

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032321\
 Data File : VX021396.D
 Acq On : 23 Mar 2021 19:17
 Operator : JC/MD
 Sample : M1724-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 24 01:59:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

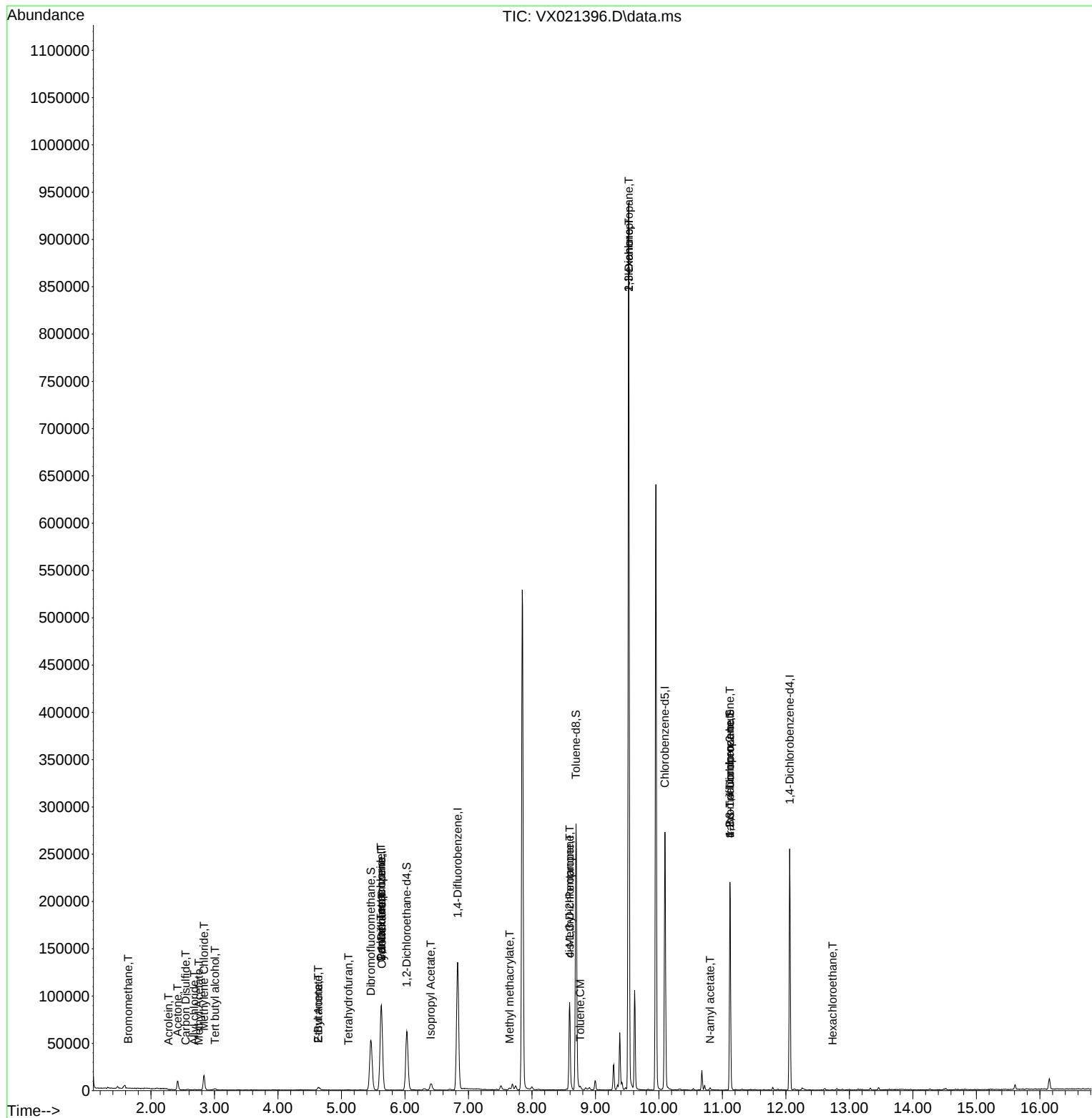
Internal Standards						
1) Pentafluorobenzene	5.629	168	77178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	126721	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	114850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	47466	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	61714	48.75	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.50%
35) Dibromofluoromethane	5.464	113	43723	50.71	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.42%
50) Toluene-d8	8.694	98	158164	50.55	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.10%
62) 4-Bromofluorobenzene	11.118	95	54971	45.24	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.48%
Target Compounds						
					Qvalue	
3) Chloromethane	1.317	50	1222	Below Cal		98
5) Bromomethane	1.640	94	83	0.20 ug/l #		2
11) Tert butyl alcohol	3.005	59	1325	6.23 ug/l #		88
13) Acrolein	2.276	56	99	3.89 ug/l		91
14) Allyl chloride	2.681	41	505	0.31 ug/l #		59
16) Acetone	2.417	43	10503	22.55 ug/l #		82
17) Carbon Disulfide	2.546	76	71	0.57 ug/l #		75
18) Methyl Acetate	2.752	43	611	0.48 ug/l #		76
20) Methylene Chloride	2.834	84	6402	6.68 ug/l #		74
25) 2-Butanone	4.635	43	4024	5.62 ug/l #		85
29) Tetrahydrofuran	5.111	42	273	0.58 ug/l #		27
31) Cyclohexane	5.635	56	2162	1.41 ug/l #		37
36) 1,1-Dichloropropene	5.629	75	7084	5.55 ug/l #		49
37) Ethyl Acetate	4.635	43	4024	2.72 ug/l #		64
38) Carbon Tetrachloride	5.623	117	8587	6.48 ug/l #		15
43) Isopropyl Acetate	6.405	43	9192	3.79 ug/l #		90
48) Methyl methacrylate	7.647	41	2693	2.09 ug/l #		10
51) 4-Methyl-2-Pentanone	8.594	43	34807	24.66 ug/l #		43
52) Toluene	8.759	92	655	0.30 ug/l		80
54) cis-1,3-Dichloropropene	8.594	75	13217	8.41 ug/l #		70
57) 1,3-Dichloropropane	9.524	76	7339	4.74 ug/l #		42
59) 2-Hexanone	9.524	43	114593	108.46 ug/l #		42
74) N-amyl acetate	10.806	43	1473	0.82 ug/l #		43
76) 1,2,3-Trichloropropane	11.118	75	31820	28.90 ug/l #		39
81) trans-1,4-Dichloro-2-b...	11.118	75	31820	78.46 ug/l #		12
90) Hexachloroethane	12.736	117	191	0.41 ug/l #		9

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 16 14:00:21 2021
Response via : Initial Calibration

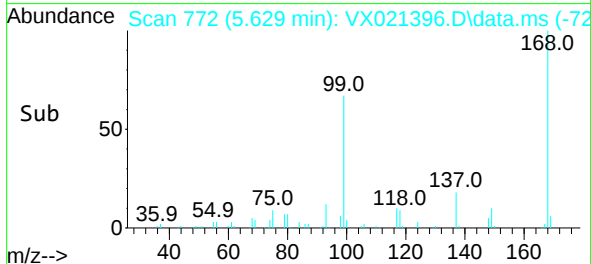
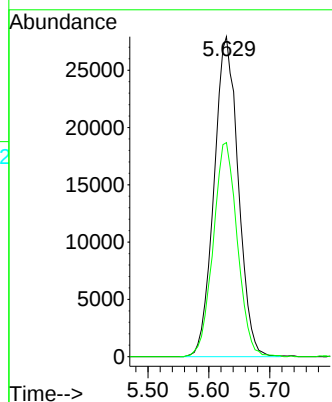
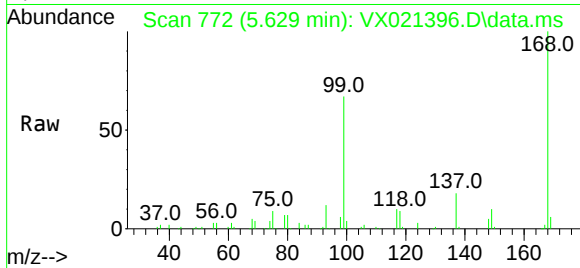




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

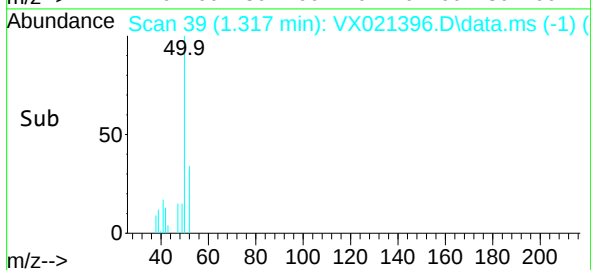
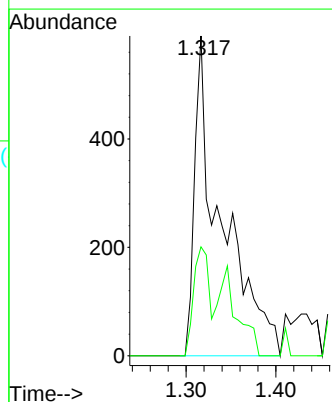
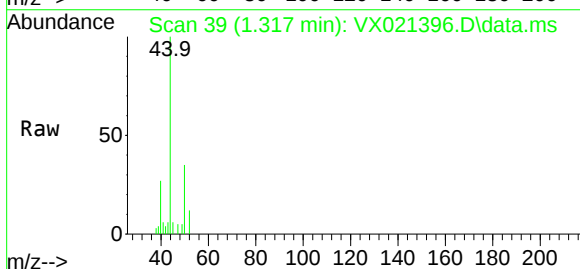
Instrument :
MSVOA_X
ClientSampleId :

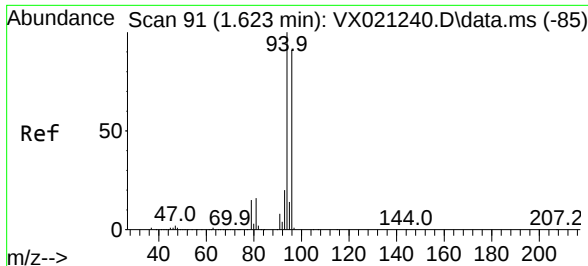
Tgt Ion:168 Resp: 77178
Ion Ratio Lower Upper
168 100
99 66.9 45.8 68.6



