

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060321\
 Data File : VX022390.D
 Acq On : 04 Jun 2021 01:01
 Operator : JC/MD
 Sample : PB36780ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB36780ZHE#05

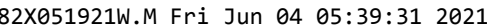
Quant Time: Jun 04 05:39:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	60744	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	129976	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	117653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	45687	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	53013	56.58	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	113.16%		
35) Dibromofluoromethane	5.397	113	39385	47.78	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.56%		
50) Toluene-d8	8.653	98	163888	51.62	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.24%		
62) 4-Bromofluorobenzene	11.085	95	55824	47.57	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.14%		
Target Compounds						Qvalue
5) Bromomethane	1.624	94	198	0.40	ug/l	# 45
6) Chloroethane	1.672	64	120	0.24	ug/l	# 43
11) Tert butyl alcohol	2.959	59	3151	14.70	ug/l	# 73
13) Acrolein	2.233	56	51	0.36	ug/l	# 1
16) Acetone	2.386	43	38108	93.40	ug/l	92
18) Methyl Acetate	2.715	43	1611	1.48	ug/l	# 79
20) Methylene Chloride	2.794	84	8279	9.14	ug/l	96
25) 2-Butanone	4.568	43	5360	8.12	ug/l	90
29) Tetrahydrofuran	5.019	42	117	0.30	ug/l	# 27
31) Cyclohexane	5.562	56	1710	1.45	ug/l	# 36
36) 1,1-Dichloropropene	5.556	75	5772	4.80	ug/l	# 47
38) Carbon Tetrachloride	5.562	117	7100	6.04	ug/l	# 14
43) Isopropyl Acetate	6.354	43	13199	5.48	ug/l	95
48) Methyl methacrylate	7.598	41	3429	3.09	ug/l	# 10
49) 1,4-Dioxane	7.805	88	85	3.93	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	45341	31.41	ug/l	# 48
54) cis-1,3-Dichloropropene	8.555	75	20488	12.89	ug/l	# 62
57) 1,3-Dichloropropane	9.488	76	11531	7.10	ug/l	# 42
59) 2-Hexanone	9.488	43	153860	141.72	ug/l	# 44
74) N-amyl acetate	10.823	43	409	0.22	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	29400	26.08	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	29400	61.80	ug/l	# 12

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

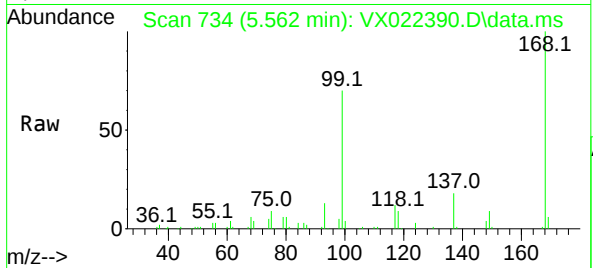
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
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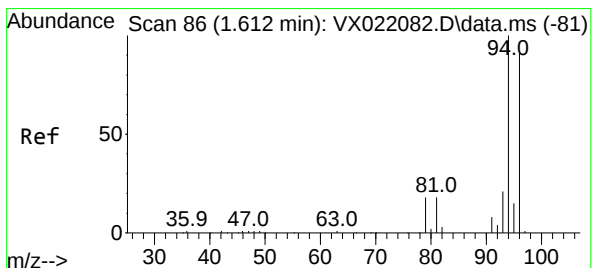
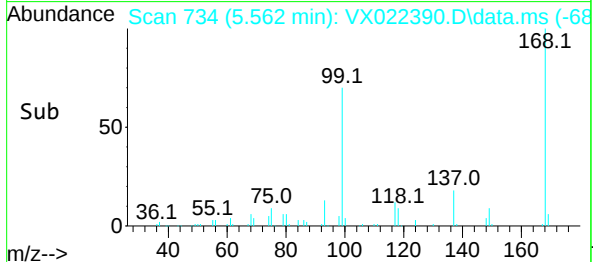
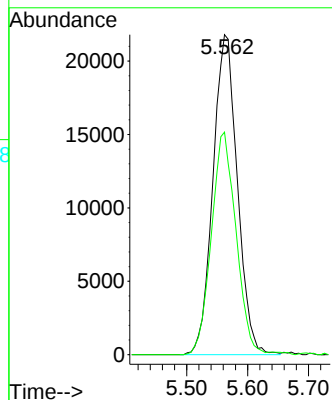


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#05

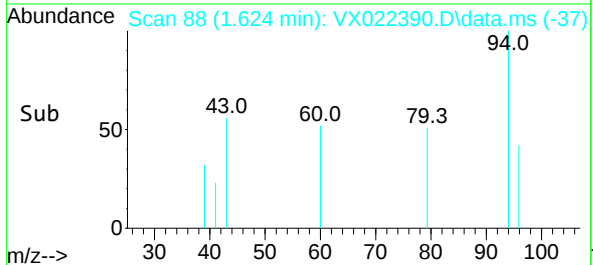
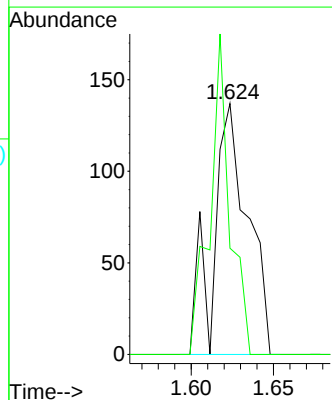
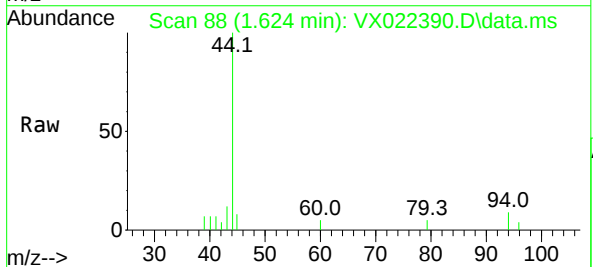


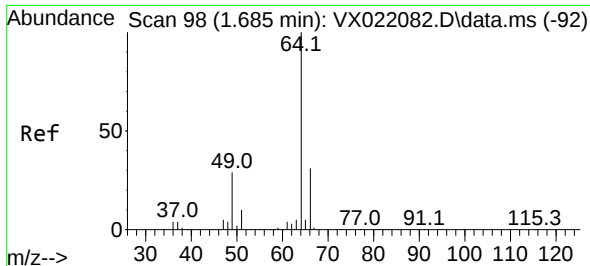
Tgt Ion:168 Resp: 60744
Ion Ratio Lower Upper
168 100
99 69.5 45.8 68.6#



#5
Bromomethane
Concen: 0.40 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.012 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

Tgt Ion: 94 Resp: 198
Ion Ratio Lower Upper
94 100
96 42.3 76.4 114.6#

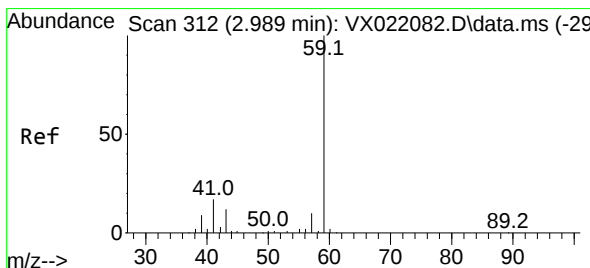
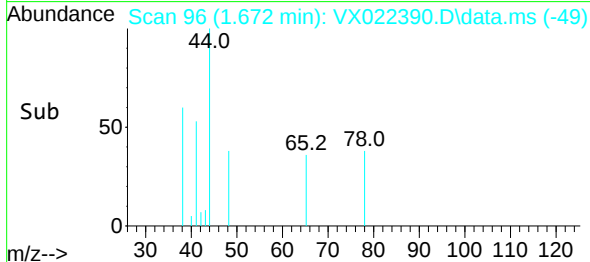
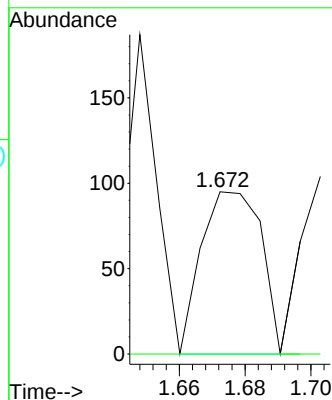
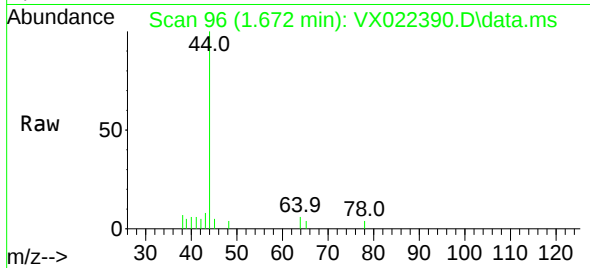




