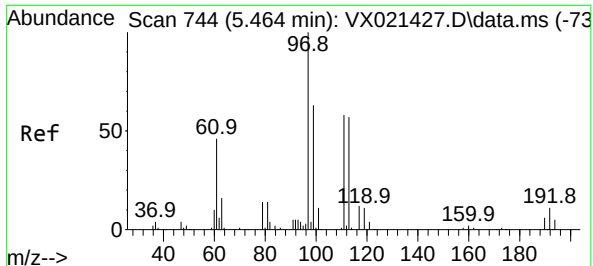
Acq: 24 Mar 2021 18:46

Tgt Ion: 114 Resp: 123665

Ion Ratio Lower Upper

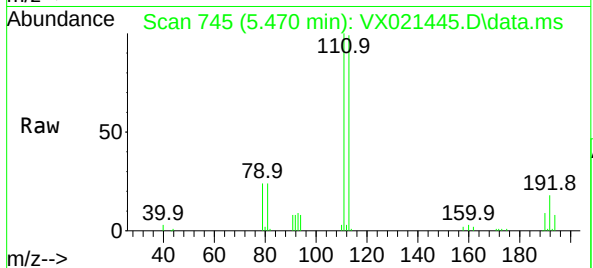
114	100		
63	23.4	0.0	40.8
88	17.1	0.0	32.8



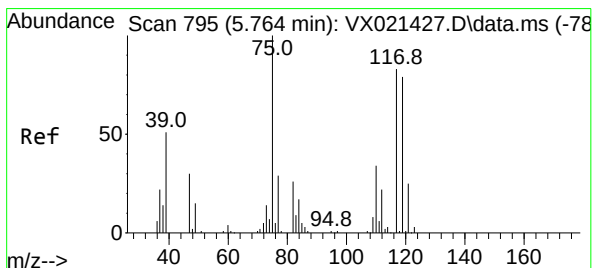
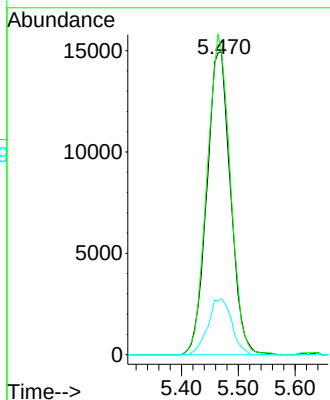
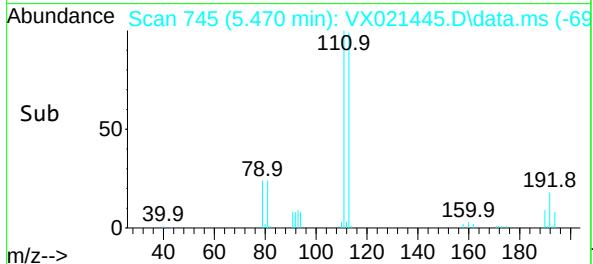


#35
Dibromofluoromethane
Concen: 49.24 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

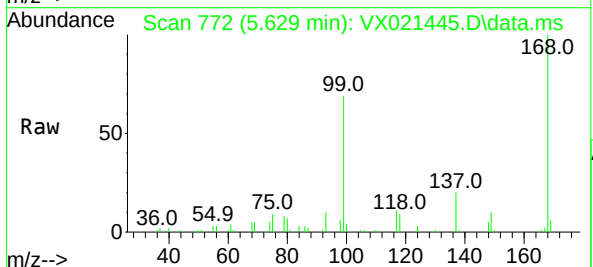
Instrument :
MSVOA_X
ClientSampleId :
30808



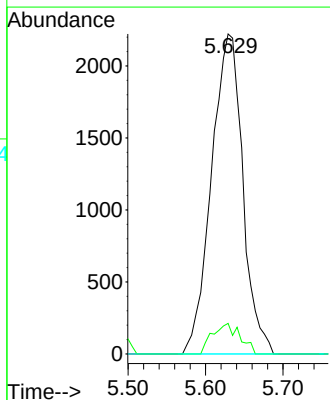
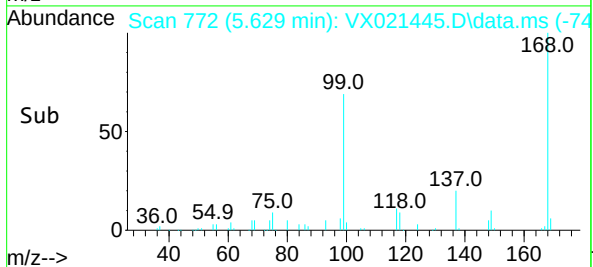
Tgt Ion:113 Resp: 43253
Ion Ratio Lower Upper
113 100
111 103.9 81.9 122.9
192 18.5 16.7 25.1

