

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012521\
 Data File : VX020729.D
 Acq On : 25 Jan 2021 16:59
 Operator : JC/SP
 Sample : M1189-08 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 41051

Quant Time: Jan 26 03:09:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:38:15 2021
 Response via : Initial Calibration

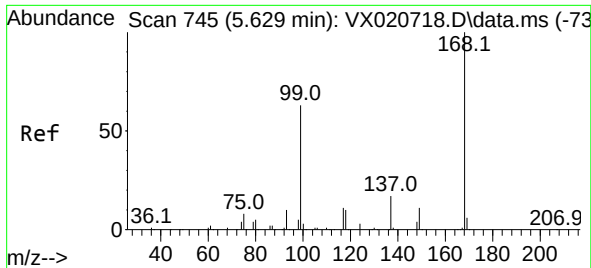
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.629	168	322288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	545746	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	531262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	242586	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	218026	49.60	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.20%		
35) Dibromofluoromethane	5.464	113	181884	48.66	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.32%		
50) Toluene-d8	8.696	98	686939	50.12	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.24%		
62) 4-Bromofluorobenzene	11.122	95	256740	48.24	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.48%		
Target Compounds						Qvalue
5) Bromomethane	1.630	94	734	0.34	ug/l #	56
10) Methyl Iodide	2.495	142	909	0.21	ug/l #	92
11) Tert butyl alcohol	2.995	59	4033	4.91	ug/l #	73
13) Acrolein	2.245	56	918	1.48	ug/l #	1
14) Allyl chloride	2.684	41	1426	0.25	ug/l #	47
16) Acetone	2.422	43	32099	19.26	ug/l	98
17) Carbon Disulfide	2.556	76	1461	1.04	ug/l	97
18) Methyl Acetate	2.752	43	1171	0.27	ug/l #	78
19) Methyl tert-butyl Ether	3.166	73	6835	0.59	ug/l #	89
20) Methylene Chloride	2.837	84	1224	0.29	ug/l	92
22) Diisopropyl ether	3.824	45	4448	0.39	ug/l #	94
23) Vinyl Acetate	3.824	43	2689	0.29	ug/l #	68
25) 2-Butanone	4.641	43	8833	3.38	ug/l	99
29) Tetrahydrofuran	5.105	42	654	0.39	ug/l #	42
31) Cyclohexane	5.544	56	2543	0.43	ug/l #	84
36) 1,1-Dichloropropene	5.623	75	25581	4.67	ug/l #	48
37) Ethyl Acetate	4.794	43	33711	6.49	ug/l	98
38) Carbon Tetrachloride	5.629	117	32852	5.70	ug/l #	17
40) Benzene	6.111	78	186014	11.53	ug/l	98
52) Toluene	8.763	92	219486	21.64	ug/l	98
56) Ethyl methacrylate	8.903	69	22	2.79	ug/l #	29
67) Ethyl Benzene	10.232	91	21442	1.08	ug/l	99
68) m/p-Xylenes	10.336	106	28666	3.86	ug/l	98
69) o-Xylene	10.683	106	13593	1.94	ug/l	92
74) N-amyl acetate	10.884	43	67	2.02	ug/l #	38
76) 1,2,3-Trichloropropane	11.122	75	126111	22.41	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	126111	62.81	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.786	105	9815	0.65	ug/l	100
95) Naphthalene	13.817	128	4652	3.11	ug/l #	92

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

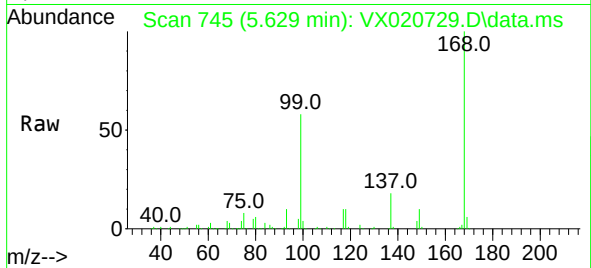
Quant Time: Jan 26 03:09:26 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 25 13:38:15 2021
Response via : Initial Calibration



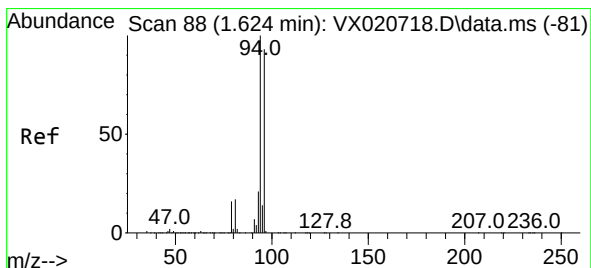
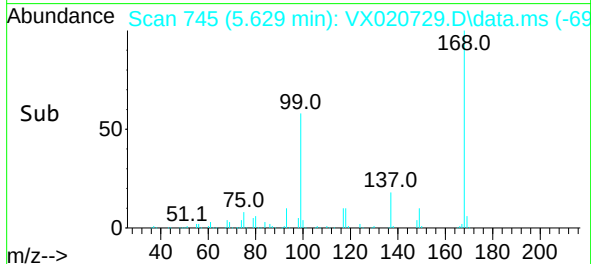
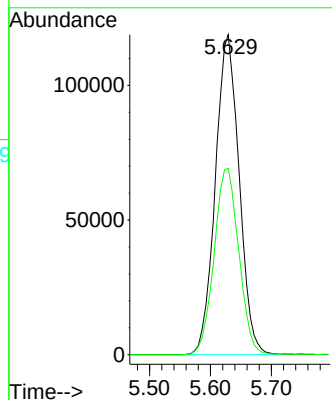


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

Instrument :
MSVOA_X
ClientSampleId :
41051

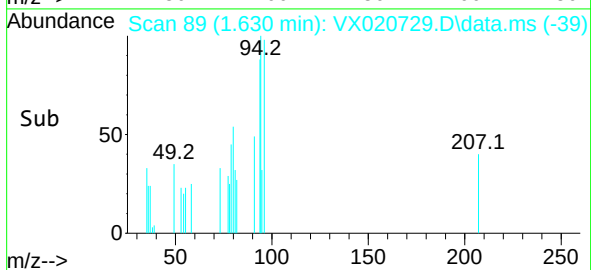
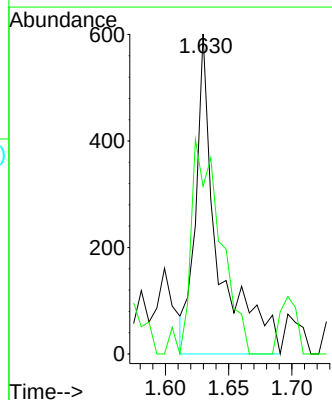
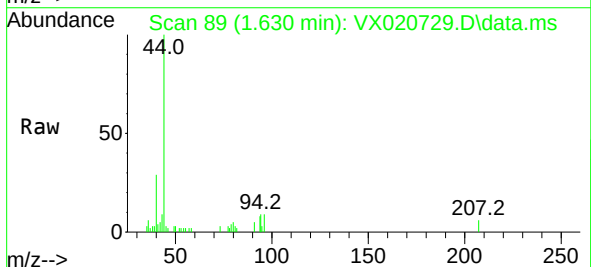


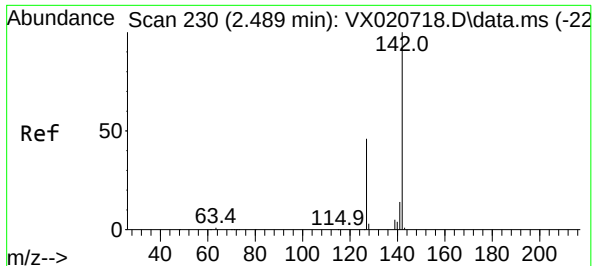
Tgt Ion: 168 Resp: 322288
Ion Ratio Lower Upper
168 100
99 58.2 45.8 68.6



#5
Bromomethane
Concen: 0.34 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

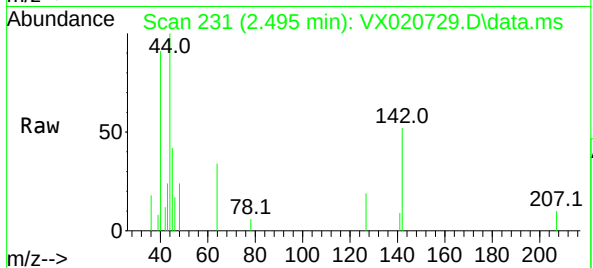
Tgt Ion: 94 Resp: 734
Ion Ratio Lower Upper
94 100
96 52.4 76.4 114.6#



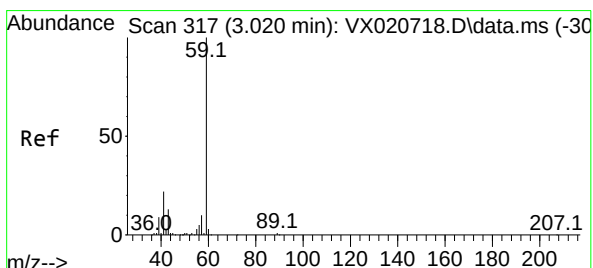
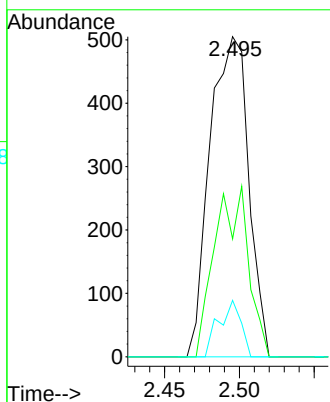
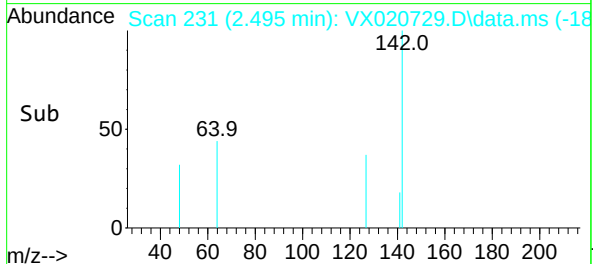


#10
Methyl Iodide
Concen: 0.21 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

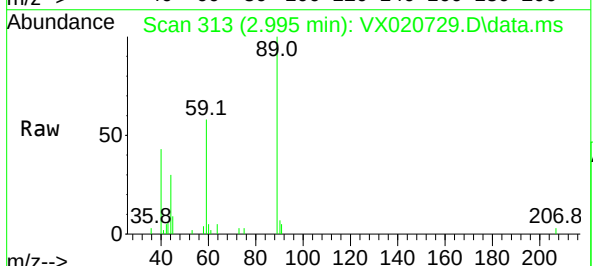
Instrument :
MSVOA_X
ClientSampled :
41051



