

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060121\
 Data File : VX022315.D
 Acq On : 02 Jun 2021 01:36
 Operator : JC/MD
 Sample : PB136731ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

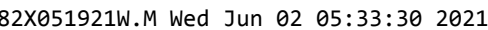
Instrument :
 MSVOA_X
 ClientSampleId :
 PB136731ZHE#01

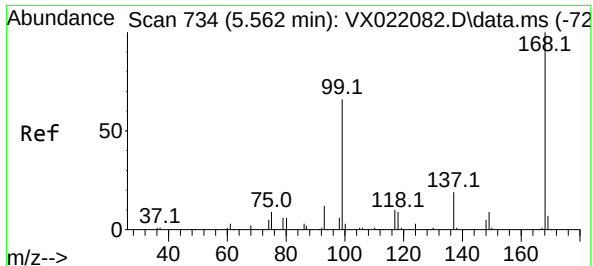
Quant Time: Jun 02 05:33:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	64556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	137260	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	122380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48208	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	56203	56.44	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.88%			
35) Dibromofluoromethane	5.391	113	41689	47.89	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.78%			
50) Toluene-d8	8.653	98	171531	51.16	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.32%			
62) 4-Bromofluorobenzene	11.085	95	59941	48.37	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.74%			
Target Compounds						
						Qvalue
5) Bromomethane	1.612	94	270	0.52	ug/l	93
10) Methyl Iodide	2.465	142	368	0.45	ug/l #	61
11) Tert butyl alcohol	2.953	59	716	3.14	ug/l #	73
13) Acrolein	2.246	56	44	0.29	ug/l #	1
16) Acetone	2.386	43	13047	30.09	ug/l	95
18) Methyl Acetate	2.715	43	1485	1.29	ug/l #	81
20) Methylene Chloride	2.794	84	4588	4.77	ug/l #	77
25) 2-Butanone	4.574	43	2543	3.63	ug/l #	85
29) Tetrahydrofuran	5.013	42	213	0.51	ug/l #	41
31) Cyclohexane	5.568	56	1830	1.46	ug/l #	12
36) 1,1-Dichloropropene	5.556	75	6279	4.95	ug/l #	47
38) Carbon Tetrachloride	5.562	117	7335	5.91	ug/l #	16
41) Methacrylonitrile	5.032	41	326	0.39	ug/l #	39
43) Isopropyl Acetate	6.355	43	15045	5.91	ug/l	96
48) Methyl methacrylate	7.598	41	3859	3.29	ug/l #	10
49) 1,4-Dioxane	7.812	88	87	3.81	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	54361	35.66	ug/l #	46
54) cis-1,3-Dichloropropene	8.555	75	25039	14.92	ug/l #	61
56) Ethyl methacrylate	9.342	69	349	0.22	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	14633	8.54	ug/l #	42
59) 2-Hexanone	9.488	43	198004	172.70	ug/l #	44
74) N-amyl acetate	10.768	43	475	0.25	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	31164	26.20	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	2934	0.87	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.085	75	31164	62.09	ug/l #	12

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

Quant Time: Jun 02 05:33:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
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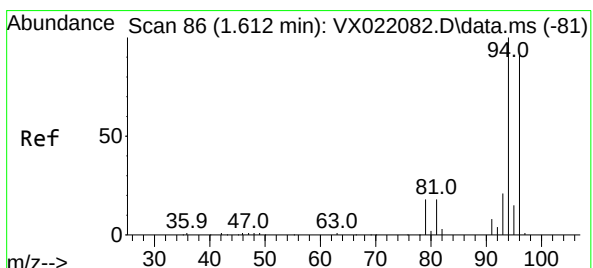
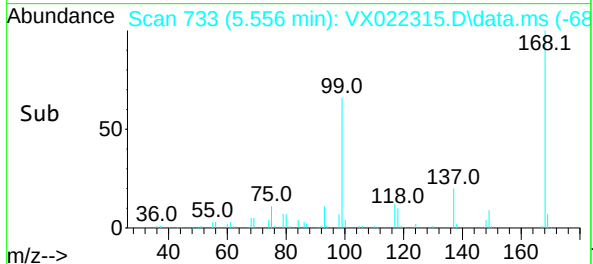
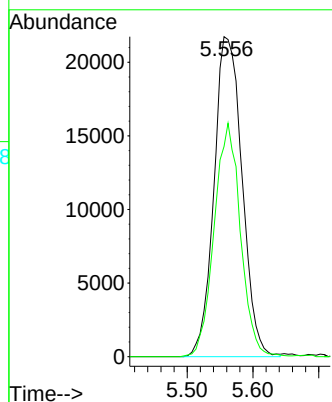
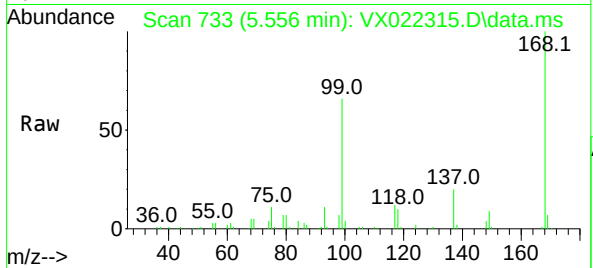




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

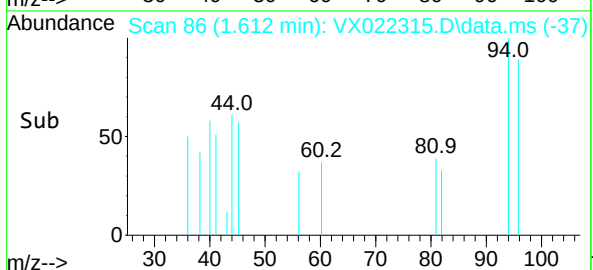
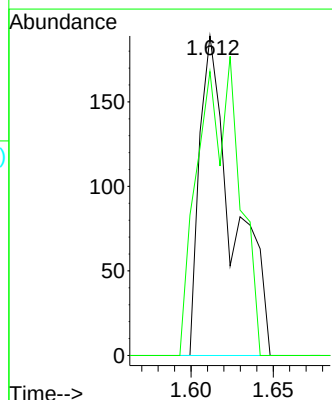
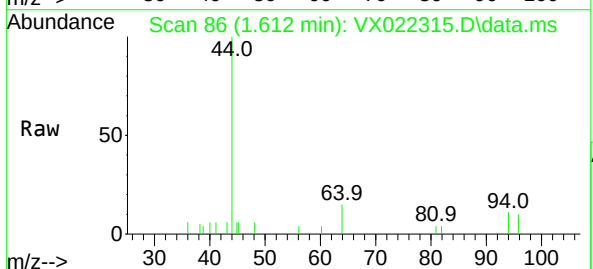
Instrument :
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PB136731ZHE#01

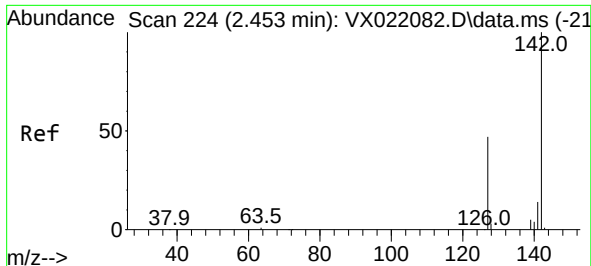
Tgt Ion:168 Resp: 64556
Ion Ratio Lower Upper
168 100
99 65.7 45.8 68.6



#5
Bromomethane
Concen: 0.52 ug/l
RT: 1.612 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

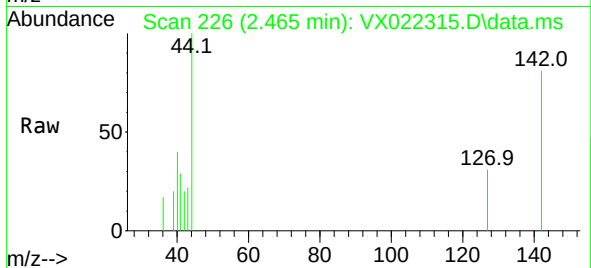
Tgt Ion: 94 Resp: 270
Ion Ratio Lower Upper
94 100
96 88.9 76.4 114.6



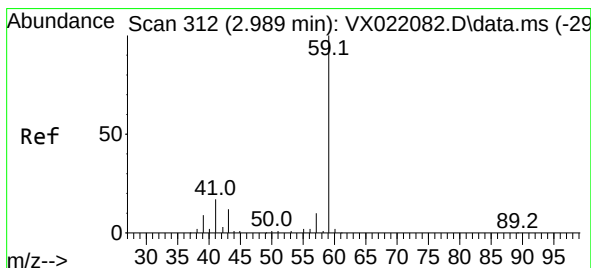
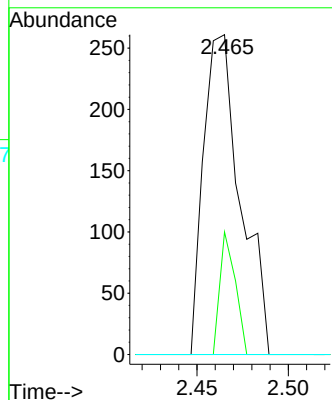
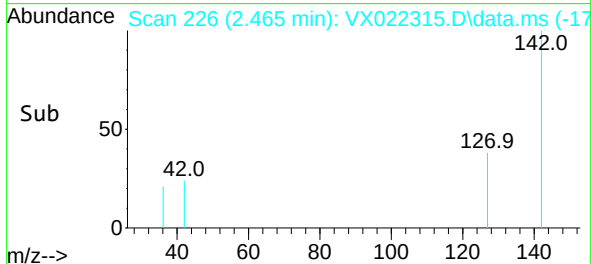


