

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082621\
 Data File : VX023973.D
 Acq On : 26 Aug 2021 18:17
 Operator : JC/MD
 Sample : M3535-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 27 05:59:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

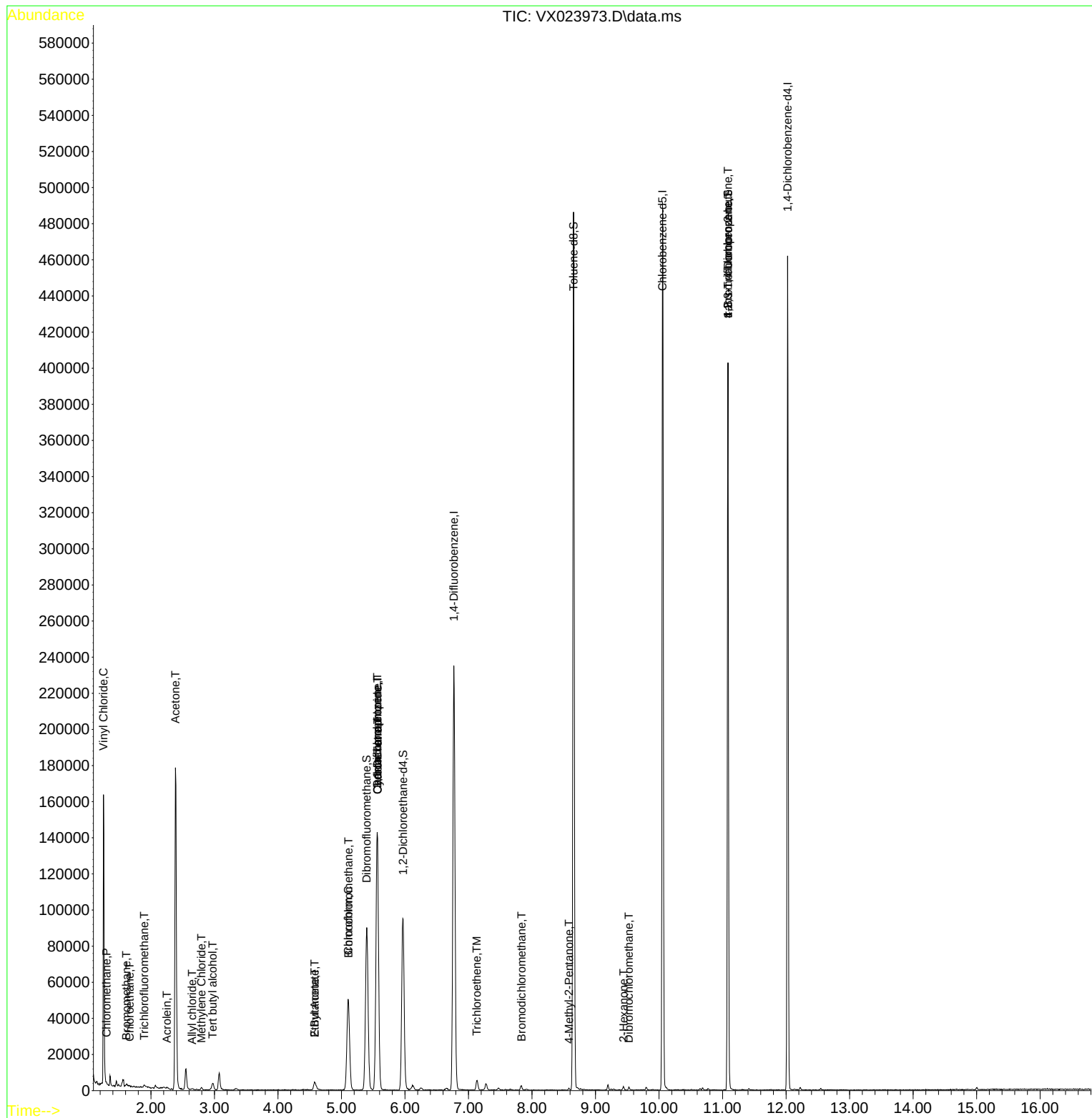
Internal Standards						
1) Pentafluorobenzene	5.562	168	132790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	230431	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	97354	52.529	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.060%
35) Dibromofluoromethane	5.397	113	76135	49.919	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.840%
50) Toluene-d8	8.653	98	274449	47.279	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.560%
62) 4-Bromofluorobenzene	11.085	95	96243	45.038	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.080%
Target Compounds						
						Qvalue
3) Chloromethane	1.300	50	452	0.294	ug/l	98
4) Vinyl Chloride	1.252	62	1428	0.952	ug/l #	1
5) Bromomethane	1.611	94	631	0.669	ug/l	88
6) Chloroethane	1.666	64	233	2.395	ug/l #	43
7) Trichlorofluoromethane	1.892	101	779	0.329	ug/l #	69
11) Tert butyl alcohol	2.971	59	4274	11.403	ug/l	95
13) Acrolein	2.251	56	183	0.820	ug/l #	50
14) Allyl chloride	2.648	41	708	0.301	ug/l #	51
16) Acetone	2.386	43	187131	225.820	ug/l #	88
20) Methylene Chloride	2.794	84	565	0.357	ug/l #	93
25) 2-Butanone	4.574	43	7105	5.661	ug/l #	89
28) Bromochloromethane	5.111	49	5262	4.445	ug/l #	9
30) Chloroform	5.105	83	58801	21.332	ug/l	99
31) Cyclohexane	5.568	56	3153	1.324	ug/l #	42
36) 1,1-Dichloropropene	5.562	75	11156	5.228	ug/l #	50
37) Ethyl Acetate	4.574	43	7105	2.709	ug/l #	65
38) Carbon Tetrachloride	5.568	117	13486	6.060	ug/l #	14
44) Trichloroethene	7.129	130	2013	1.155	ug/l	93
47) Bromodichloromethane	7.836	83	1594	0.756	ug/l #	91
51) 4-Methyl-2-Pentanone	8.580	43	592	0.223	ug/l #	78
59) 2-Hexanone	9.439	43	1238	0.607	ug/l	87
60) Dibromochloromethane	9.525	129	502	1.949	ug/l	92
76) 1,2,3-Trichloropropane	11.085	75	53270	25.025	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	53270	73.612	ug/l #	12

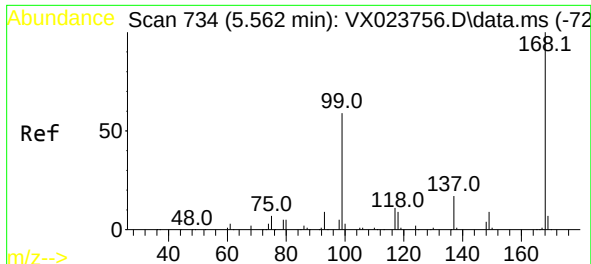
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 27 05:59:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

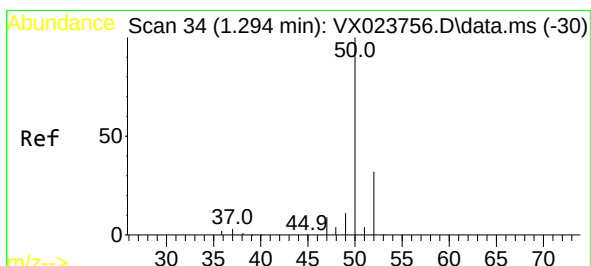
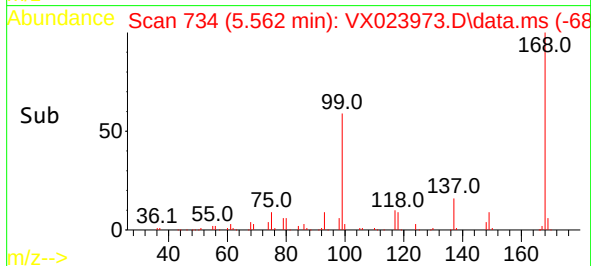
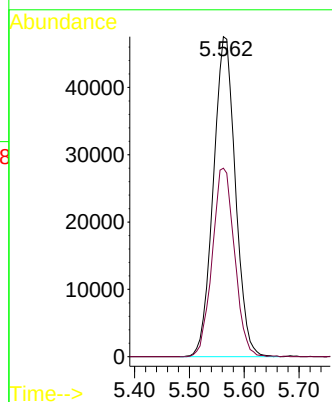
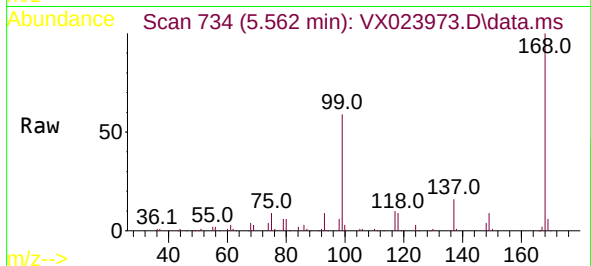




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

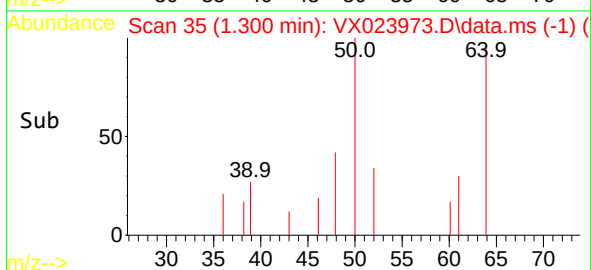
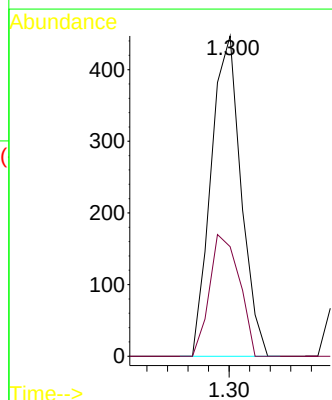
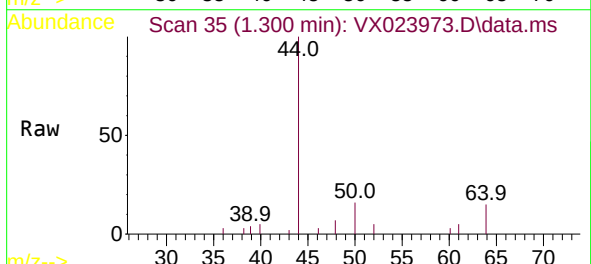
Instrument :
MSVOA_X
ClientSampled :

