

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090321\
 Data File : VX024110.D
 Acq On : 03 Sep 2021 18:14
 Operator : JC/MD
 Sample : M3646-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 93-94

Quant Time: Sep 04 01:32:15 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)

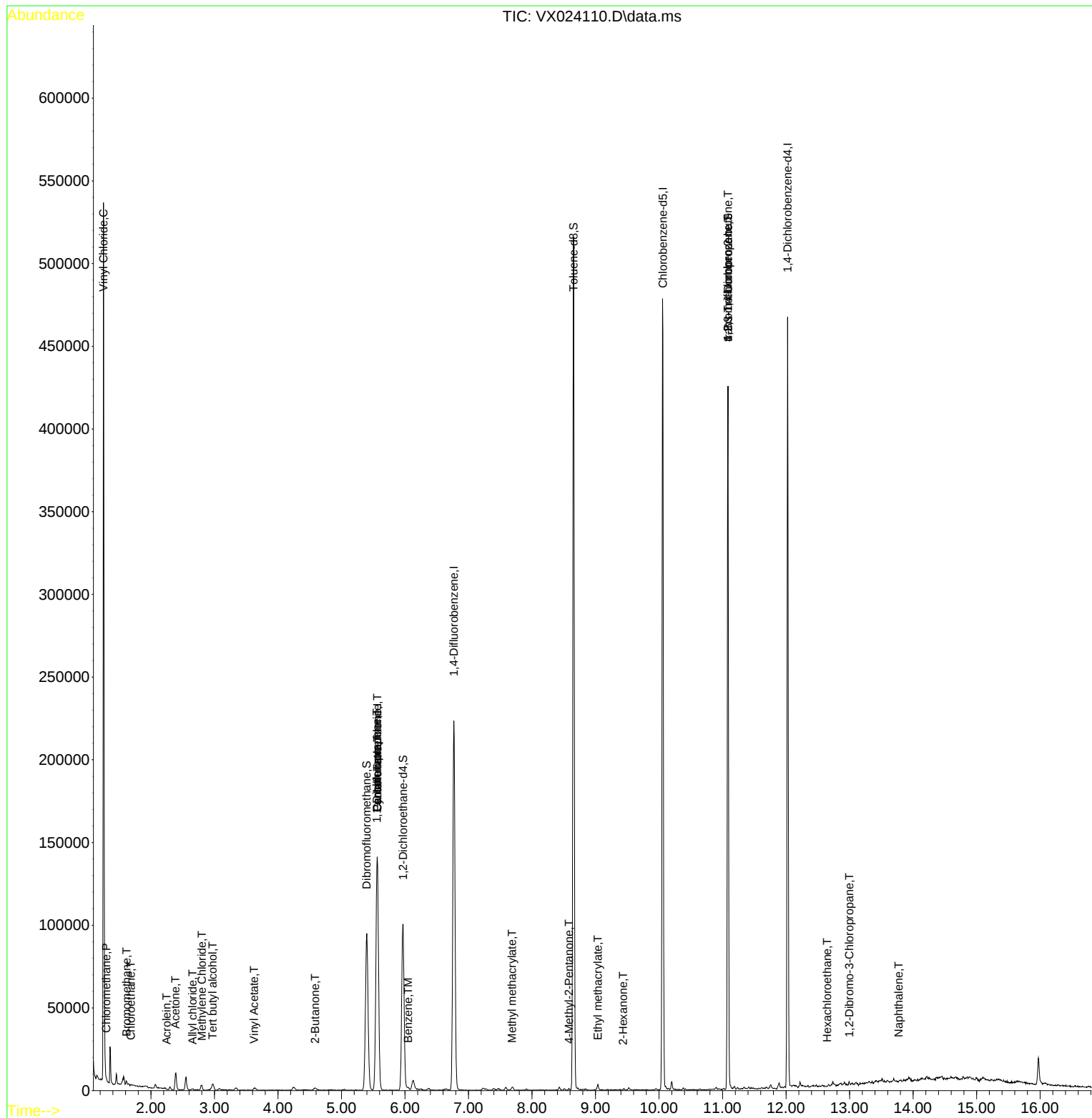
Internal Standards						
1) Pentafluorobenzene	5.562	168	133004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	221974	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	208645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	102564	55.251	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.500%
35) Dibromofluoromethane	5.397	113	80640	54.887	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.780%
50) Toluene-d8	8.653	98	285218	51.006	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.020%
62) 4-Bromofluorobenzene	11.085	95	104269	50.653	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.300%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	882	0.573	ug/l #	87
4) Vinyl Chloride	1.252	62	4646	3.092	ug/l #	44
5) Bromomethane	1.618	94	1334	1.412	ug/l	91
6) Chloroethane	1.685	64	68	2.269	ug/l #	43
11) Tert butyl alcohol	2.971	59	4198	11.183	ug/l	100
13) Acrolein	2.245	56	59	0.264	ug/l #	56
14) Allyl chloride	2.654	41	858	0.365	ug/l #	54
16) Acetone	2.386	43	11465	13.813	ug/l	90
20) Methylene Chloride	2.800	84	1447	0.913	ug/l	91
23) Vinyl Acetate	3.623	43	1453	0.383	ug/l #	68
25) 2-Butanone	4.587	43	2219	1.765	ug/l	91
31) Cyclohexane	5.562	56	3099	1.299	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	10655	5.183	ug/l #	51
38) Carbon Tetrachloride	5.562	117	14246	6.646	ug/l #	15
40) Benzene	6.050	78	1673	0.275	ug/l #	90
48) Methyl methacrylate	7.684	41	1079	0.560	ug/l #	33
51) 4-Methyl-2-Pentanone	8.580	43	578	0.226	ug/l #	85
56) Ethyl methacrylate	9.037	69	529	0.947	ug/l #	1
59) 2-Hexanone	9.433	43	407	0.207	ug/l #	58
76) 1,2,3-Trichloropropane	11.085	75	57097	26.707	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57097	78.559	ug/l #	12
90) Hexachloroethane	12.646	117	30	1.495	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	12.994	75	24	2.205	ug/l #	1
95) Naphthalene	13.774	128	419	1.343	ug/l #	78

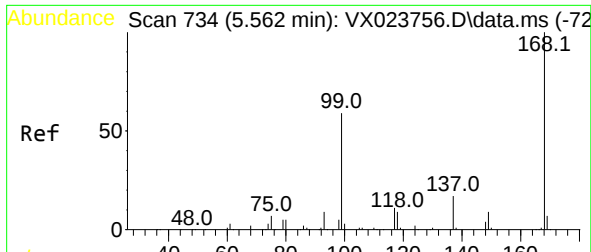
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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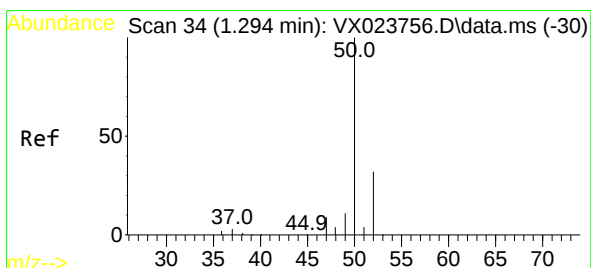
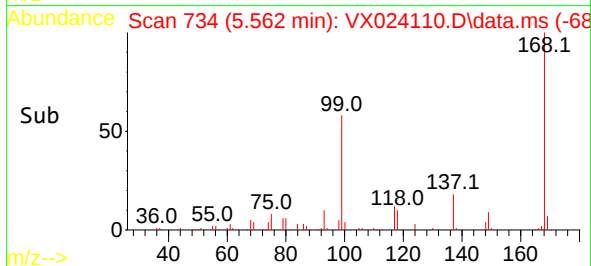
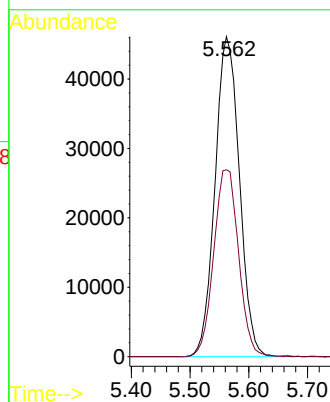
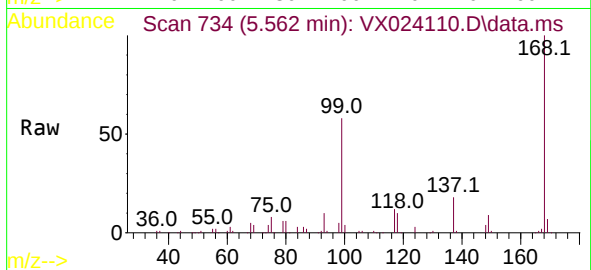




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

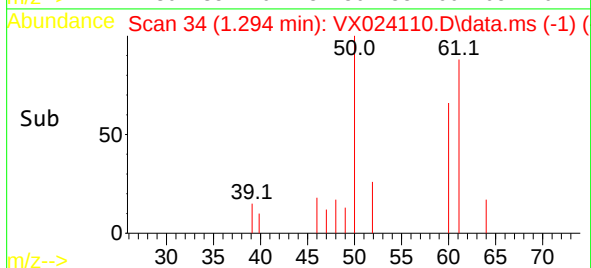
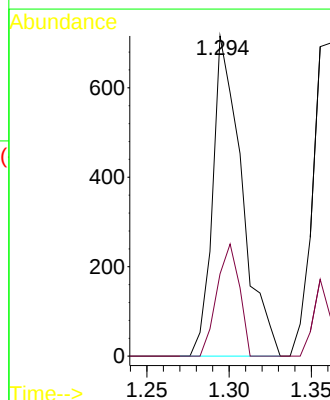
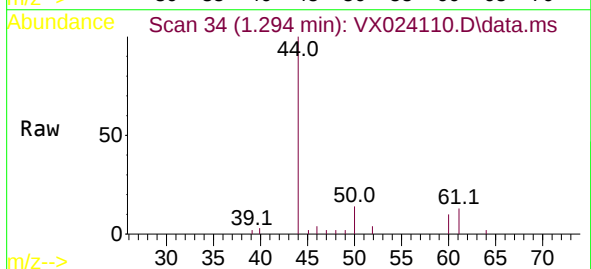
Instrument :
MSVOA_X
ClientSampled :
93-94

