

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032421\
 Data File : VX021444.D
 Acq On : 24 Mar 2021 18:23
 Operator : JC/MD
 Sample : M1774-02 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 25 02:54:40 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)

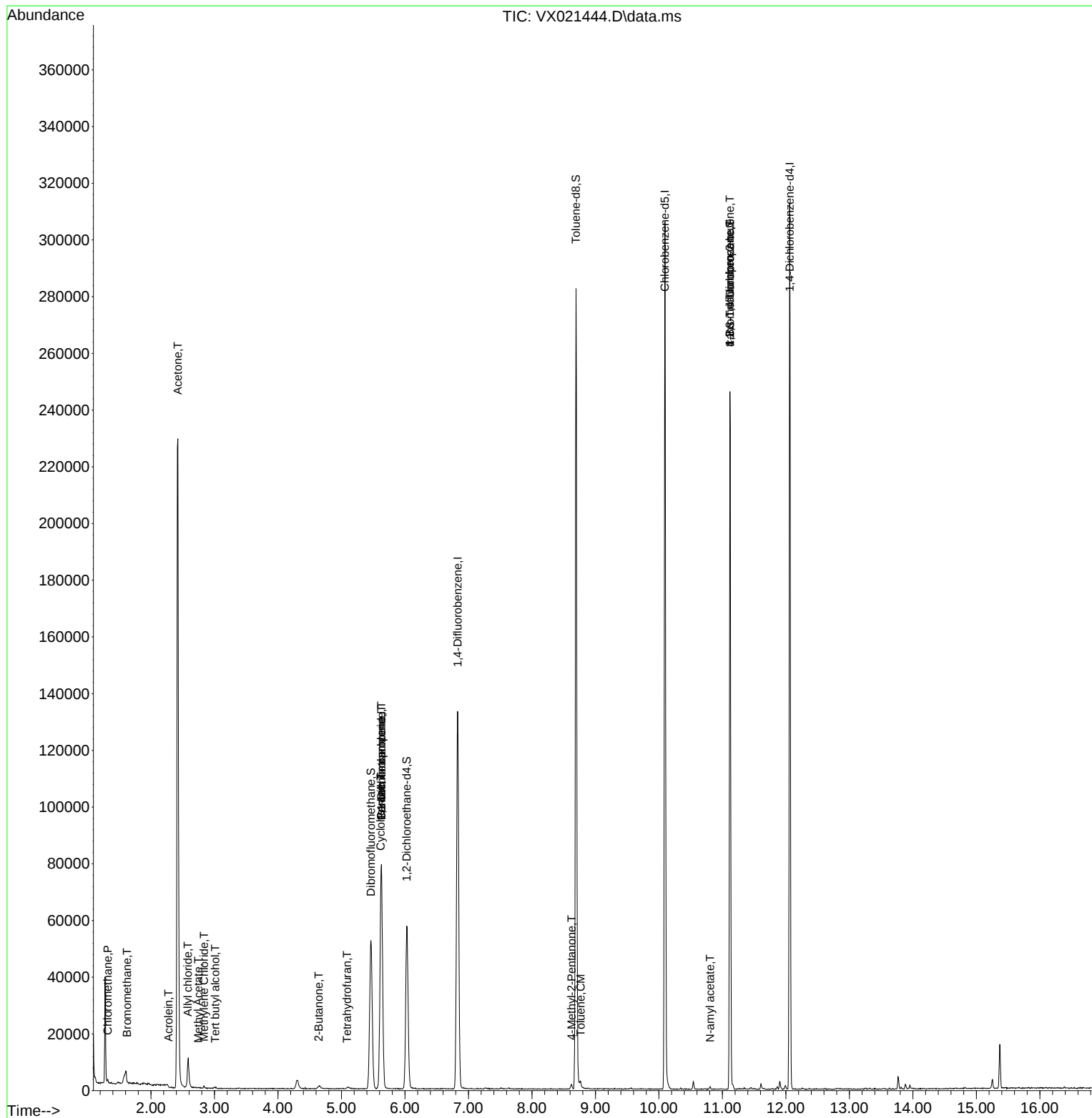
Internal Standards						
1) Pentafluorobenzene	5.629	168	67583	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.829	114	125001	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	127210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	57773	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	56377	50.14	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.28%	
35) Dibromofluoromethane	5.464	113	43221	48.68	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.36%	
50) Toluene-d8	8.694	98	155545	49.16	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.32%	
62) 4-Bromofluorobenzene	11.118	95	64426	52.37	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.74%	
Target Compounds						
						Qvalue
3) Chloromethane	1.317	50	1583	1.89	ug/l	# 85
5) Bromomethane	1.623	94	166	0.54	ug/l	# 55
11) Tert butyl alcohol	3.011	59	399	2.15	ug/l	# 73
13) Acrolein	2.276	56	82	5.16	ug/l	# 1
14) Allyl chloride	2.582	41	1363	0.99	ug/l	# 55
16) Acetone	2.423	43	246213	579.09	ug/l	89
18) Methyl Acetate	2.746	43	855	0.70	ug/l	# 47
20) Methylene Chloride	2.835	84	234	0.28	ug/l	# 67
25) 2-Butanone	4.641	43	1511	2.34	ug/l	# 66
29) Tetrahydrofuran	5.088	42	164	0.39	ug/l	# 27
31) Cyclohexane	5.617	56	2005	1.62	ug/l	# 43
36) 1,1-Dichloropropene	5.629	75	6268	5.12	ug/l	# 50
38) Carbon Tetrachloride	5.629	117	7351	5.59	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.624	43	929	0.66	ug/l	# 86
52) Toluene	8.765	92	545	0.25	ug/l	93
74) N-amyl acetate	10.806	43	539	0.27	ug/l	# 38
76) 1,2,3-Trichloropropane	11.118	75	36598	27.21	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.118	75	36598	82.88	ug/l	# 12

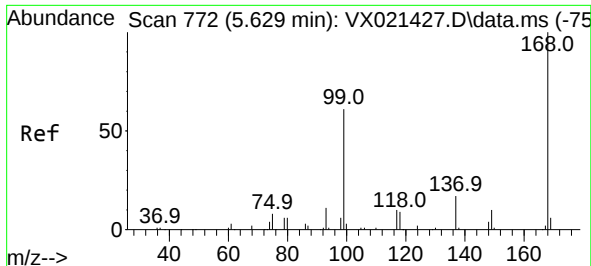
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

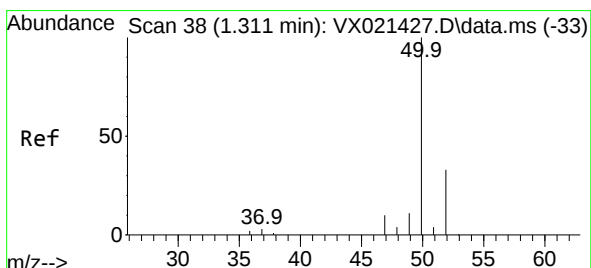
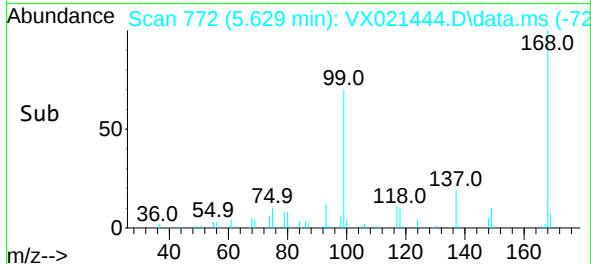
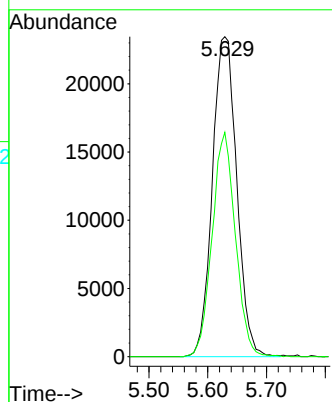
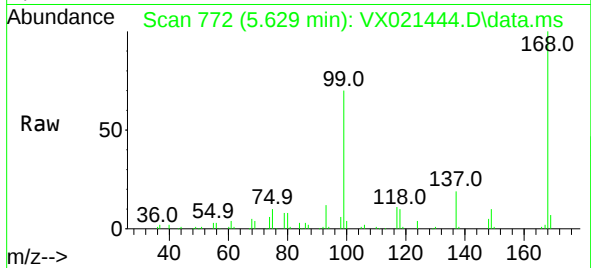




