

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063021\
 Data File : VX023068.D
 Acq On : 01 Jul 2021 05:50
 Operator : JC/MD
 Sample : M2829-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 01 07:05:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

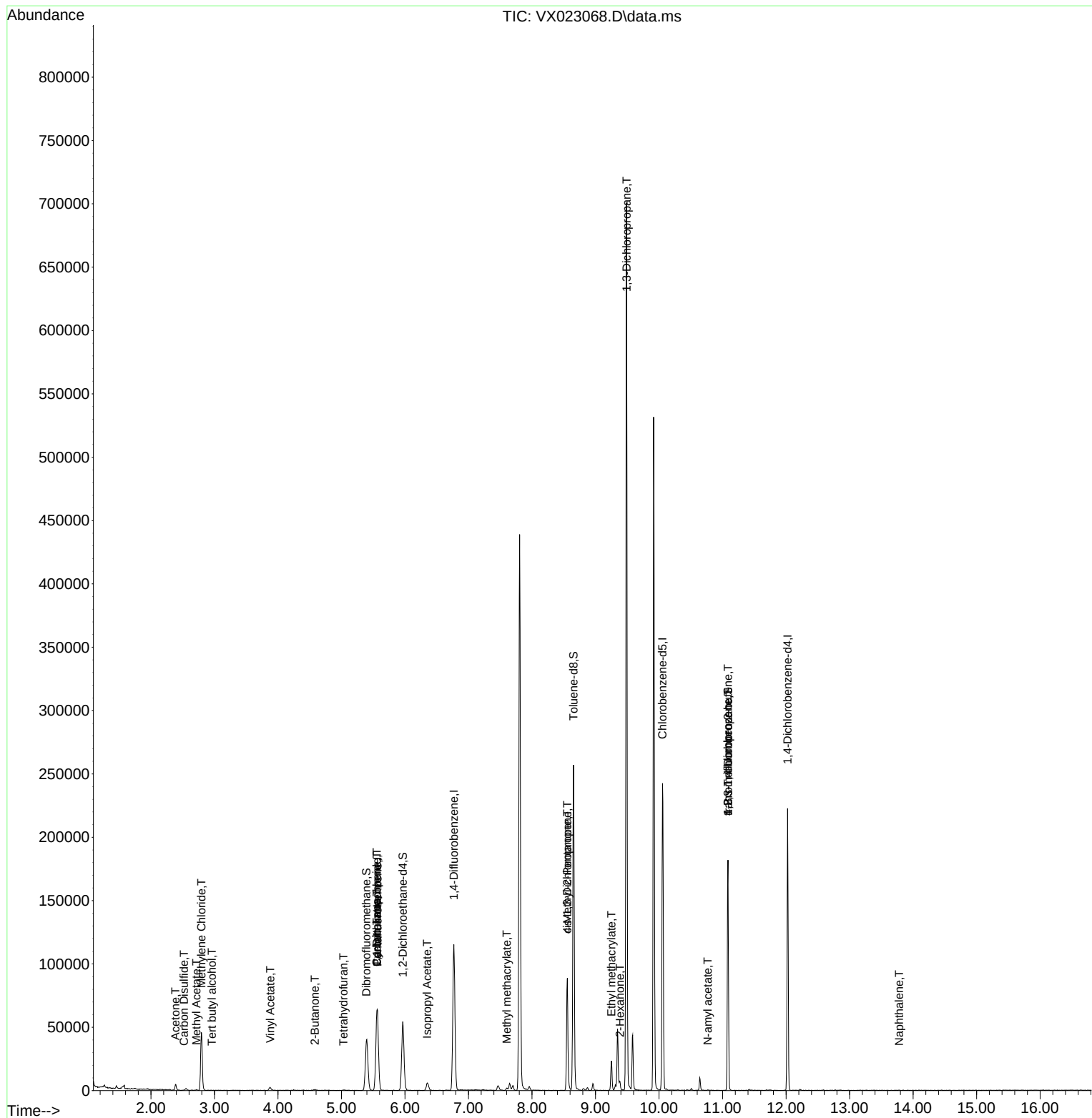
Internal Standards						
1) Pentafluorobenzene	5.568	168	52608	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	6.769	114	107625	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	97921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	36619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	49438	51.782	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.560%	
35) Dibromofluoromethane	5.391	113	34106	49.903	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.800%	
50) Toluene-d8	8.653	98	136829	51.083	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.160%	
62) 4-Bromofluorobenzene	11.085	95	46938	46.954	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.900%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	70	0.352	ug/l	# 73
16) Acetone	2.386	43	5101	12.052	ug/l	# 88
17) Carbon Disulfide	2.520	76	95	3.563	ug/l	# 75
18) Methyl Acetate	2.715	43	639	0.613	ug/l	# 90
20) Methylene Chloride	2.794	84	19332	23.230	ug/l	# 84
23) Vinyl Acetate	3.879	43	460	0.203	ug/l	# 68
25) 2-Butanone	4.580	43	1148	1.744	ug/l	# 45
29) Tetrahydrofuran	5.032	42	243	0.574	ug/l	# 27
31) Cyclohexane	5.556	56	1727	1.281	ug/l	# 15
36) 1,1-Dichloropropene	5.556	75	5631	4.926	ug/l	# 47
38) Carbon Tetrachloride	5.556	117	6375	6.649	ug/l	# 18
43) Isopropyl Acetate	6.348	43	8216	3.859	ug/l	# 92
48) Methyl methacrylate	7.604	41	2552	2.590	ug/l	# 10
51) 4-Methyl-2-Pentanone	8.555	43	31246	23.582	ug/l	# 44
54) cis-1,3-Dichloropropene	8.555	75	12379	10.705	ug/l	# 71
56) Ethyl methacrylate	9.250	69	99	2.643	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	5704	3.925	ug/l	# 42
59) 2-Hexanone	9.384	43	3514	3.496	ug/l	# 19
74) N-amyl acetate	10.768	43	229	2.180	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	26558	27.457	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	26558	71.017	ug/l	# 12
95) Naphthalene	13.780	128	132	1.965	ug/l	# 69

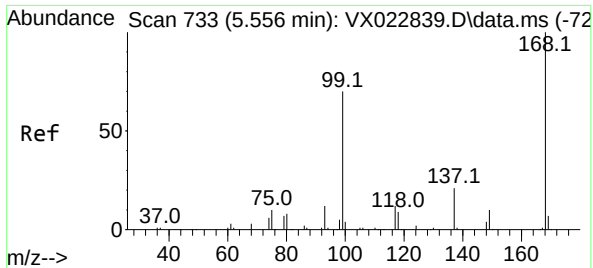
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: Jul 01 07:05:32 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
Response via : Initial Calibration

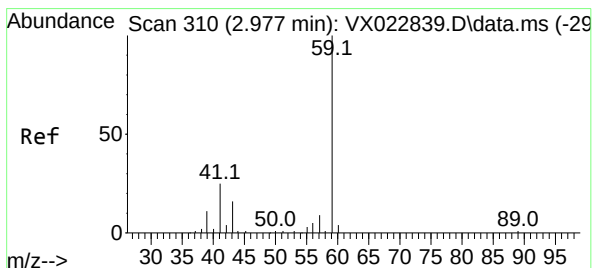
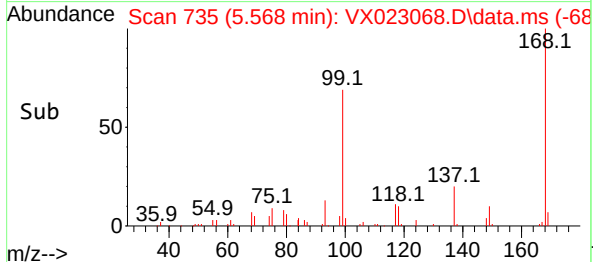
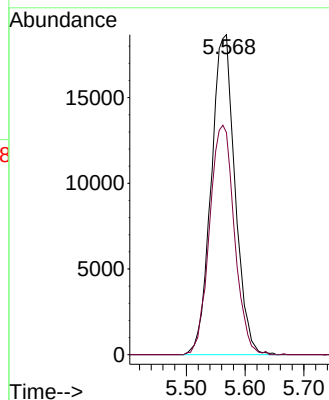
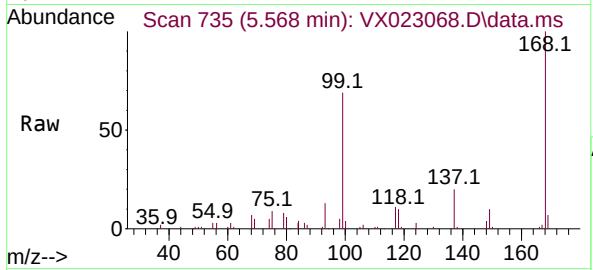




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.012 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