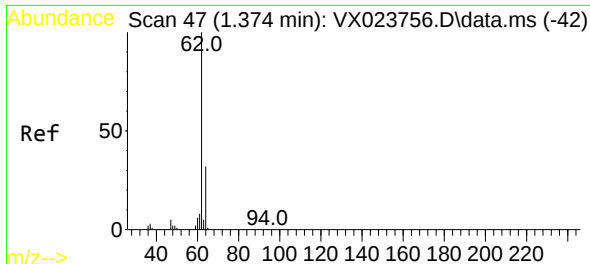
Tgt Ion:168 Resp: 133004
Ion Ratio Lower Upper
168 100
99 58.4 45.8 68.6



#3
Chloromethane
Concen: 0.573 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

Tgt Ion: 50 Resp: 882
Ion Ratio Lower Upper
50 100
52 25.7 26.4 39.6#

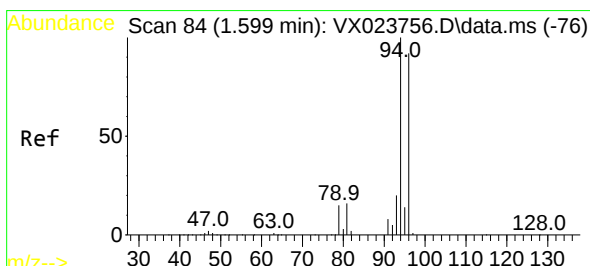
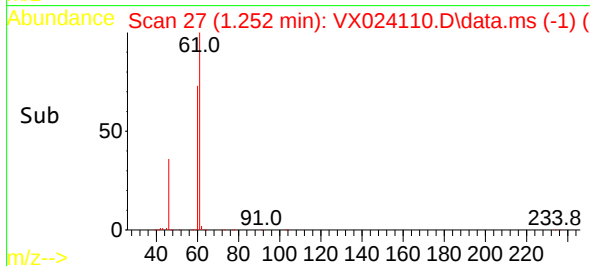
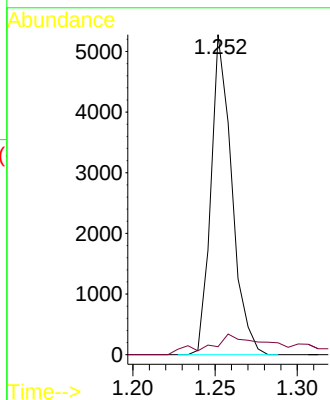
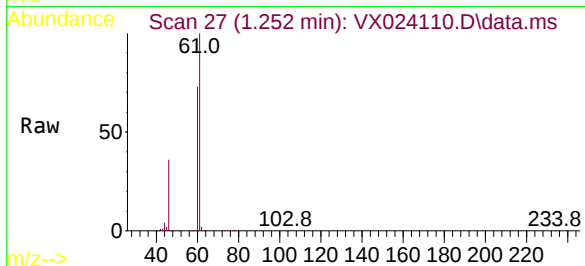




#4
 Vinyl Chloride
 Concen: 3.092 ug/l
 RT: 1.252 min Scan# 27
 Delta R.T. -0.122 min
 Lab File: VX024110.D
 Acq: 03 Sep 2021 18:14

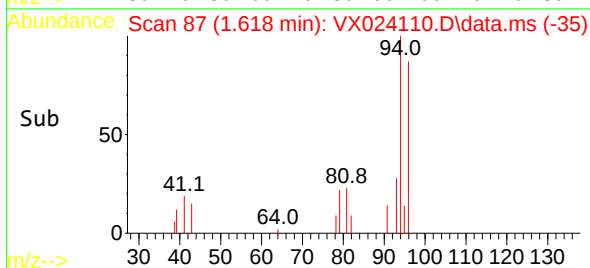
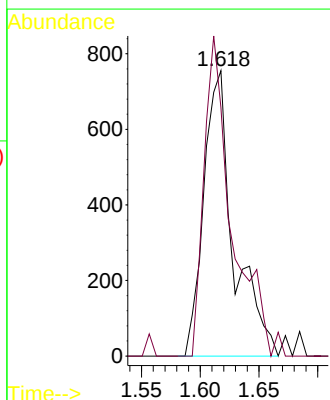
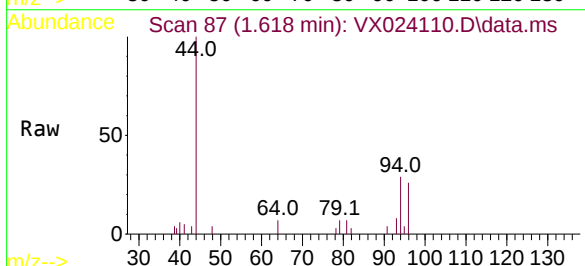
Instrument :
 MSVOA_X
 ClientSampled :
 93-94

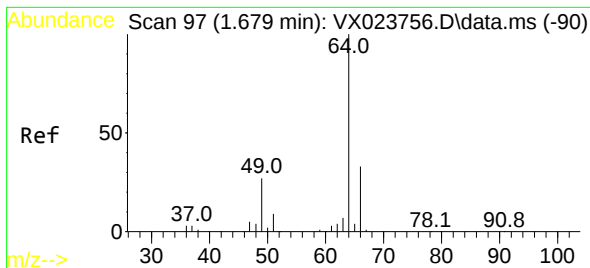
Tgt Ion: 62 Resp: 4646
 Ion Ratio Lower Upper
 62 100
 64 0.8 25.7 38.5#



#5
 Bromomethane
 Concen: 1.412 ug/l
 RT: 1.618 min Scan# 87
 Delta R.T. 0.019 min
 Lab File: VX024110.D
 Acq: 03 Sep 2021 18:14

Tgt Ion: 94 Resp: 1334
 Ion Ratio Lower Upper
 94 100
 96 87.2 76.4 114.6





#6

Chloroethane

Concen: 2.269 ug/l

RT: 1.685 min Scan# 98

Delta R.T. 0.006 min

Lab File: VX024110.D

Acq: 03 Sep 2021 18:14

Instrument :

MSVOA_X

ClientSampleId :

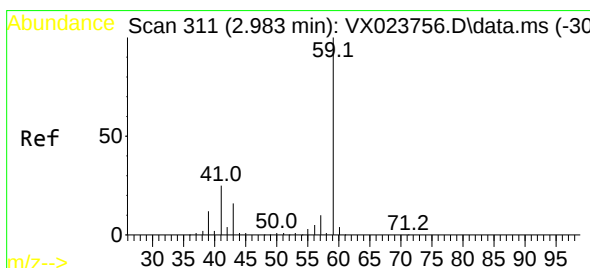
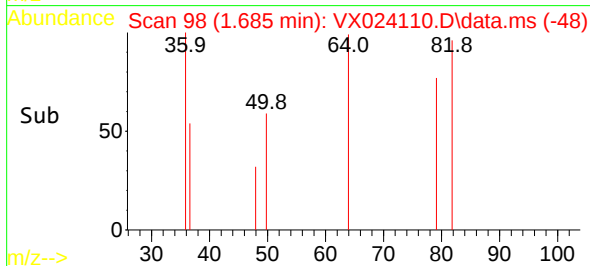
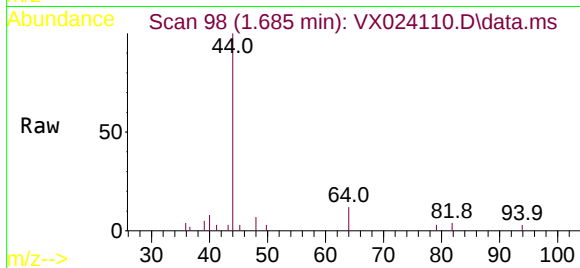
93-94

Tgt Ion: 64 Resp: 68

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



#11

Tert butyl alcohol

Concen: 11.183 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.012 min

Lab File: VX024110.D

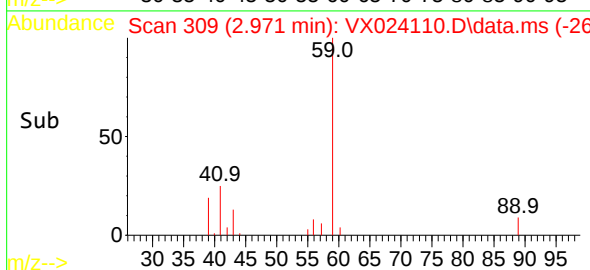
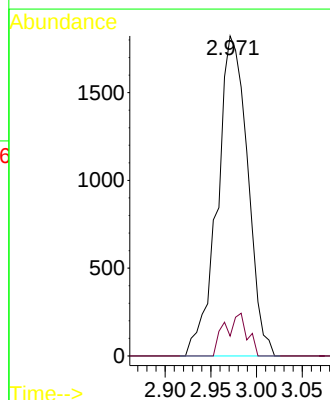
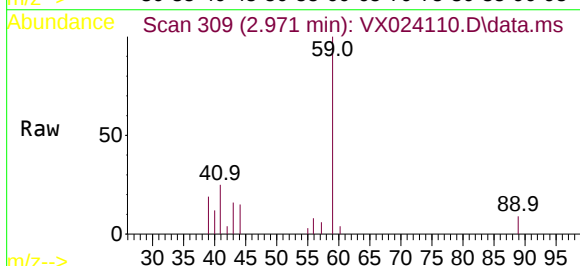
Acq: 03 Sep 2021 18:14