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.000 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

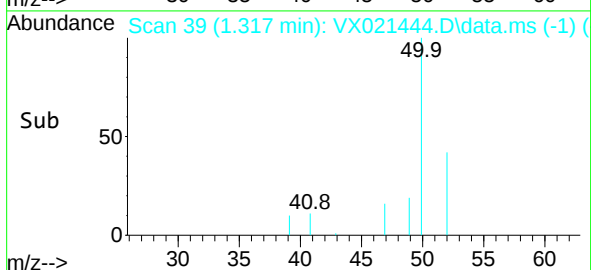
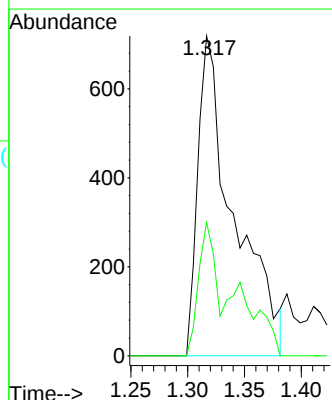
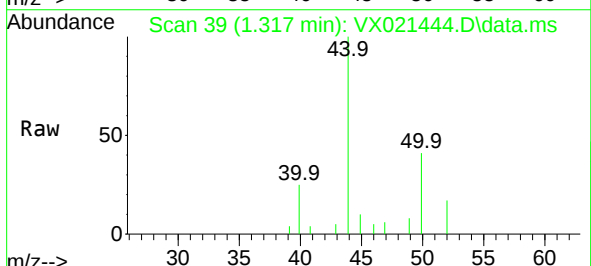
Instrument :
MSVOA_X
ClientSampled :

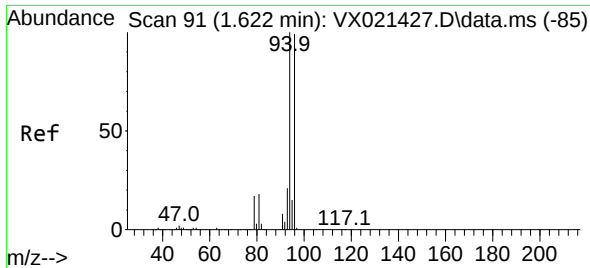
Tgt Ion:168 Resp: 67583
Ion Ratio Lower Upper
168 100
99 70.1 45.8 68.6#



#3
Chloromethane
Concen: 1.89 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

Tgt Ion: 50 Resp: 1583
Ion Ratio Lower Upper
50 100
52 41.7 26.4 39.6#

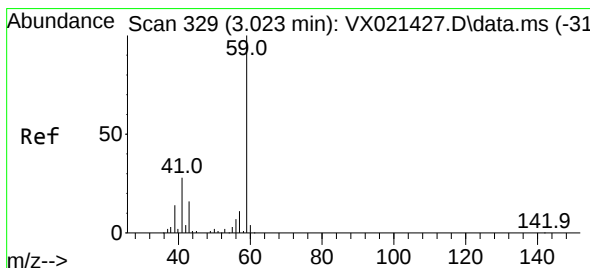
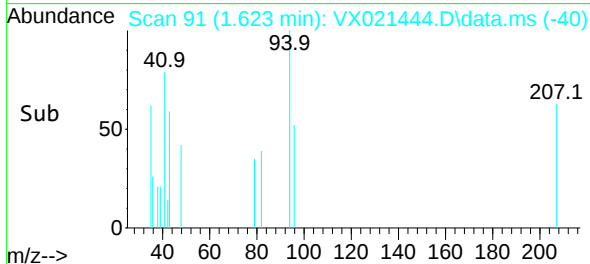
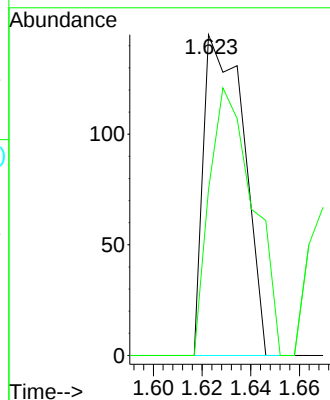
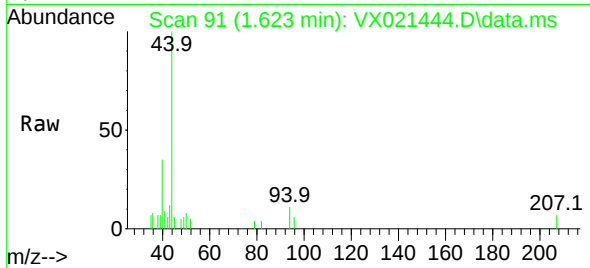




#5
Bromomethane
Concen: 0.54 ug/l
RT: 1.623 min Scan# 91
Delta R.T. 0.001 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

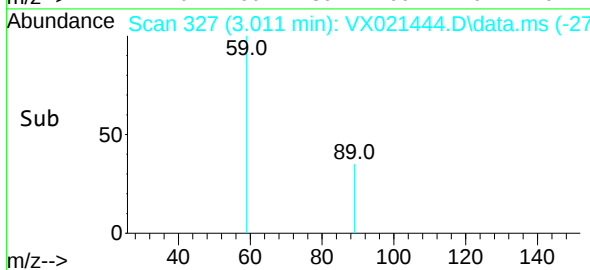
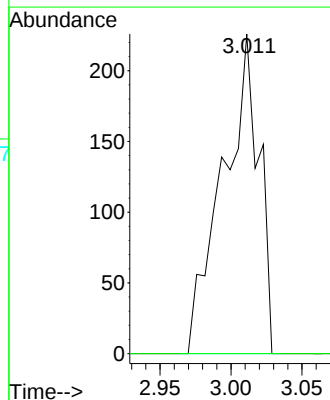
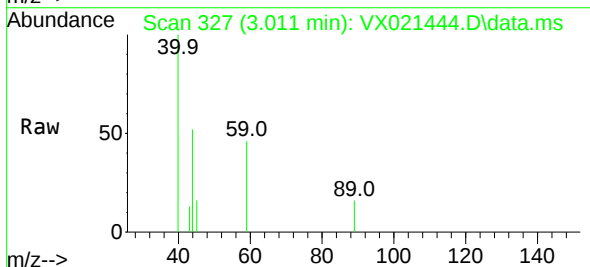
Instrument :
MSVOA_X
ClientSampled :

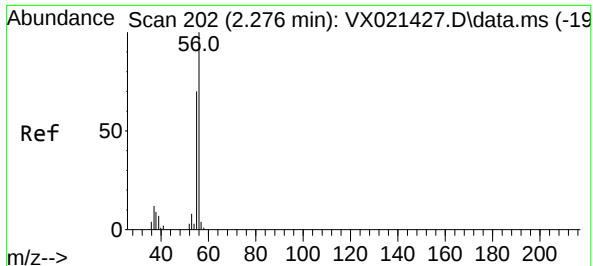
Tgt Ion: 94 Resp: 166
Ion Ratio Lower Upper
94 100
96 51.7 76.4 114.6#



#11
Tert butyl alcohol
Concen: 2.15 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.012 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

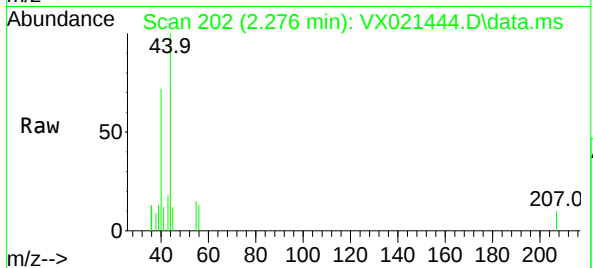
Tgt Ion: 59 Resp: 399
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