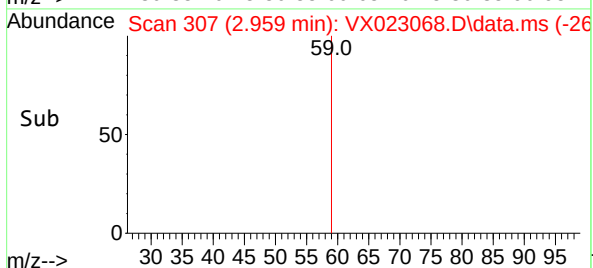
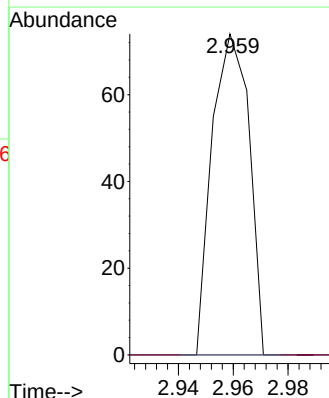
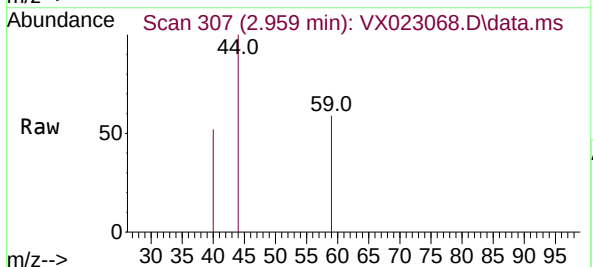
Instrument :
MSVOA_X
ClientSampled :

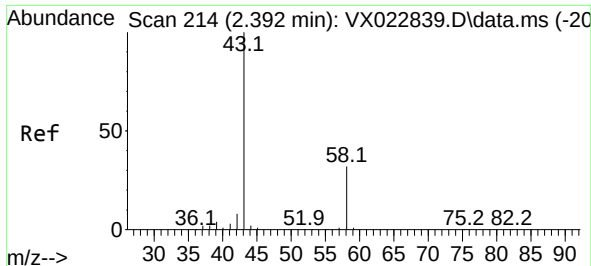
Tgt Ion:168 Resp: 52608
Ion Ratio Lower Upper
168 100
99 69.4 45.8 68.6#



#11
Tert butyl alcohol
Concen: 0.352 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

Tgt Ion: 59 Resp: 70
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

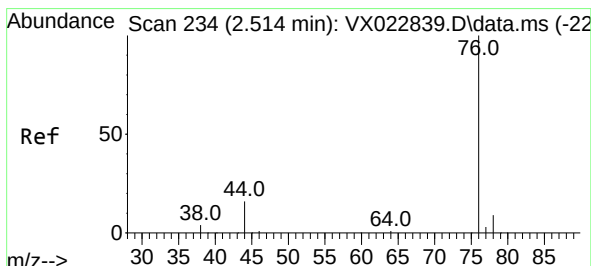
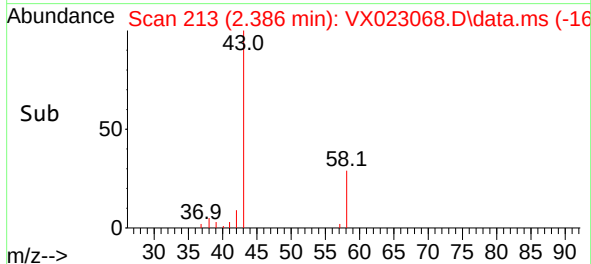
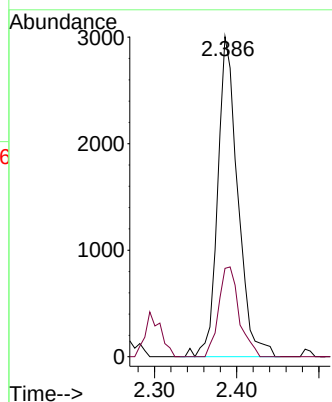
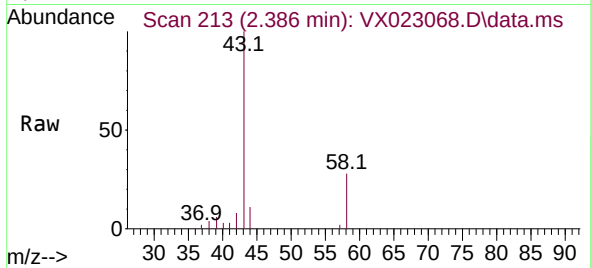




#16
Acetone
Concen: 12.052 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

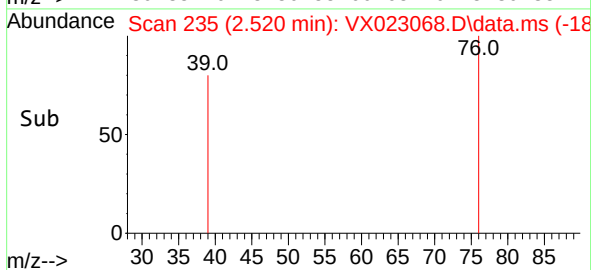
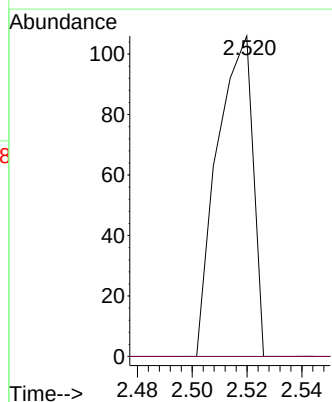
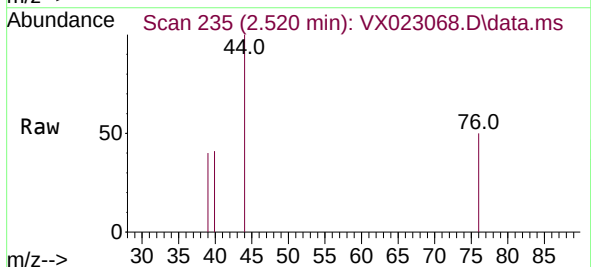
Instrument :
MSVOA_X
ClientSampled :

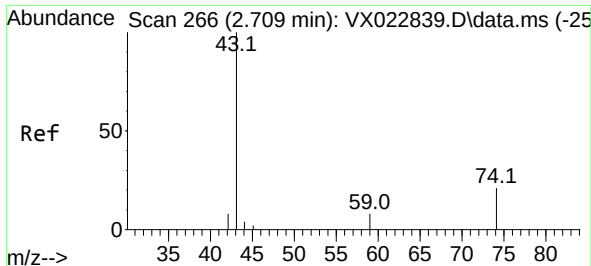
Tgt Ion: 43 Resp: 5101
Ion Ratio Lower Upper
43 100
58 27.6 27.8 41.8#



#17
Carbon Disulfide
Concen: 3.563 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

Tgt Ion: 76 Resp: 95
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 0.613 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.006 min

Lab File: VX023068.D

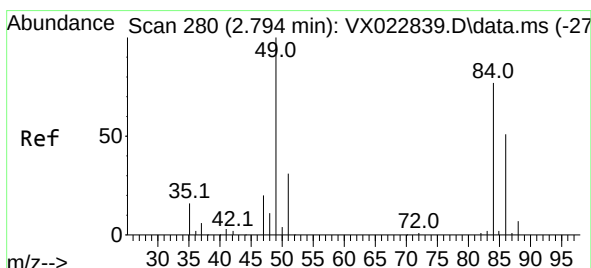
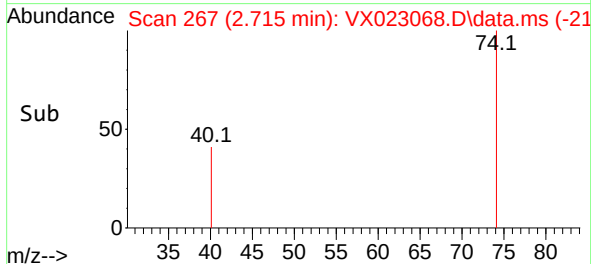
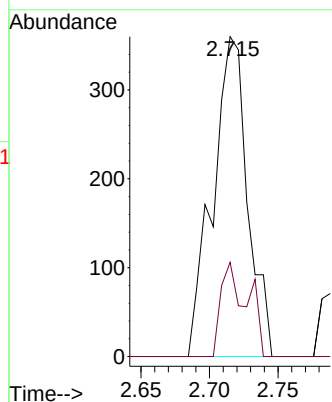
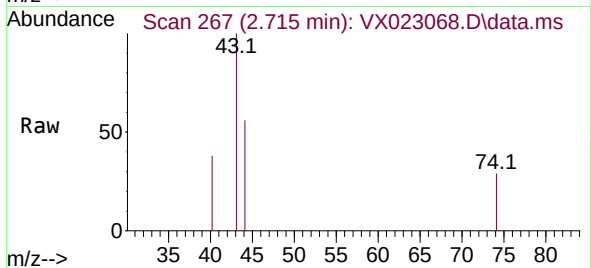
Acq: 01 Jul 2021 05:50

