

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071521\
 Data File : VX023303.D
 Acq On : 15 Jul 2021 16:48
 Operator : JC/MD
 Sample : M3026-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 16 03:52:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

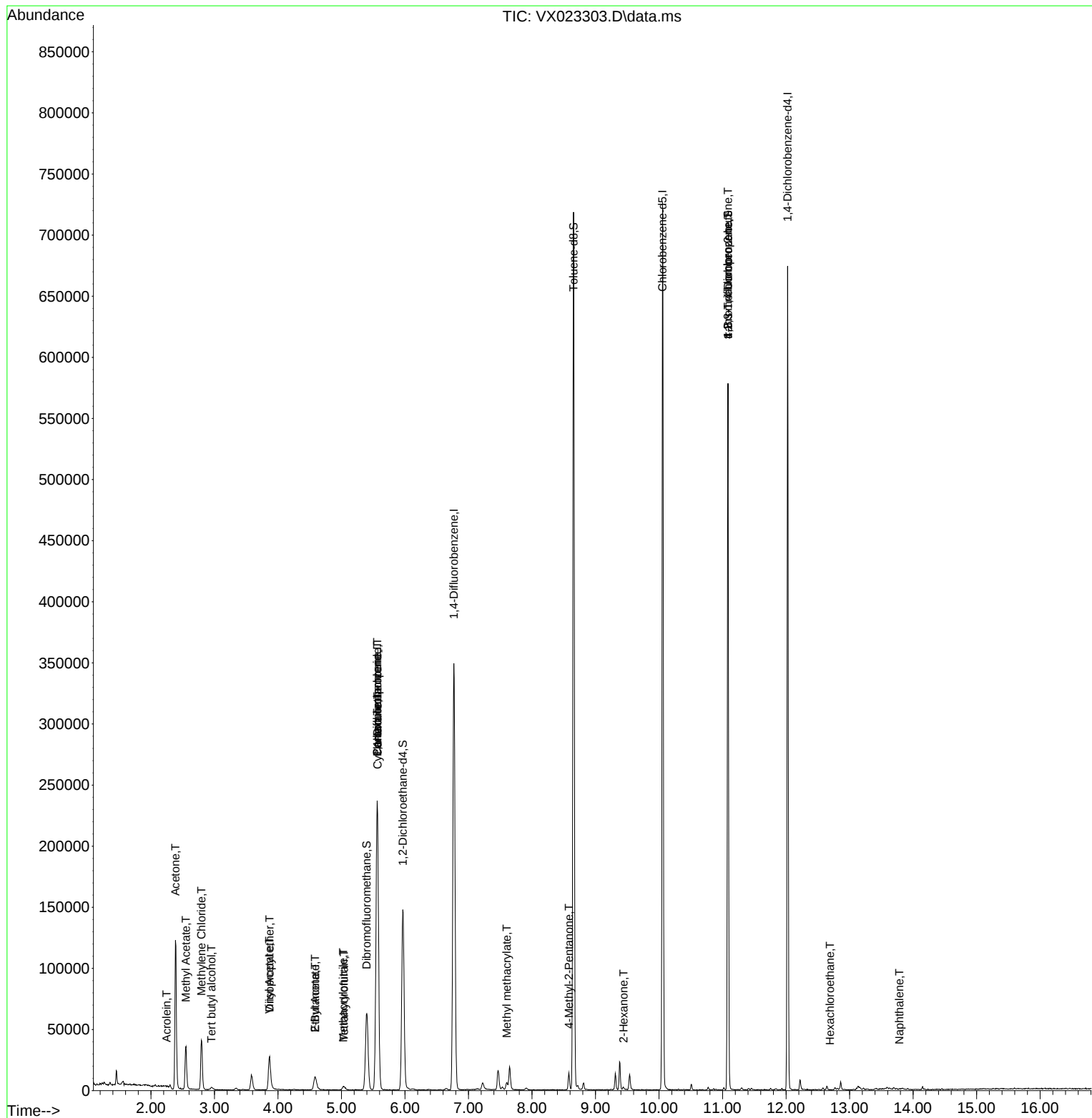
Internal Standards						
1) Pentafluorobenzene	5.562	168	220985	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	353780	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	318463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	152218	51.251	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	102.500%	
35) Dibromofluoromethane	5.397	113	55377	24.240	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	48.480%#	
50) Toluene-d8	8.653	98	420487	49.342	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	98.680%	
62) 4-Bromofluorobenzene	11.085	95	151424	46.026	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	92.060%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	184	Below Cal	#	72
11) Tert butyl alcohol	2.953	59	1862	2.980	ug/l #	73
13) Acrolein	2.245	56	207	0.498	ug/l #	47
16) Acetone	2.386	43	130206	110.810	ug/l	89
18) Methyl Acetate	2.550	43	10544	3.697	ug/l #	47
20) Methylene Chloride	2.794	84	19231	7.602	ug/l	96
22) Diisopropyl ether	3.867	45	1846	0.256	ug/l #	1
23) Vinyl Acetate	3.861	43	4538	0.743	ug/l #	68
25) 2-Butanone	4.586	43	7576	4.276	ug/l #	80
29) Tetrahydrofuran	5.038	42	2578	2.263	ug/l	94
31) Cyclohexane	5.568	56	4537	1.276	ug/l #	4
36) 1,1-Dichloropropene	5.562	75	17261	5.473	ug/l #	49
37) Ethyl Acetate	4.586	43	7694	2.236	ug/l #	71
38) Carbon Tetrachloride	5.562	117	23049	7.001	ug/l #	16
41) Methacrylonitrile	5.025	41	1917	0.997	ug/l #	41
48) Methyl methacrylate	7.604	41	8241	2.935	ug/l #	16
51) 4-Methyl-2-Pentanone	8.580	43	8081	2.279	ug/l	93
59) 2-Hexanone	9.439	43	1250	0.459	ug/l	93
76) 1,2,3-Trichloropropane	11.085	75	79648	29.955	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	79648	80.436	ug/l #	12
90) Hexachloroethane	12.695	117	25	3.012	ug/l #	9
95) Naphthalene	13.786	128	370	1.312	ug/l #	69

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

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QLast Update : Fri Jul 02 14:29:42 2021
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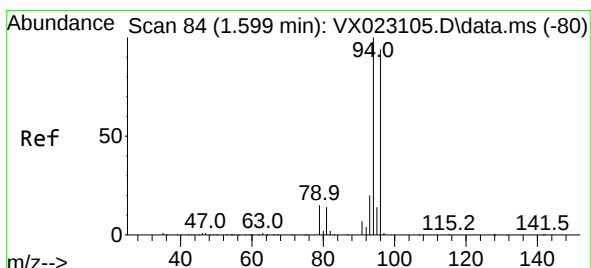
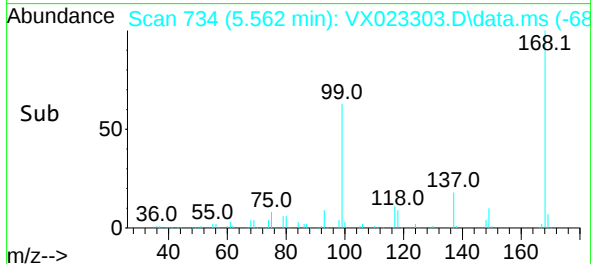
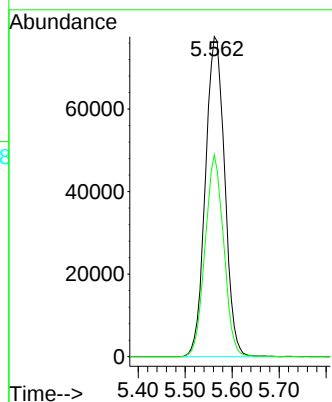
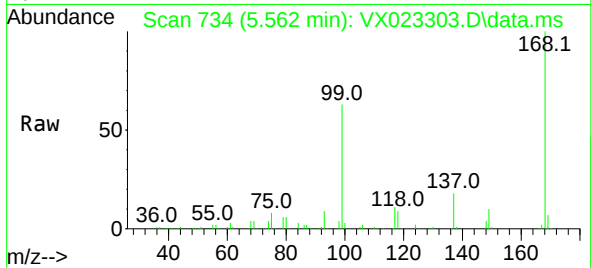




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

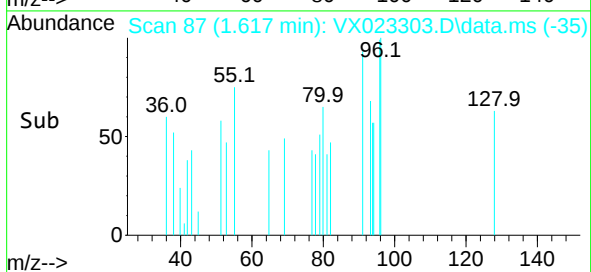
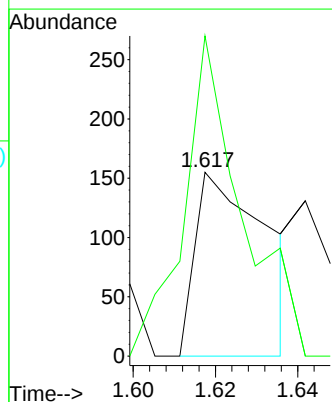
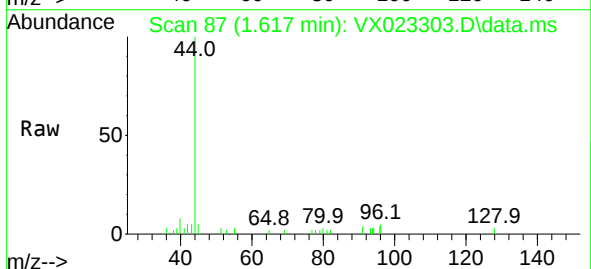
Instrument :
MSVOA_X
ClientSampleId :