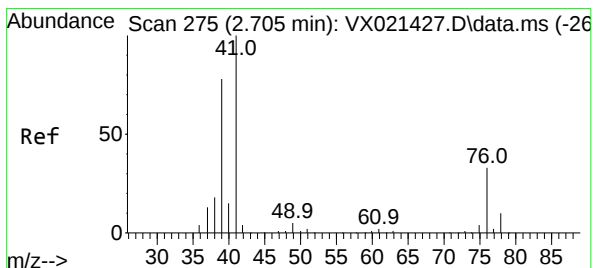
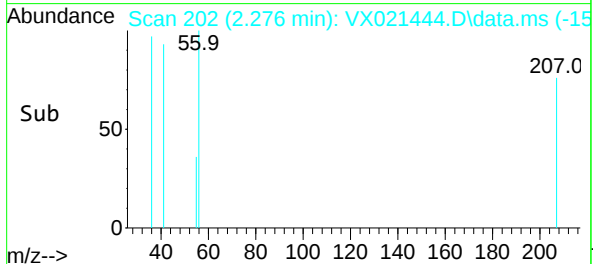
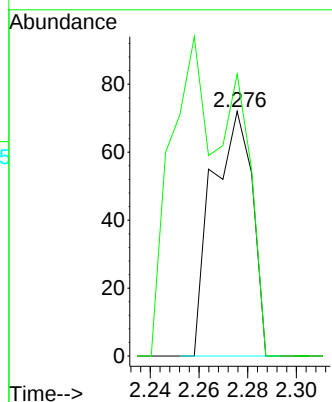


#13
Acrolein
Concen: 5.16 ug/l
RT: 2.276 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

Instrument :
MSVOA_X
ClientSampled :

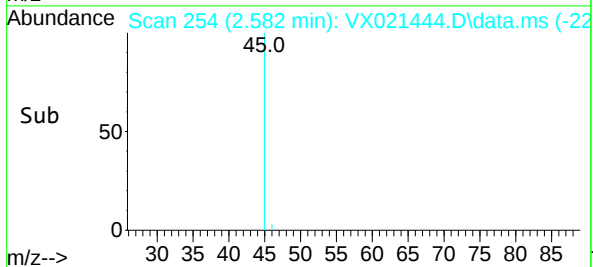
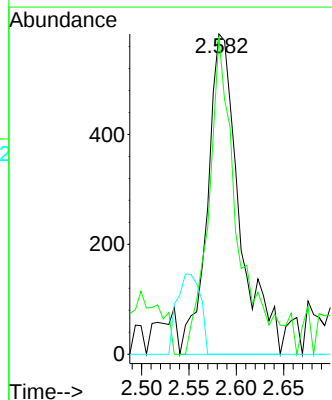
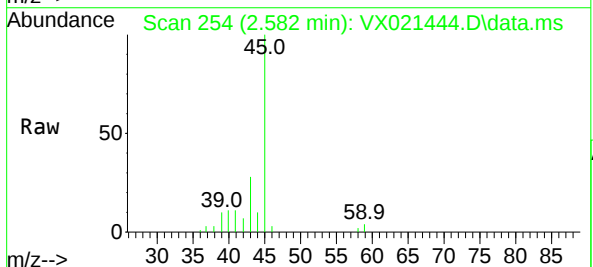


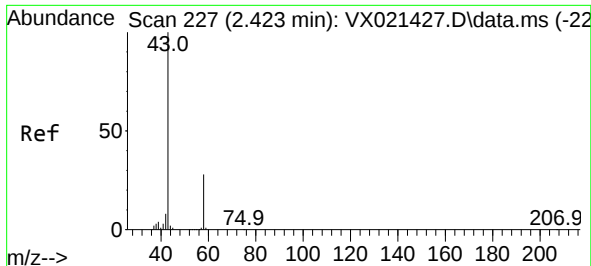
Tgt Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
55 208.5 56.4 84.6#



#14
Allyl chloride
Concen: 0.99 ug/l
RT: 2.582 min Scan# 254
Delta R.T. -0.123 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

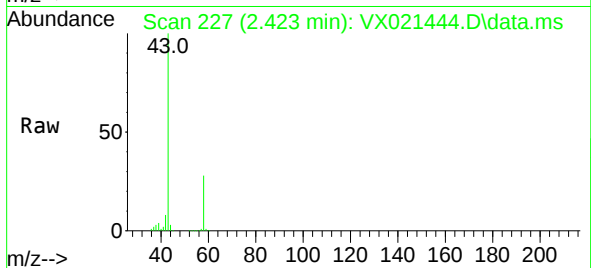
Tgt Ion: 41 Resp: 1363
Ion Ratio Lower Upper
41 100
39 91.8 51.6 77.4#
76 0.0 30.5 45.7#



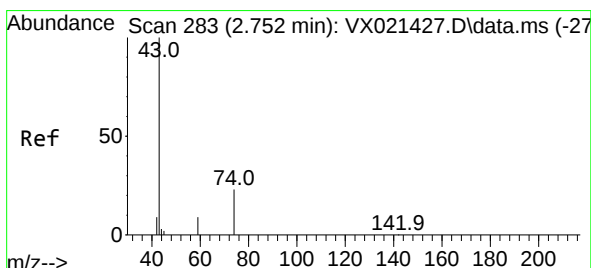
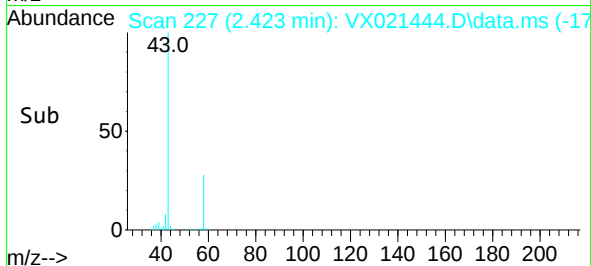
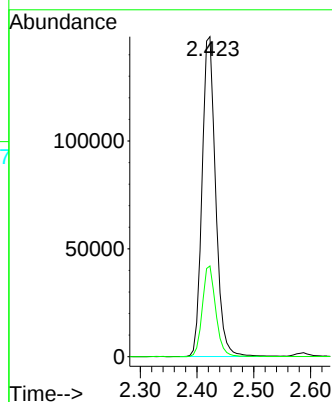


#16
Acetone
Concen: 579.09 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

Instrument :
MSVOA_X
ClientSampled :

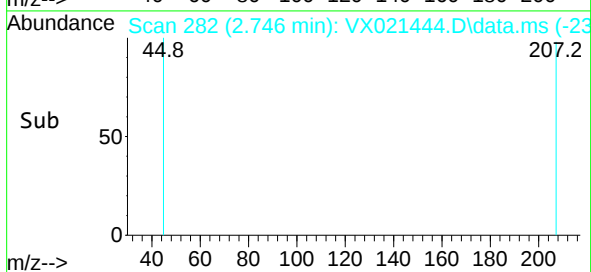
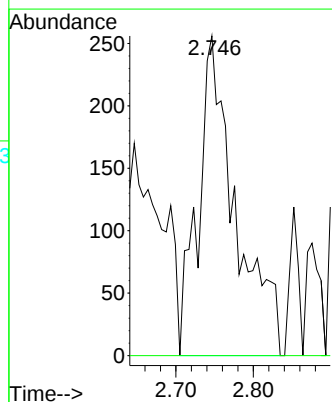
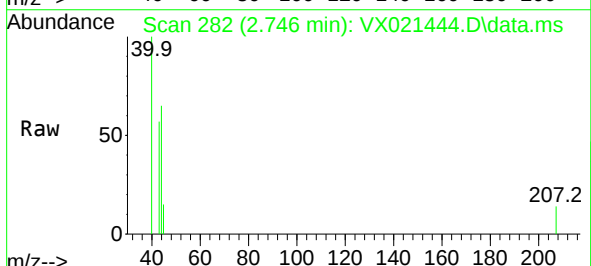