Tgt Ion: 43 Resp: 639

Ion Ratio Lower Upper

43 100

74 22.1 21.9 32.9



#20

Methylene Chloride

Concen: 23.230 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023068.D

Acq: 01 Jul 2021 05:50

Tgt Ion: 84 Resp: 19332

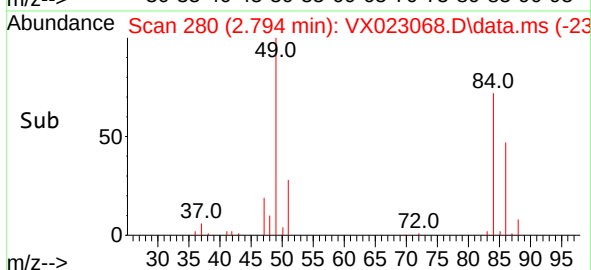
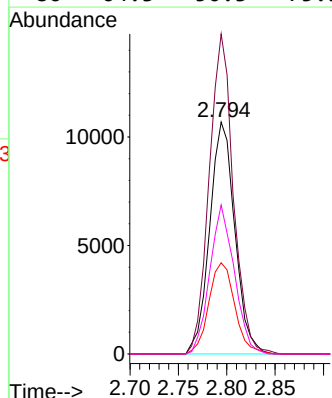
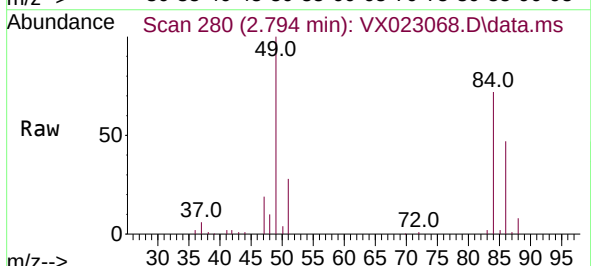
Ion Ratio Lower Upper

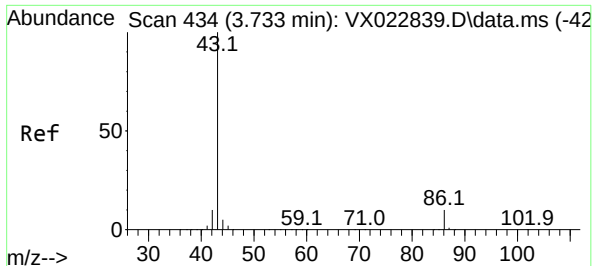
84 100

49 138.0 88.6 132.8#

51 39.3 27.0 40.6

86 64.3 50.3 75.5

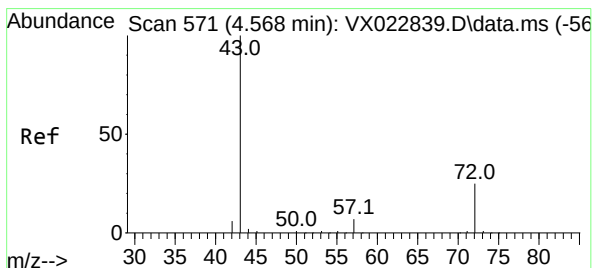
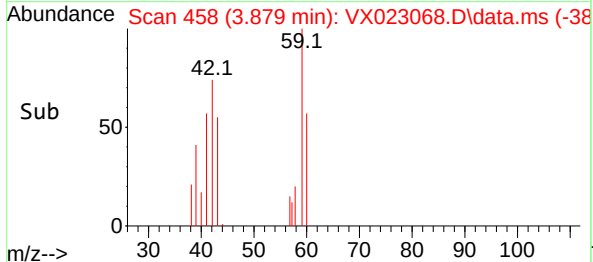
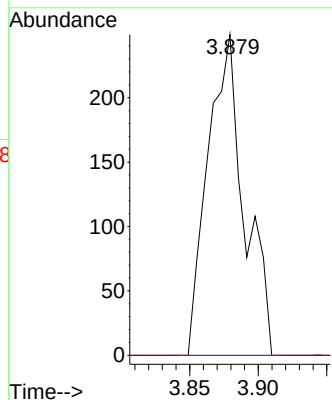
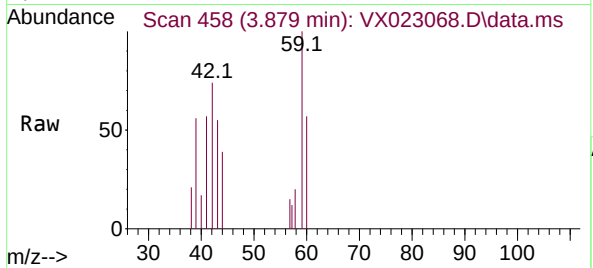




#23
 Vinyl Acetate
 Concen: 0.203 ug/l
 RT: 3.879 min Scan# 458
 Delta R.T. 0.146 min
 Lab File: VX023068.D
 Acq: 01 Jul 2021 05:50

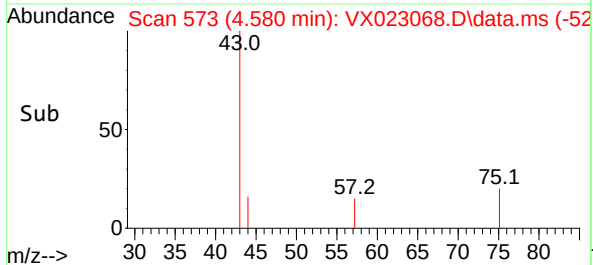
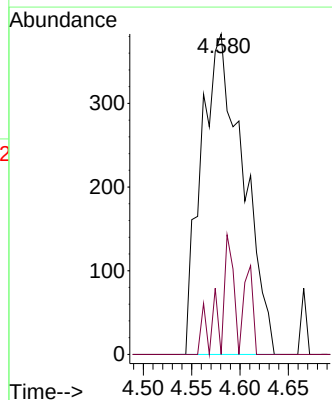
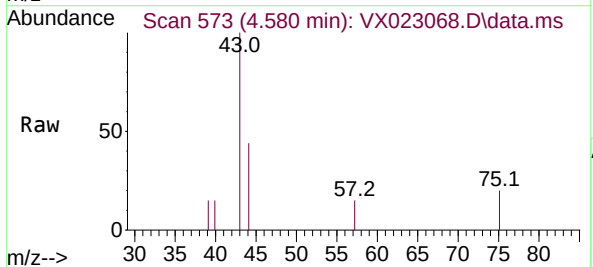
Instrument :
 MSVOA_X
 ClientSampled :

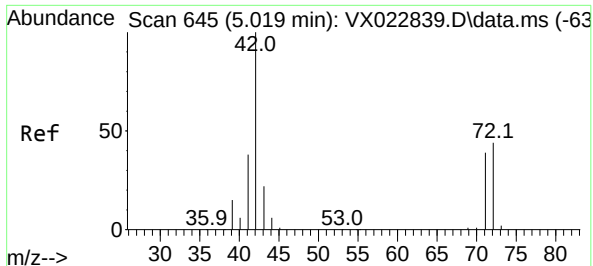
Tgt Ion: 43 Resp: 460
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#25
 2-Butanone
 Concen: 1.744 ug/l
 RT: 4.580 min Scan# 573
 Delta R.T. 0.012 min
 Lab File: VX023068.D
 Acq: 01 Jul 2021 05:50

Tgt Ion: 43 Resp: 1148
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.574 ug/l

RT: 5.032 min Scan# 647

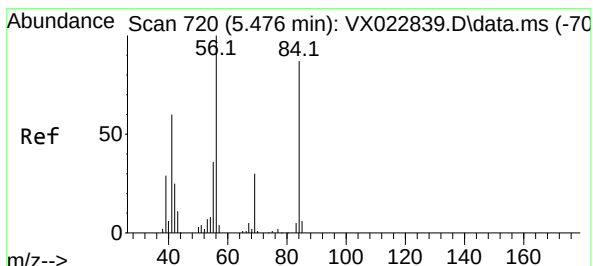
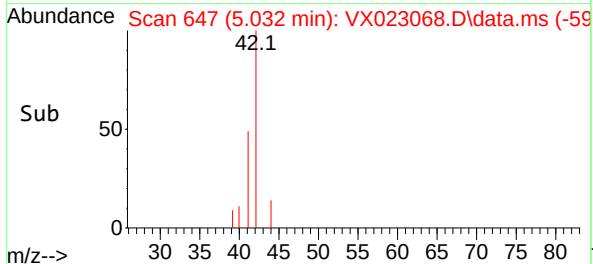
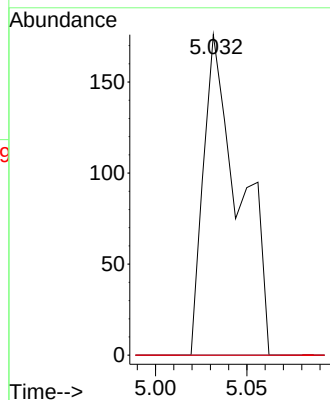
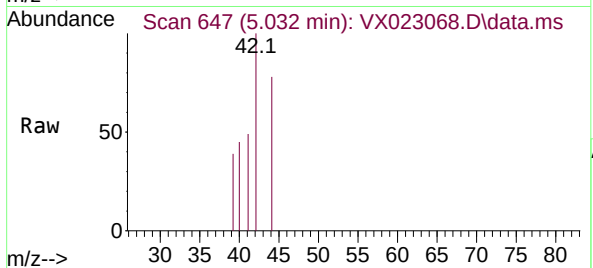
Delta R.T. 0.013 min

Lab File: VX023068.D

Acq: 01 Jul 2021 05:50

Tgt Ion:	42	Resp:	243
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.281 ug/l