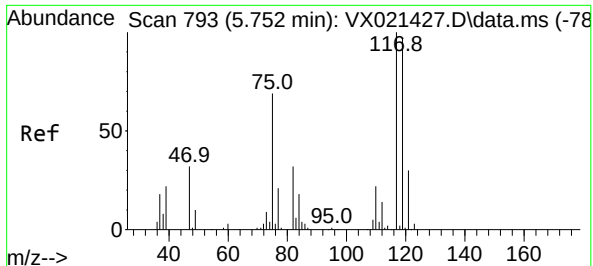


#36
1,1-Dichloropropene
Concen: 5.15 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46



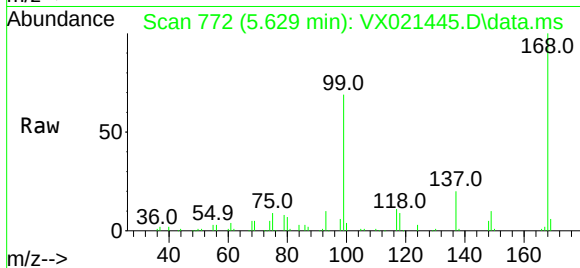
Tgt Ion: 75 Resp: 6238
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 25.3 37.9#



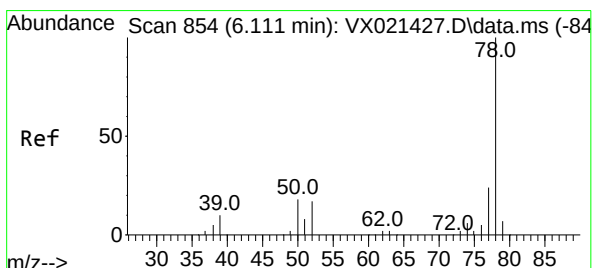
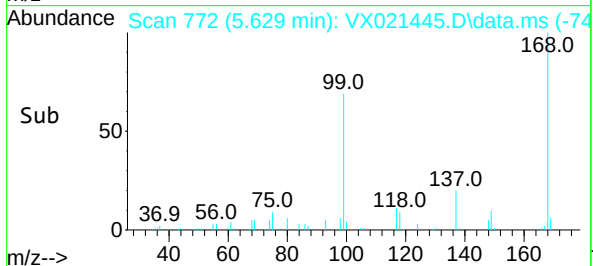
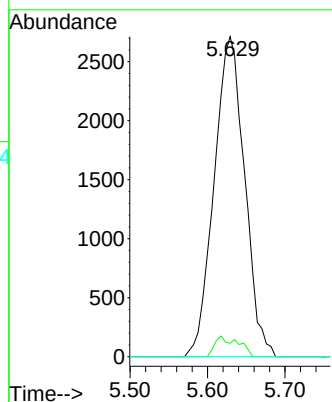


#38
Carbon Tetrachloride
Concen: 5.71 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

Instrument :
MSVOA_X
ClientSampleId :
30808

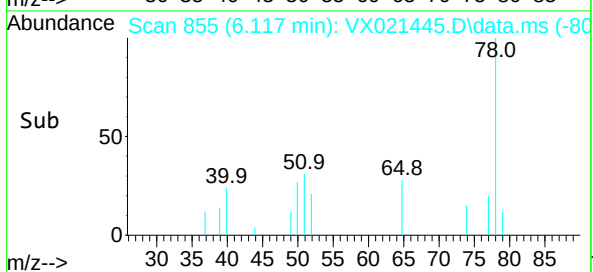
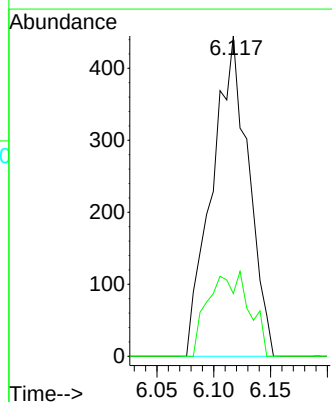
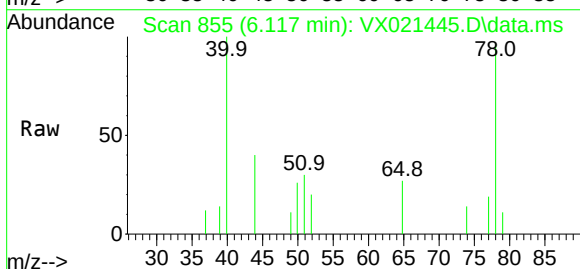