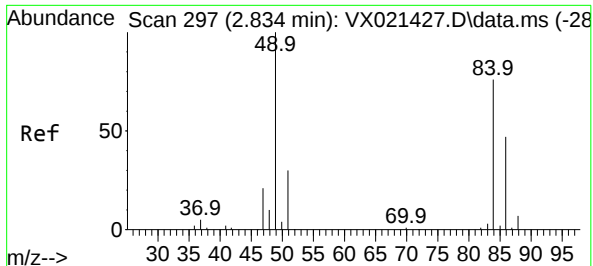
Tgt Ion: 43 Resp: 246213
Ion Ratio Lower Upper
43 100
58 28.3 27.8 41.8



#18
Methyl Acetate
Concen: 0.70 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

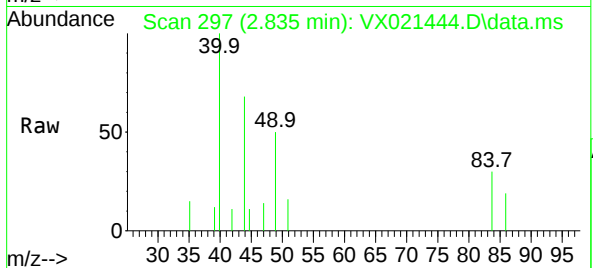
Tgt Ion: 43 Resp: 855
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





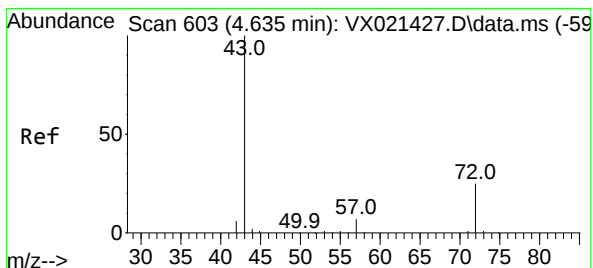
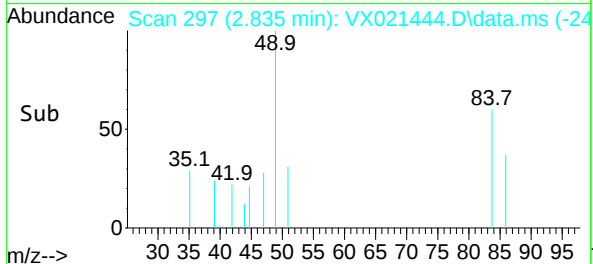
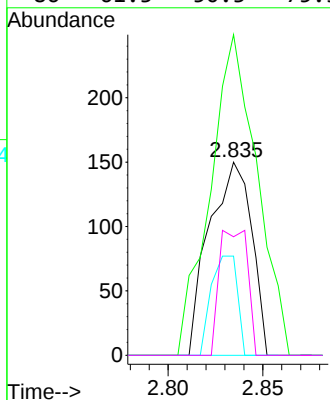
#20
Methylene Chloride
Concen: 0.28 ug/l
RT: 2.835 min Scan# 297
Delta R.T. 0.001 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 84 Resp: 234

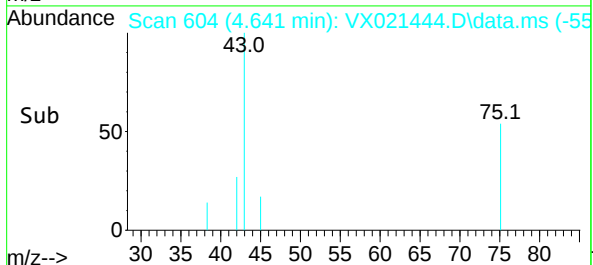
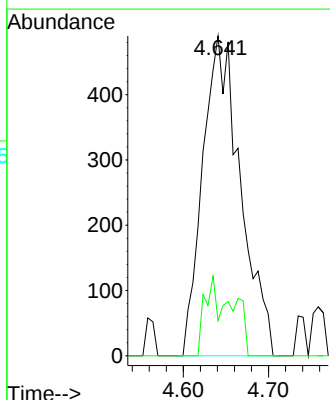
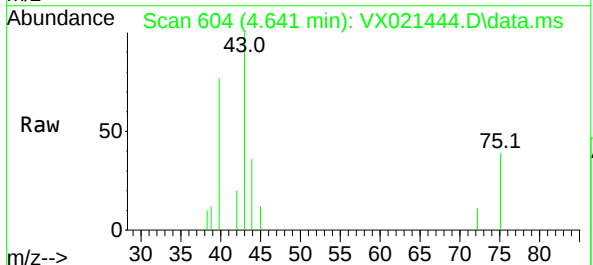
Ion	Ratio	Lower	Upper
84	100		
49	166.0	88.6	132.8#
51	51.3	27.0	40.6#
86	61.3	50.3	75.5

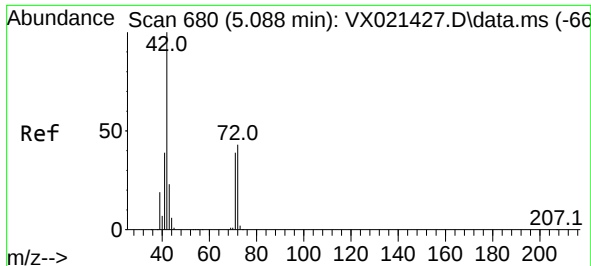


#25
2-Butanone
Concen: 2.34 ug/l
RT: 4.641 min Scan# 604
Delta R.T. 0.006 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

Tgt Ion: 43 Resp: 1511

Ion	Ratio	Lower	Upper
43	100		
72	11.0	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.39 ug/l

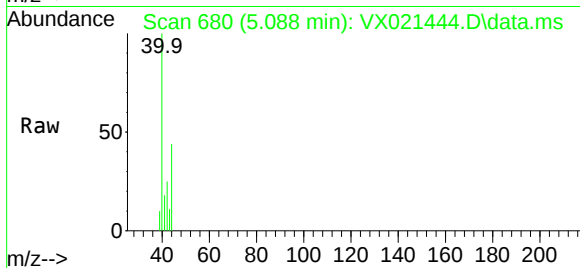
RT: 5.088 min Scan# 680

Delta R.T. -0.000 min

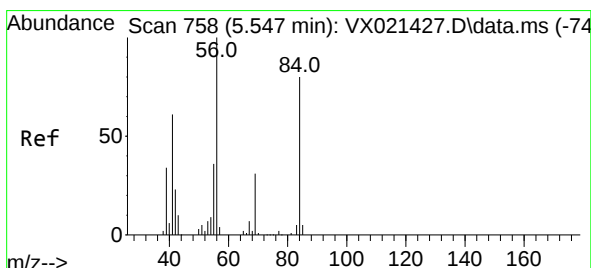
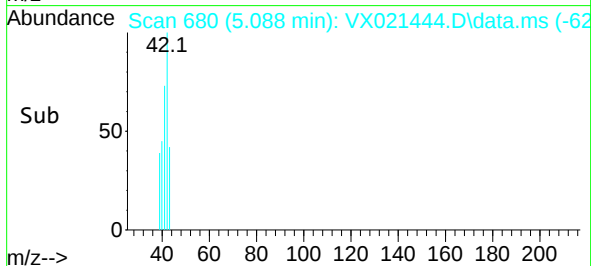
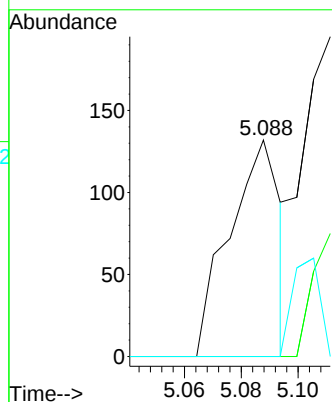
Lab File: VX021444.D

Acq: 24 Mar 2021 18:23

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 42	Resp: 164
Ion Ratio	Lower Upper
42	100
72	0.0 41.7 62.5#
71	0.0 38.4 57.6#