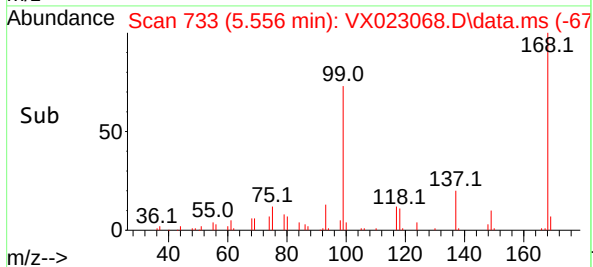
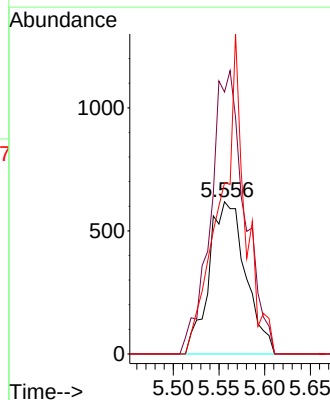
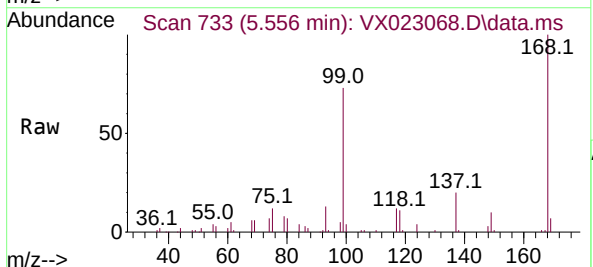
RT: 5.556 min Scan# 733

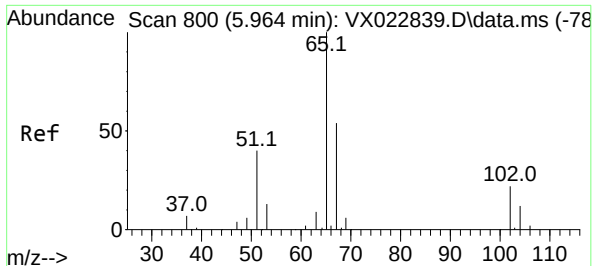
Delta R.T. 0.080 min

Lab File: VX023068.D

Acq: 01 Jul 2021 05:50

Tgt Ion:	56	Resp:	1727
Ion	Ratio	Lower	Upper
56	100		
69	172.2	25.3	37.9#
84	112.5	71.4	107.0#



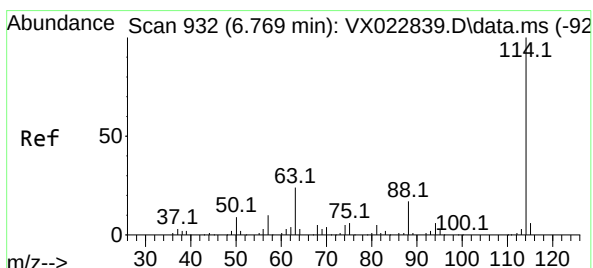
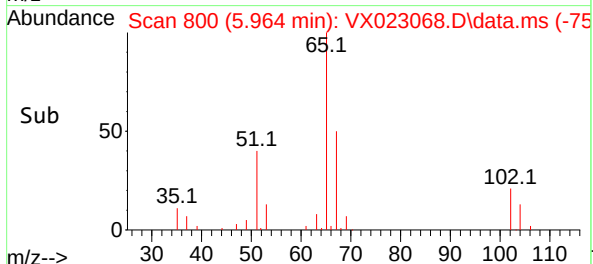
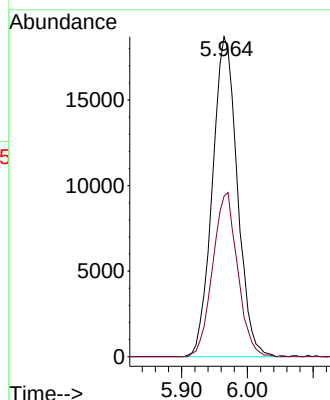
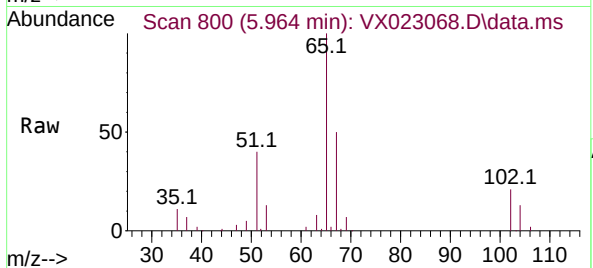


#33

1,2-Dichloroethane-d4
Concen: 51.782 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

Instrument :
MSVOA_X
ClientSampled :

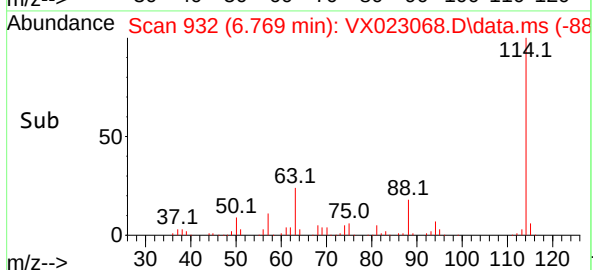
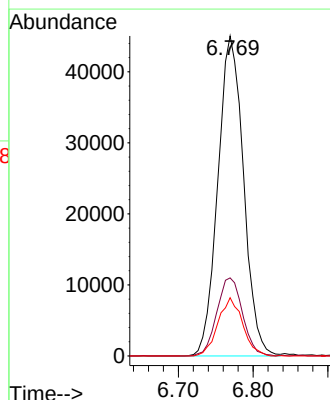
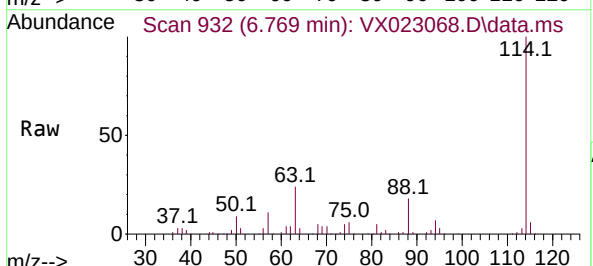
Tgt Ion: 65 Resp: 49438
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.4

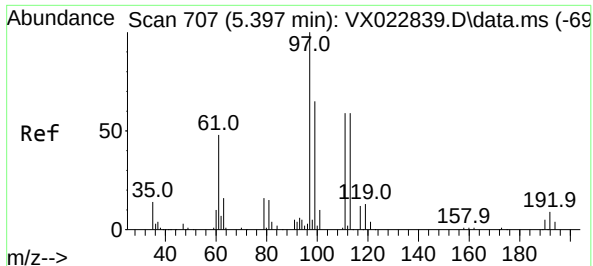


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

Tgt Ion: 114 Resp: 107625
Ion Ratio Lower Upper
114 100
63 24.4 0.0 40.8
88 18.2 0.0 32.8

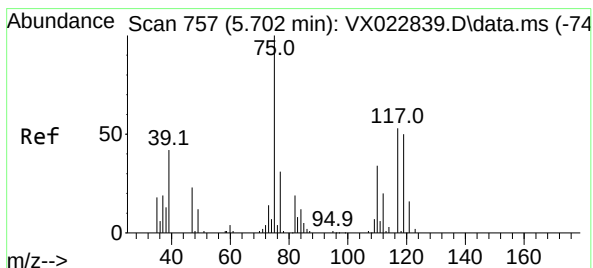
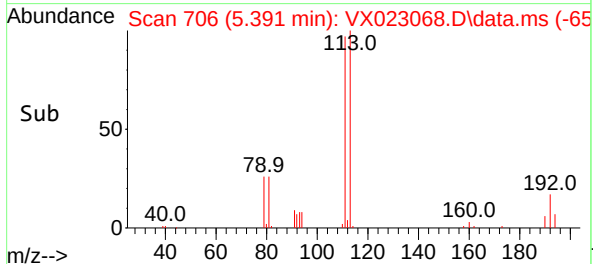
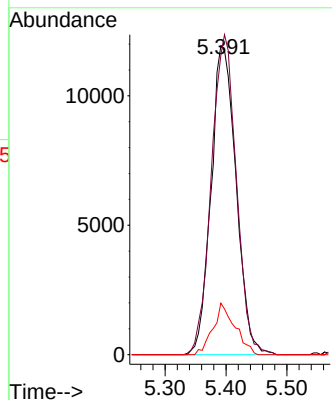
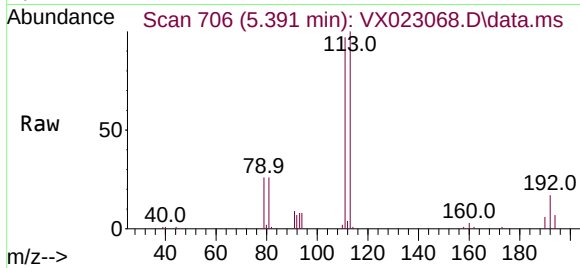




#35
Dibromofluoromethane
Concen: 49.903 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

