

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090721\
 Data File : VX024122.D
 Acq On : 07 Sep 2021 16:52
 Operator : JC/MD
 Sample : M3655-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 08 13:27:38 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

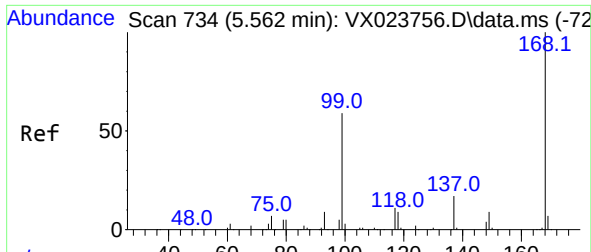
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	148002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	245192	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	110300	53.398	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 106.800%		
35) Dibromofluoromethane	5.397	113	60275	37.141	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 74.280%#		
50) Toluene-d8	8.653	98	313320	50.726	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 101.460%		
62) 4-Bromofluorobenzene	11.085	95	108061	47.524	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 95.040%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	781	0.743	ug/l #	72
6) Chloroethane	1.672	64	318	2.435	ug/l	92
10) Methyl Iodide	2.471	142	1103	0.533	ug/l #	87
11) Tert butyl alcohol	2.965	59	3639	8.711	ug/l #	75
13) Acrolein	2.251	56	83	0.334	ug/l #	14
16) Acetone	2.385	43	101141	109.507	ug/l #	86
18) Methyl Acetate	2.709	43	1024	0.444	ug/l #	67
20) Methylene Chloride	2.794	84	11041	6.258	ug/l	94
22) Diisopropyl ether	3.867	45	1296	0.249	ug/l #	1
23) Vinyl Acetate	3.867	43	3244	0.769	ug/l #	68
25) 2-Butanone	4.580	43	9528	6.811	ug/l	96
29) Tetrahydrofuran	5.031	42	1416	1.563	ug/l #	50
31) Cyclohexane	5.562	56	3186	1.201	ug/l #	12
36) 1,1-Dichloropropene	5.556	75	11618	5.117	ug/l #	49
37) Ethyl Acetate	4.580	43	9528	3.414	ug/l #	65
38) Carbon Tetrachloride	5.556	117	15224	6.430	ug/l #	15
41) Methacrylonitrile	5.031	41	1089	0.720	ug/l #	41
51) 4-Methyl-2-Pentanone	8.579	43	5626	1.993	ug/l #	86
53) t-1,3-Dichloropropene	8.988	75	70	2.160	ug/l #	44
56) Ethyl methacrylate	9.384	69	262	0.844	ug/l #	1
59) 2-Hexanone	9.433	43	1200	0.553	ug/l	72
60) Dibromochloromethane	9.281	129	73	1.724	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	57046	28.683	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	57046	84.371	ug/l #	12
95) Naphthalene	13.780	128	552	1.369	ug/l #	78

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

Quant Time: Sep 08 13:27:38 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

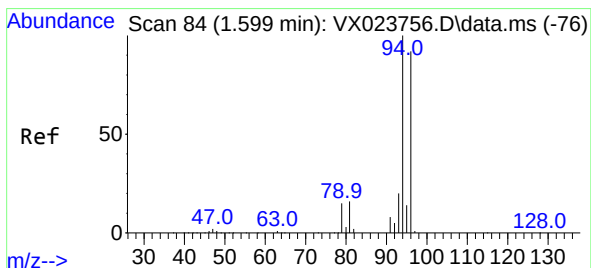
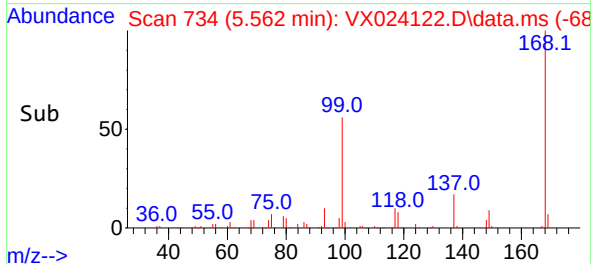
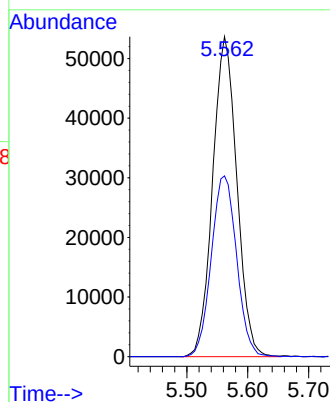
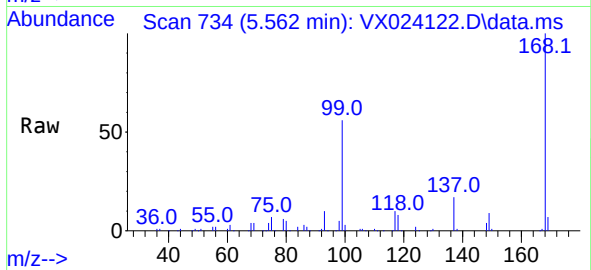




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

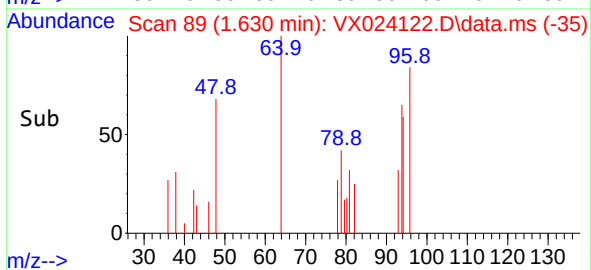
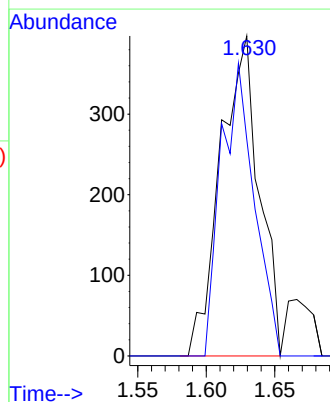
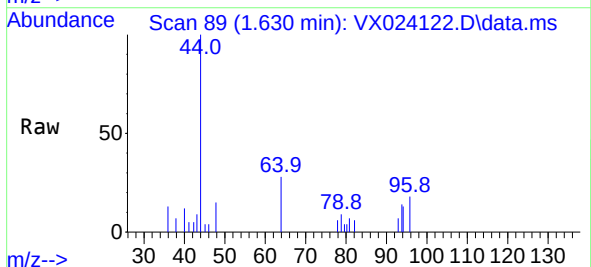
Instrument :
MSVOA_X
ClientSampled :

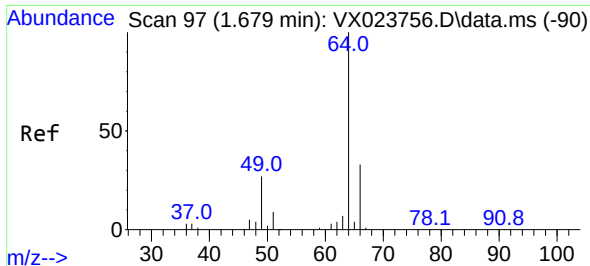
Tgt Ion:168 Resp: 148002
Ion Ratio Lower Upper
168 100
99 56.5 45.8 68.6



#5
Bromomethane
Concen: 0.743 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

Tgt Ion: 94 Resp: 781
Ion Ratio Lower Upper
94 100
96 67.8 76.4 114.6#

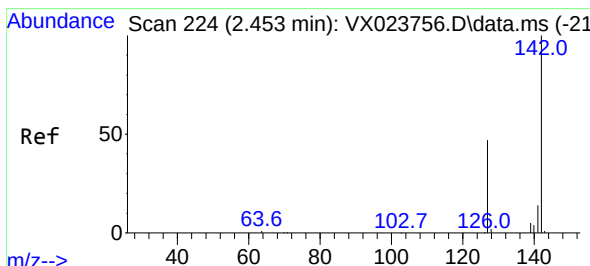
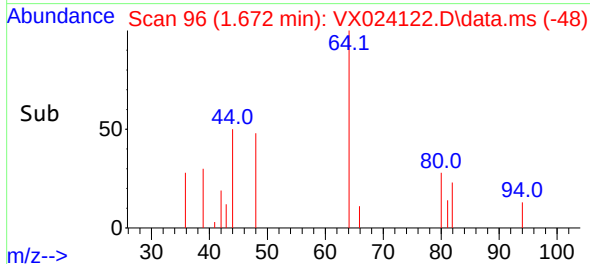
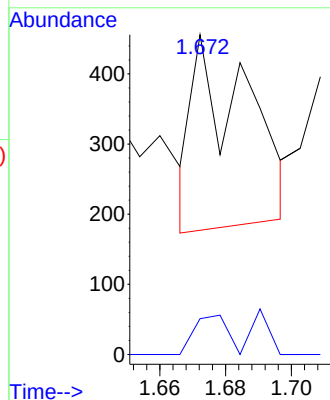
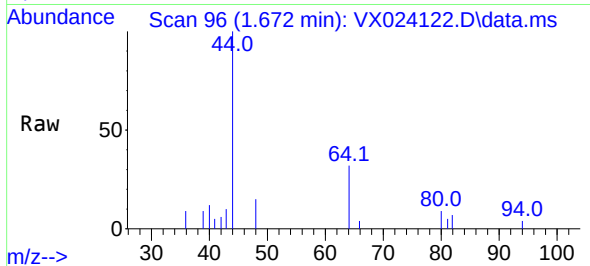




#6
Chloroethane
Concen: 2.435 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