#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

Tgt Ion: 50 Resp: 1222
Ion Ratio Lower Upper
50 100
52 34.1 26.4 39.6

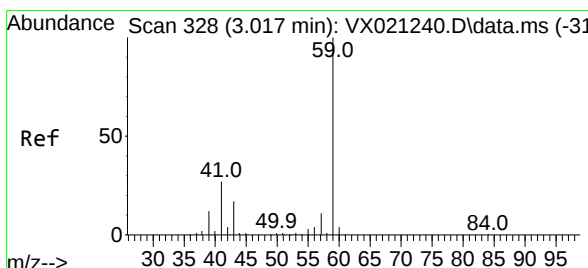
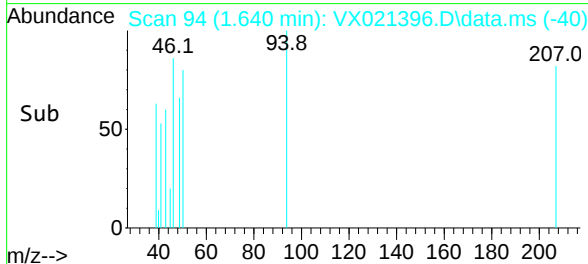
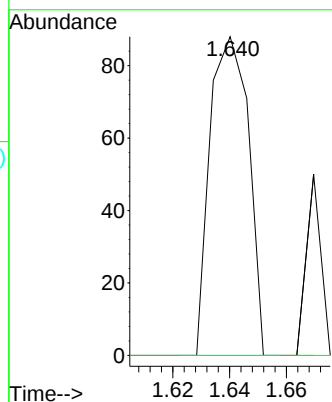
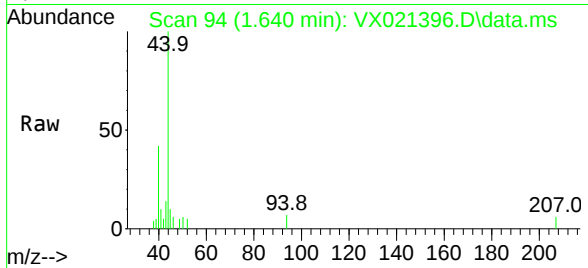




#5
Bromomethane
Concen: 0.20 ug/l
RT: 1.640 min Scan# 94
Delta R.T. 0.017 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

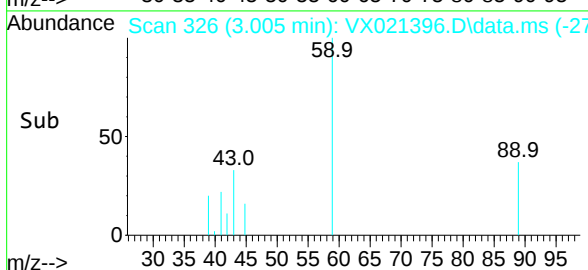
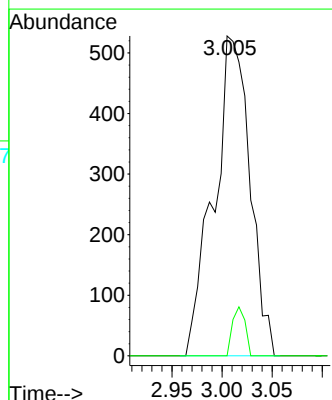
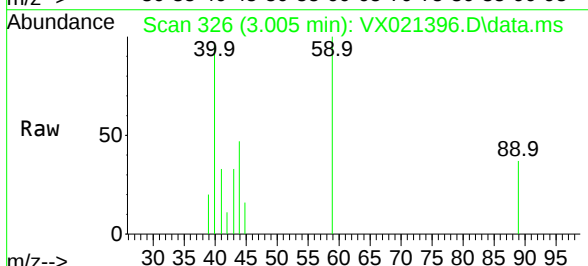
Instrument :
MSVOA_X
ClientSampled :

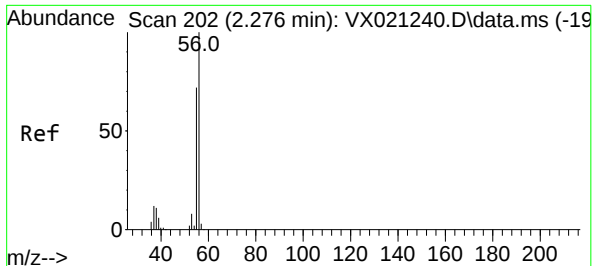
Tgt Ion: 94 Resp: 83
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#11
Tert butyl alcohol
Concen: 6.23 ug/l
RT: 3.005 min Scan# 326
Delta R.T. -0.012 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

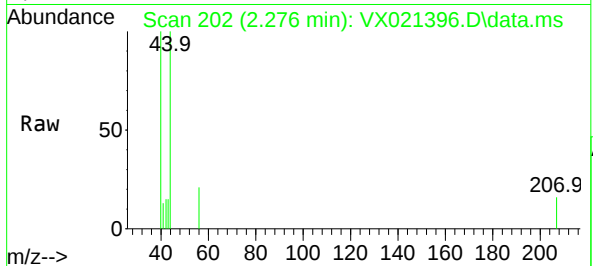
Tgt Ion: 59 Resp: 1325
Ion Ratio Lower Upper
59 100
57 5.4 7.8 11.8#



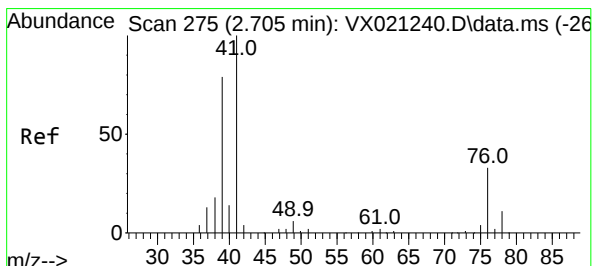
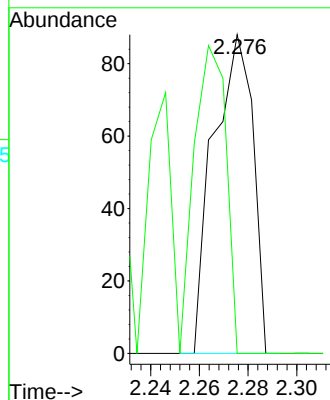
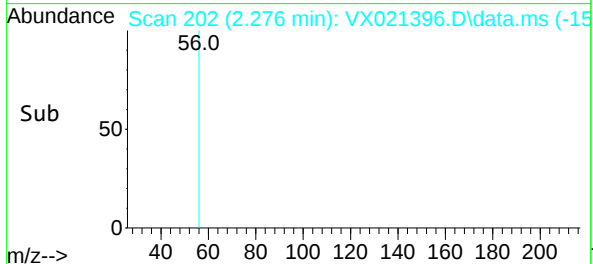


#13
Acrolein
Concen: 3.89 ug/l
RT: 2.276 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

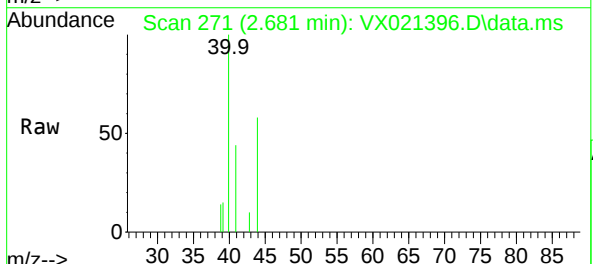
Instrument :
MSVOA_X
ClientSampled :



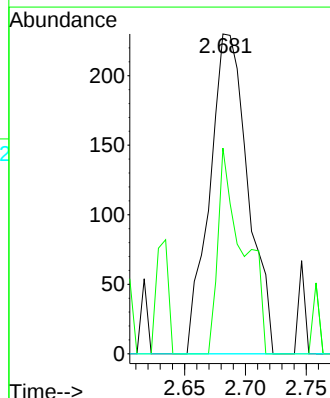
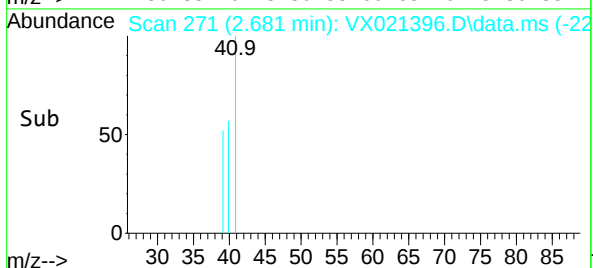
Tgt Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 77.8 56.4 84.6

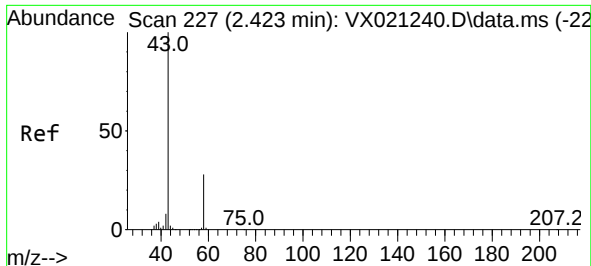


#14
Allyl chloride
Concen: 0.31 ug/l
RT: 2.681 min Scan# 271
Delta R.T. -0.024 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17



Tgt Ion: 41 Resp: 505
Ion Ratio Lower Upper
41 100
39 42.4 51.6 77.4#
76 0.0 30.5 45.7#