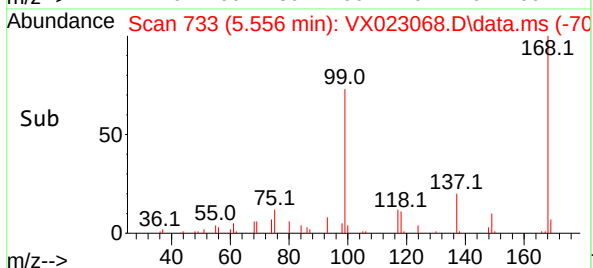
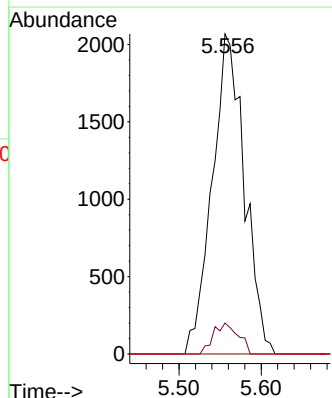
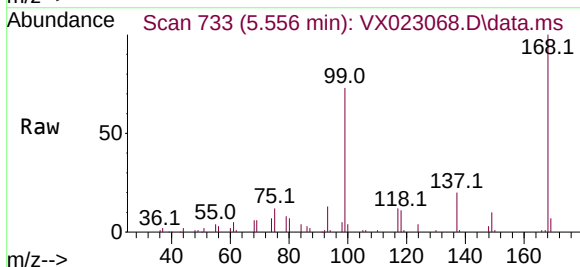
Instrument :
MSVOA_X
ClientSampled :

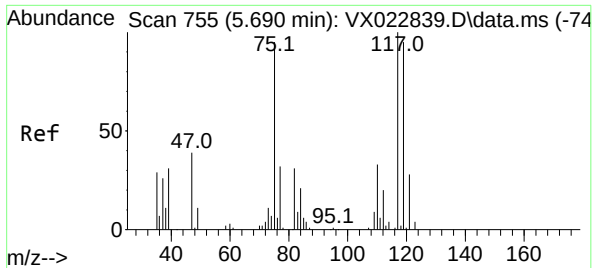
Tgt Ion:113 Resp: 34106
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 14.7 16.7 25.1#



#36
1,1-Dichloropropene
Concen: 4.926 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

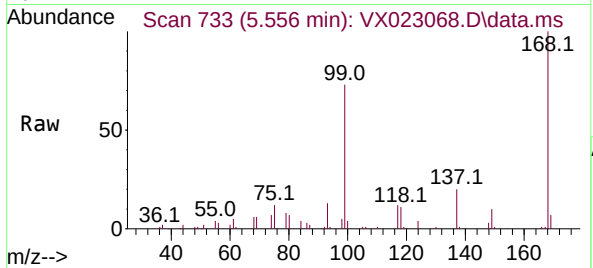
Tgt Ion: 75 Resp: 5631
Ion Ratio Lower Upper
75 100
110 7.5 18.1 54.4#
77 0.0 25.3 37.9#



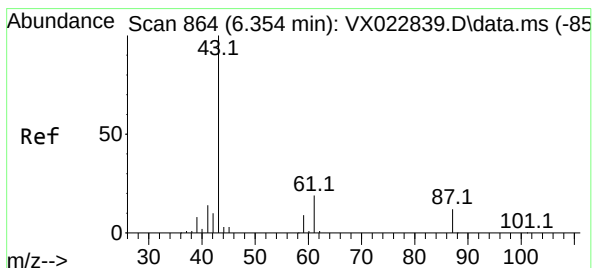
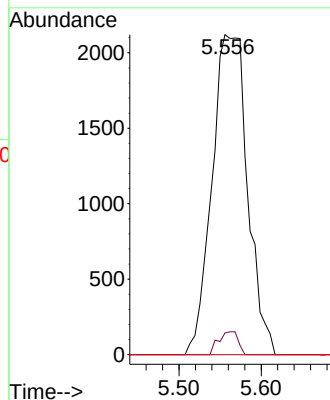
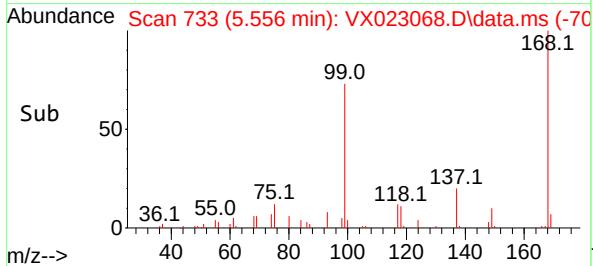


#38
Carbon Tetrachloride
Concen: 6.649 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

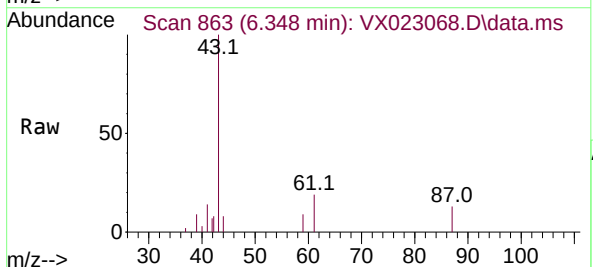
Instrument :
MSVOA_X
ClientSampled :



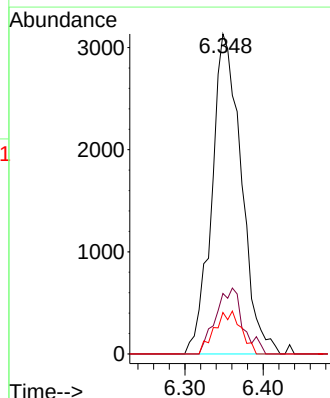
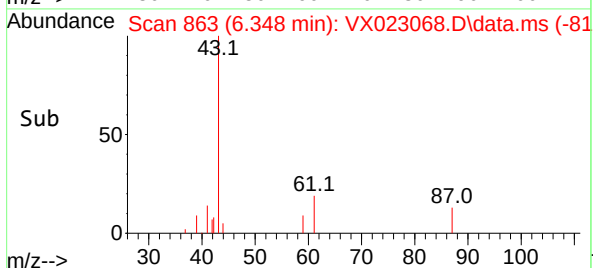
Tgt Ion:117 Resp: 6375
Ion Ratio Lower Upper
117 100
119 6.8 76.2 114.2#
121 0.0 24.8 37.2#

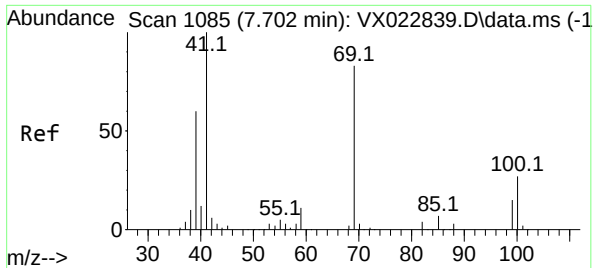


#43
Isopropyl Acetate
Concen: 3.859 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50



Tgt Ion: 43 Resp: 8216
Ion Ratio Lower Upper
43 100
61 19.0 18.2 27.4
87 11.9 12.5 18.7#





#48

Methyl methacrylate

Concen: 2.590 ug/l

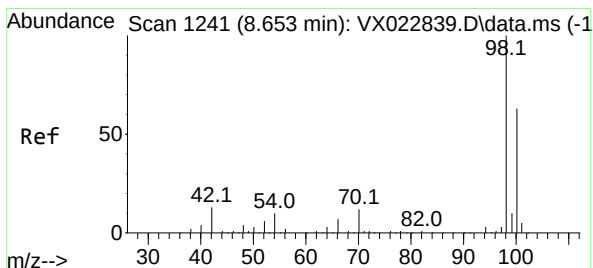
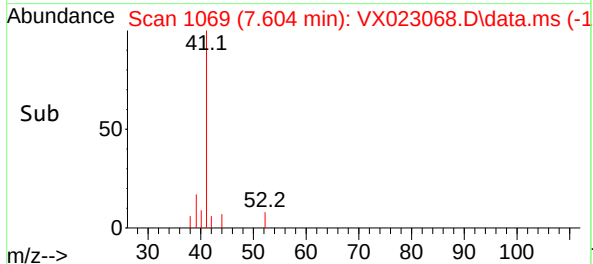
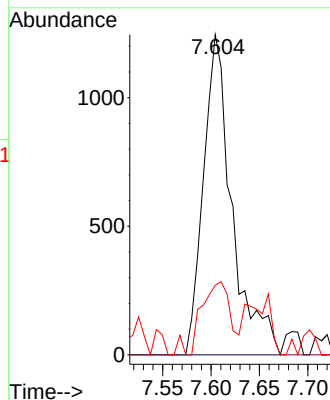
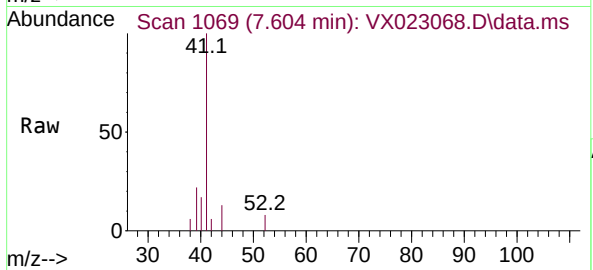
RT: 7.604 min Scan# 1069