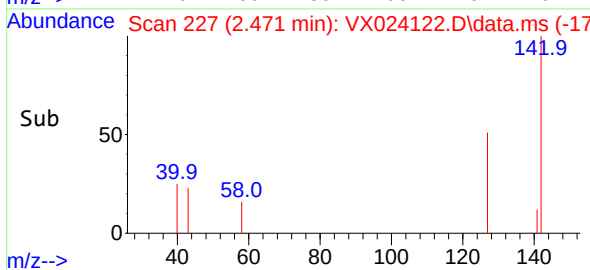
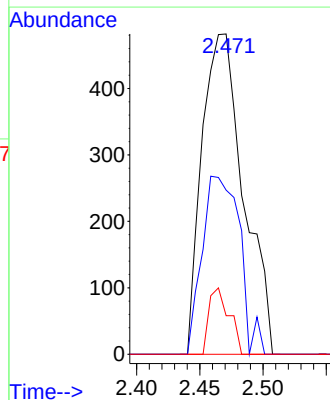
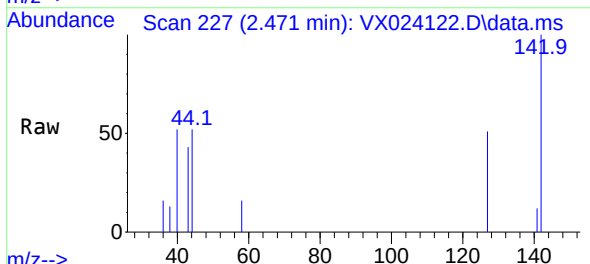
Instrument :
MSVOA_X
ClientSampled :

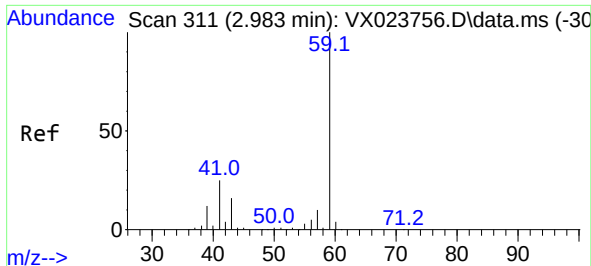
Tgt Ion: 64 Resp: 318
Ion Ratio Lower Upper
64 100
66 27.1 25.4 38.0



#10
Methyl Iodide
Concen: 0.533 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

Tgt Ion:142 Resp: 1103
Ion Ratio Lower Upper
142 100
127 50.1 33.3 49.9#
141 10.1 11.4 17.0#



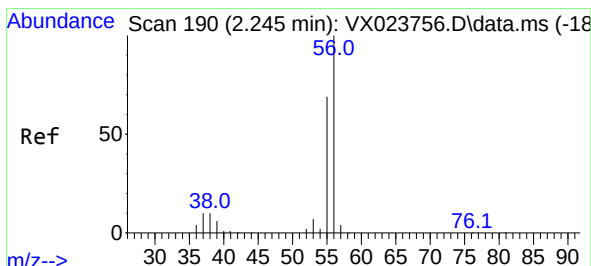
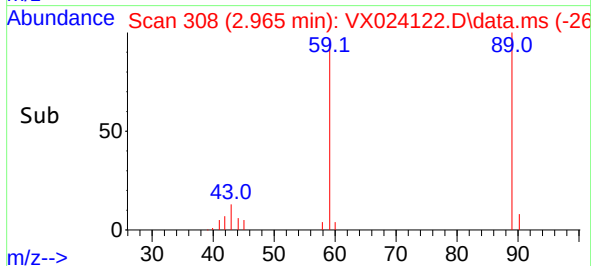
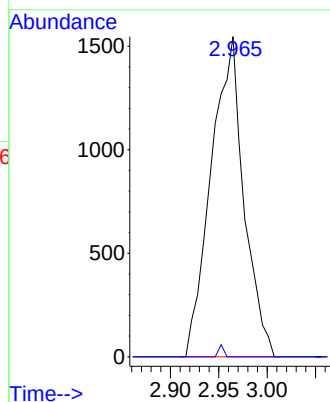
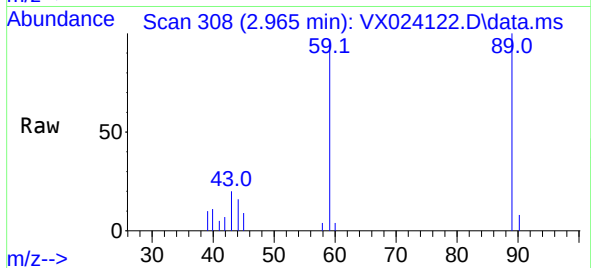


#11

Tert butyl alcohol
Concen: 8.711 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

Instrument :
MSVOA_X
ClientSampled :

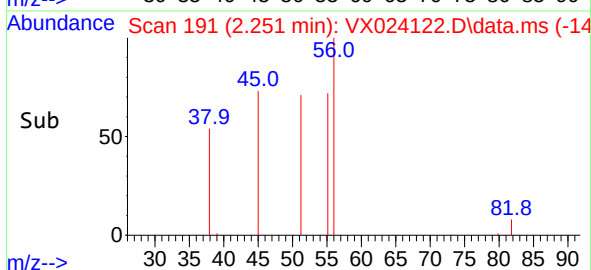
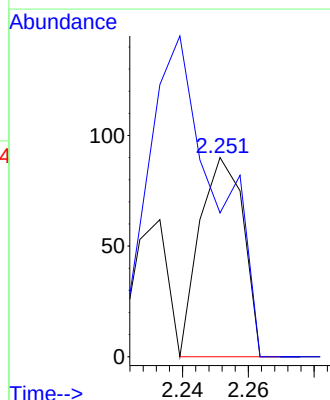
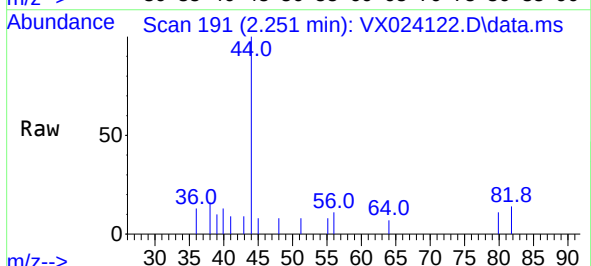
Tgt Ion: 59 Resp: 3639
Ion Ratio Lower Upper
59 100
57 0.6 7.8 11.8#

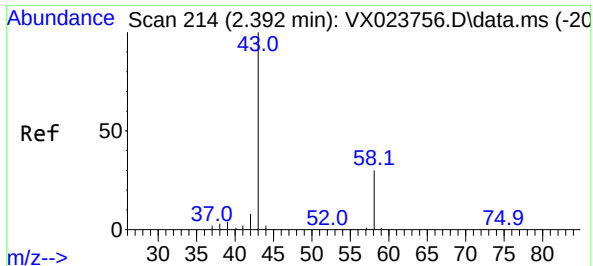


#13

Acrolein
Concen: 0.334 ug/l
RT: 2.251 min Scan# 191
Delta R.T. 0.006 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

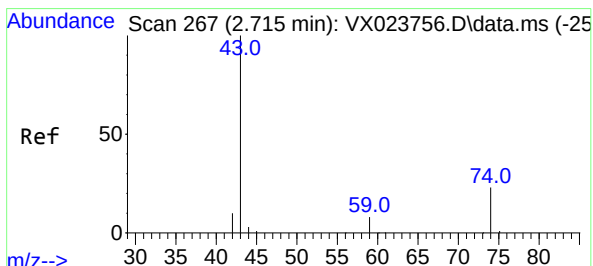
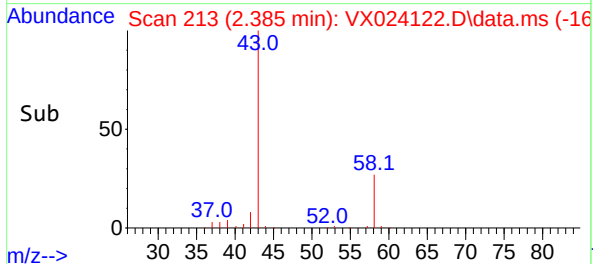
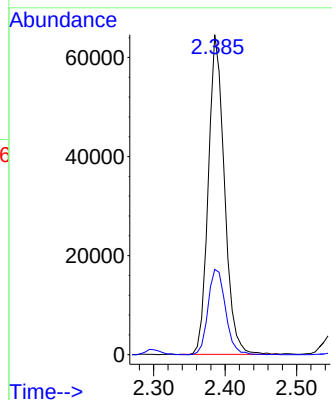
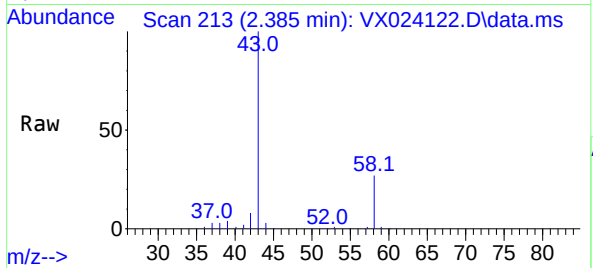




#16
Acetone
Concen: 109.507 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