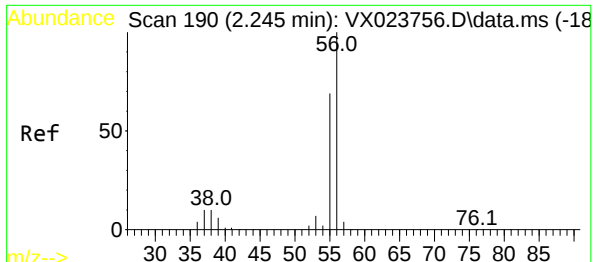
Tgt Ion: 59 Resp: 4198

Ion Ratio Lower Upper

59 100

57 9.8 7.8 11.8

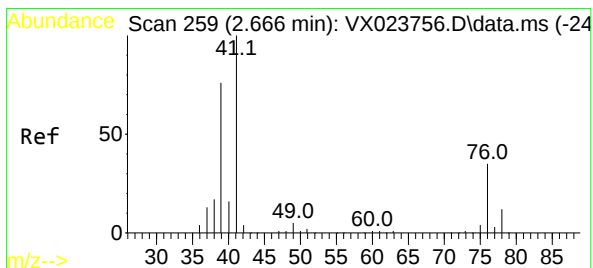
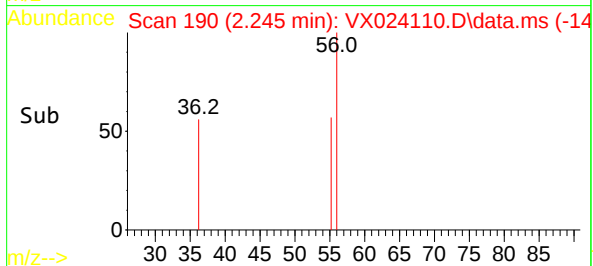
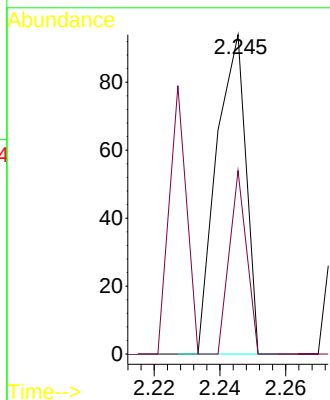
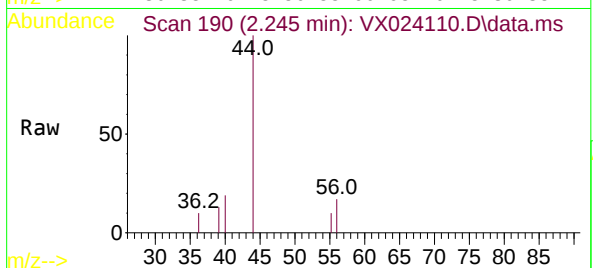




#13
Acrolein
Concen: 0.264 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.000 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

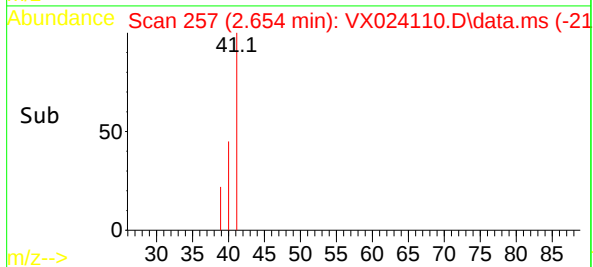
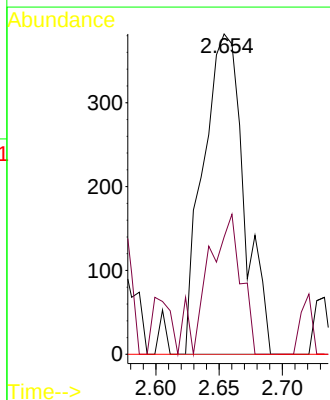
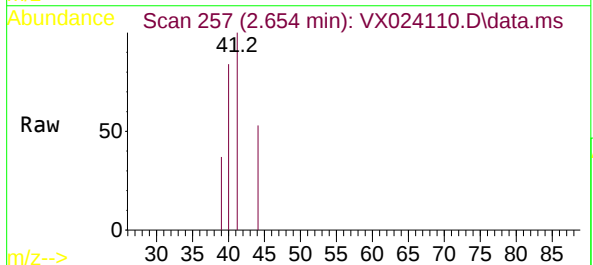
Instrument :
MSVOA_X
ClientSampled :
93-94

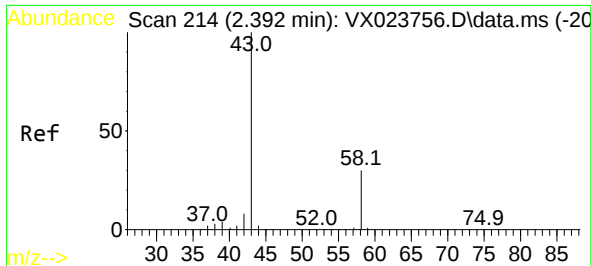
Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 33.9 56.4 84.6#



#14
Allyl chloride
Concen: 0.365 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.012 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

Tgt Ion: 41 Resp: 858
Ion Ratio Lower Upper
41 100
39 36.1 51.6 77.4#
76 0.0 30.5 45.7#

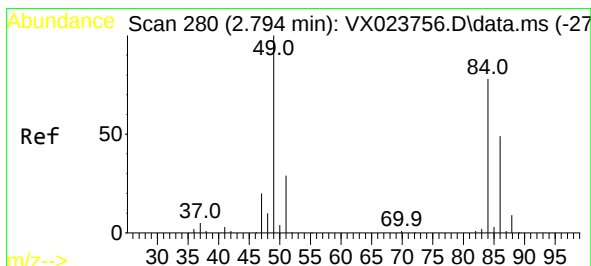
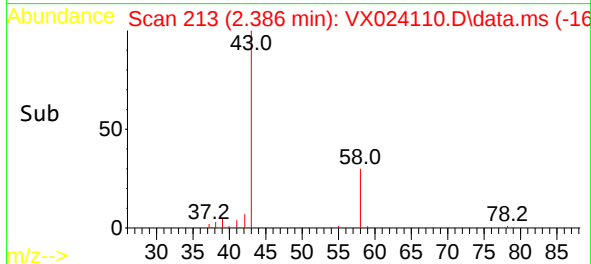
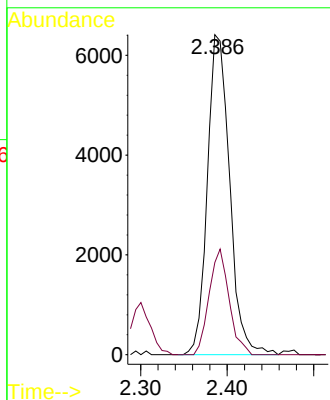
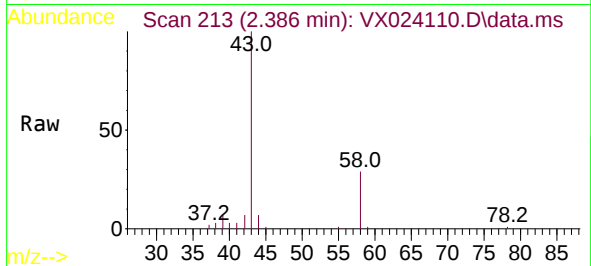




#16
Acetone
Concen: 13.813 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

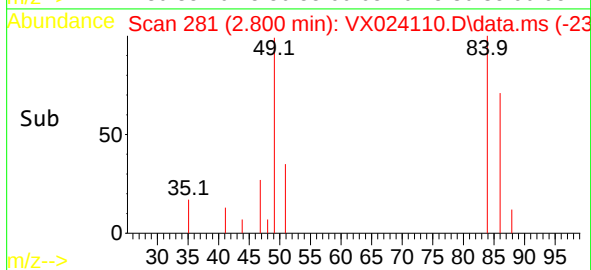
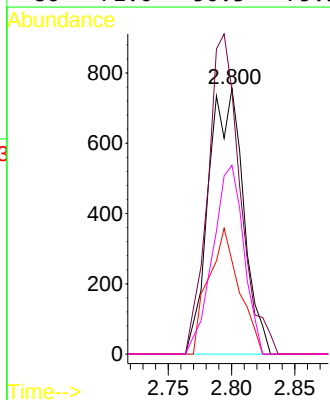
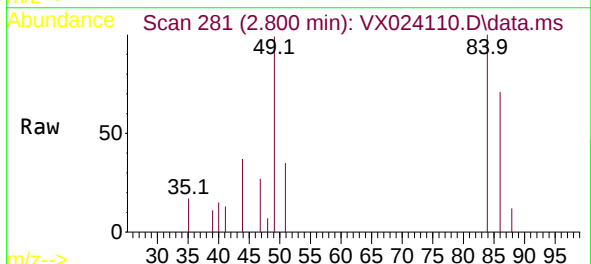
Instrument :
MSVOA_X
ClientSampled :
93-94

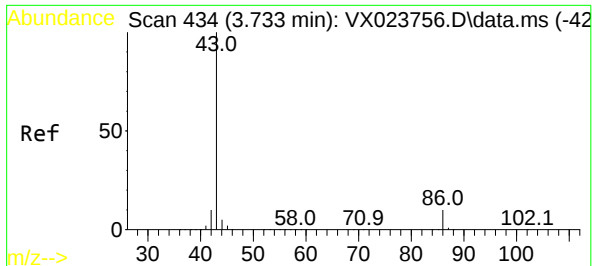
Tgt Ion: 43 Resp: 11465
Ion Ratio Lower Upper
43 100
58 28.8 27.8 41.8