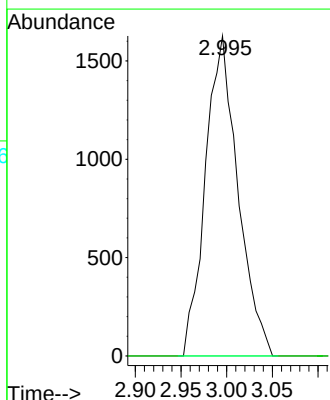
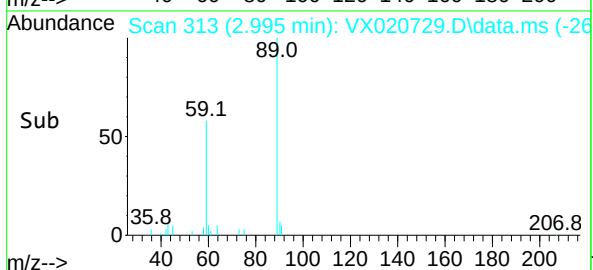
Tgt Ion:142 Resp: 909
Ion Ratio Lower Upper
142 100
127 46.0 33.3 49.9
141 10.1 11.4 17.0#

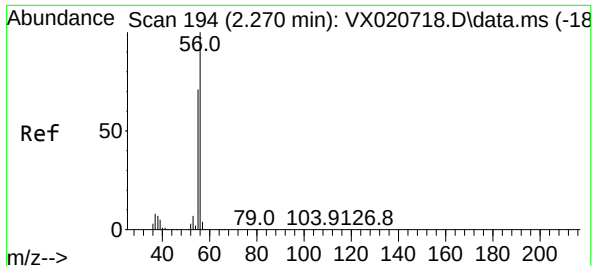


#11
Tert butyl alcohol
Concen: 4.91 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.025 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59



Tgt Ion: 59 Resp: 4033
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

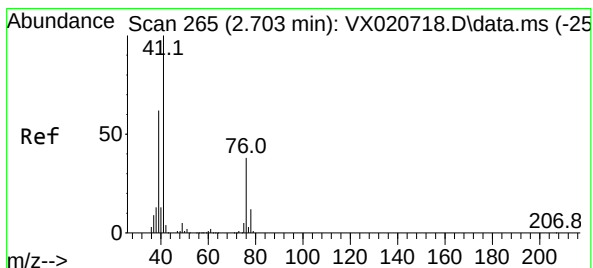
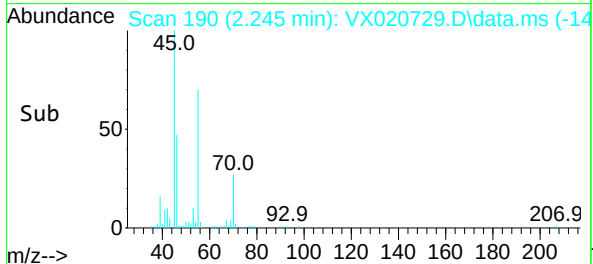
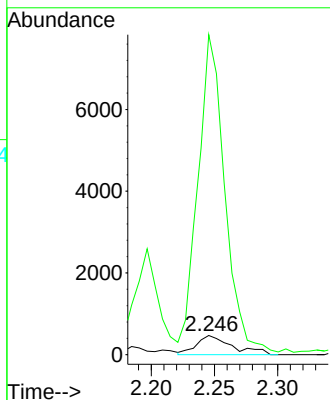
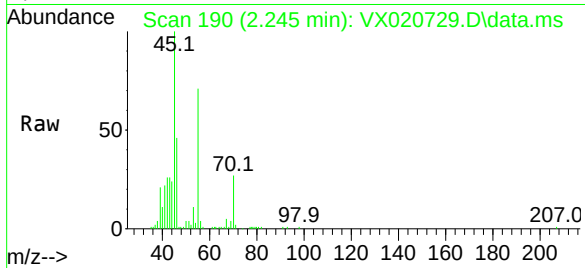




#13
Acrolein
Concen: 1.48 ug/l
RT: 2.245 min Scan# 190
Delta R.T. -0.025 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

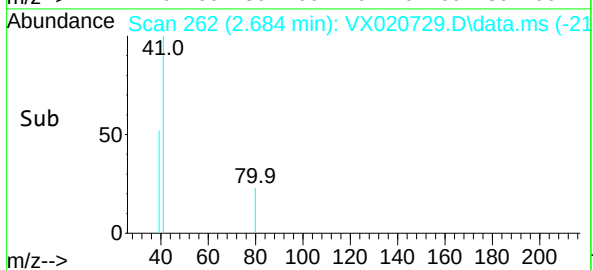
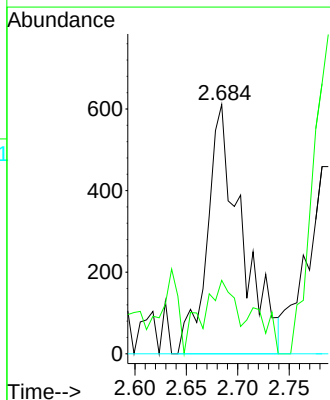
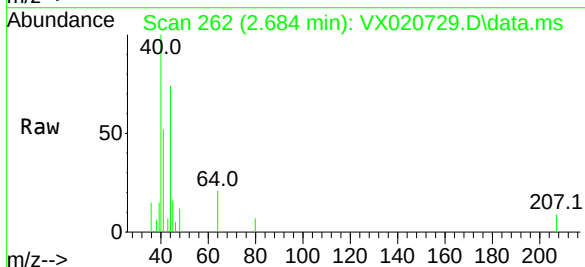
Instrument :
MSVOA_X
ClientSampled :
41051

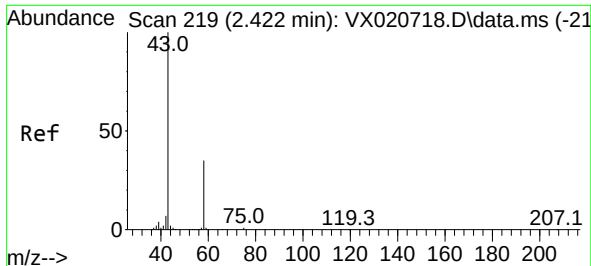
Tgt Ion: 56 Resp: 918
Ion Ratio Lower Upper
56 100
55 1247.4 56.4 84.6#



#14
Allyl chloride
Concen: 0.25 ug/l
RT: 2.684 min Scan# 262
Delta R.T. -0.019 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

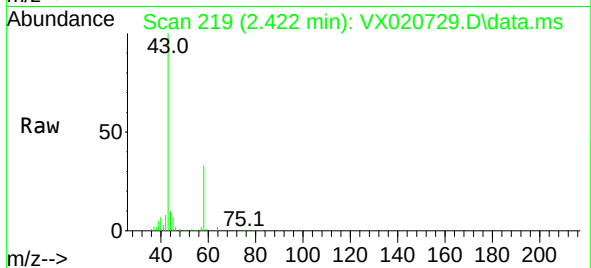
Tgt Ion: 41 Resp: 1426
Ion Ratio Lower Upper
41 100
39 27.6 51.6 77.4#
76 0.0 30.5 45.7#



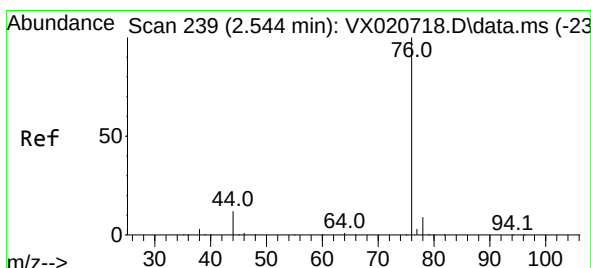
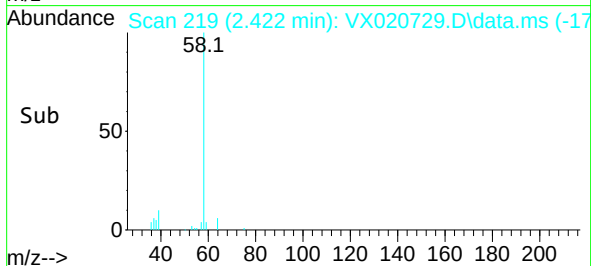
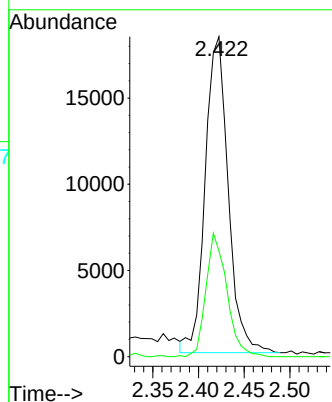


#16
Acetone
Concen: 19.26 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.000 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

Instrument :
MSVOA_X
ClientSampled :
41051

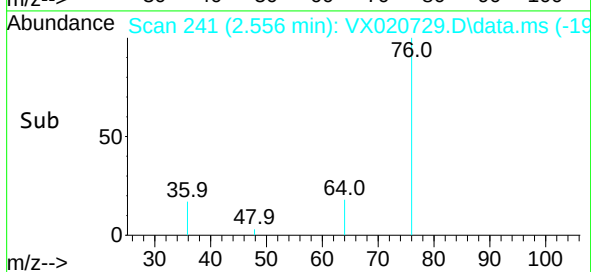
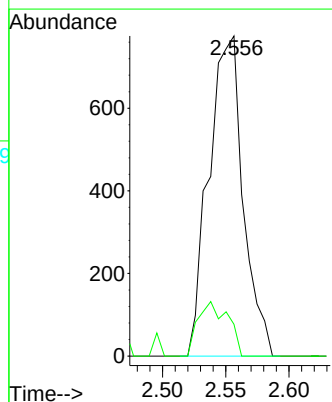
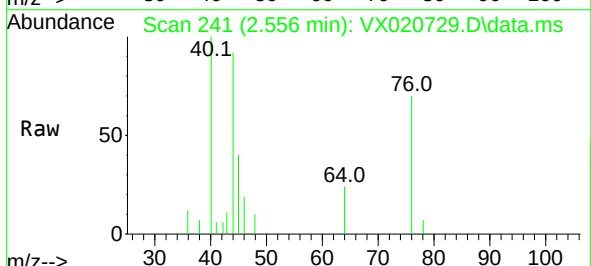


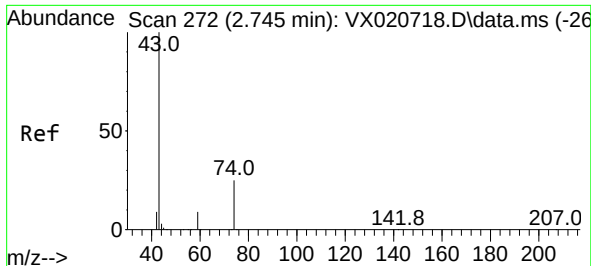
Tgt Ion: 43 Resp: 32099
Ion Ratio Lower Upper
43 100
58 33.5 27.8 41.8



#17
Carbon Disulfide
Concen: 1.04 ug/l
RT: 2.556 min Scan# 241
Delta R.T. 0.012 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