#10
Methyl Iodide
Concen: 0.45 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

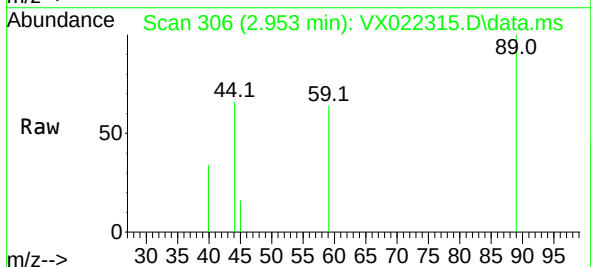
Instrument :
MSVOA_X
ClientSampleId :
PB136731ZHE#01



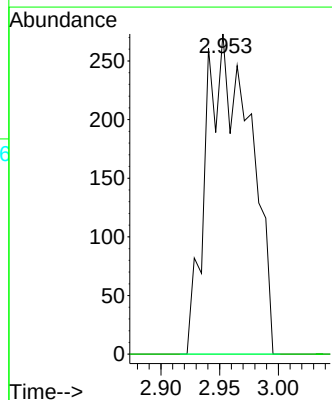
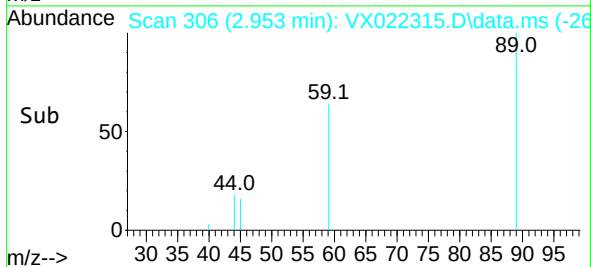
Tgt Ion:142 Resp: 368
Ion Ratio Lower Upper
142 100
127 15.8 33.3 49.9#
141 0.0 11.4 17.0#

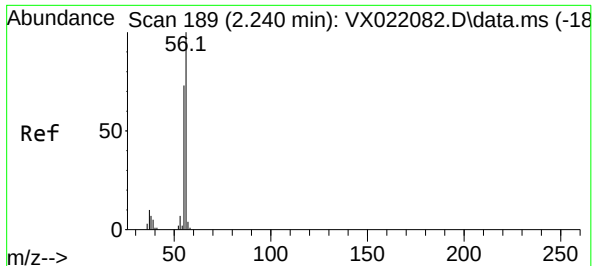


#11
Tert butyl alcohol
Concen: 3.14 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36



Tgt Ion: 59 Resp: 716
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 0.29 ug/l

RT: 2.246 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX022315.D

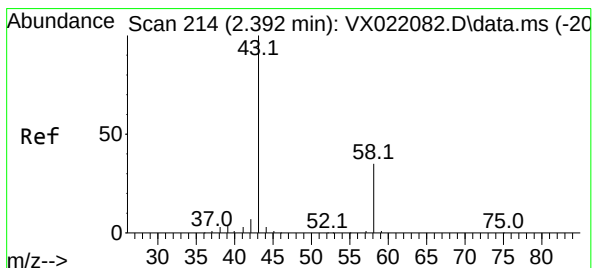
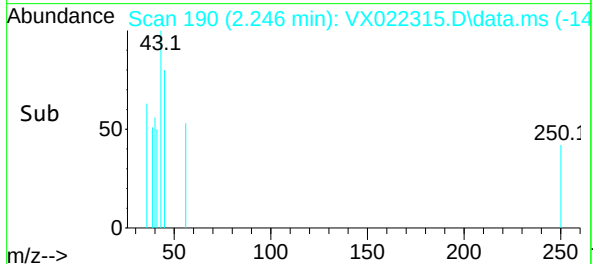
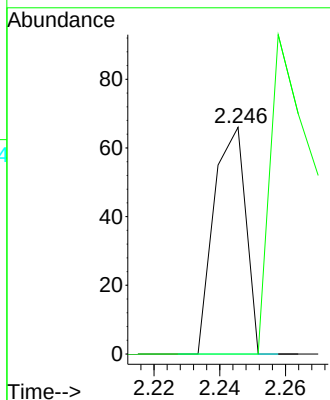
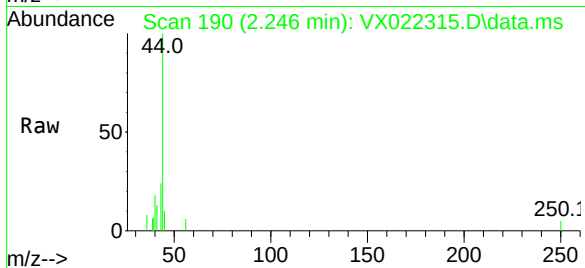
Acq: 02 Jun 2021 01:36

Tgt Ion: 56 Resp: 44

Ion Ratio Lower Upper

56 100

55 179.5 56.4 84.6#



#16

Acetone

Concen: 30.09 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX022315.D

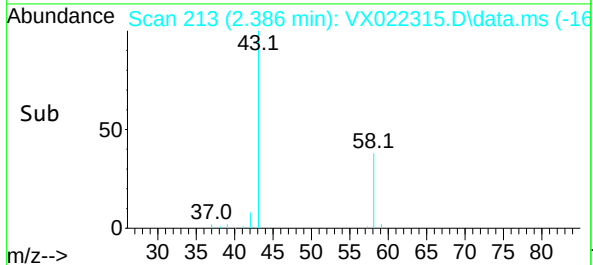
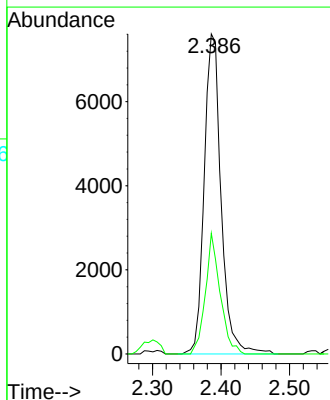
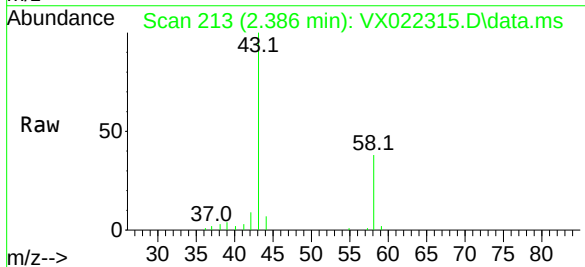
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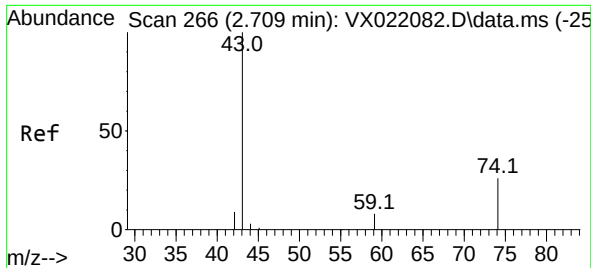
Tgt Ion: 43 Resp: 13047

Ion Ratio Lower Upper

43 100

58 37.7 27.8 41.8

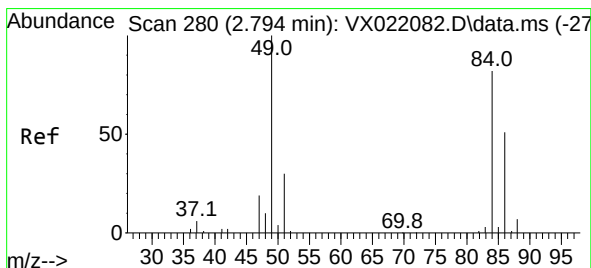
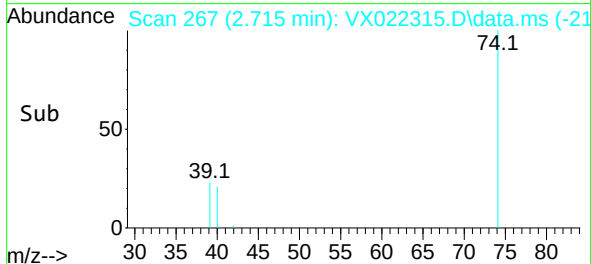
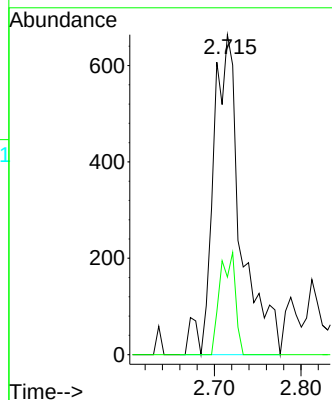
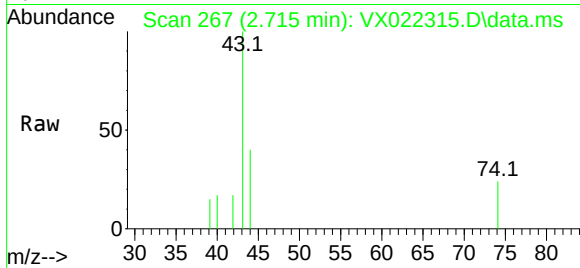




#18
Methyl Acetate
Concen: 1.29 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