Delta R.T. -0.098 min

Lab File: VX023068.D

Acq: 01 Jul 2021 05:50

Tgt Ion:	41	Resp:	2552
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#



#50

Toluene-d8

Concen: 51.083 ug/l

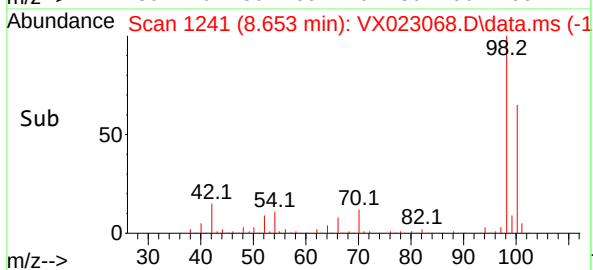
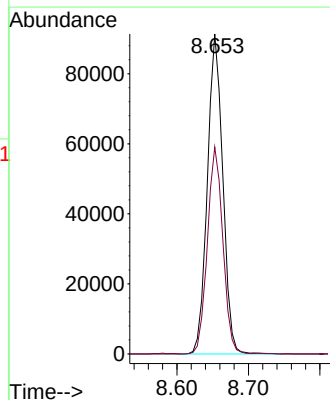
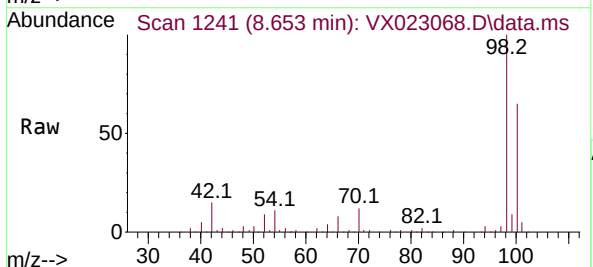
RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

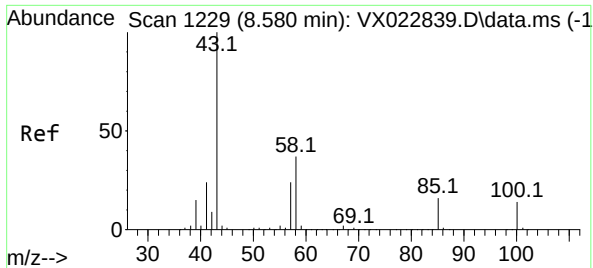
Lab File: VX023068.D

Acq: 01 Jul 2021 05:50

Tgt Ion:	98	Resp:	136829
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.9	77.9



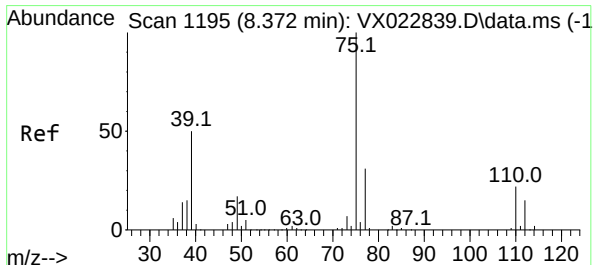
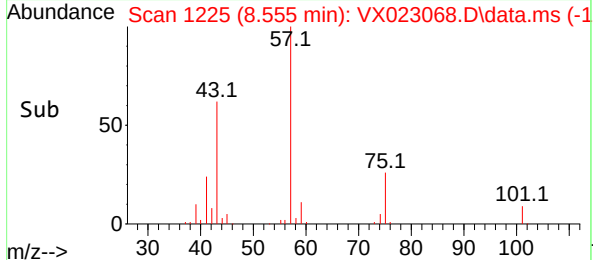
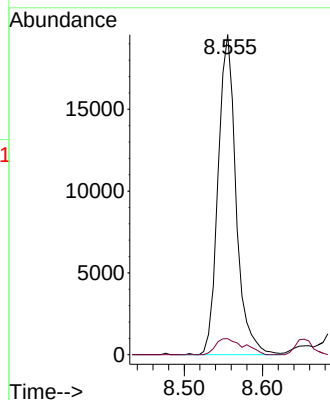
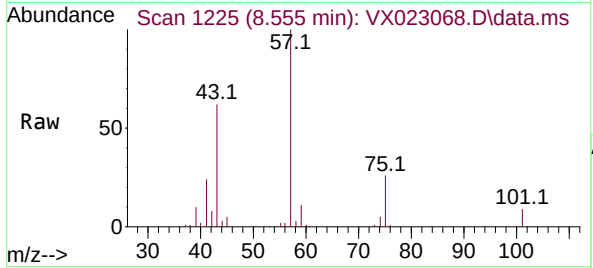
Instrument :
MSVOA_X
ClientSampled :



#51
4-Methyl-2-Pentanone
Concen: 23.582 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

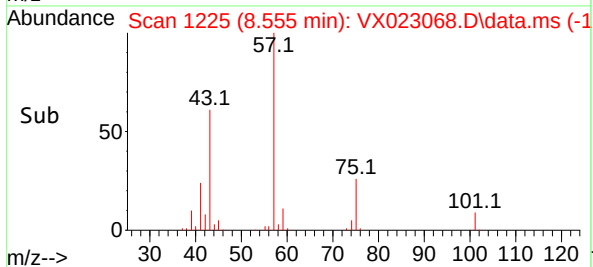
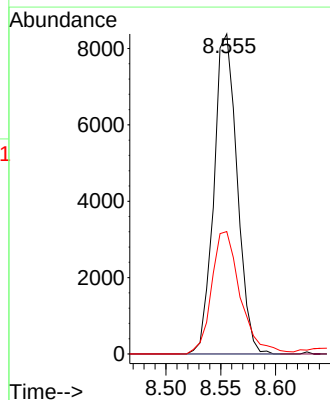
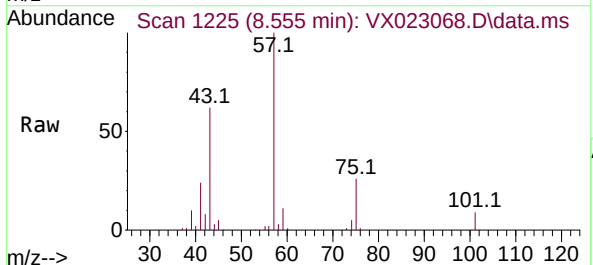
Instrument :
MSVOA_X
ClientSampled :

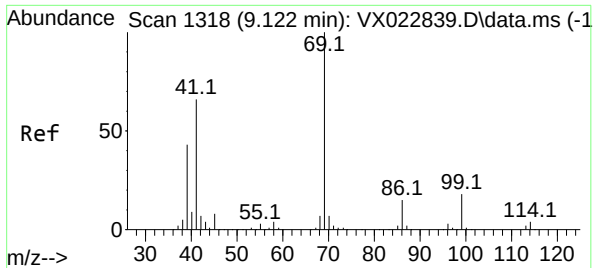
Tgt Ion: 43 Resp: 31246
Ion Ratio Lower Upper
43 100
58 7.8 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 10.705 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

Tgt Ion: 75 Resp: 12379
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 38.3 35.1 52.7

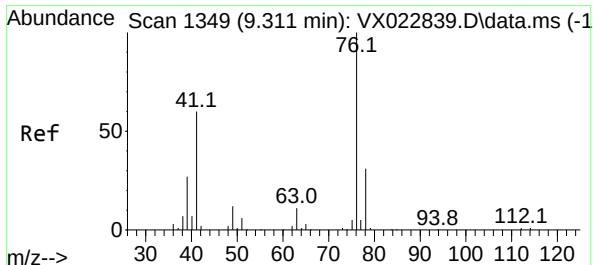
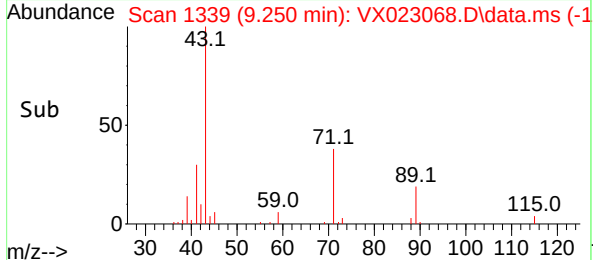
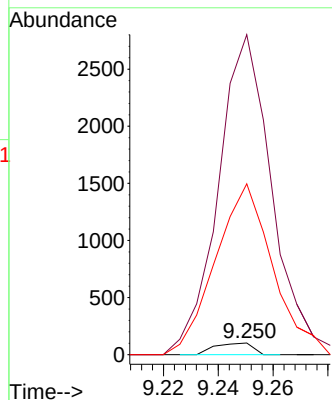
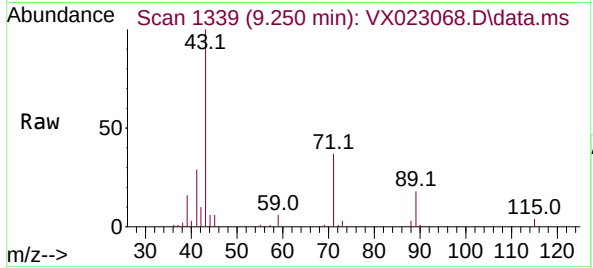