Tgt Ion: 76 Resp: 1461
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8

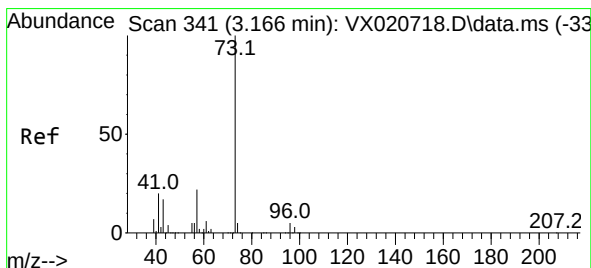
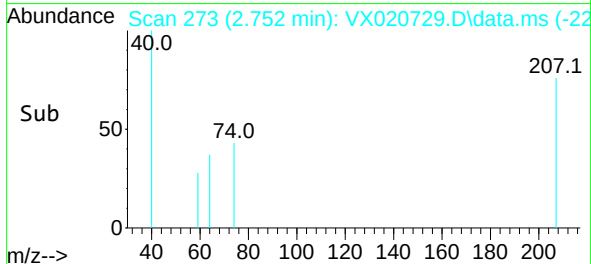
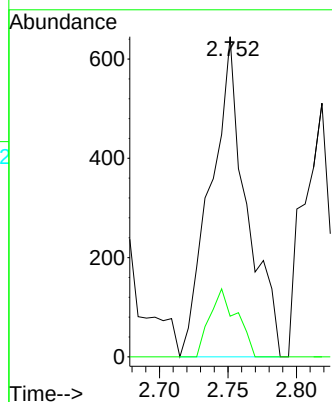
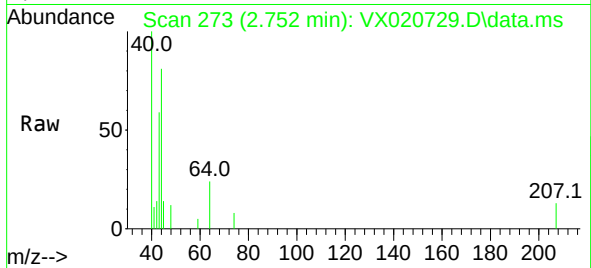




#18
Methyl Acetate
Concen: 0.27 ug/l
RT: 2.752 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

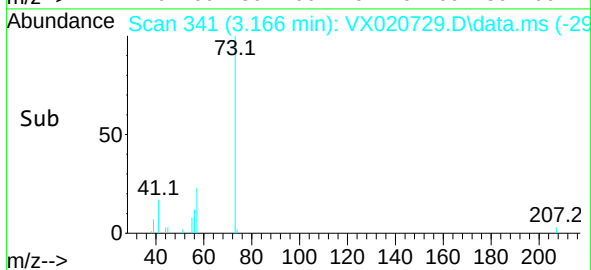
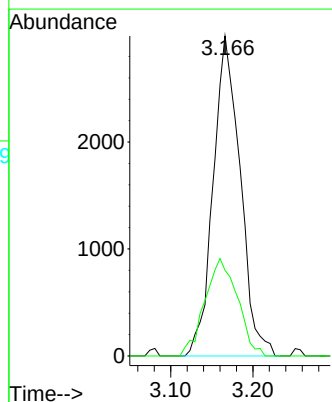
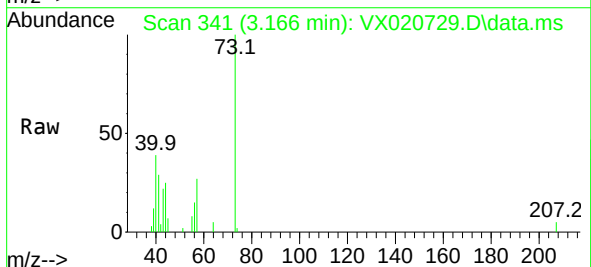
Instrument :
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ClientSampleId :
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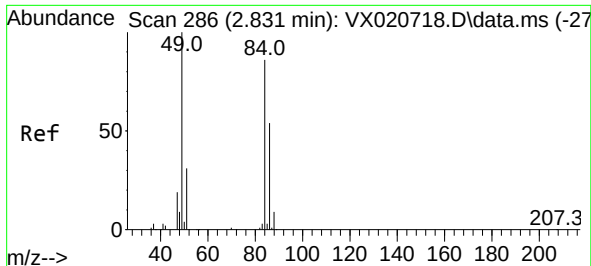
Tgt Ion: 43 Resp: 1171
Ion Ratio Lower Upper
43 100
74 16.1 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 0.59 ug/l
RT: 3.166 min Scan# 341
Delta R.T. 0.000 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

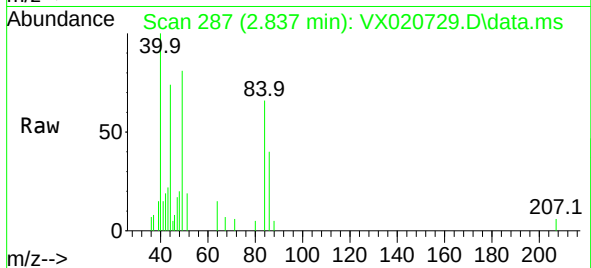
Tgt Ion: 73 Resp: 6835
Ion Ratio Lower Upper
73 100
57 26.8 17.1 25.7#





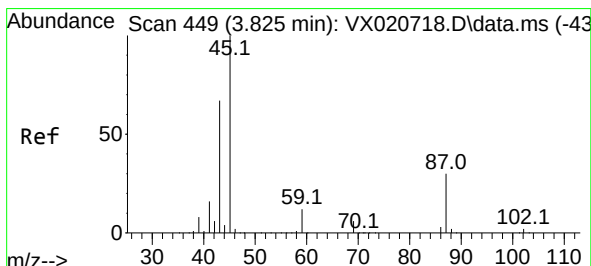
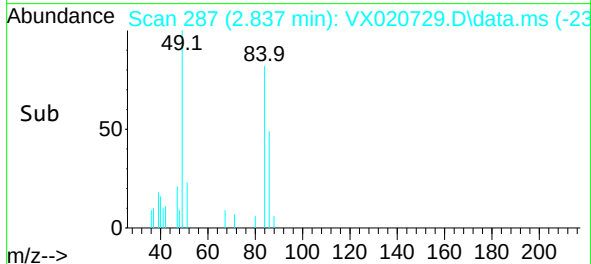
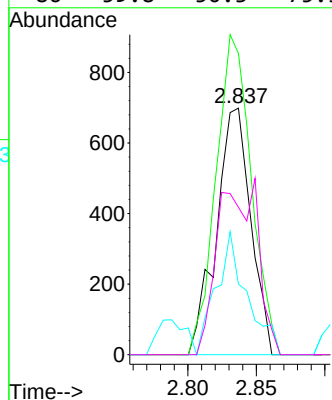
#20
Methylene Chloride
Concen: 0.29 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

Instrument :
MSVOA_X
ClientSampled :
41051



Tgt Ion: 84 Resp: 1224

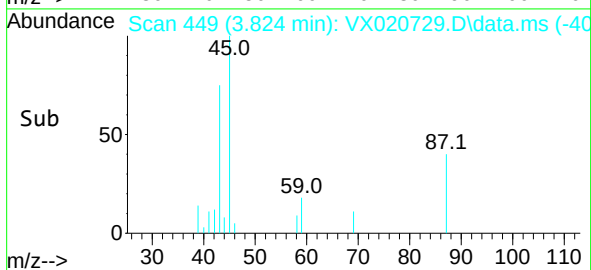
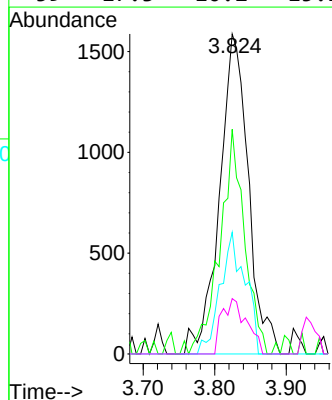
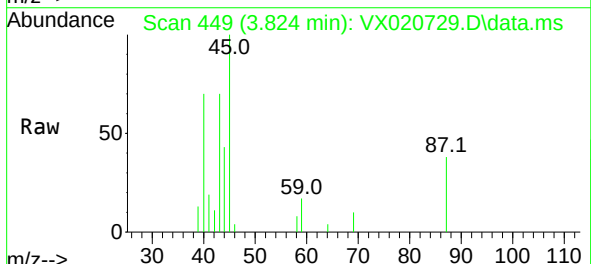
Ion	Ratio	Lower	Upper
84	100		
49	122.2	88.6	132.8
51	28.6	27.0	40.6
86	59.8	50.3	75.5

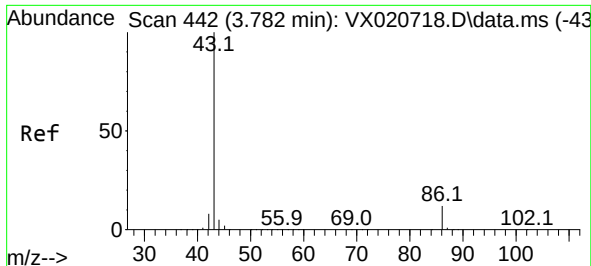


#22
Diisopropyl ether
Concen: 0.39 ug/l
RT: 3.824 min Scan# 449
Delta R.T. -0.001 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

Tgt Ion: 45 Resp: 4448

Ion	Ratio	Lower	Upper
45	100		
43	70.2	58.0	87.0
87	38.0	25.4	38.0
59	17.3	10.2	15.2

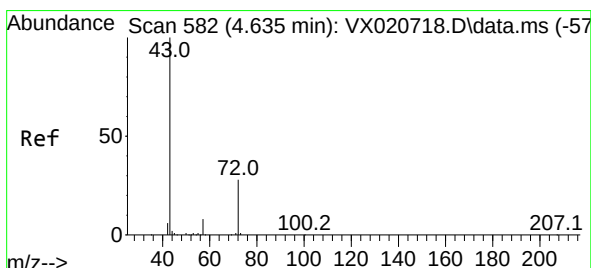
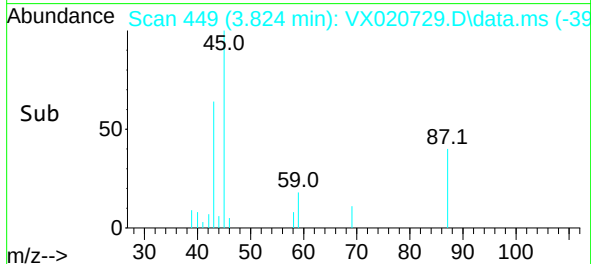
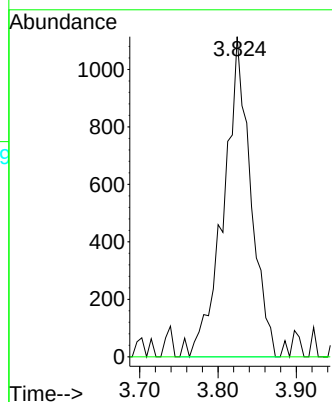
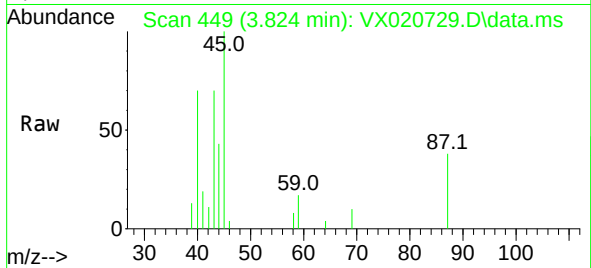




