

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023710.D
 Acq On : 14 Aug 2021 00:04
 Operator : JC/MD
 Sample : M3371-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:33:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

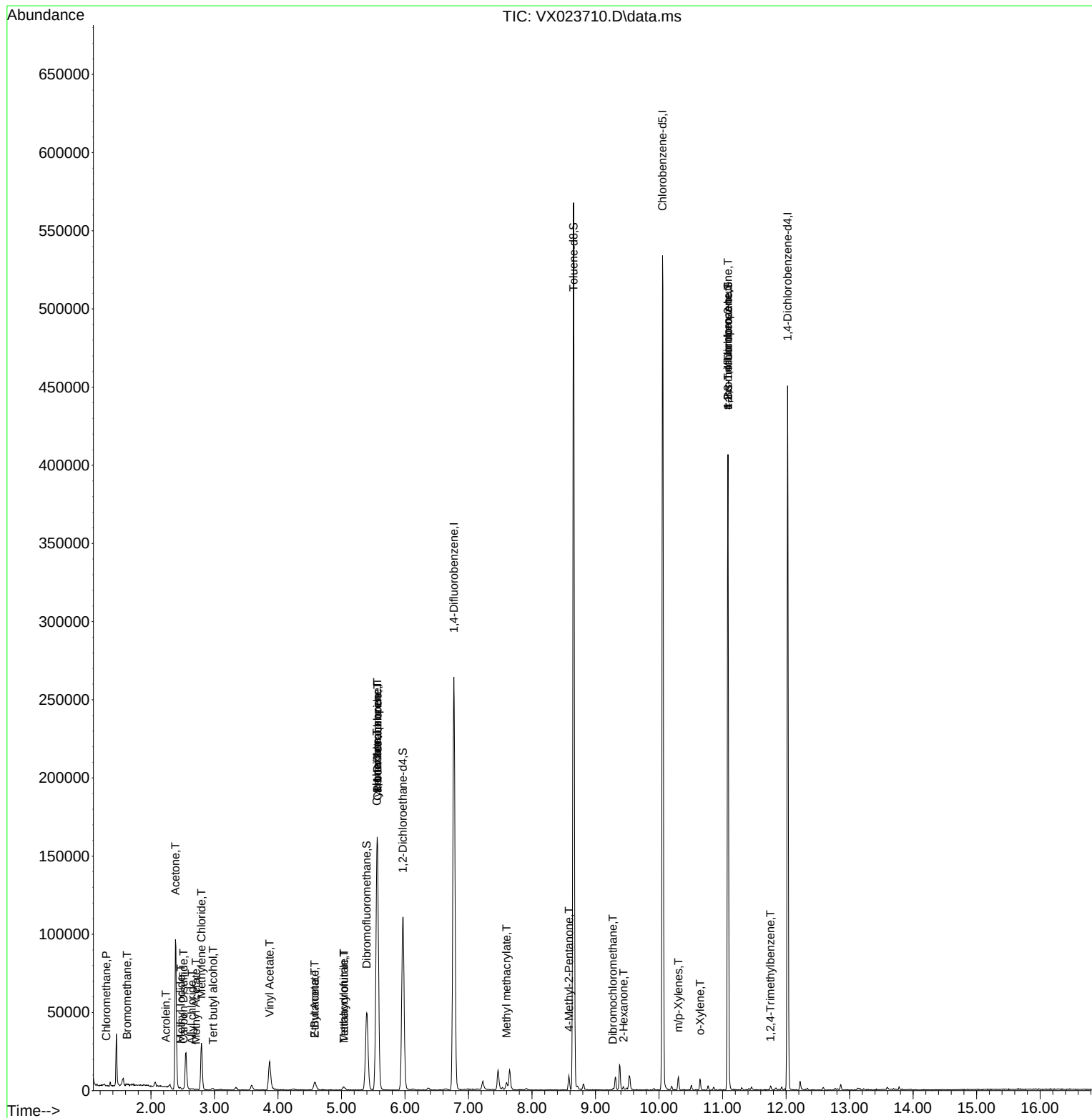
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	151028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	261715	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89092	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107719	57.177	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.360%	
35) Dibromofluoromethane	5.397	113	42209	25.794	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 51.580%#	
50) Toluene-d8	8.653	98	319470	53.139	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.280%	
62) 4-Bromofluorobenzene	11.085	95	102925	50.347	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.700%	
Target Compounds						Qvalue
3) Chloromethane	1.294	50	339	0.209	ug/l #	81
5) Bromomethane	1.624	94	567	0.583	ug/l #	73
10) Methyl Iodide	2.471	142	984	0.525	ug/l #	89
11) Tert butyl alcohol	2.977	59	838	1.947	ug/l #	73
13) Acrolein	2.233	56	44	1.564	ug/l #	1
14) Allyl chloride	2.642	41	587	0.218	ug/l #	73
16) Acetone	2.386	43	99785	107.975	ug/l	90
17) Carbon Disulfide	2.514	76	836	0.228	ug/l #	75
18) Methyl Acetate	2.709	43	484	0.220	ug/l #	47
20) Methylene Chloride	2.794	84	12486	6.946	ug/l #	88
23) Vinyl Acetate	3.867	43	3043	0.647	ug/l #	68
25) 2-Butanone	4.574	43	8462	5.898	ug/l	92
29) Tetrahydrofuran	5.038	42	1464	1.557	ug/l #	84
31) Cyclohexane	5.556	56	3625	1.299	ug/l #	35
36) 1,1-Dichloropropene	5.562	75	11529	4.870	ug/l #	50
37) Ethyl Acetate	4.574	43	8462	2.835	ug/l #	64
38) Carbon Tetrachloride	5.568	117	15446	6.415	ug/l #	16
41) Methacrylonitrile	5.038	41	1149	0.729	ug/l #	42
48) Methyl methacrylate	7.598	41	6090	2.843	ug/l #	19
51) 4-Methyl-2-Pentanone	8.580	43	5295	1.872	ug/l	86
59) 2-Hexanone	9.439	43	1050	0.489	ug/l	77
60) Dibromochloromethane	9.275	129	61	2.013	ug/l #	11
68) m/p-Xylenes	10.305	106	2041	0.632	ug/l	89
69) o-Xylene	10.646	106	1250	0.390	ug/l	86
76) 1,2,3-Trichloropropane	11.085	75	54528	27.813	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	54528	74.785	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	1116	0.205	ug/l #	60

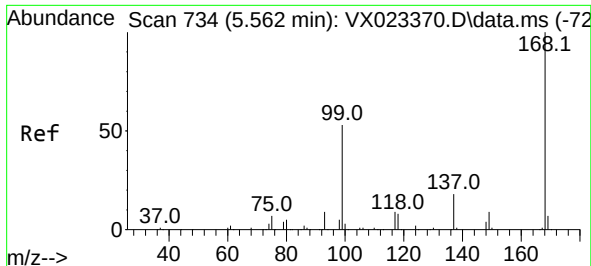
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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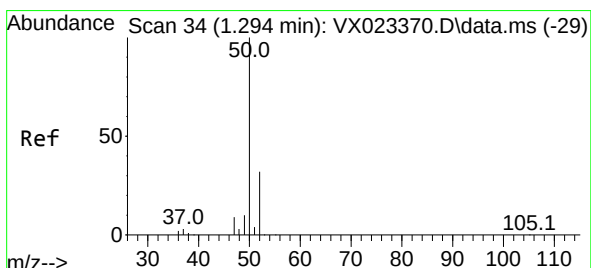
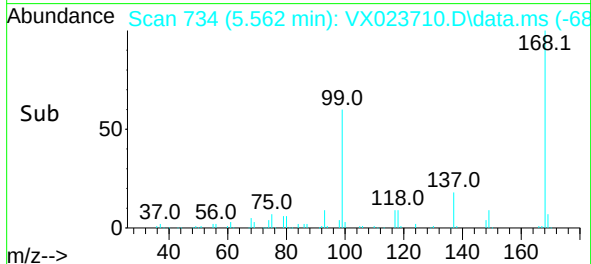
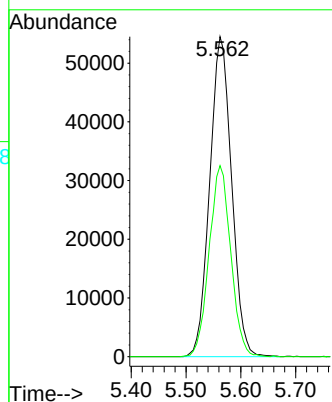
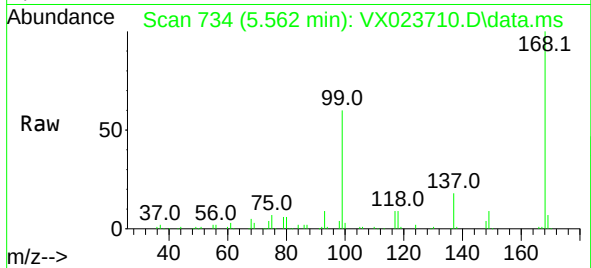




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

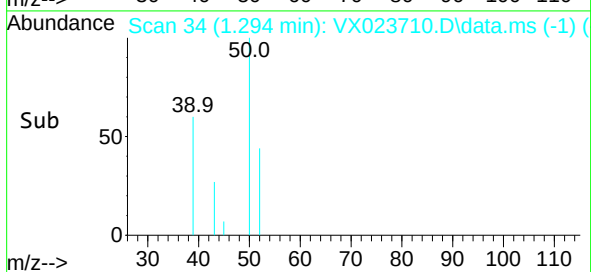
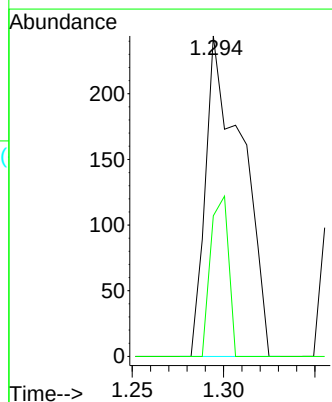
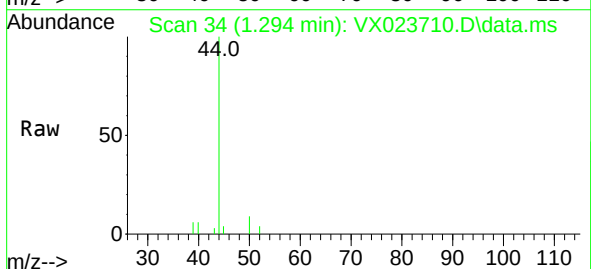
Instrument :
MSVOA_X
ClientSampleId :