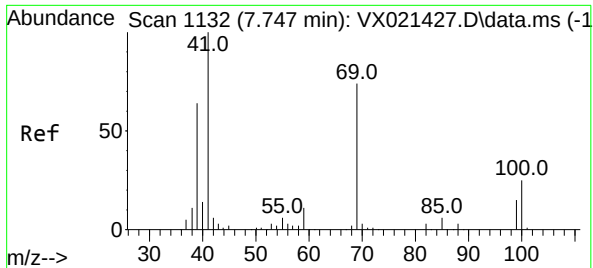
Tgt Ion:117 Resp: 7432
Ion Ratio Lower Upper
117 100
119 4.2 76.2 114.2#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 0.29 ug/l
RT: 6.117 min Scan# 855
Delta R.T. 0.006 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

Tgt Ion: 78 Resp: 993
Ion Ratio Lower Upper
78 100
77 19.6 18.9 28.3

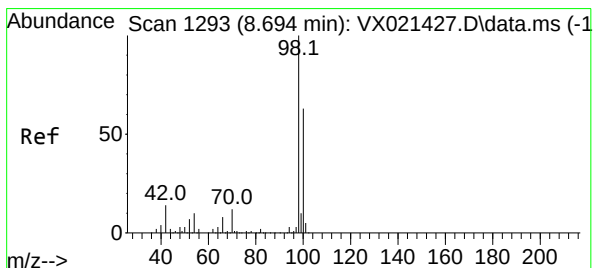
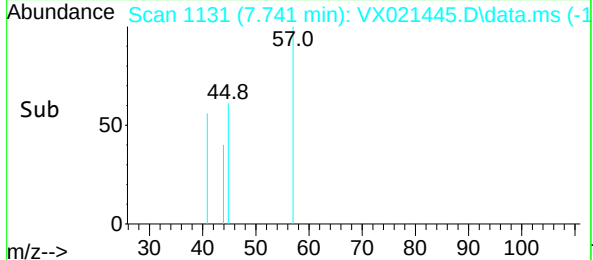
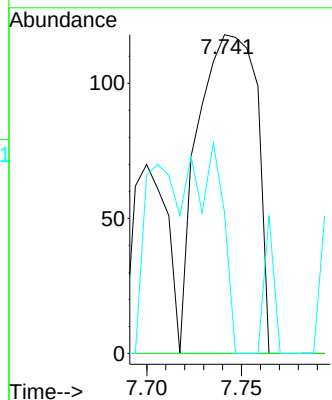
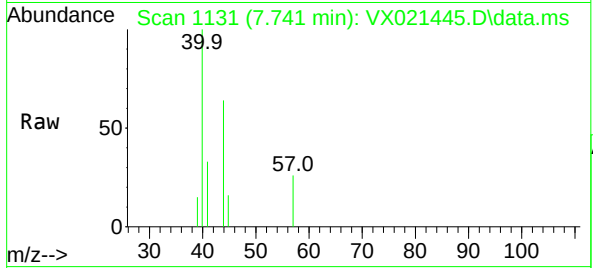




#48
Methyl methacrylate
Concen: 0.21 ug/l
RT: 7.741 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

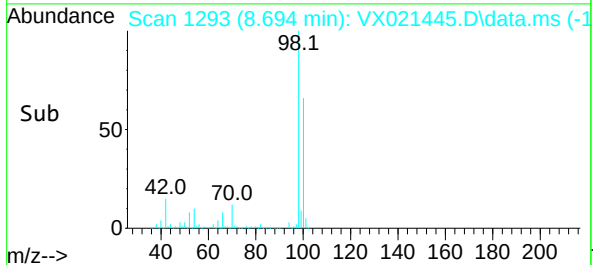
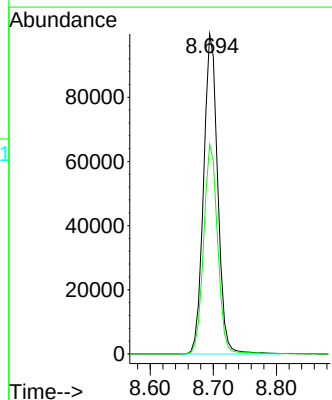
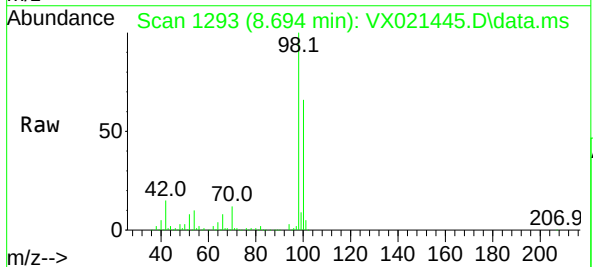
Instrument :
MSVOA_X
ClientSampled :
30808