#6
Chloroethane
Concen: 0.24 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.013 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

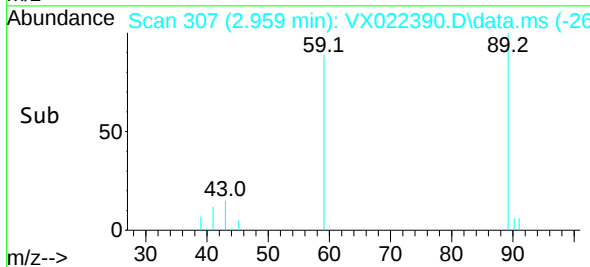
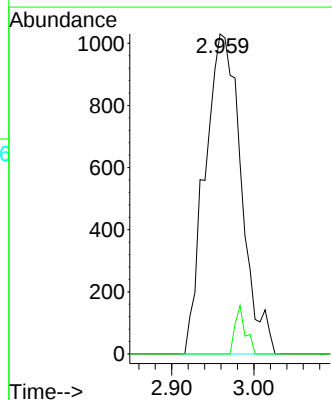
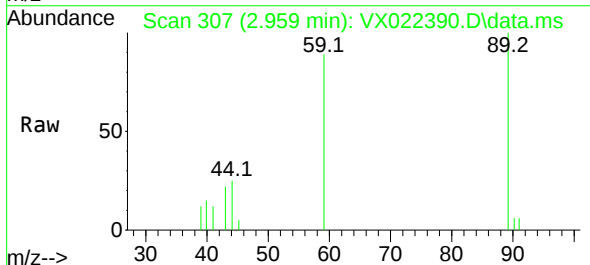
Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#05

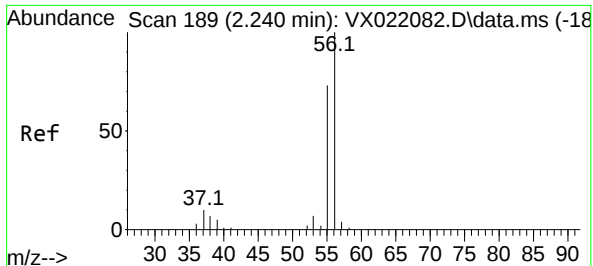
Tgt Ion: 64 Resp: 120
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 14.70 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

Tgt Ion: 59 Resp: 3151
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

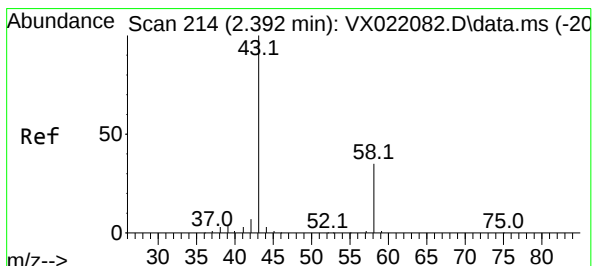
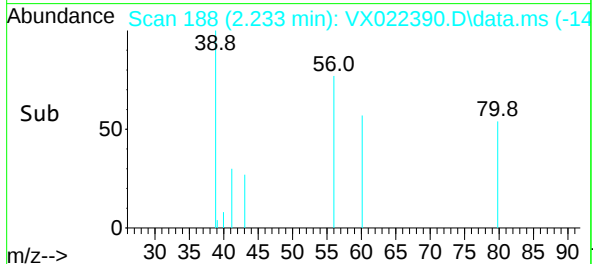
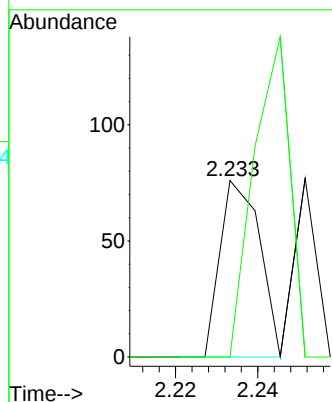
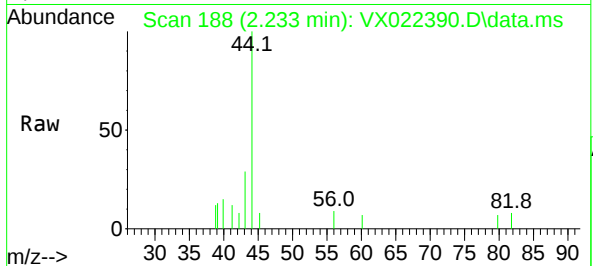




#13
Acrolein
Concen: 0.36 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.007 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

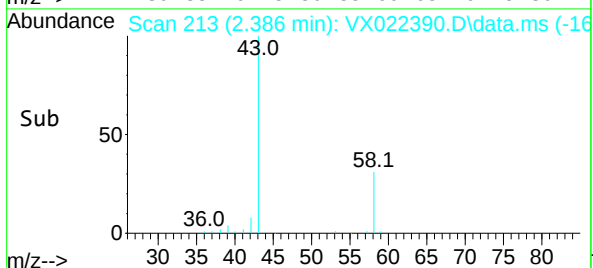
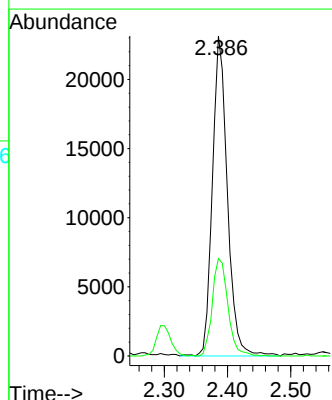
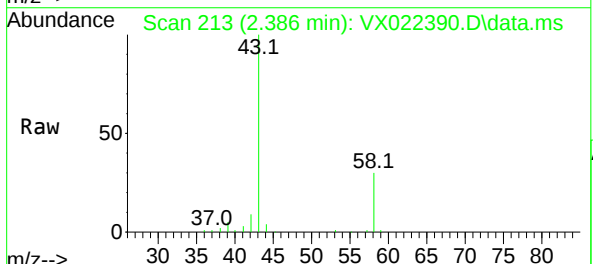
Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#05

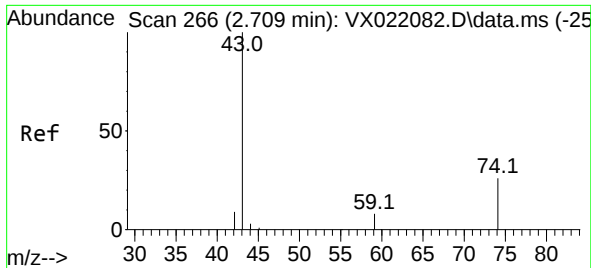
Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 164.7 56.4 84.6#



#16
Acetone
Concen: 93.40 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

Tgt Ion: 43 Resp: 38108
Ion Ratio Lower Upper
43 100
58 30.5 27.8 41.8

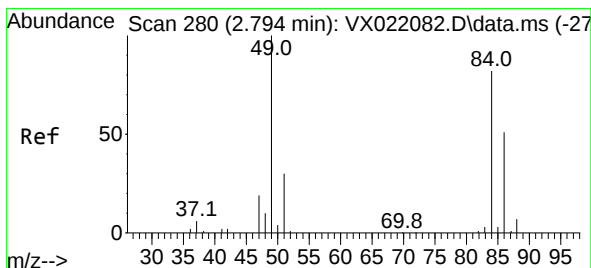
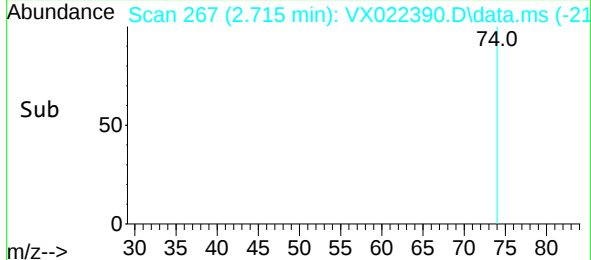
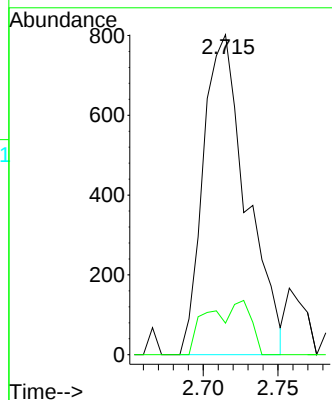
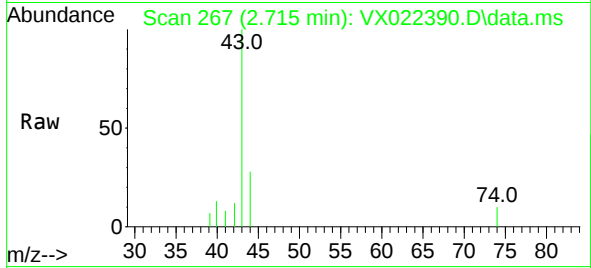