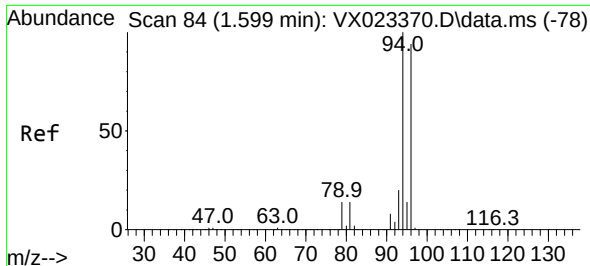
Tgt Ion:168 Resp: 151028
Ion Ratio Lower Upper
168 100
99 59.7 45.8 68.6



#3
Chloromethane
Concen: 0.209 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

Tgt Ion: 50 Resp: 339
Ion Ratio Lower Upper
50 100
52 43.9 26.4 39.6#

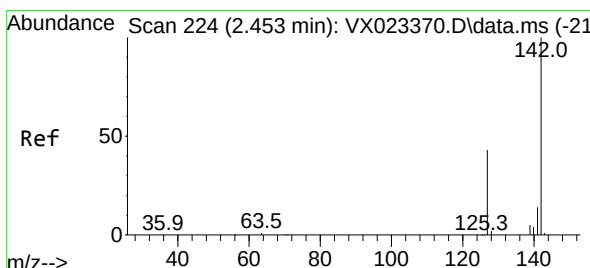
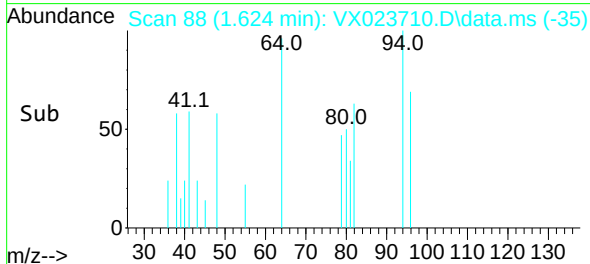
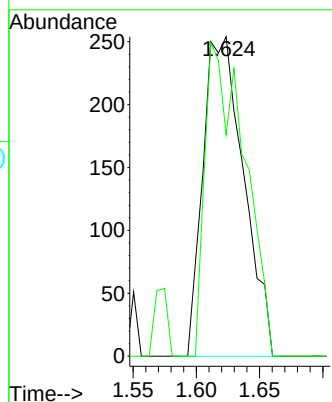
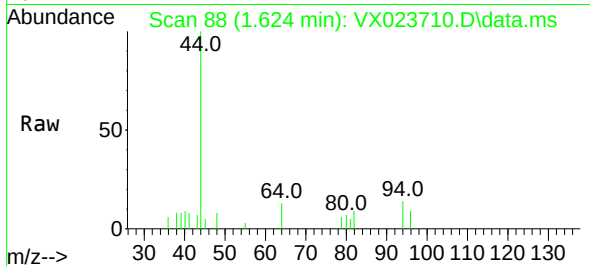




#5
Bromomethane
Concen: 0.583 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

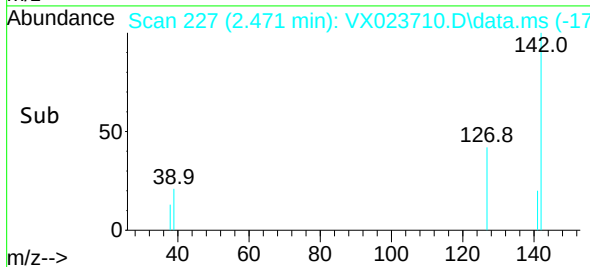
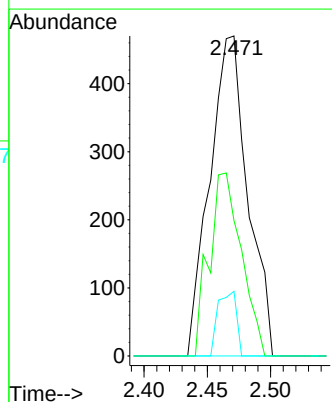
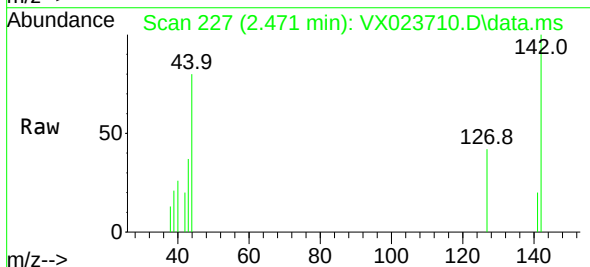
Instrument :
MSVOA_X
ClientSampled :

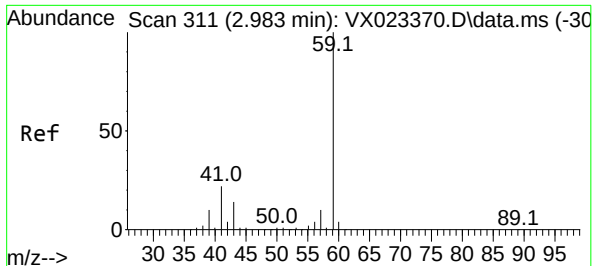
Tgt Ion: 94 Resp: 567
Ion Ratio Lower Upper
94 100
96 69.3 76.4 114.6#



#10
Methyl Iodide
Concen: 0.525 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

Tgt Ion: 142 Resp: 984
Ion Ratio Lower Upper
142 100
127 48.4 33.3 49.9
141 9.8 11.4 17.0#



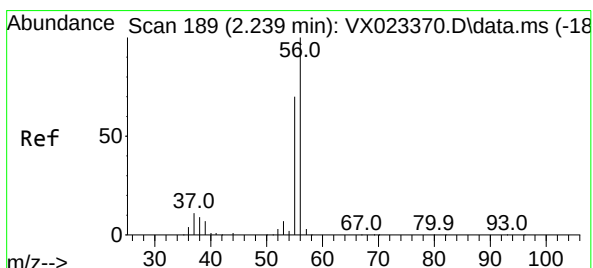
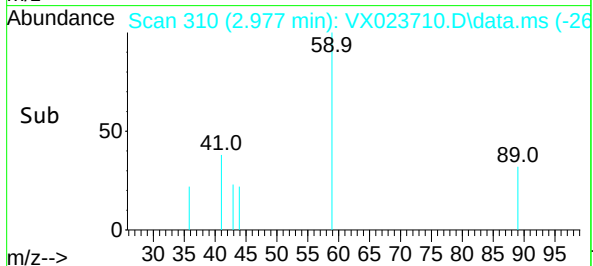
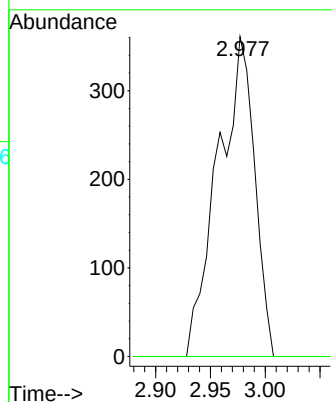
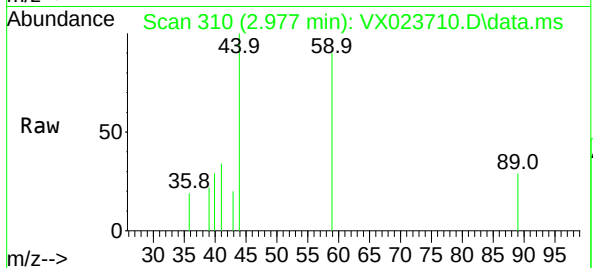


#11

Tert butyl alcohol
Concen: 1.947 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

Instrument :
MSVOA_X
ClientSampled :

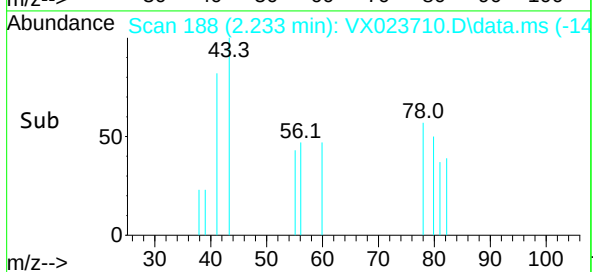
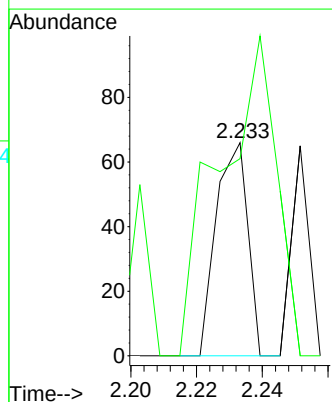
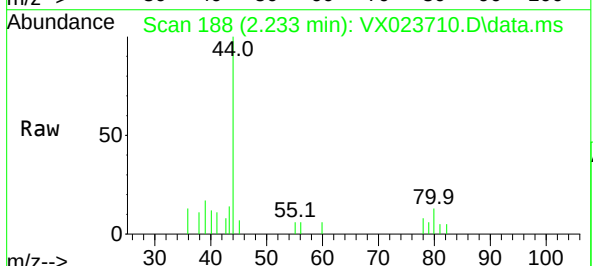
Tgt Ion: 59 Resp: 838
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