#20
Methylene Chloride
Concen: 0.913 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

Tgt Ion: 84 Resp: 1447
Ion Ratio Lower Upper
84 100
49 99.1 88.6 132.8
51 35.1 27.0 40.6
86 71.0 50.3 75.5

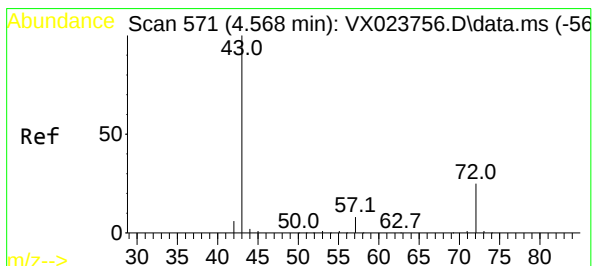
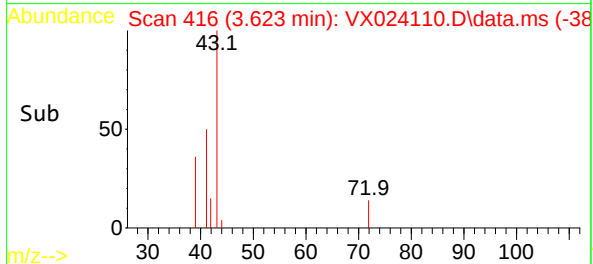
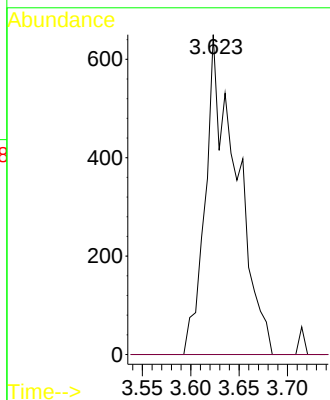
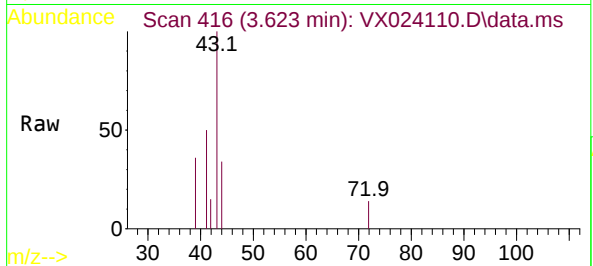




#23
 Vinyl Acetate
 Concen: 0.383 ug/l
 RT: 3.623 min Scan# 416
 Delta R.T. -0.110 min
 Lab File: VX024110.D
 Acq: 03 Sep 2021 18:14

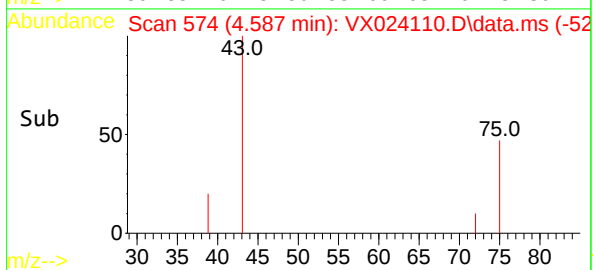
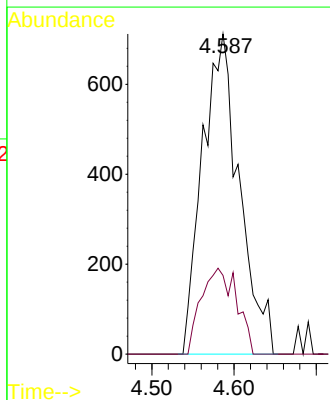
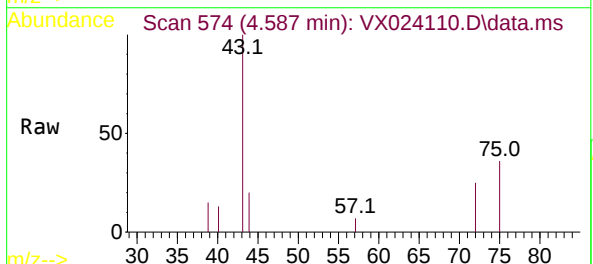
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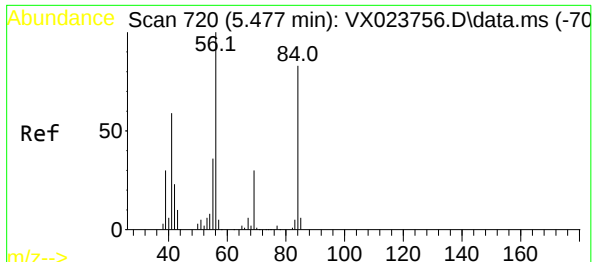
Tgt Ion: 43 Resp: 1453
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#25
 2-Butanone
 Concen: 1.765 ug/l
 RT: 4.587 min Scan# 574
 Delta R.T. 0.019 min
 Lab File: VX024110.D
 Acq: 03 Sep 2021 18:14

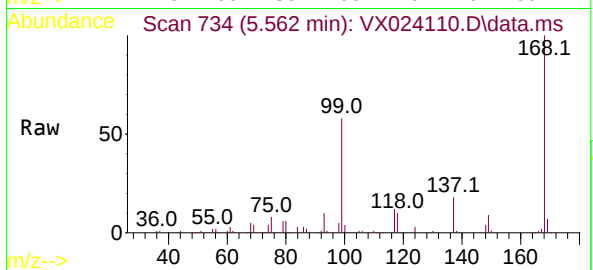
Tgt Ion: 43 Resp: 2219
 Ion Ratio Lower Upper
 43 100
 72 24.6 23.7 35.5



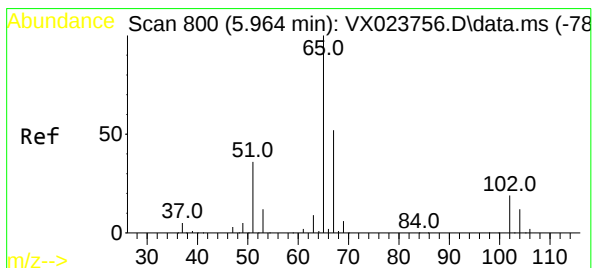
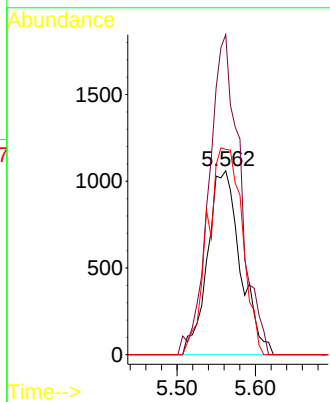
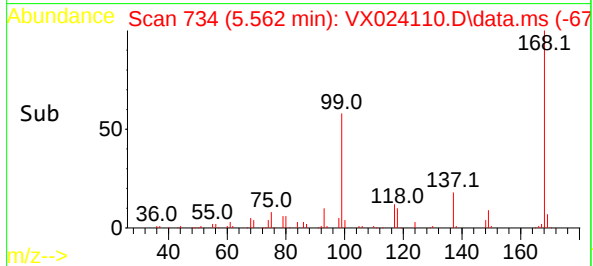


#31
Cyclohexane
Concen: 1.299 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

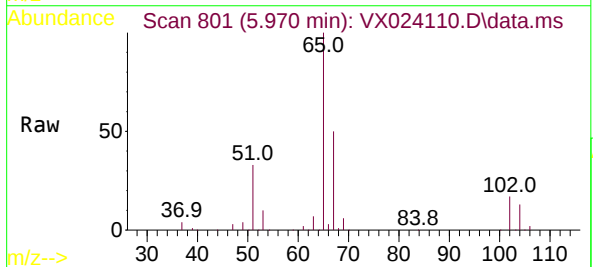
Instrument :
MSVOA_X
ClientSampled :
93-94



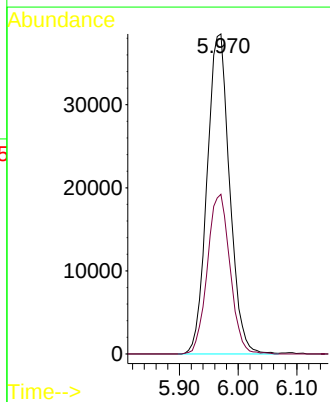
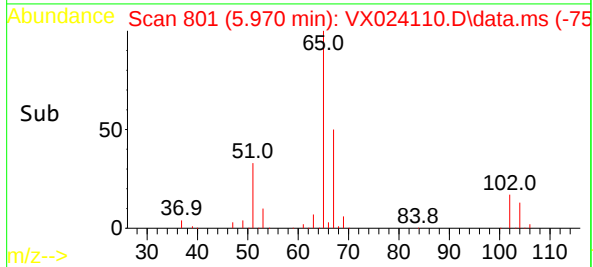
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Ion Ratio Lower Upper
56 100
69 174.1 25.3 37.9#
84 111.7 71.4 107.0#

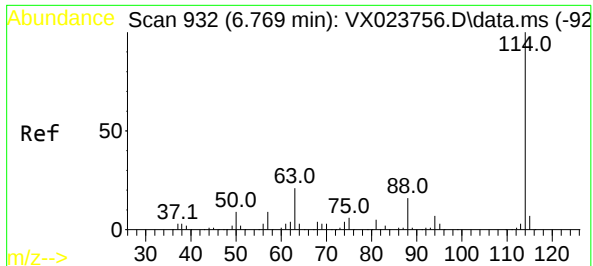


#33
1,2-Dichloroethane-d4
Concen: 55.251 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14