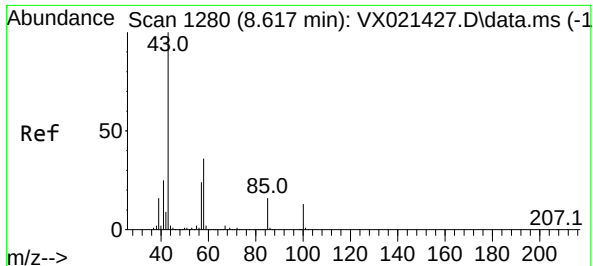
Tgt Ion: 41 Resp: 254
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#50
Toluene-d8
Concen: 49.53 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

Tgt Ion: 98 Resp: 155048
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9

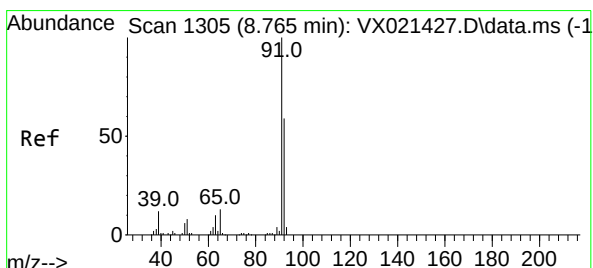
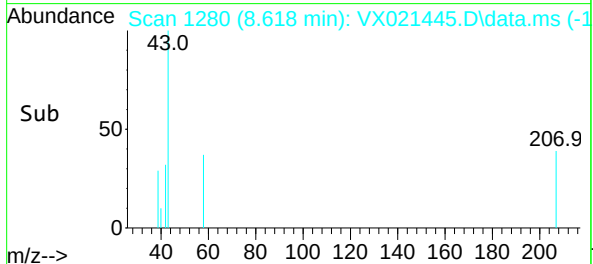
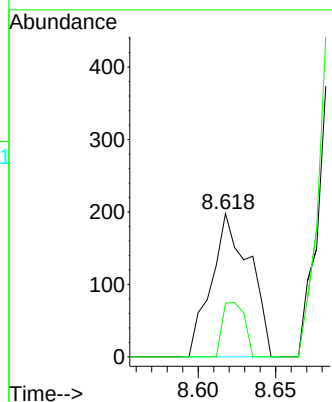
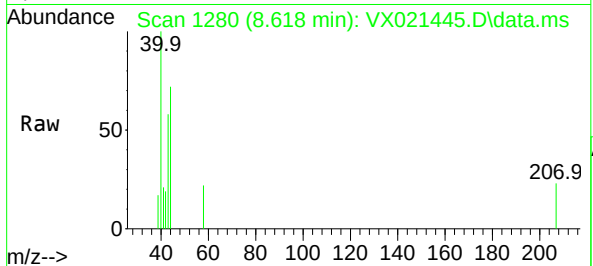




#51
4-Methyl-2-Pentanone
Concen: 0.24 ug/l
RT: 8.618 min Scan# 1280
Delta R.T. 0.001 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

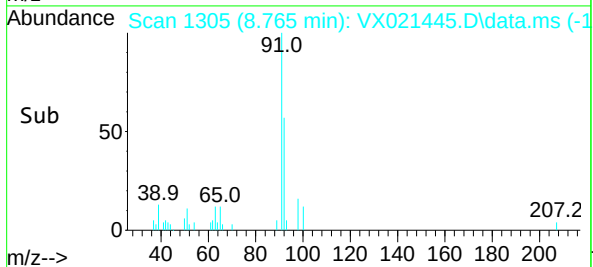
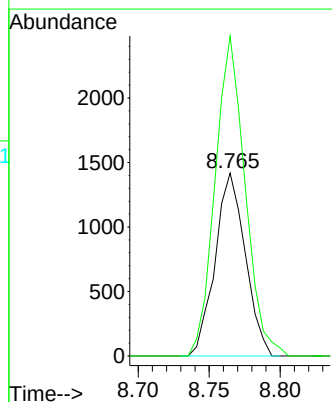
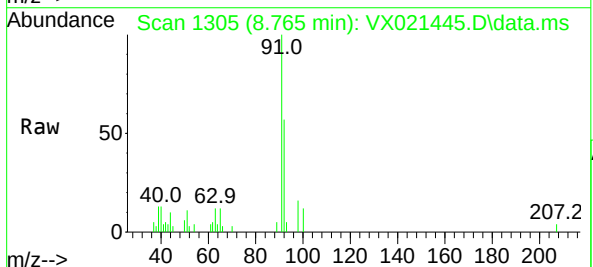
Instrument :
MSVOA_X
ClientSampleId :
30808