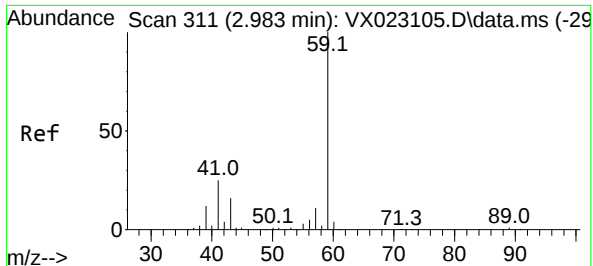
Tgt Ion:168 Resp: 220985
Ion Ratio Lower Upper
168 100
99 63.1 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

Tgt Ion: 94 Resp: 184
Ion Ratio Lower Upper
94 100
96 122.6 76.4 114.6#



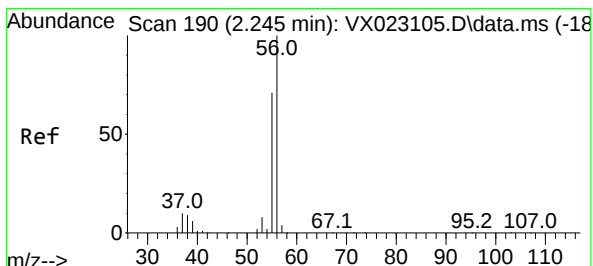
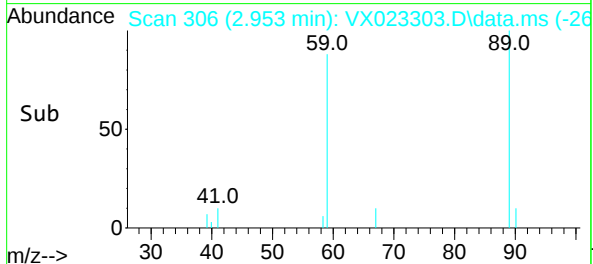
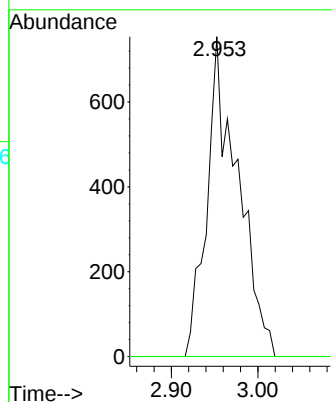
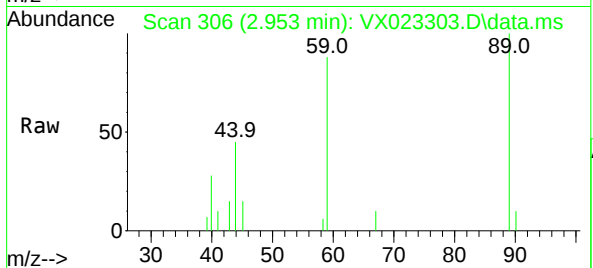


#11

Tert butyl alcohol
Concen: 2.980 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

Instrument :
MSVOA_X
ClientSampled :

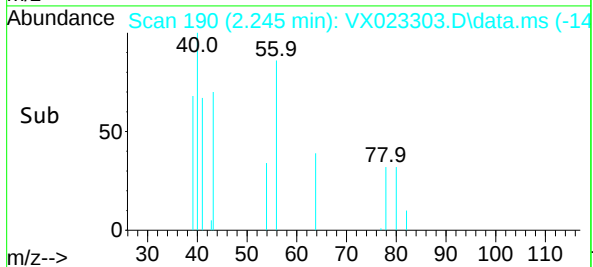
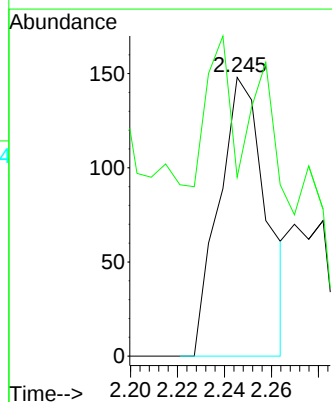
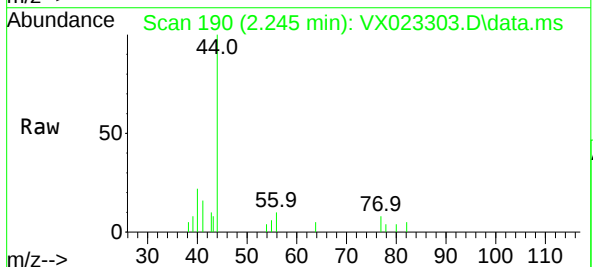
Tgt Ion: 59 Resp: 1862
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

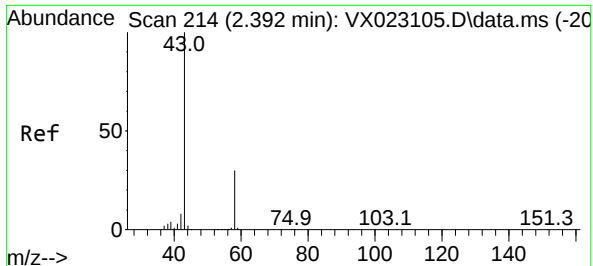


#13

Acrolein
Concen: 0.498 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.000 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

Tgt Ion: 56 Resp: 207
Ion Ratio Lower Upper
56 100
55 26.6 56.4 84.6#

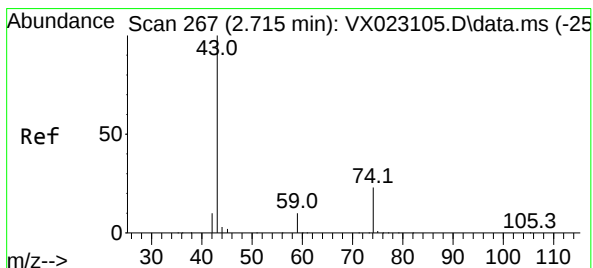
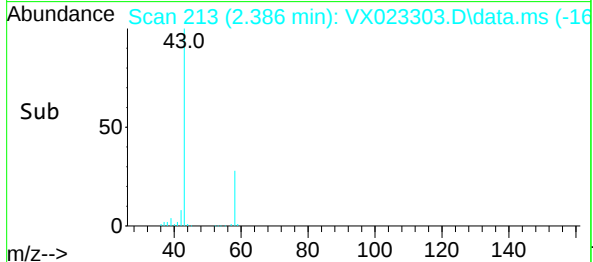
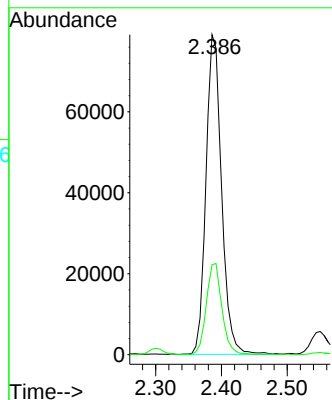
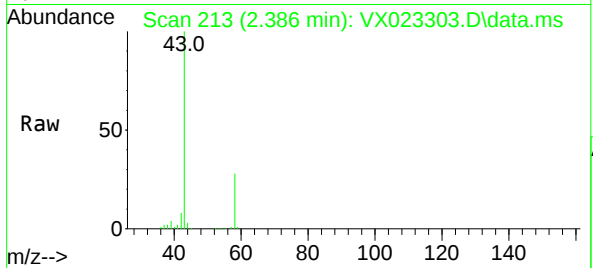




#16
Acetone
Concen: 110.810 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

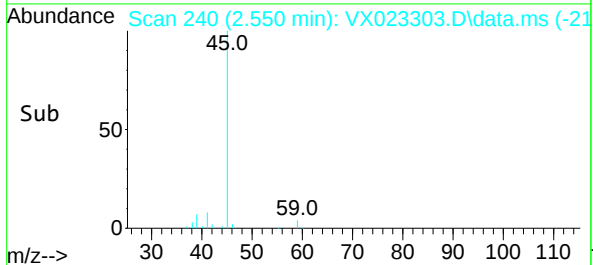
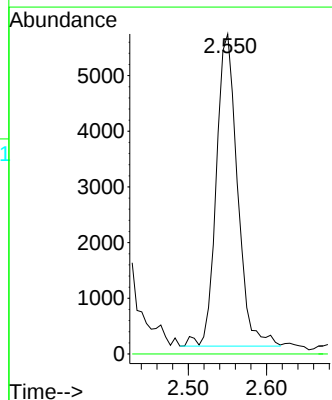
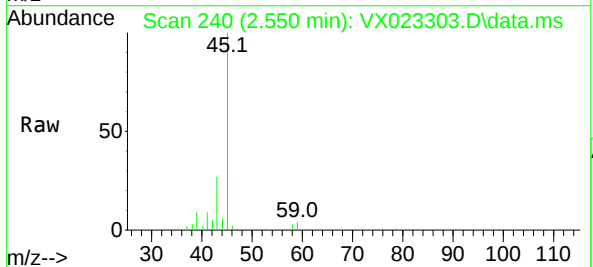
Instrument :
MSVOA_X
ClientSampled :