#23
 Vinyl Acetate
 Concen: 0.29 ug/l
 RT: 3.824 min Scan# 449
 Delta R.T. 0.042 min
 Lab File: VX020729.D
 Acq: 25 Jan 2021 16:59

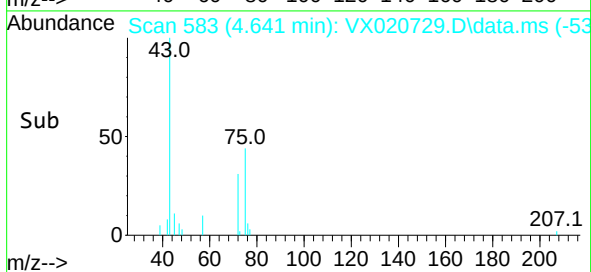
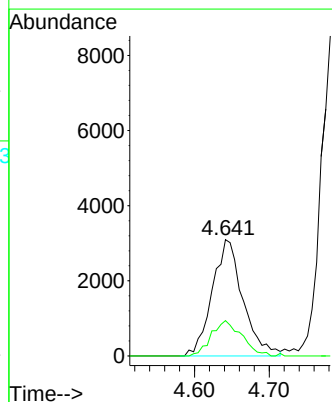
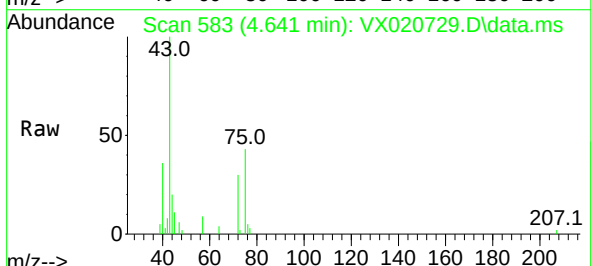
Instrument :
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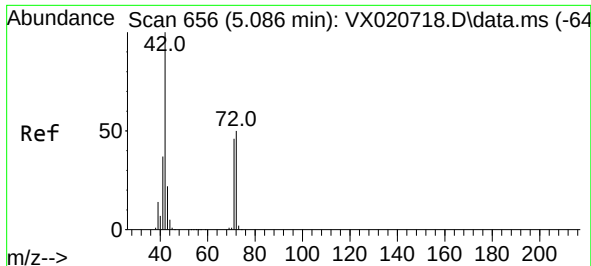
Tgt Ion: 43 Resp: 2689
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#25
 2-Butanone
 Concen: 3.38 ug/l
 RT: 4.641 min Scan# 583
 Delta R.T. 0.006 min
 Lab File: VX020729.D
 Acq: 25 Jan 2021 16:59

Tgt Ion: 43 Resp: 8833
 Ion Ratio Lower Upper
 43 100
 72 30.3 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.39 ug/l

RT: 5.105 min Scan# 659

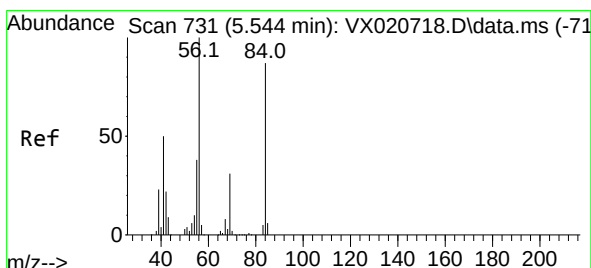
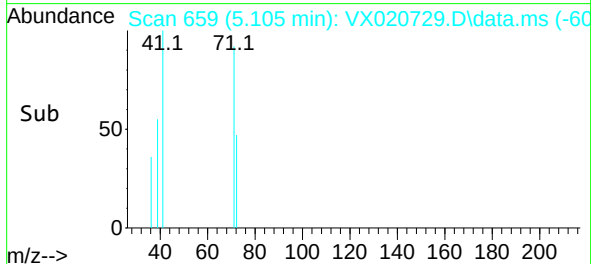
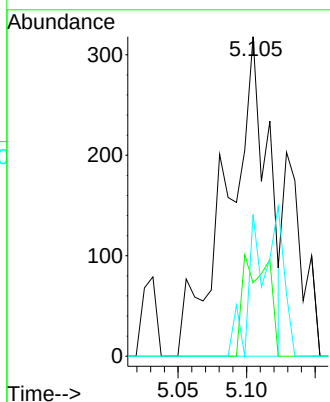
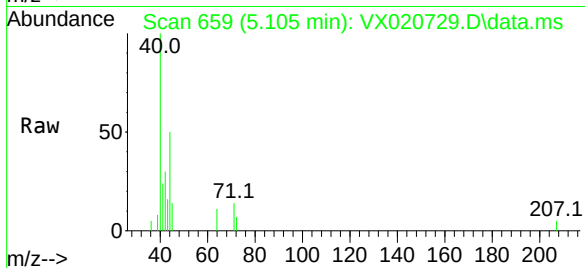
Delta R.T. 0.019 min

Lab File: VX020729.D

Acq: 25 Jan 2021 16:59

Instrument :
MSVOA_X
ClientSampleId :
41051

Tgt Ion:	42	Resp:	654
Ion	Ratio	Lower	Upper
42	100		
72	19.7	41.7	62.5#
71	0.0	38.4	57.6#



#31

Cyclohexane

Concen: 0.43 ug/l

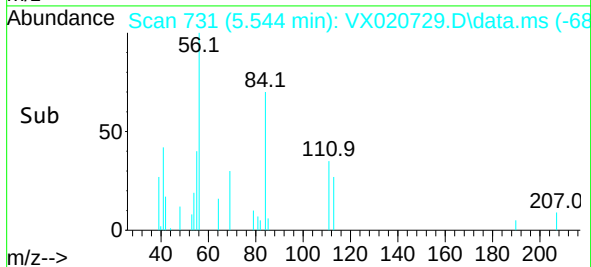
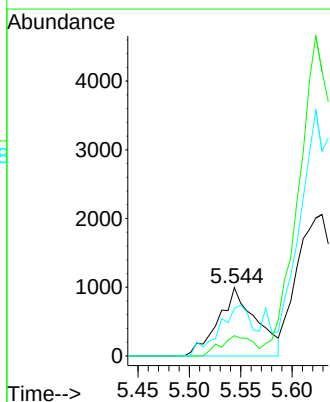
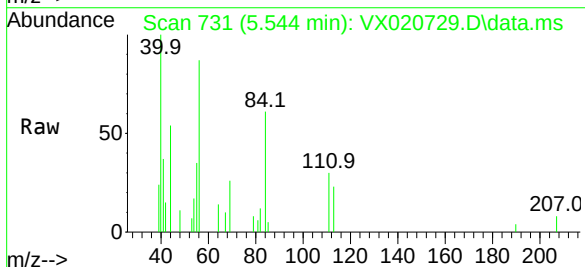
RT: 5.544 min Scan# 731

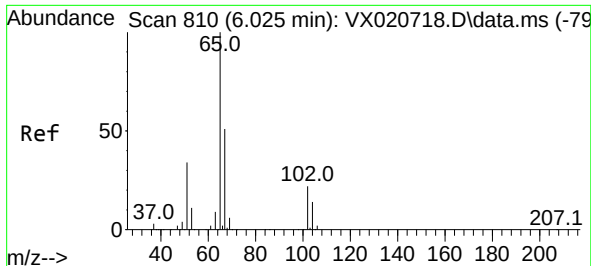
Delta R.T. -0.000 min

Lab File: VX020729.D

Acq: 25 Jan 2021 16:59

Tgt Ion:	56	Resp:	2543
Ion	Ratio	Lower	Upper
56	100		
69	29.8	25.3	37.9
84	69.7	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.60 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020729.D

Acq: 25 Jan 2021 16:59

Tgt Ion: 65 Resp: 218026

Ion Ratio Lower Upper

65 100

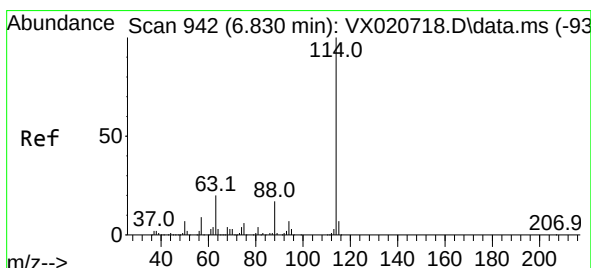
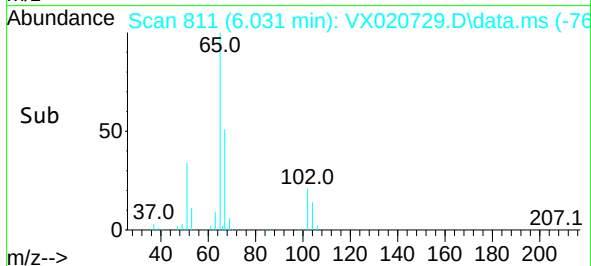
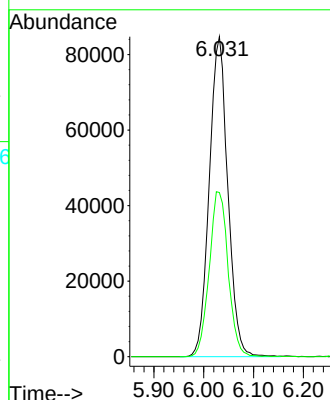
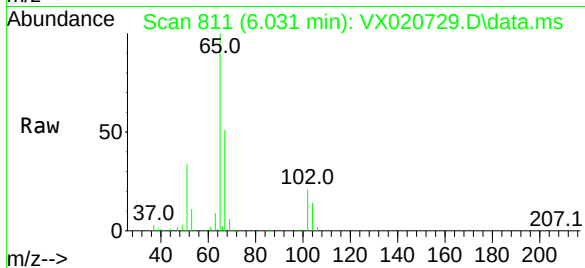
67 52.8 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