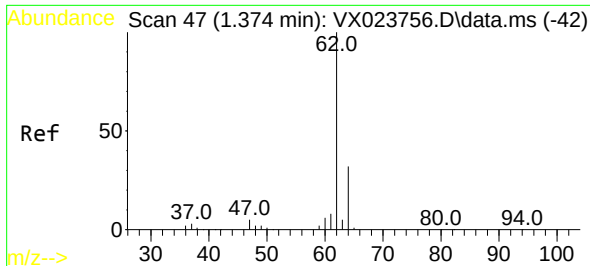
Tgt Ion:168 Resp: 132790
Ion Ratio Lower Upper
168 100
99 58.9 45.8 68.6



#3
Chloromethane
Concen: 0.294 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

Tgt Ion: 50 Resp: 452
Ion Ratio Lower Upper
50 100
52 34.2 26.4 39.6

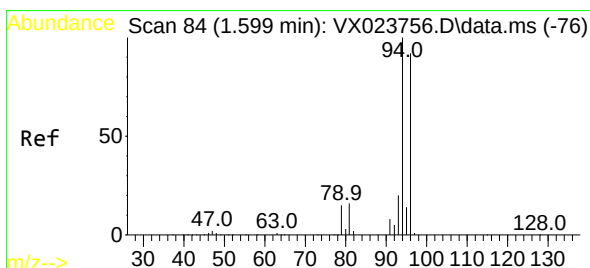
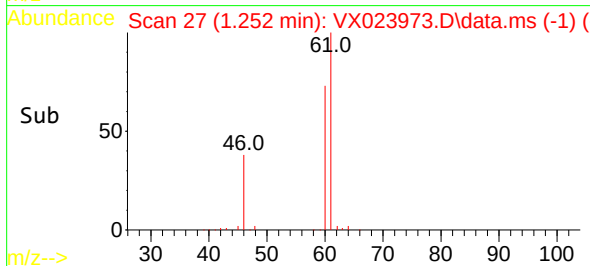
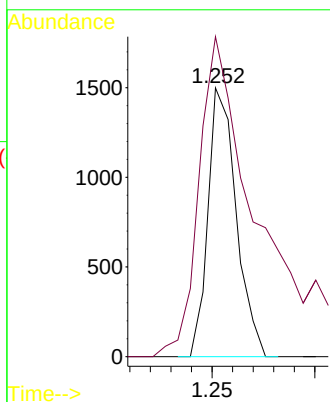
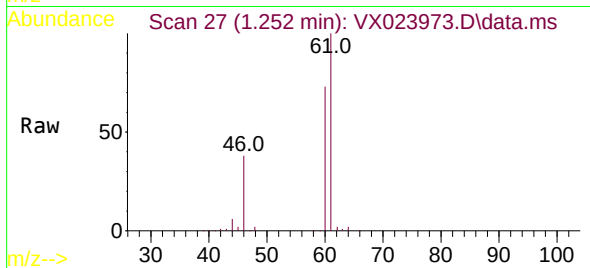




#4
 Vinyl Chloride
 Concen: 0.952 ug/l
 RT: 1.252 min Scan# 27
 Delta R.T. -0.122 min
 Lab File: VX023973.D
 Acq: 26 Aug 2021 18:17

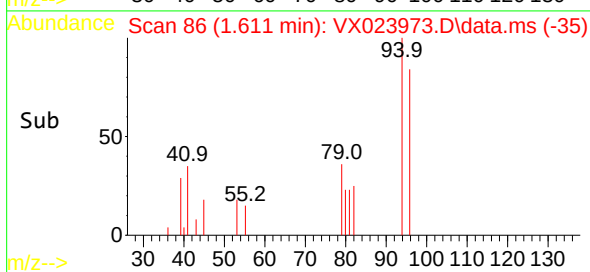
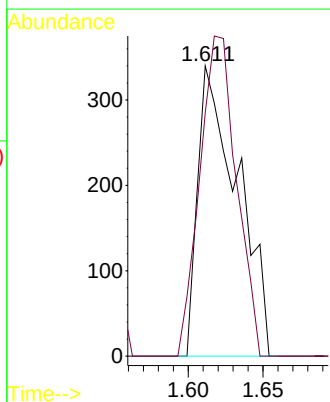
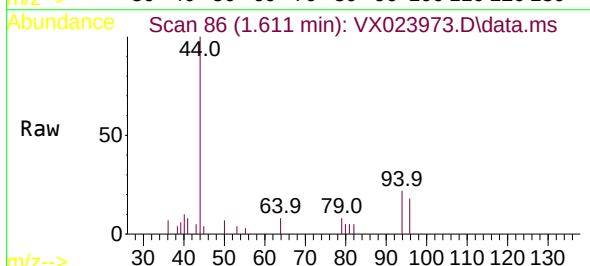
Instrument :
 MSVOA_X
 ClientSampled :

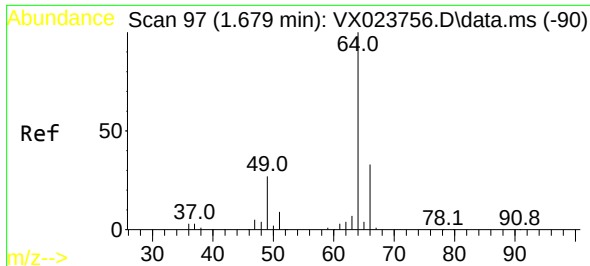
Tgt Ion: 62 Resp: 1428
 Ion Ratio Lower Upper
 62 100
 64 112.9 25.7 38.5#



#5
 Bromomethane
 Concen: 0.669 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. 0.012 min
 Lab File: VX023973.D
 Acq: 26 Aug 2021 18:17

Tgt Ion: 94 Resp: 631
 Ion Ratio Lower Upper
 94 100
 96 83.8 76.4 114.6

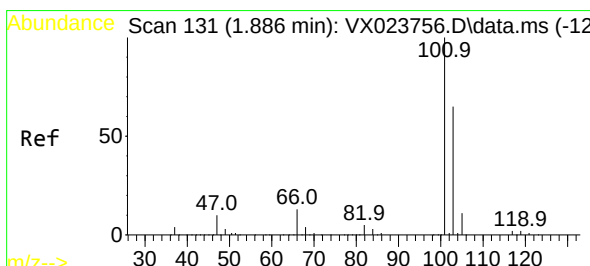
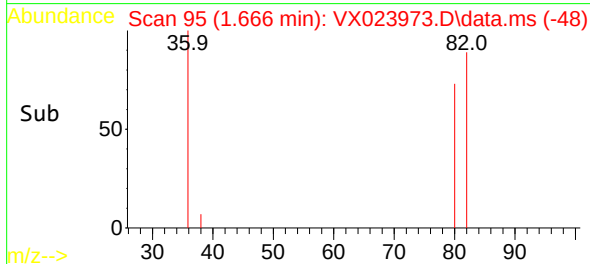
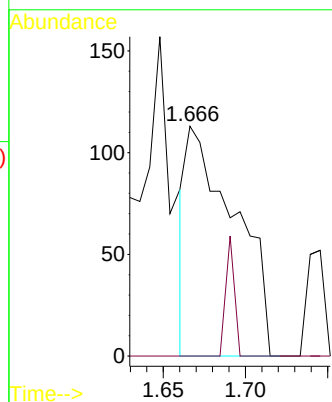
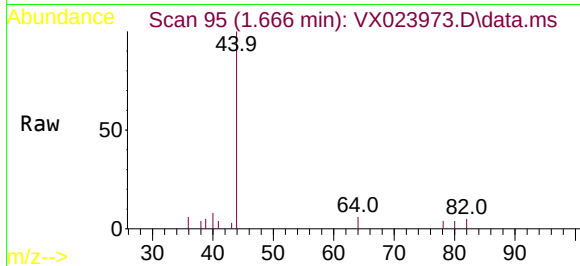




#6
Chloroethane
Concen: 2.395 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

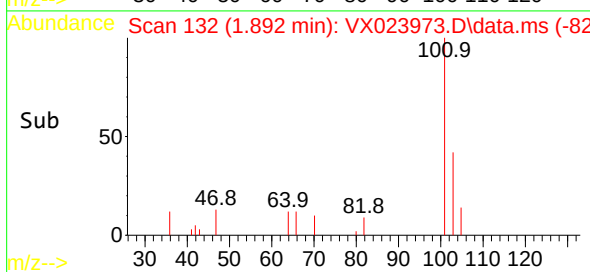
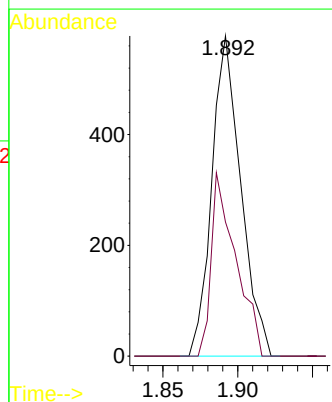
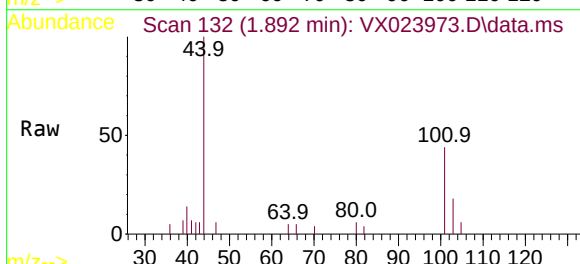
Instrument :
MSVOA_X
ClientSampled :