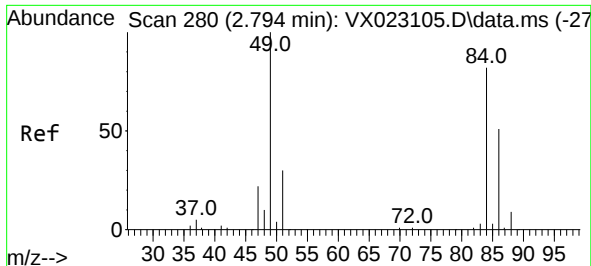
Tgt Ion: 43 Resp: 130206
Ion Ratio Lower Upper
43 100
58 28.2 27.8 41.8



#18
Methyl Acetate
Concen: 3.697 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.165 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

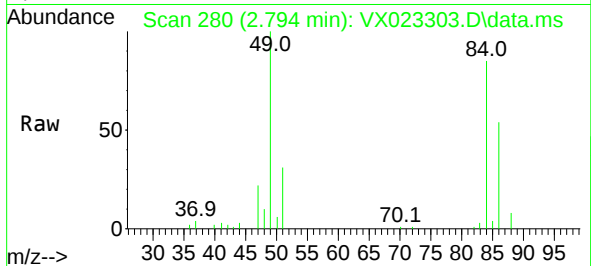
Tgt Ion: 43 Resp: 10544
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



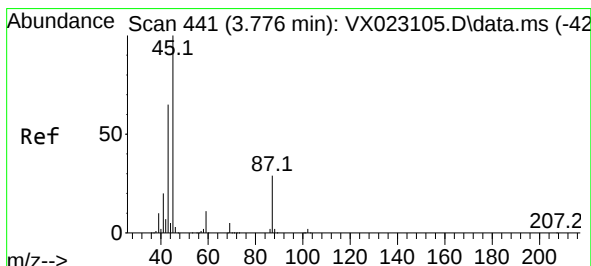
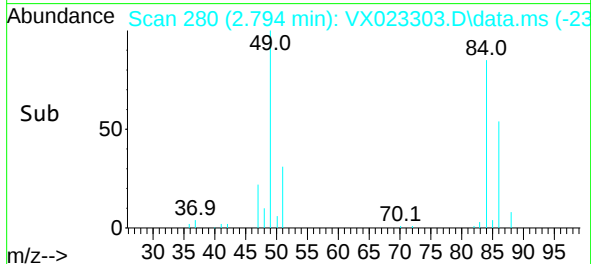
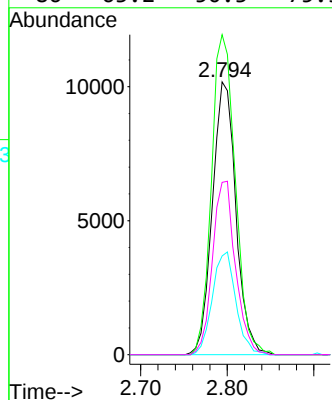


#20
Methylene Chloride
Concen: 7.602 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

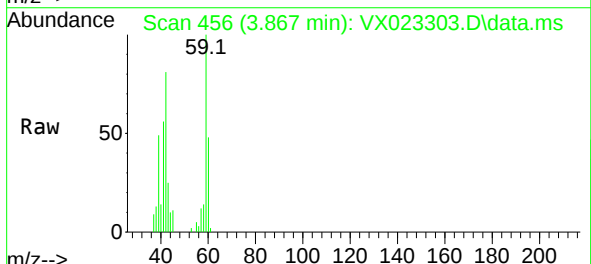
Instrument :
MSVOA_X
ClientSampled :



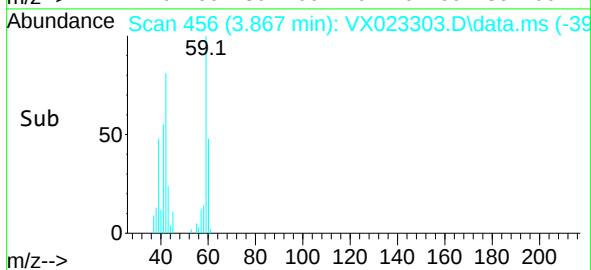
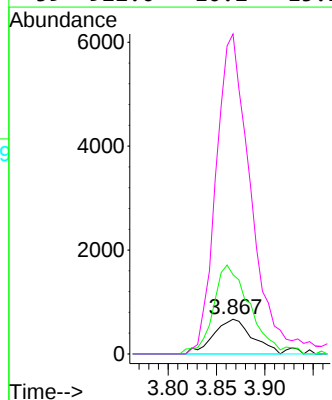
Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.3	88.6	132.8
51	36.2	27.0	40.6
86	63.2	50.3	75.5

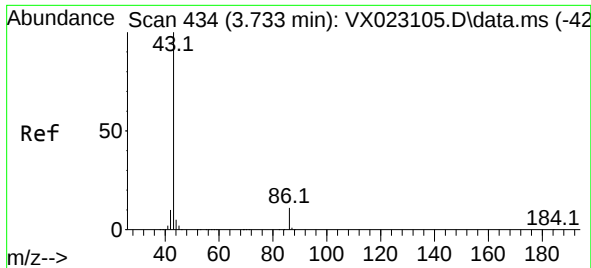


#22
Diisopropyl ether
Concen: 0.256 ug/l
RT: 3.867 min Scan# 456
Delta R.T. 0.091 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48



Tgt Ion	Ratio	Lower	Upper
45	100		
43	228.7	58.0	87.0#
87	0.0	25.4	38.0#
59	922.0	10.2	15.2#

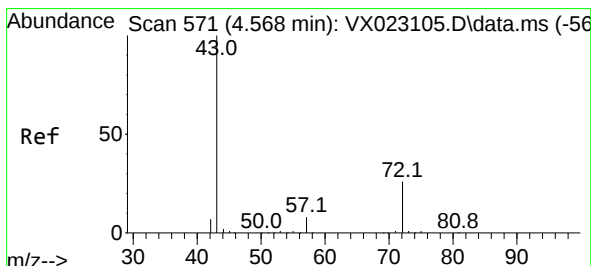
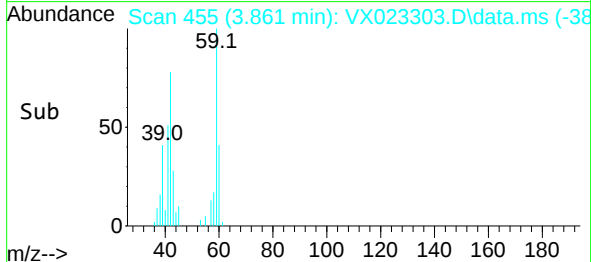
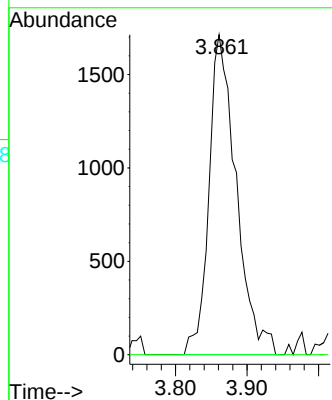
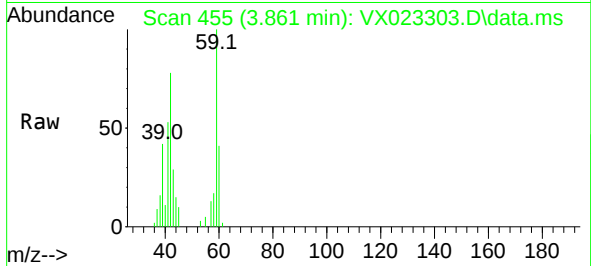




#23
 Vinyl Acetate
 Concen: 0.743 ug/l
 RT: 3.861 min Scan# 455
 Delta R.T. 0.128 min
 Lab File: VX023303.D
 Acq: 15 Jul 2021 16:48