41051



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.000 min

Lab File: VX020729.D

Acq: 25 Jan 2021 16:59

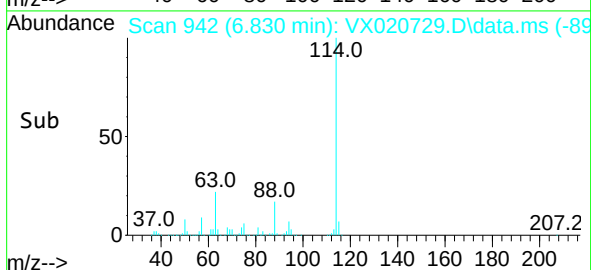
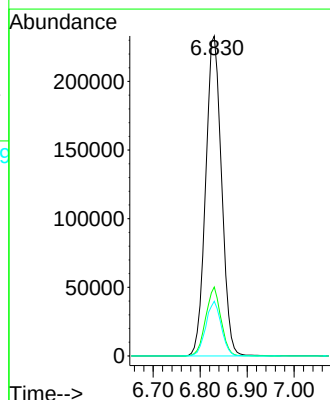
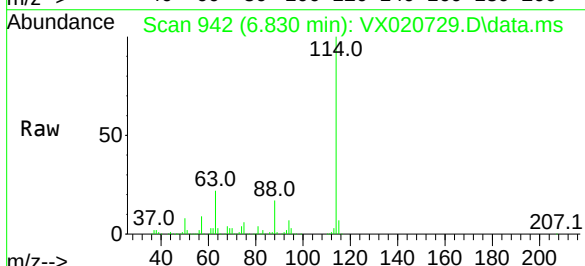
Tgt Ion: 114 Resp: 545746

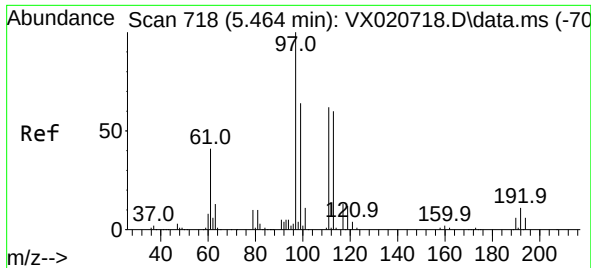
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.8

88 17.1 0.0 32.8

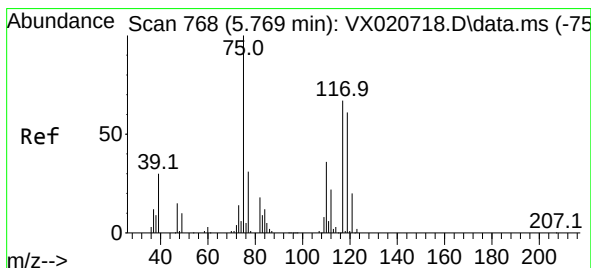
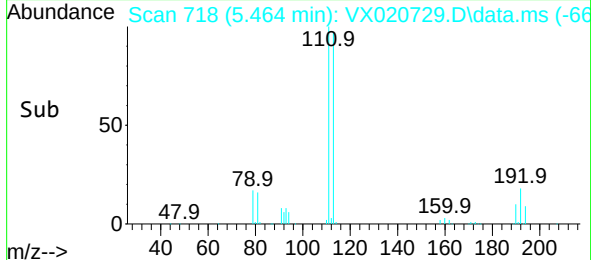
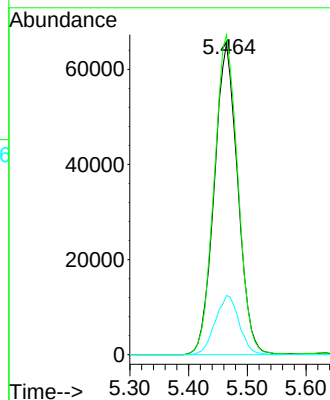
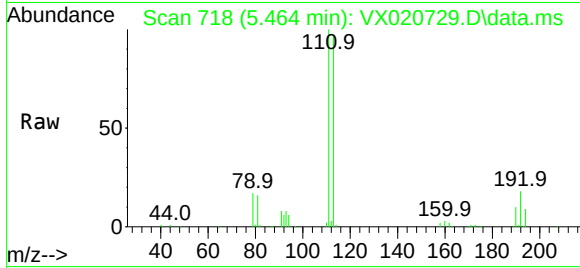




#35
Dibromofluoromethane
Concen: 48.66 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

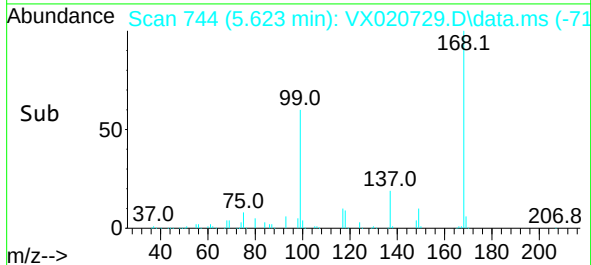
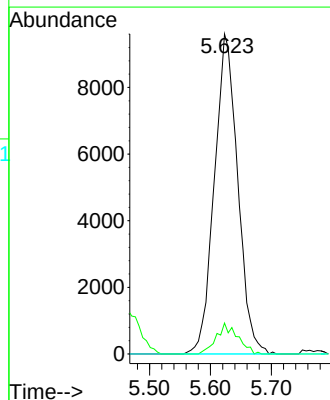
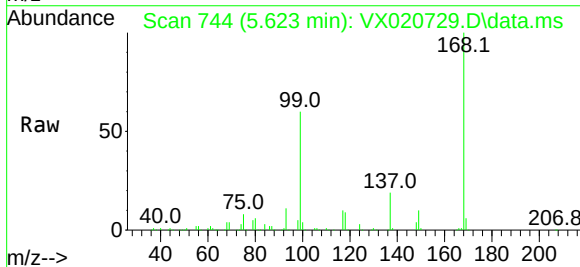
Instrument :
MSVOA_X
ClientSampleId :
41051

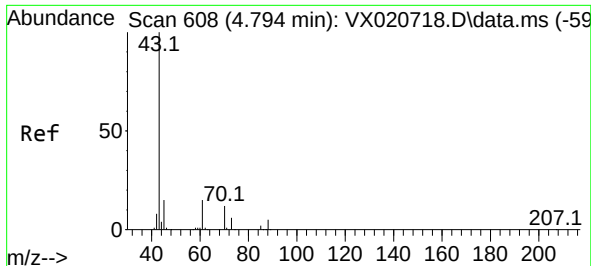
Tgt Ion:113 Resp: 181884
Ion Ratio Lower Upper
113 100
111 103.5 81.9 122.9
192 19.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.67 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

Tgt Ion: 75 Resp: 25581
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 6.49 ug/l

RT: 4.794 min Scan# 608

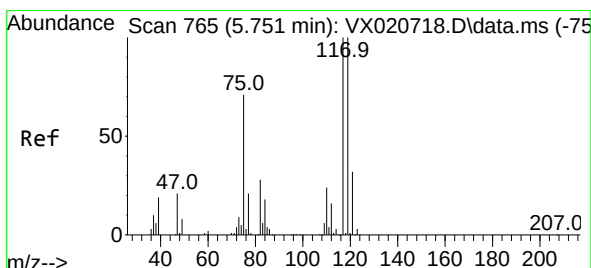
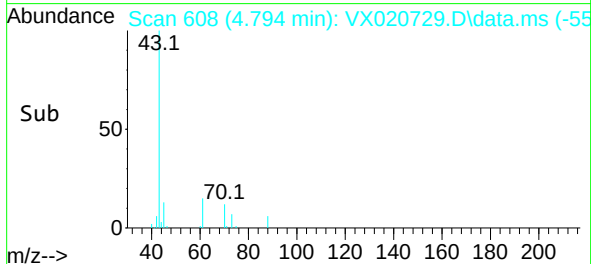
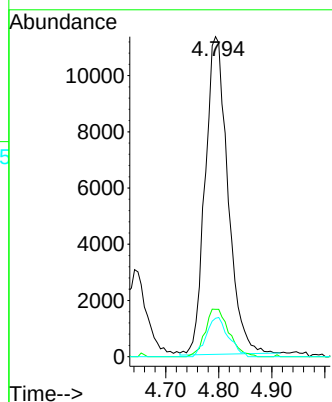
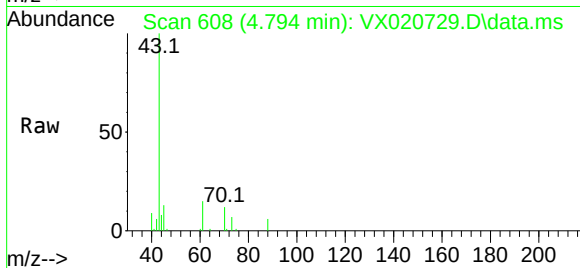
Delta R.T. -0.000 min

Lab File: VX020729.D

Acq: 25 Jan 2021 16:59

Instrument :
MSVOA_X
ClientSampleId :
41051

Tgt Ion:	43	Resp:	33711
Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.8	19.2
70	11.9	10.5	15.7



#38

Carbon Tetrachloride

Concen: 5.70 ug/l

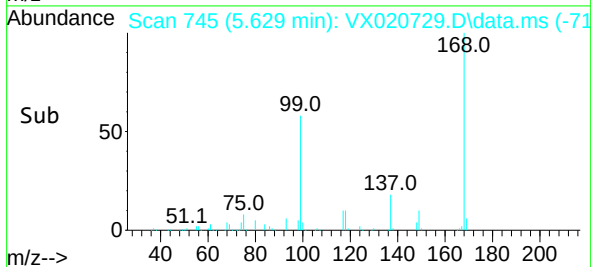
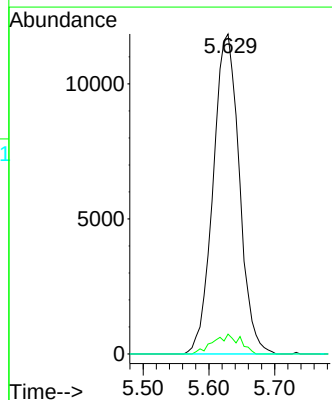
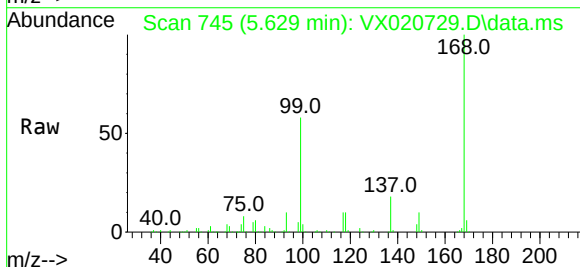
RT: 5.629 min Scan# 745

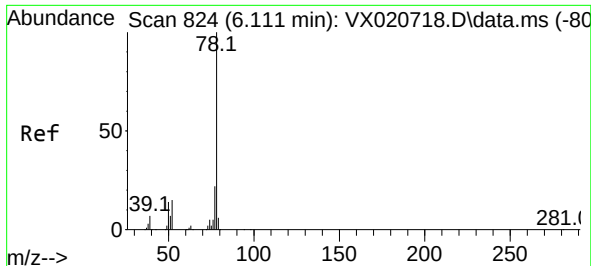
Delta R.T. -0.122 min

Lab File: VX020729.D

Acq: 25 Jan 2021 16:59

Tgt Ion:	117	Resp:	32852
Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.2	114.2#
121	0.0	24.8	37.2#