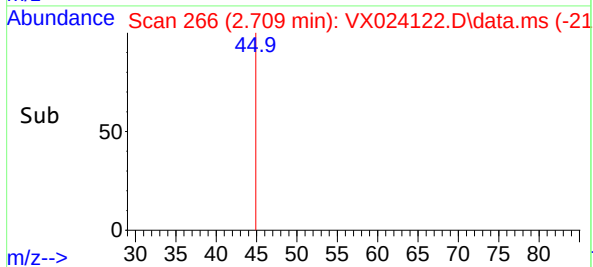
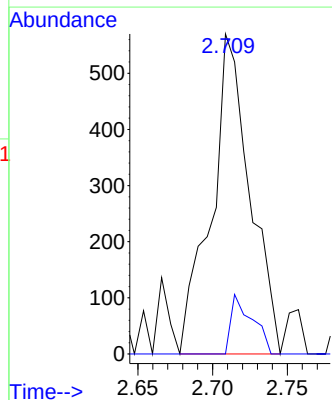
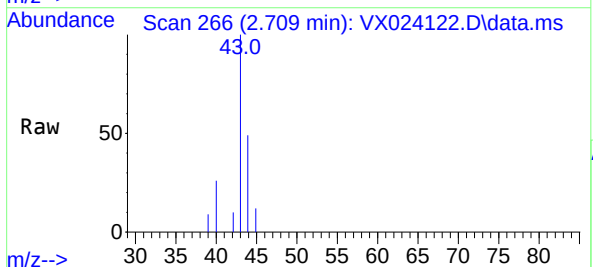
Instrument :
MSVOA_X
ClientSampled :

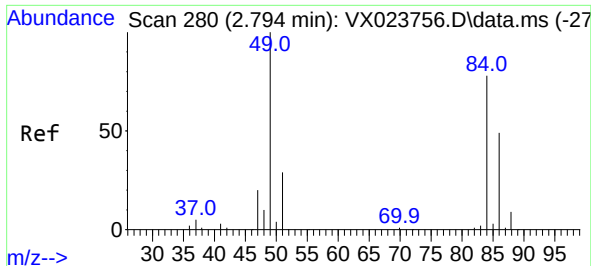
Tgt Ion: 43 Resp: 101141
Ion Ratio Lower Upper
43 100
58 26.7 27.8 41.8#



#18
Methyl Acetate
Concen: 0.444 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

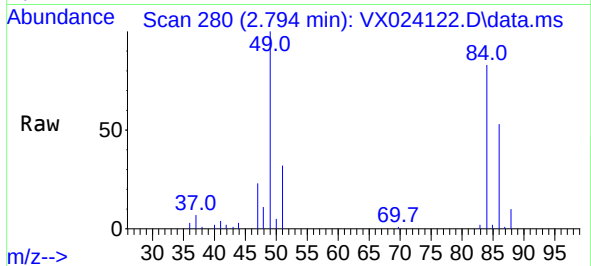
Tgt Ion: 43 Resp: 1024
Ion Ratio Lower Upper
43 100
74 10.3 21.9 32.9#





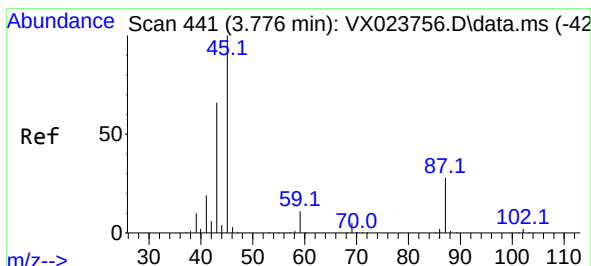
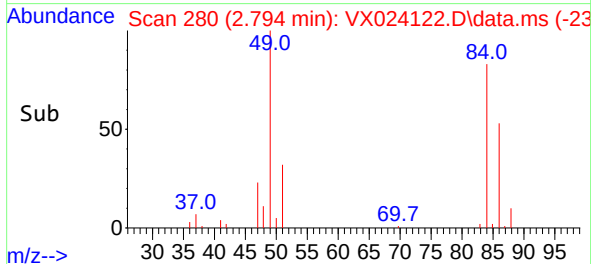
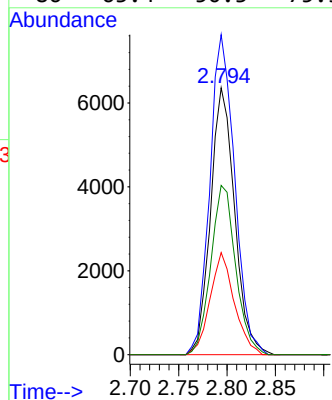
#20
Methylene Chloride
Concen: 6.258 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

Instrument :
MSVOA_X
ClientSampled :

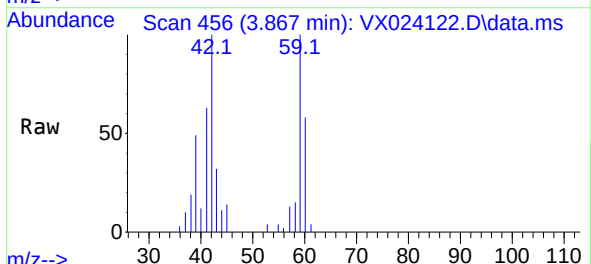


Tgt Ion: 84 Resp: 11041

Ion	Ratio	Lower	Upper
84	100		
49	119.9	88.6	132.8
51	38.2	27.0	40.6
86	63.4	50.3	75.5

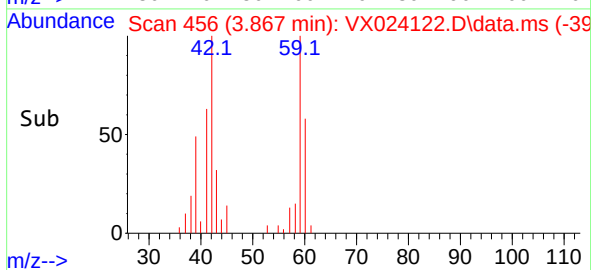
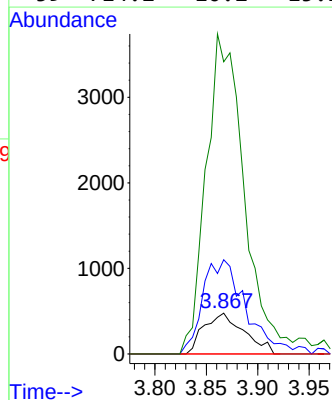


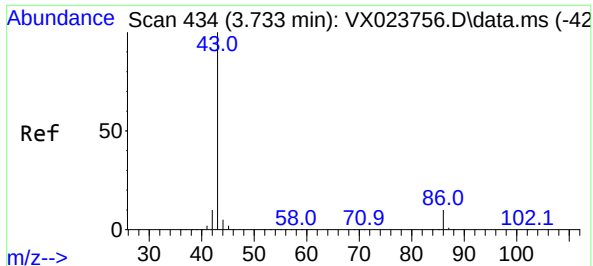
#22
Diisopropyl ether
Concen: 0.249 ug/l
RT: 3.867 min Scan# 456
Delta R.T. 0.091 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52



Tgt Ion: 45 Resp: 1296

Ion	Ratio	Lower	Upper
45	100		
43	230.5	58.0	87.0#
87	0.0	25.4	38.0#
59	714.2	10.2	15.2#

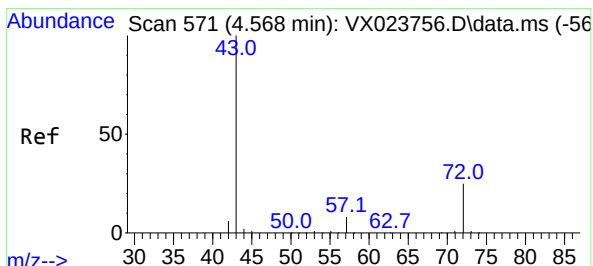
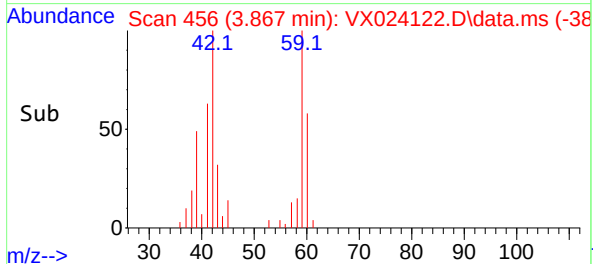
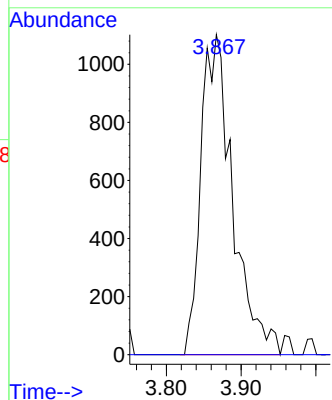
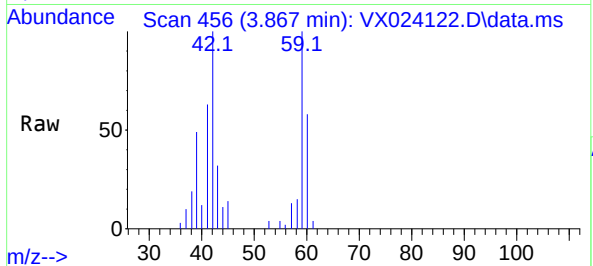




#23
 Vinyl Acetate
 Concen: 0.769 ug/l
 RT: 3.867 min Scan# 456
 Delta R.T. 0.134 min
 Lab File: VX024122.D
 Acq: 07 Sep 2021 16:52