Tgt Ion: 65 Resp: 102564
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.4

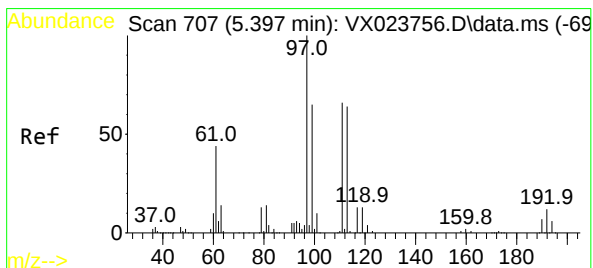
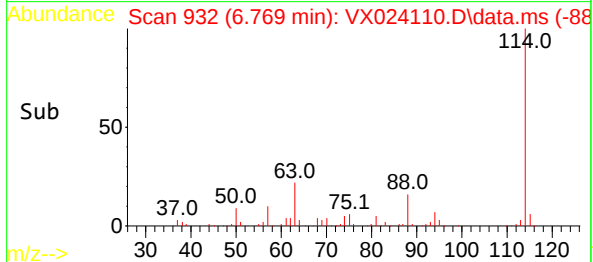
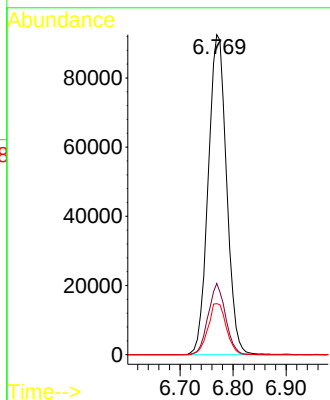
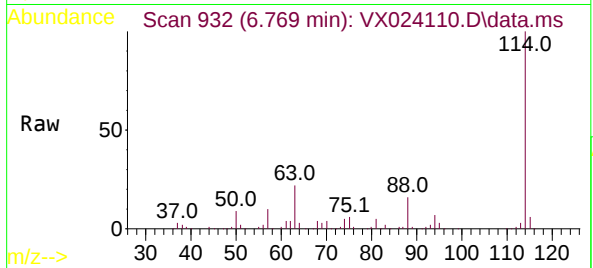




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

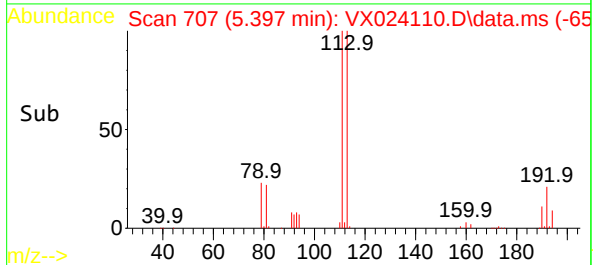
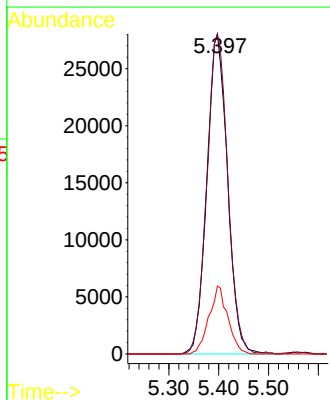
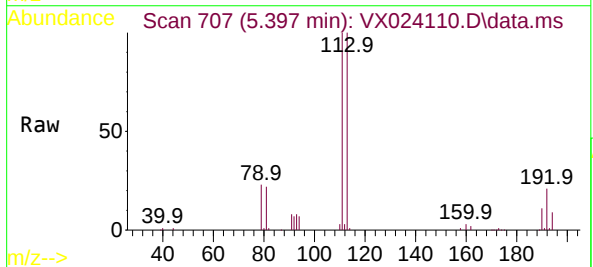
Instrument :
MSVOA_X
ClientSampled :
93-94

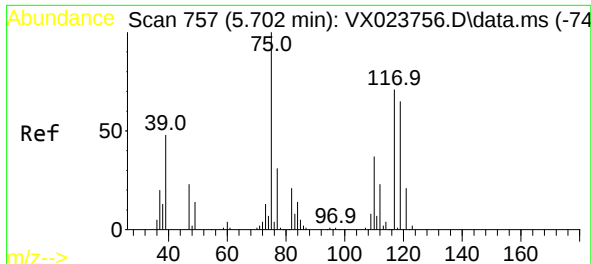
Tgt Ion:114 Resp: 221974
Ion Ratio Lower Upper
114 100
63 22.2 0.0 40.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 54.887 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

Tgt Ion:113 Resp: 80640
Ion Ratio Lower Upper
113 100
111 101.3 81.9 122.9
192 19.3 16.7 25.1

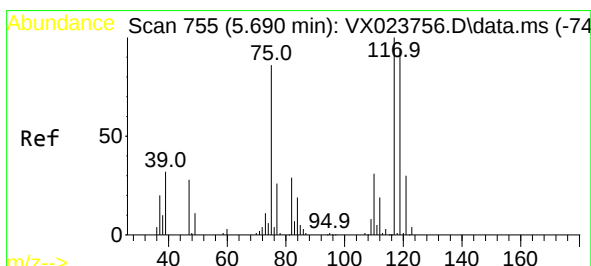
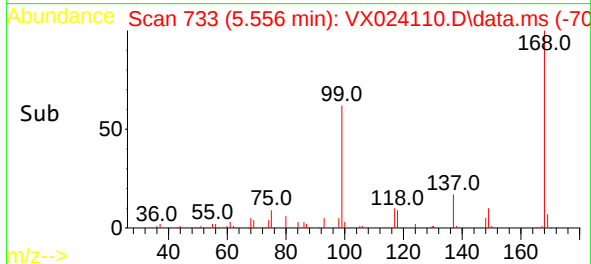
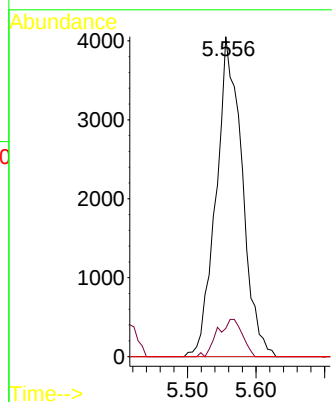
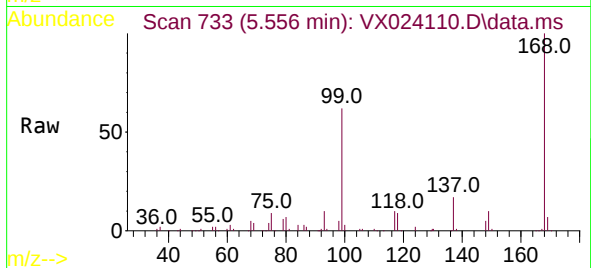




#36
1,1-Dichloropropene
Concen: 5.183 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

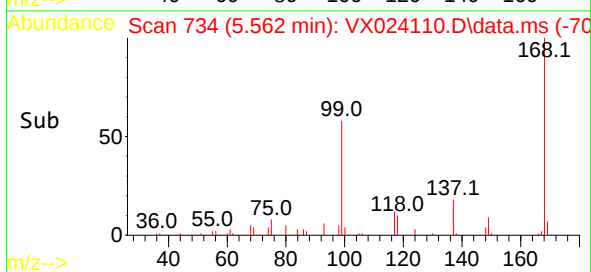
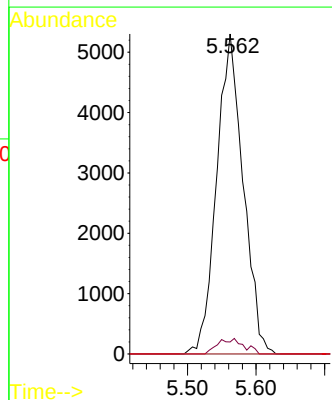
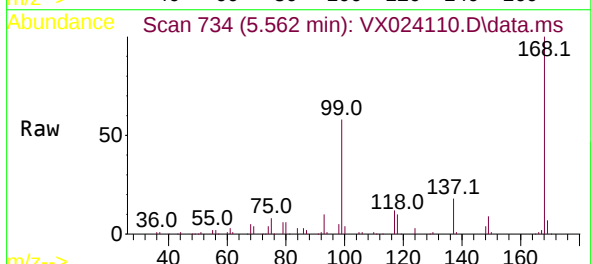
Instrument :
MSVOA_X
ClientSampled :
93-94

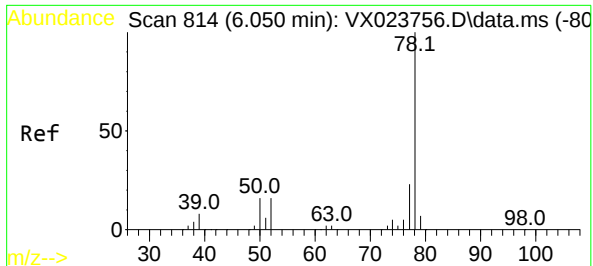
Tgt Ion: 75 Resp: 10655
Ion Ratio Lower Upper
75 100
110 11.1 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.646 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

Tgt Ion: 117 Resp: 14246
Ion Ratio Lower Upper
117 100
119 3.7 76.2 114.2#
121 0.0 24.8 37.2#