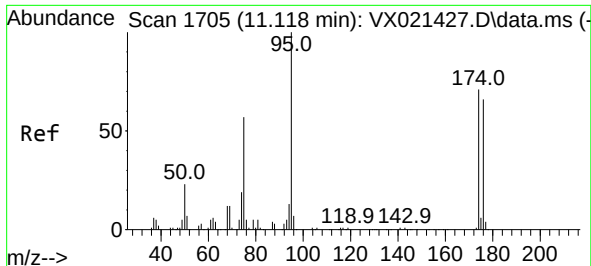
Tgt Ion: 43 Resp: 340
Ion Ratio Lower Upper
43 100
58 21.8 35.4 53.0#



#52
Toluene
Concen: 0.99 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

Tgt Ion: 92 Resp: 2094
Ion Ratio Lower Upper
92 100
91 173.3 137.1 205.7

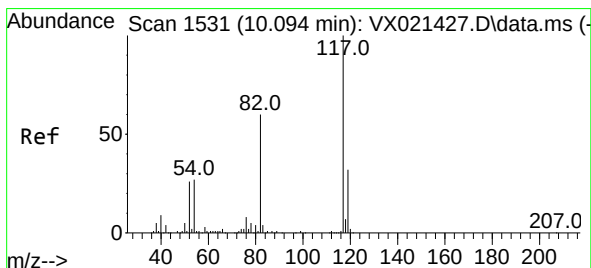
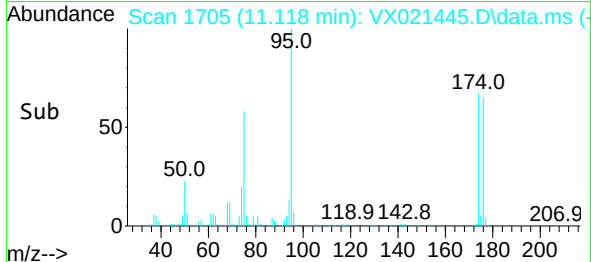
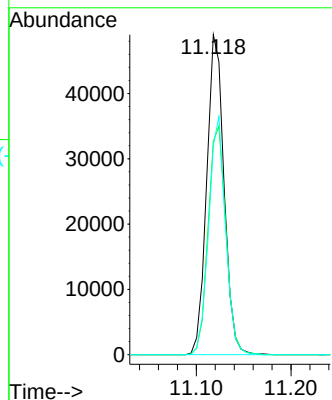
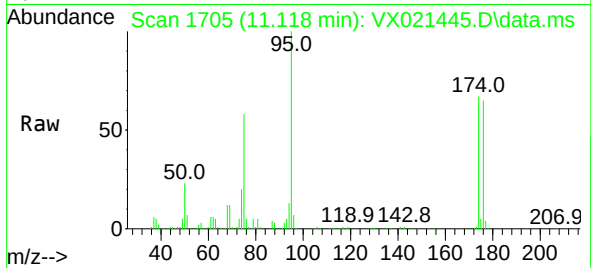




#62
4-Bromofluorobenzene
Concen: 51.10 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