#56
Ethyl methacrylate
Concen: 2.643 ug/l
RT: 9.250 min Scan# 1339
Delta R.T. 0.128 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

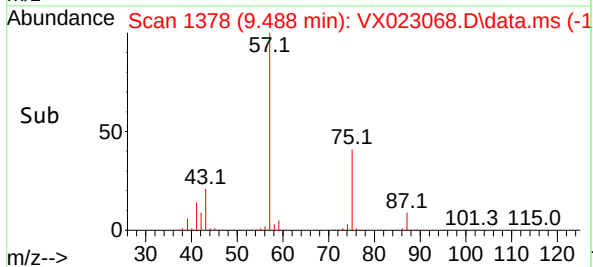
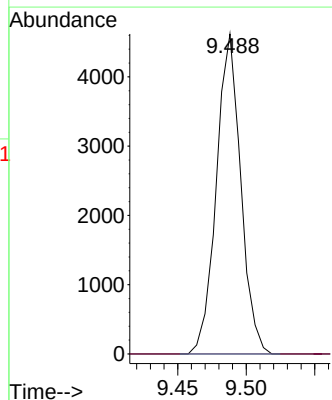
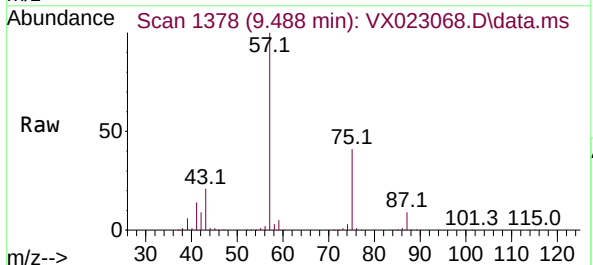
Instrument :
MSVOA_X
ClientSampled :

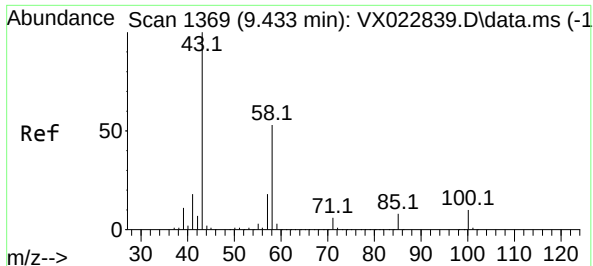
Tgt Ion: 69 Resp: 99
Ion Ratio Lower Upper
69 100
41 3860.6 46.8 70.2#
39 2198.0 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 3.925 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

Tgt Ion: 76 Resp: 5704
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

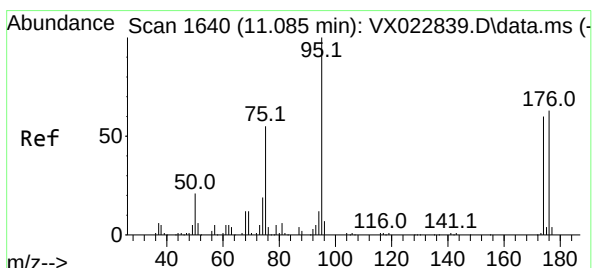
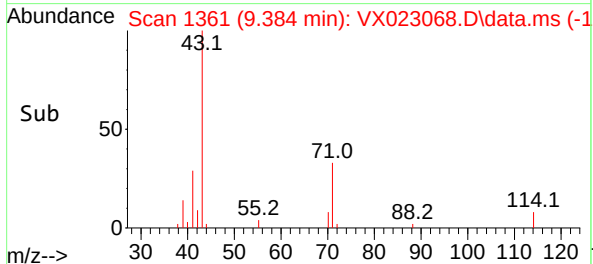
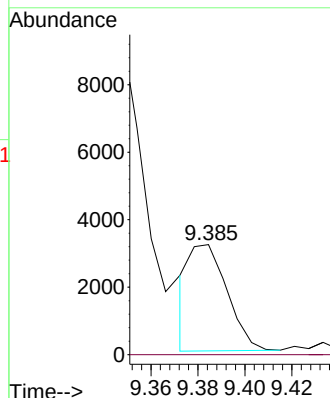
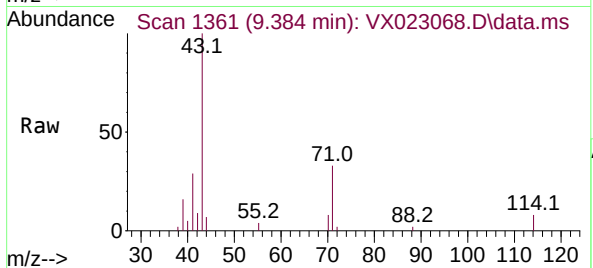




#59
2-Hexanone
Concen: 3.496 ug/l
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

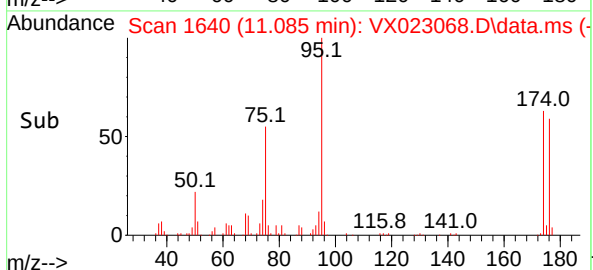
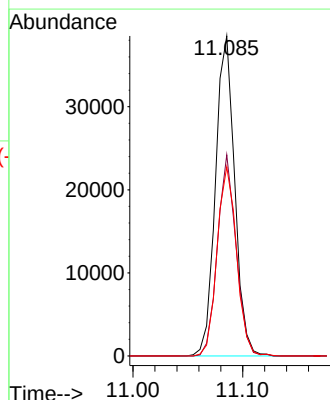
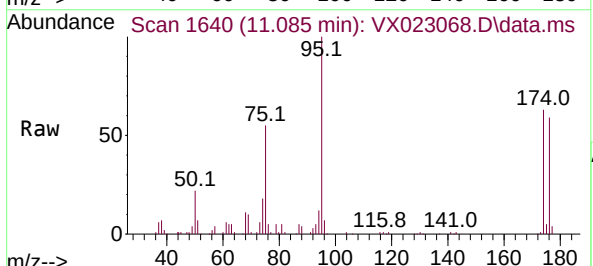
Instrument :
MSVOA_X
ClientSampled :

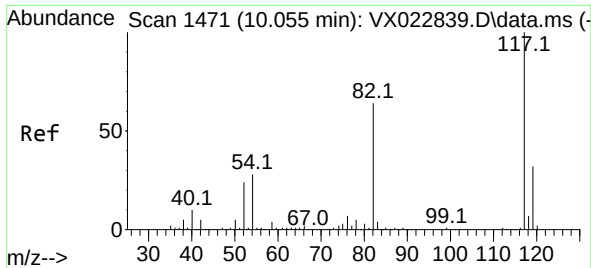
Tgt Ion: 43 Resp: 3514
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.954 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

Tgt Ion: 95 Resp: 46938
Ion Ratio Lower Upper
95 100
174 60.9 0.0 154.6
176 60.0 0.0 155.8

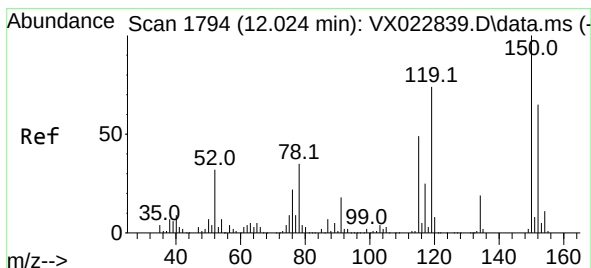
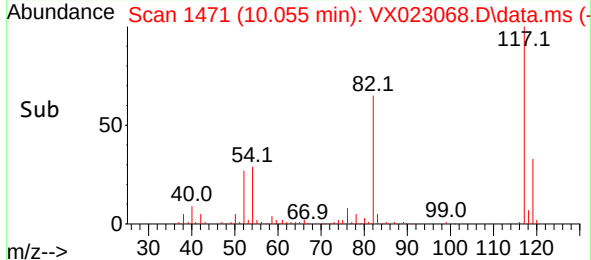
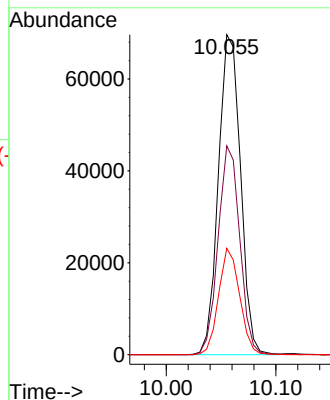
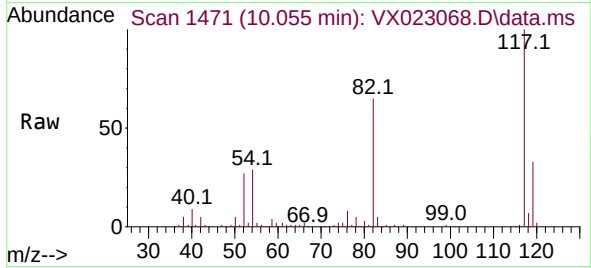