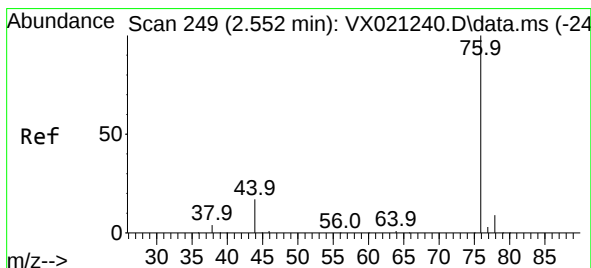
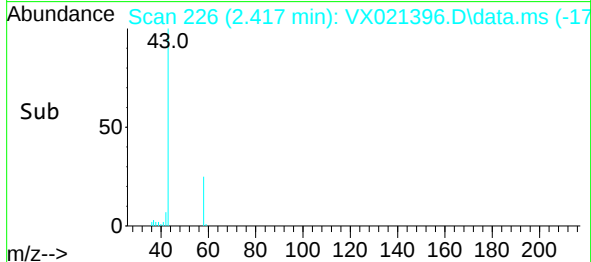
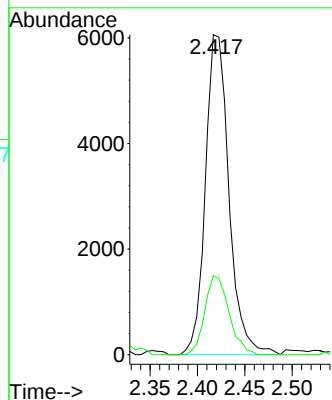
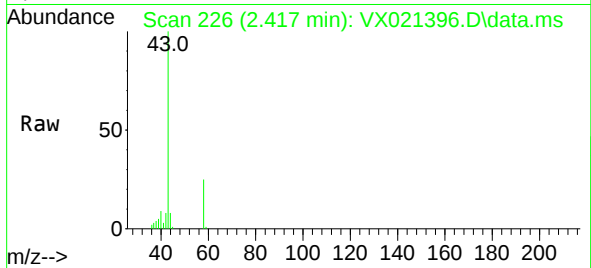




#16
Acetone
Concen: 22.55 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

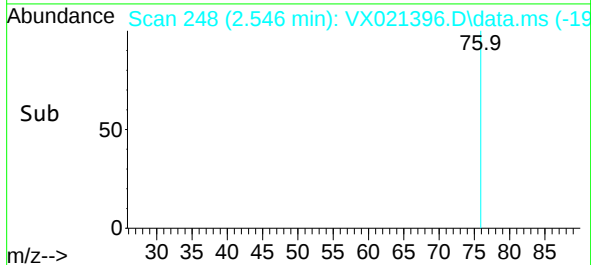
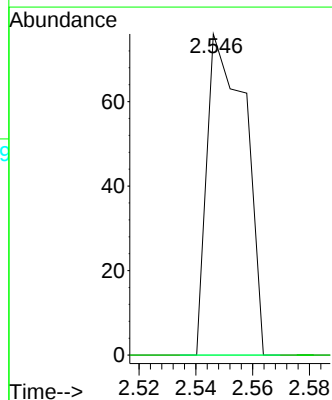
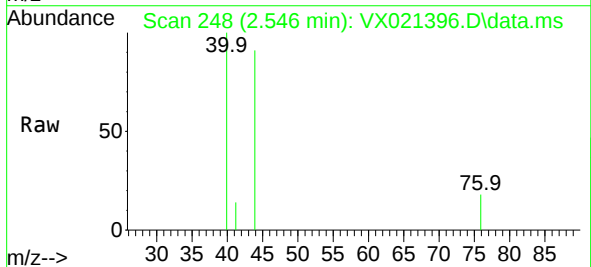
Instrument :
MSVOA_X
ClientSampled :

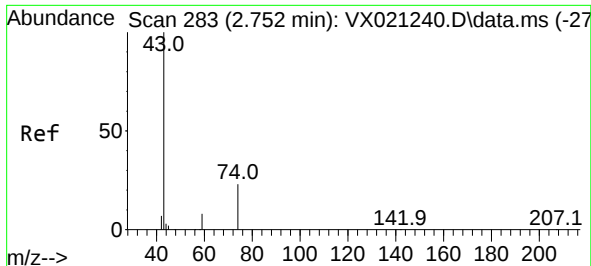
Tgt Ion: 43 Resp: 10503
Ion Ratio Lower Upper
43 100
58 24.6 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.57 ug/l
RT: 2.546 min Scan# 248
Delta R.T. -0.006 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

Tgt Ion: 76 Resp: 71
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

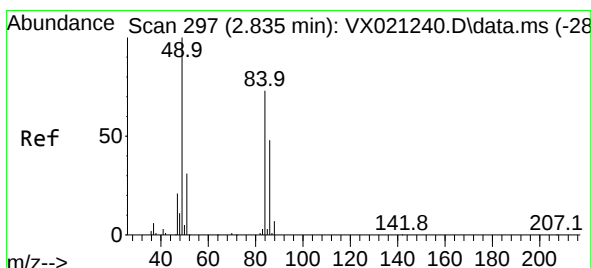
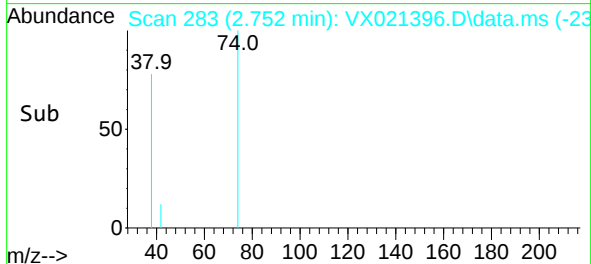
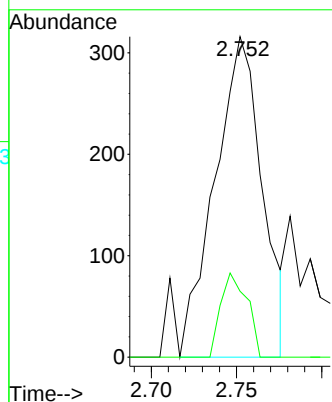
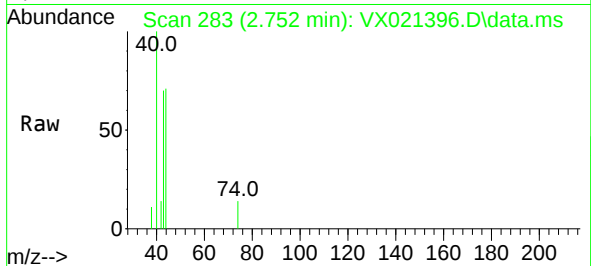




#18
Methyl Acetate
Concen: 0.48 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

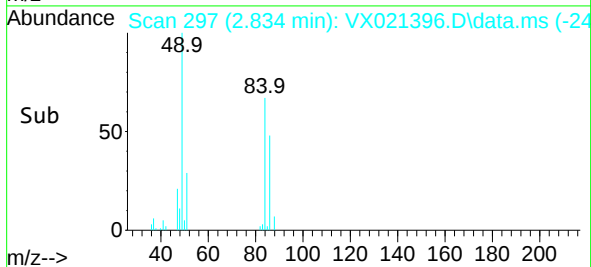
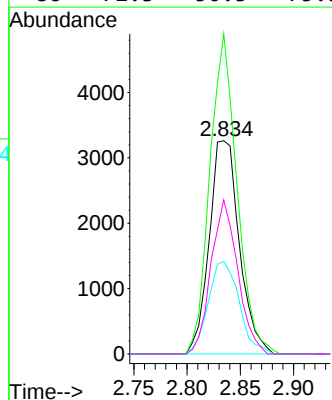
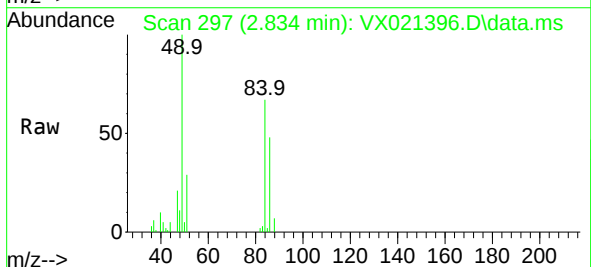
Instrument :
MSVOA_X
ClientSampled :

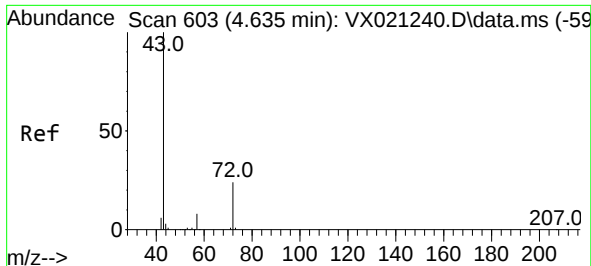
Tgt Ion: 43 Resp: 611
Ion Ratio Lower Upper
43 100
74 14.7 21.9 32.9#



#20
Methylene Chloride
Concen: 6.68 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.001 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

Tgt Ion: 84 Resp: 6402
Ion Ratio Lower Upper
84 100
49 150.0 88.6 132.8#
51 43.4 27.0 40.6#
86 72.3 50.3 75.5

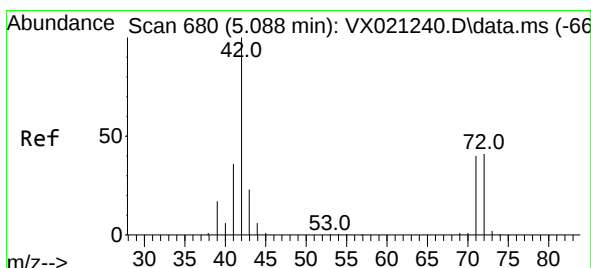
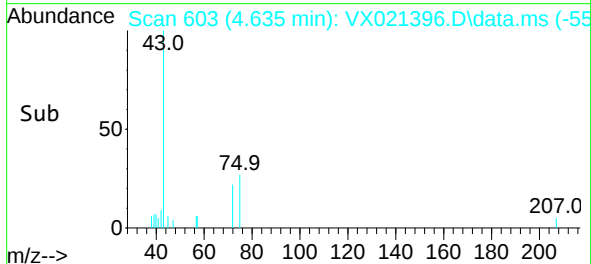
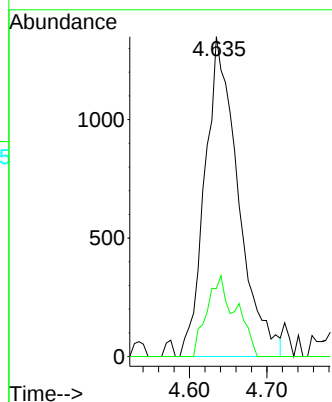
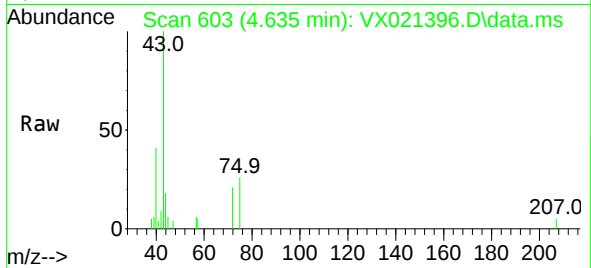