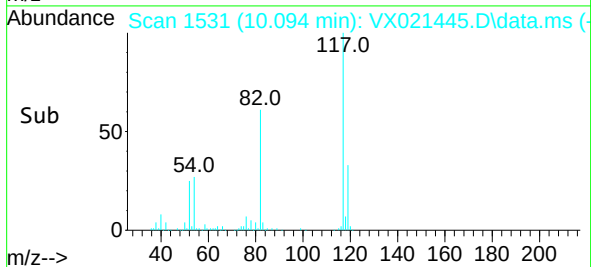
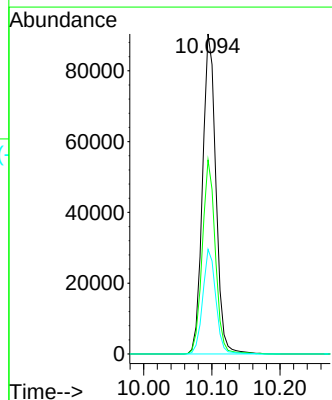
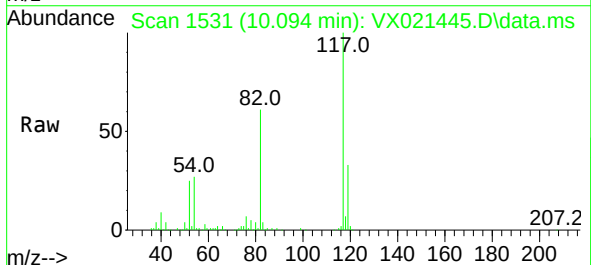
Instrument :
MSVOA_X
ClientSampled :
30808

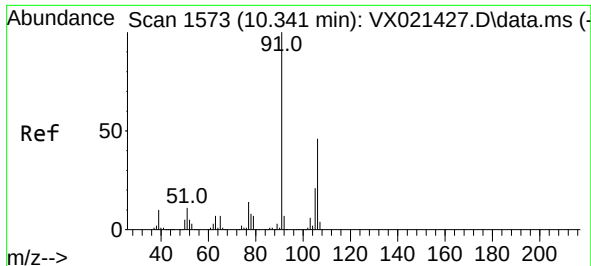
Tgt Ion: 95 Resp: 62184
Ion Ratio Lower Upper
95 100
174 73.3 0.0 154.6
176 72.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

Tgt Ion: 117 Resp: 123124
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 32.7 26.6 39.8

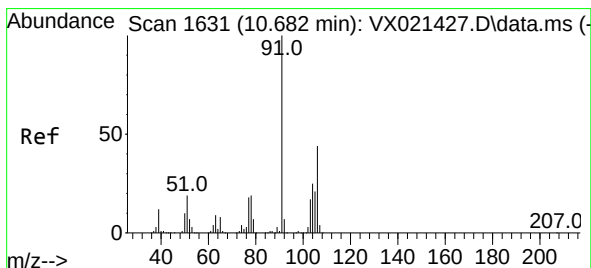
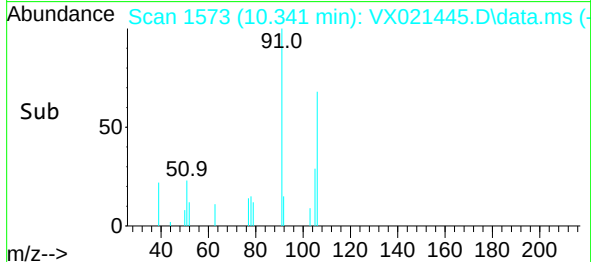
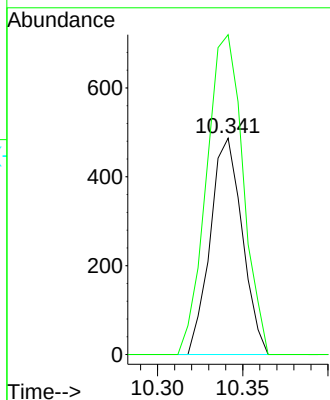
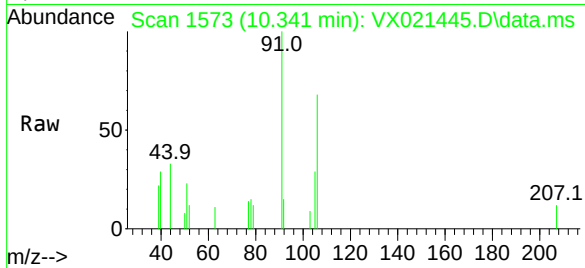




#68
m/p-Xylenes
Concen: 0.40 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