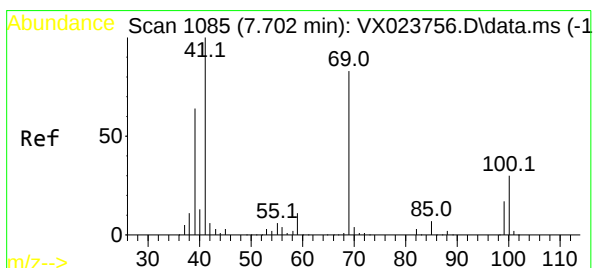
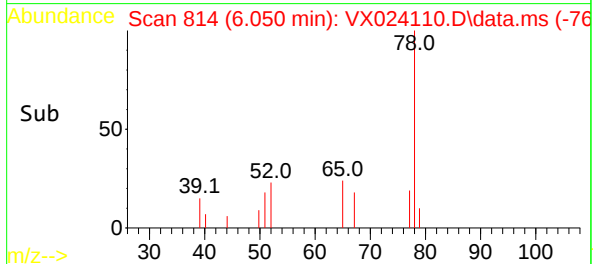
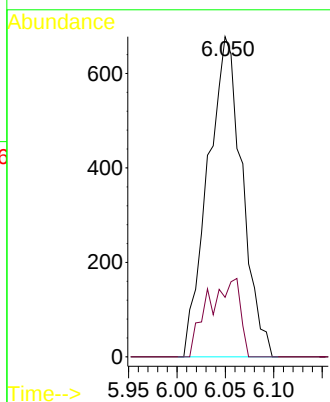
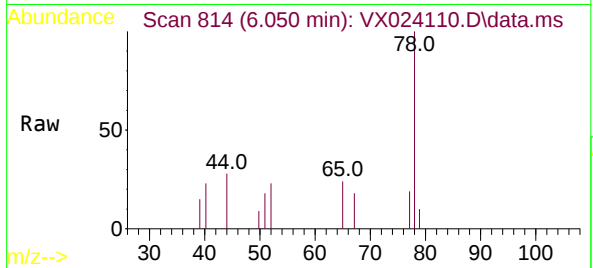




#40
Benzene
Concen: 0.275 ug/l
RT: 6.050 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

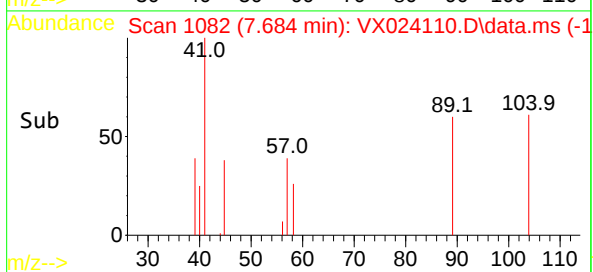
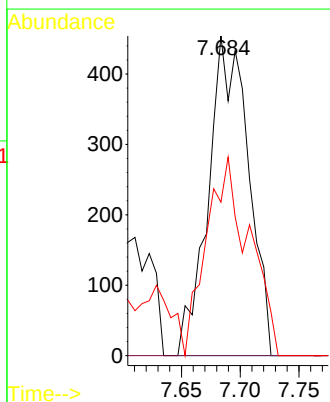
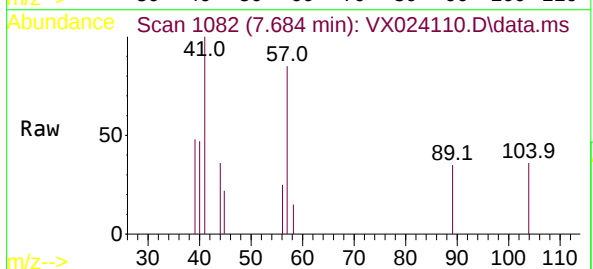
Instrument :
MSVOA_X
ClientSampled :
93-94

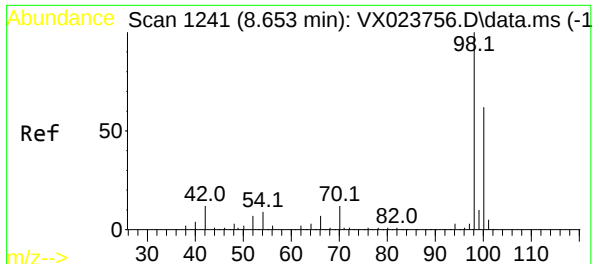
Tgt Ion: 78 Resp: 1673
Ion Ratio Lower Upper
78 100
77 18.6 18.9 28.3#



#48
Methyl methacrylate
Concen: 0.560 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. -0.018 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

Tgt Ion: 41 Resp: 1079
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 66.1 44.6 67.0

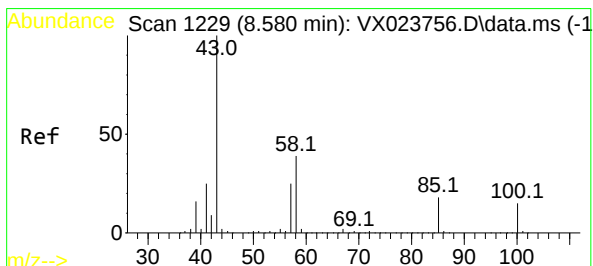
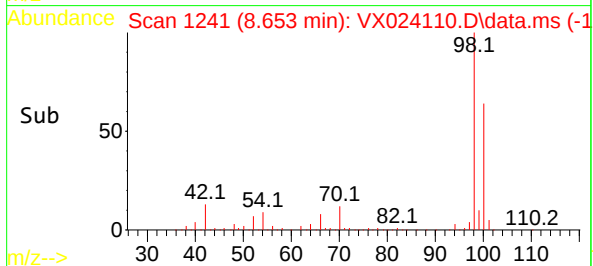
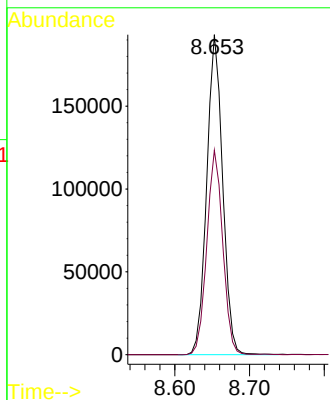
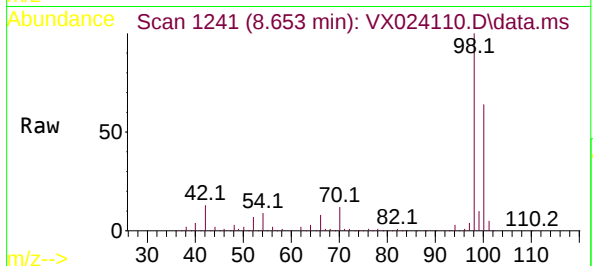




#50
Toluene-d8
Concen: 51.006 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

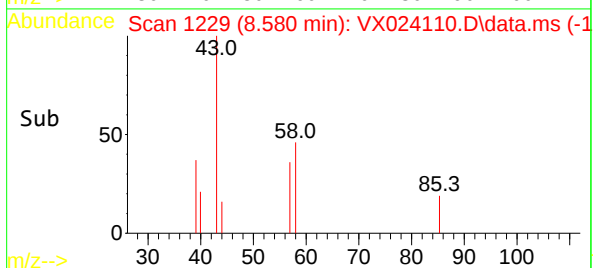
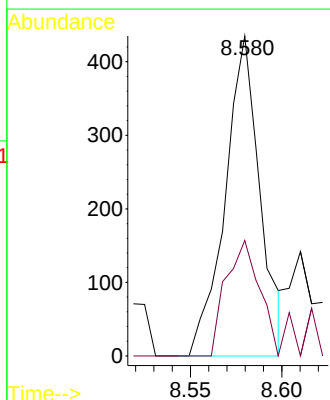
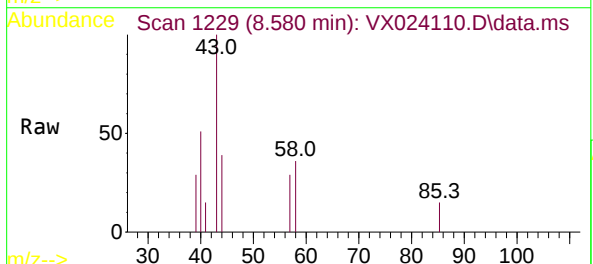
Instrument :
MSVOA_X
ClientSampled :
93-94

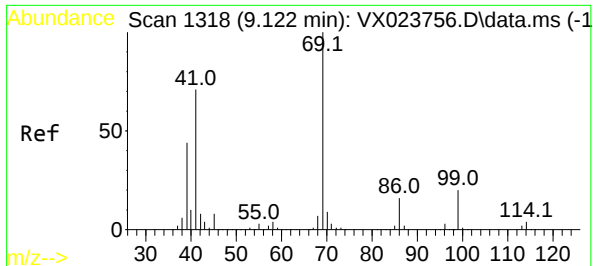
Tgt Ion: 98 Resp: 285218
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.226 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

Tgt Ion: 43 Resp: 578
Ion Ratio Lower Upper
43 100
58 34.8 35.4 53.0#

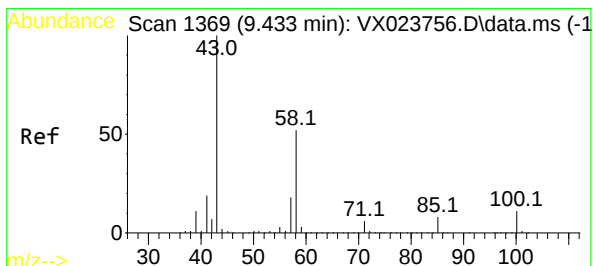
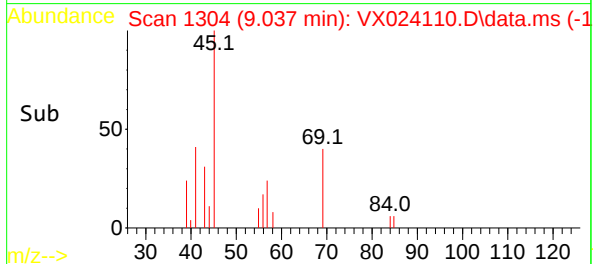
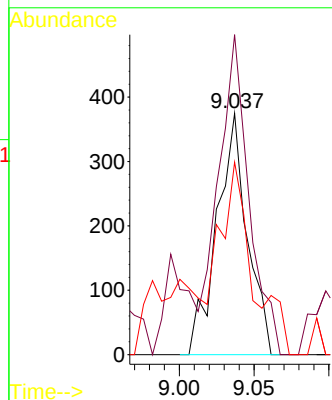
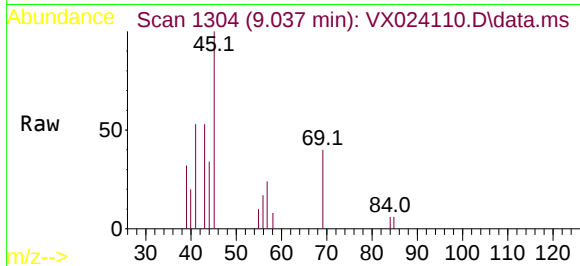