#18
Methyl Acetate
Concen: 1.48 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

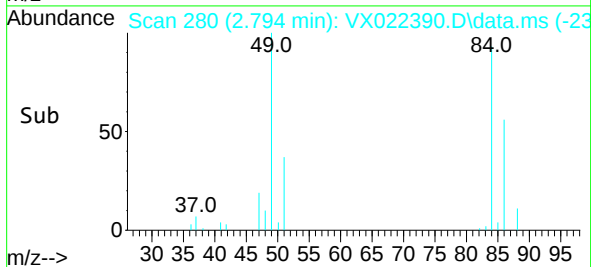
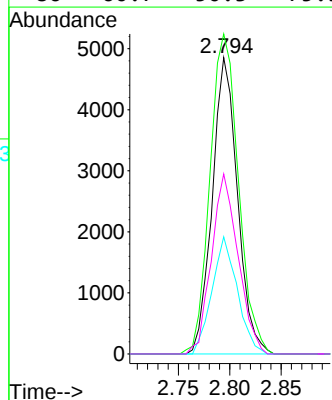
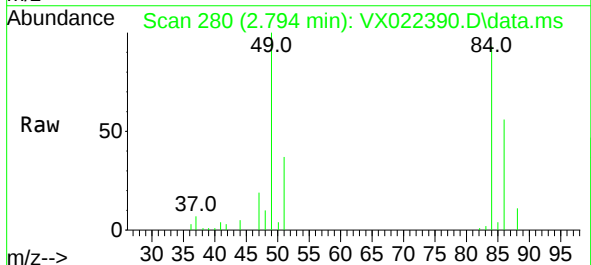
Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#05

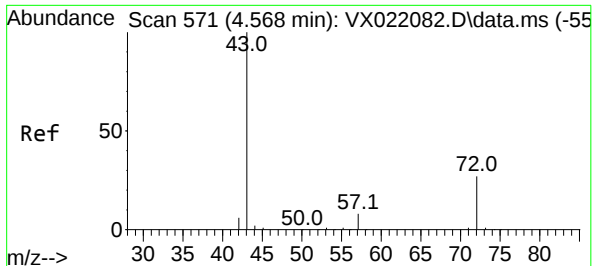
Tgt Ion: 43 Resp: 1611
Ion Ratio Lower Upper
43 100
74 16.6 21.9 32.9#



#20
Methylene Chloride
Concen: 9.14 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

Tgt Ion: 84 Resp: 8279
Ion Ratio Lower Upper
84 100
49 108.0 88.6 132.8
51 39.5 27.0 40.6
86 60.7 50.3 75.5

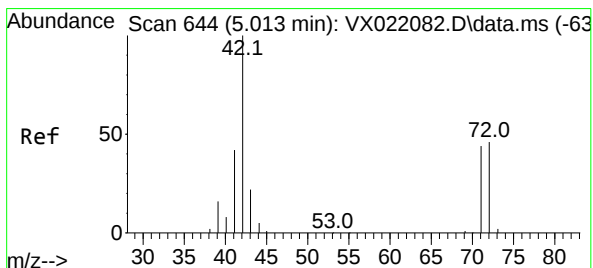
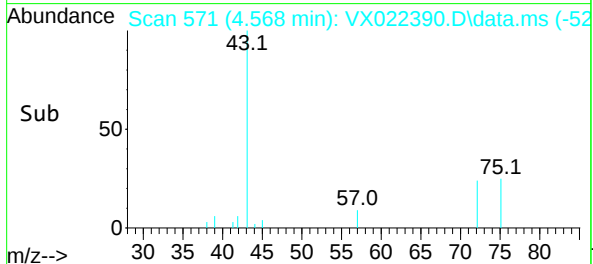
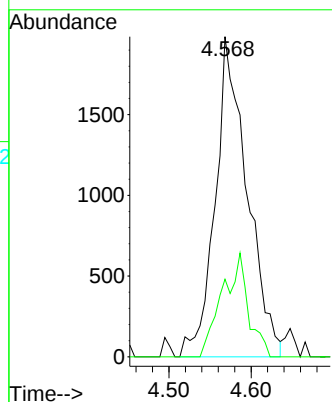
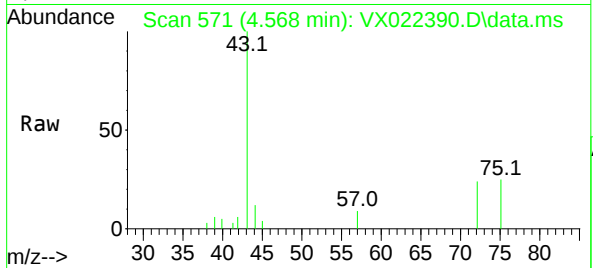




#25
2-Butanone
Concen: 8.12 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

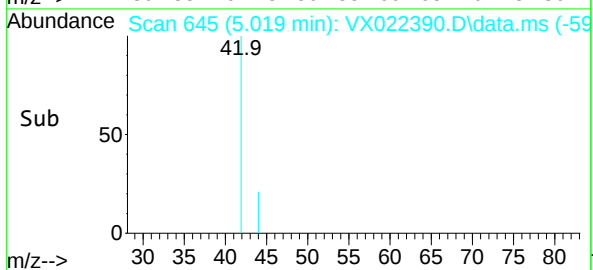
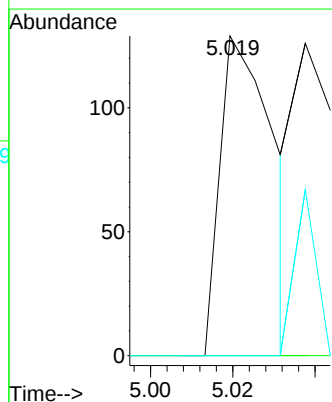
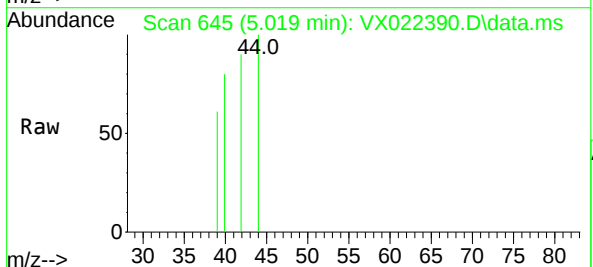
Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#05

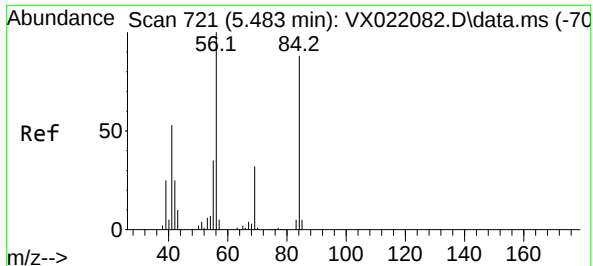
Tgt Ion: 43 Resp: 5360
Ion Ratio Lower Upper
43 100
72 24.2 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.30 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.006 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

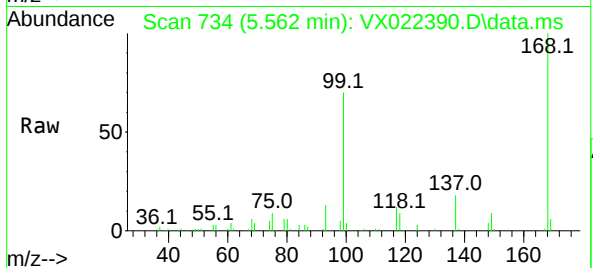
Tgt Ion: 42 Resp: 117
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 0.0 38.4 57.6#