#31

Cyclohexane

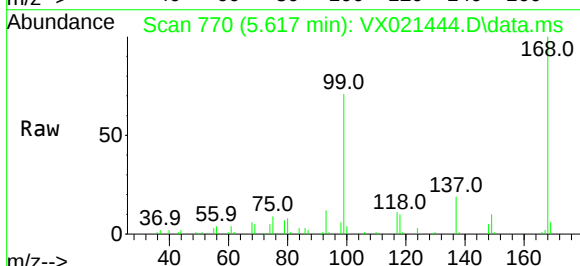
Concen: 1.62 ug/l

RT: 5.617 min Scan# 770

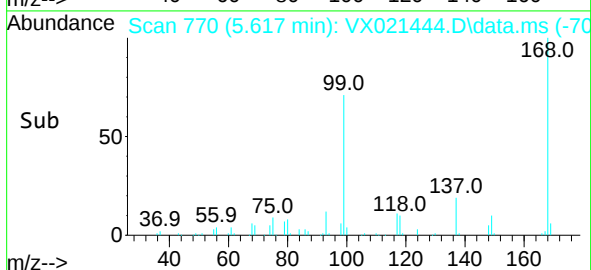
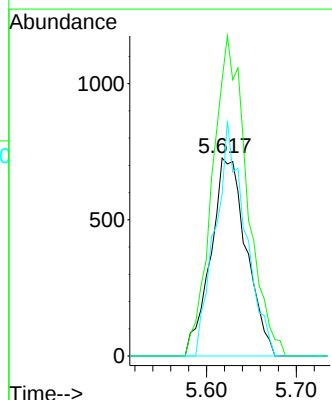
Delta R.T. 0.070 min

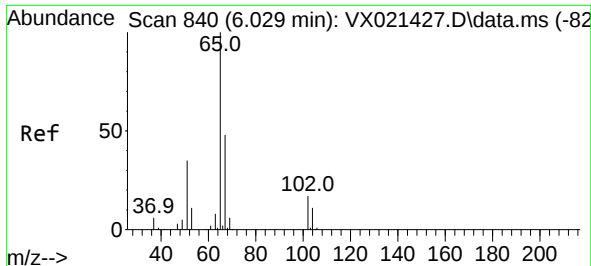
Lab File: VX021444.D

Acq: 24 Mar 2021 18:23



Tgt Ion: 56	Resp: 2005
Ion Ratio	Lower Upper
56	100
69	139.5 25.3 37.9#
84	81.7 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 50.14 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021444.D

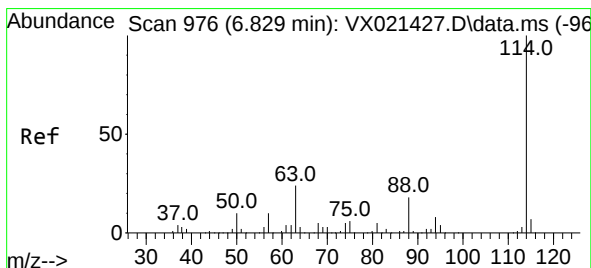
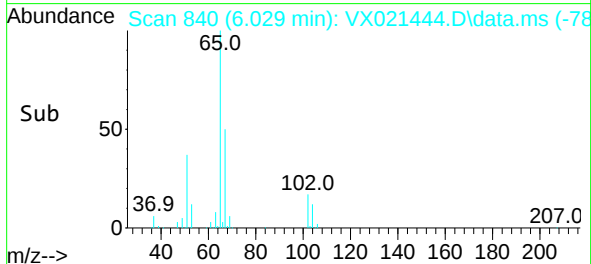
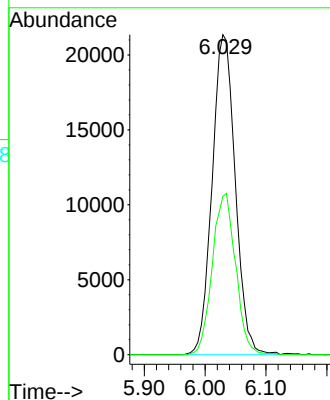
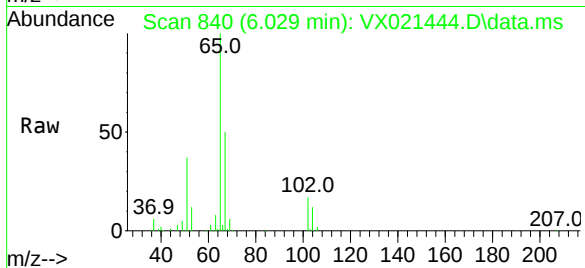
Acq: 24 Mar 2021 18:23

Tgt Ion: 65 Resp: 56377

Ion Ratio Lower Upper

65 100

67 50.7 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: VX021444.D

Acq: 24 Mar 2021 18:23

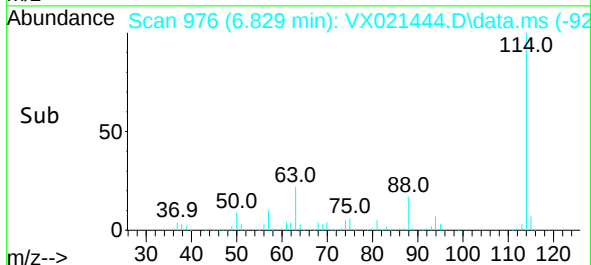
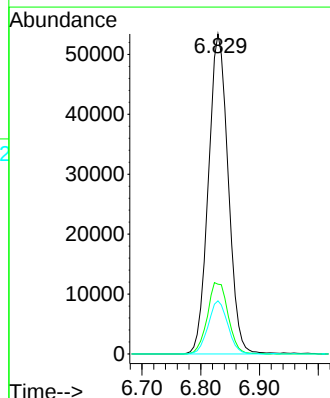
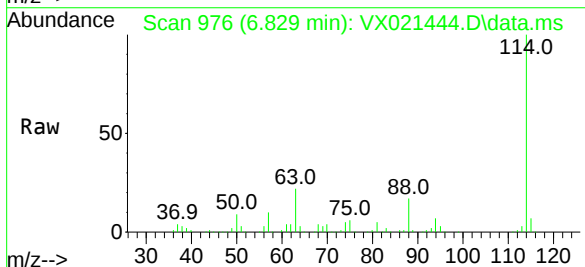
Tgt Ion: 114 Resp: 125001

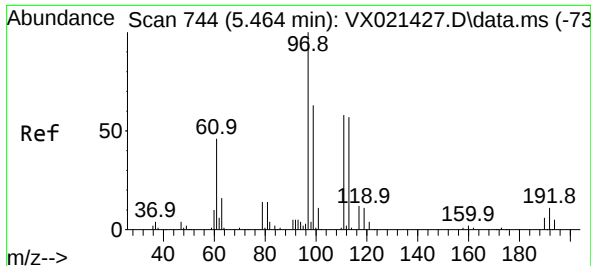
Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.8

88 16.6 0.0 32.8

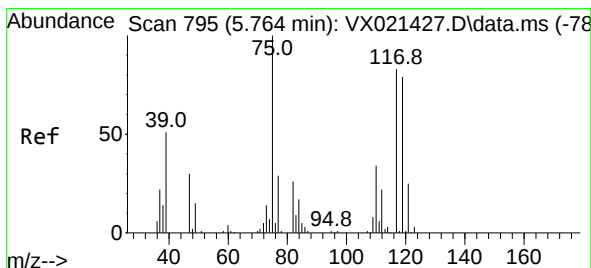
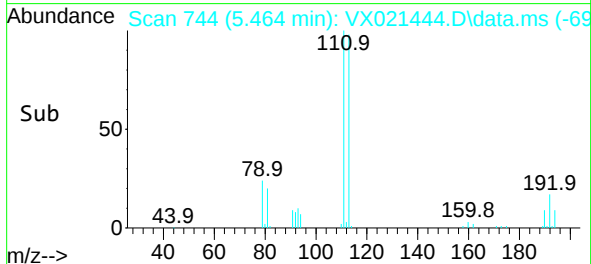
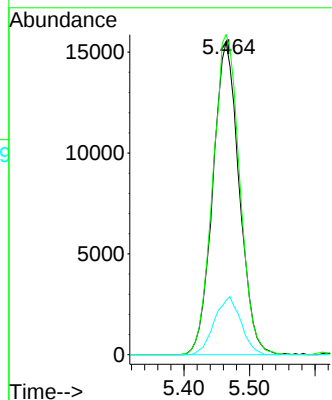
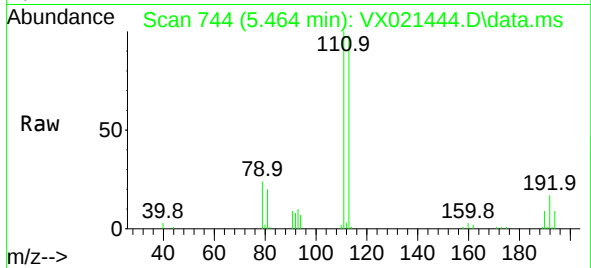