#25
2-Butanone
Concen: 5.62 ug/l
RT: 4.635 min Scan# 603
Delta R.T. -0.000 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

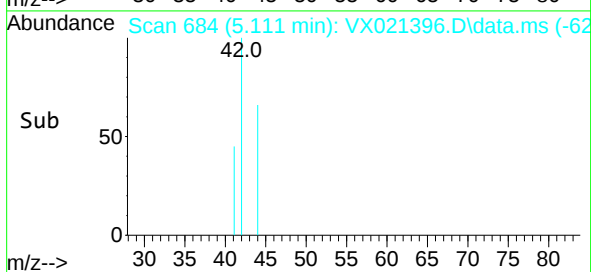
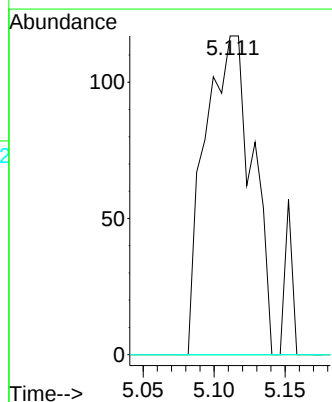
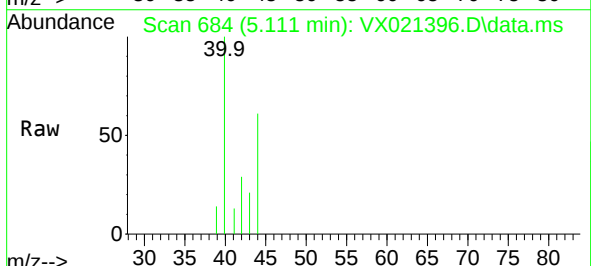
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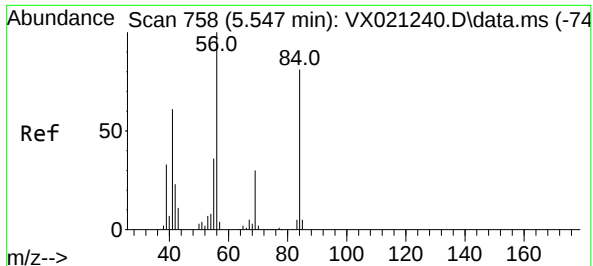
Tgt Ion: 43 Resp: 4024
Ion Ratio Lower Upper
43 100
72 21.3 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.58 ug/l
RT: 5.111 min Scan# 684
Delta R.T. 0.023 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

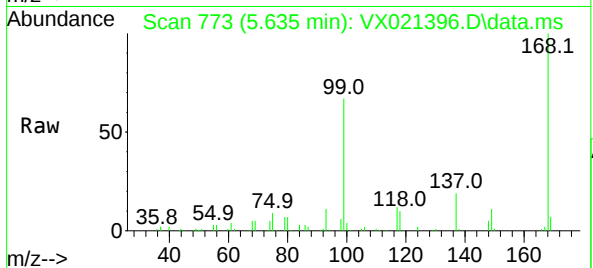
Tgt Ion: 42 Resp: 273
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 0.0 38.4 57.6#



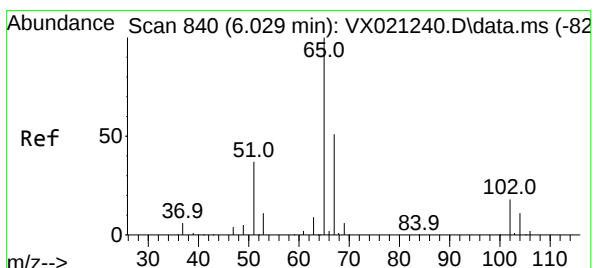
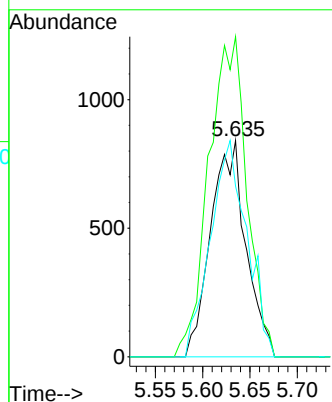
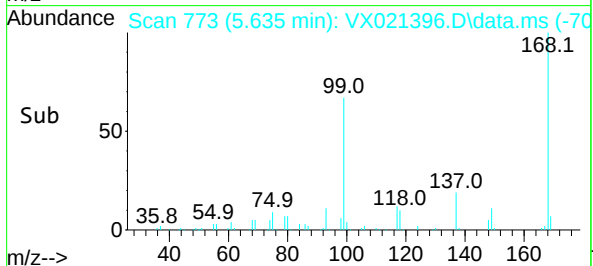


#31
Cyclohexane
Concen: 1.41 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.088 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

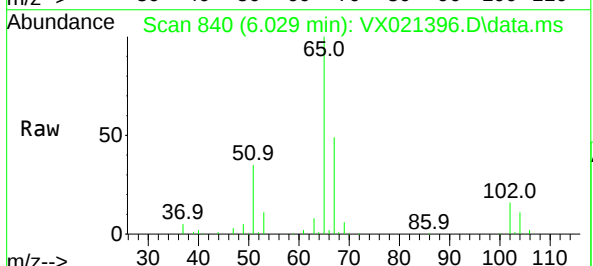
Instrument :
MSVOA_X
ClientSampled :



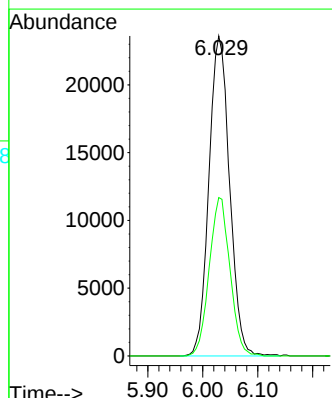
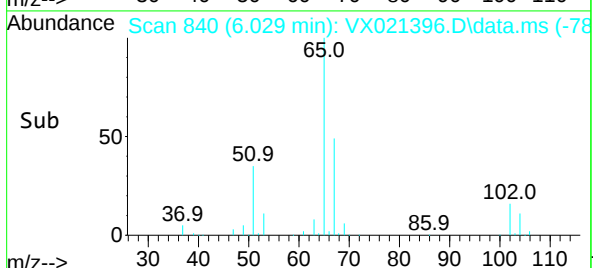
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Ion Ratio Lower Upper
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69 148.0 25.3 37.9#
84 79.0 71.4 107.0

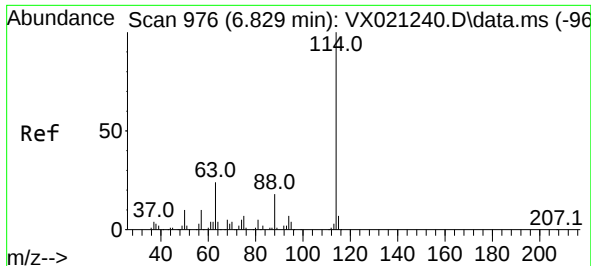


#33
1,2-Dichloroethane-d4
Concen: 48.75 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17



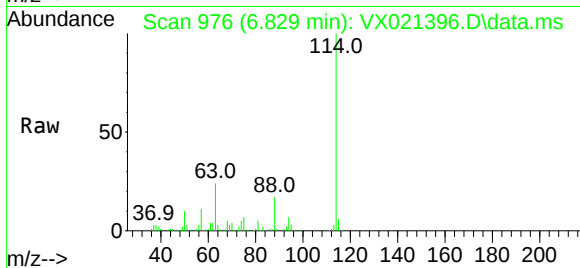
Tgt Ion: 65 Resp: 61714
Ion Ratio Lower Upper
65 100
67 49.6 0.0 105.4



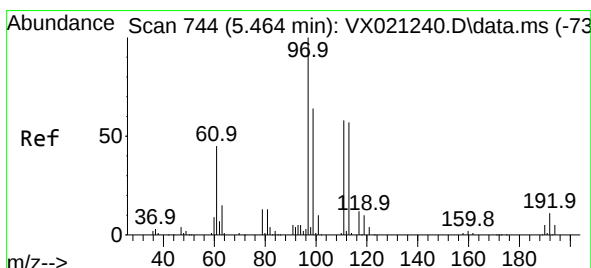
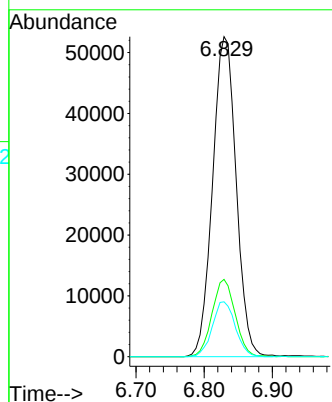
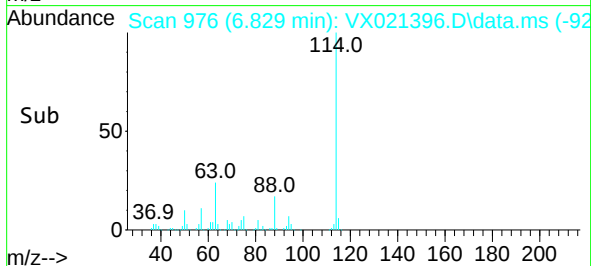


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

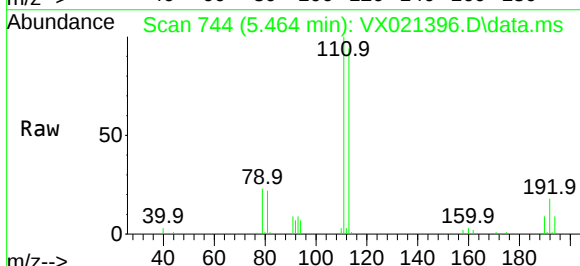
Instrument :
MSVOA_X
ClientSampled :