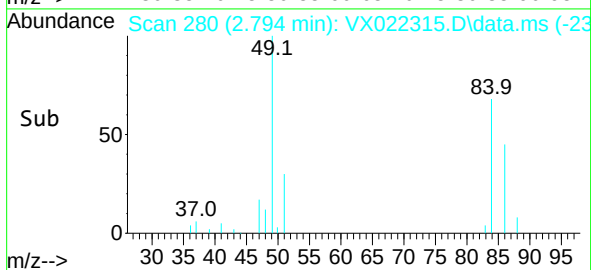
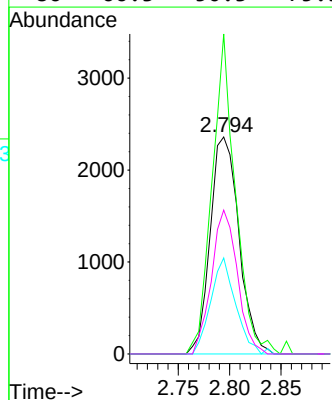
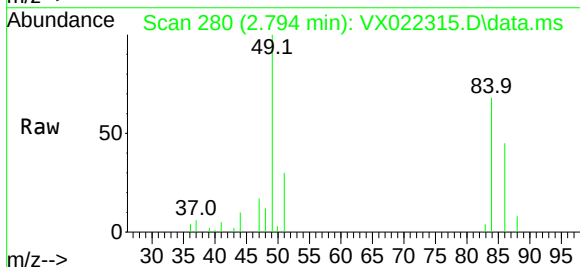
Instrument :
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PB136731ZHE#01

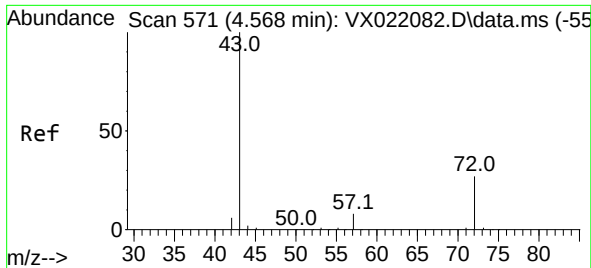
Tgt Ion: 43 Resp: 1485
Ion Ratio Lower Upper
43 100
74 17.6 21.9 32.9#



#20
Methylene Chloride
Concen: 4.77 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

Tgt Ion: 84 Resp: 4588
Ion Ratio Lower Upper
84 100
49 147.5 88.6 132.8#
51 44.2 27.0 40.6#
86 66.3 50.3 75.5

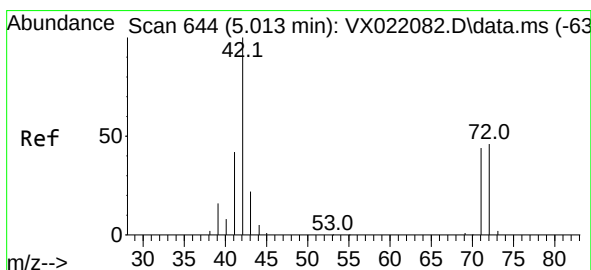
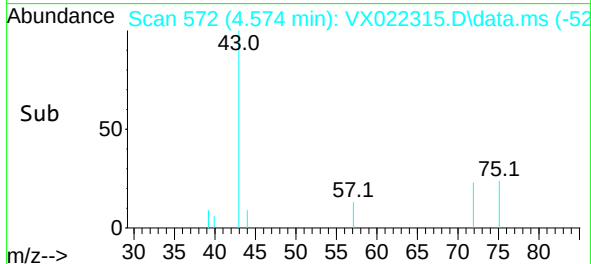
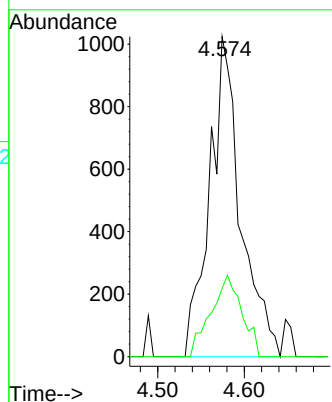
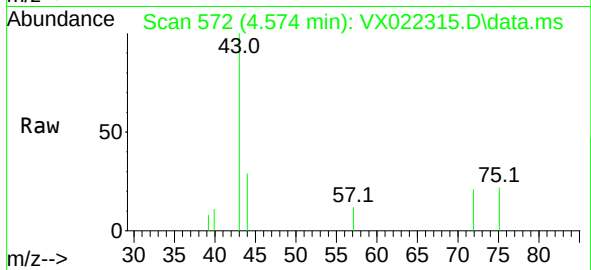




#25
2-Butanone
Concen: 3.63 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

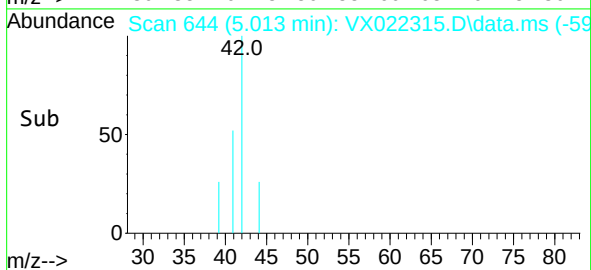
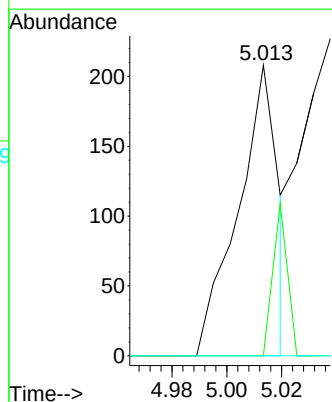
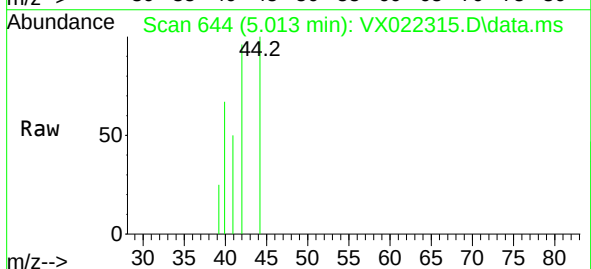
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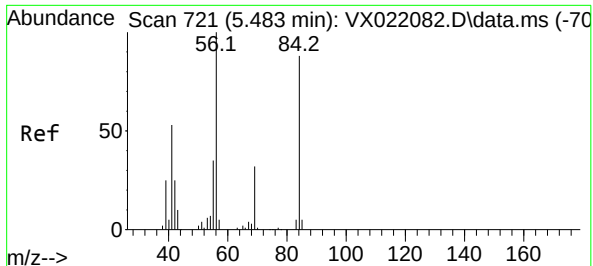
Tgt Ion: 43 Resp: 2543
Ion Ratio Lower Upper
43 100
72 21.3 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.51 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.000 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

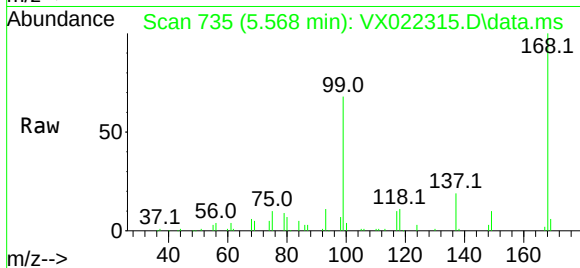
Tgt Ion: 42 Resp: 213
Ion Ratio Lower Upper
42 100
72 18.8 41.7 62.5#
71 0.0 38.4 57.6#



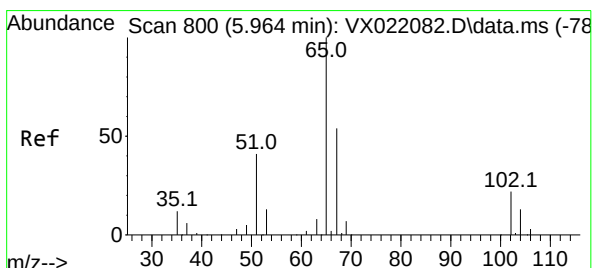
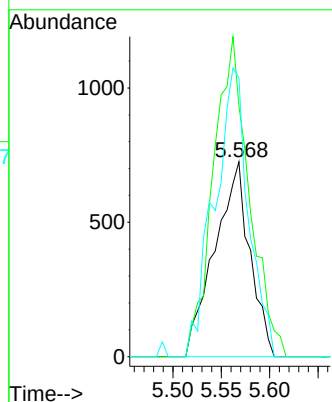
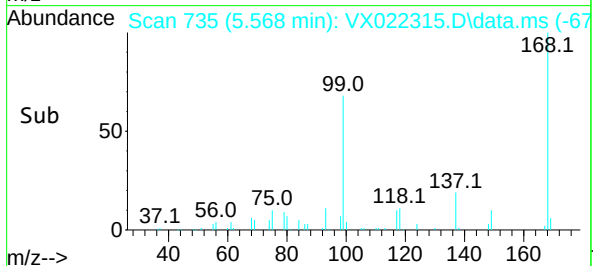


#31
Cyclohexane
Concen: 1.46 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.085 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

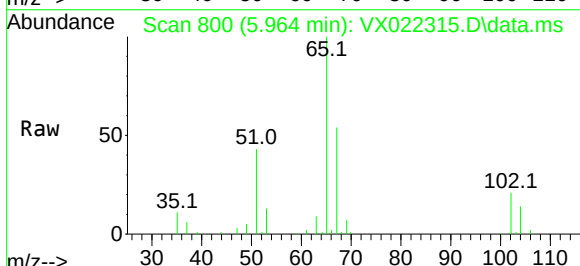
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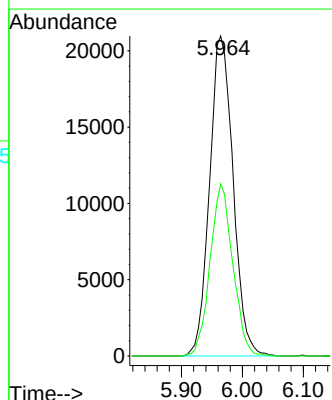
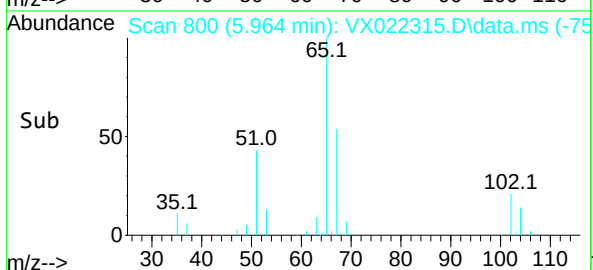
Tgt Ion: 56 Resp: 1830
Ion Ratio Lower Upper
56 100
69 128.8 25.3 37.9#
84 143.2 71.4 107.0#