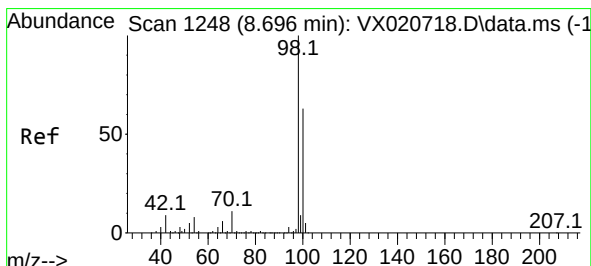
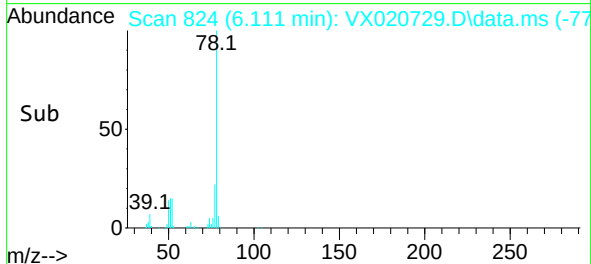
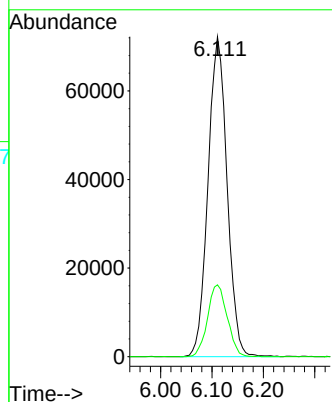
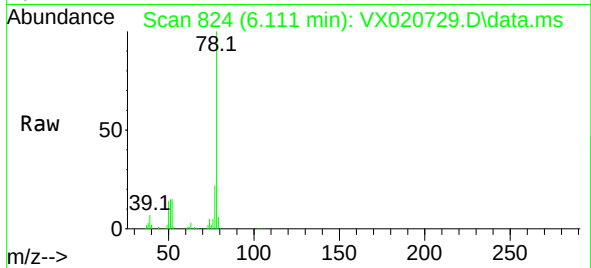




#40
Benzene
Concen: 11.53 ug/l
RT: 6.111 min Scan# 824
Delta R.T. -0.000 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

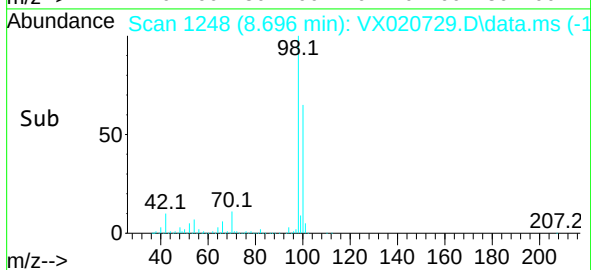
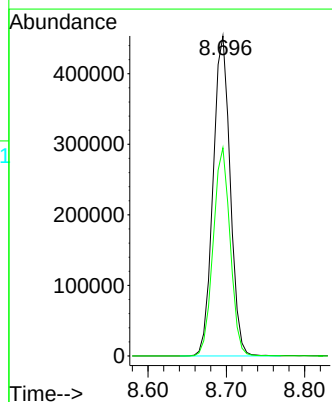
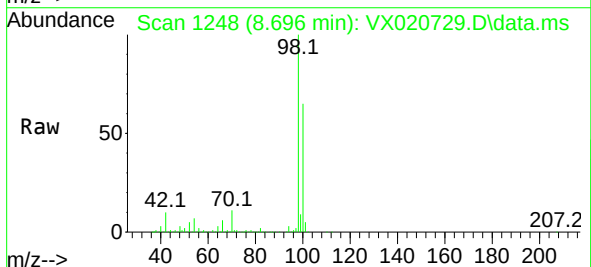
Instrument :
MSVOA_X
ClientSampled :
41051

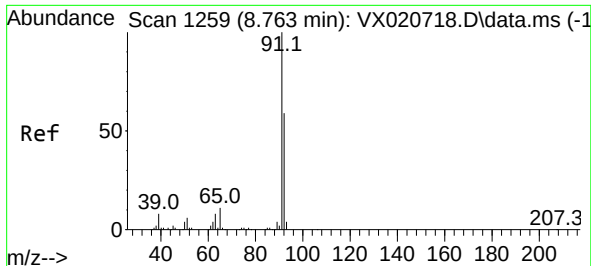
Tgt Ion: 78 Resp: 186014
Ion Ratio Lower Upper
78 100
77 22.5 18.9 28.3



#50
Toluene-d8
Concen: 50.12 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

Tgt Ion: 98 Resp: 686939
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9

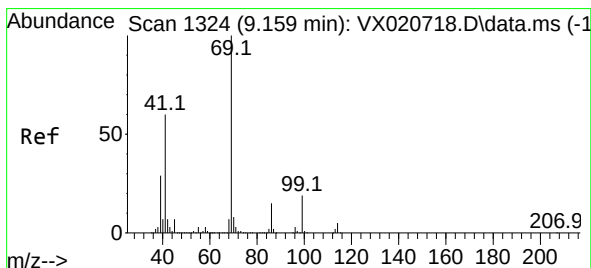
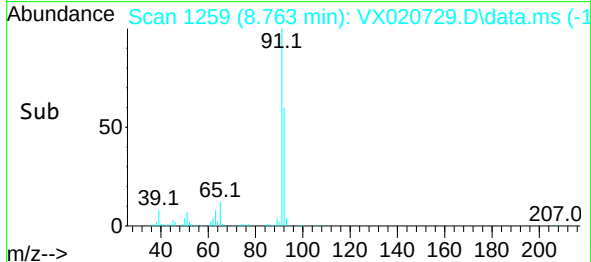
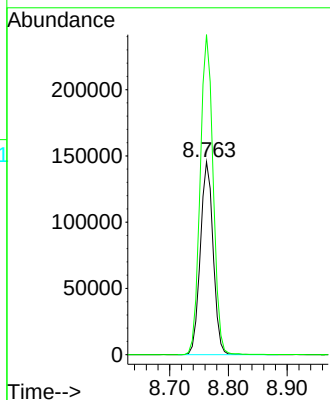
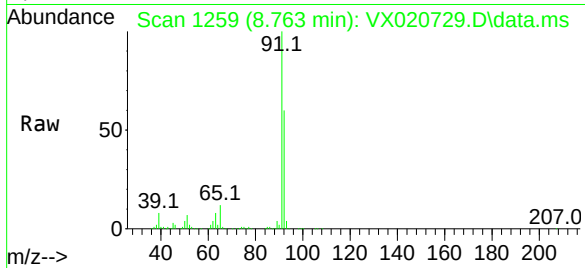




#52
Toluene
Concen: 21.64 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

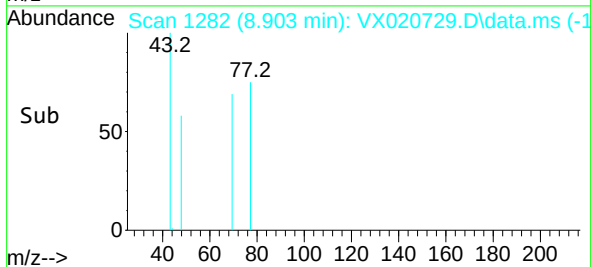
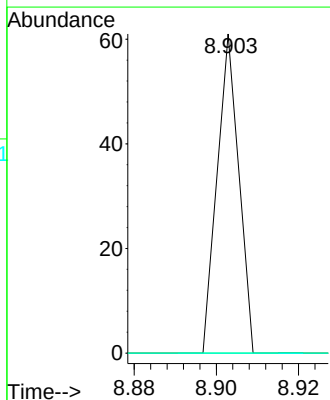
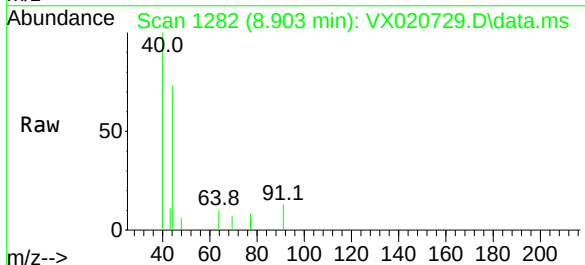
Instrument :
MSVOA_X
ClientSampled :
41051

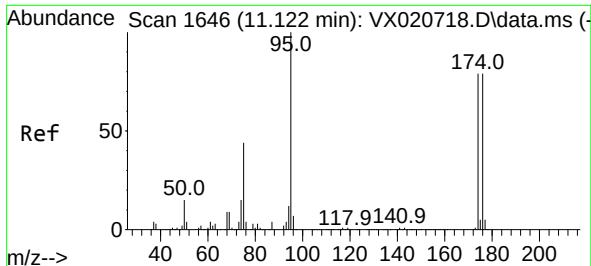
Tgt Ion: 92 Resp: 219486
Ion Ratio Lower Upper
92 100
91 168.3 137.1 205.7



#56
Ethyl methacrylate
Concen: 2.79 ug/l
RT: 8.903 min Scan# 1282
Delta R.T. -0.256 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

Tgt Ion: 69 Resp: 22
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#

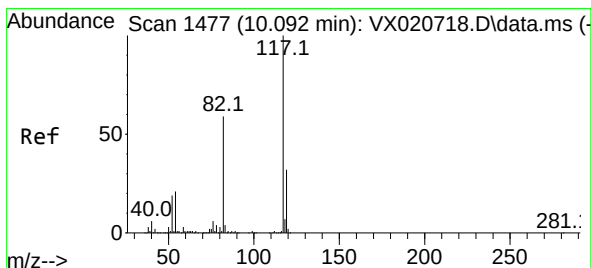
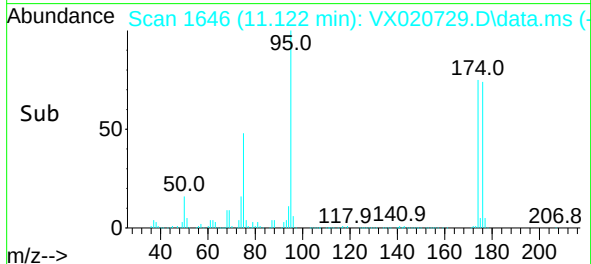
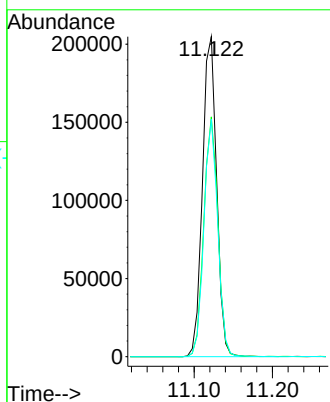
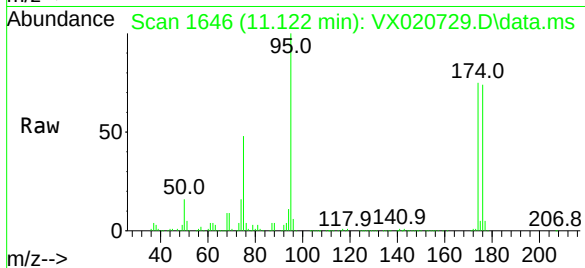