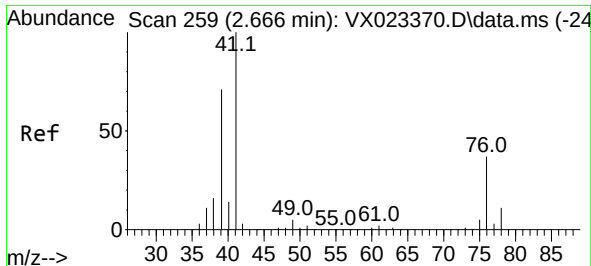


#13

Acrolein
Concen: 1.564 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

Tgt Ion: 56 Resp: 44
Ion Ratio Lower Upper
56 100
55 272.7 56.4 84.6#

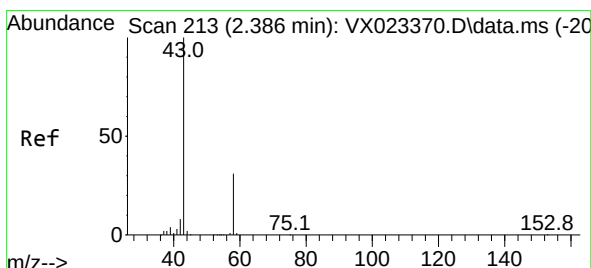
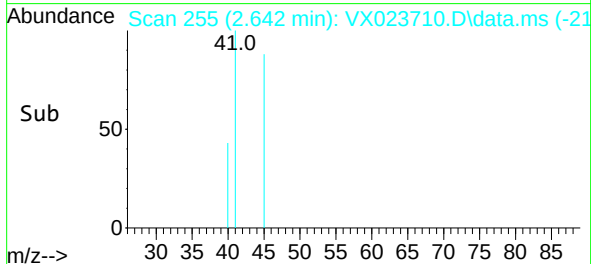
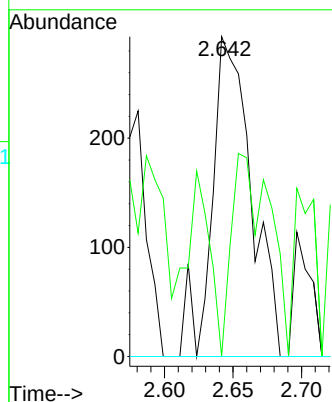
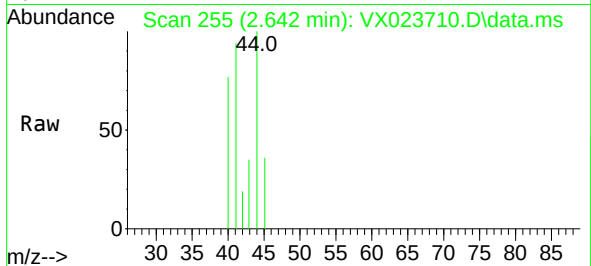




#14
 Allyl chloride
 Concen: 0.218 ug/l
 RT: 2.642 min Scan# 255
 Delta R.T. -0.024 min
 Lab File: VX023710.D
 Acq: 14 Aug 2021 00:04

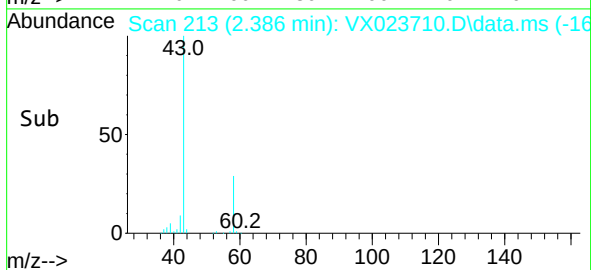
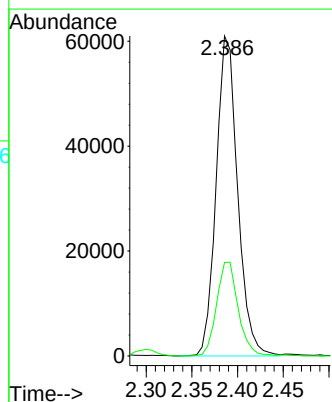
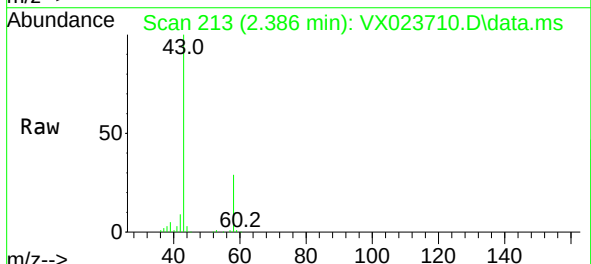
Instrument :
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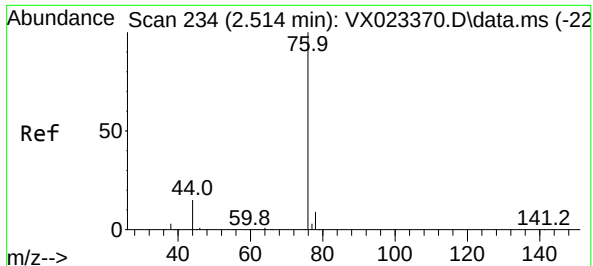
Tgt Ion: 41 Resp: 587
 Ion Ratio Lower Upper
 41 100
 39 60.6 51.6 77.4
 76 0.0 30.5 45.7#



#16
 Acetone
 Concen: 107.975 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX023710.D
 Acq: 14 Aug 2021 00:04

Tgt Ion: 43 Resp: 99785
 Ion Ratio Lower Upper
 43 100
 58 29.2 27.8 41.8

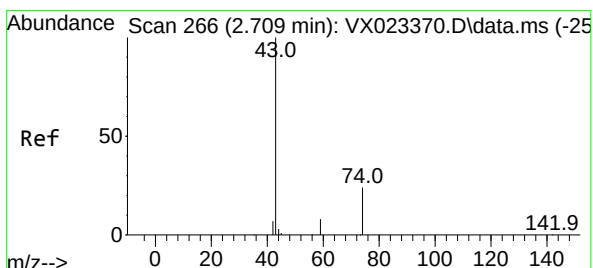
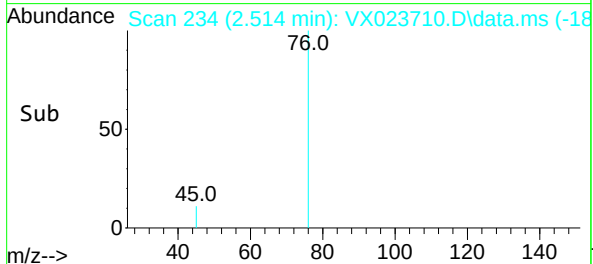
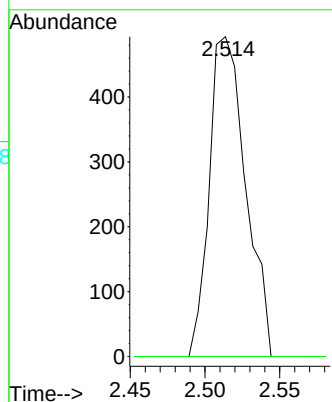
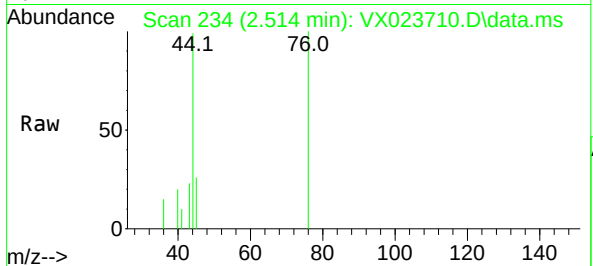




#17
Carbon Disulfide
Concen: 0.228 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

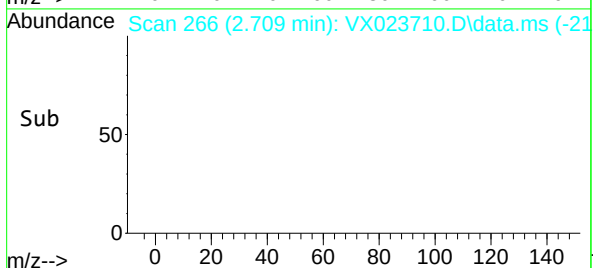
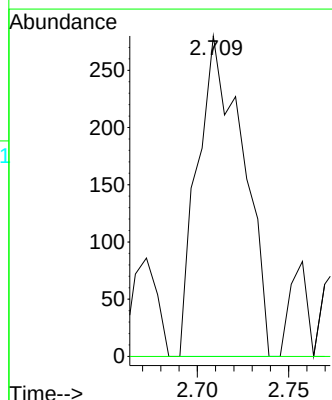
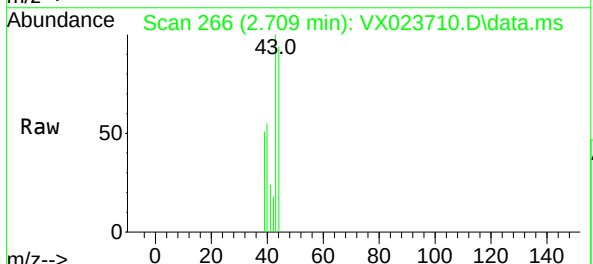
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MSVOA_X
ClientSampled :

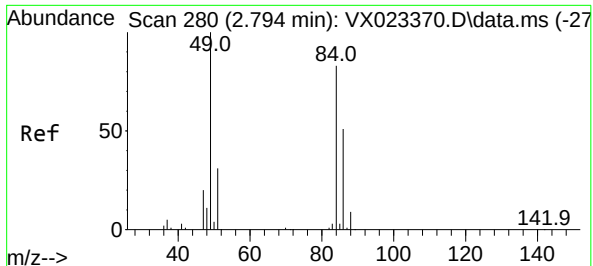
Tgt Ion: 76 Resp: 836
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.220 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

Tgt Ion: 43 Resp: 484
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#

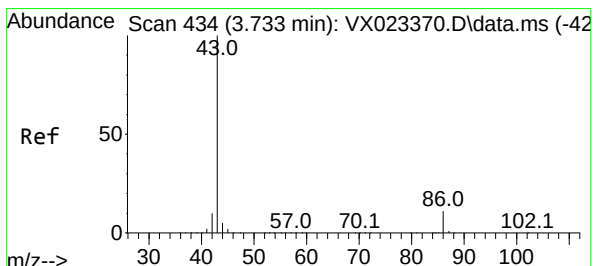
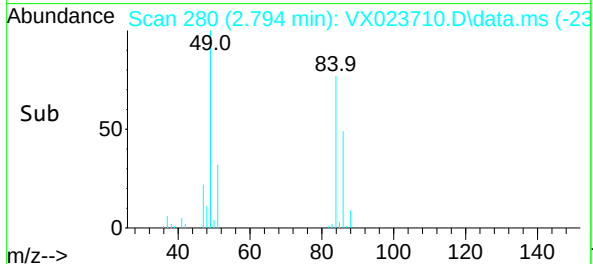
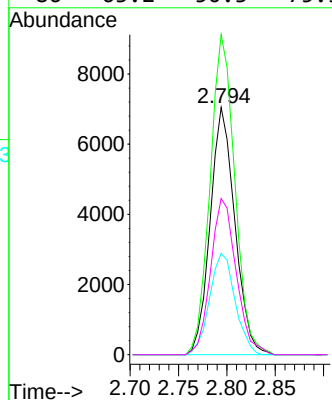
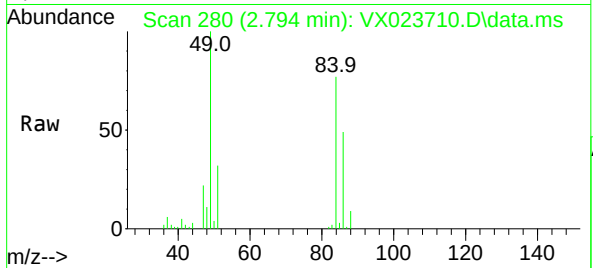