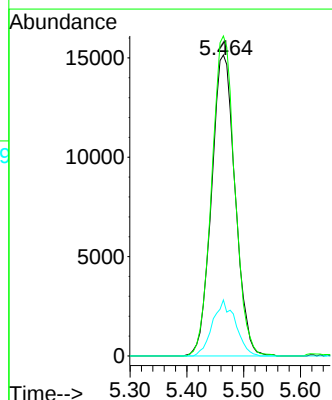
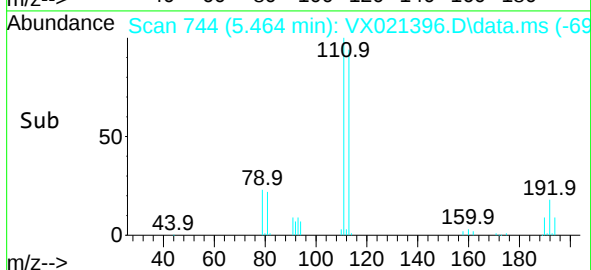
Tgt Ion:114 Resp: 126721
Ion Ratio Lower Upper
114 100
63 24.1 0.0 40.8
88 17.1 0.0 32.8

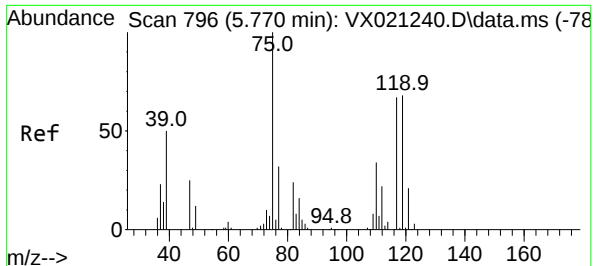


#35
Dibromofluoromethane
Concen: 50.71 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17



Tgt Ion:113 Resp: 43723
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 18.1 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.55 ug/l

RT: 5.629 min Scan# 772

Delta R.T. -0.141 min

Lab File: VX021396.D

Acq: 23 Mar 2021 19:17

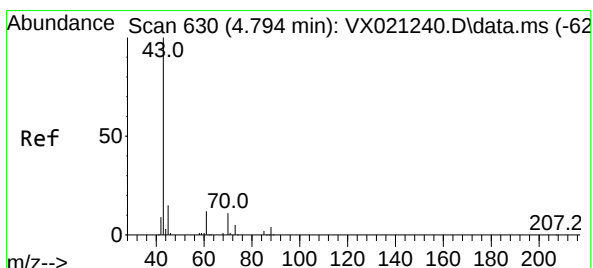
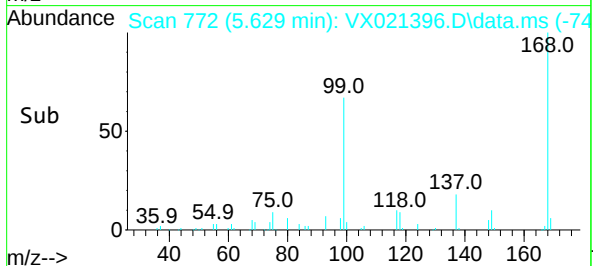
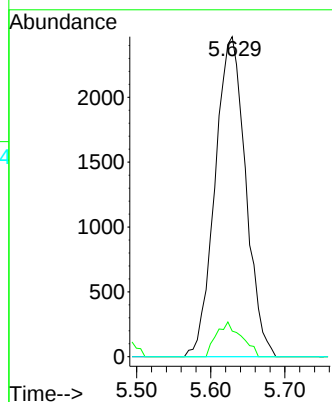
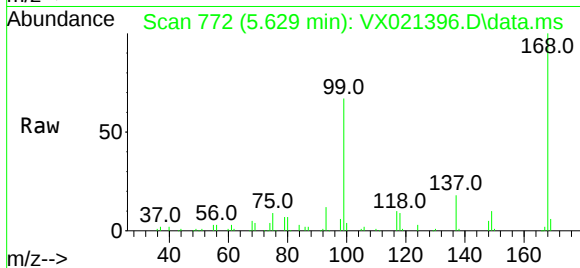
Tgt Ion: 75 Resp: 7084

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.4#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 2.72 ug/l

RT: 4.635 min Scan# 603

Delta R.T. -0.159 min

Lab File: VX021396.D

Acq: 23 Mar 2021 19:17

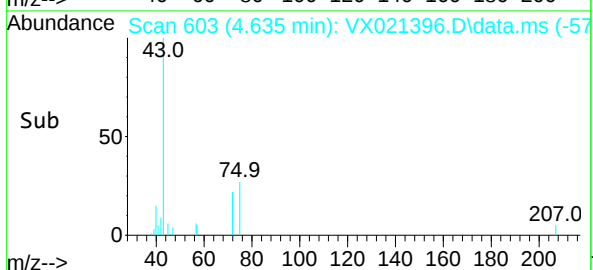
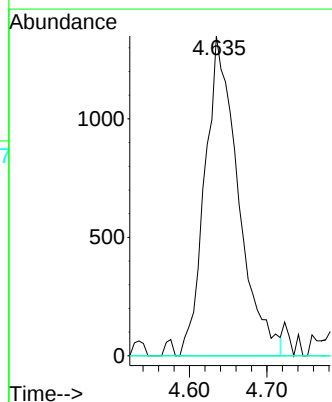
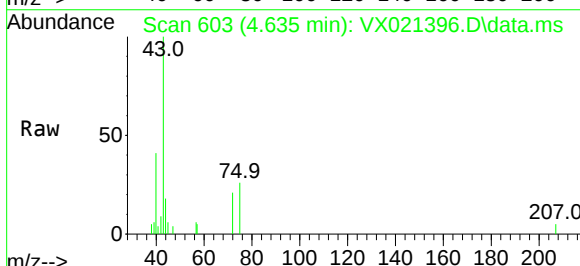
Tgt Ion: 43 Resp: 4024

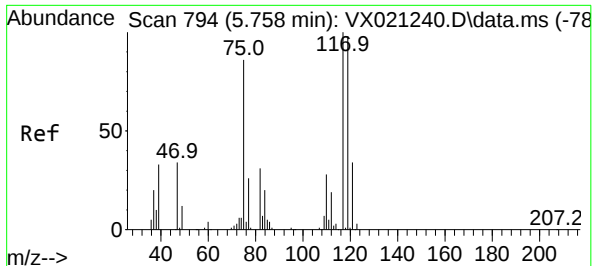
Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

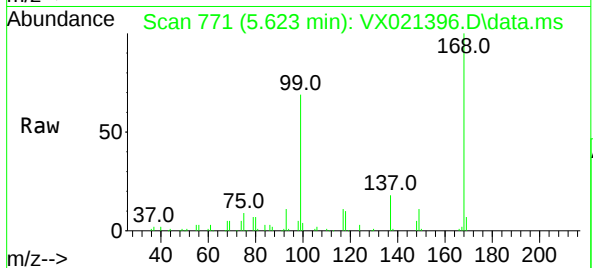
70 0.0 10.5 15.7#



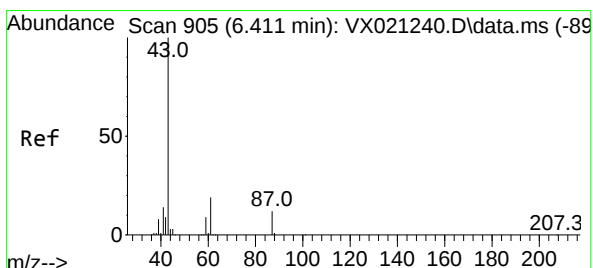
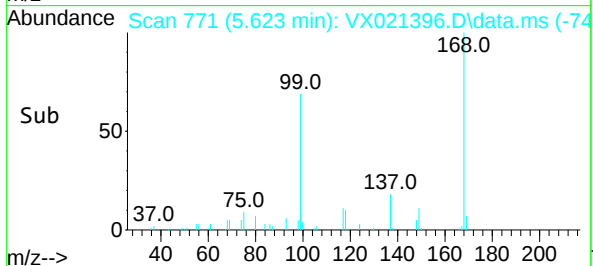
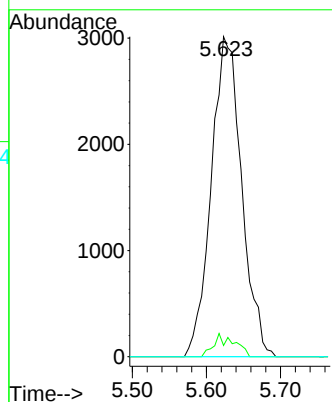


#38
Carbon Tetrachloride
Concen: 6.48 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.135 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

Instrument :
MSVOA_X
ClientSampled :

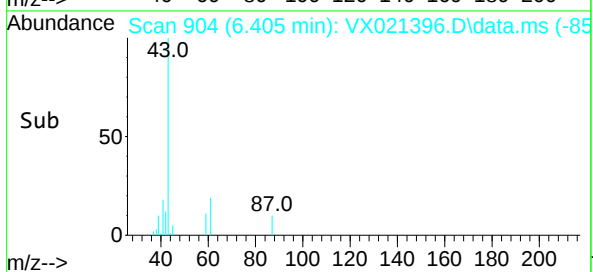
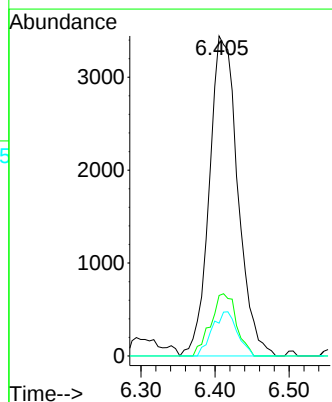
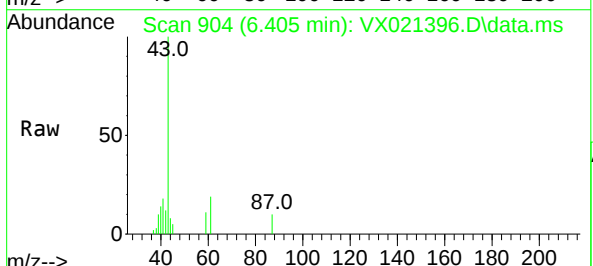


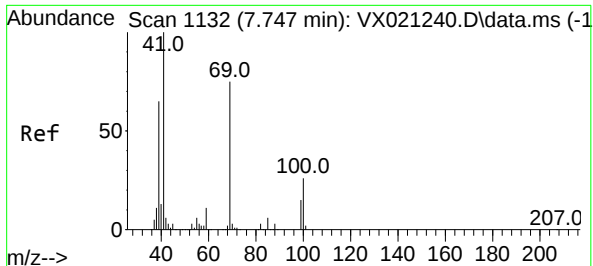
Tgt Ion: 117 Resp: 8587
Ion Ratio Lower Upper
117 100
119 3.5 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 3.79 ug/l
RT: 6.405 min Scan# 904
Delta R.T. -0.006 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