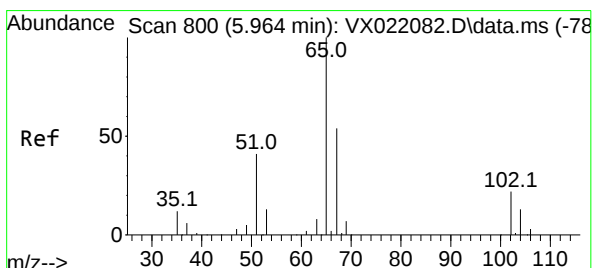
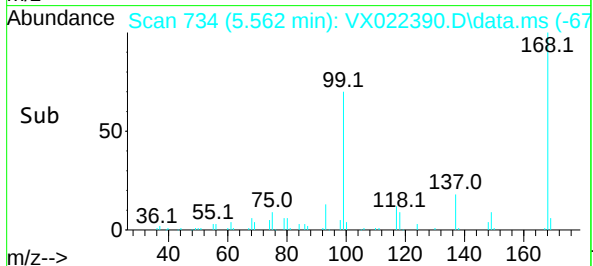
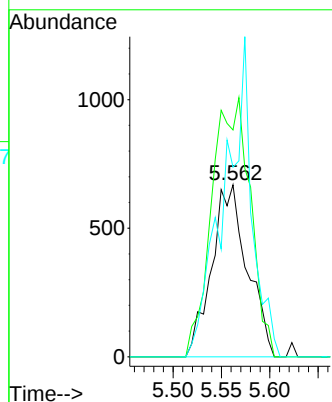


#31
Cyclohexane
Concen: 1.45 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#05

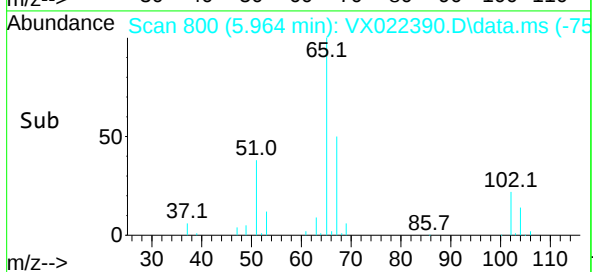
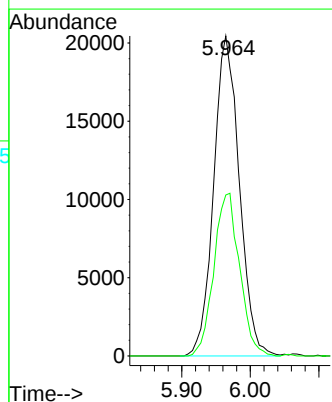
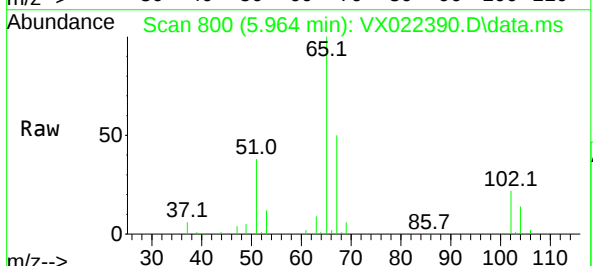


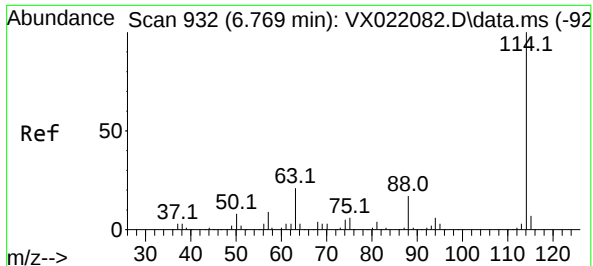
Tgt Ion: 56 Resp: 1710
Ion Ratio Lower Upper
56 100
69 131.8 25.3 37.9#
84 110.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 56.58 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

Tgt Ion: 65 Resp: 53013
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4

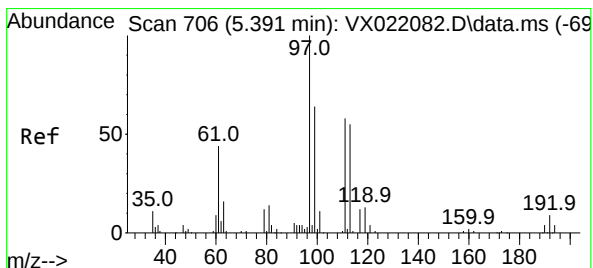
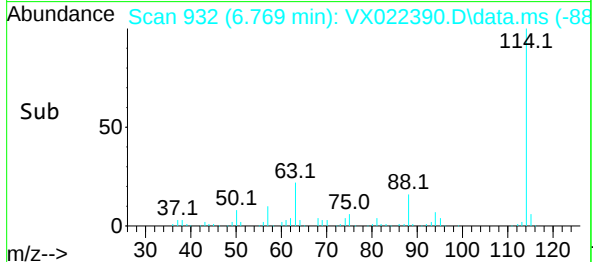
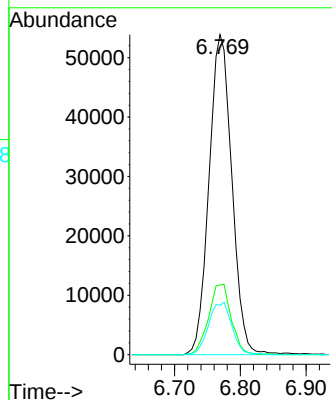
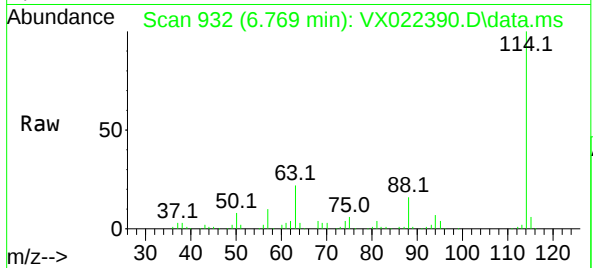




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

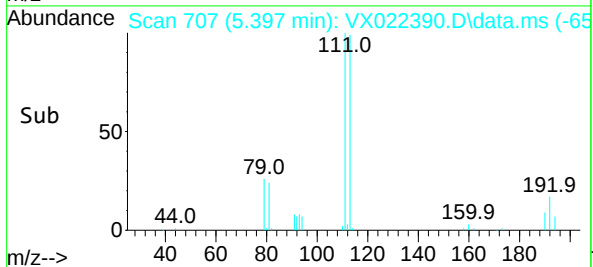
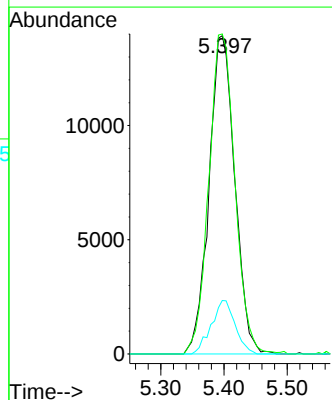
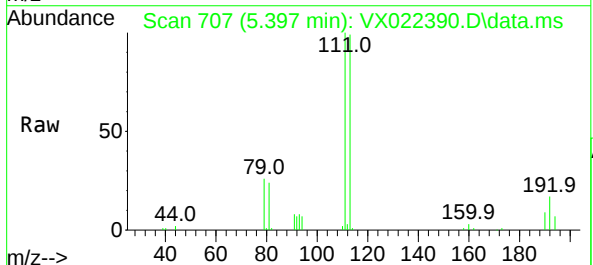
Instrument :
MSVOA_X
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PB36780ZHE#05

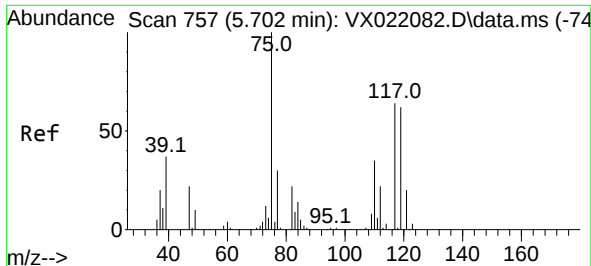
Tgt Ion:114 Resp: 129976
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.8
88 15.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.78 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

Tgt Ion:113 Resp: 39385
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 15.6 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 4.80 ug/l