#20
Methylene Chloride
Concen: 6.946 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

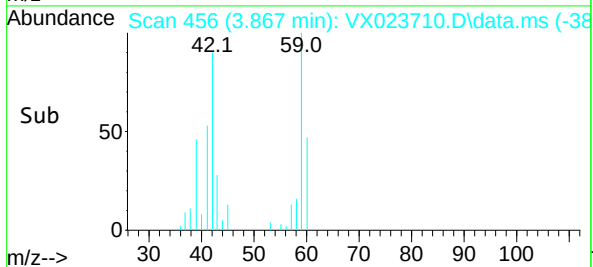
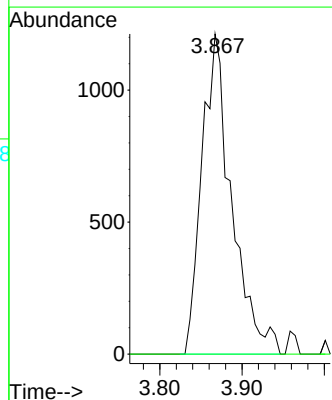
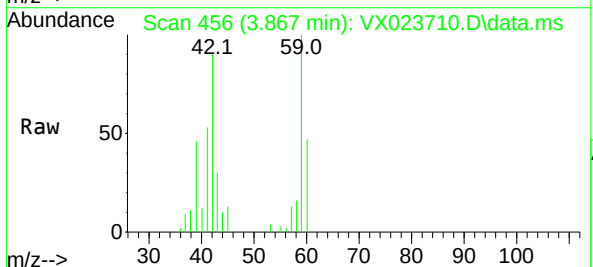
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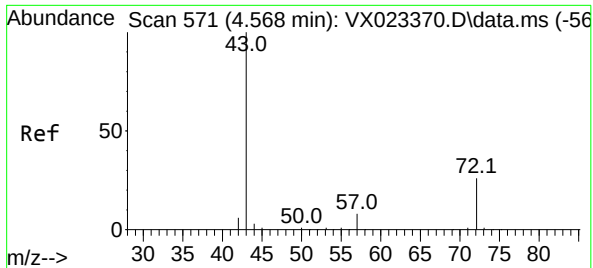
Tgt Ion:	84	Resp:	12486
Ion	Ratio	Lower	Upper
84	100		
49	129.5	88.6	132.8
51	41.0	27.0	40.6#
86	63.2	50.3	75.5



#23
Vinyl Acetate
Concen: 0.647 ug/l
RT: 3.867 min Scan# 456
Delta R.T. 0.134 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

Tgt Ion:	43	Resp:	3043
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.9	14.9#

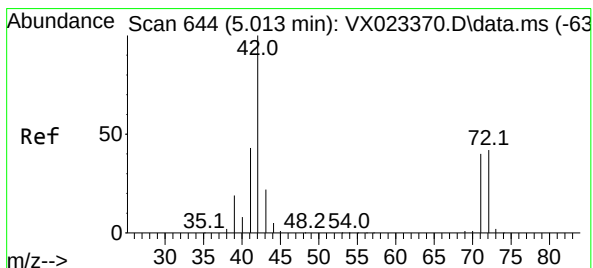
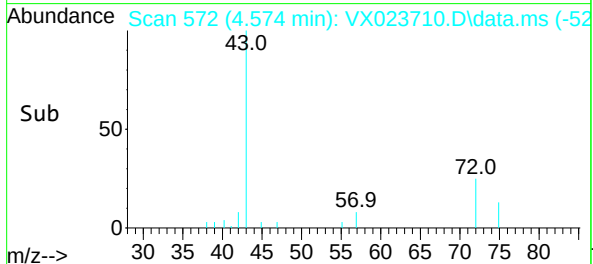
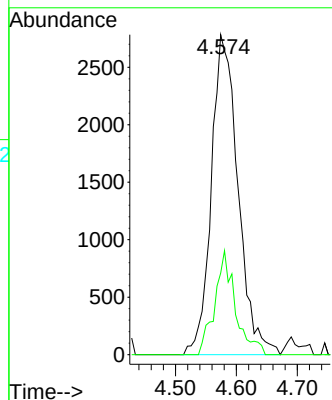
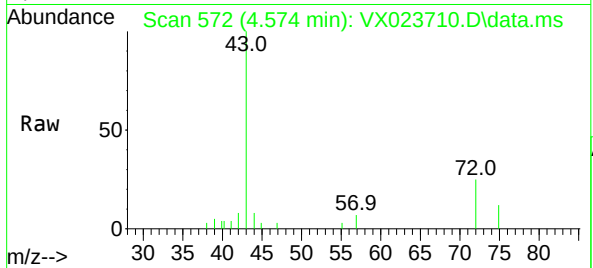




#25
2-Butanone
Concen: 5.898 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

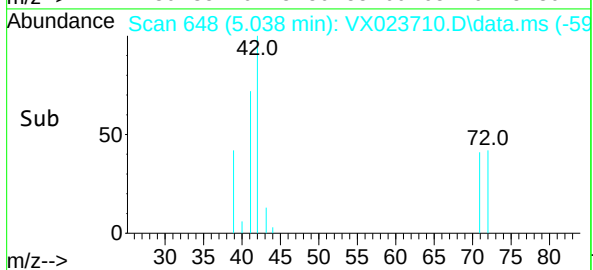
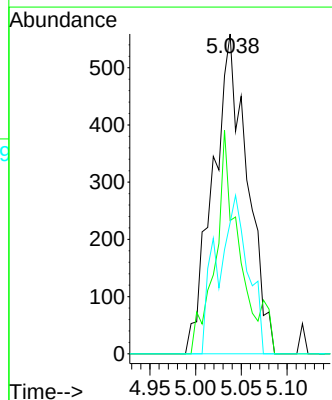
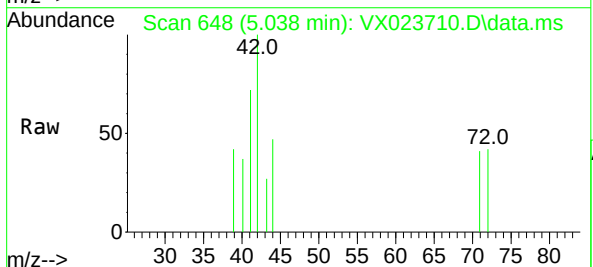
Instrument :
MSVOA_X
ClientSampled :

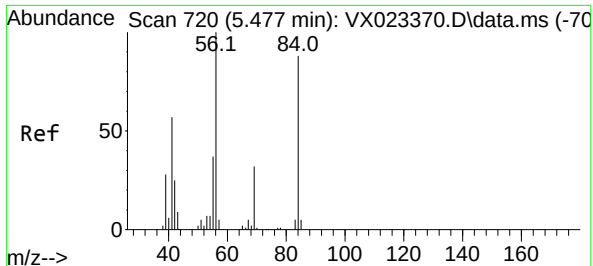
Tgt Ion: 43 Resp: 8462
Ion Ratio Lower Upper
43 100
72 25.5 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.557 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

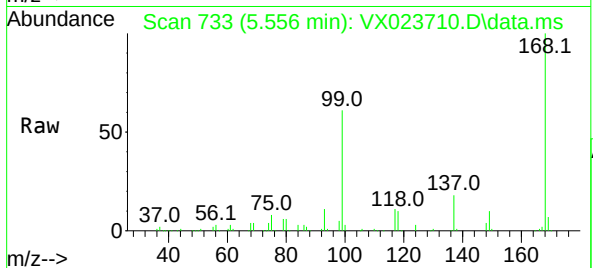
Tgt Ion: 42 Resp: 1464
Ion Ratio Lower Upper
42 100
72 45.7 41.7 62.5
71 32.4 38.4 57.6#



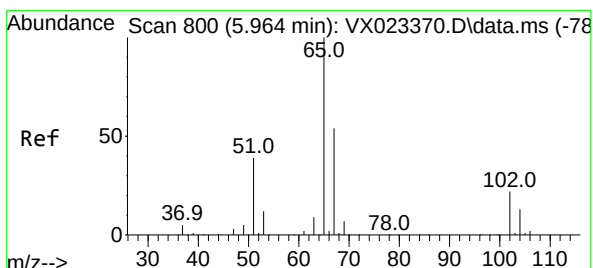
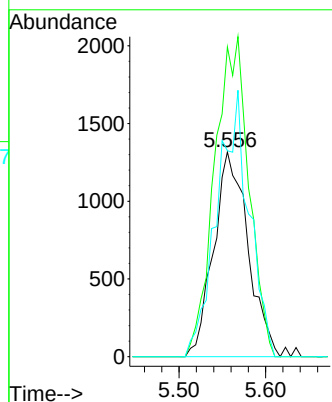
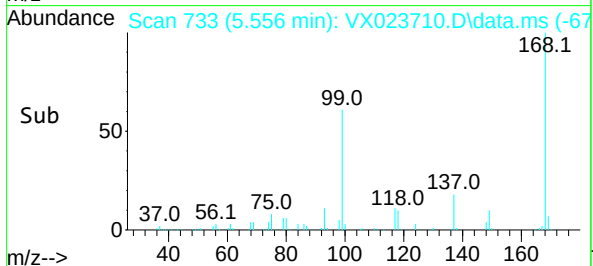


#31
Cyclohexane
Concen: 1.299 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

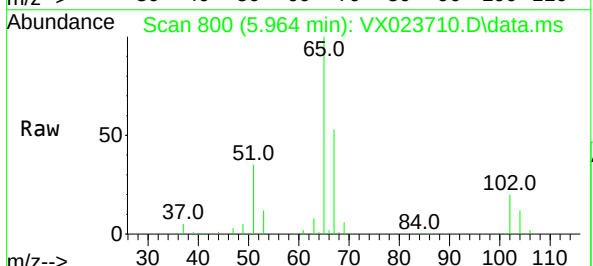
Instrument :
MSVOA_X
ClientSampleId :



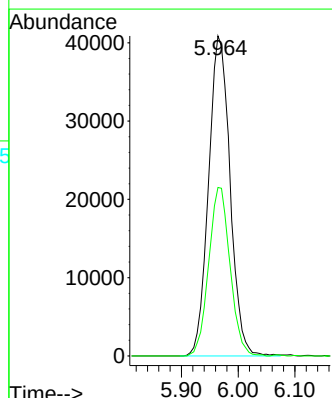
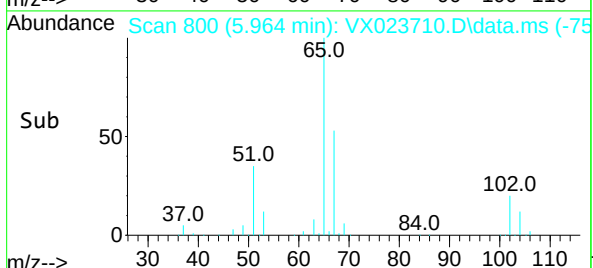
Tgt Ion: 56 Resp: 3625
Ion Ratio Lower Upper
56 100
69 151.2 25.3 37.9#
84 100.5 71.4 107.0