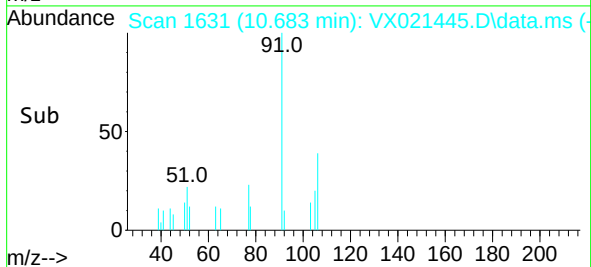
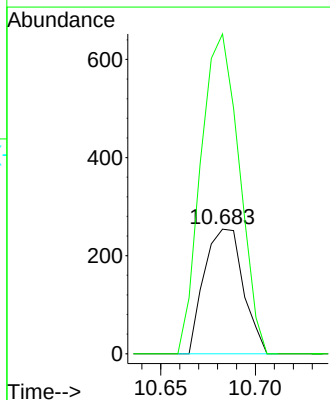
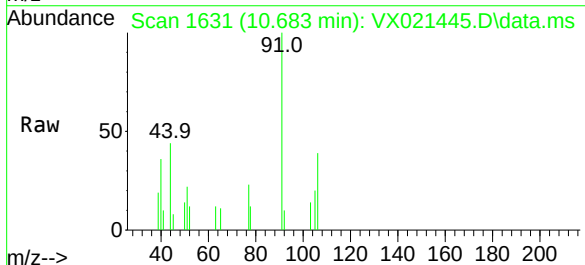
Instrument :
MSVOA_X
ClientSampleId :
30808

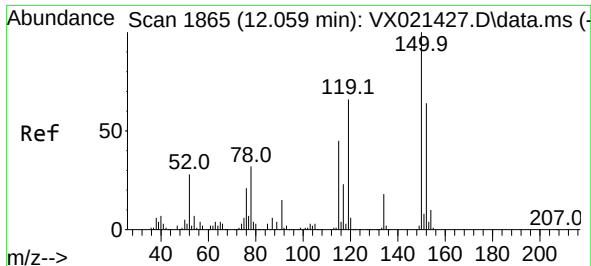
Tgt Ion:106 Resp: 636
Ion Ratio Lower Upper
106 100
91 169.2 162.8 244.2



#69
o-Xylene
Concen: 0.23 ug/l
RT: 10.683 min Scan# 1631
Delta R.T. 0.001 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

Tgt Ion:106 Resp: 363
Ion Ratio Lower Upper
106 100
91 253.2 108.1 324.2

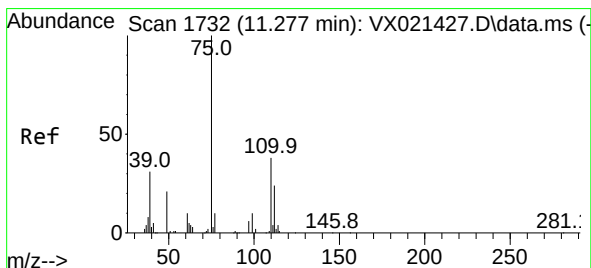
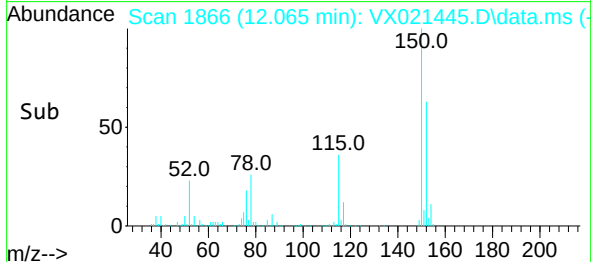
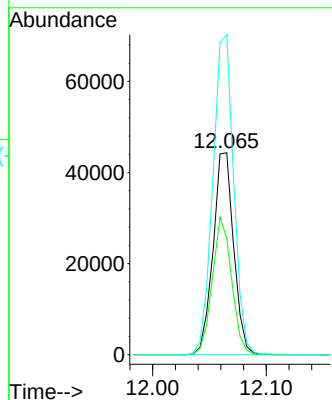
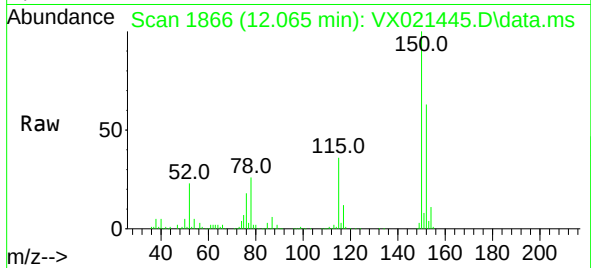