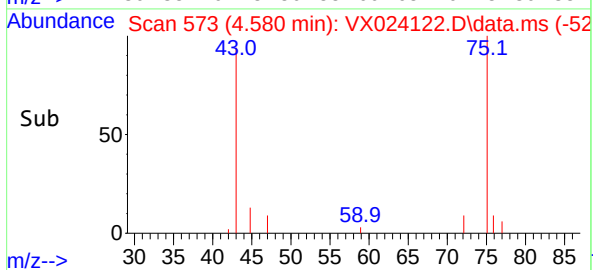
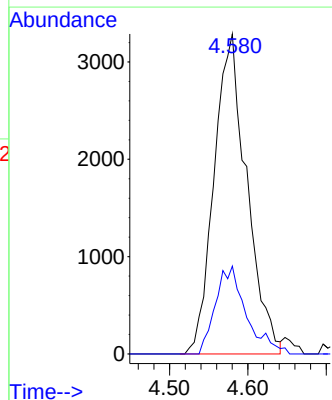
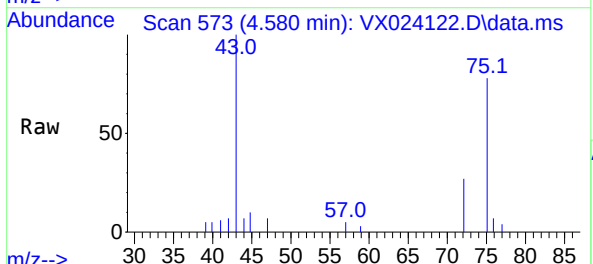
Instrument :
 MSVOA_X
 ClientSampled :

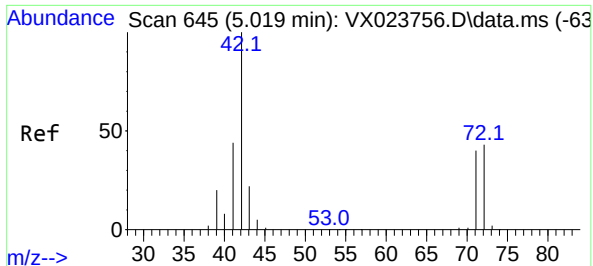
Tgt Ion: 43 Resp: 3244
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#25
 2-Butanone
 Concen: 6.811 ug/l
 RT: 4.580 min Scan# 573
 Delta R.T. 0.012 min
 Lab File: VX024122.D
 Acq: 07 Sep 2021 16:52

Tgt Ion: 43 Resp: 9528
 Ion Ratio Lower Upper
 43 100
 72 27.4 23.7 35.5





#29

Tetrahydrofuran

Concen: 1.563 ug/l

RT: 5.031 min Scan# 647

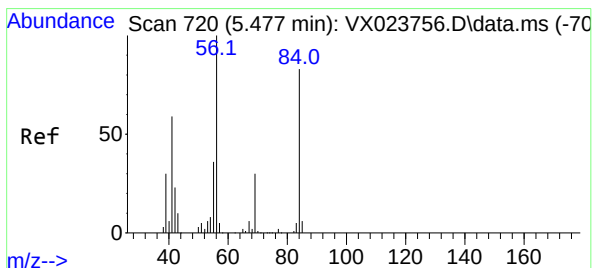
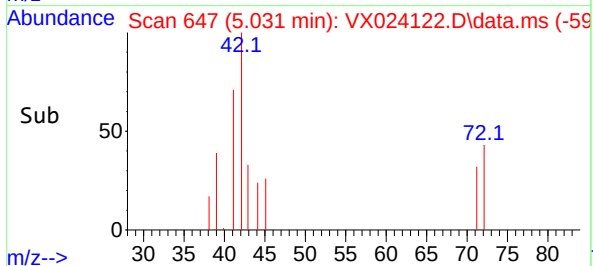
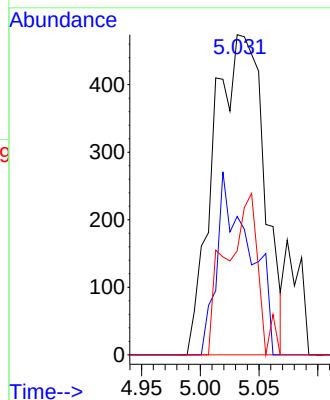
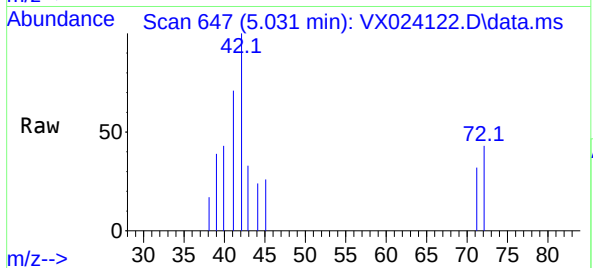
Delta R.T. 0.012 min

Lab File: VX024122.D

Acq: 07 Sep 2021 16:52

Tgt Ion:	42	Resp:	1416
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	31.9	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.201 ug/l

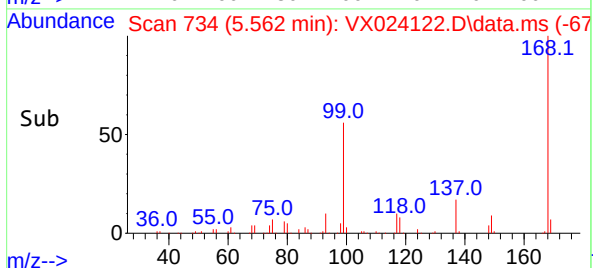
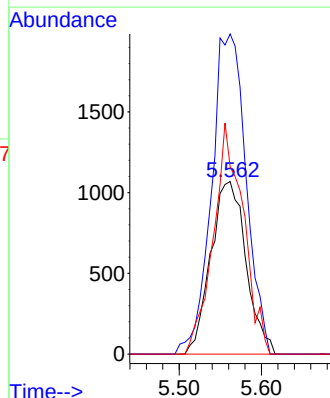
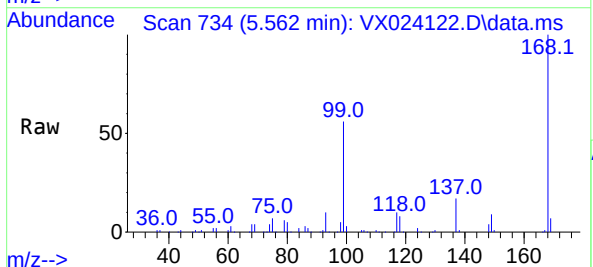
RT: 5.562 min Scan# 734

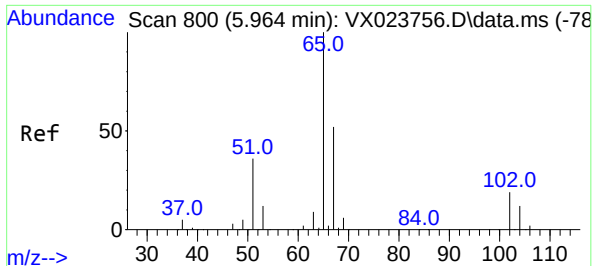
Delta R.T. 0.085 min

Lab File: VX024122.D

Acq: 07 Sep 2021 16:52

Tgt Ion:	56	Resp:	3186
Ion	Ratio	Lower	Upper
56	100		
69	185.5	25.3	37.9#
84	108.6	71.4	107.0#



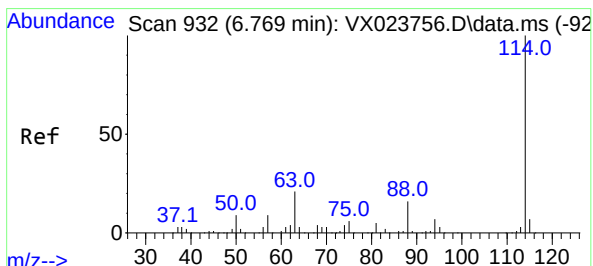
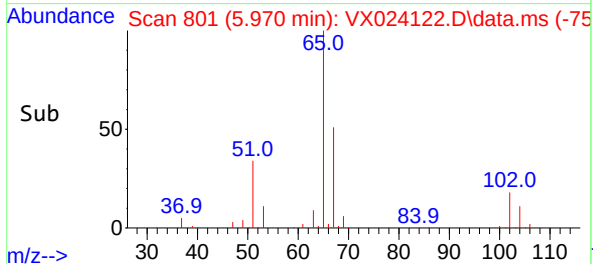
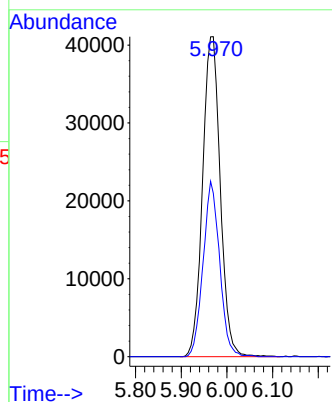
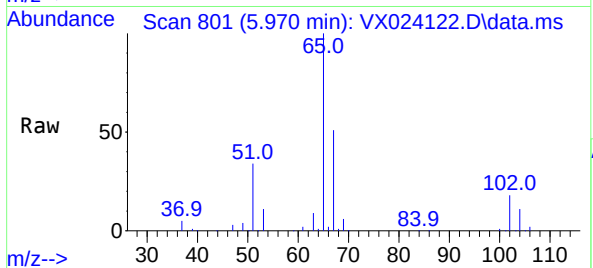


#33

1,2-Dichloroethane-d4
Concen: 53.398 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

Instrument :
MSVOA_X
ClientSampled :