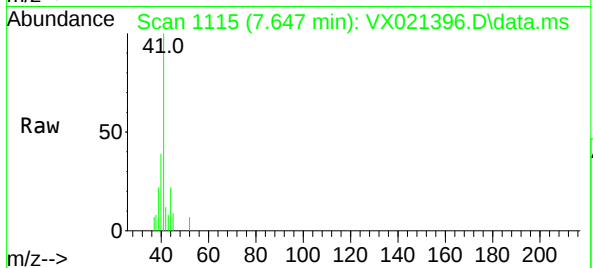
Tgt Ion: 43 Resp: 9192
Ion Ratio Lower Upper
43 100
61 17.6 18.2 27.4#
87 12.2 12.5 18.7#



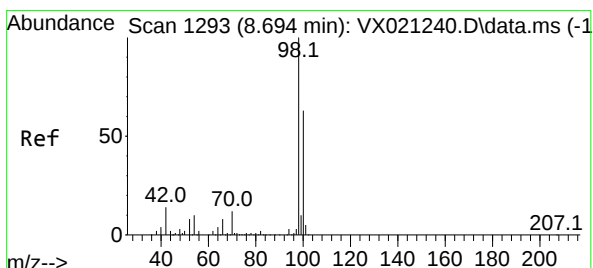
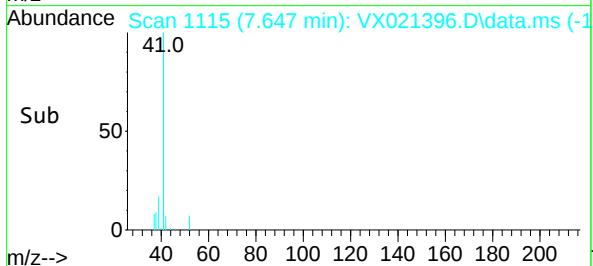
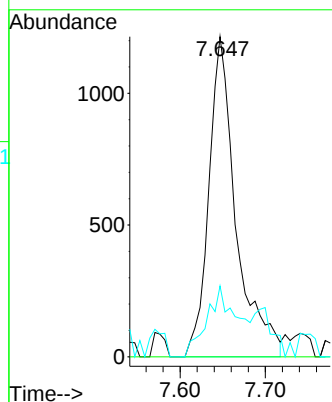


#48
Methyl methacrylate
Concen: 2.09 ug/l
RT: 7.647 min Scan# 1115
Delta R.T. -0.100 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

Instrument :
MSVOA_X
ClientSampled :

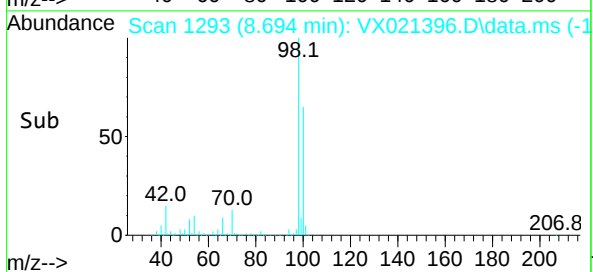
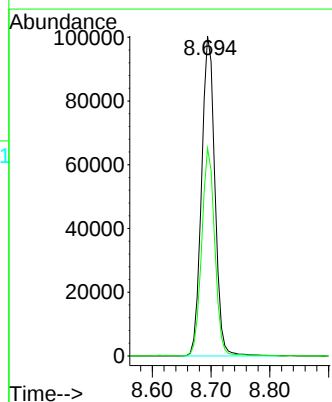
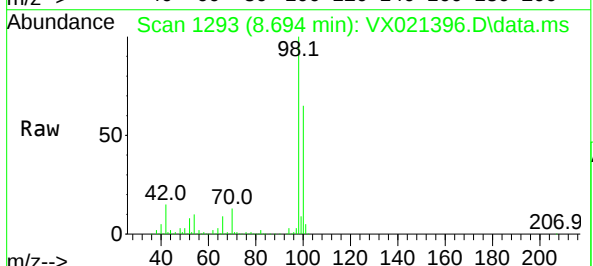


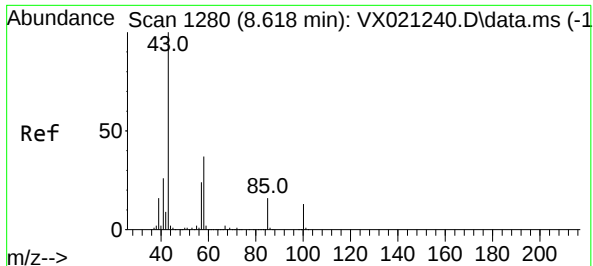
Tgt Ion:	41	Resp:	2693
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#



#50
Toluene-d8
Concen: 50.55 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

Tgt Ion:	98	Resp:	158164
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.9	77.9

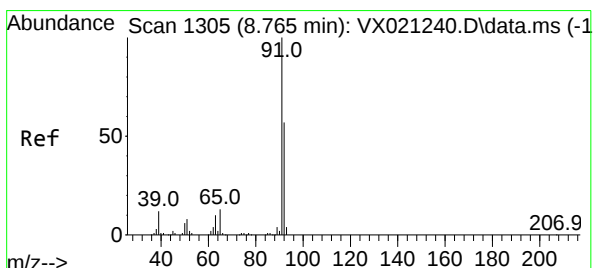
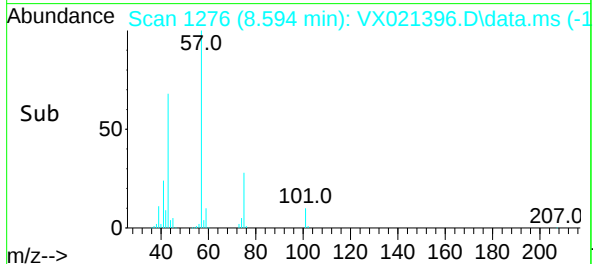
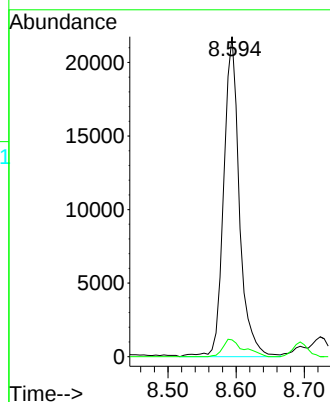
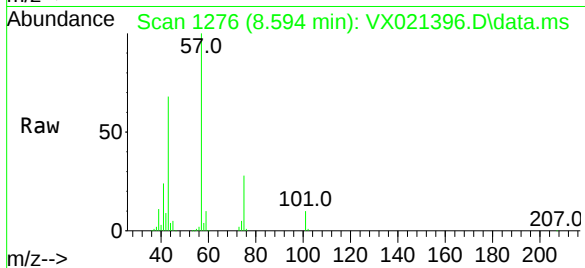




#51
4-Methyl-2-Pentanone
Concen: 24.66 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. -0.024 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

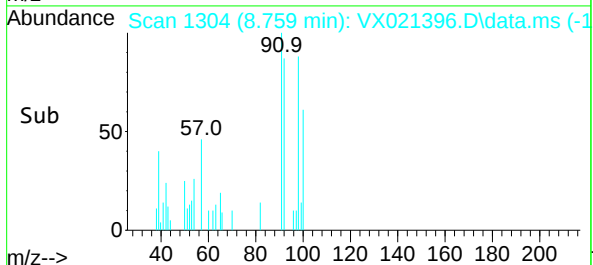
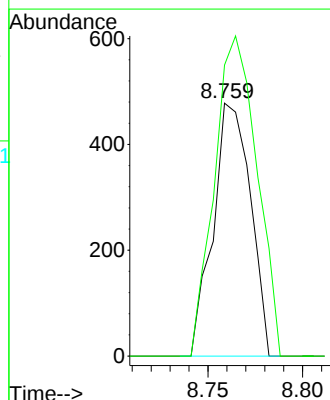
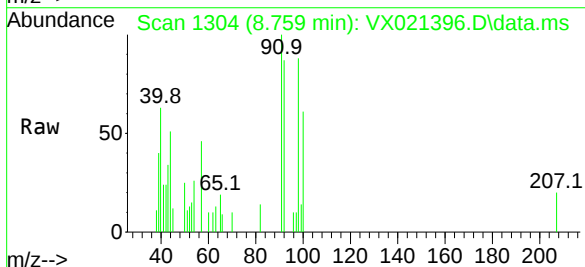
Instrument :
MSVOA_X
ClientSampled :

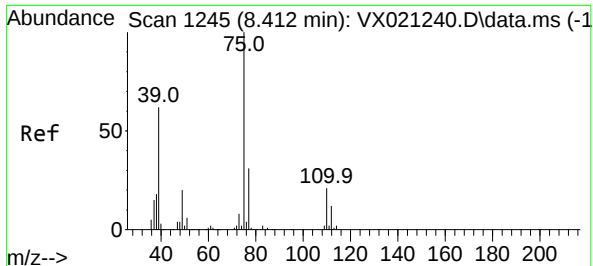
Tgt Ion: 43 Resp: 34807
Ion Ratio Lower Upper
43 100
58 7.2 35.4 53.0#



#52
Toluene
Concen: 0.30 ug/l
RT: 8.759 min Scan# 1304
Delta R.T. -0.006 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