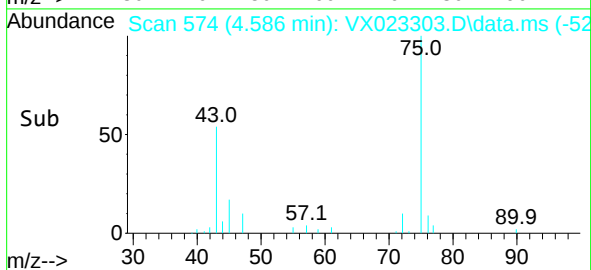
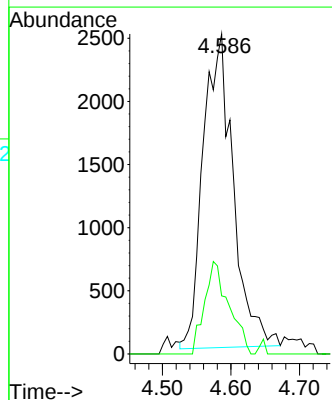
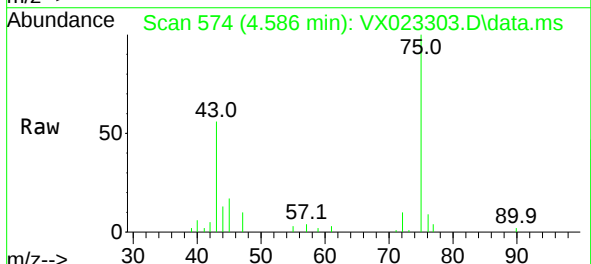
Instrument :
 MSVOA_X
 ClientSampled :

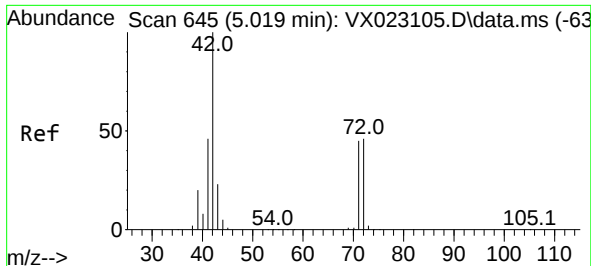
Tgt Ion: 43 Resp: 4538
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#25
 2-Butanone
 Concen: 4.276 ug/l
 RT: 4.586 min Scan# 574
 Delta R.T. 0.018 min
 Lab File: VX023303.D
 Acq: 15 Jul 2021 16:48

Tgt Ion: 43 Resp: 7576
 Ion Ratio Lower Upper
 43 100
 72 18.6 23.7 35.5#





#29

Tetrahydrofuran

Concen: 2.263 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

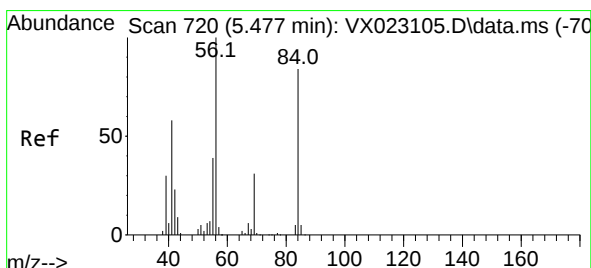
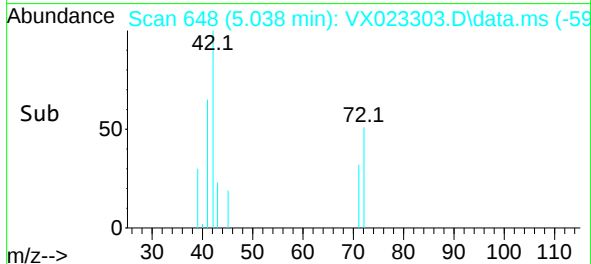
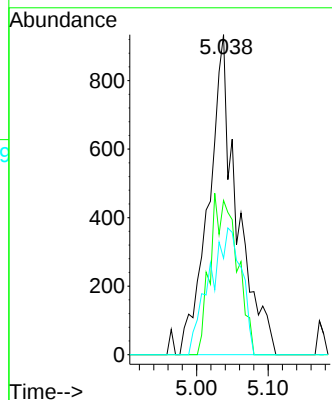
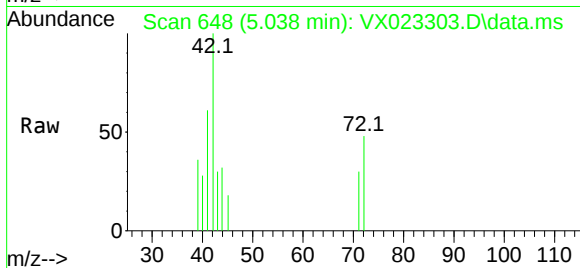
Lab File: VX023303.D

Acq: 15 Jul 2021 16:48

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 42 Resp: 2578

Ion	Ratio	Lower	Upper
42	100		
72	47.1	41.7	62.5
71	44.5	38.4	57.6



#31

Cyclohexane

Concen: 1.276 ug/l

RT: 5.568 min Scan# 735

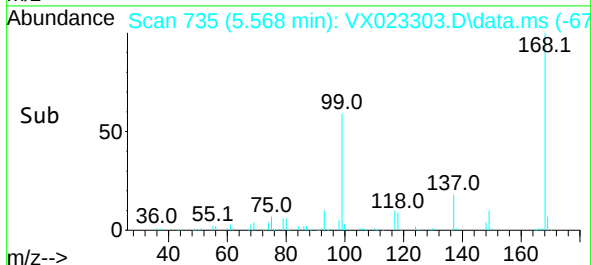
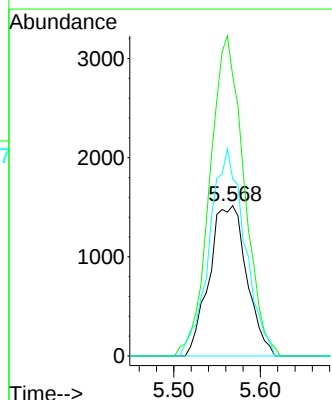
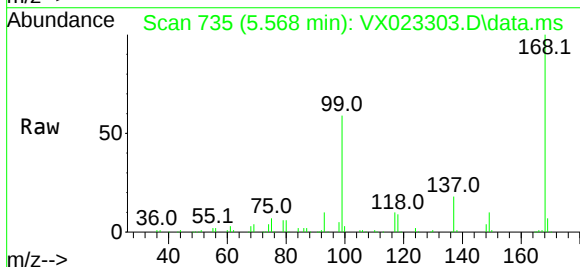
Delta R.T. 0.091 min

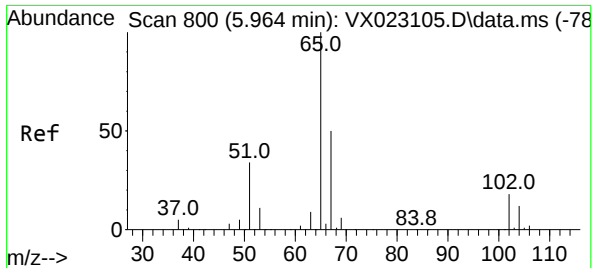
Lab File: VX023303.D

Acq: 15 Jul 2021 16:48

Tgt Ion: 56 Resp: 4537

Ion	Ratio	Lower	Upper
56	100		
69	186.5	25.3	37.9#
84	118.0	71.4	107.0#

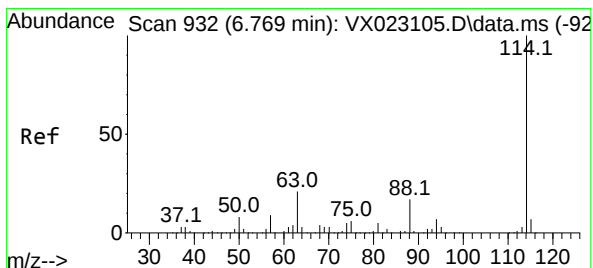
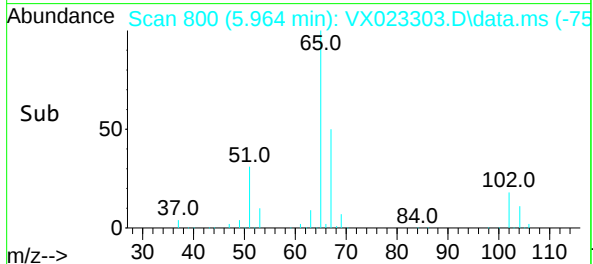
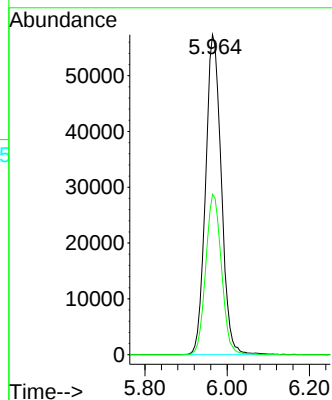
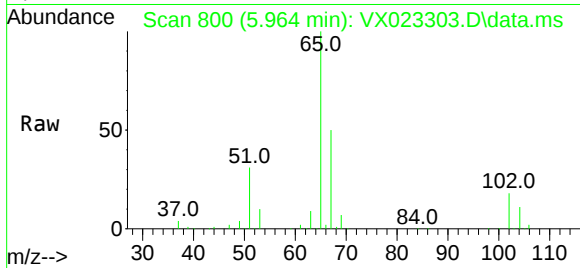




#33
 1,2-Dichloroethane-d4
 Concen: 51.251 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023303.D
 Acq: 15 Jul 2021 16:48