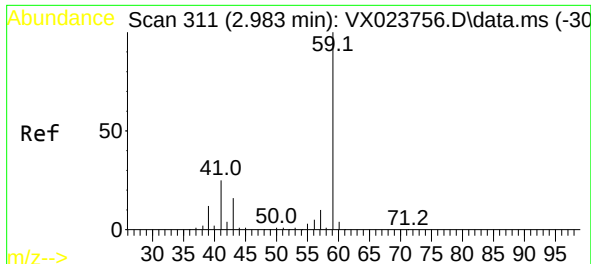
Tgt Ion: 64 Resp: 233
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#7
Trichlorofluoromethane
Concen: 0.329 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

Tgt Ion: 101 Resp: 779
Ion Ratio Lower Upper
101 100
103 41.9 53.2 79.8#



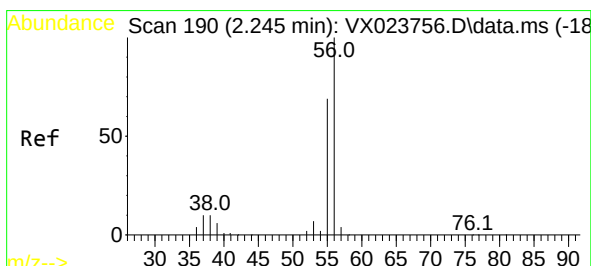
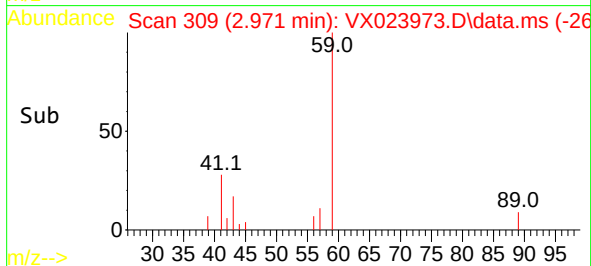
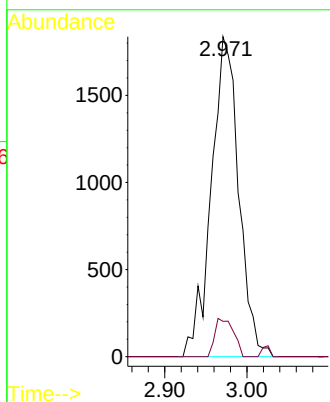
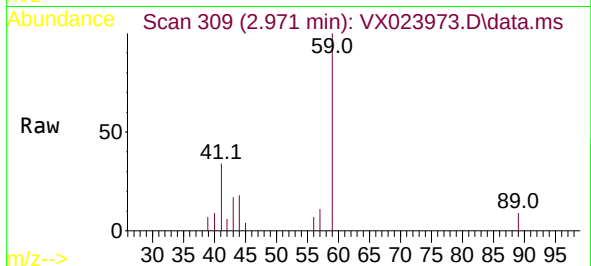


#11

Tert butyl alcohol
Concen: 11.403 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

Instrument :
MSVOA_X
ClientSampled :

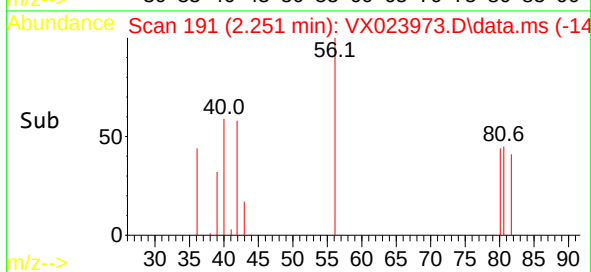
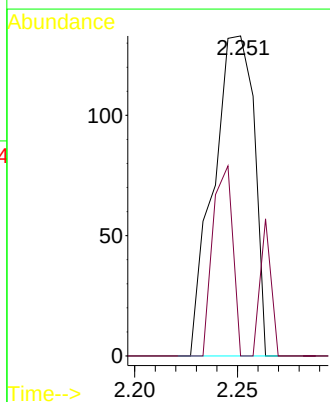
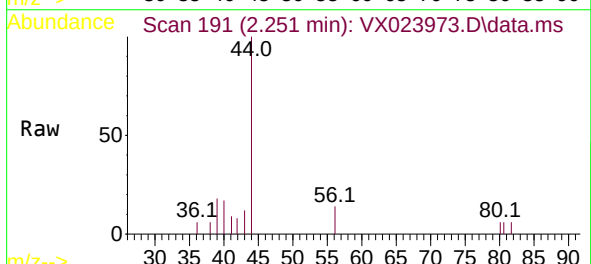
Tgt Ion: 59 Resp: 4274
Ion Ratio Lower Upper
59 100
57 8.1 7.8 11.8

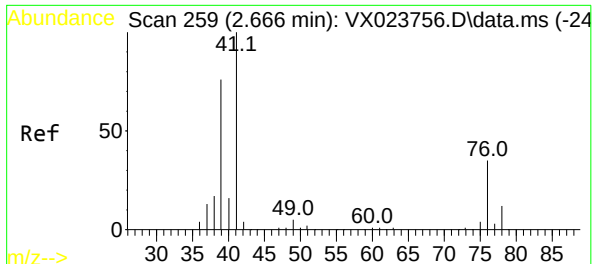


#13

Acrolein
Concen: 0.820 ug/l
RT: 2.251 min Scan# 191
Delta R.T. 0.006 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 29.0 56.4 84.6#

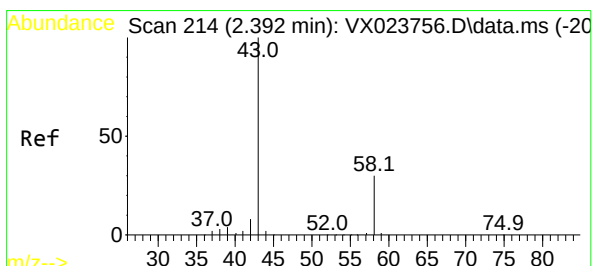
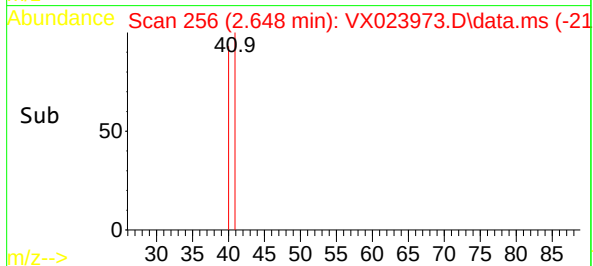
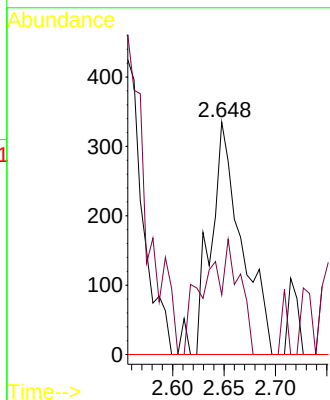
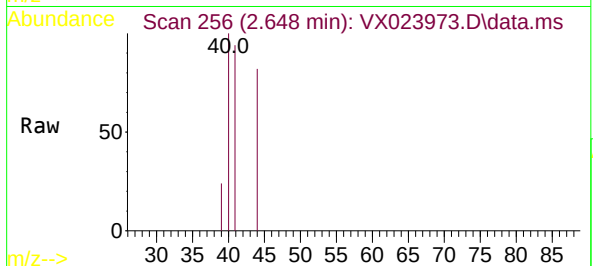




#14
Allyl chloride
Concen: 0.301 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.018 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

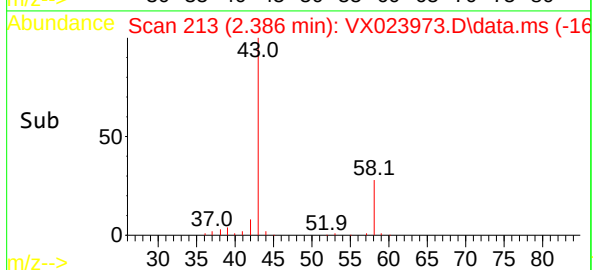
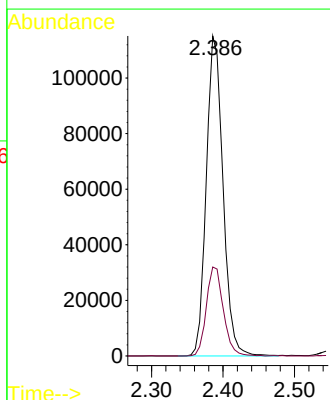
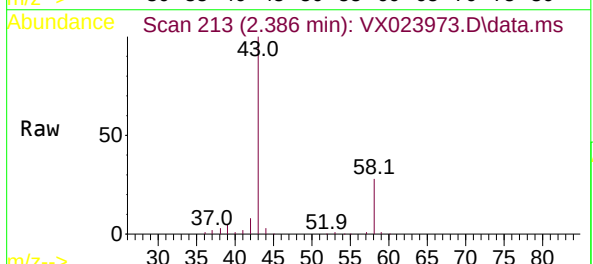
Instrument :
MSVOA_X
ClientSampled :