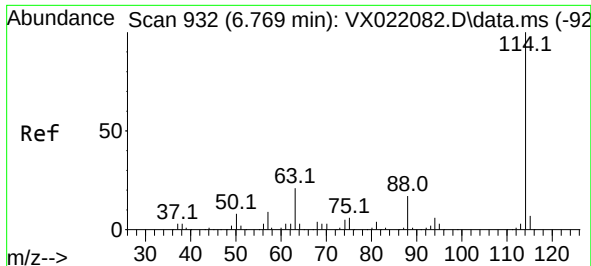


#33
1,2-Dichloroethane-d4
Concen: 56.44 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36



Tgt Ion: 65 Resp: 56203
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.4

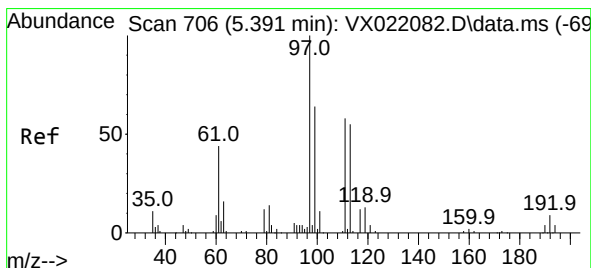
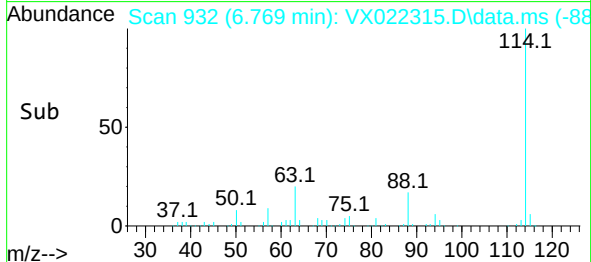
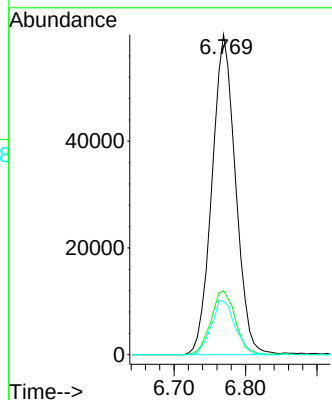
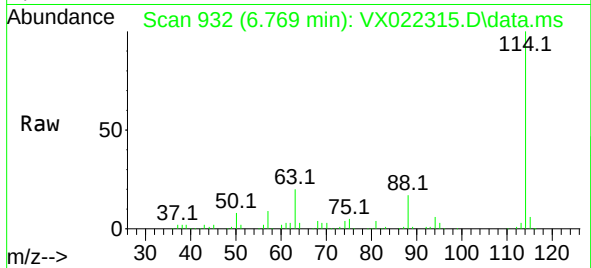




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

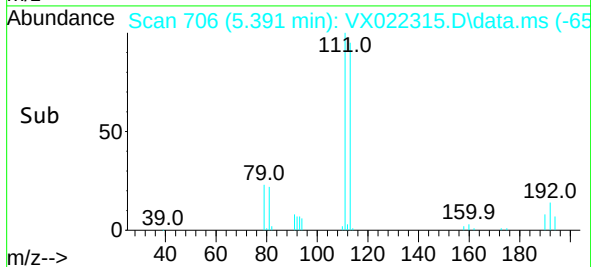
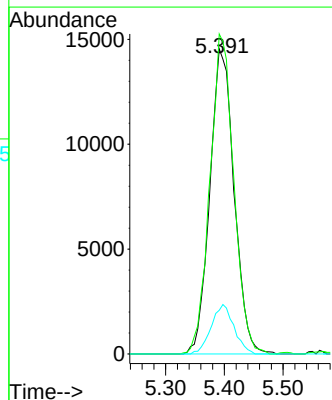
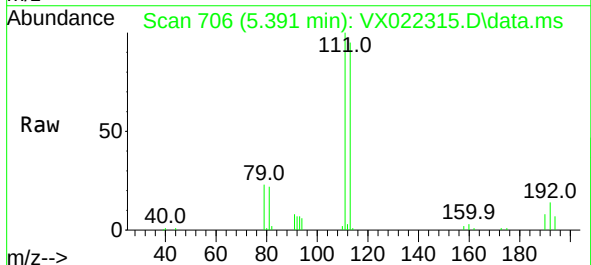
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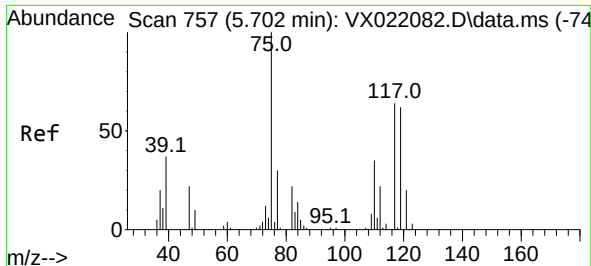
Tgt Ion:114 Resp: 137260
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.89 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

Tgt Ion:113 Resp: 41689
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 15.3 16.7 25.1#

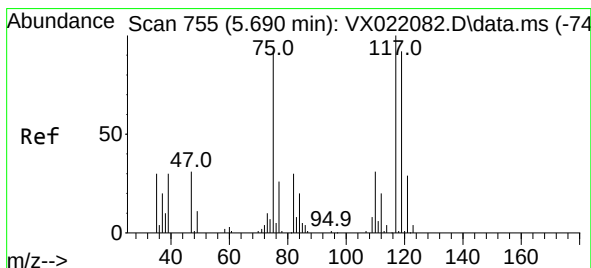
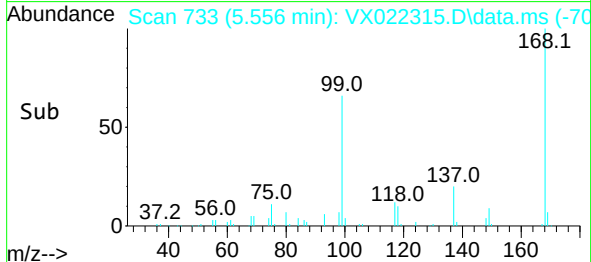
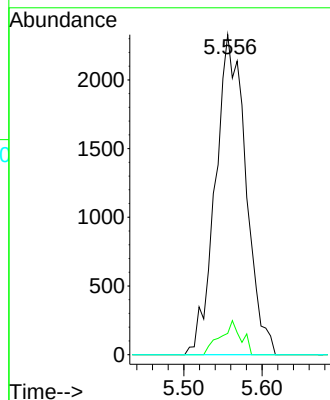
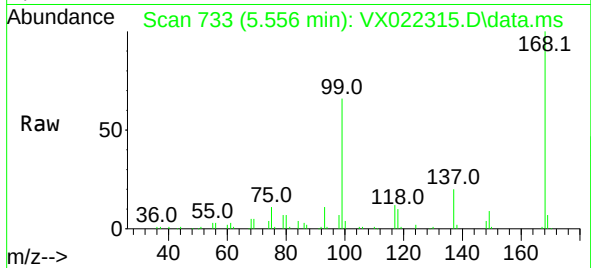




#36
1,1-Dichloropropene
Concen: 4.95 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

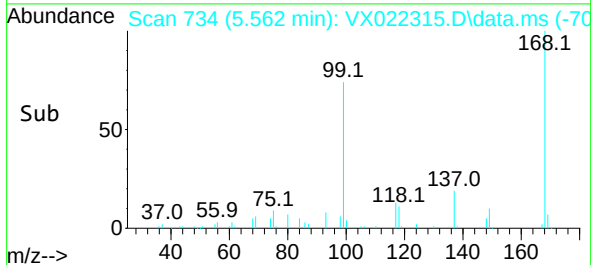
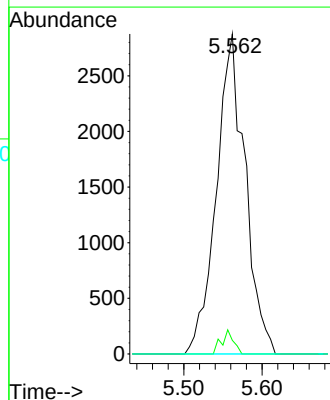
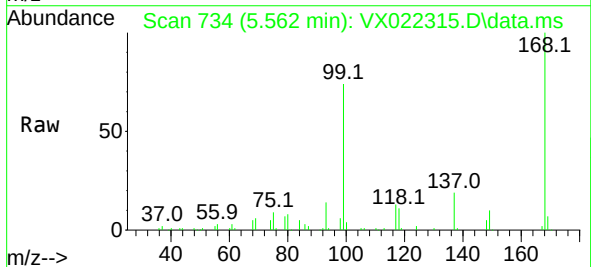
Instrument :
MSVOA_X
ClientSampleId :
PB136731ZHE#01