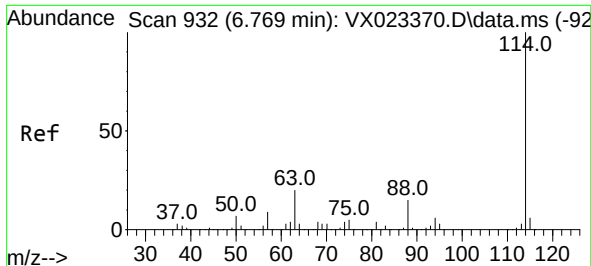


#33
1,2-Dichloroethane-d4
Concen: 57.177 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04



Tgt Ion: 65 Resp: 107719
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.4

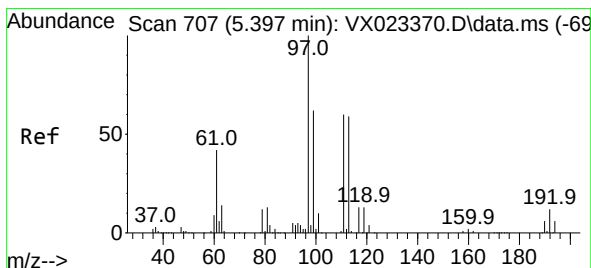
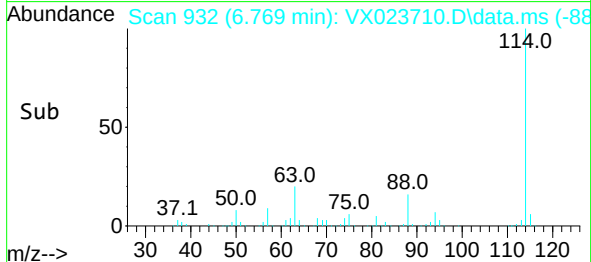
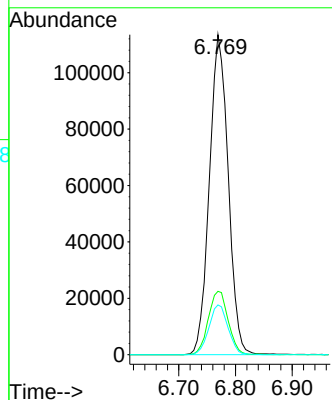
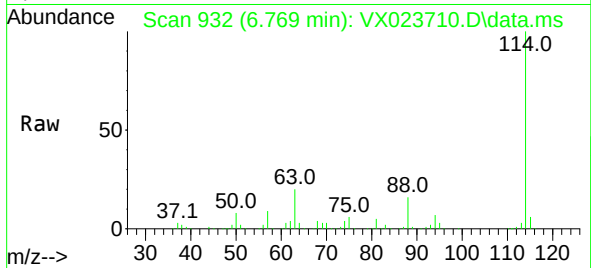




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

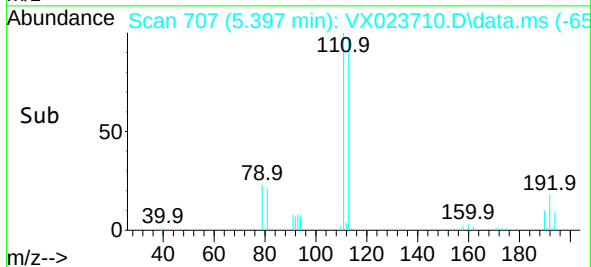
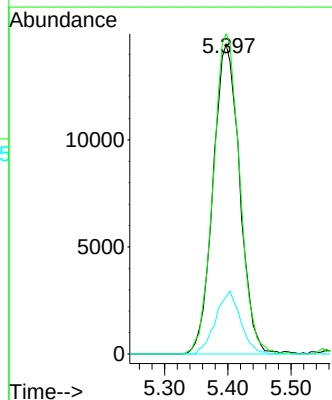
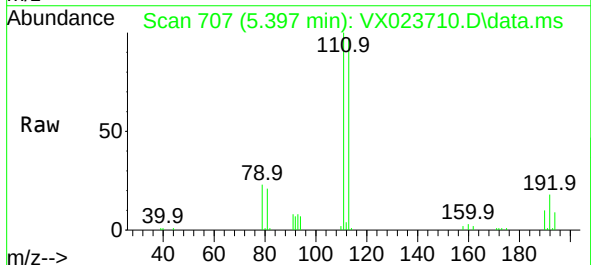
Instrument :
MSVOA_X
ClientSampled :

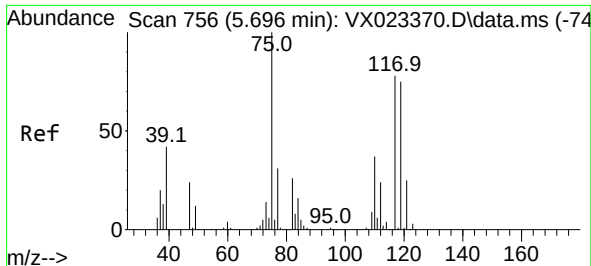
Tgt Ion:114 Resp: 261715
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 15.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 25.794 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

Tgt Ion:113 Resp: 42209
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 19.0 16.7 25.1

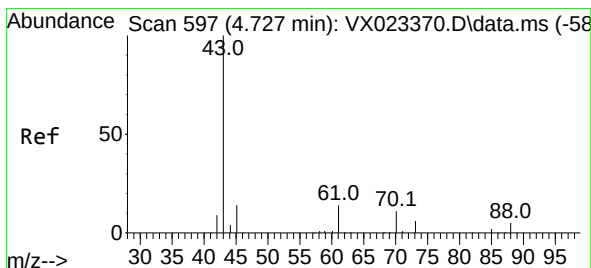
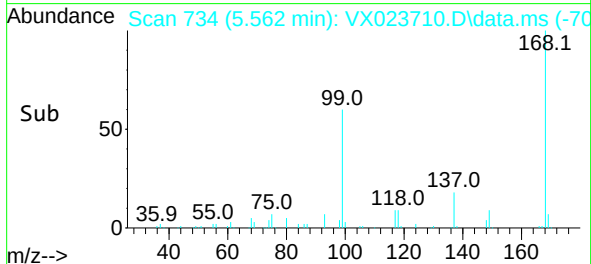
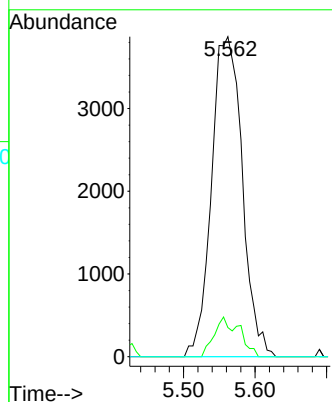
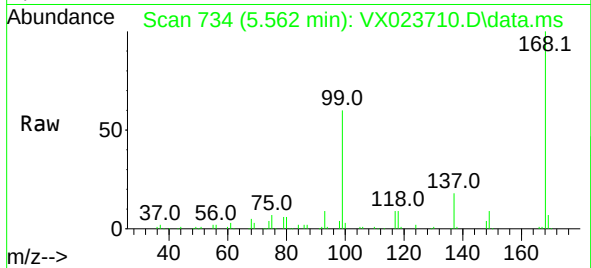




#36
1,1-Dichloropropene
Concen: 4.870 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

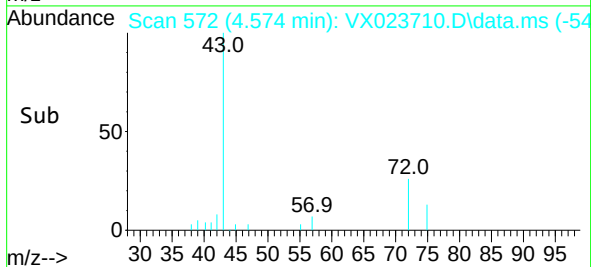
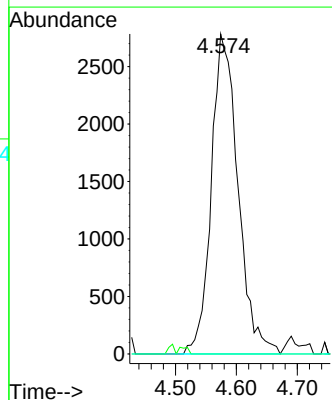
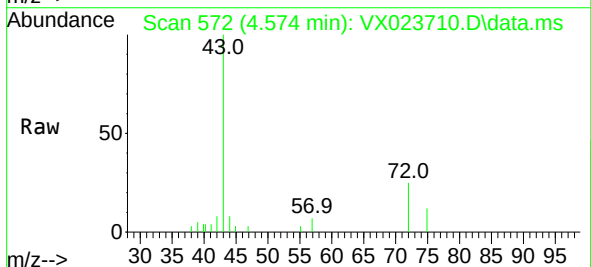
Instrument :
MSVOA_X
ClientSampled :

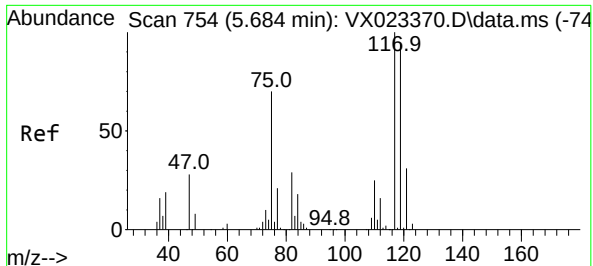
Tgt Ion: 75 Resp: 11529
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 2.835 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.153 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

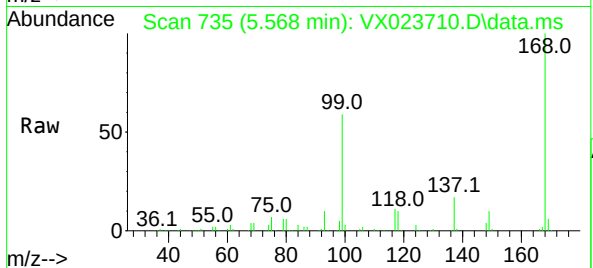
Tgt Ion: 43 Resp: 8462
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