#56
Ethyl methacrylate
Concen: 0.947 ug/l
RT: 9.037 min Scan# 1304
Delta R.T. -0.085 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

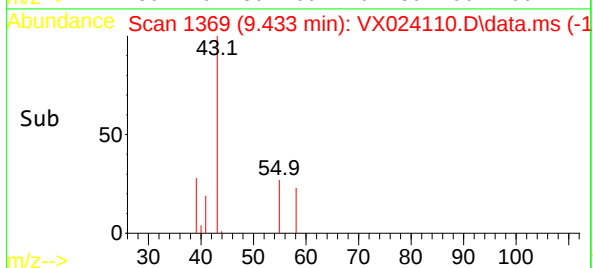
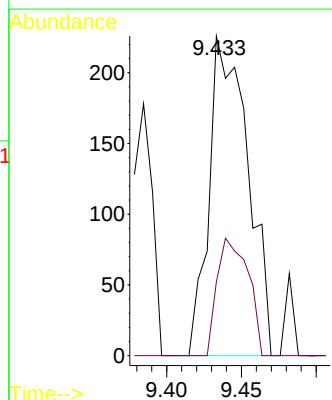
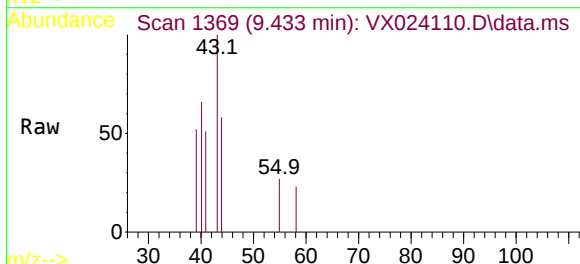
Instrument :
MSVOA_X
ClientSampled :
93-94

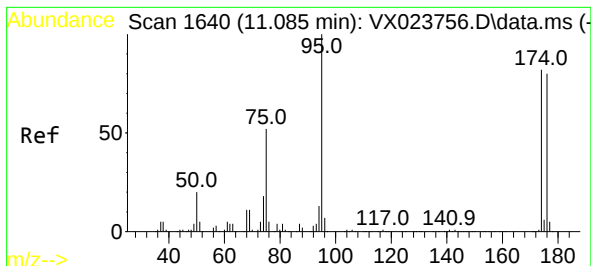
Tgt Ion: 69 Resp: 529
Ion Ratio Lower Upper
69 100
41 133.6 46.8 70.2#
39 85.1 24.7 37.1#



#59
2-Hexanone
Concen: 0.207 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

Tgt Ion: 43 Resp: 407
Ion Ratio Lower Upper
43 100
58 29.5 30.9 92.8#

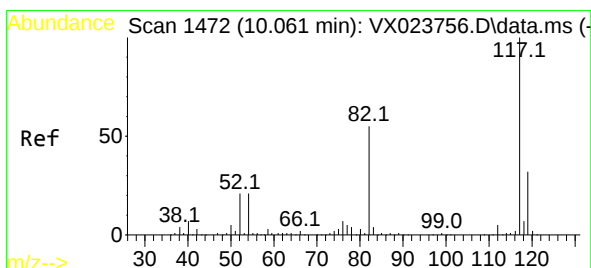
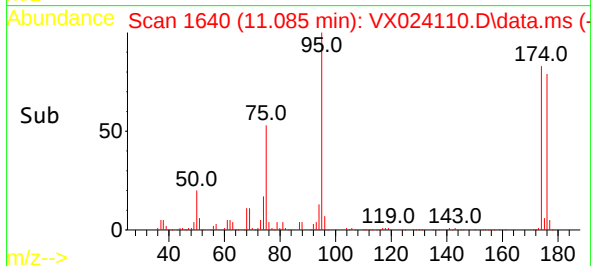
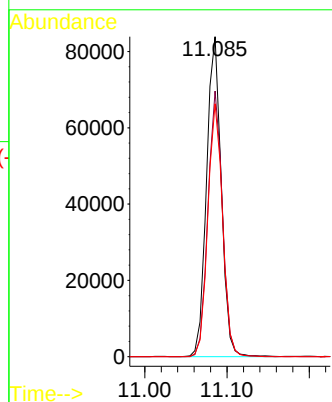
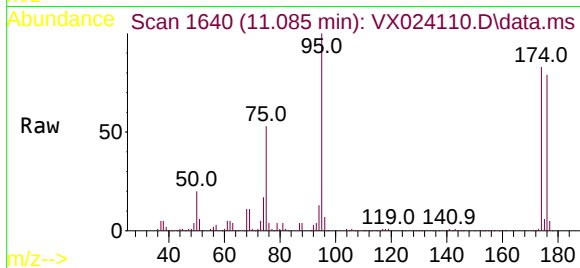




#62
4-Bromofluorobenzene
Concen: 50.653 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

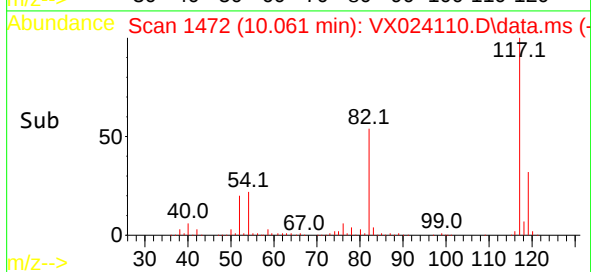
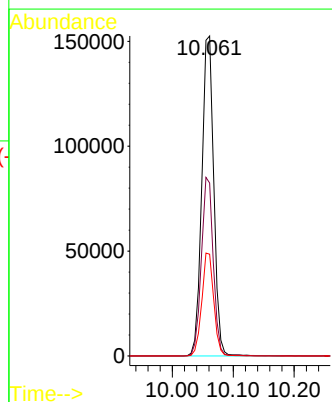
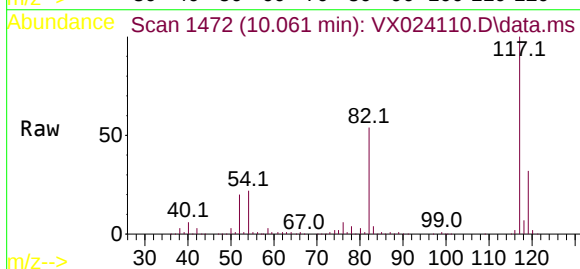
Instrument :
MSVOA_X
ClientSampled :
93-94

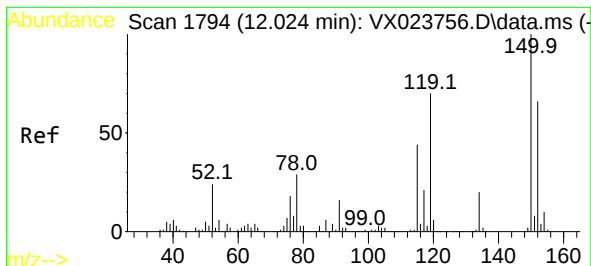
Tgt Ion: 95 Resp: 104269
Ion Ratio Lower Upper
95 100
174 82.0 0.0 154.6
176 78.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

Tgt Ion: 117 Resp: 208645
Ion Ratio Lower Upper
117 100
82 54.0 47.4 71.2
119 31.8 26.6 39.8

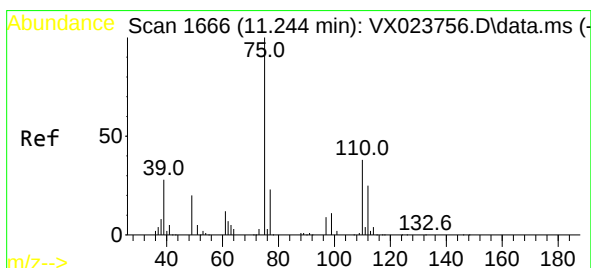
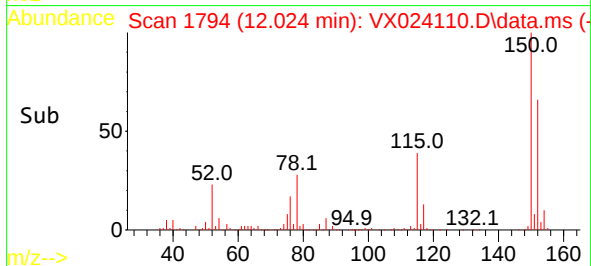
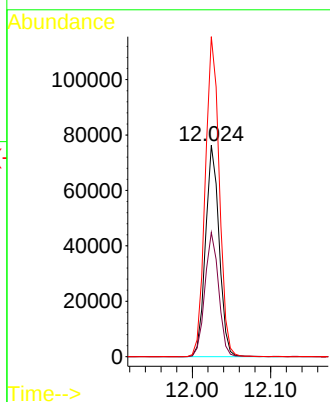
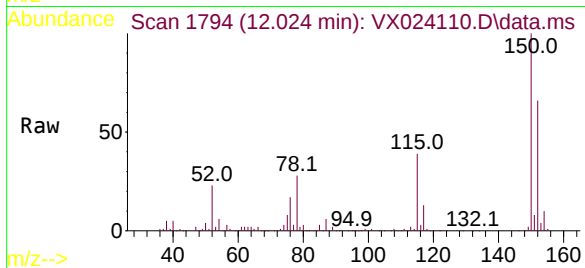