RT: 5.556 min Scan# 733

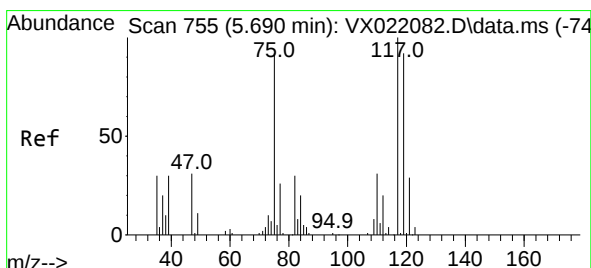
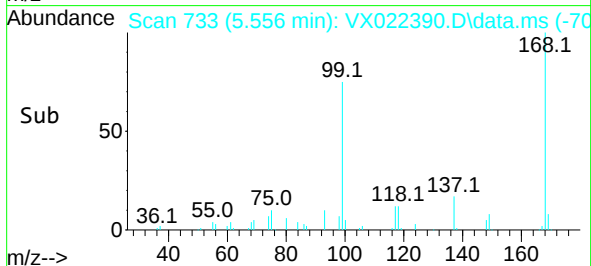
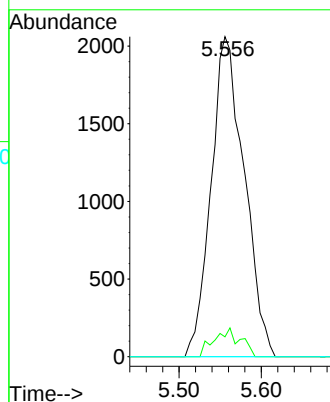
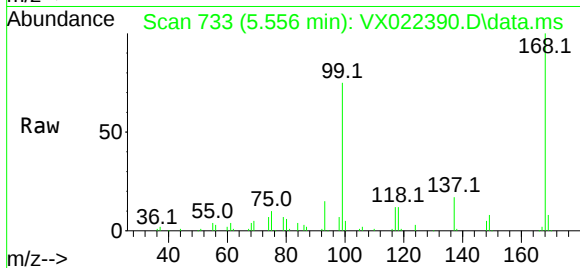
Delta R.T. -0.146 min

Lab File: VX022390.D

Acq: 04 Jun 2021 01:01

Tgt Ion:	75	Resp:	5772
Ion	Ratio	Lower	Upper
75	100		
110	7.1	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#05



#38

Carbon Tetrachloride

Concen: 6.04 ug/l

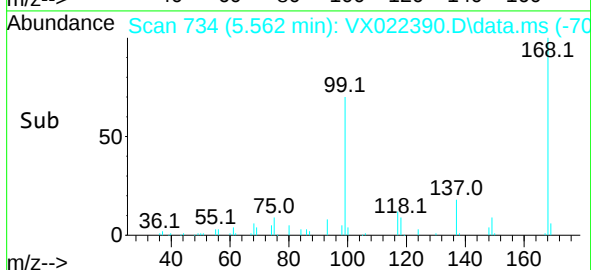
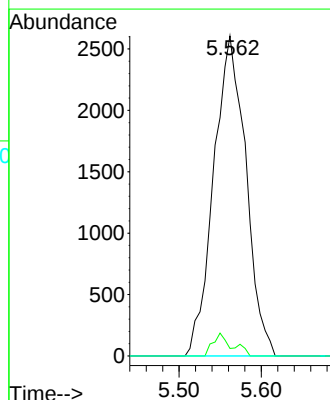
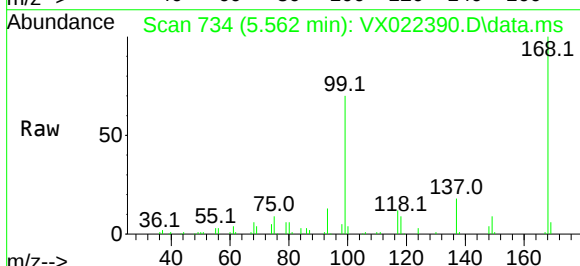
RT: 5.562 min Scan# 734

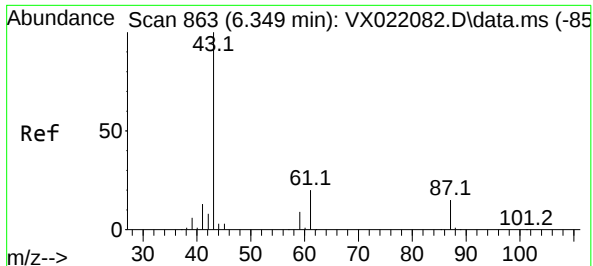
Delta R.T. -0.128 min

Lab File: VX022390.D

Acq: 04 Jun 2021 01:01

Tgt Ion:	117	Resp:	7100
Ion	Ratio	Lower	Upper
117	100		
119	2.3	76.2	114.2#
121	0.0	24.8	37.2#

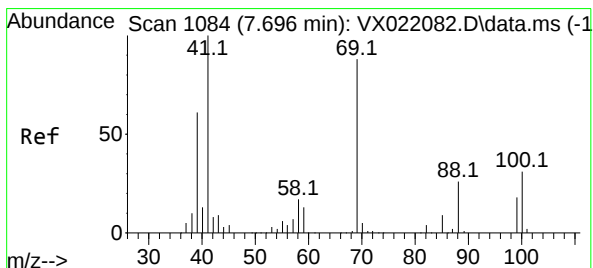
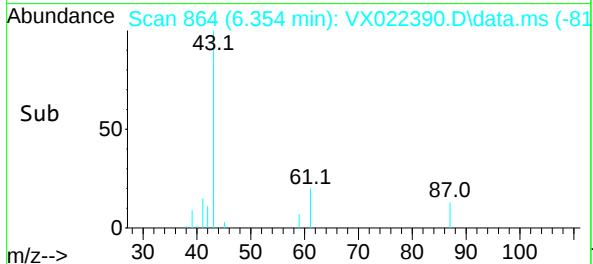
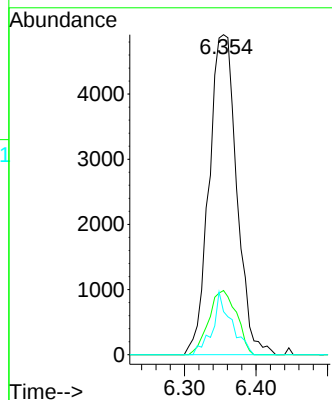
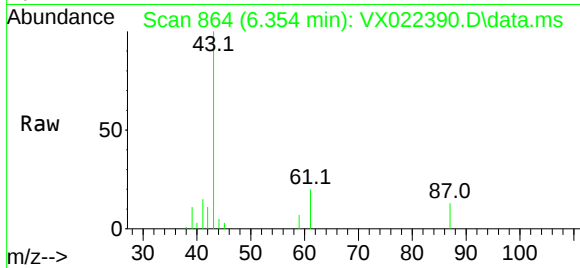




#43
Isopropyl Acetate
Concen: 5.48 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.005 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

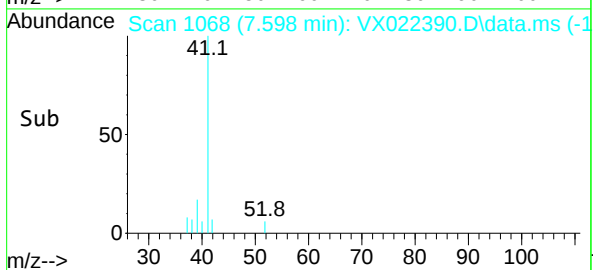
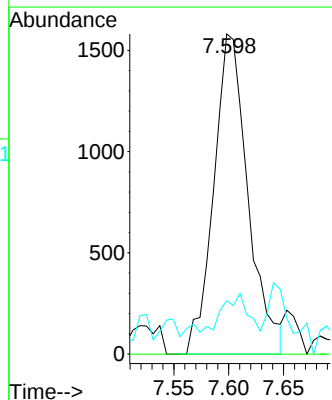
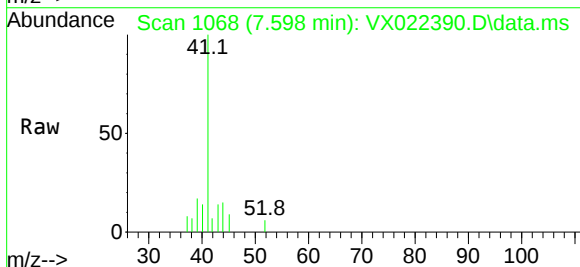
Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#05

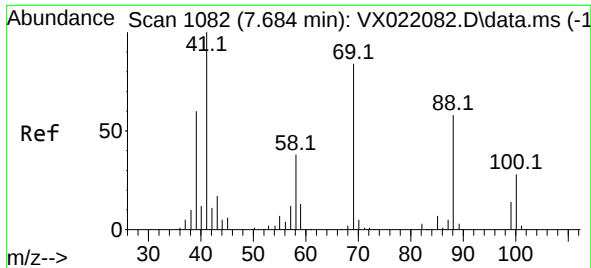
Tgt Ion: 43 Resp: 13199
Ion Ratio Lower Upper
43 100
61 20.1 18.2 27.4
87 13.4 12.5 18.7