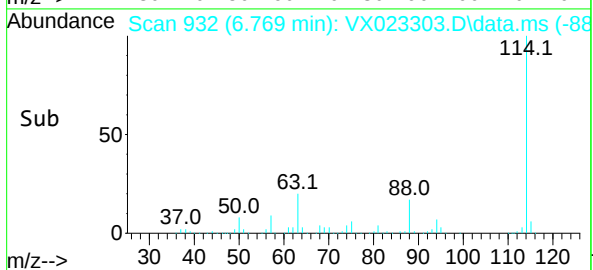
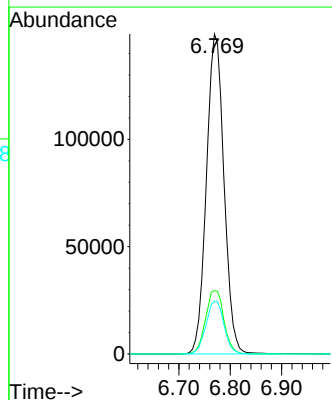
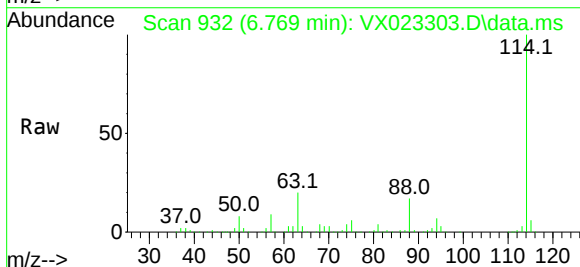
Instrument :
 MSVOA_X
 ClientSampled :

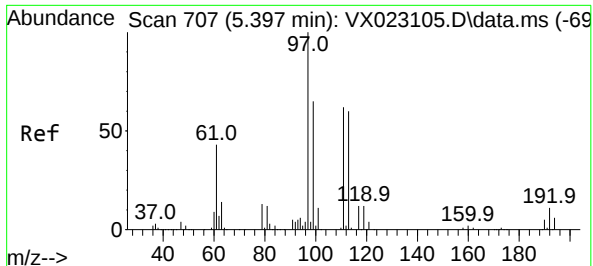
Tgt Ion: 65 Resp: 152218
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX023303.D
 Acq: 15 Jul 2021 16:48

Tgt Ion: 114 Resp: 353780
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.8
 88 16.5 0.0 32.8

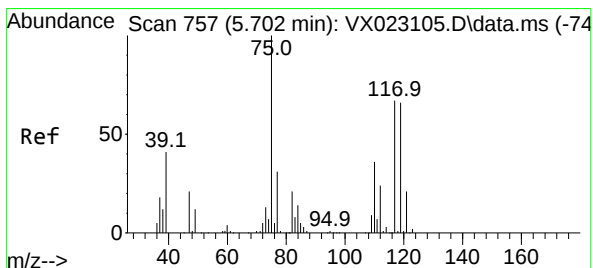
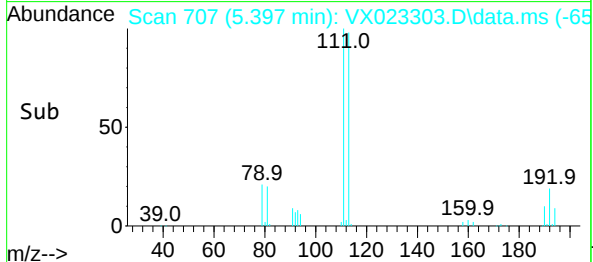
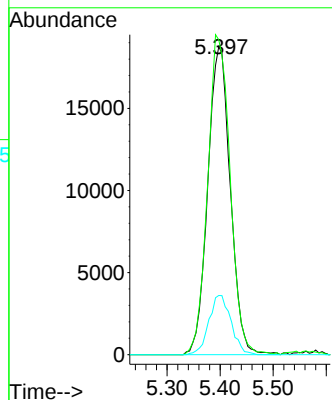
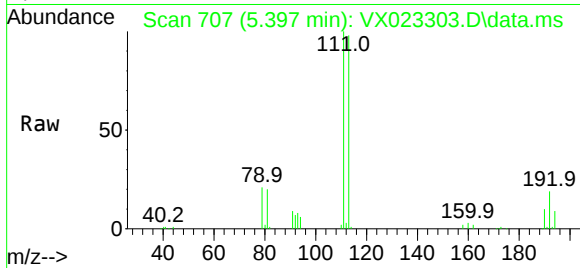




#35
Dibromofluoromethane
Concen: 24.240 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

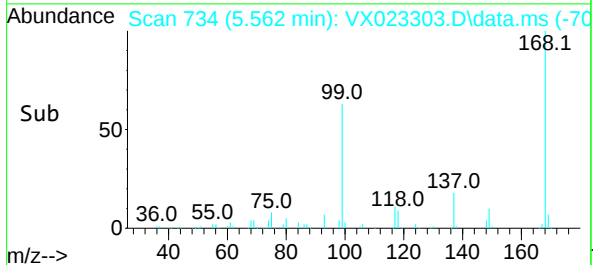
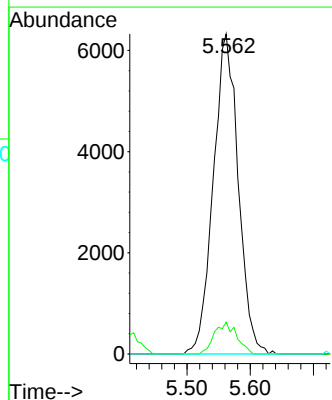
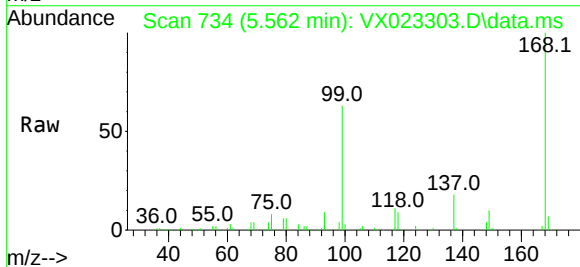
Instrument :
MSVOA_X
ClientSampled :

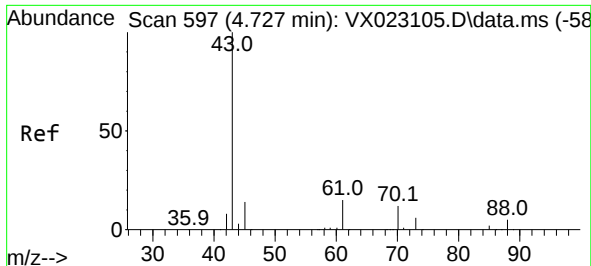
Tgt Ion:113 Resp: 55377
Ion Ratio Lower Upper
113 100
111 103.7 81.9 122.9
192 19.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.473 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

Tgt Ion: 75 Resp: 17261
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 2.236 ug/l

RT: 4.586 min Scan# 574

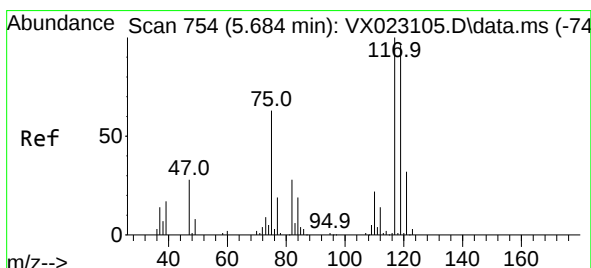
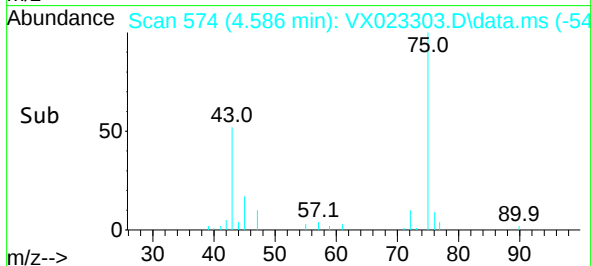
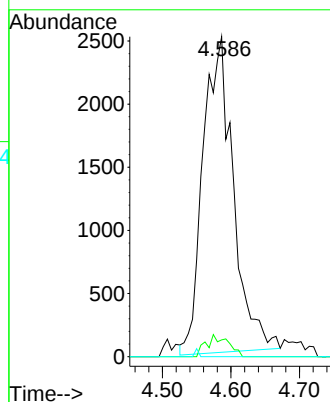
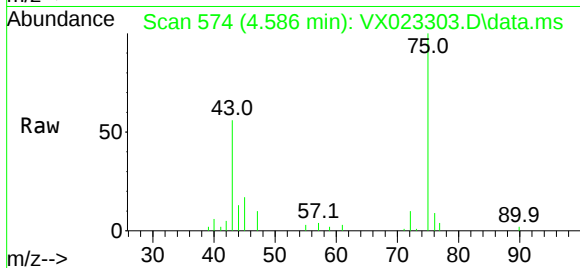
Delta R.T. -0.141 min