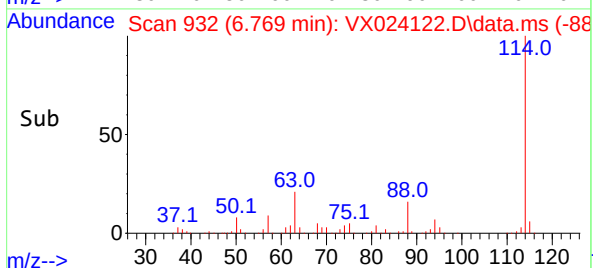
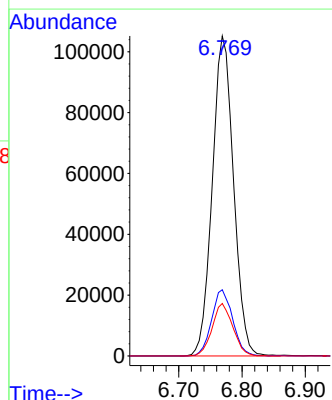
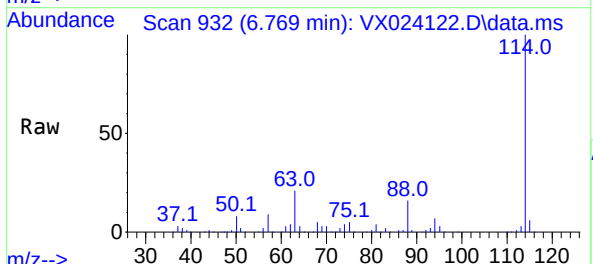
Tgt Ion: 65 Resp: 110300
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.4

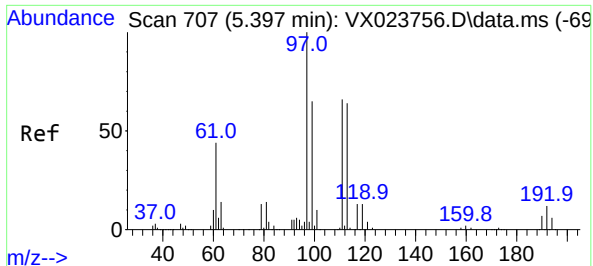


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

Tgt Ion:114 Resp: 245192
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 16.4 0.0 32.8



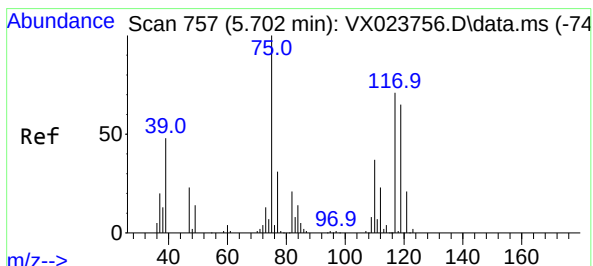
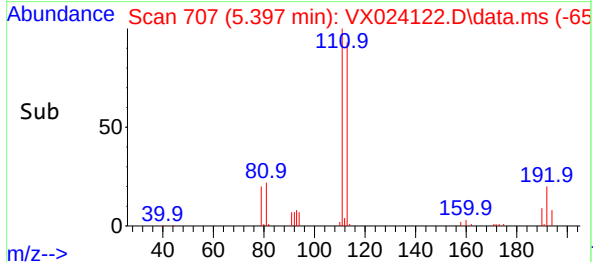
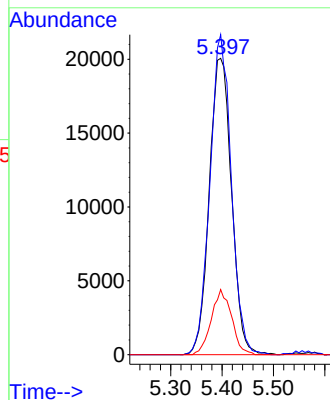
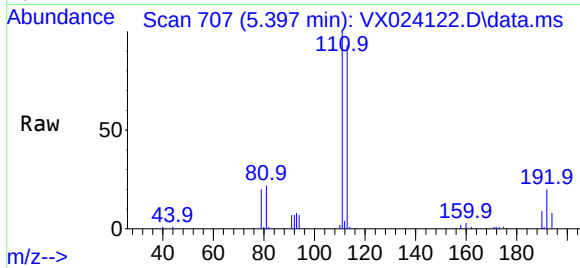


#35
Dibromofluoromethane
Concen: 37.141 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:113 Resp: 60275

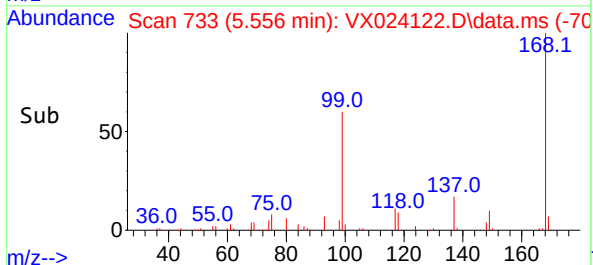
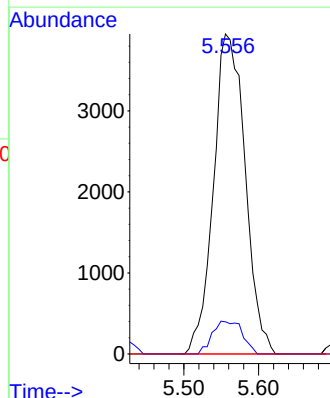
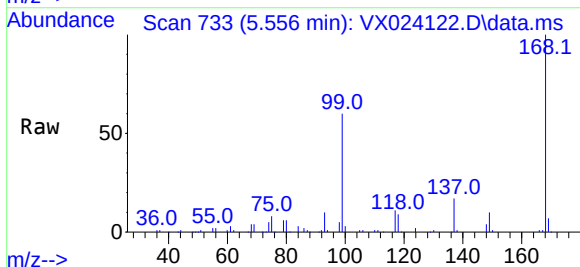
Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.9	122.9
192	20.0	16.7	25.1

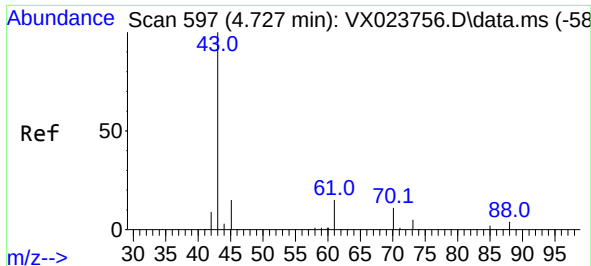


#36
1,1-Dichloropropene
Concen: 5.117 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

Tgt Ion: 75 Resp: 11618

Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.4#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 3.414 ug/l

RT: 4.580 min Scan# 573

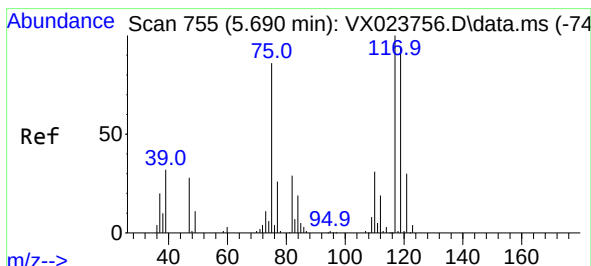
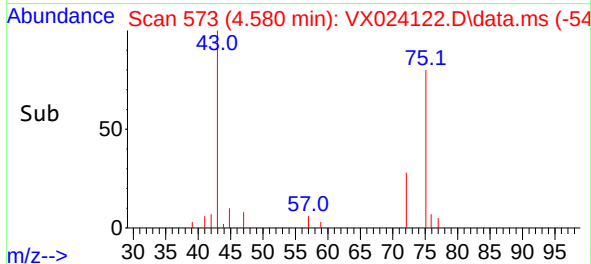
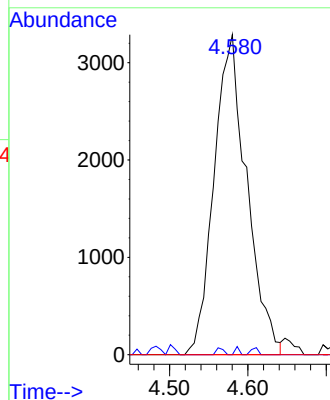
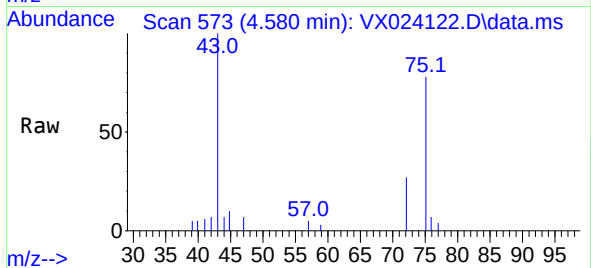
Delta R.T. -0.147 min

Lab File: VX024122.D

Acq: 07 Sep 2021 16:52

Tgt Ion:	43	Resp:	9528
Ion	Ratio	Lower	Upper
43	100		
61	0.3	12.8	19.2#
70	0.0	10.5	15.7#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.430 ug/l

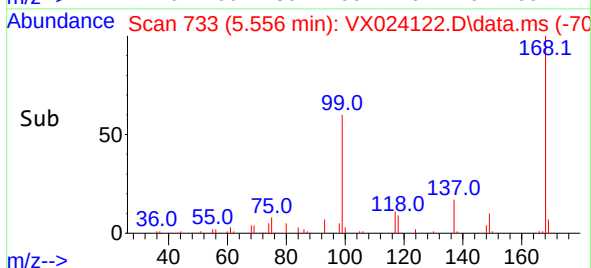
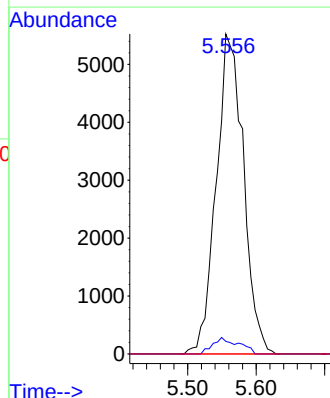
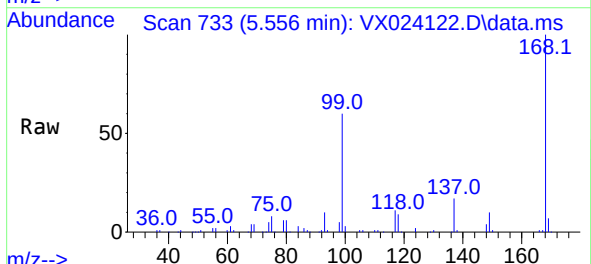
RT: 5.556 min Scan# 733