#35
Dibromofluoromethane
Concen: 48.68 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

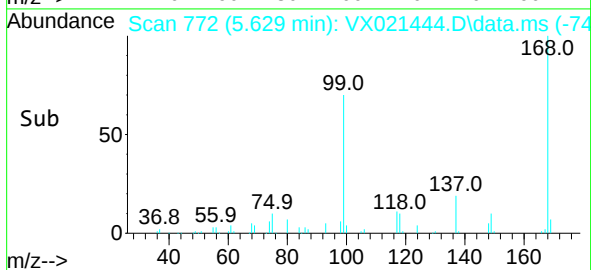
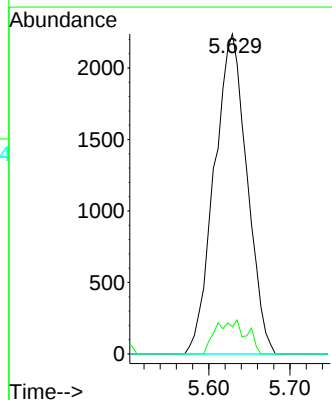
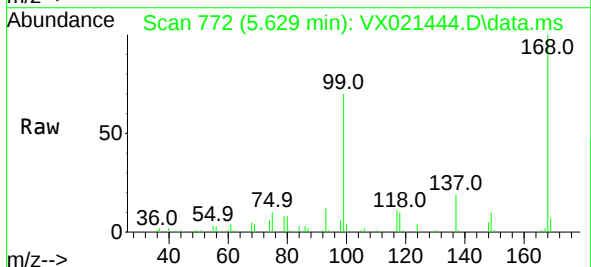
Instrument :
MSVOA_X
ClientSampled :

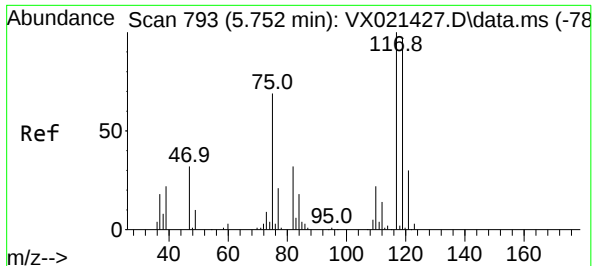
Tgt Ion:113 Resp: 43221
Ion Ratio Lower Upper
113 100
111 104.4 81.9 122.9
192 18.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.12 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

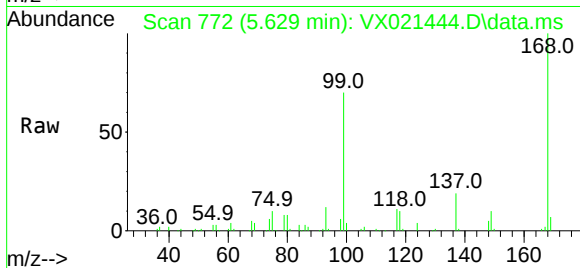
Tgt Ion: 75 Resp: 6268
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.4#
77 0.0 25.3 37.9#



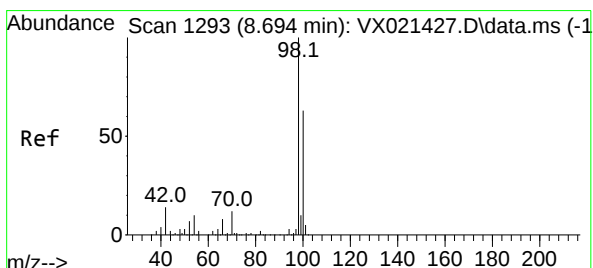
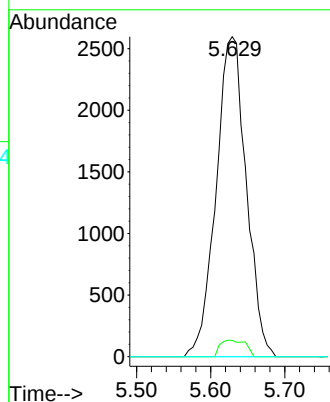
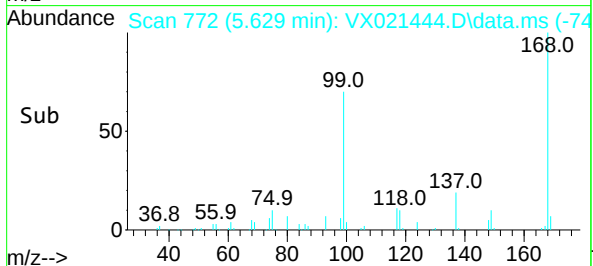


#38
Carbon Tetrachloride
Concen: 5.59 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

Instrument :
MSVOA_X
ClientSampled :

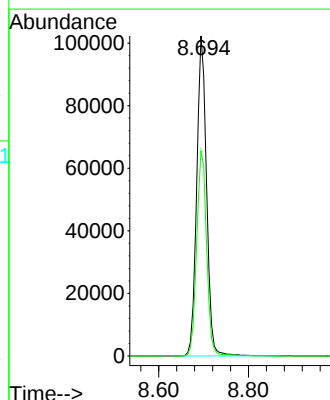
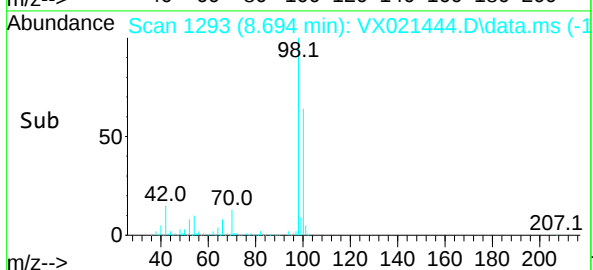
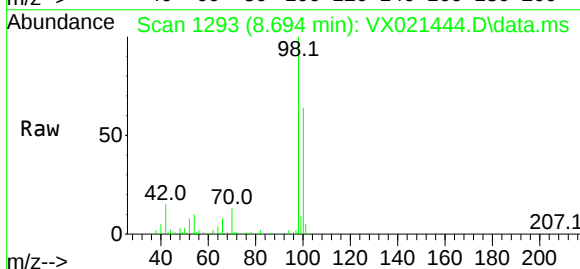


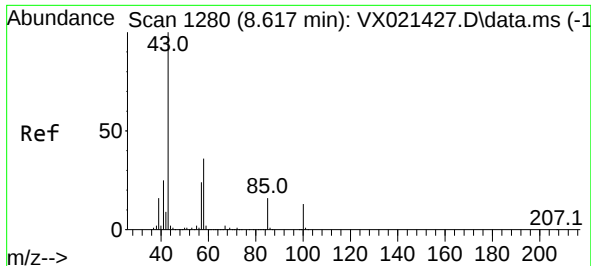
Tgt Ion:117 Resp: 7351
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.16 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