Tgt Ion: 92 Resp: 655
Ion Ratio Lower Upper
92 100
91 144.0 137.1 205.7

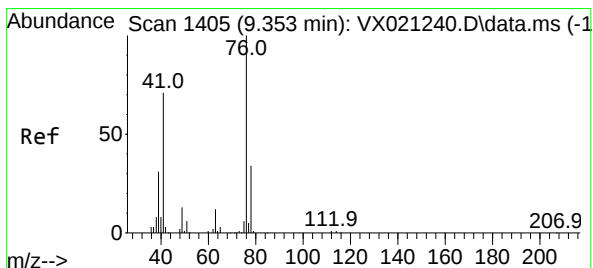
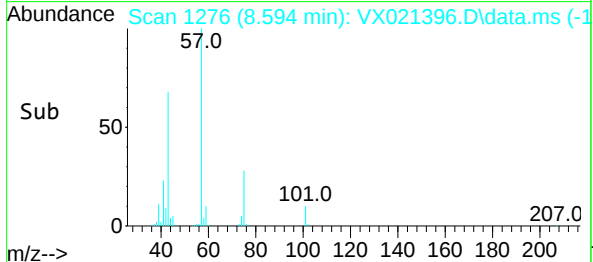
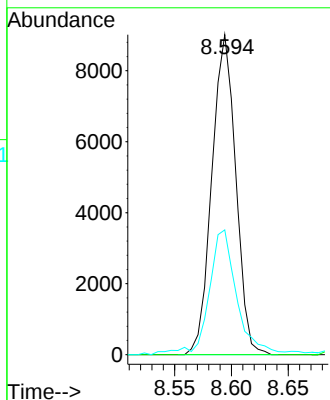
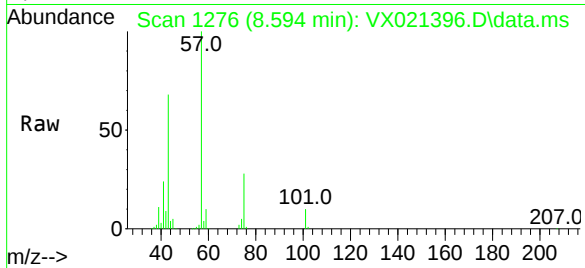




#54
cis-1,3-Dichloropropene
Concen: 8.41 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. 0.182 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

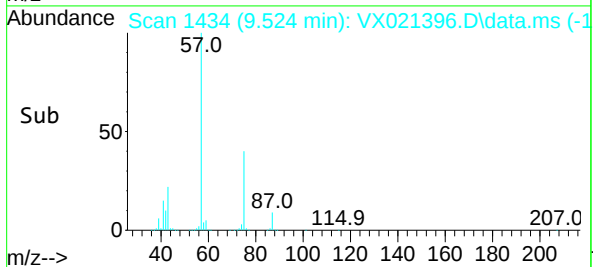
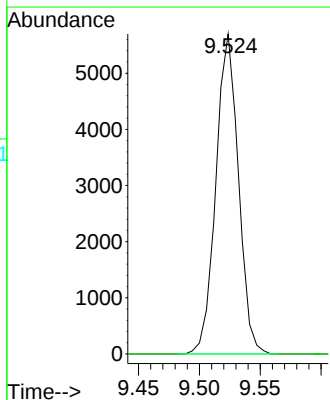
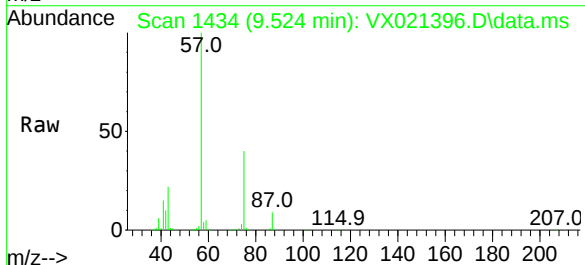
Instrument :
MSVOA_X
ClientSampled :

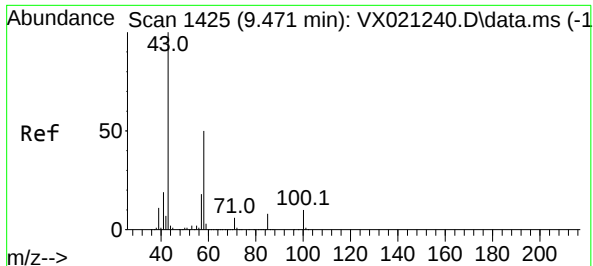
Tgt Ion: 75 Resp: 13217
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 38.1 35.1 52.7



#57
1,3-Dichloropropane
Concen: 4.74 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.171 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

Tgt Ion: 76 Resp: 7339
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

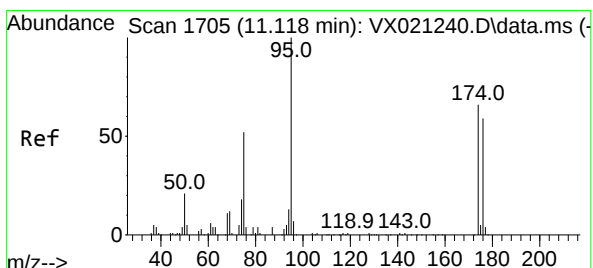
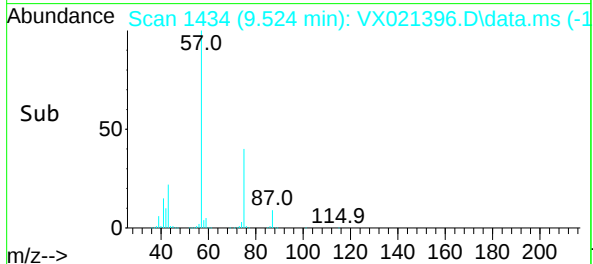
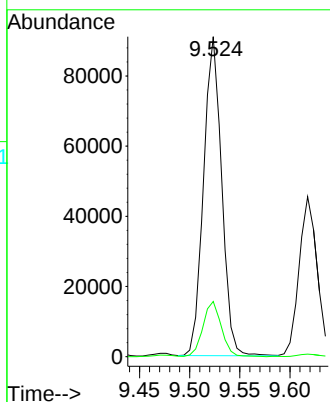
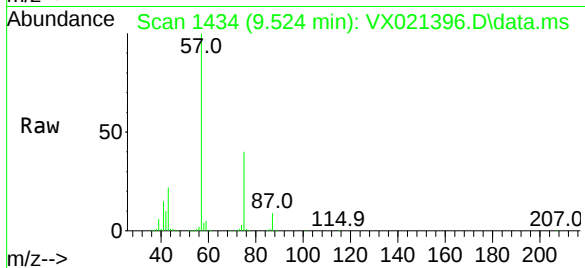




#59
2-Hexanone
Concen: 108.46 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.053 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

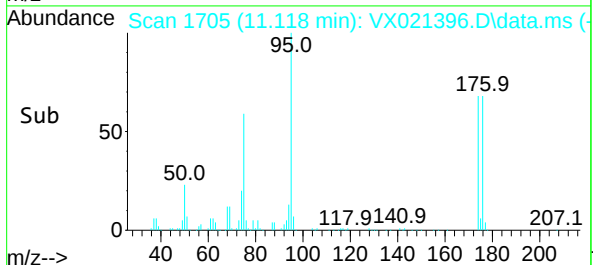
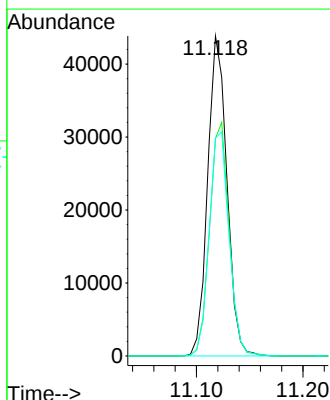
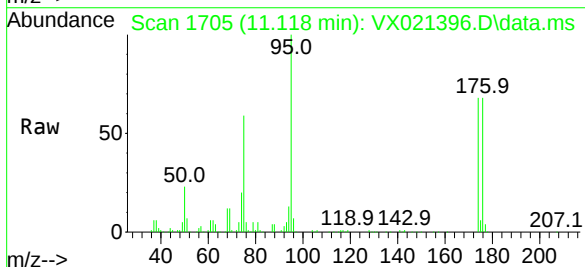
Instrument :
MSVOA_X
ClientSampled :

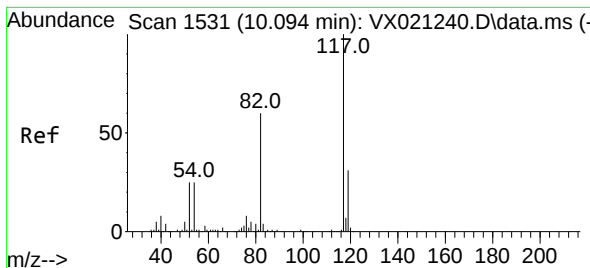
Tgt Ion: 43 Resp: 114593
Ion Ratio Lower Upper
43 100
58 17.7 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.24 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

Tgt Ion: 95 Resp: 54971
Ion Ratio Lower Upper
95 100
174 73.8 0.0 154.6
176 72.2 0.0 155.8

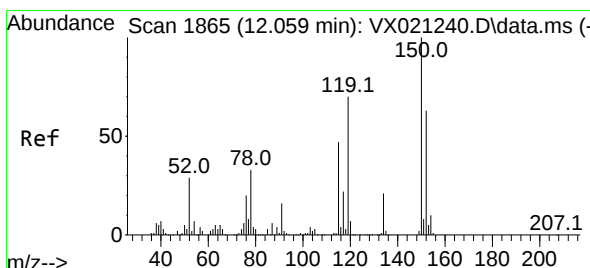
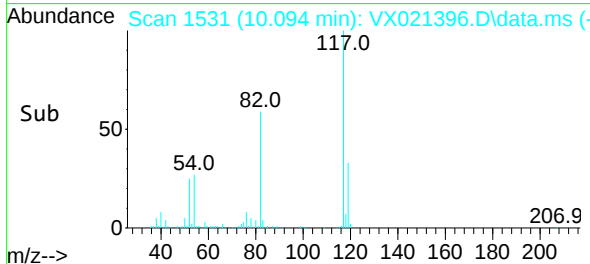
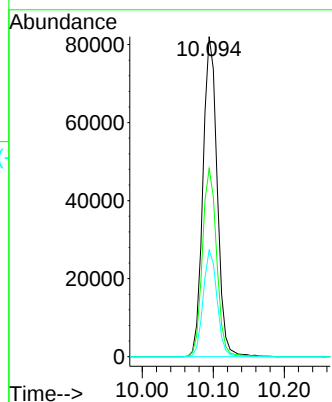
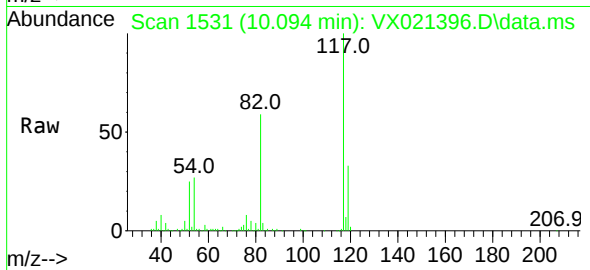