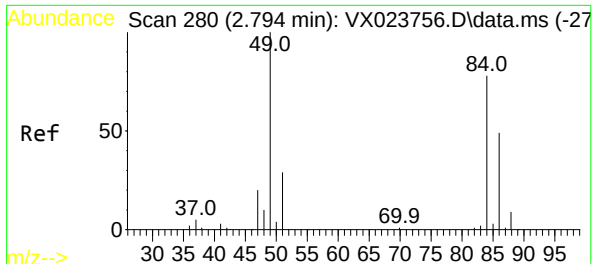
Tgt Ion: 41 Resp: 708
Ion Ratio Lower Upper
41 100
39 32.1 51.6 77.4#
76 0.0 30.5 45.7#



#16
Acetone
Concen: 225.820 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

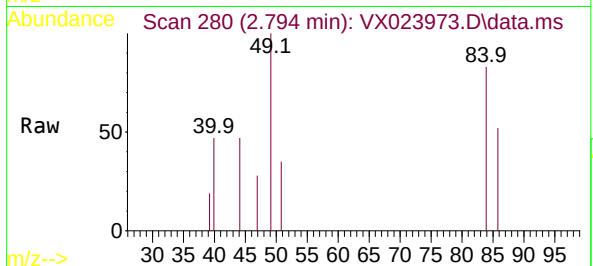
Tgt Ion: 43 Resp: 187131
Ion Ratio Lower Upper
43 100
58 27.8 27.8 41.8#



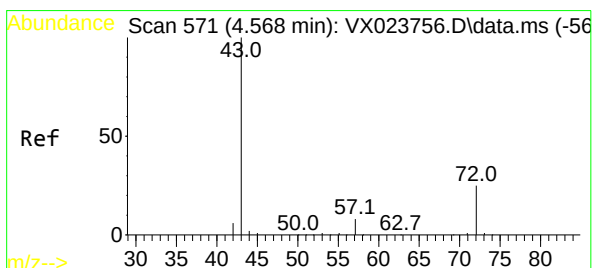
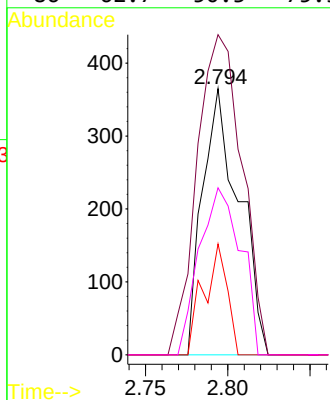
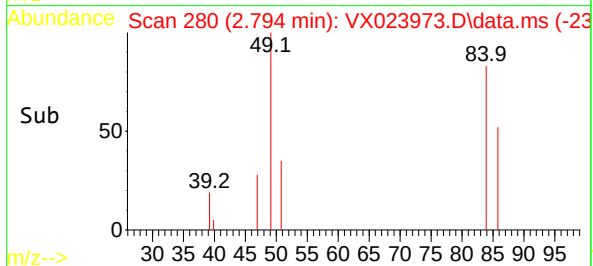


#20
Methylene Chloride
Concen: 0.357 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

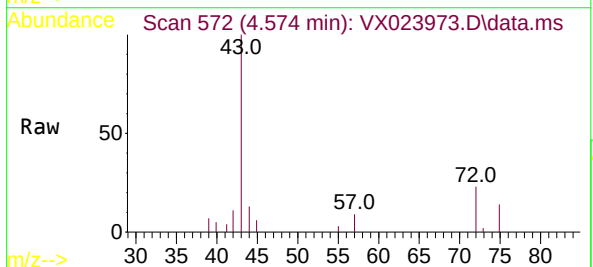
Instrument :
MSVOA_X
ClientSampled :



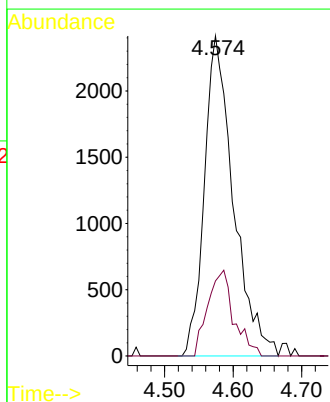
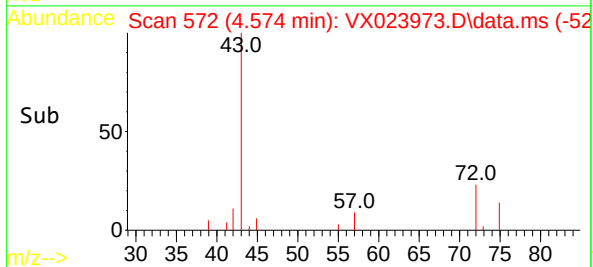
Tgt Ion:	84	Resp:	565
Ion	Ratio	Lower	Upper
84	100		
49	120.3	88.6	132.8
51	41.6	27.0	40.6#
86	62.7	50.3	75.5

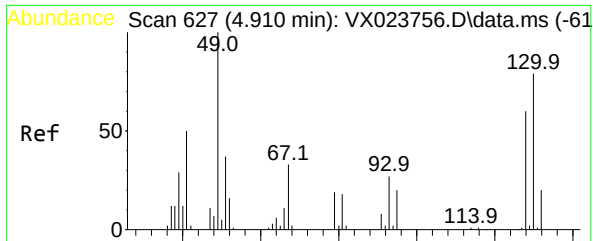


#25
2-Butanone
Concen: 5.661 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17



Tgt Ion:	43	Resp:	7105
Ion	Ratio	Lower	Upper
43	100		
72	23.5	23.7	35.5#

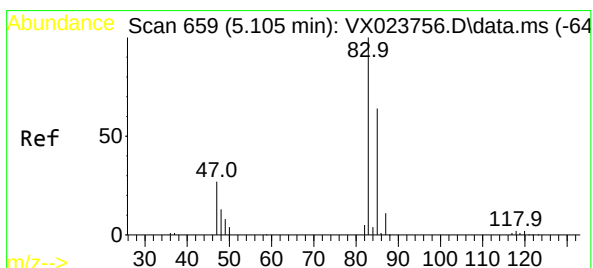
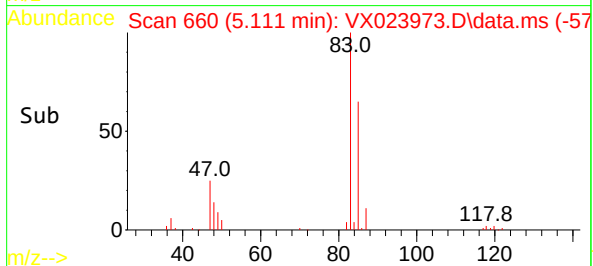
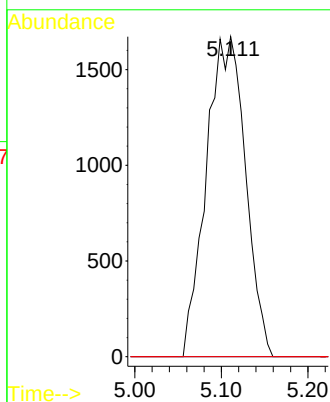
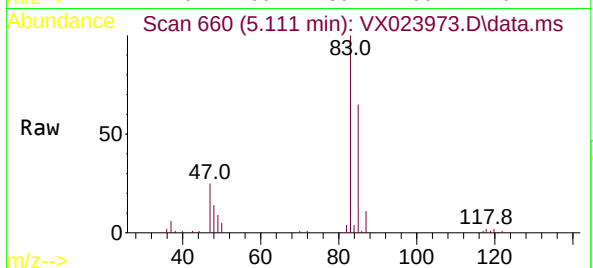




#28
Bromochloromethane
Concen: 4.445 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.201 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

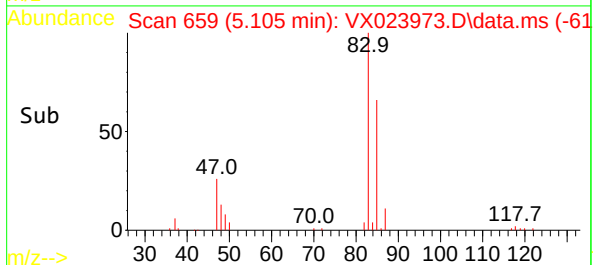
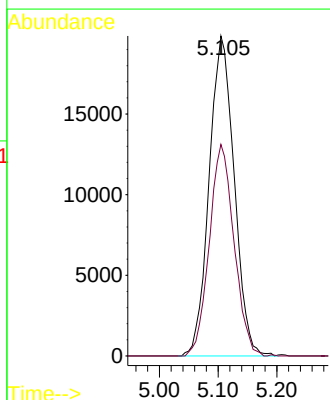
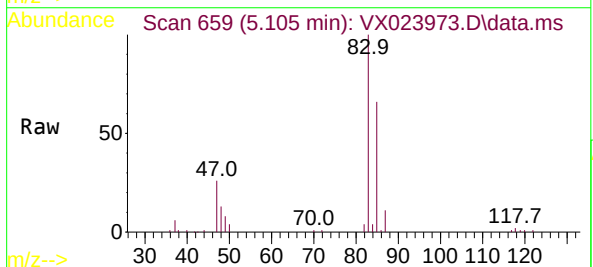
Instrument :
MSVOA_X
ClientSampled :

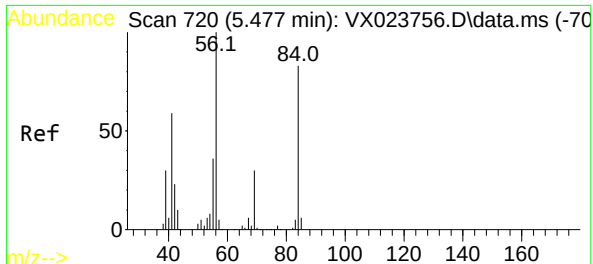
Tgt Ion: 49 Resp: 5262
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#30
Chloroform
Concen: 21.332 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