Tgt Ion: 98 Resp: 155545
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

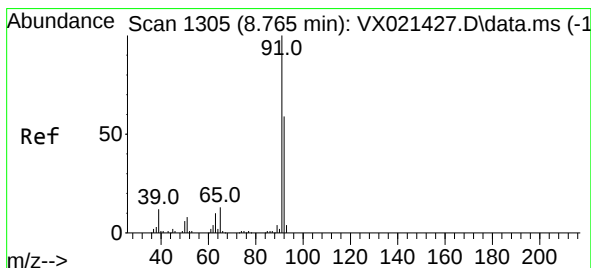
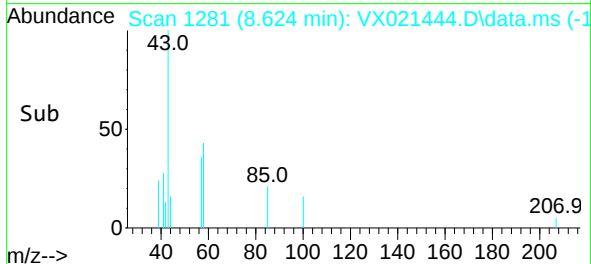
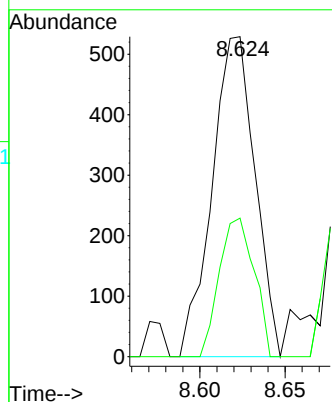
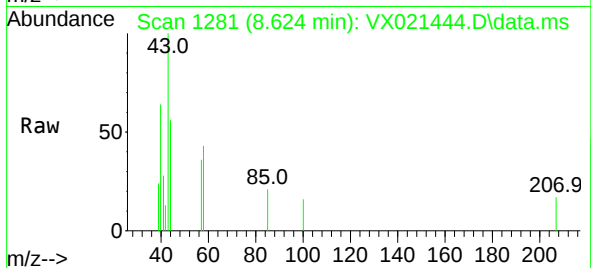




#51
4-Methyl-2-Pentanone
Concen: 0.66 ug/l
RT: 8.624 min Scan# 1281
Delta R.T. 0.007 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

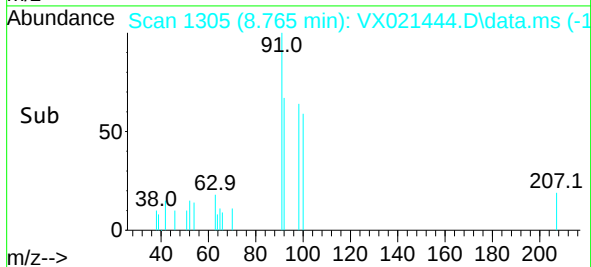
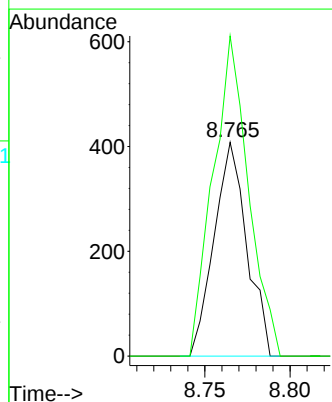
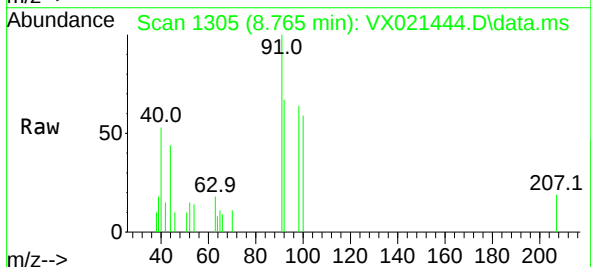
Instrument :
MSVOA_X
ClientSampled :

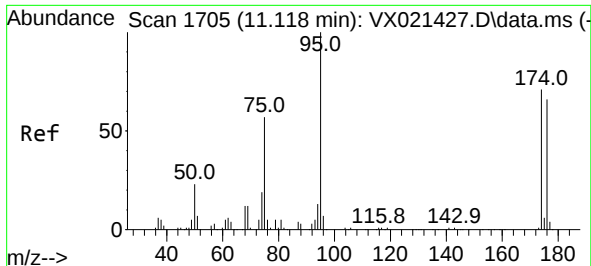
Tgt Ion: 43 Resp: 929
Ion Ratio Lower Upper
43 100
58 35.2 35.4 53.0#



#52
Toluene
Concen: 0.25 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

Tgt Ion: 92 Resp: 545
Ion Ratio Lower Upper
92 100
91 162.4 137.1 205.7

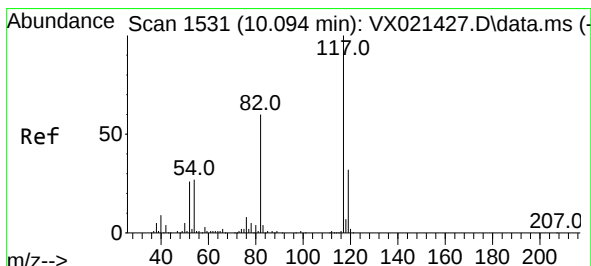
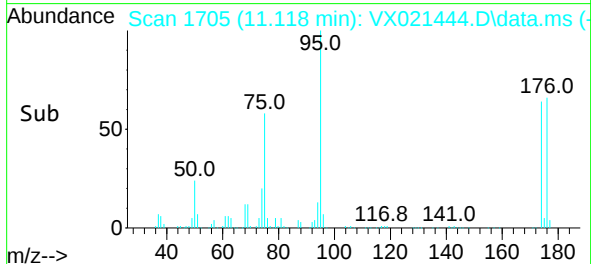
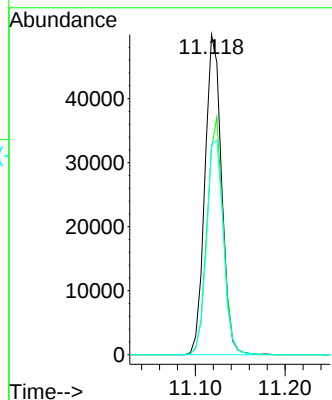
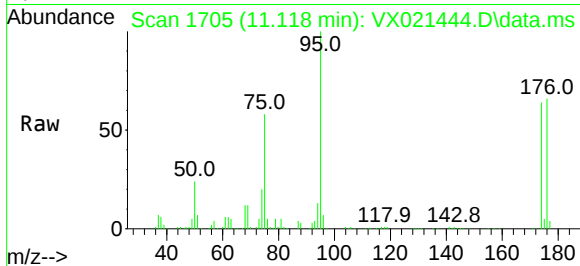




#62
4-Bromofluorobenzene
Concen: 52.37 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

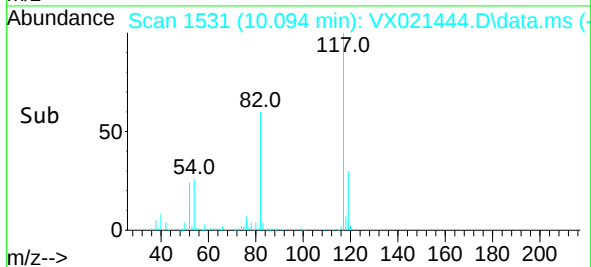
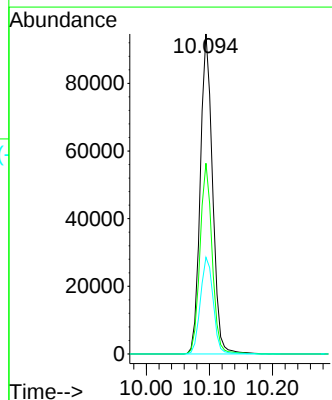
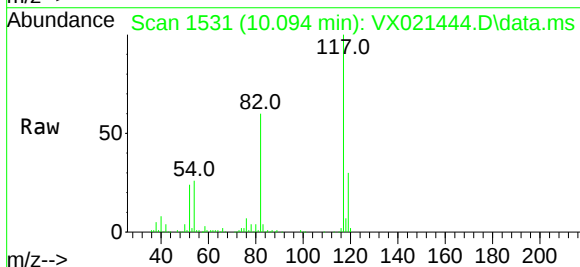
Instrument :
MSVOA_X
ClientSampled :