#48
Methyl methacrylate
Concen: 3.09 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

Tgt Ion: 41 Resp: 3429
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 3.93 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.121 min

Lab File: VX022390.D

Acq: 04 Jun 2021 01:01

Tgt Ion: 88 Resp: 85

Ion Ratio Lower Upper

88 100

43 808671.8 23.2 34.8#

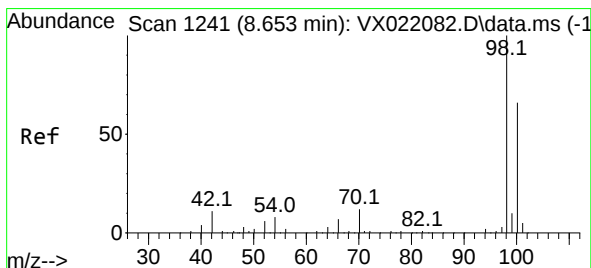
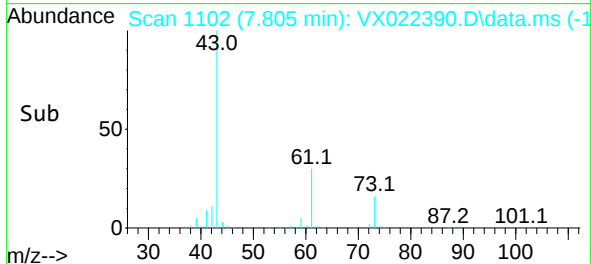
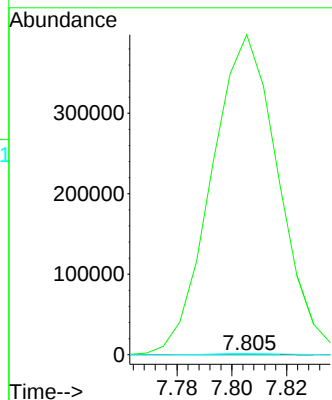
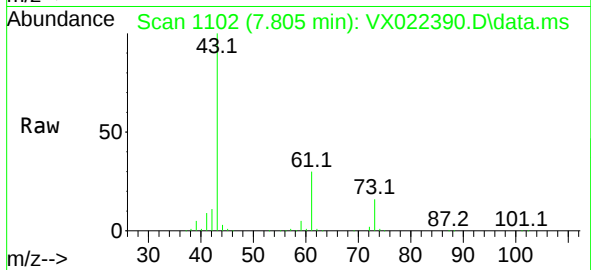
58 3009.4 55.0 82.4#

Instrument :

MSVOA_X

ClientSampleId :

PB36780ZHE#05



#50

Toluene-d8

Concen: 51.62 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX022390.D

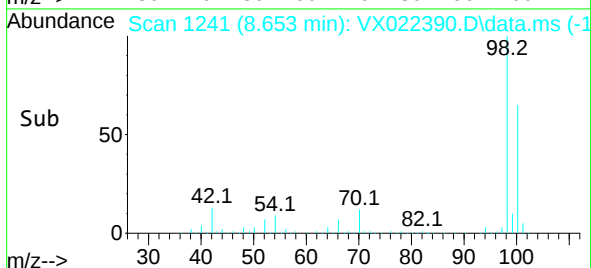
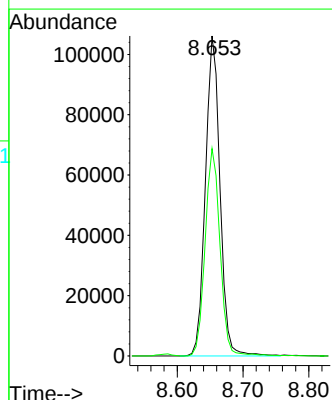
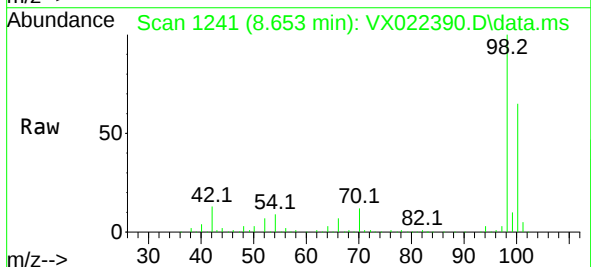
Acq: 04 Jun 2021 01:01

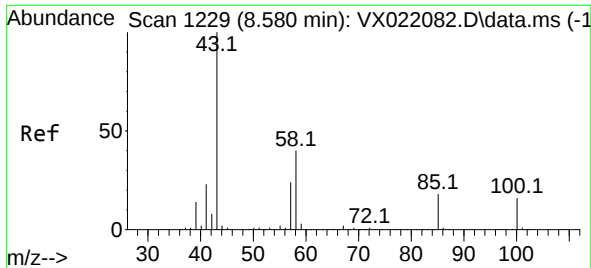
Tgt Ion: 98 Resp: 163888

Ion Ratio Lower Upper

98 100

100 66.1 51.9 77.9

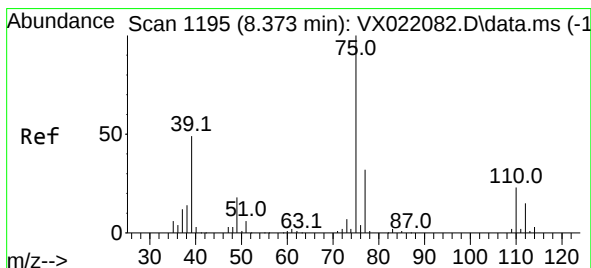
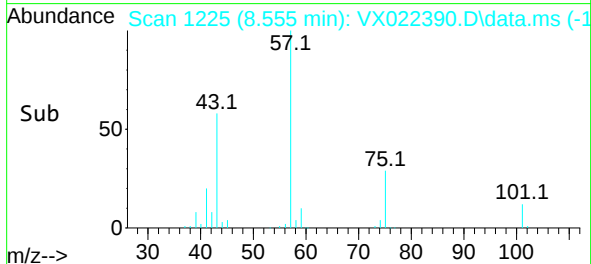
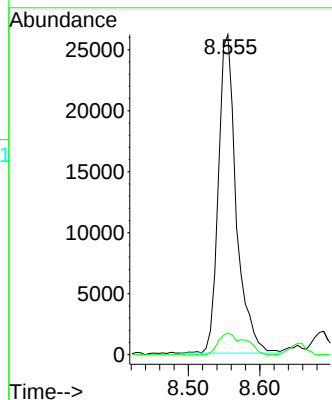
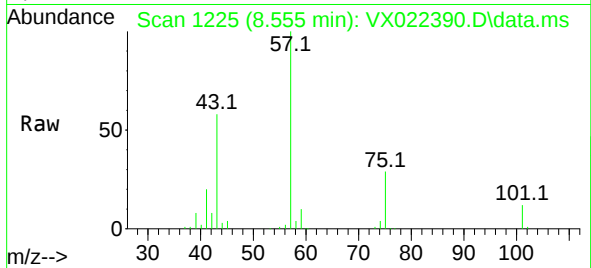




#51
4-Methyl-2-Pentanone
Concen: 31.41 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

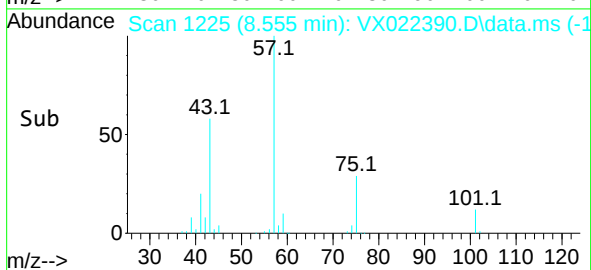
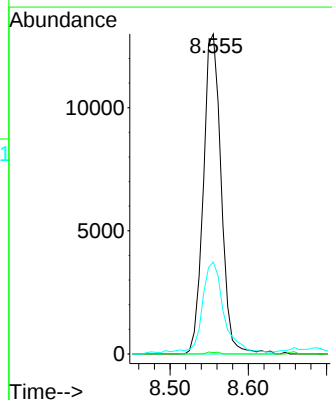
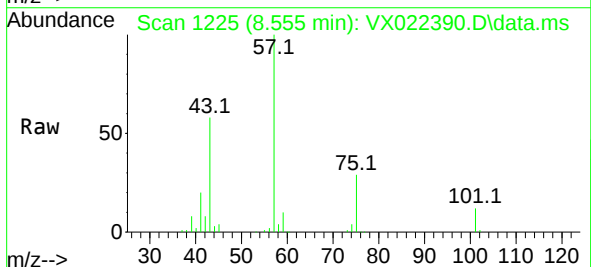
Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#05