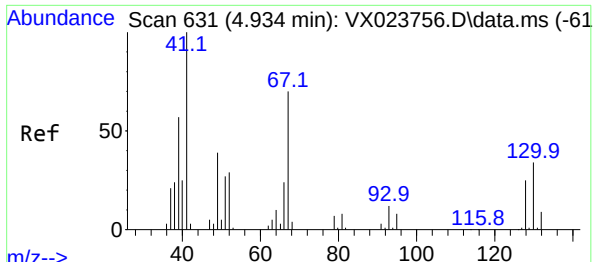
Delta R.T. -0.134 min

Lab File: VX024122.D

Acq: 07 Sep 2021 16:52

Tgt Ion:	117	Resp:	15224
Ion	Ratio	Lower	Upper
117	100		
119	3.9	76.2	114.2#
121	0.0	24.8	37.2#



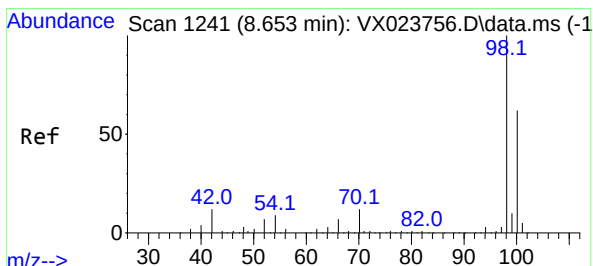
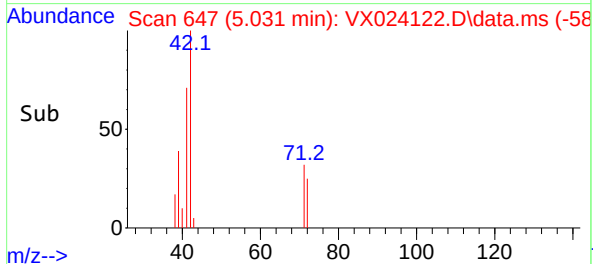
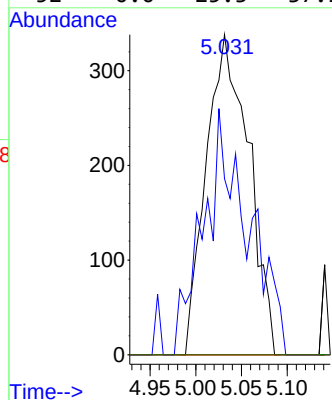
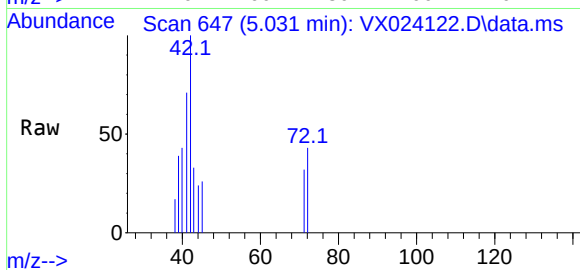


#41
Methacrylonitrile
Concen: 0.720 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.097 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 41 Resp: 1089

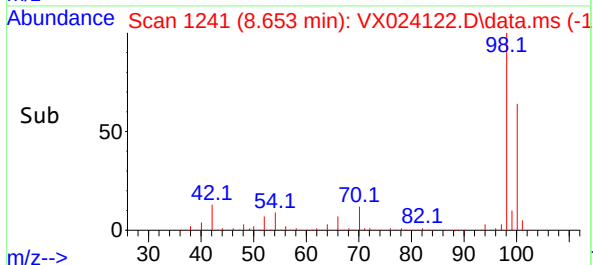
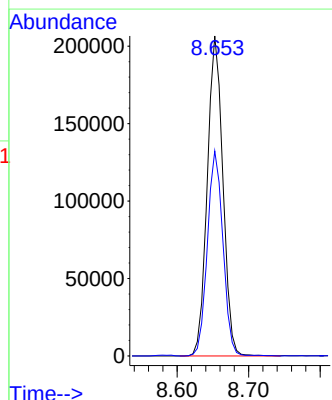
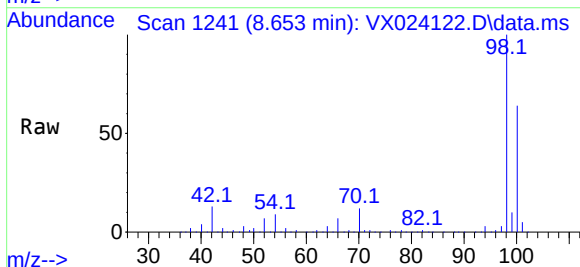
Ion	Ratio	Lower	Upper
41	100		
39	61.0	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#

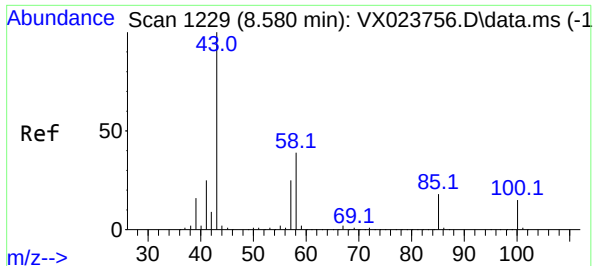


#50
Toluene-d8
Concen: 50.726 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

Tgt Ion: 98 Resp: 313320

Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.9	77.9

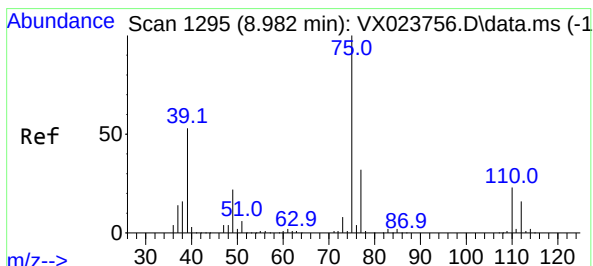
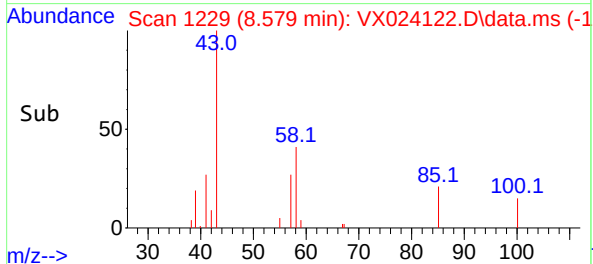
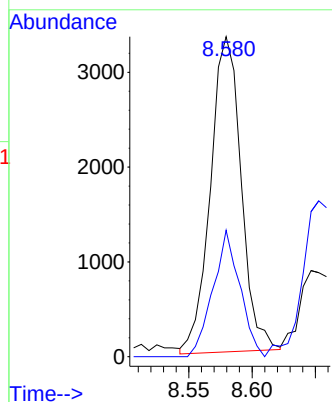
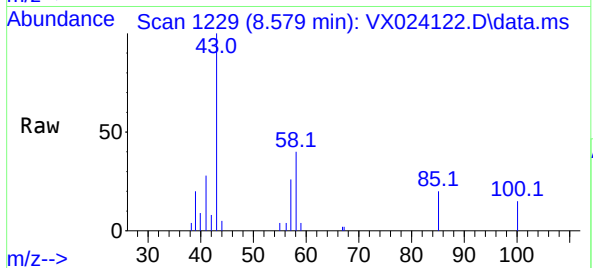




#51
4-Methyl-2-Pentanone
Concen: 1.993 ug/l
RT: 8.579 min Scan# 1229
Delta R.T. -0.001 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

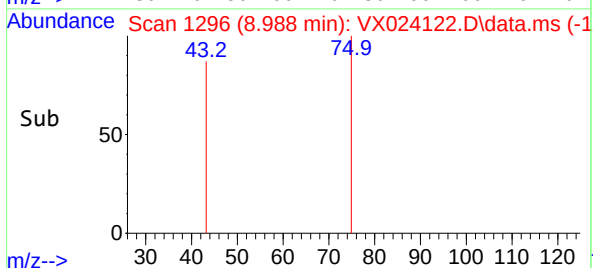
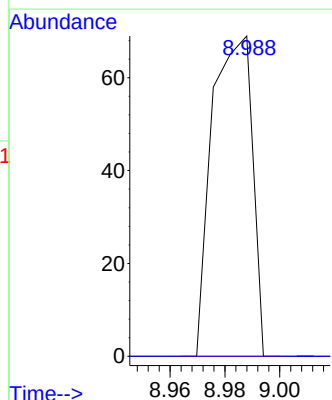
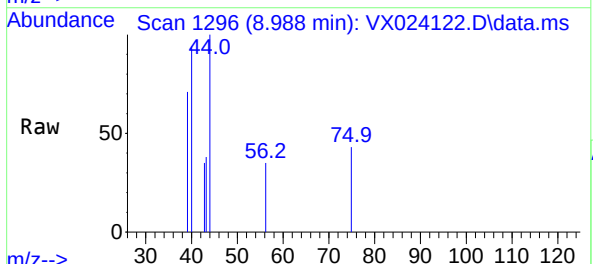
Instrument :
MSVOA_X
ClientSampled :