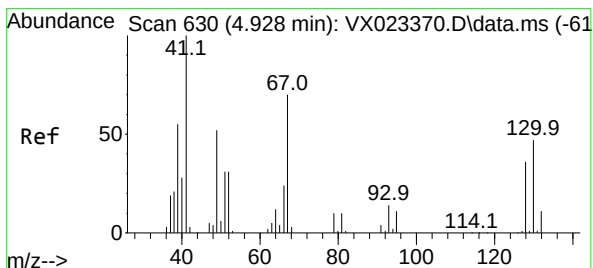
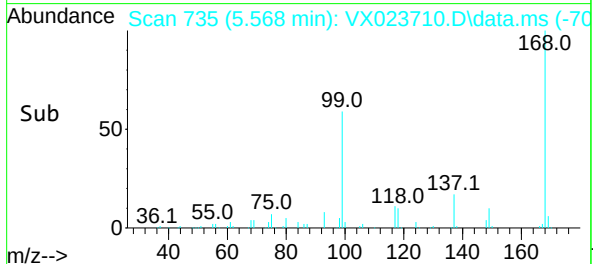
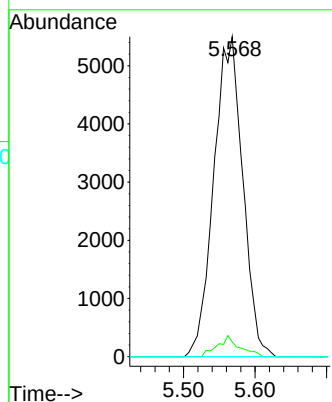


#38
Carbon Tetrachloride
Concen: 6.415 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

Instrument :
MSVOA_X
ClientSampled :

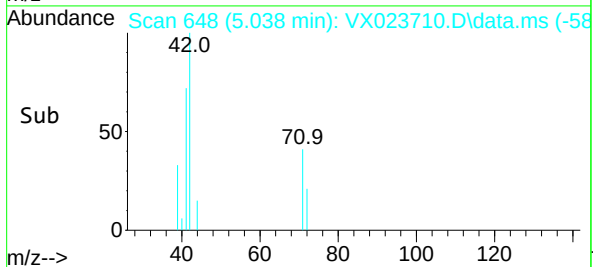
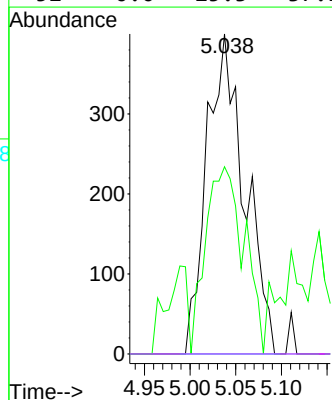
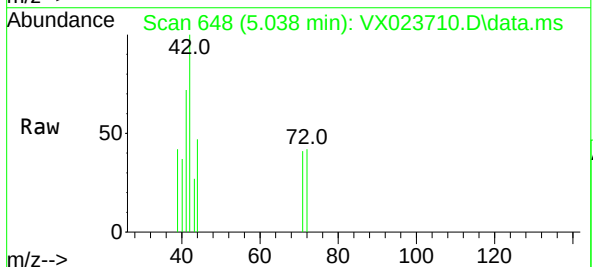


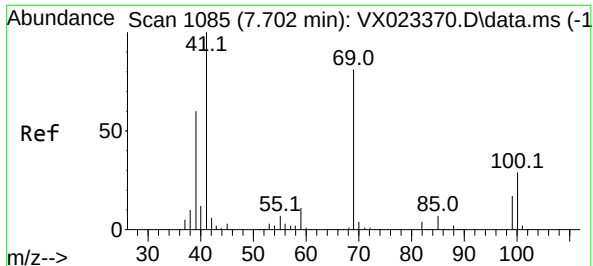
Tgt Ion:117 Resp: 15446
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.729 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

Tgt Ion: 41 Resp: 1149
Ion Ratio Lower Upper
41 100
39 59.4 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#





#48

Methyl methacrylate

Concen: 2.843 ug/l

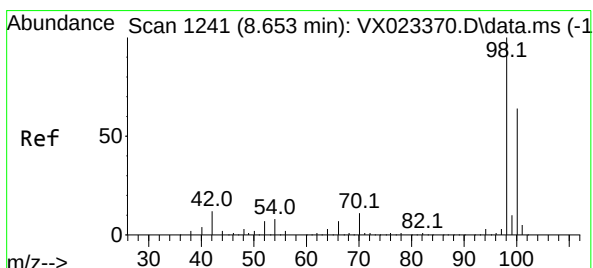
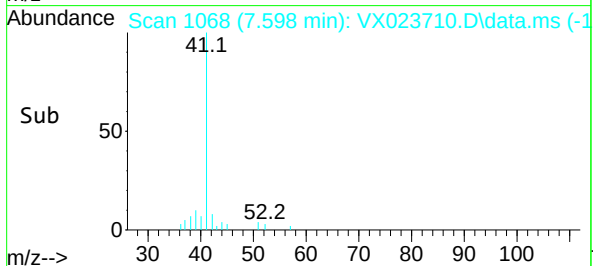
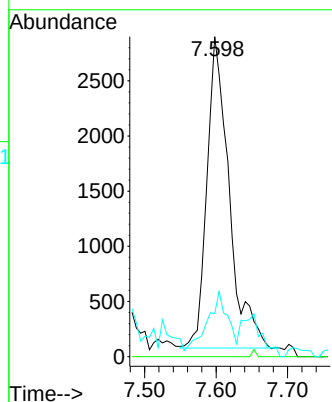
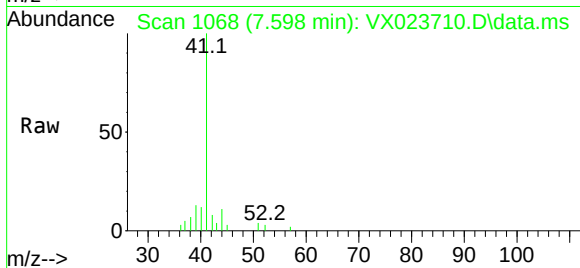
RT: 7.598 min Scan# 1068

Delta R.T. -0.104 min

Lab File: VX023710.D

Acq: 14 Aug 2021 00:04

Tgt Ion:	41	Resp:	6090
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	16.7	44.6	67.0#



#50

Toluene-d8

Concen: 53.139 ug/l

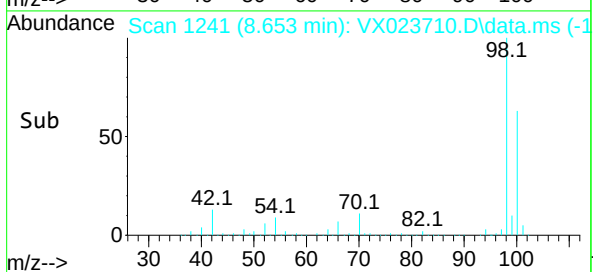
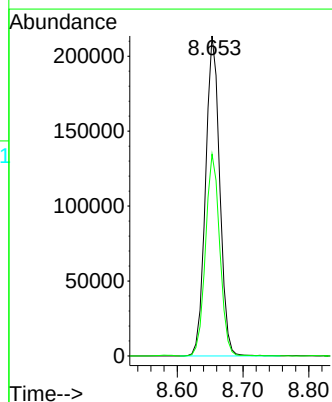
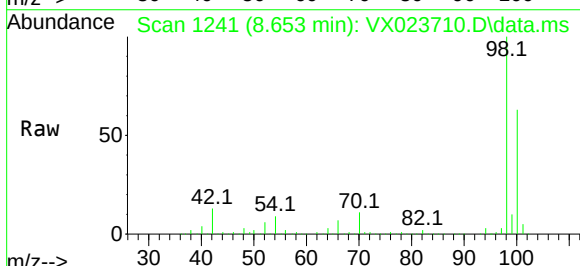
RT: 8.653 min Scan# 1241

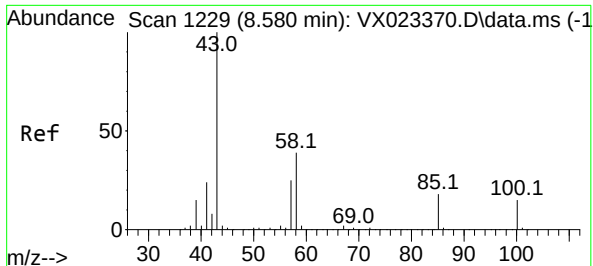
Delta R.T. -0.000 min

Lab File: VX023710.D

Acq: 14 Aug 2021 00:04

Tgt Ion:	98	Resp:	319470
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.9	77.9

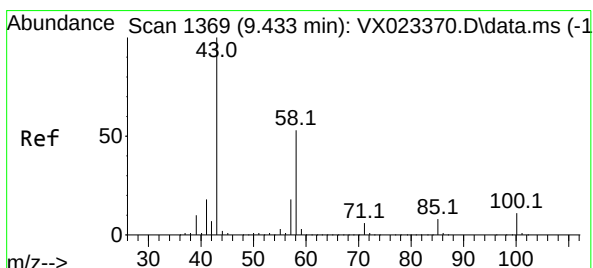
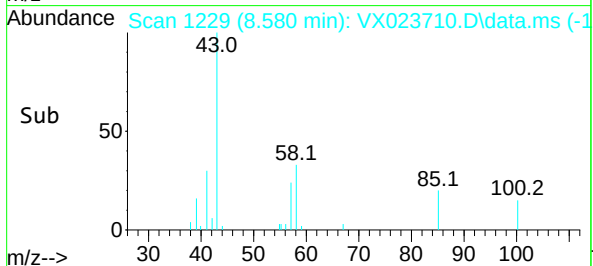
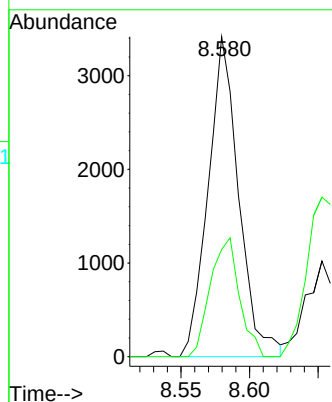
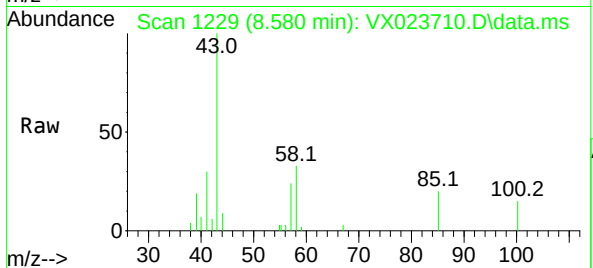




#51
4-Methyl-2-Pentanone
Concen: 1.872 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