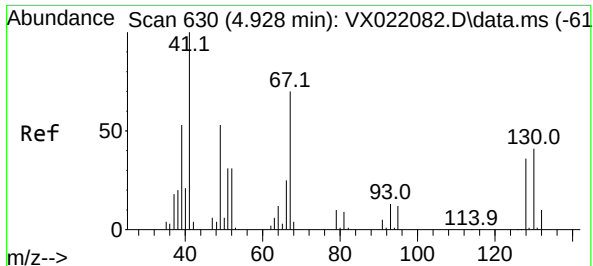
Tgt Ion: 75 Resp: 6279
Ion Ratio Lower Upper
75 100
110 7.2 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.91 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

Tgt Ion: 117 Resp: 7335
Ion Ratio Lower Upper
117 100
119 4.2 76.2 114.2#
121 0.0 24.8 37.2#

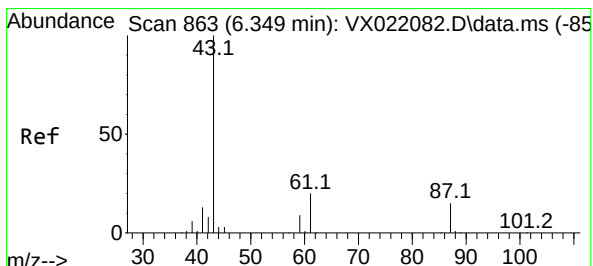
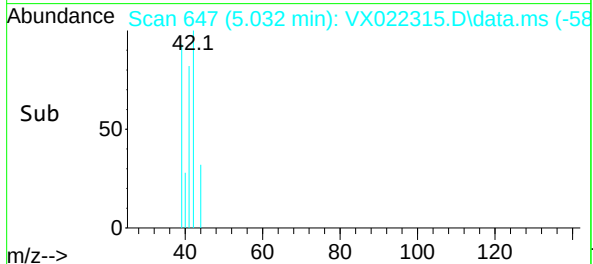
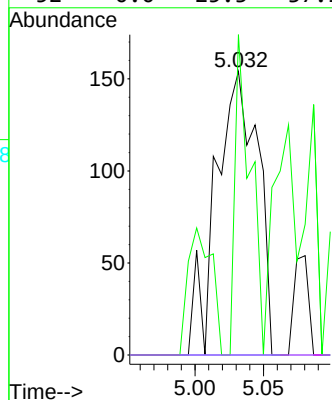
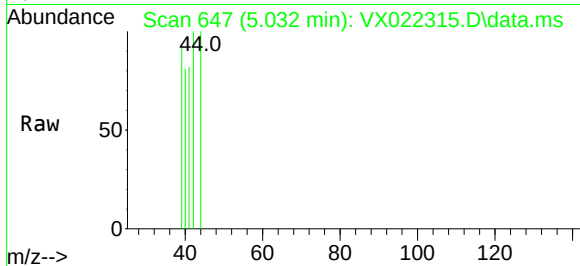




#41
Methacrylonitrile
Concen: 0.39 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

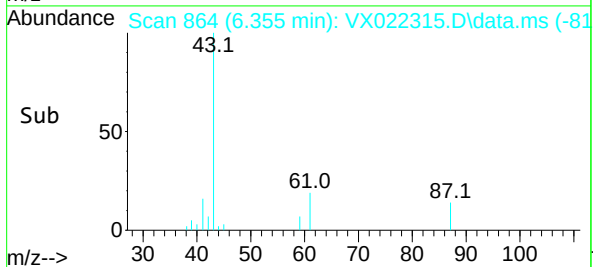
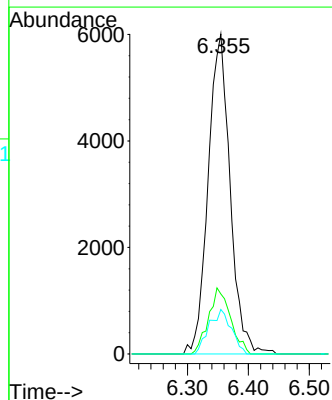
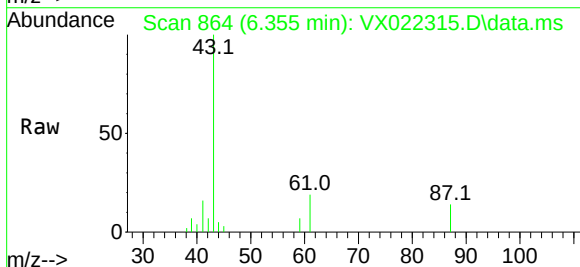
Instrument :
MSVOA_X
ClientSampleId :
PB136731ZHE#01

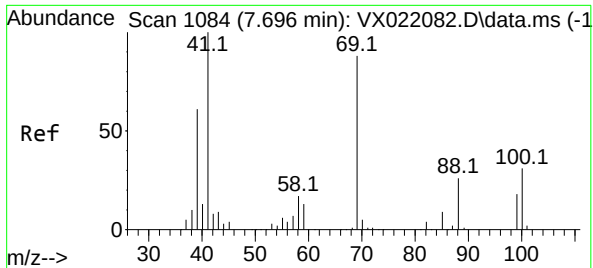
Tgt Ion: 41	Resp: 326
Ion Ratio	Lower Upper
41 100	
39 42.0	42.5 63.7#
67 0.0	65.0 97.6#
52 0.0	25.3 37.9#



#43
Isopropyl Acetate
Concen: 5.91 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

Tgt Ion: 43	Resp: 15045
Ion Ratio	Lower Upper
43 100	
61 20.6	18.2 27.4
87 14.0	12.5 18.7

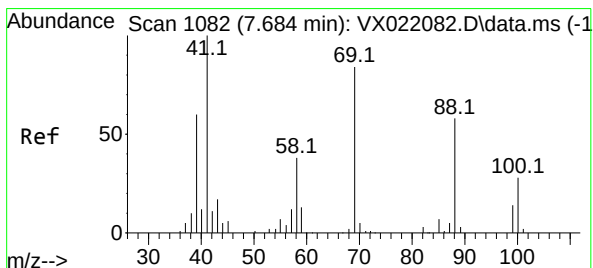
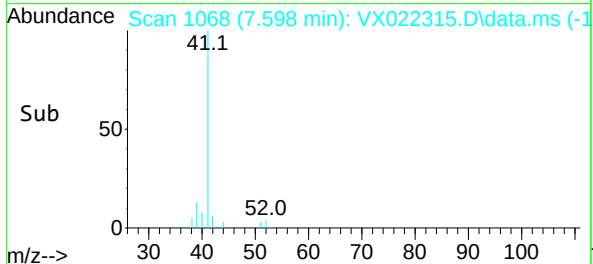
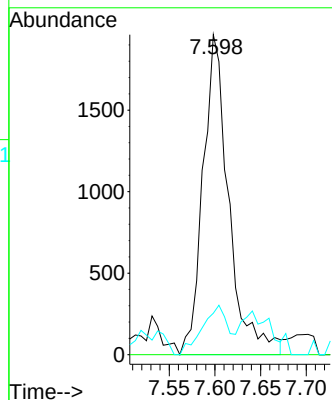
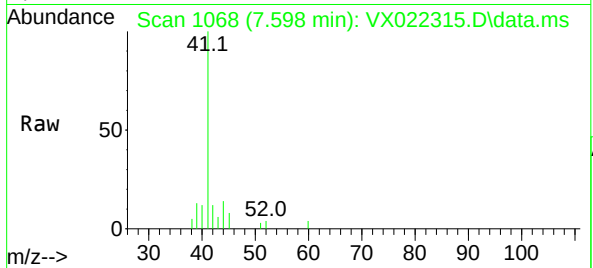




#48
Methyl methacrylate
Concen: 3.29 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

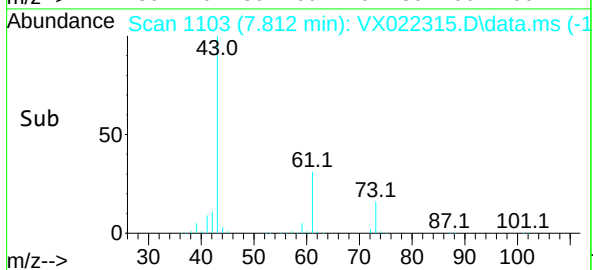
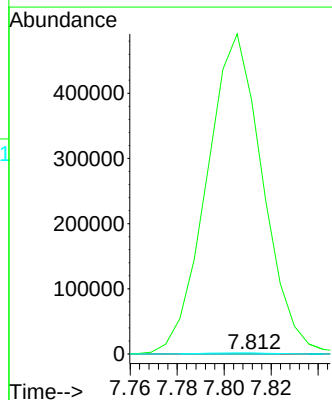
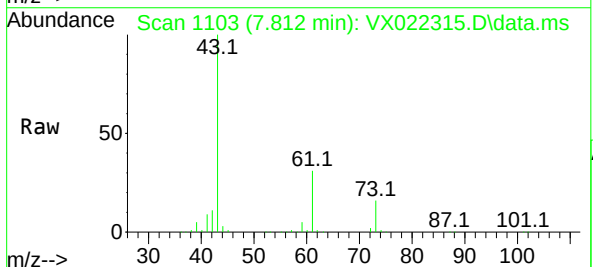
Instrument :
MSVOA_X
ClientSampleId :
PB136731ZHE#01