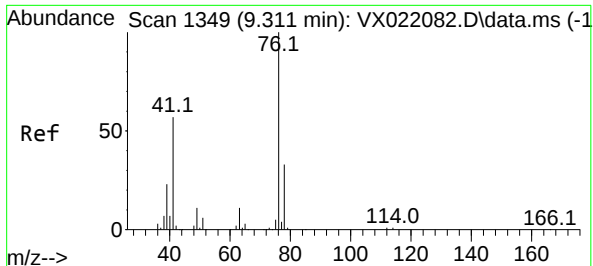
Tgt Ion: 43 Resp: 45341
Ion Ratio Lower Upper
43 100
58 10.2 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 12.89 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

Tgt Ion: 75 Resp: 20488
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 27.8 35.1 52.7#



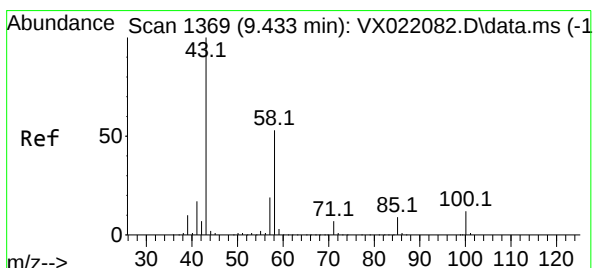
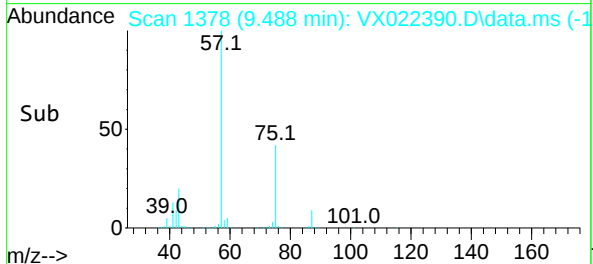
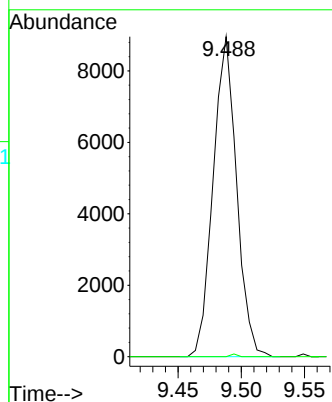
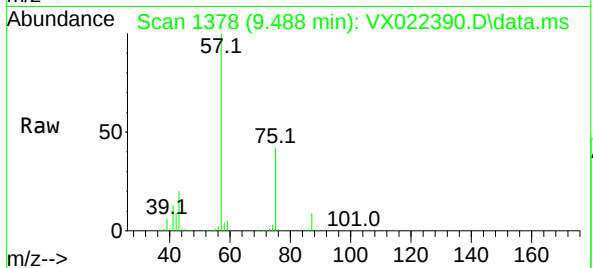


#57

1,3-Dichloropropane
Concen: 7.10 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#05

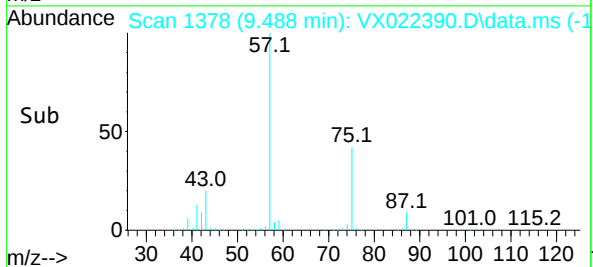
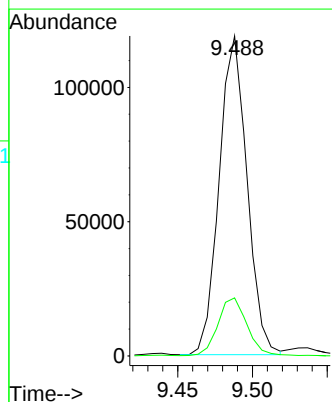
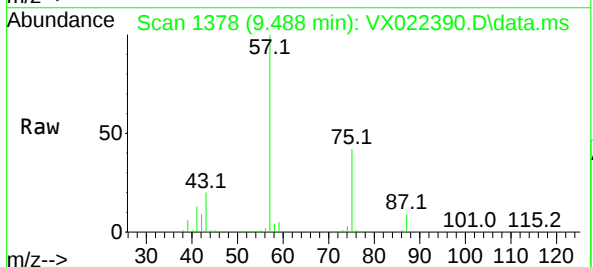
Tgt Ion: 76 Resp: 11531
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#

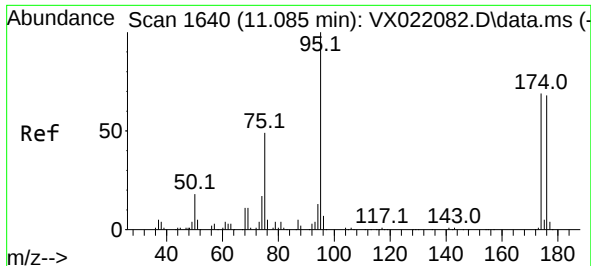


#59

2-Hexanone
Concen: 141.72 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

Tgt Ion: 43 Resp: 153860
Ion Ratio Lower Upper
43 100
58 19.1 30.9 92.8#

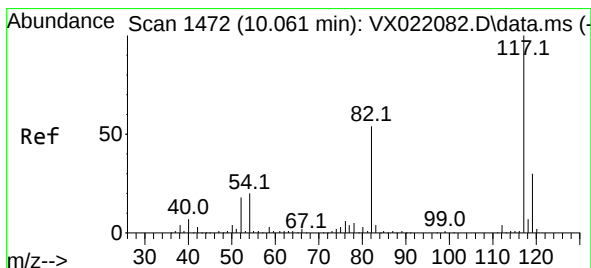
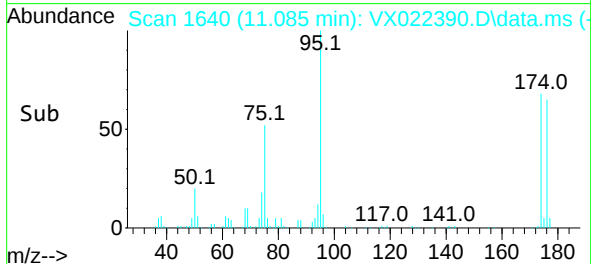
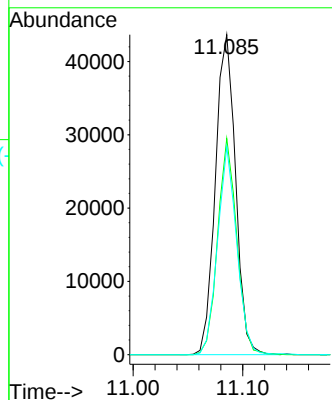
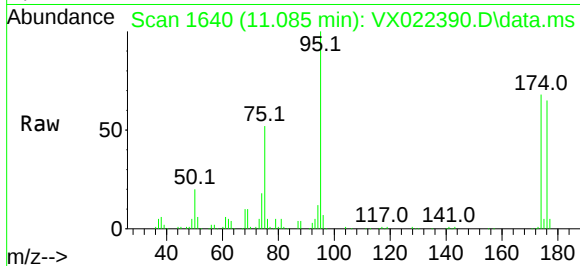




#62
4-Bromofluorobenzene
Concen: 47.57 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