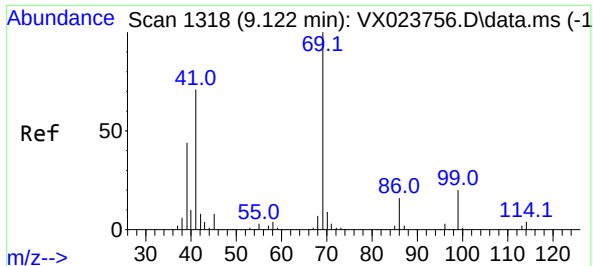
Tgt Ion: 43 Resp: 5626
Ion Ratio Lower Upper
43 100
58 35.0 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 2.160 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

Tgt Ion: 75 Resp: 70
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

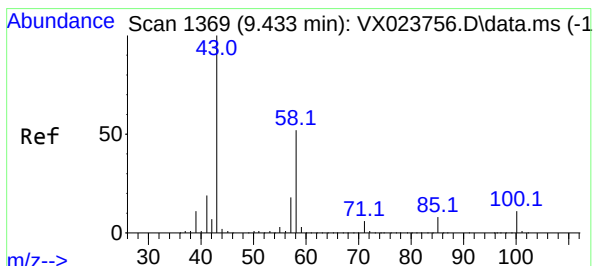
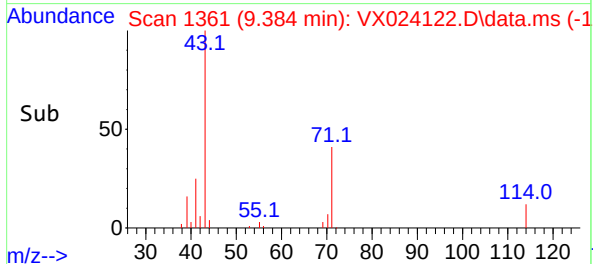
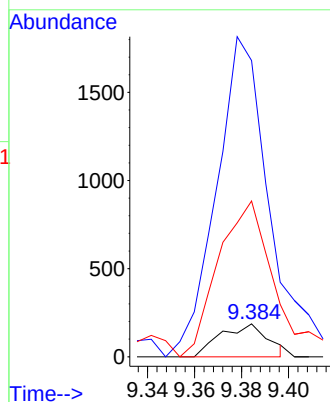
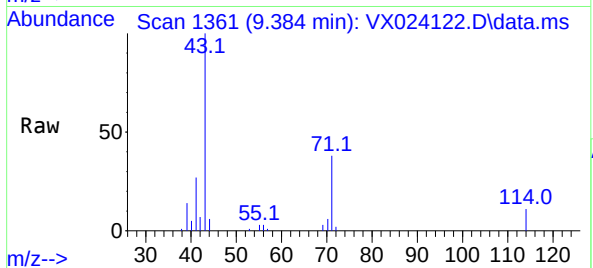




#56
Ethyl methacrylate
Concen: 0.844 ug/l
RT: 9.384 min Scan# 1361
Delta R.T. 0.262 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

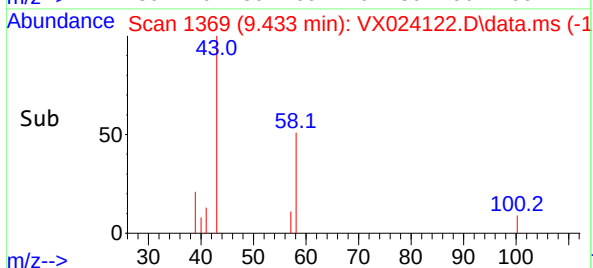
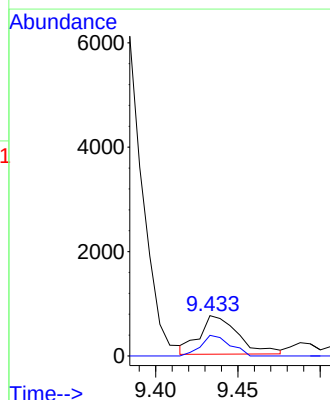
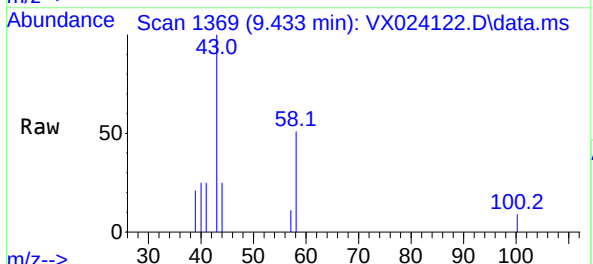
Instrument :
MSVOA_X
ClientSampleId :

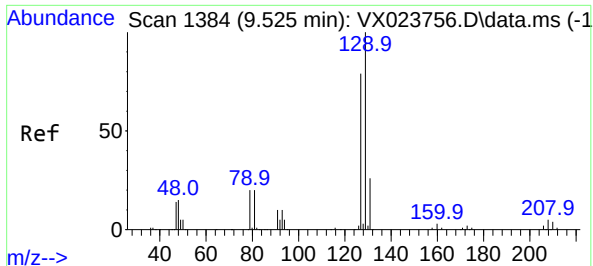
Tgt Ion: 69 Resp: 262
Ion Ratio Lower Upper
69 100
41 991.6 46.8 70.2#
39 505.0 24.7 37.1#



#59
2-Hexanone
Concen: 0.553 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

Tgt Ion: 43 Resp: 1200
Ion Ratio Lower Upper
43 100
58 40.5 30.9 92.8

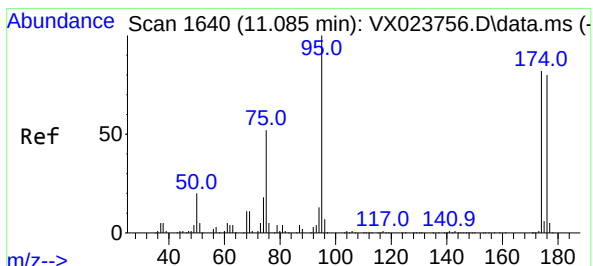
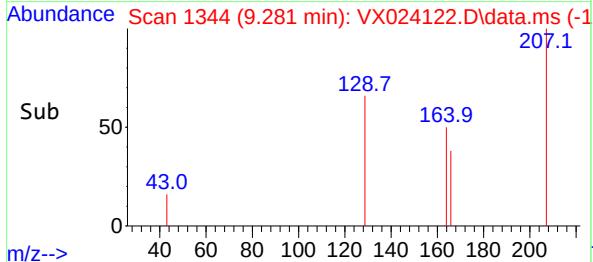
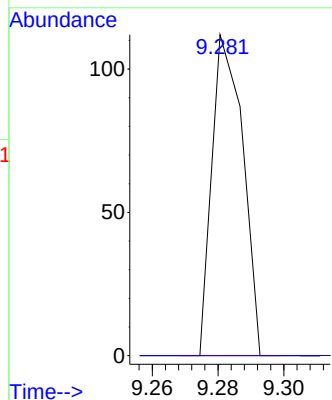
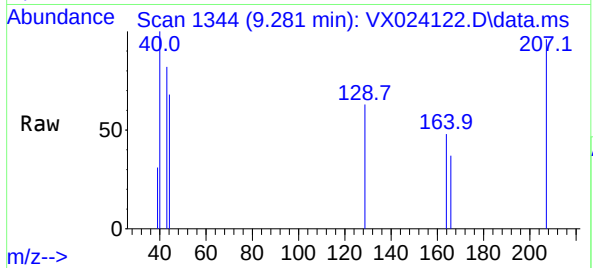




#60
Dibromochloromethane
Concen: 1.724 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

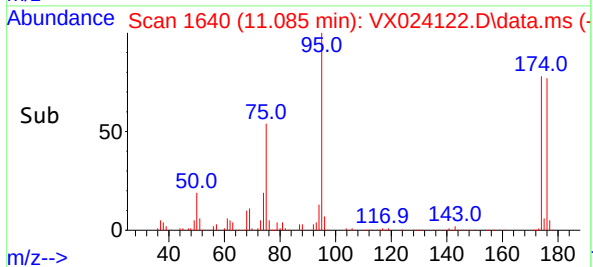
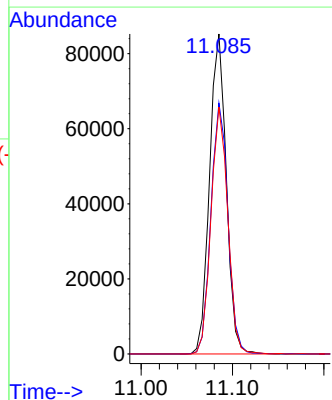
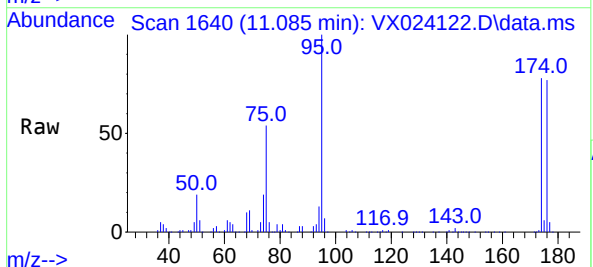
Instrument :
MSVOA_X
ClientSampled :

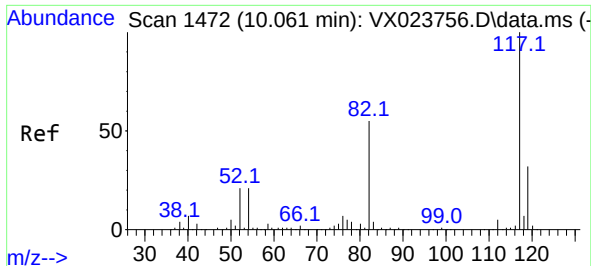
Tgt Ion:129 Resp: 73
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 47.524 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

Tgt Ion: 95 Resp: 108061
Ion Ratio Lower Upper
95 100
174 79.8 0.0 154.6
176 77.6 0.0 155.8