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

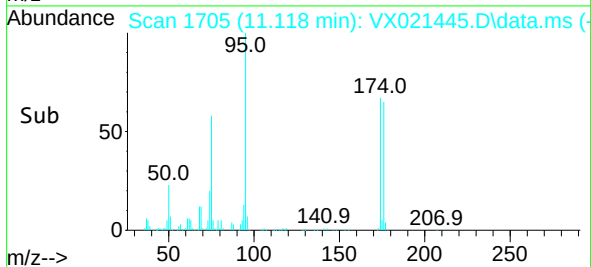
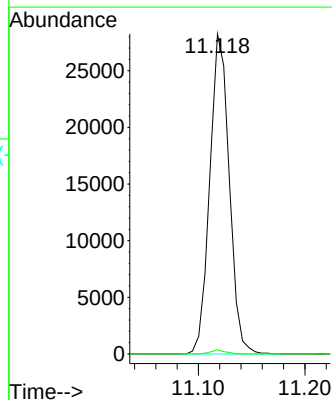
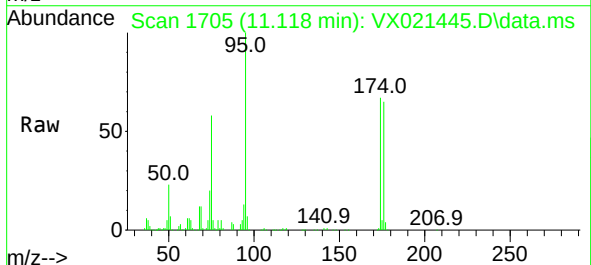
Instrument :
MSVOA_X
ClientSampleId :
30808

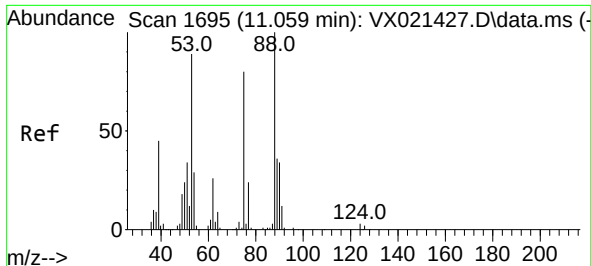
Tgt Ion:152 Resp: 55861
Ion Ratio Lower Upper
152 100
115 63.8 41.1 123.3
150 160.4 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 27.56 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

Tgt Ion: 75 Resp: 35839
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

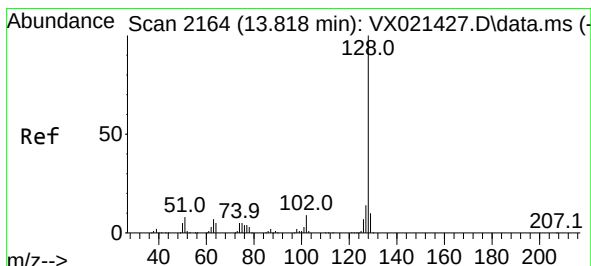
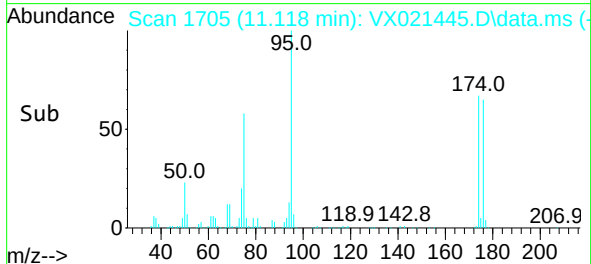
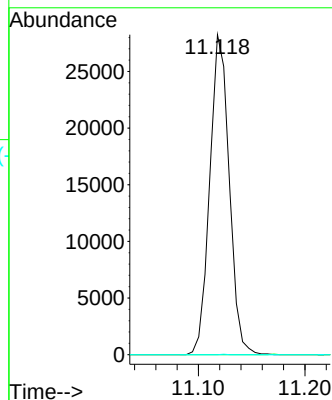
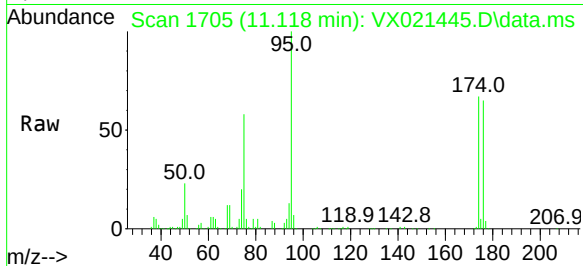




#81
trans-1,4-Dichloro-2-butene
Concen: 83.94 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

Instrument :
MSVOA_X
ClientSampleId :
30808

Tgt Ion: 75 Resp: 35839
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 1.14 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021445.D
Acq: 24 Mar 2021 18:46

Tgt Ion: 128 Resp: 4168
Ion Ratio Lower Upper
128 100
127 12.4 10.3 15.5
129 10.9 8.8 13.2