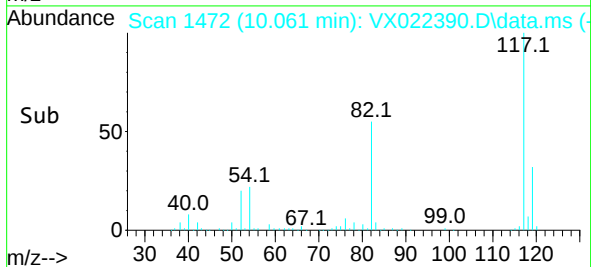
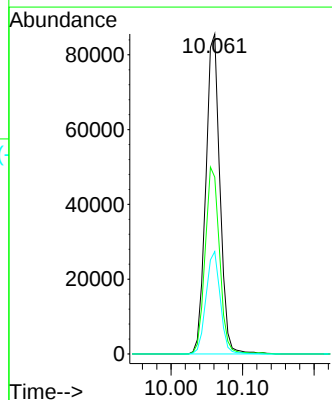
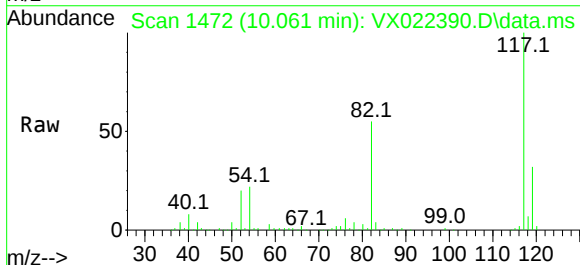
Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#05

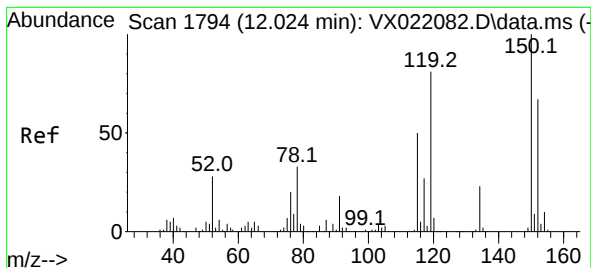
Tgt Ion: 95 Resp: 55824
Ion Ratio Lower Upper
95 100
174 64.1 0.0 154.6
176 62.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

Tgt Ion: 117 Resp: 117653
Ion Ratio Lower Upper
117 100
82 55.2 47.4 71.2
119 32.0 26.6 39.8

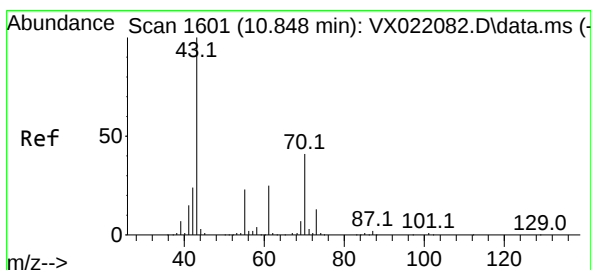
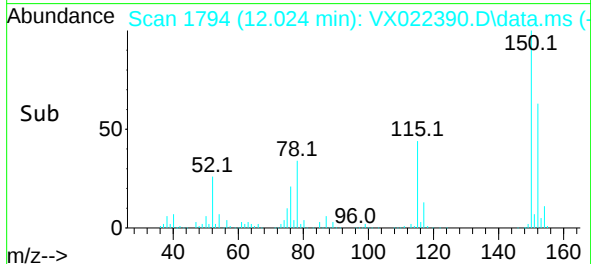
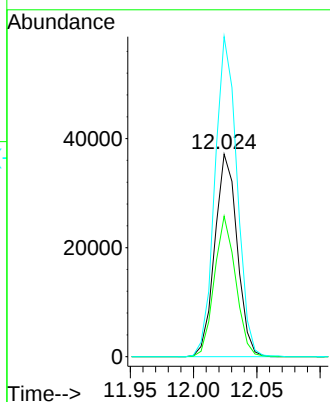
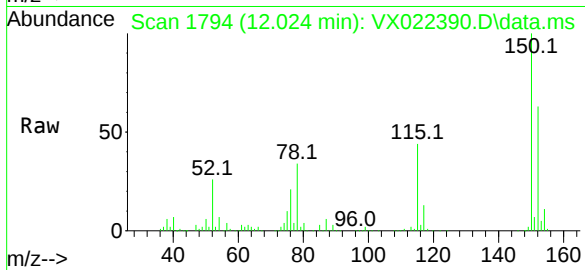




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

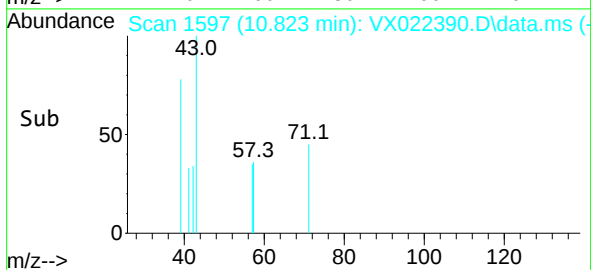
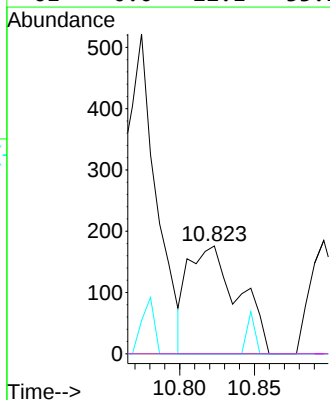
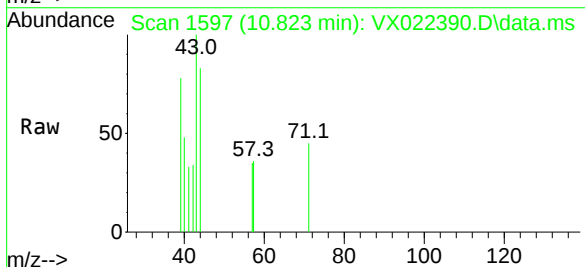
Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#05

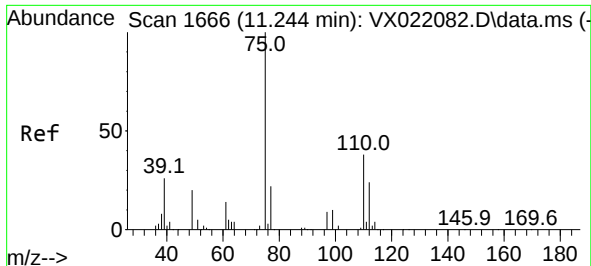
Tgt Ion:152 Resp: 45687
Ion Ratio Lower Upper
152 100
115 66.0 41.1 123.3
150 155.8 0.0 349.0



#74
N-ethyl acetate
Concen: 0.22 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.025 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

Tgt Ion: 43 Resp: 409
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#

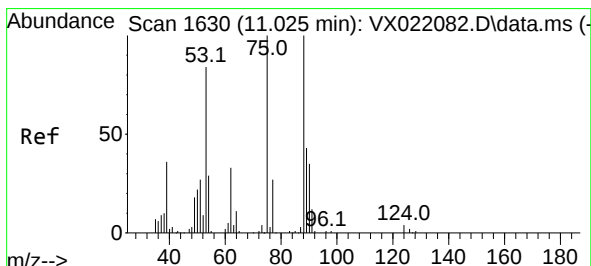
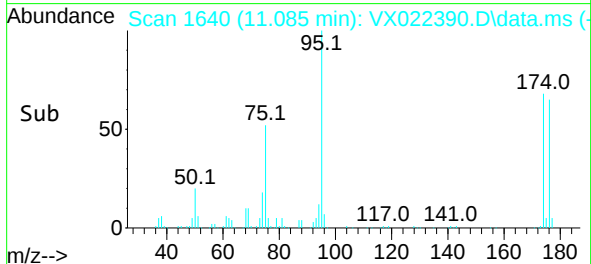
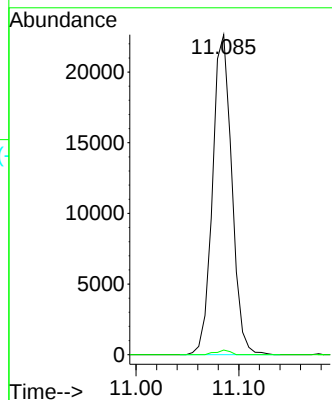
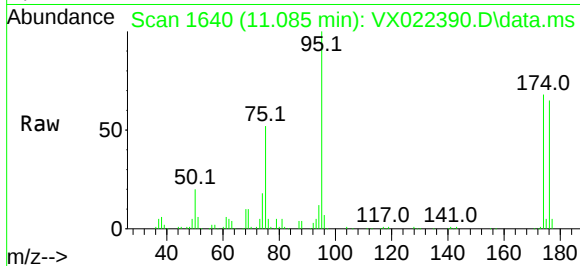




#76
1,2,3-Trichloropropane
Concen: 26.08 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#05

Tgt Ion: 75 Resp: 29400
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.80 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022390.D
Acq: 04 Jun 2021 01:01

Tgt Ion: 75 Resp: 29400
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