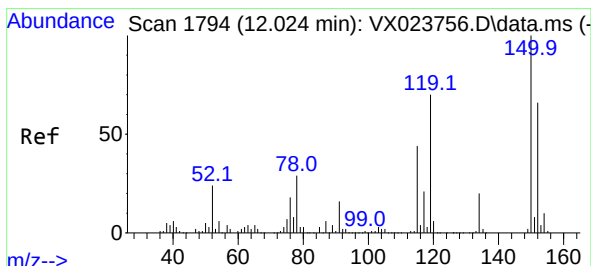
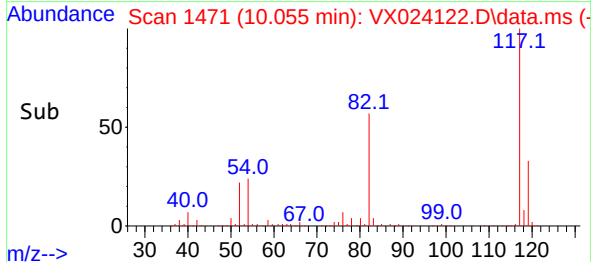
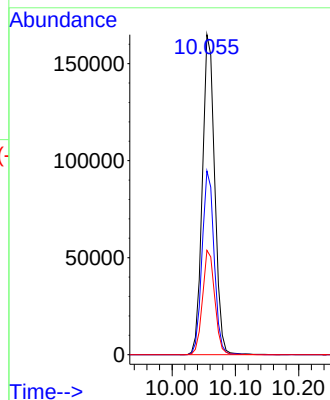
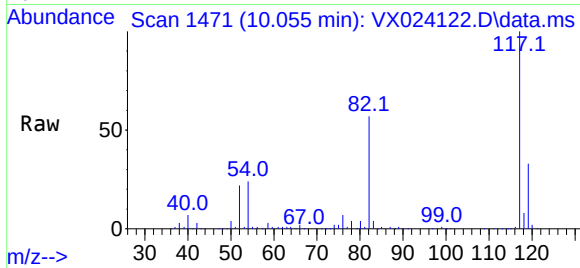




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

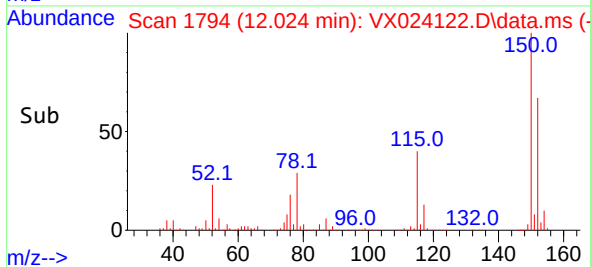
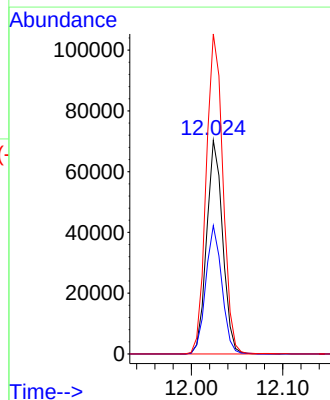
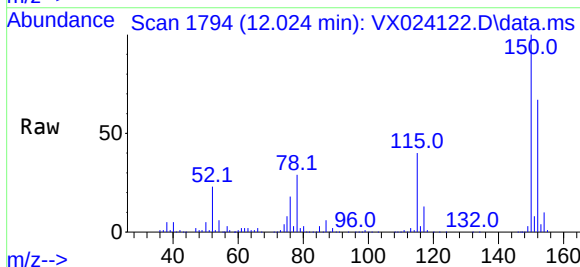
Instrument :
MSVOA_X
ClientSampled :

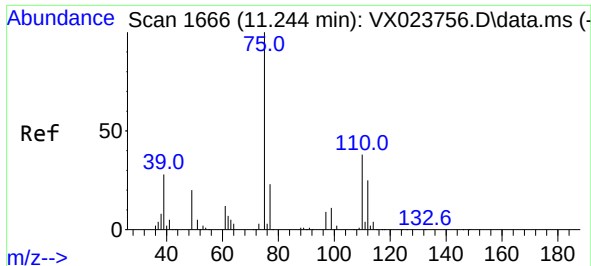
Tgt Ion:117 Resp: 224449
Ion Ratio Lower Upper
117 100
82 57.4 47.4 71.2
119 32.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

Tgt Ion:152 Resp: 85259
Ion Ratio Lower Upper
152 100
115 60.5 41.1 123.3
150 156.5 0.0 349.0

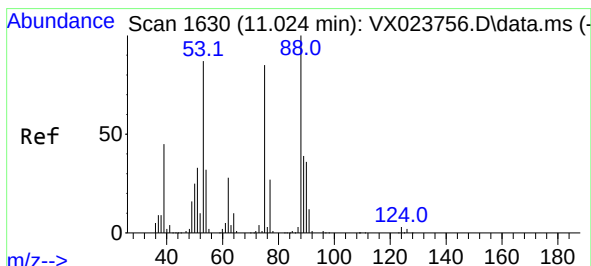
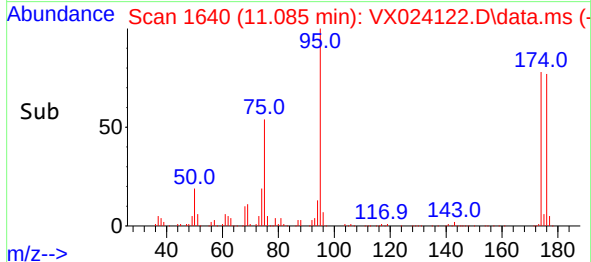
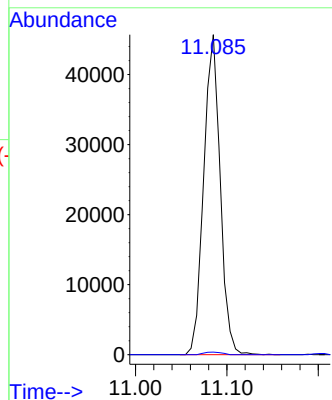
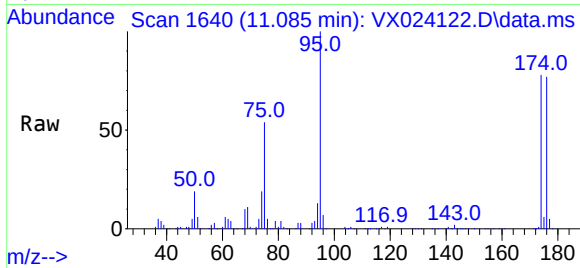




#76
1,2,3-Trichloropropane
Concen: 28.683 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

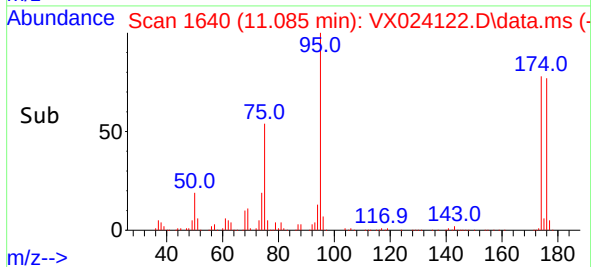
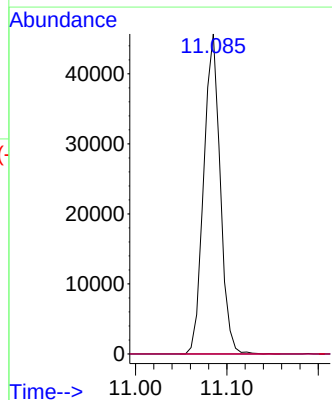
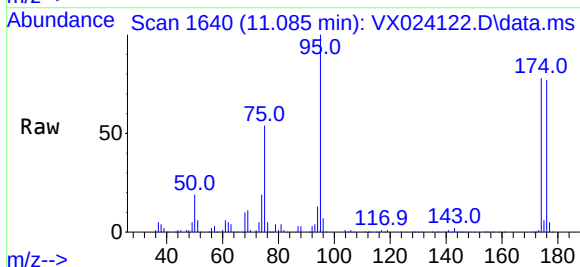
Instrument :
MSVOA_X
ClientSampled :

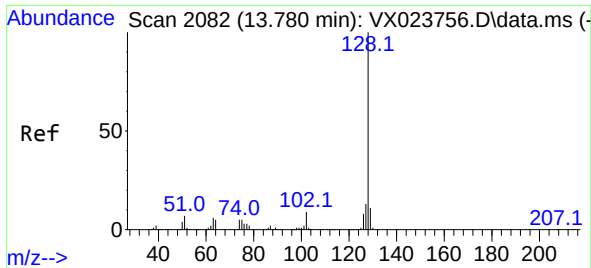
Tgt Ion: 75 Resp: 57046
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.371 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

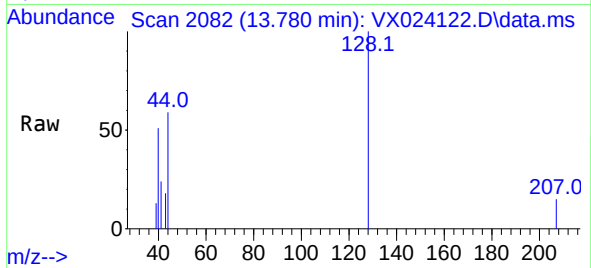
Tgt Ion: 75 Resp: 57046
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.369 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024122.D
Acq: 07 Sep 2021 16:52

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 552
Ion Ratio Lower Upper
128 100
127 3.4 10.3 15.5#
129 3.4 8.8 13.2#