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

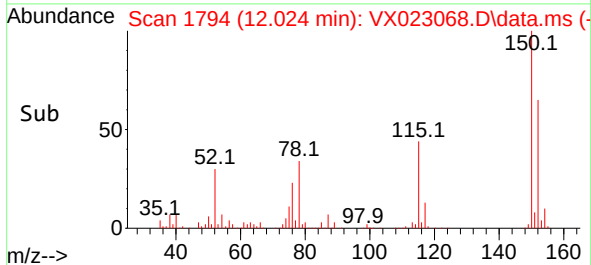
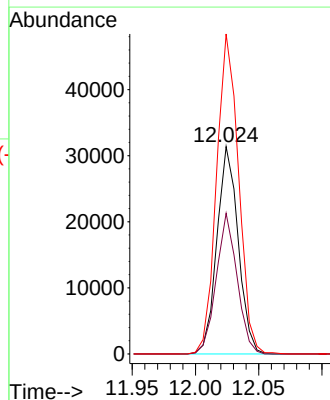
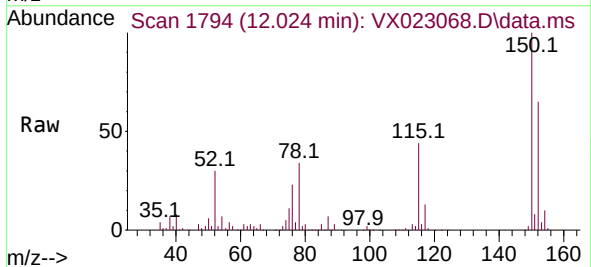
Instrument :
MSVOA_X
ClientSampled :

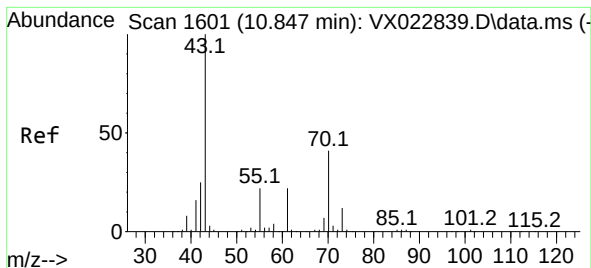
Tgt Ion:	117	Resp:	97921
Ion Ratio	Lower	Upper	
117	100		
82	65.3	47.4	71.2
119	33.3	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

Tgt Ion:	152	Resp:	36619
Ion Ratio	Lower	Upper	
152	100		
115	66.4	41.1	123.3
150	159.6	0.0	349.0

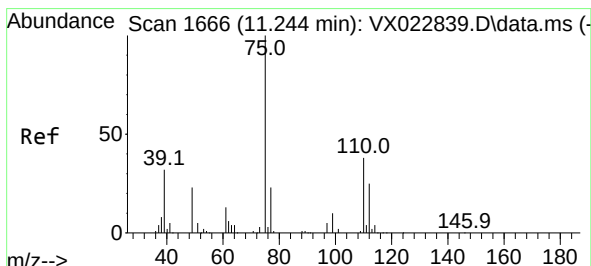
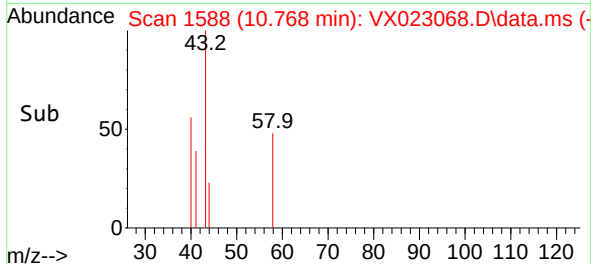
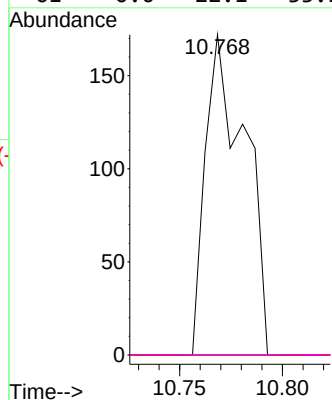
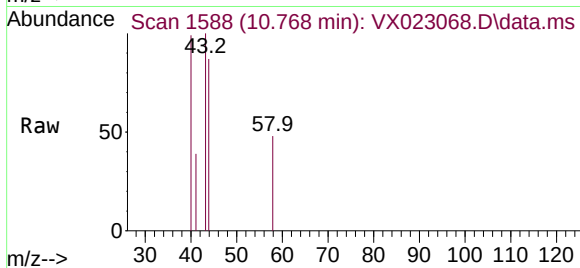




#74
N-amy1 acetate
Concen: 2.180 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.079 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

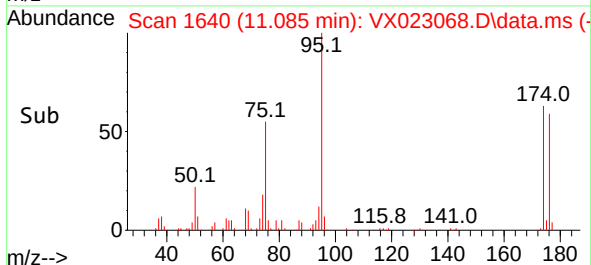
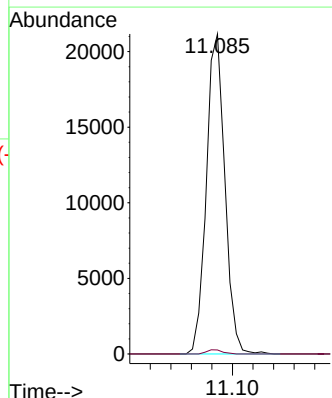
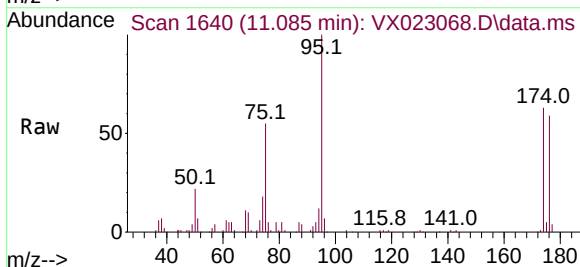
Instrument :
MSVOA_X
ClientSampled :

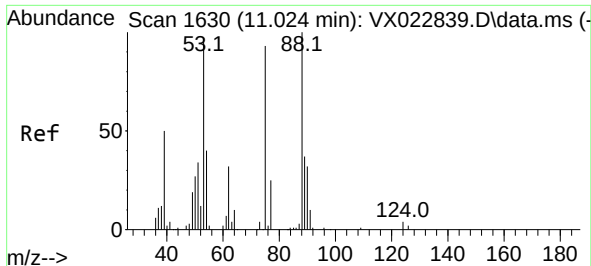
Tgt Ion: 43	Resp:	229
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.0 58.6#
55	0.0	21.5 32.3#
61	0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 27.457 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

Tgt Ion: 75	Resp:	26558
Ion	Ratio	Lower Upper
75	100	
77	1.1	19.1 57.5#

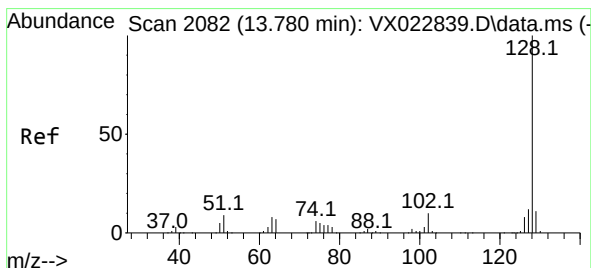
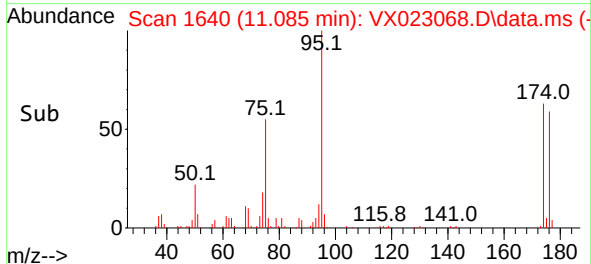
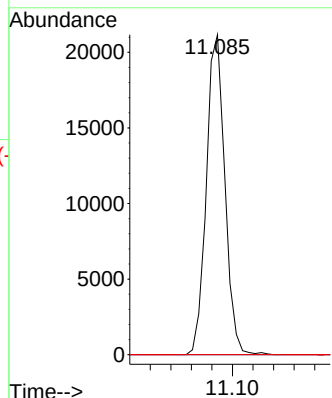
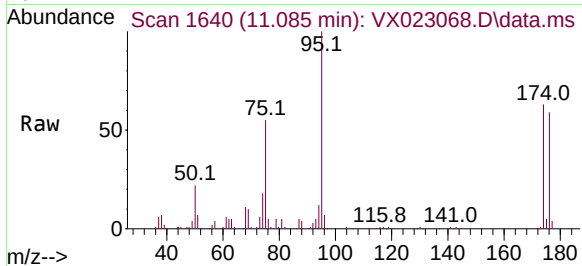




#81
trans-1,4-Dichloro-2-butene
Concen: 71.017 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 26558
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.965 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023068.D
Acq: 01 Jul 2021 05:50

Tgt Ion:128 Resp: 132
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