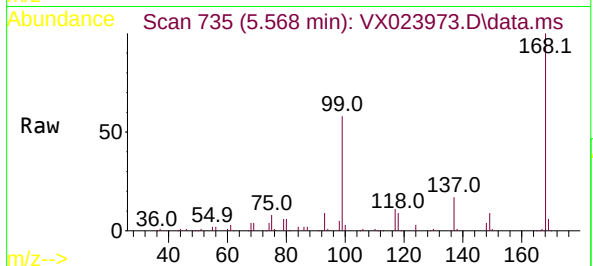
Tgt Ion: 83 Resp: 58801
Ion Ratio Lower Upper
83 100
85 66.1 52.0 78.0



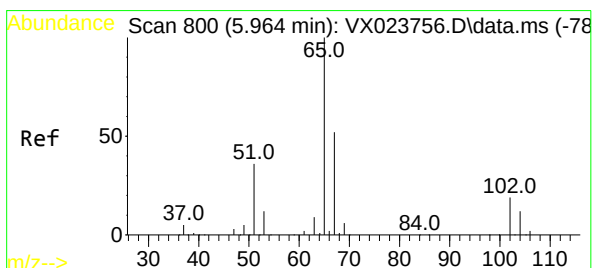
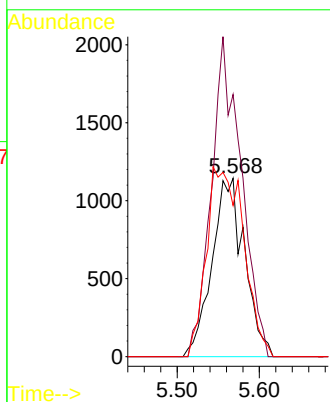
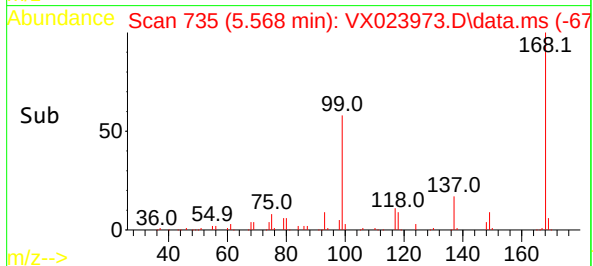


#31
Cyclohexane
Concen: 1.324 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

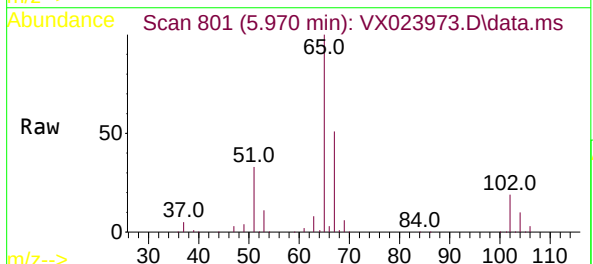
Instrument :
MSVOA_X
ClientSampled :



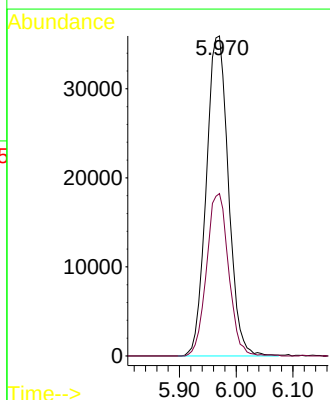
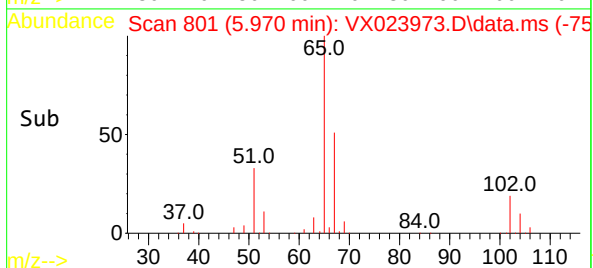
Tgt Ion: 56 Resp: 3153
Ion Ratio Lower Upper
56 100
69 147.0 25.3 37.9#
84 84.7 71.4 107.0

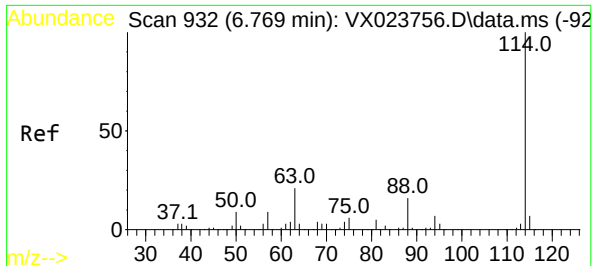


#33
1,2-Dichloroethane-d4
Concen: 52.529 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17



Tgt Ion: 65 Resp: 97354
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4

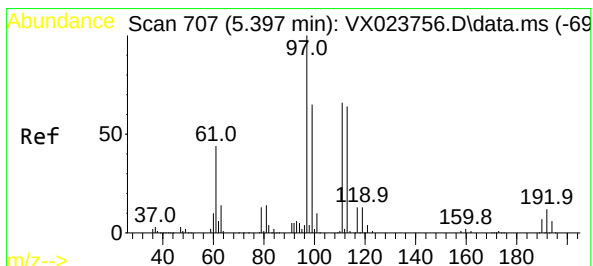
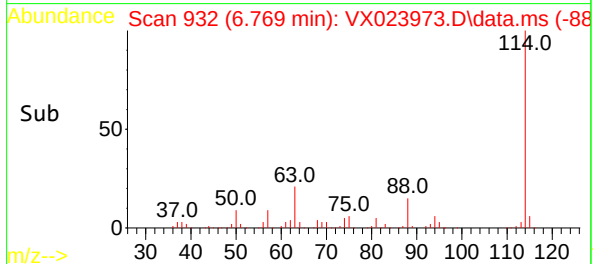
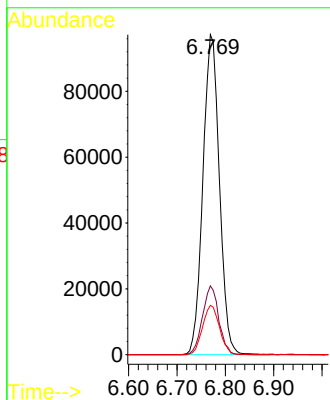
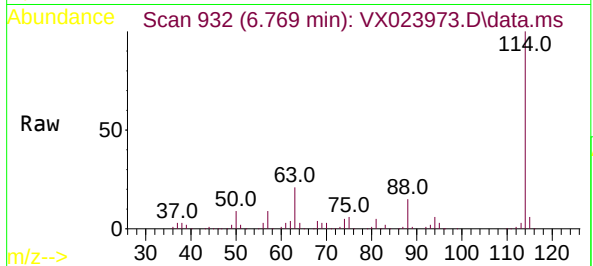




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

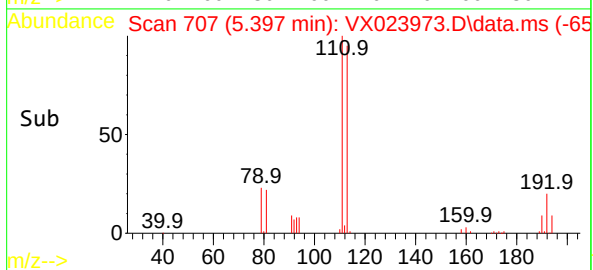
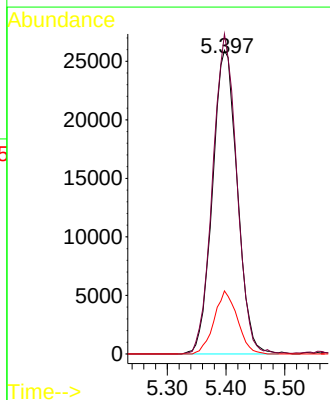
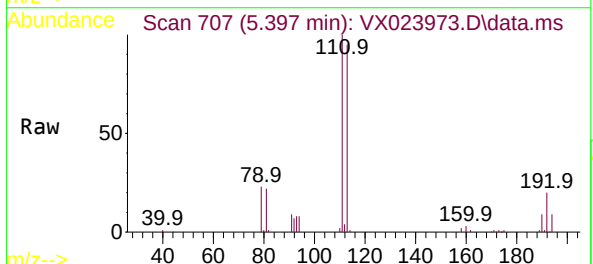
Instrument :
MSVOA_X
ClientSampleId :

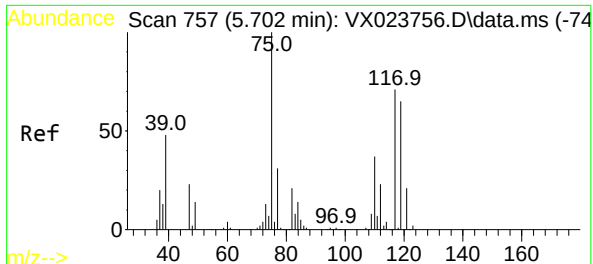
Tgt Ion:114 Resp: 230431
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 15.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.919 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

Tgt Ion:113 Resp: 76135
Ion Ratio Lower Upper
113 100
111 102.7 81.9 122.9
192 19.4 16.7 25.1