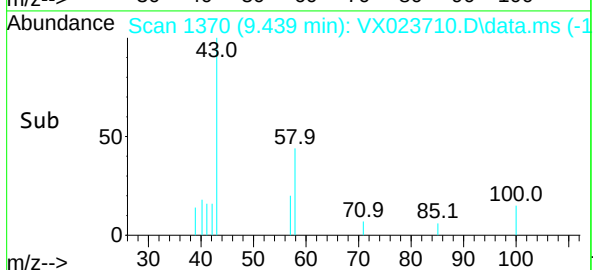
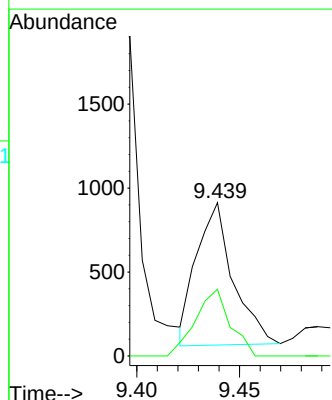
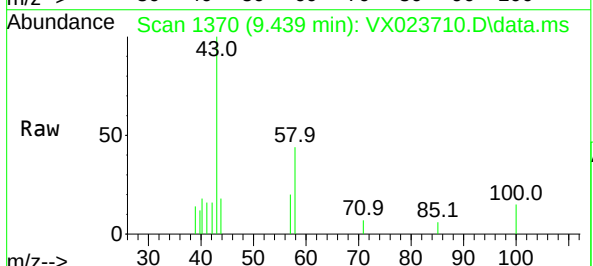
Instrument :
MSVOA_X
ClientSampled :

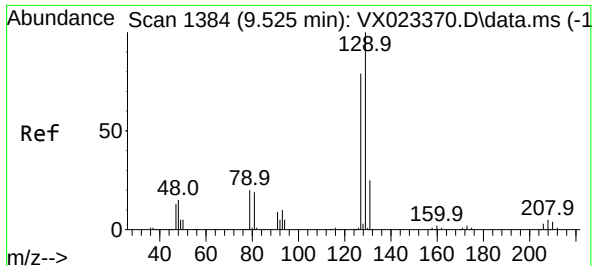
Tgt Ion: 43 Resp: 5295
Ion Ratio Lower Upper
43 100
58 35.4 35.4 53.0



#59
2-Hexanone
Concen: 0.489 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

Tgt Ion: 43 Resp: 1050
Ion Ratio Lower Upper
43 100
58 44.3 30.9 92.8

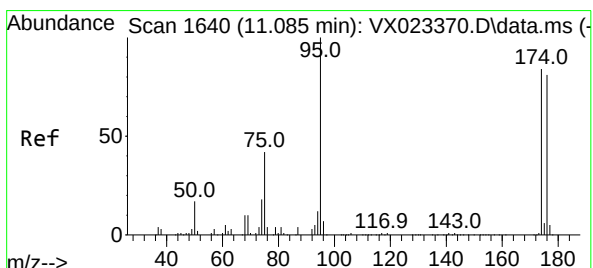
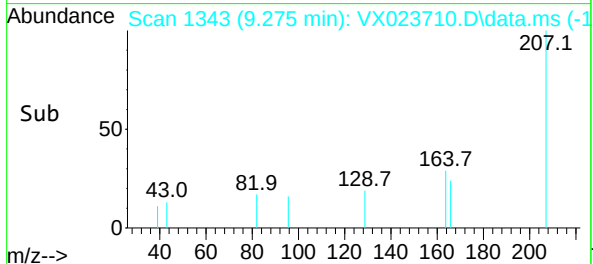
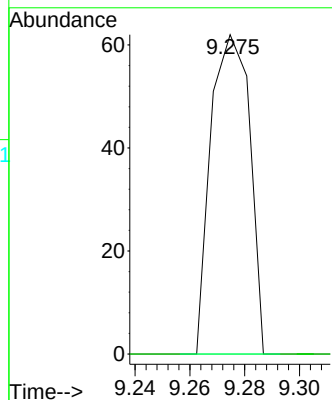
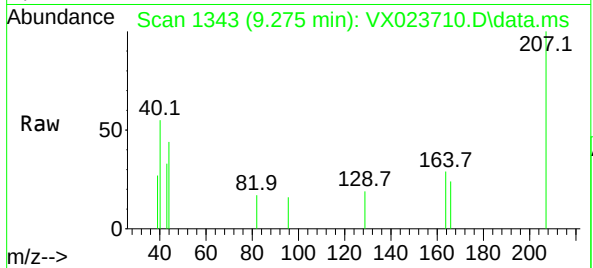




#60
Dibromochloromethane
Concen: 2.013 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

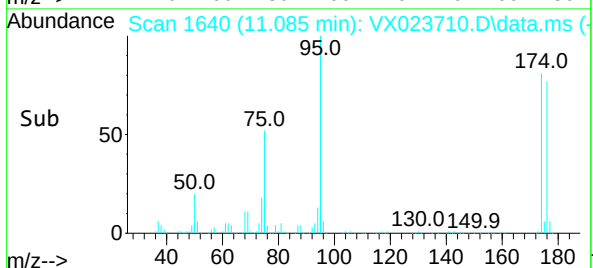
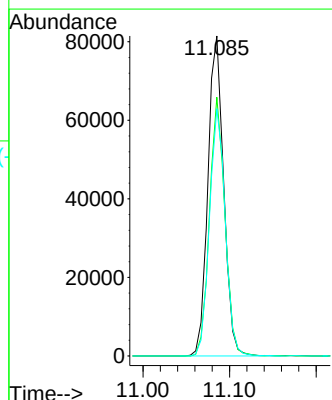
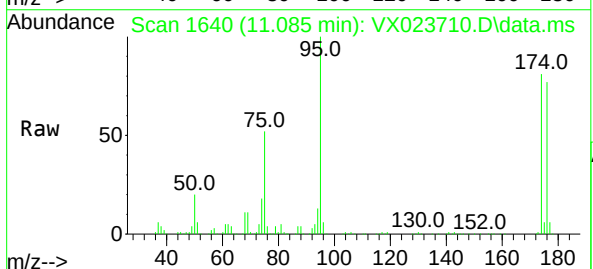
Instrument :
MSVOA_X
ClientSampleId :

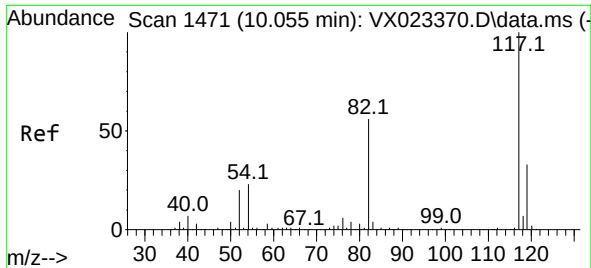
Tgt Ion:129 Resp: 61
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 50.347 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

Tgt Ion: 95 Resp: 102925
Ion Ratio Lower Upper
95 100
174 79.1 0.0 154.6
176 77.2 0.0 155.8

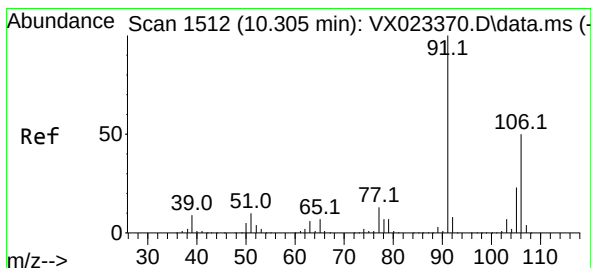
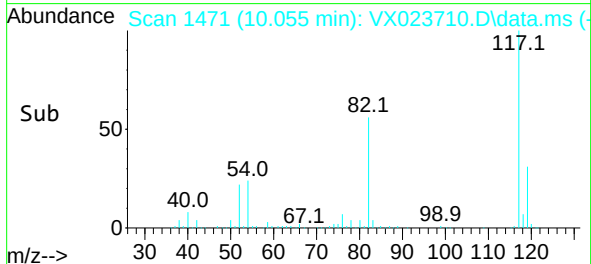
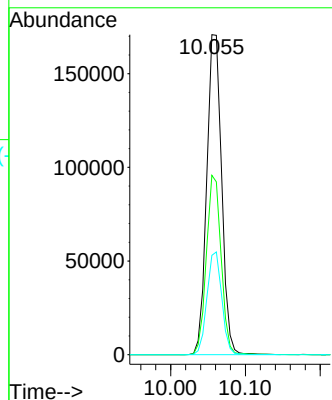
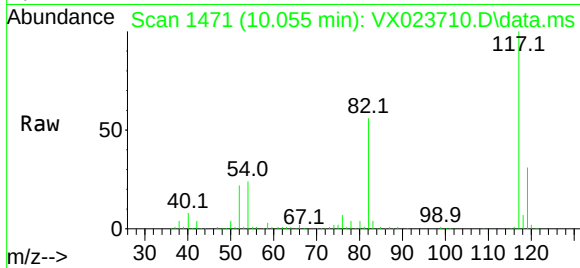




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

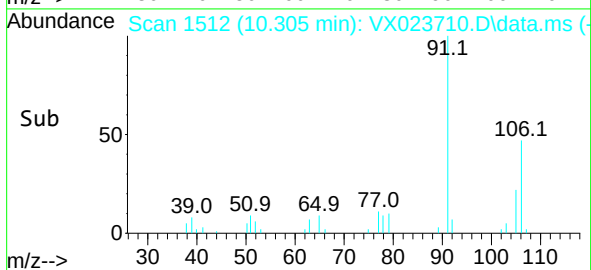
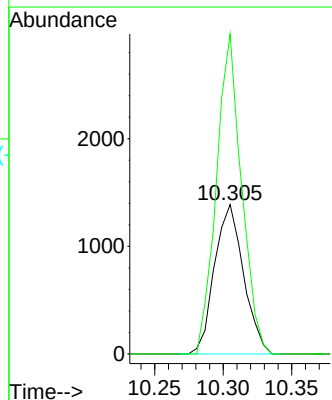
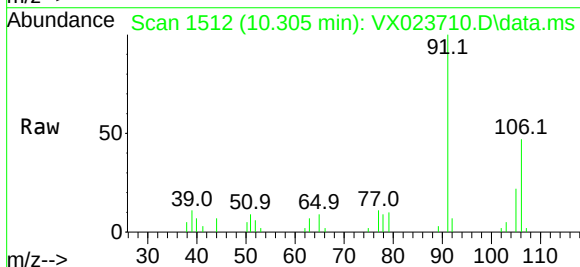
Instrument :
MSVOA_X
ClientSampled :