#62
4-Bromofluorobenzene
Concen: 48.24 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

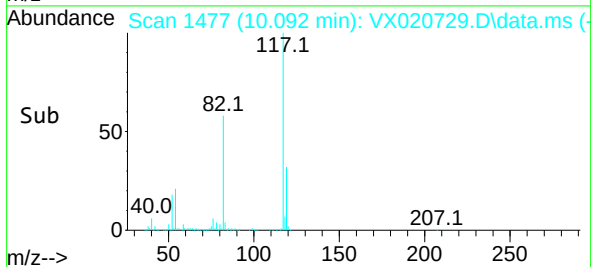
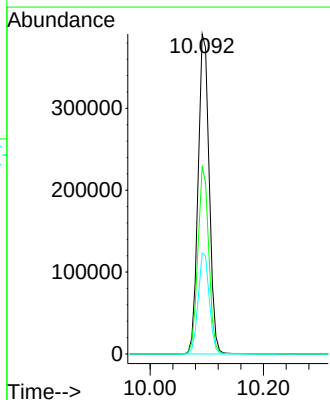
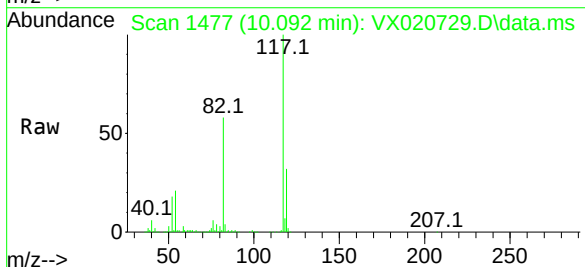
Instrument :
MSVOA_X
ClientSampleId :
41051

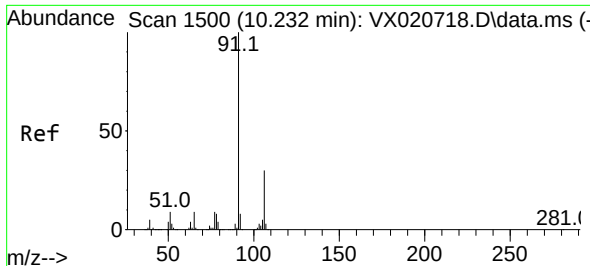
Tgt Ion: 95 Resp: 256740
Ion Ratio Lower Upper
95 100
174 74.5 0.0 154.6
176 72.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

Tgt Ion: 117 Resp: 531262
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 31.5 26.6 39.8

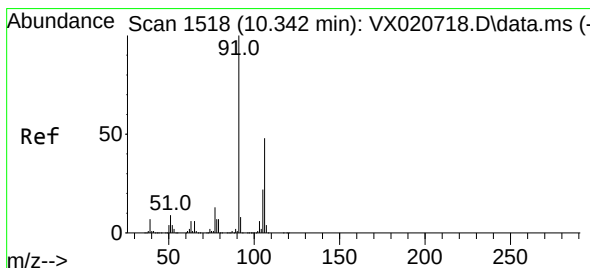
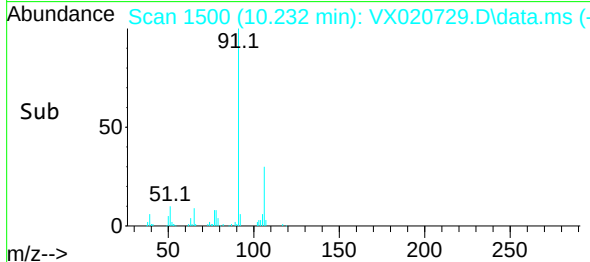
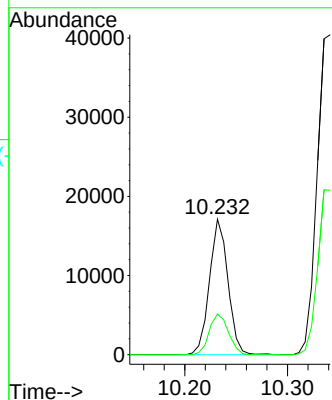
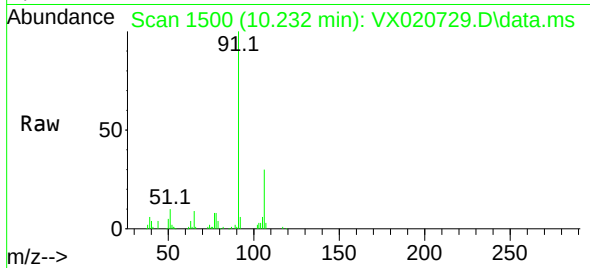




#67
Ethyl Benzene
Concen: 1.08 ug/l
RT: 10.232 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

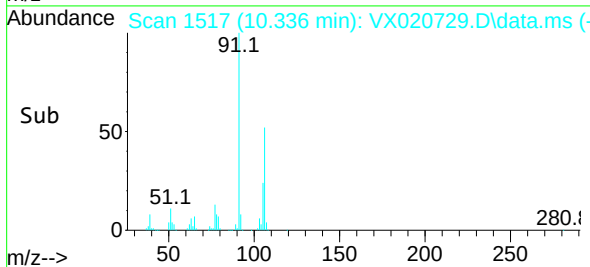
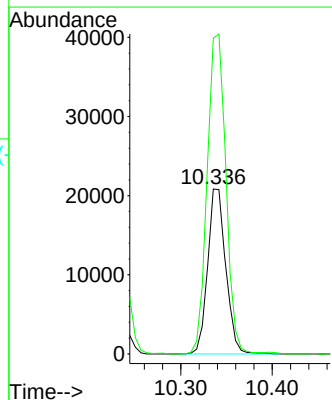
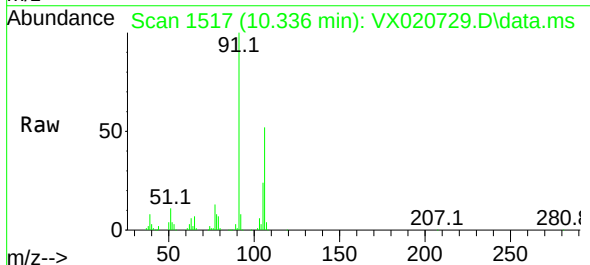
Instrument :
MSVOA_X
ClientSampleId :
41051

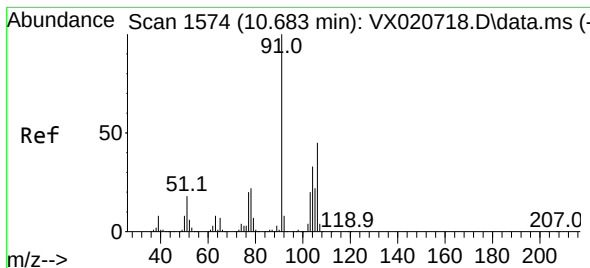
Tgt Ion: 91 Resp: 21442
Ion Ratio Lower Upper
91 100
106 30.1 24.6 37.0



#68
m/p-Xylenes
Concen: 3.86 ug/l
RT: 10.336 min Scan# 1517
Delta R.T. -0.007 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

Tgt Ion:106 Resp: 28666
Ion Ratio Lower Upper
106 100
91 201.1 162.8 244.2

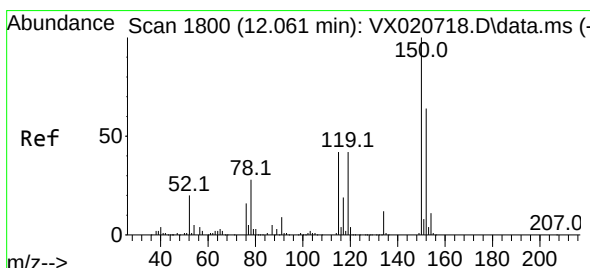
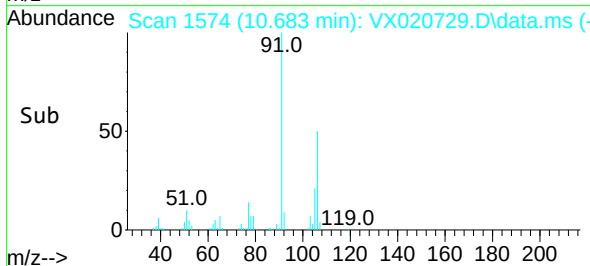
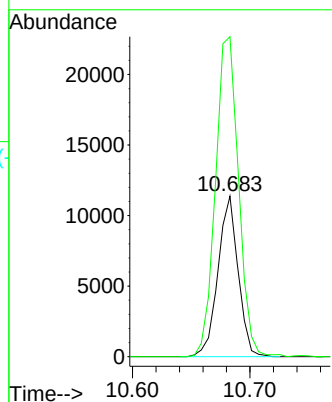
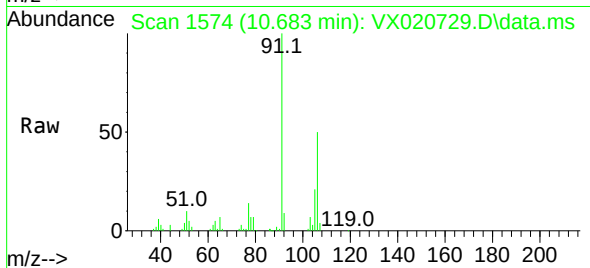




#69
o-Xylene
Concen: 1.94 ug/l
RT: 10.683 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

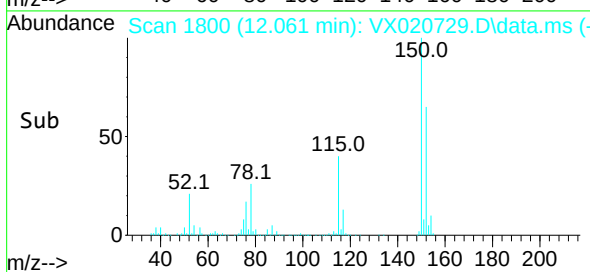
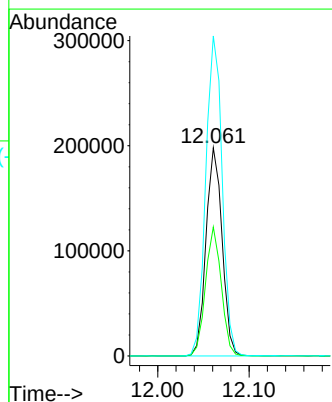
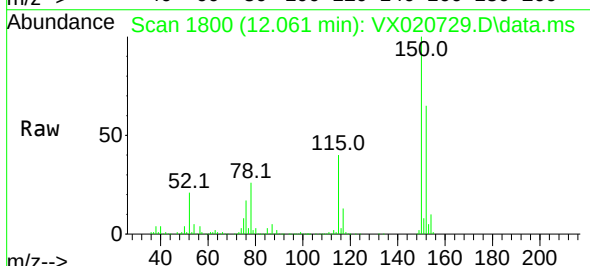
Instrument :
MSVOA_X
ClientSampled :
41051