Lab File: VX023303.D

Acq: 15 Jul 2021 16:48

Tgt Ion:	43	Resp:	7694
Ion	Ratio	Lower	Upper
43	100		
61	5.0	12.8	19.2#
70	0.0	10.5	15.7#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 7.001 ug/l

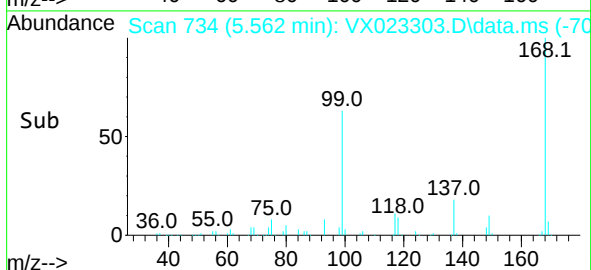
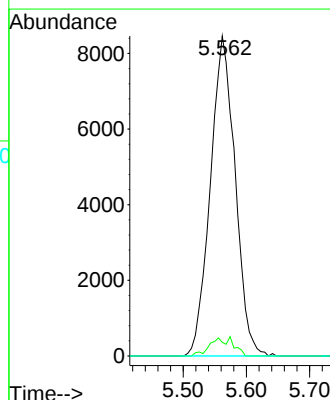
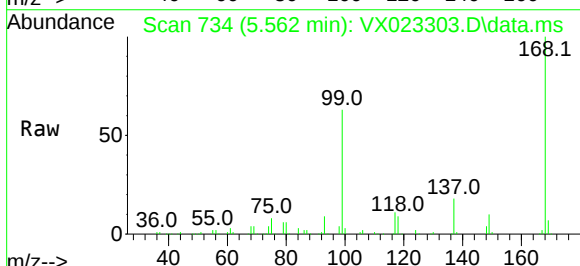
RT: 5.562 min Scan# 734

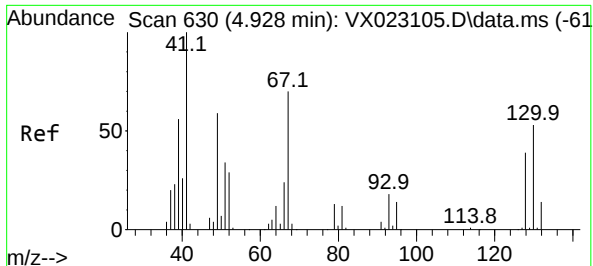
Delta R.T. -0.122 min

Lab File: VX023303.D

Acq: 15 Jul 2021 16:48

Tgt Ion:	117	Resp:	23049
Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.2	114.2#
121	0.0	24.8	37.2#

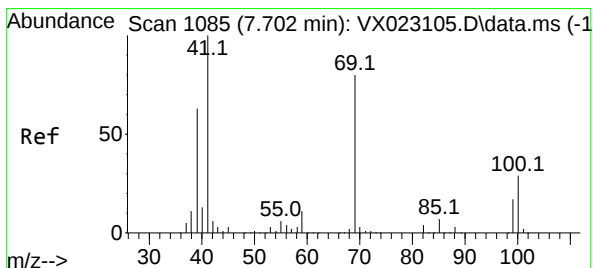
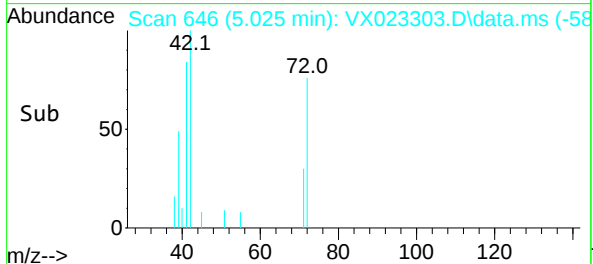
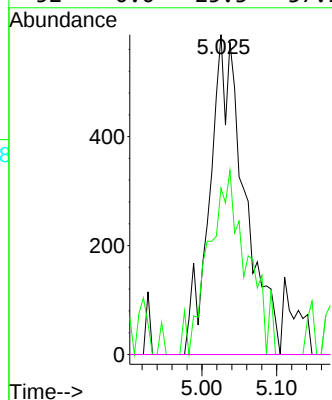
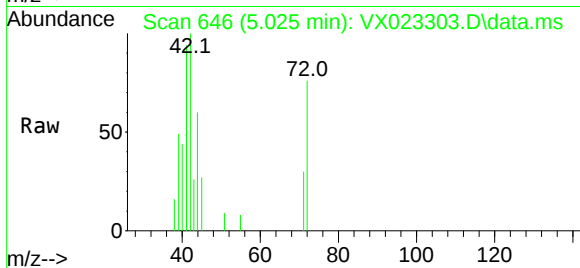




#41
Methacrylonitrile
Concen: 0.997 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.097 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

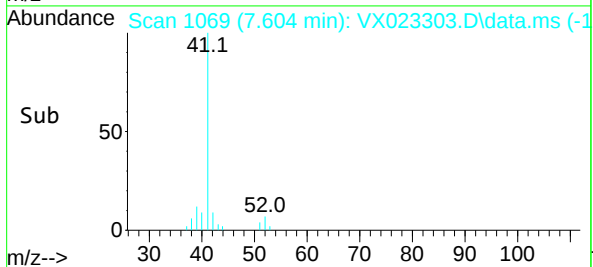
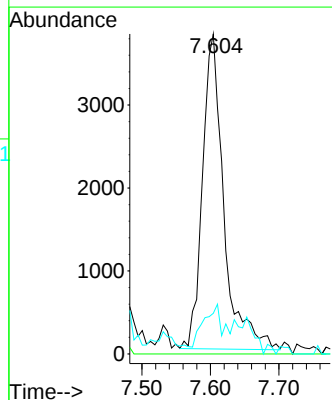
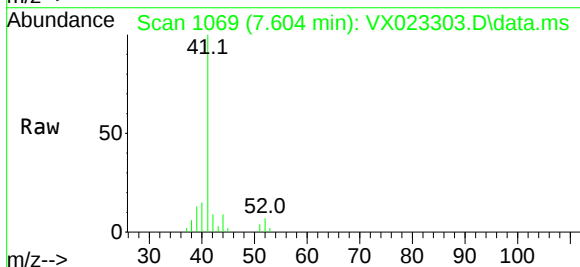
Instrument :
MSVOA_X
ClientSampleId :

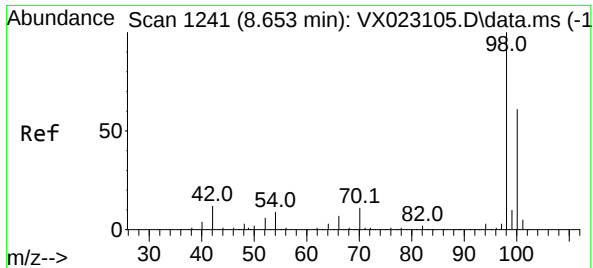
Tgt Ion:	41	Resp:	1917
Ion	Ratio	Lower	Upper
41	100		
39	61.2	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#48
Methyl methacrylate
Concen: 2.935 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

Tgt Ion:	41	Resp:	8241
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	11.6	44.6	67.0#

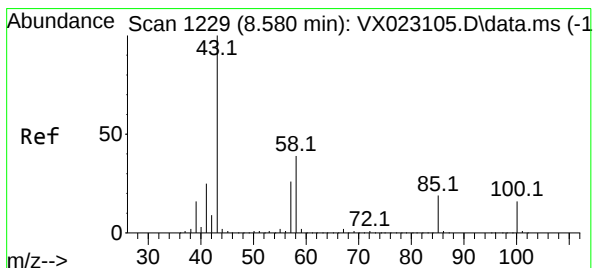
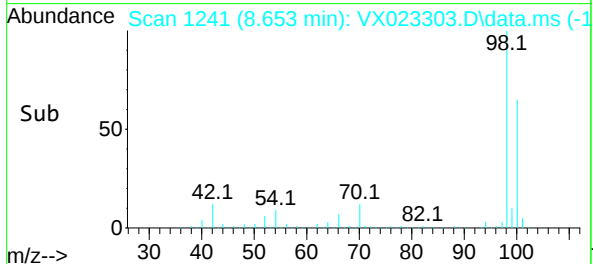
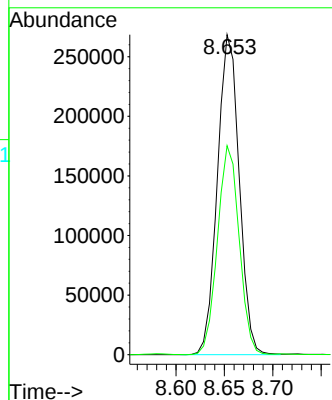
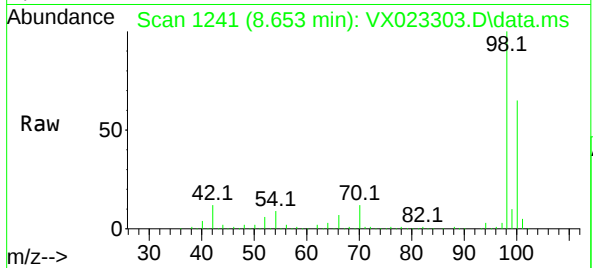