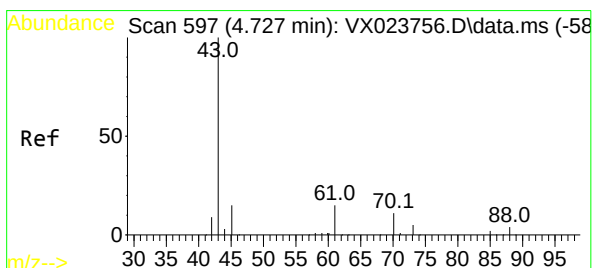
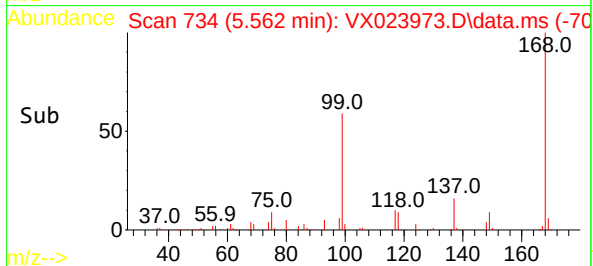
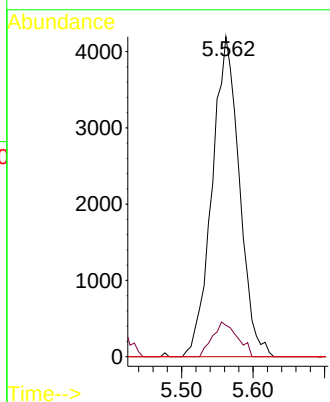
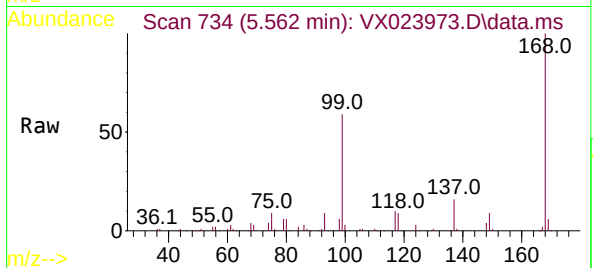




#36
1,1-Dichloropropene
Concen: 5.228 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

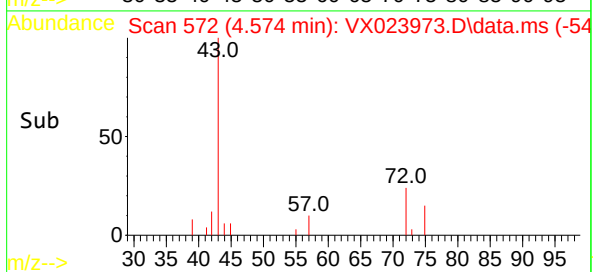
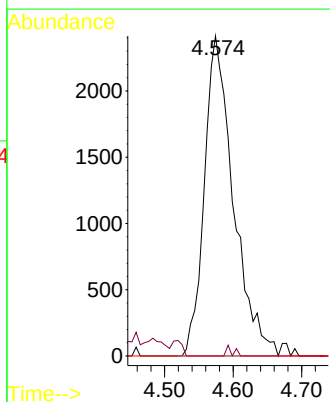
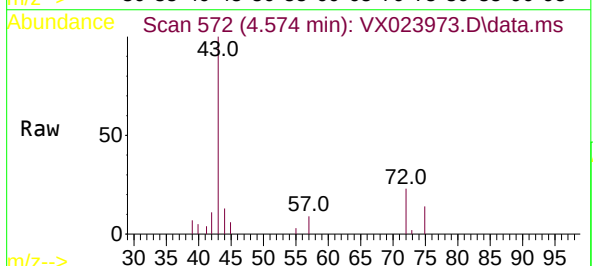
Instrument :
MSVOA_X
ClientSampled :

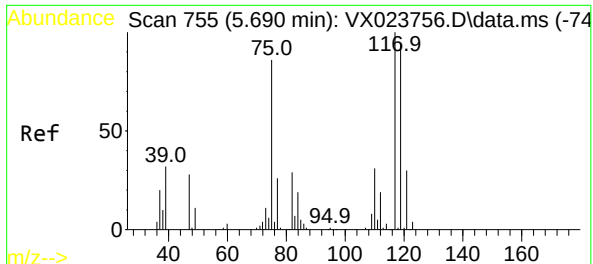
Tgt Ion: 75 Resp: 11156
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 2.709 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.153 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

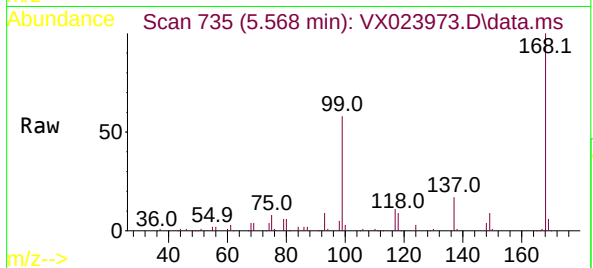
Tgt Ion: 43 Resp: 7105
Ion Ratio Lower Upper
43 100
61 0.7 12.8 19.2#
70 0.0 10.5 15.7#



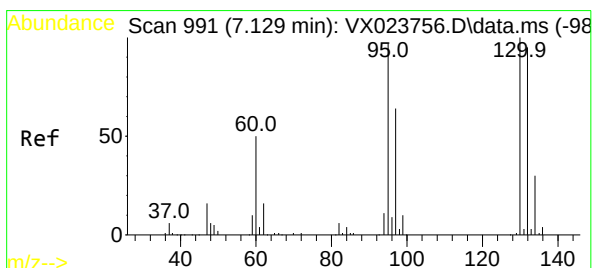
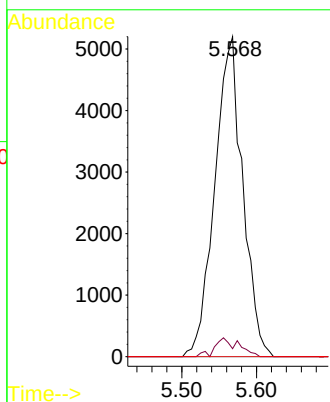
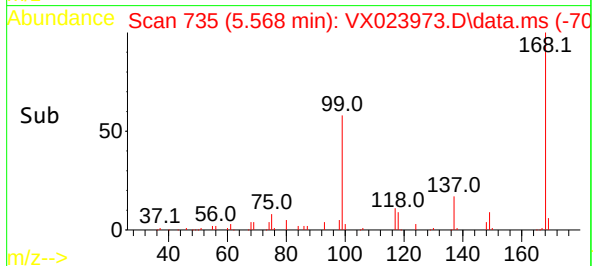


#38
Carbon Tetrachloride
Concen: 6.060 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

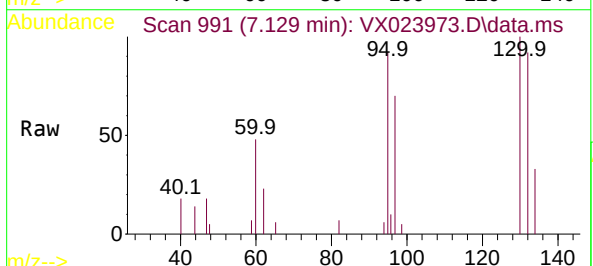
Instrument :
MSVOA_X
ClientSampled :



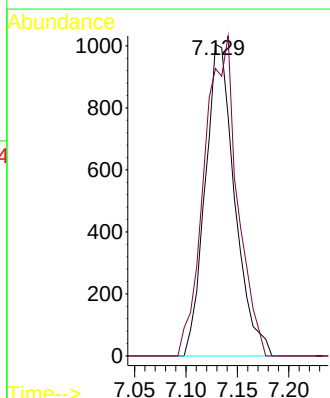
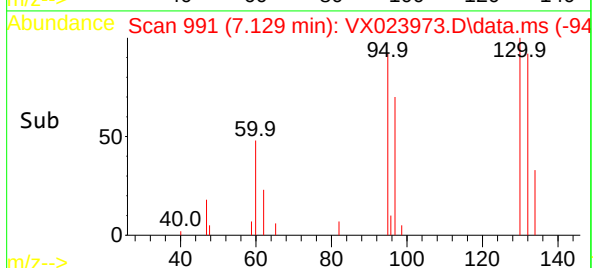
Tgt Ion:117 Resp: 13486
Ion Ratio Lower Upper
117 100
119 2.5 76.2 114.2#
121 0.0 24.8 37.2#

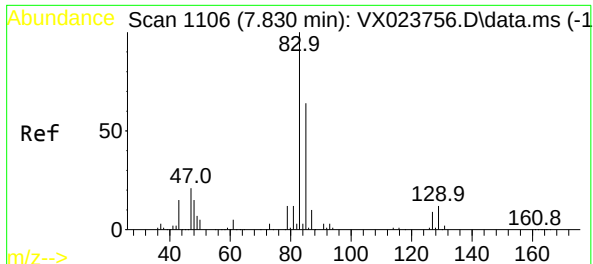


#44
Trichloroethene
Concen: 1.155 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17



Tgt Ion:130 Resp: 2013
Ion Ratio Lower Upper
130 100
95 92.2 0.0 198.0

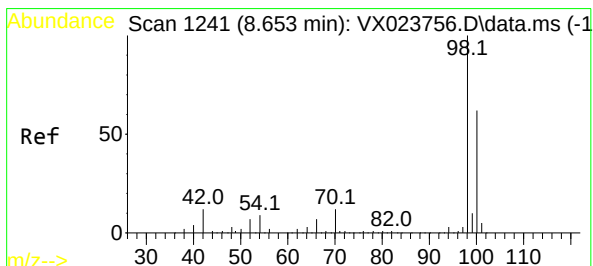
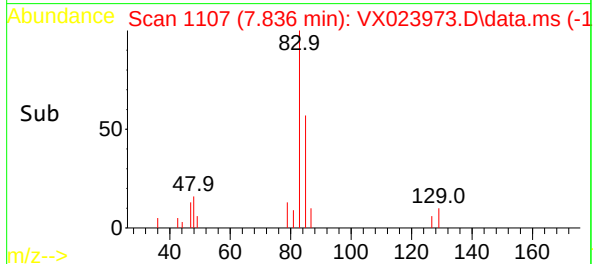
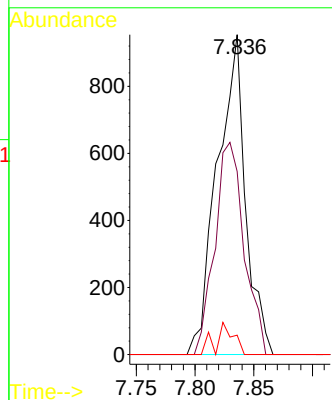
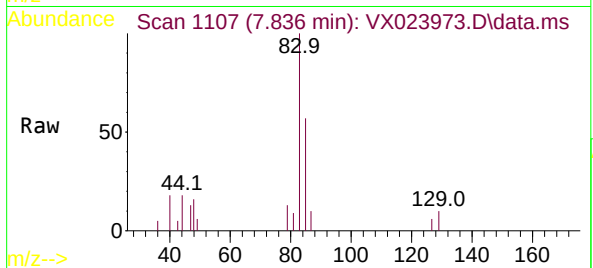