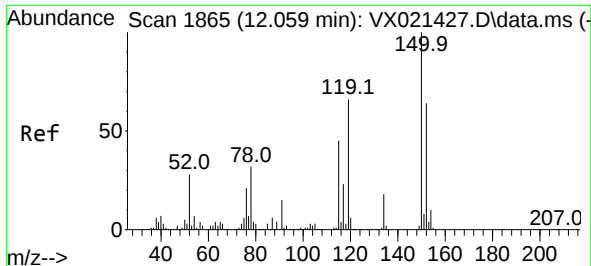
Tgt Ion: 95 Resp: 64426
Ion Ratio Lower Upper
95 100
174 71.7 0.0 154.6
176 67.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

Tgt Ion: 117 Resp: 127210
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.2
119 30.2 26.6 39.8

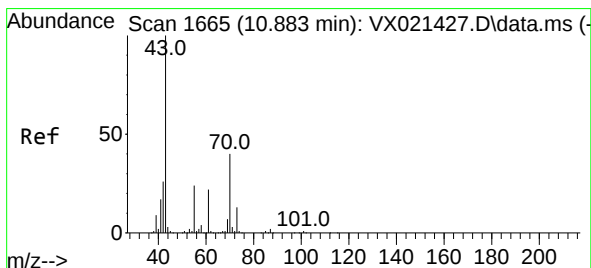
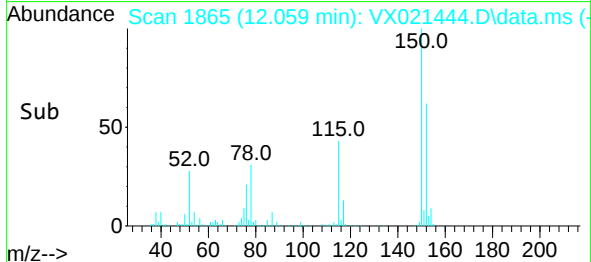
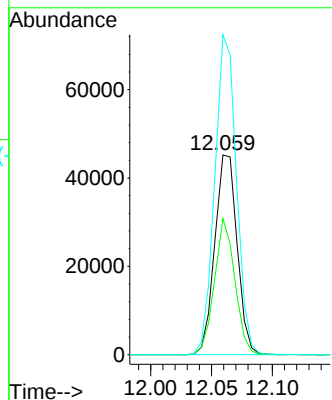
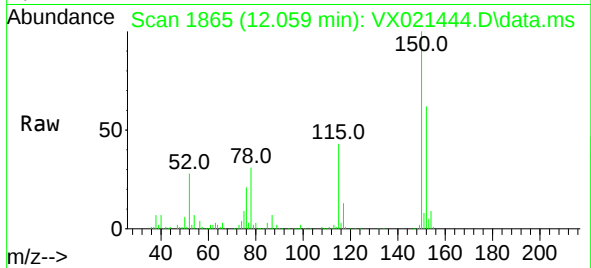




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

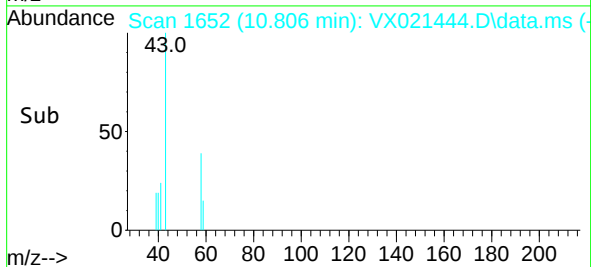
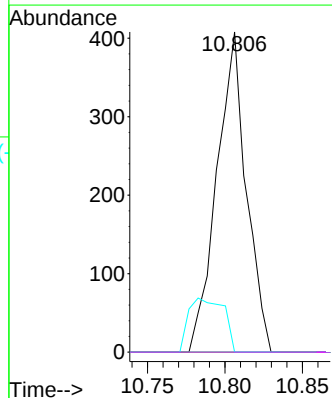
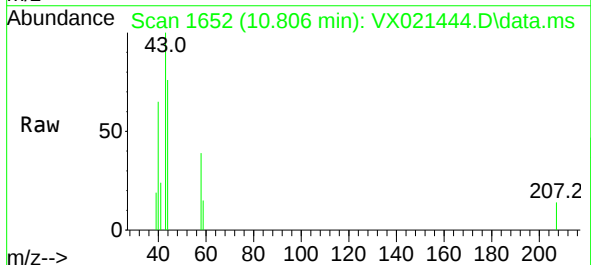
Instrument :
MSVOA_X
ClientSampled :

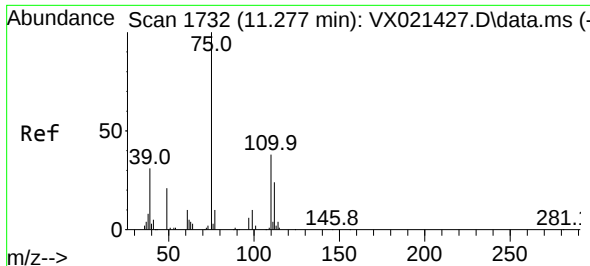
Tgt Ion:152 Resp: 57773
Ion Ratio Lower Upper
152 100
115 62.2 41.1 123.3
150 155.4 0.0 349.0



#74
N-ethyl acetate
Concen: 0.27 ug/l
RT: 10.806 min Scan# 1652
Delta R.T. -0.077 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

Tgt Ion: 43 Resp: 539
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

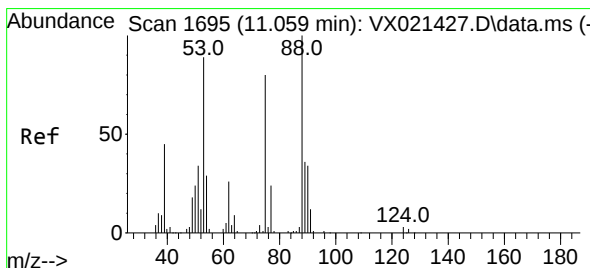
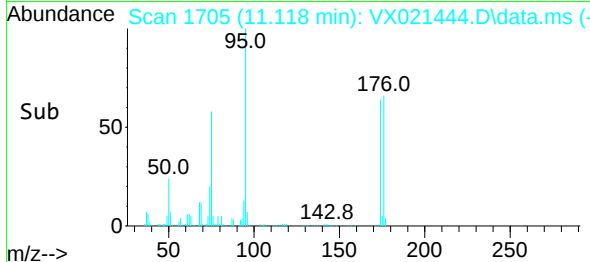
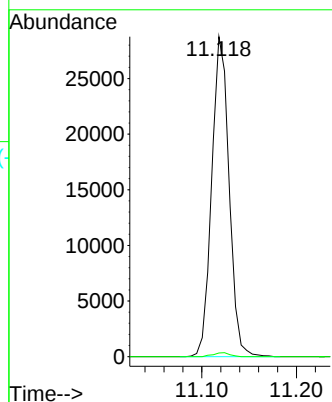
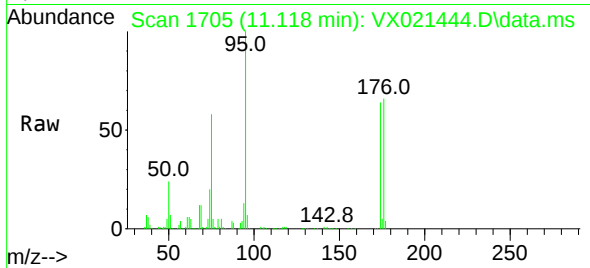




#76
1,2,3-Trichloropropane
Concen: 27.21 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 36598
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.88 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021444.D
Acq: 24 Mar 2021 18:23

Tgt Ion: 75 Resp: 36598
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