#50
Toluene-d8
Concen: 49.342 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

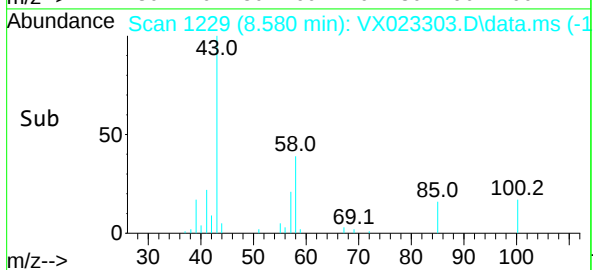
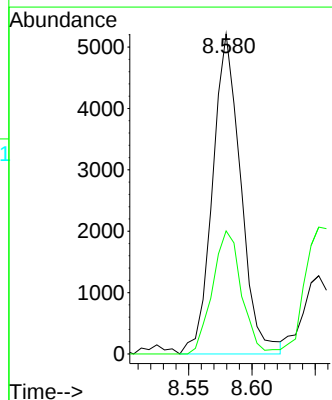
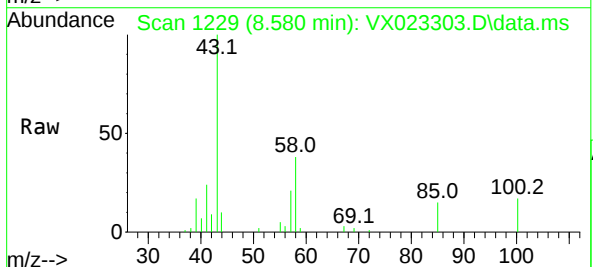
Instrument :
MSVOA_X
ClientSampled :

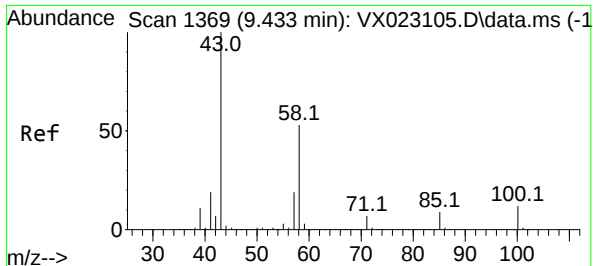
Tgt Ion: 98 Resp: 420487
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 2.279 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

Tgt Ion: 43 Resp: 8081
Ion Ratio Lower Upper
43 100
58 39.9 35.4 53.0

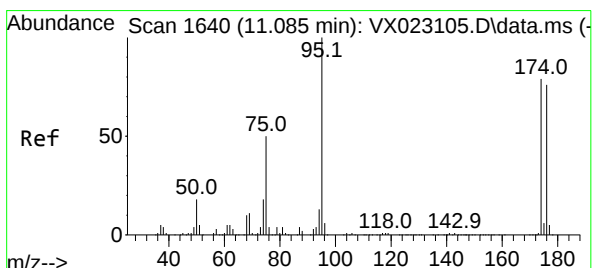
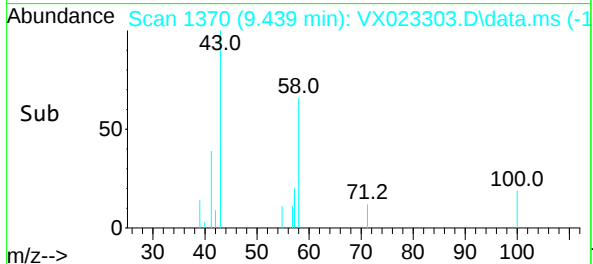
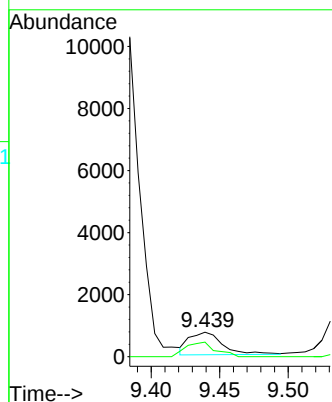
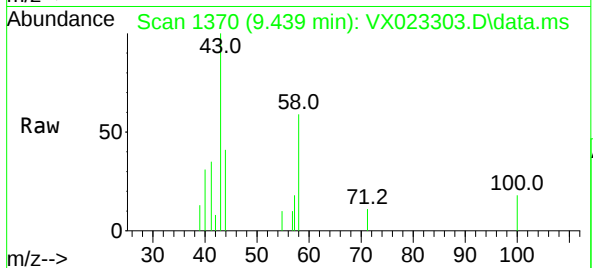




#59
2-Hexanone
Concen: 0.459 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

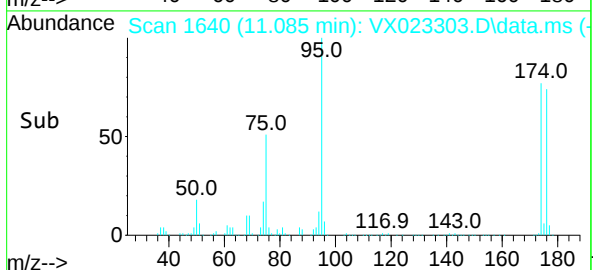
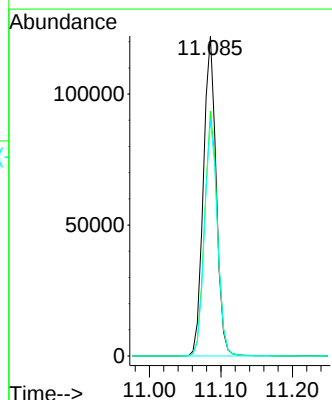
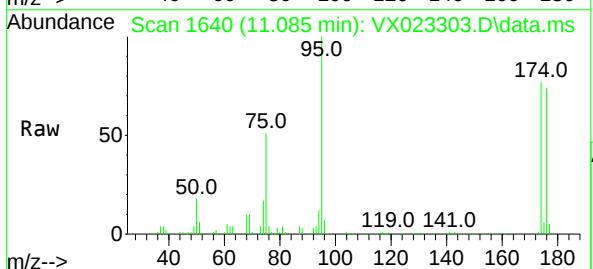
Instrument :
MSVOA_X
ClientSampled :

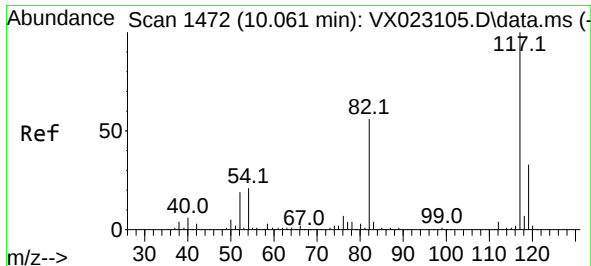
Tgt Ion: 43 Resp: 1250
Ion Ratio Lower Upper
43 100
58 56.7 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 46.026 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

Tgt Ion: 95 Resp: 151424
Ion Ratio Lower Upper
95 100
174 77.0 0.0 154.6
176 74.2 0.0 155.8

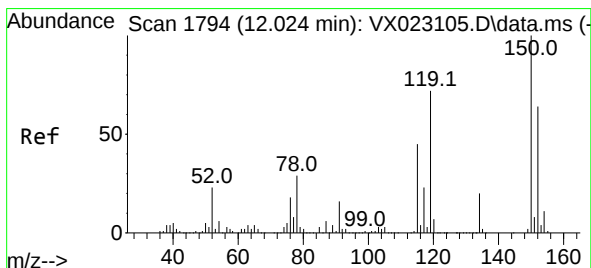
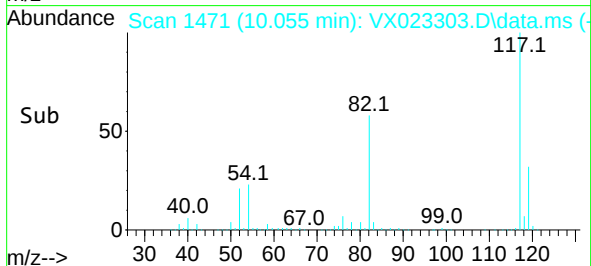
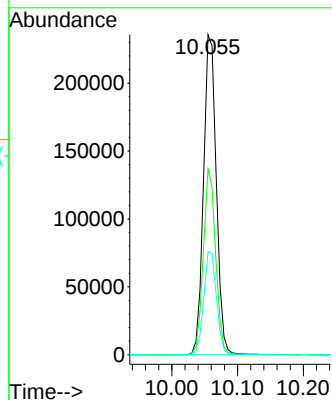
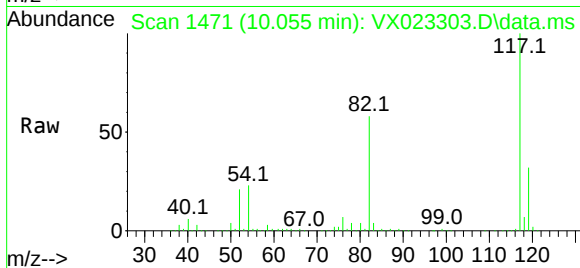