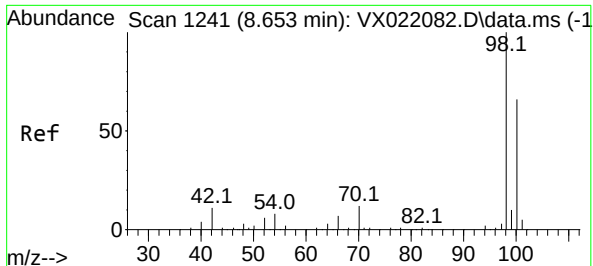
Tgt Ion: 41 Resp: 3859
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 3.81 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.128 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

Tgt Ion: 88 Resp: 87
Ion Ratio Lower Upper
88 100
43 947427.6 23.2 34.8#
58 3703.4 55.0 82.4#

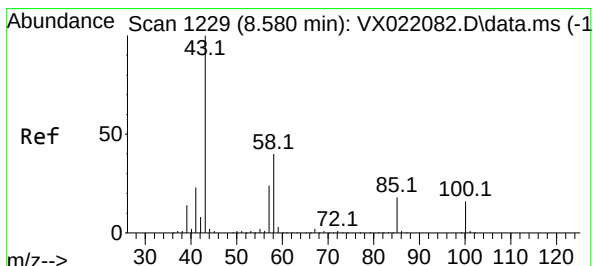
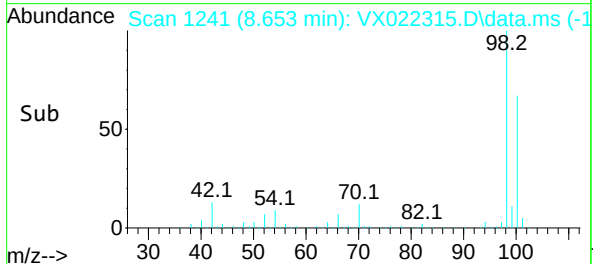
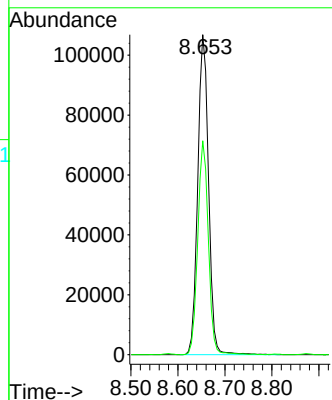
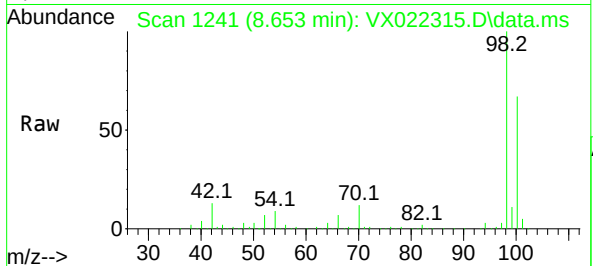




#50
Toluene-d8
Concen: 51.16 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

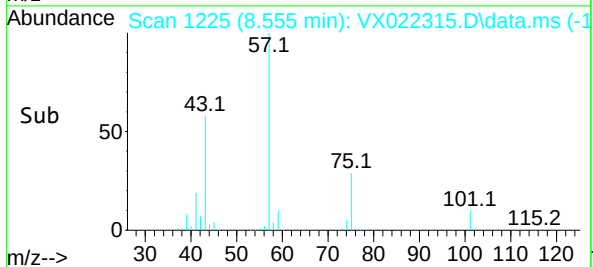
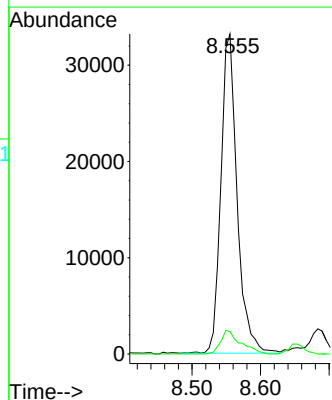
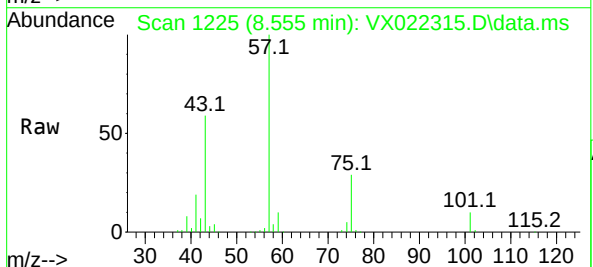
Instrument :
MSVOA_X
ClientSampleId :
PB136731ZHE#01

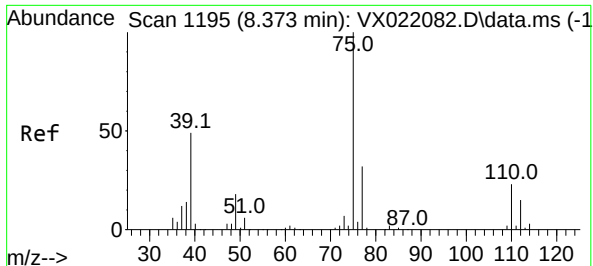
Tgt Ion: 98 Resp: 171531
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 35.66 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

Tgt Ion: 43 Resp: 54361
Ion Ratio Lower Upper
43 100
58 9.1 35.4 53.0#

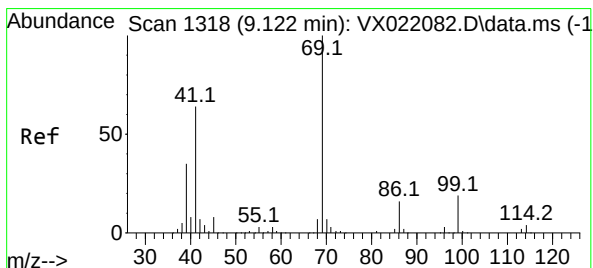
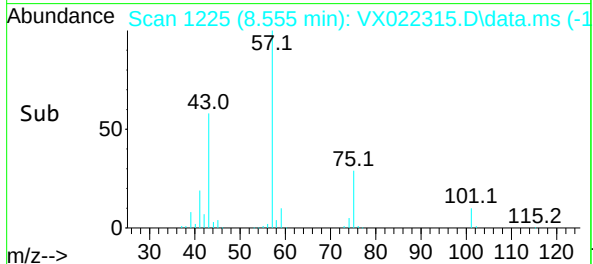
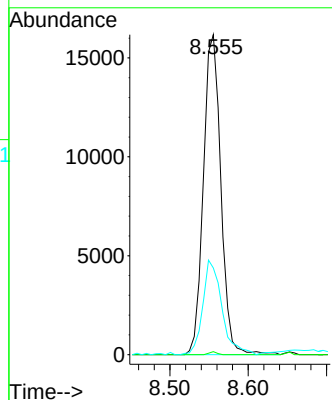
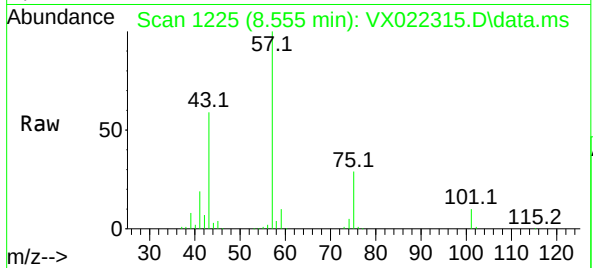




#54
cis-1,3-Dichloropropene
Concen: 14.92 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

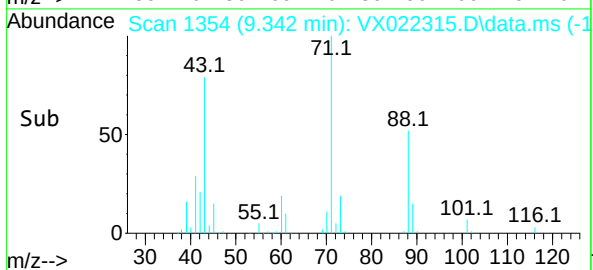
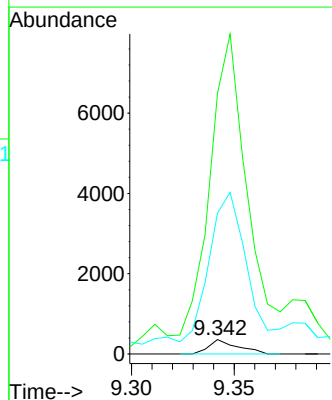
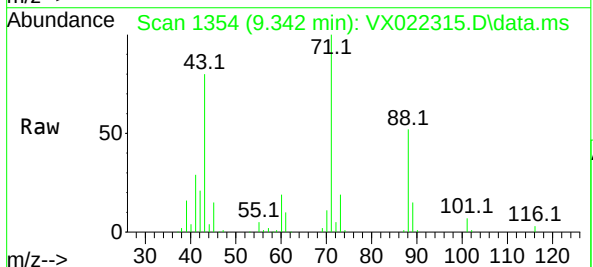
Instrument :
MSVOA_X
ClientSampleId :
PB136731ZHE#01

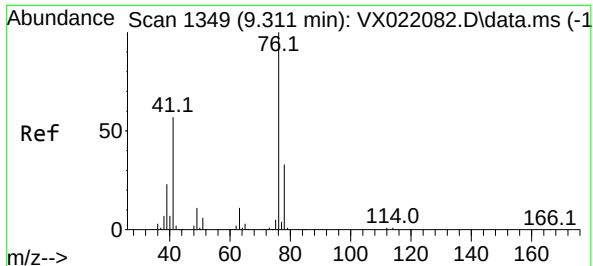
Tgt Ion: 75 Resp: 25039
Ion Ratio Lower Upper
75 100
77 1.0 25.7 38.5#
39 27.1 35.1 52.7#



#56
Ethyl methacrylate
Concen: 0.22 ug/l
RT: 9.342 min Scan# 1354
Delta R.T. 0.220 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