#47
Bromodichloromethane
Concen: 0.756 ug/l
RT: 7.836 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

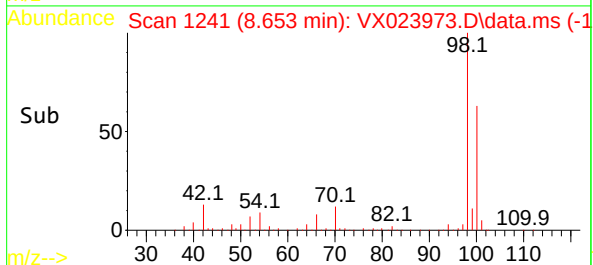
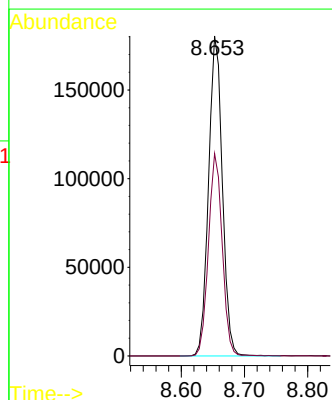
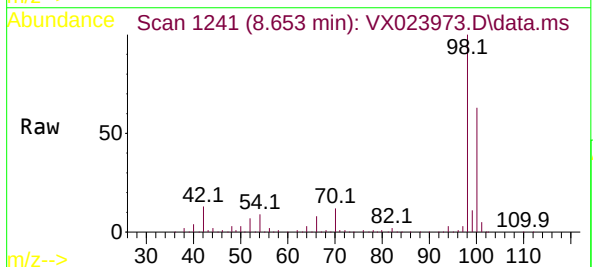
Instrument :
MSVOA_X
ClientSampleId :

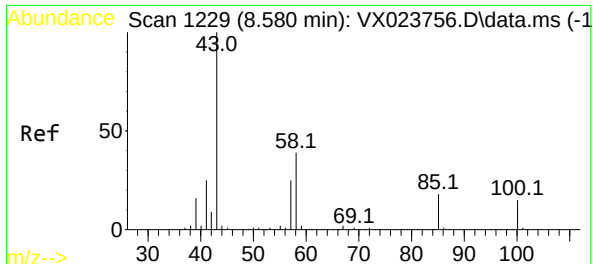
Tgt Ion: 83 Resp: 1594
Ion Ratio Lower Upper
83 100
85 57.2 51.4 77.0
127 6.1 6.8 10.2#



#50
Toluene-d8
Concen: 47.279 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

Tgt Ion: 98 Resp: 274449
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9

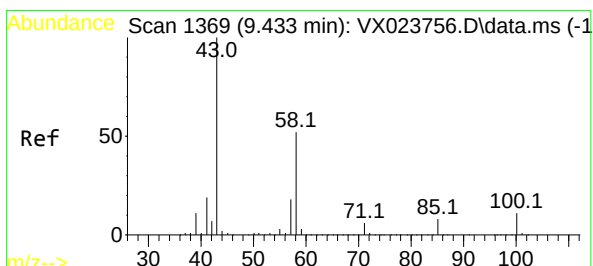
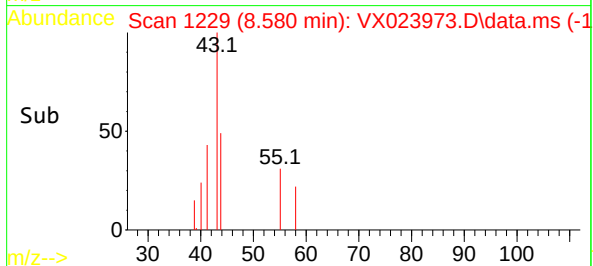
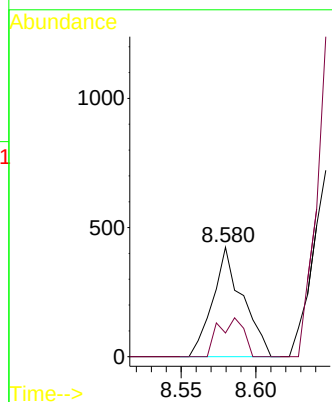
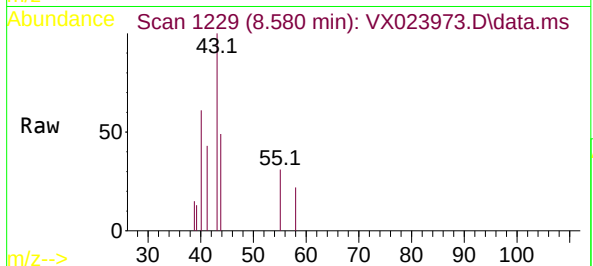




#51
4-Methyl-2-Pentanone
Concen: 0.223 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

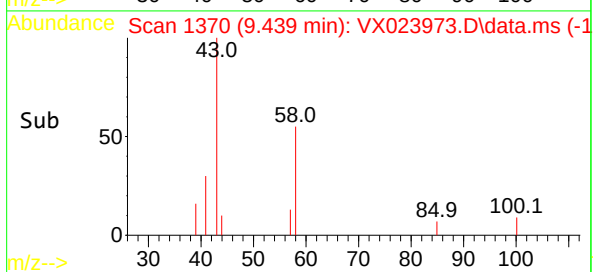
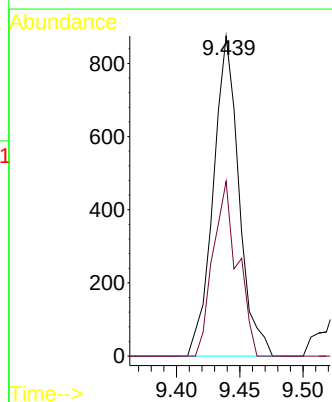
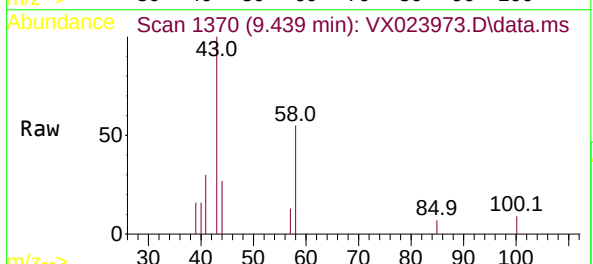
Instrument :
MSVOA_X
ClientSampled :

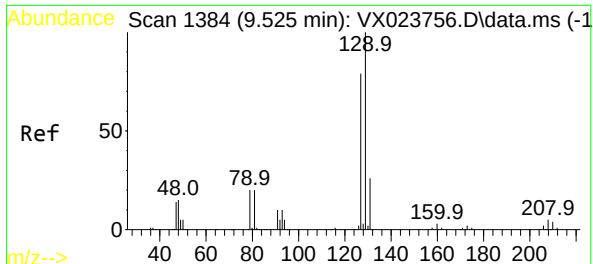
Tgt Ion: 43 Resp: 592
Ion Ratio Lower Upper
43 100
58 29.9 35.4 53.0#



#59
2-Hexanone
Concen: 0.607 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

Tgt Ion: 43 Resp: 1238
Ion Ratio Lower Upper
43 100
58 51.9 30.9 92.8





#60

Dibromochloromethane

Concen: 1.949 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VX023973.D

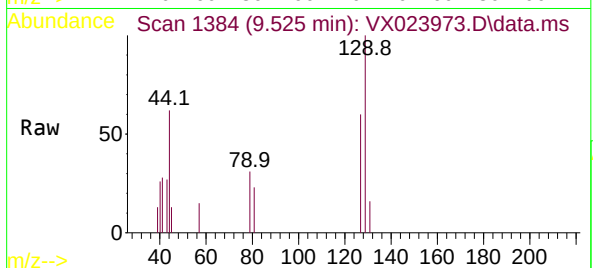
Acq: 26 Aug 2021 18:17

Tgt Ion:129 Resp: 502

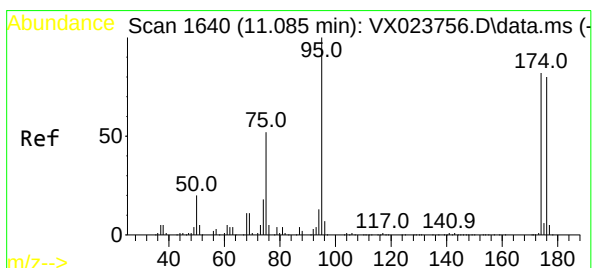
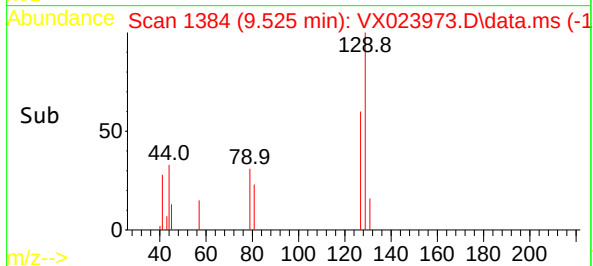
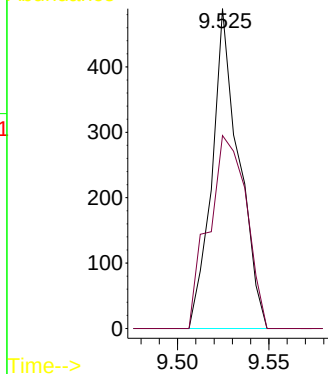
Ion Ratio Lower Upper