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

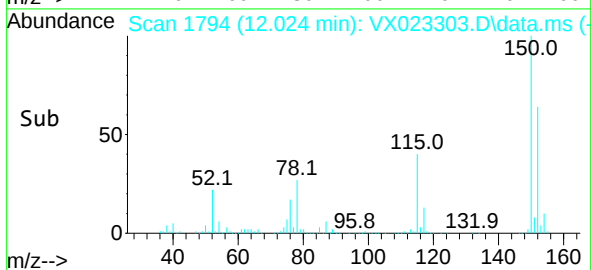
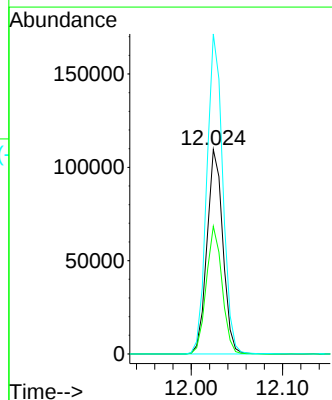
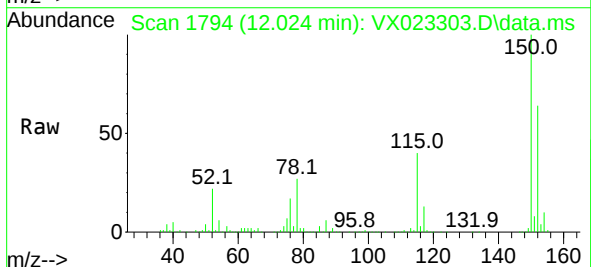
Instrument :
MSVOA_X
ClientSampleId :

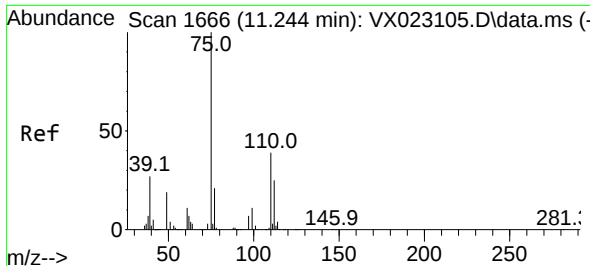
Tgt Ion:117 Resp: 318463
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 32.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

Tgt Ion:152 Resp: 132132
Ion Ratio Lower Upper
152 100
115 62.0 41.1 123.3
150 157.0 0.0 349.0

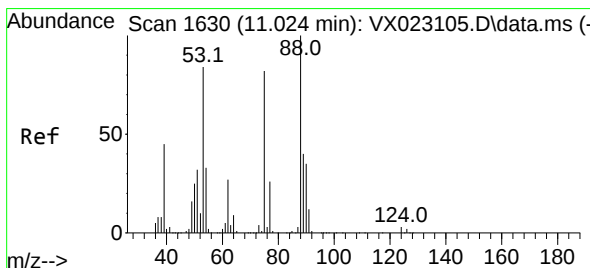
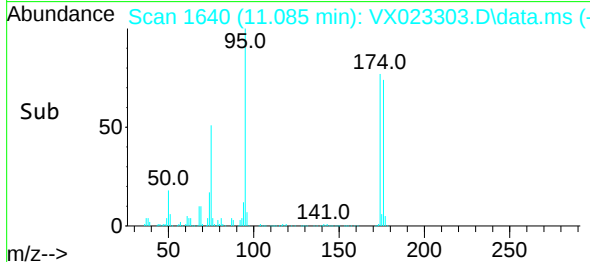
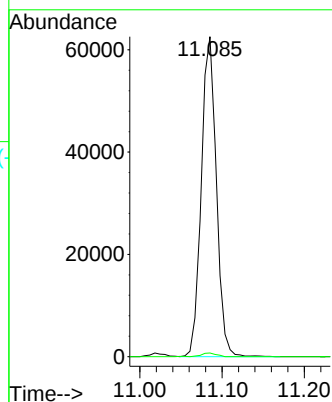
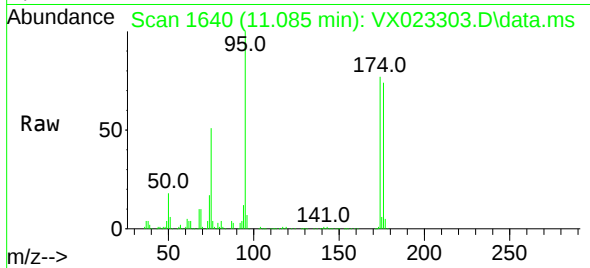




#76
1,2,3-Trichloropropane
Concen: 29.955 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

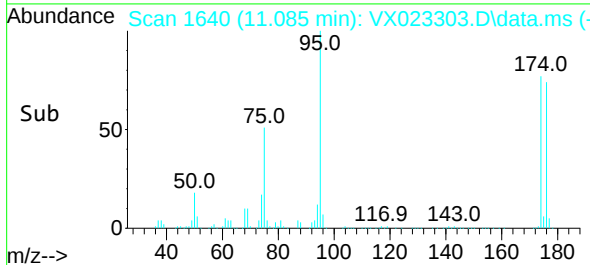
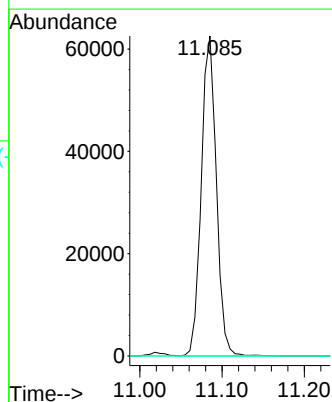
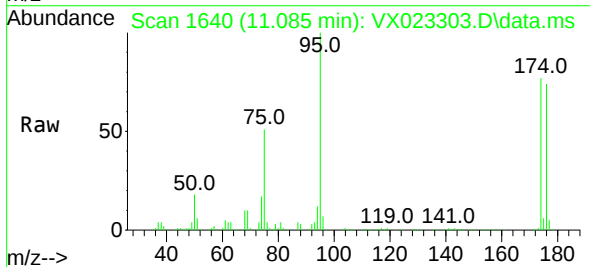
Instrument :
MSVOA_X
ClientSampled :

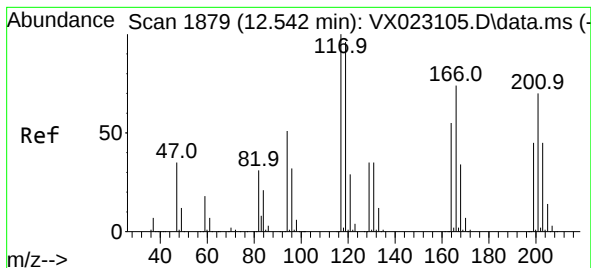
Tgt Ion: 75 Resp: 79648
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.436 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

Tgt Ion: 75 Resp: 79648
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

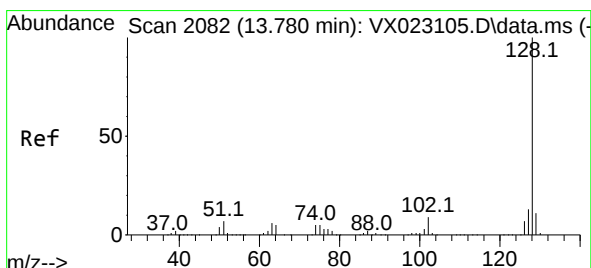
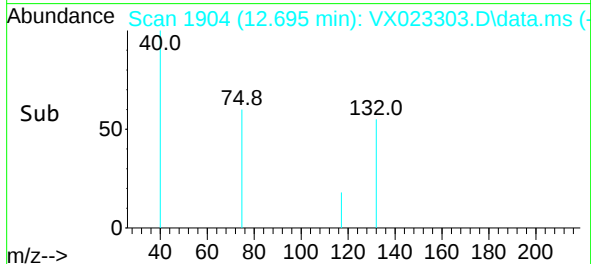
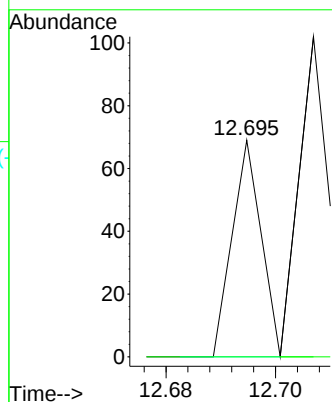
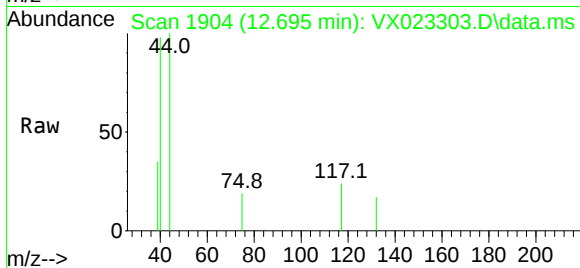




#90
Hexachloroethane
Concen: 3.012 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.153 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:117 Resp: 25
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#95
Naphthalene
Concen: 1.312 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023303.D
Acq: 15 Jul 2021 16:48

Tgt Ion:128 Resp: 370
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