Tgt Ion: 69 Resp: 349
Ion Ratio Lower Upper
69 100
41 2964.2 46.8 70.2#
39 1660.7 24.7 37.1#





#57

1,3-Dichloropropane

Concen: 8.54 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX022315.D

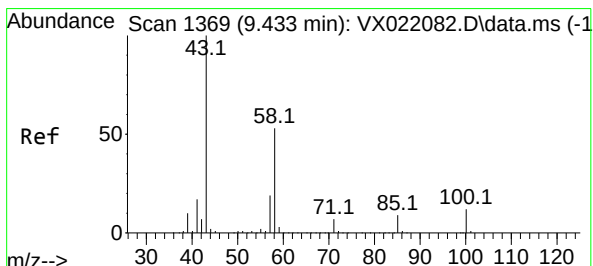
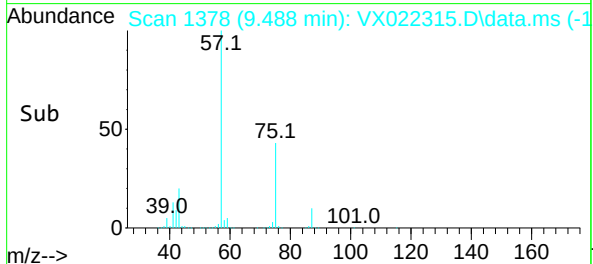
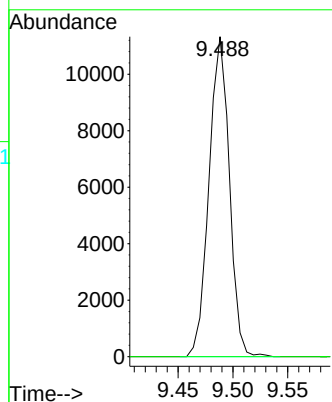
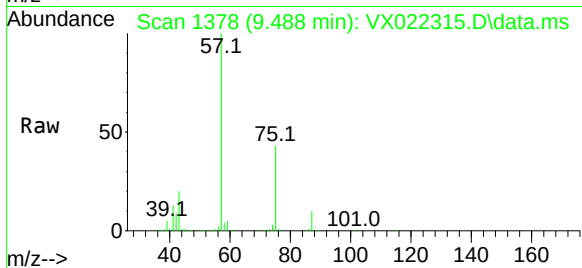
Acq: 02 Jun 2021 01:36

Tgt Ion: 76 Resp: 14633

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 172.70 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX022315.D

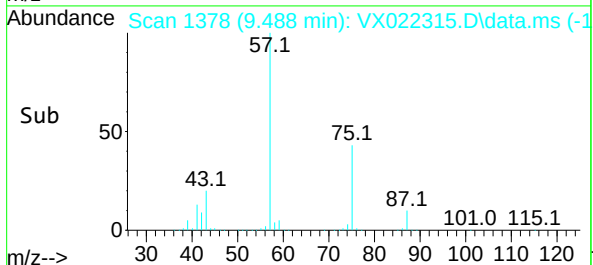
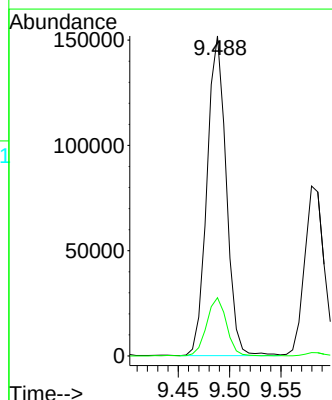
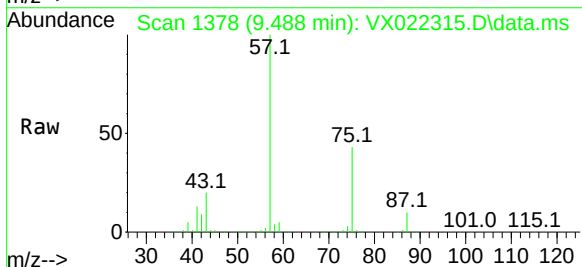
Acq: 02 Jun 2021 01:36

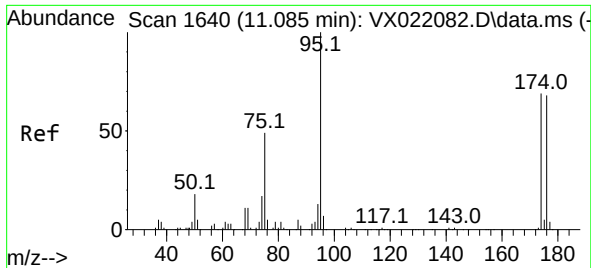
Tgt Ion: 43 Resp: 198004

Ion Ratio Lower Upper

43 100

58 18.8 30.9 92.8#

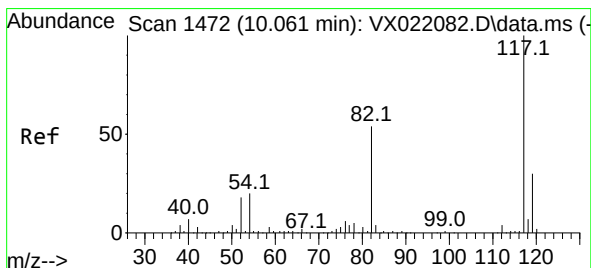
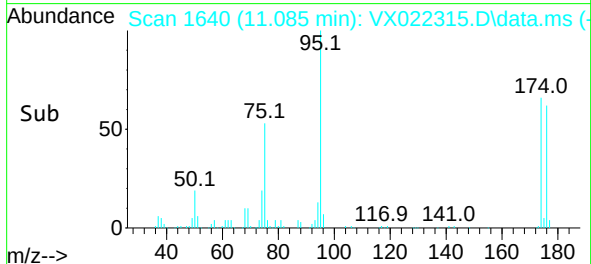
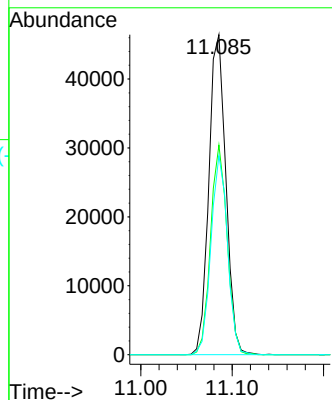
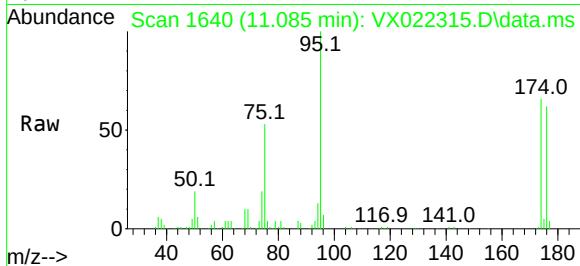




#62
4-Bromofluorobenzene
Concen: 48.37 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

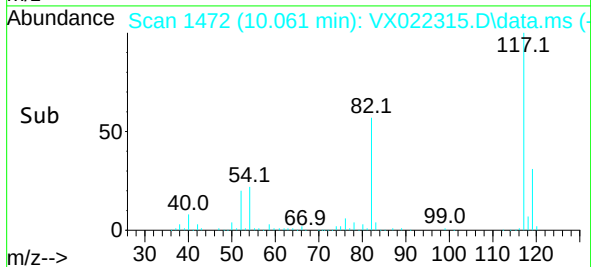
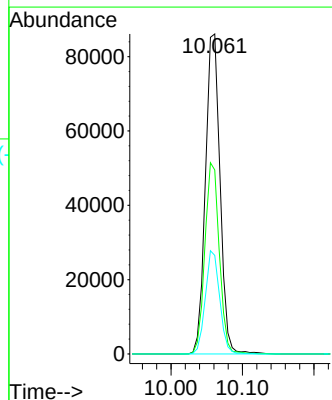
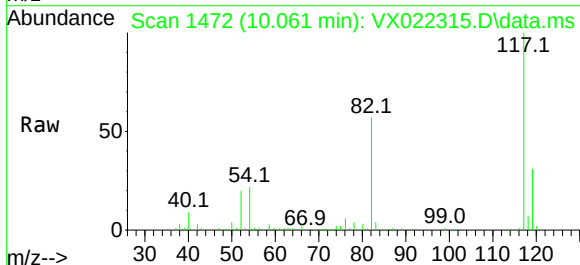
Instrument :
MSVOA_X
ClientSampleId :
PB136731ZHE#01

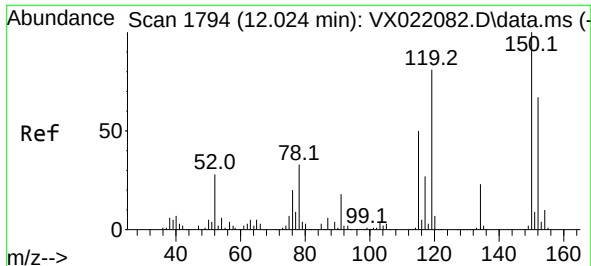
Tgt Ion:	95	Resp:	59941
Ion	Ratio	Lower	Upper
95	100		
174	63.8	0.0	154.6
176	60.5	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

Tgt Ion:	117	Resp:	122380
Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.4	71.2
119	30.8	26.6	39.8