129 100

127 84.1 38.4 115.2



Abundance



#62

4-Bromofluorobenzene

Concen: 45.038 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX023973.D

Acq: 26 Aug 2021 18:17

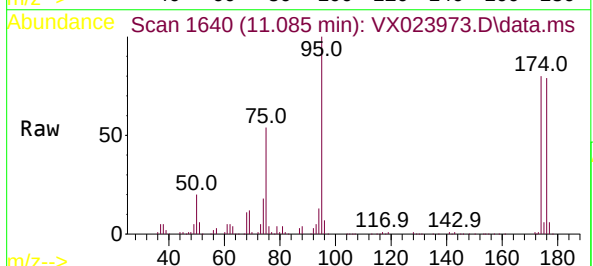
Tgt Ion: 95 Resp: 96243

Ion Ratio Lower Upper

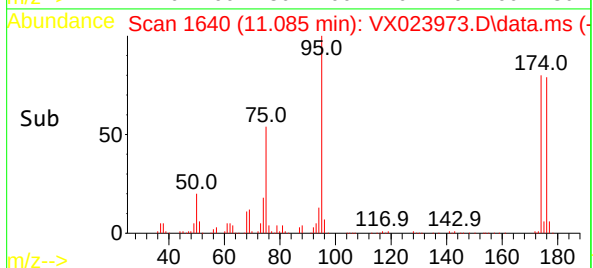
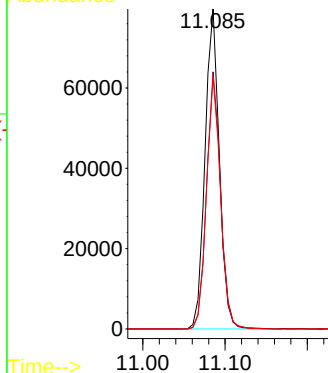
95 100

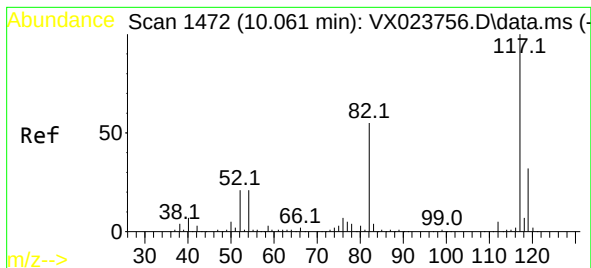
174 79.0 0.0 154.6

176 77.0 0.0 155.8



Abundance

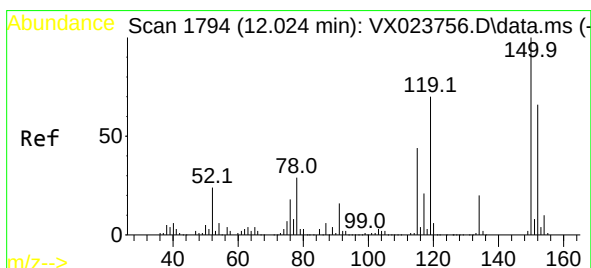
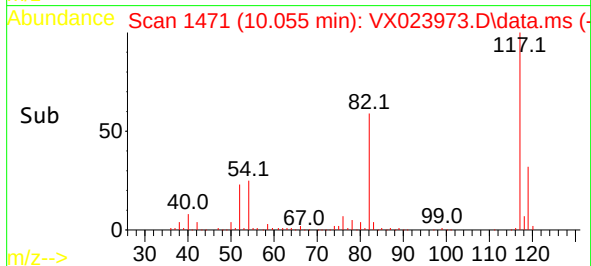
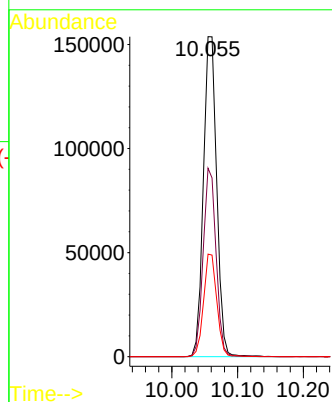
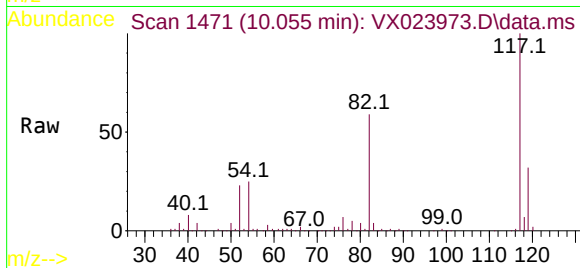




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

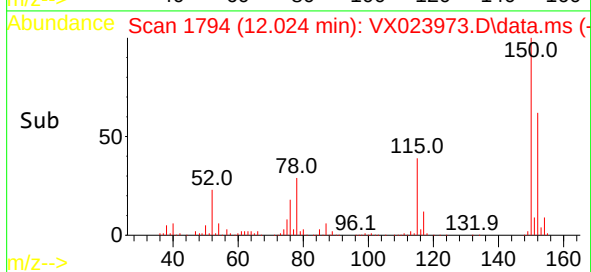
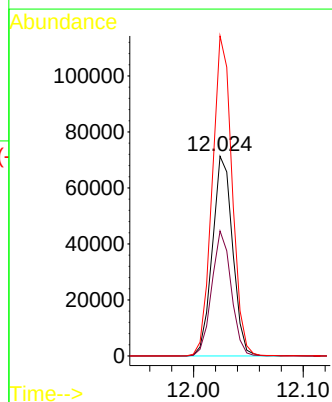
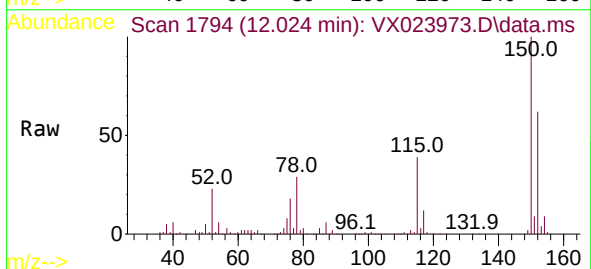
Instrument :
MSVOA_X
ClientSampled :

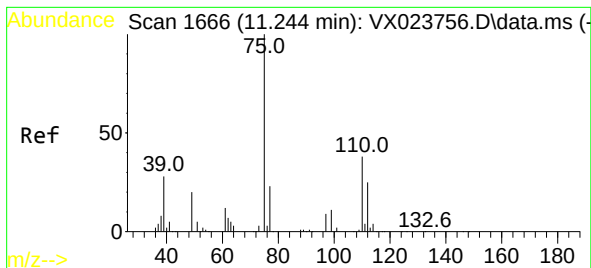
Tgt Ion:117 Resp: 216653
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

Tgt Ion:152 Resp: 91252
Ion Ratio Lower Upper
152 100
115 60.4 41.1 123.3
150 157.3 0.0 349.0

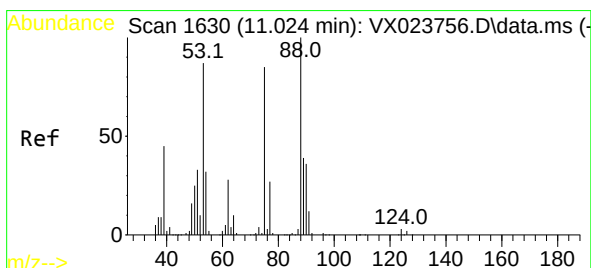
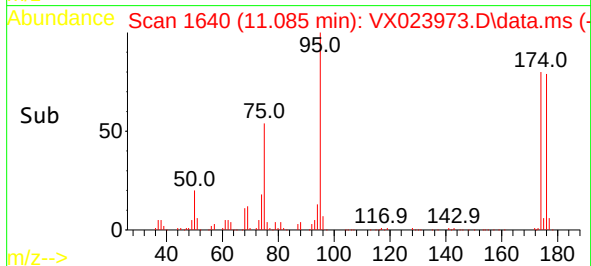
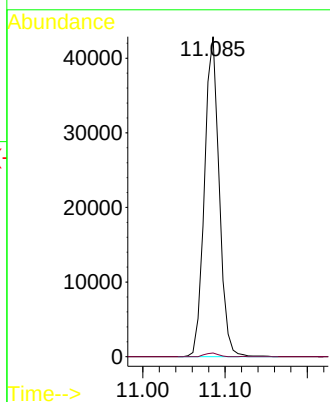
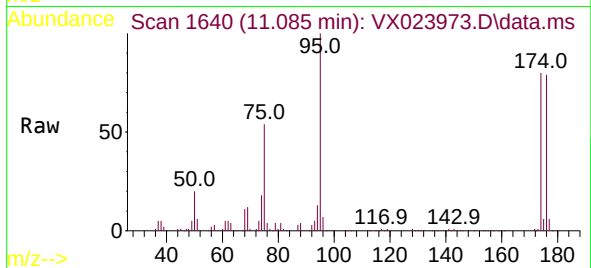




#76
1,2,3-Trichloropropane
Concen: 25.025 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 53270
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.612 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023973.D
Acq: 26 Aug 2021 18:17

Tgt Ion: 75 Resp: 53270
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