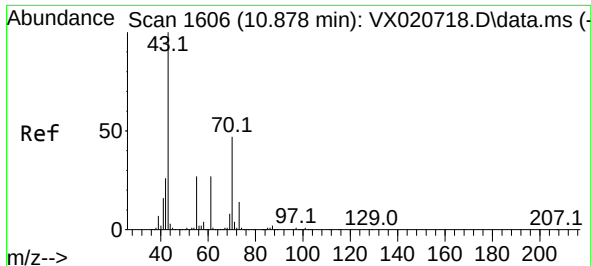
Tgt Ion:106 Resp: 13593
Ion Ratio Lower Upper
106 100
91 228.1 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

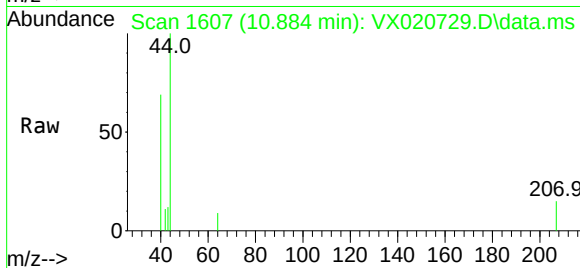
Tgt Ion:152 Resp: 242586
Ion Ratio Lower Upper
152 100
115 60.8 41.1 123.3
150 156.8 0.0 349.0



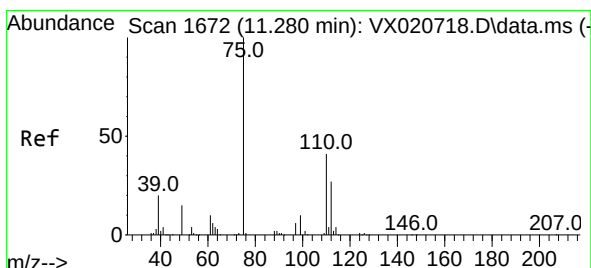
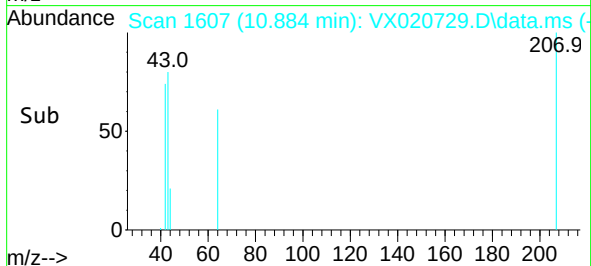
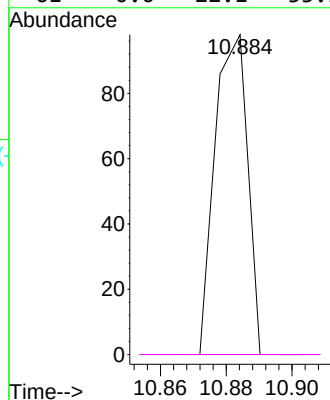


#74
N-amy1 acetate
Concen: 2.02 ug/l
RT: 10.884 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

Instrument :
MSVOA_X
ClientSampled :
41051

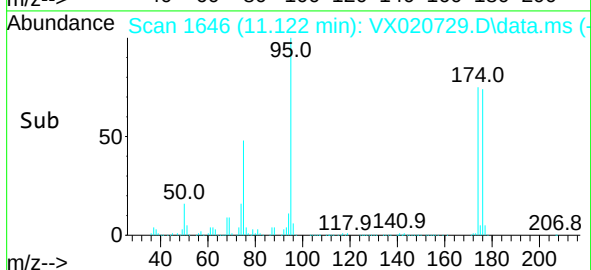
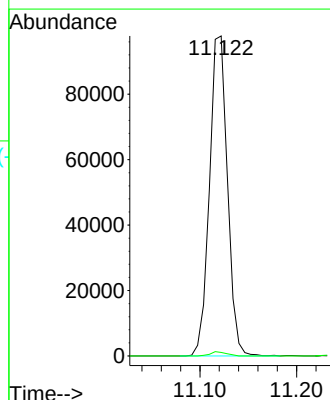
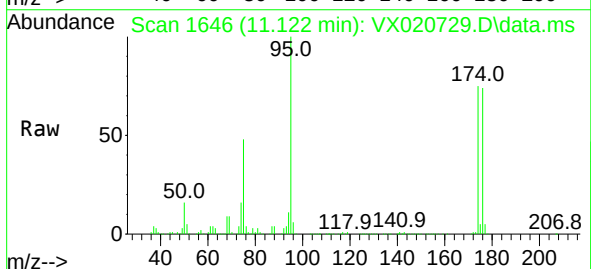


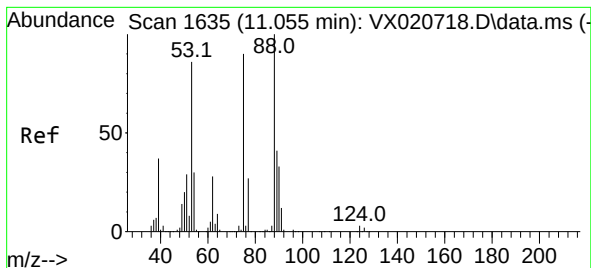
Tgt Ion: 43	Resp: 67
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.6#
55	0.0 21.5 32.3#
61	0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 22.41 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

Tgt Ion: 75	Resp: 126111
Ion Ratio	Lower Upper
75	100
77	1.2 19.1 57.5#

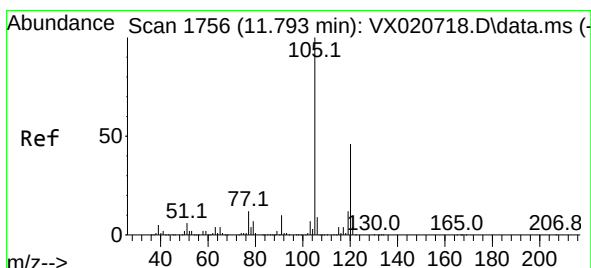
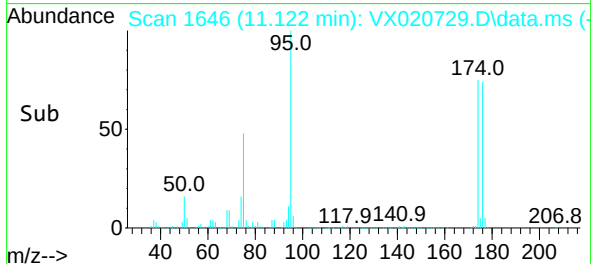
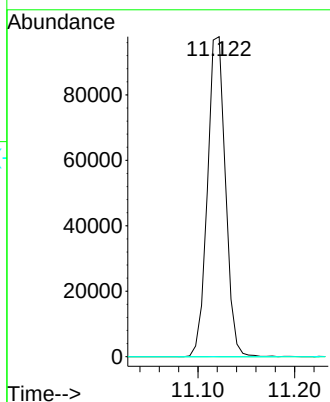
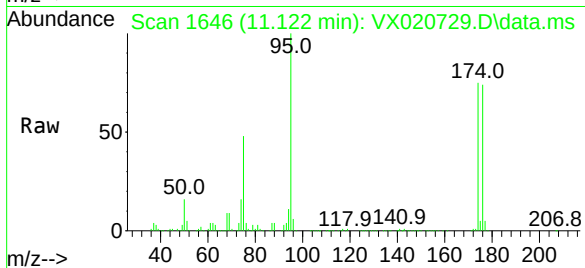




#81
trans-1,4-Dichloro-2-butene
Concen: 62.81 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

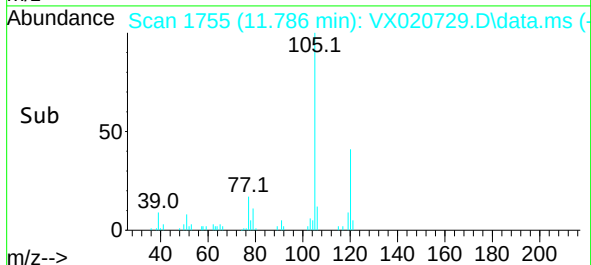
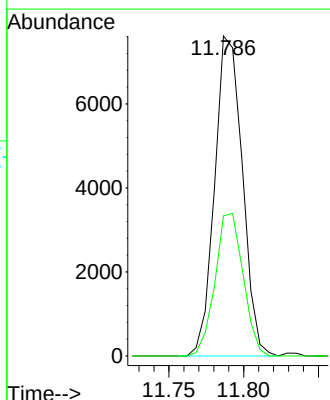
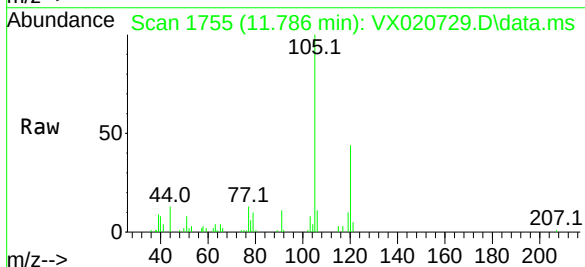
Instrument :
MSVOA_X
ClientSampleId :
41051

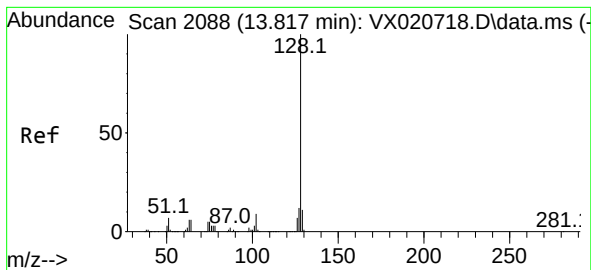
Tgt Ion: 75 Resp: 126111
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.65 ug/l
RT: 11.786 min Scan# 1755
Delta R.T. -0.007 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

Tgt Ion: 105 Resp: 9815
Ion Ratio Lower Upper
105 100
120 45.1 22.4 67.3





#95
Naphthalene
Concen: 3.11 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VX020729.D
Acq: 25 Jan 2021 16:59

Instrument :
MSVOA_X
ClientSampleId :
41051

Tgt Ion:128 Resp: 4652
Ion Ratio Lower Upper
128 100
127 17.7 10.3 15.5#
129 12.5 8.8 13.2