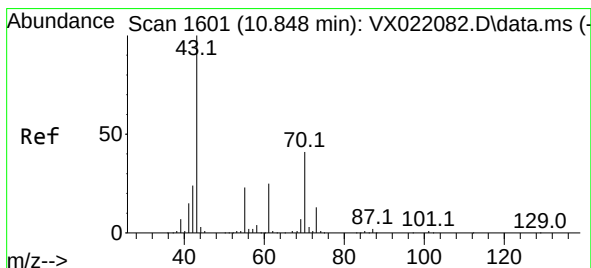
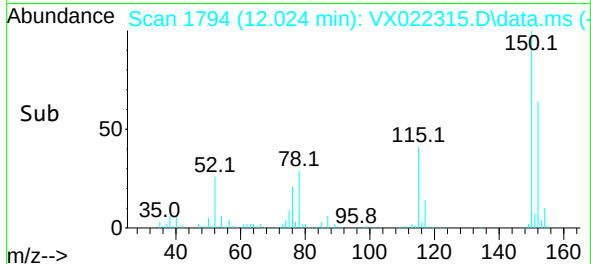
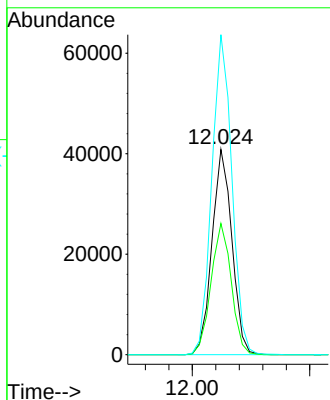
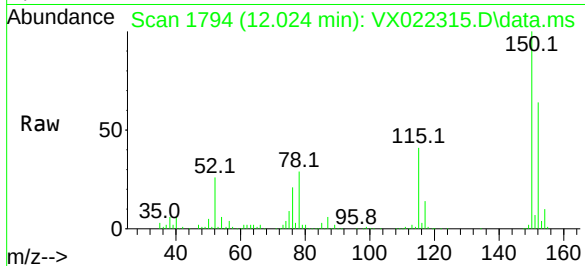




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX022315.D
 Acq: 02 Jun 2021 01:36

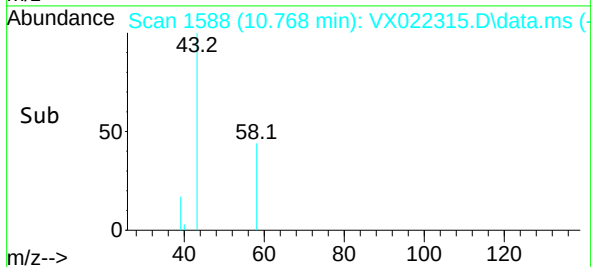
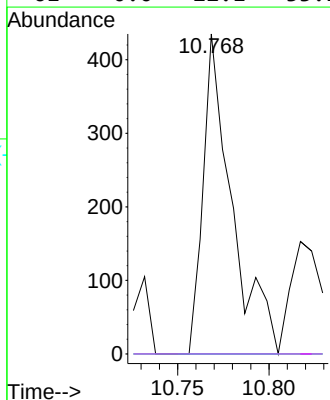
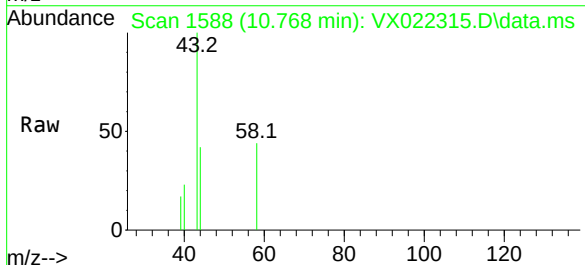
Instrument :
 MSVOA_X
 ClientSampleId :
 PB136731ZHE#01

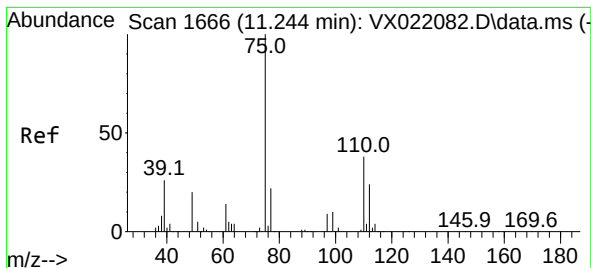
Tgt Ion:152 Resp: 48208
 Ion Ratio Lower Upper
 152 100
 115 64.9 41.1 123.3
 150 156.8 0.0 349.0



#74
 N-ethyl acetate
 Concen: 0.25 ug/l
 RT: 10.768 min Scan# 1588
 Delta R.T. -0.080 min
 Lab File: VX022315.D
 Acq: 02 Jun 2021 01:36

Tgt Ion: 43 Resp: 475
 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#

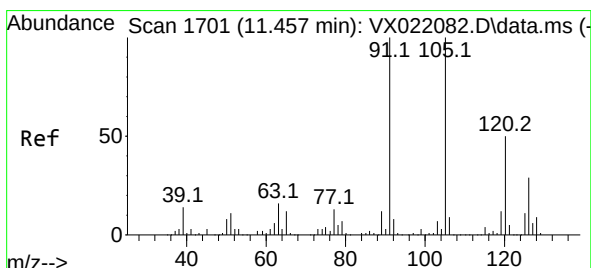
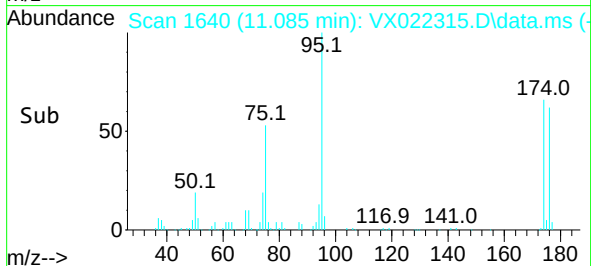
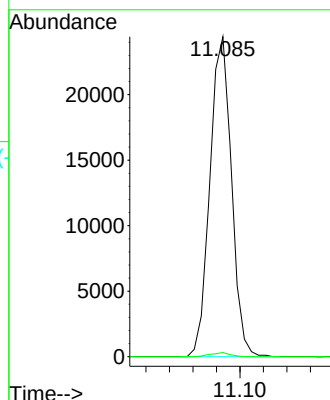
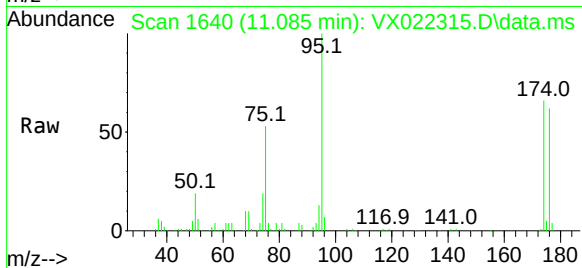




#76
1,2,3-Trichloropropane
Concen: 26.20 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

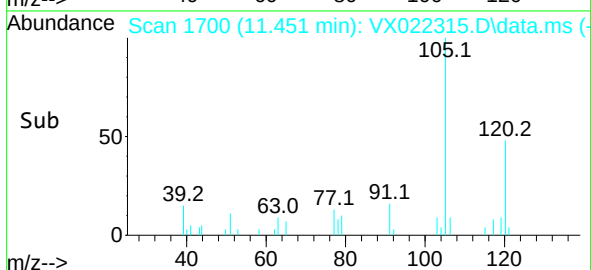
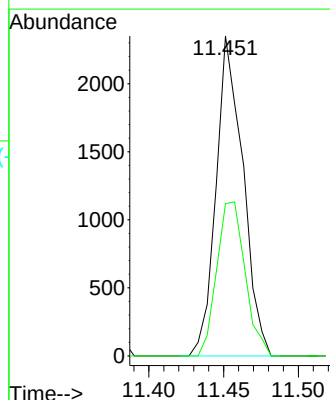
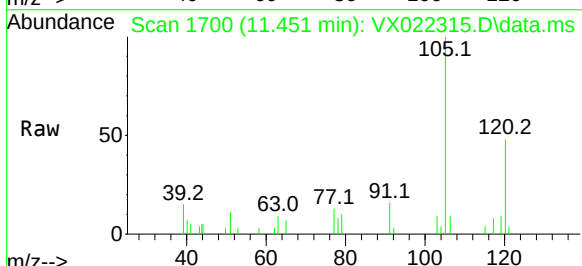
Instrument :
MSVOA_X
ClientSampleId :
PB136731ZHE#01

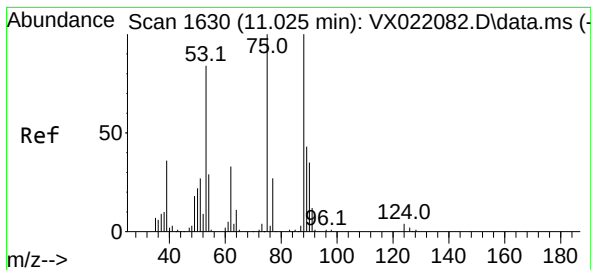
Tgt Ion: 75 Resp: 31164
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.87 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX022315.D
Acq: 02 Jun 2021 01:36

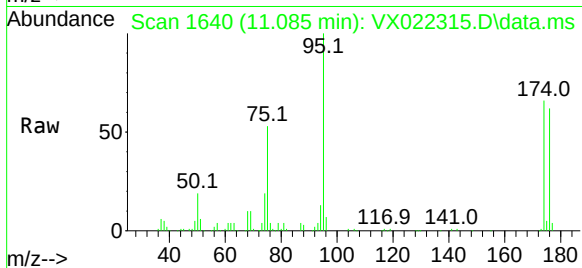
Tgt Ion: 105 Resp: 2934
Ion Ratio Lower Upper
105 100
120 50.8 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.09 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX022315.D
 Acq: 02 Jun 2021 01:36

Instrument :
 MSVOA_X
 ClientSampleId :
 PB136731ZHE#01



Tgt Ion: 75 Resp: 31164
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.2 37.9 56.9#