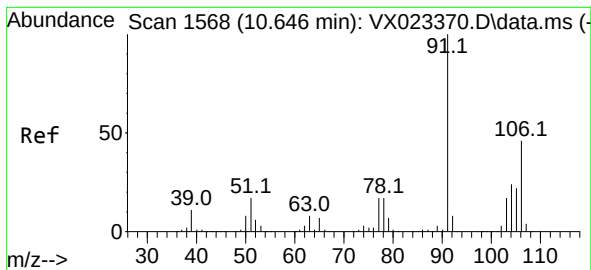
Tgt Ion:117 Resp: 236688
Ion Ratio Lower Upper
117 100
82 56.1 47.4 71.2
119 31.1 26.6 39.8



#68
m/p-Xylenes
Concen: 0.632 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

Tgt Ion:106 Resp: 2041
Ion Ratio Lower Upper
106 100
91 185.9 162.8 244.2

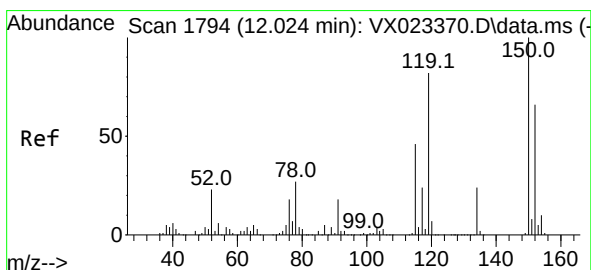
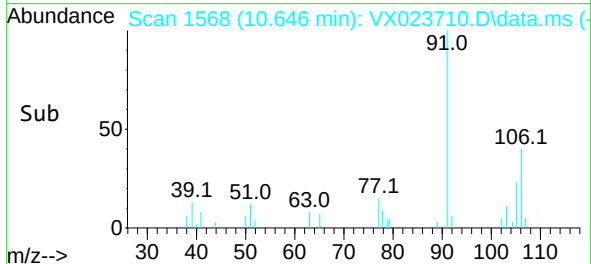
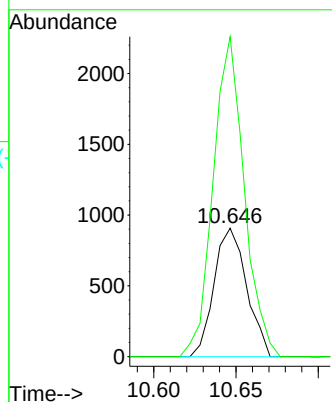
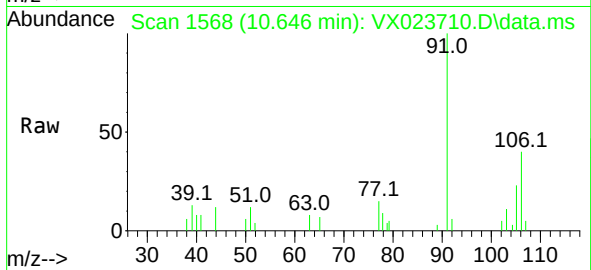




#69
o-Xylene
Concen: 0.390 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

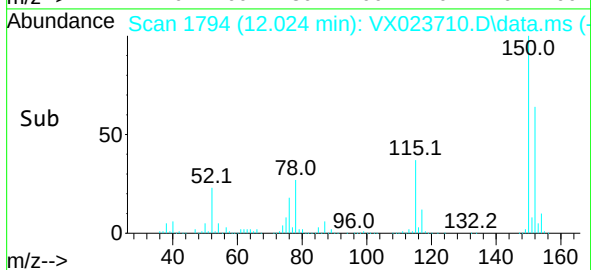
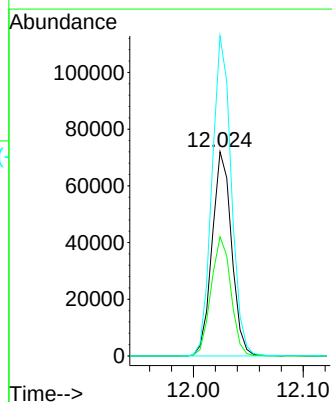
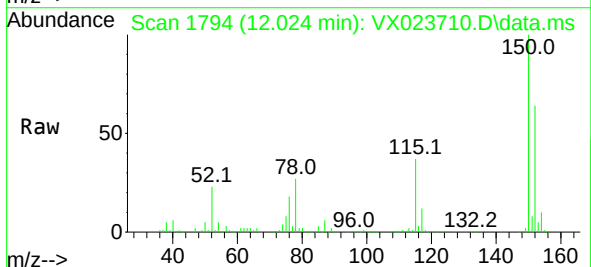
Instrument :
MSVOA_X
ClientSampleId :

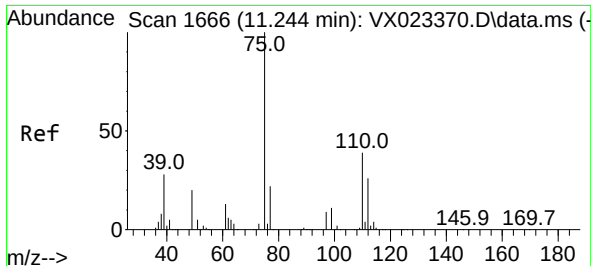
Tgt Ion:106 Resp: 1250
Ion Ratio Lower Upper
106 100
91 237.6 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

Tgt Ion:152 Resp: 89092
Ion Ratio Lower Upper
152 100
115 59.1 41.1 123.3
150 155.3 0.0 349.0

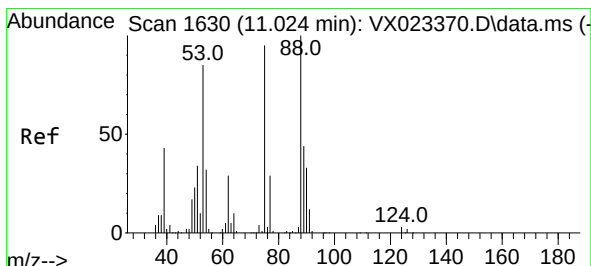
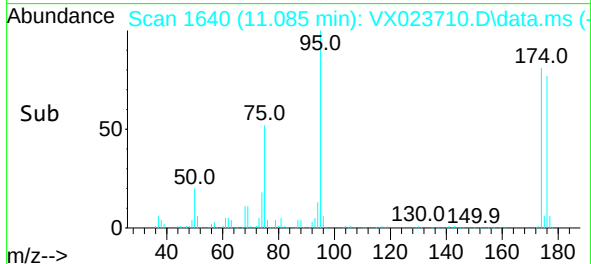
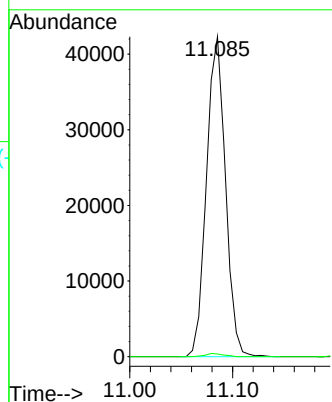
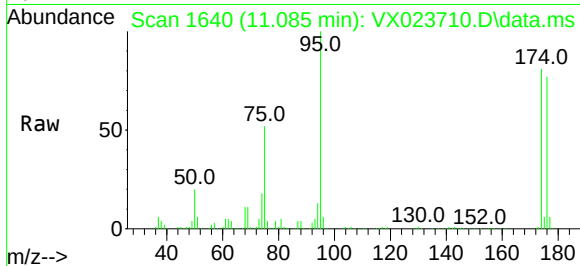




#76
1,2,3-Trichloropropane
Concen: 27.813 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

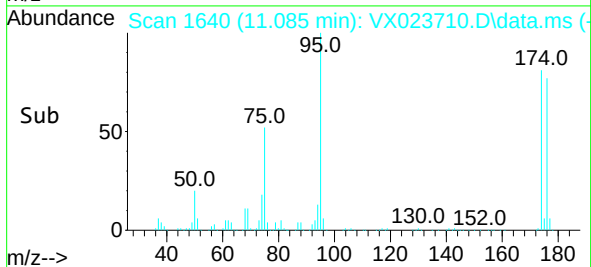
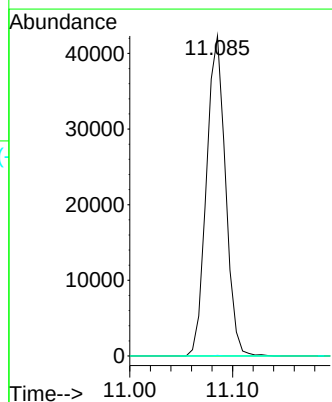
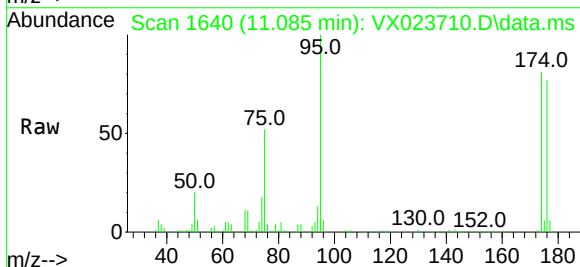
Instrument :
MSVOA_X
ClientSampled :

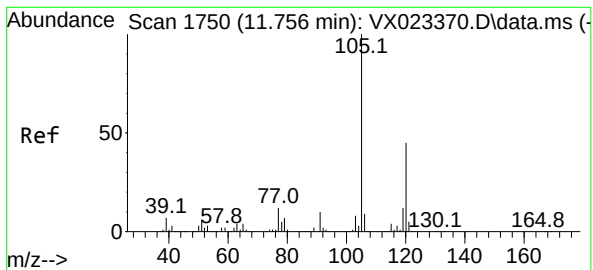
Tgt Ion: 75 Resp: 54528
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.785 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023710.D
Acq: 14 Aug 2021 00:04

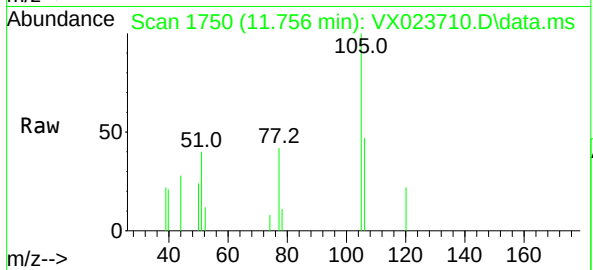
Tgt Ion: 75 Resp: 54528
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.205 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. -0.000 min
 Lab File: VX023710.D
 Acq: 14 Aug 2021 00:04

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:105 Resp: 1116
 Ion Ratio Lower Upper
 105 100
 120 19.1 22.4 67.3#