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

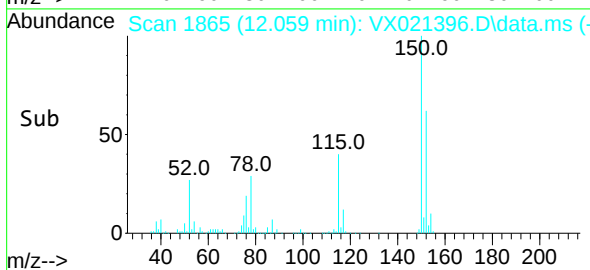
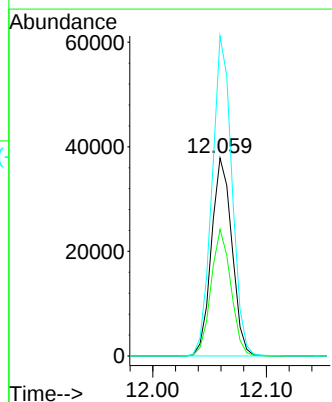
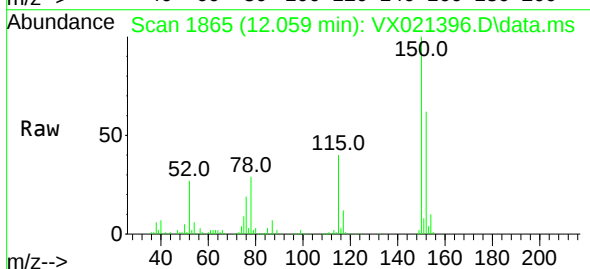
Instrument :
MSVOA_X
ClientSampled :

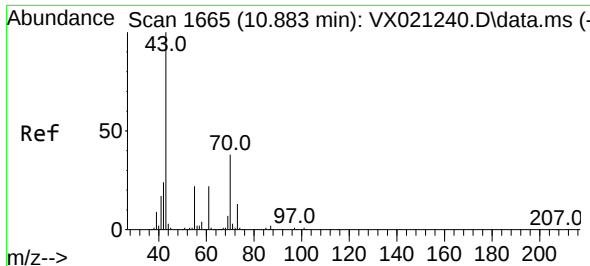
Tgt Ion:117 Resp: 114850
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 33.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

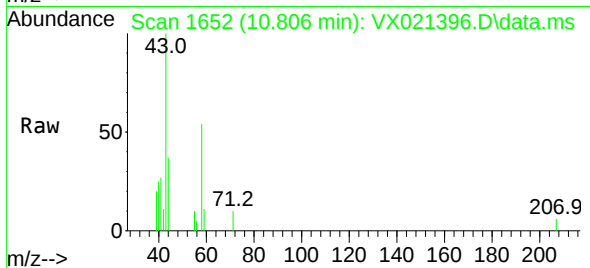
Tgt Ion:152 Resp: 47466
Ion Ratio Lower Upper
152 100
115 61.9 41.1 123.3
150 157.0 0.0 349.0



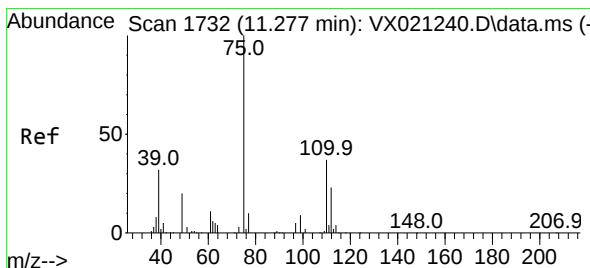
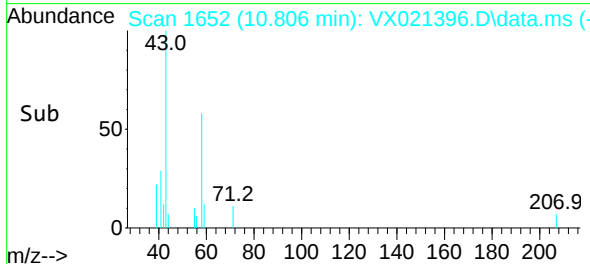
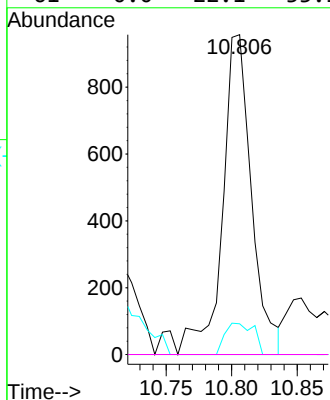


#74
N-amy1 acetate
Concen: 0.82 ug/l
RT: 10.806 min Scan# 1652
Delta R.T. -0.077 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

Instrument :
MSVOA_X
ClientSampled :

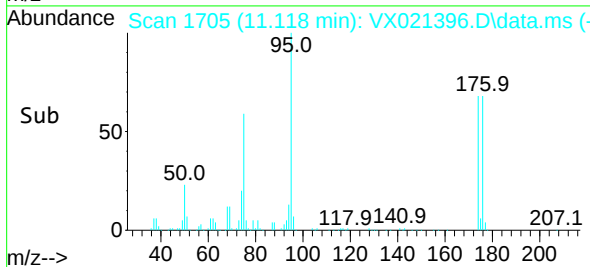
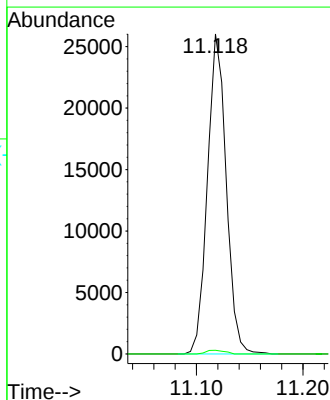
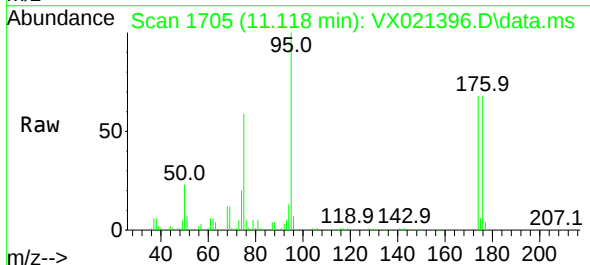


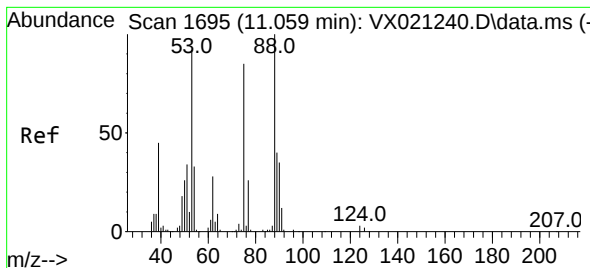
Tgt Ion:	43	Resp:	1473
Ion Ratio	100	Lower	Upper
70	0.0	39.0	58.6#
55	9.7	21.5	32.3#
61	0.0	22.1	33.1#



#76
1,2,3-Trichloropropane
Concen: 28.90 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

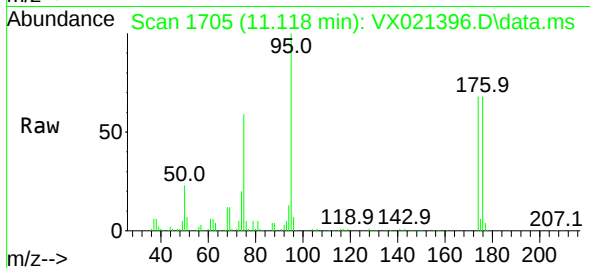
Tgt Ion:	75	Resp:	31820
Ion Ratio	100	Lower	Upper
77	1.2	19.1	57.5#



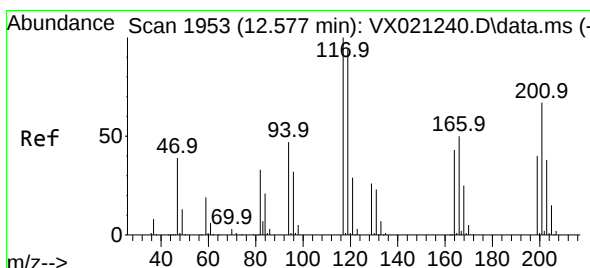
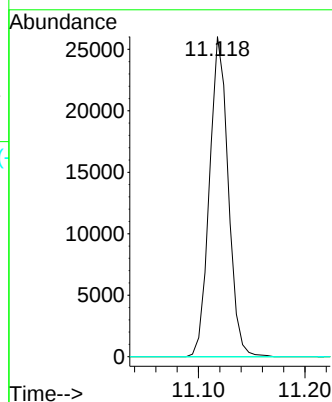
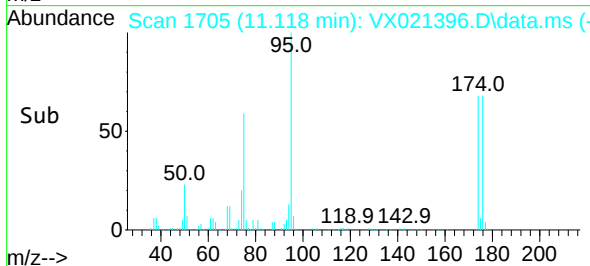


#81
trans-1,4-Dichloro-2-butene
Concen: 78.46 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17

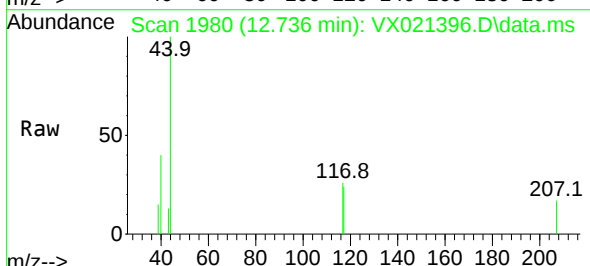
Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 75 Resp: 31820
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 0.41 ug/l
RT: 12.736 min Scan# 1980
Delta R.T. 0.159 min
Lab File: VX021396.D
Acq: 23 Mar 2021 19:17



Tgt Ion: 117 Resp: 191
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#