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

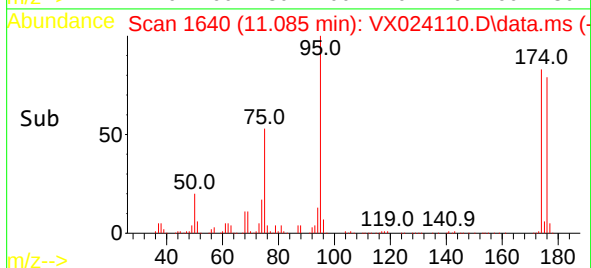
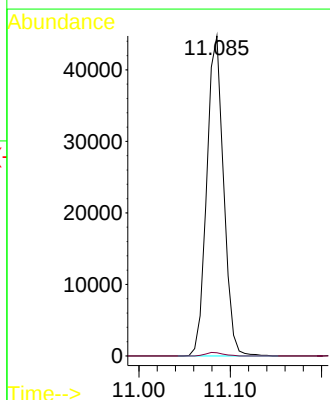
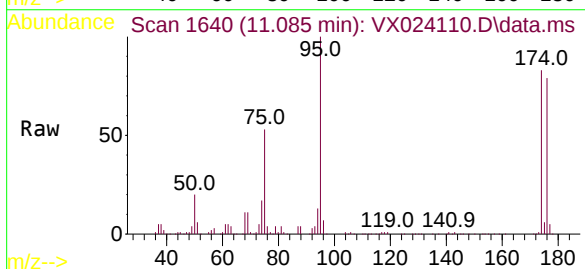
Instrument :
MSVOA_X
ClientSampled :
93-94

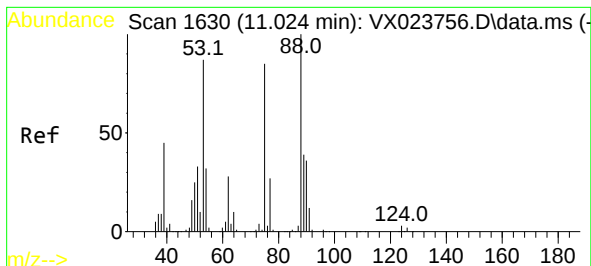
Tgt Ion:152 Resp: 91649
Ion Ratio Lower Upper
152 100
115 59.5 41.1 123.3
150 156.1 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.707 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

Tgt Ion: 75 Resp: 57097
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

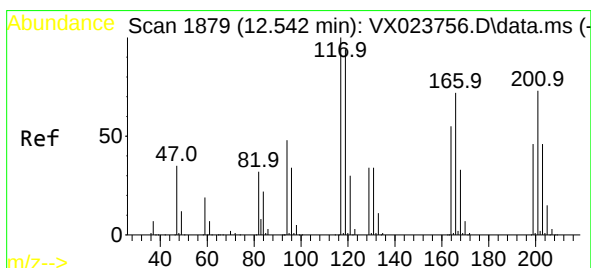
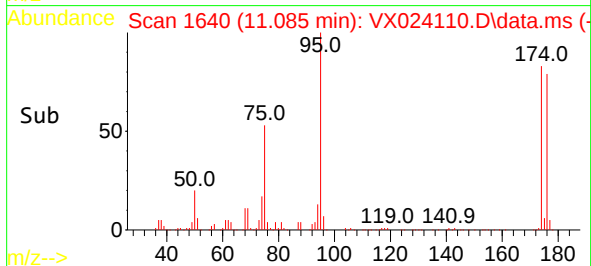
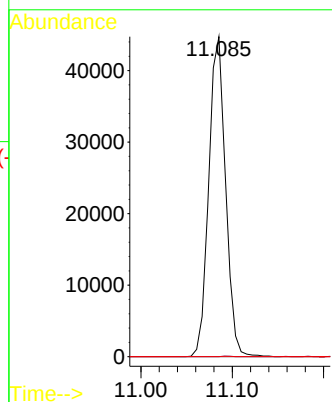
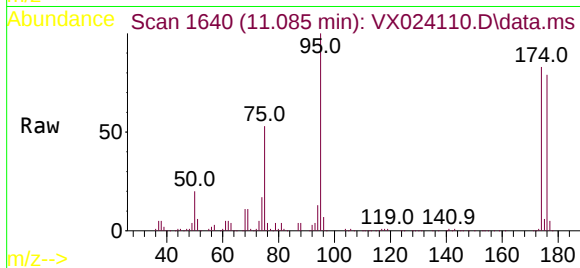




#81
trans-1,4-Dichloro-2-butene
Concen: 78.559 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

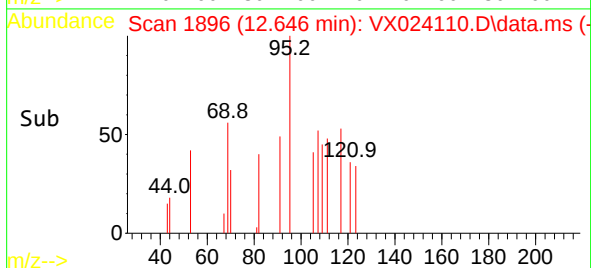
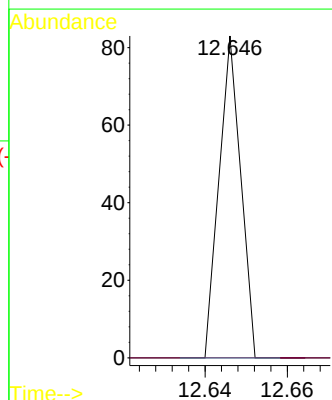
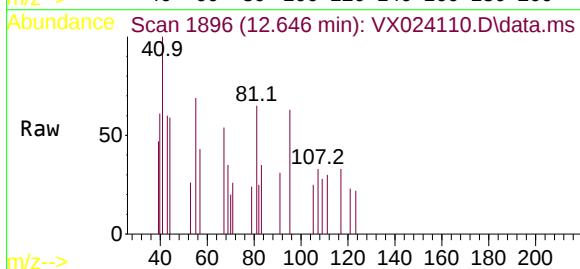
Instrument :
MSVOA_X
ClientSampled :
93-94

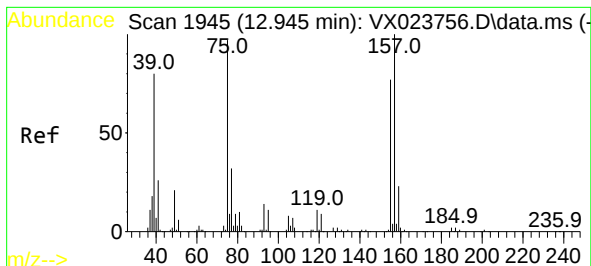
Tgt Ion: 75 Resp: 57097
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 1.495 ug/l
RT: 12.646 min Scan# 1896
Delta R.T. 0.104 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

Tgt Ion: 117 Resp: 30
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#

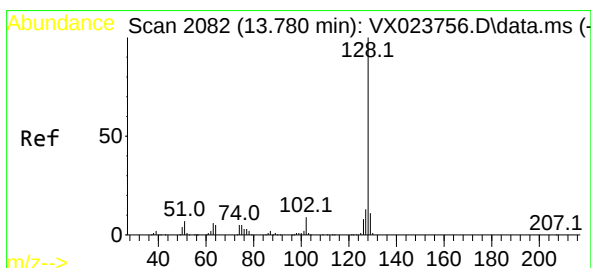
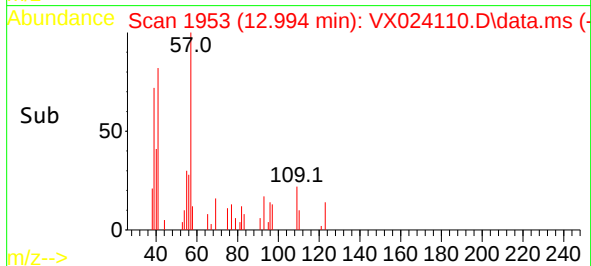
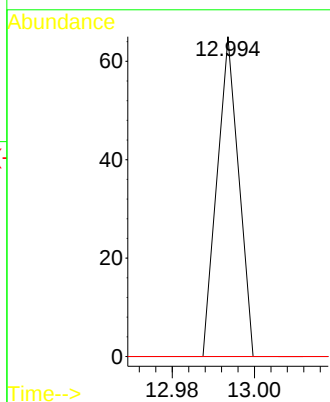
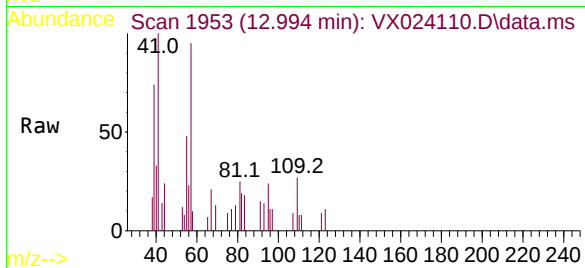




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.205 ug/l
RT: 12.994 min Scan# 1953
Delta R.T. 0.049 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

Instrument :
MSVOA_X
ClientSampleId :
93-94

Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#



#95
Naphthalene
Concen: 1.343 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX024110.D
Acq: 03 Sep 2021 18:14

Tgt Ion: 128 Resp: 419
Ion Ratio Lower Upper
128 100
127 6.2 10.3 15.5#
129 21.2 8.8 13.2#

