

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024736.D
 Acq On : 12 Oct 2021 02:13
 Operator : JC/MD
 Sample : M4147-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 08:08:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

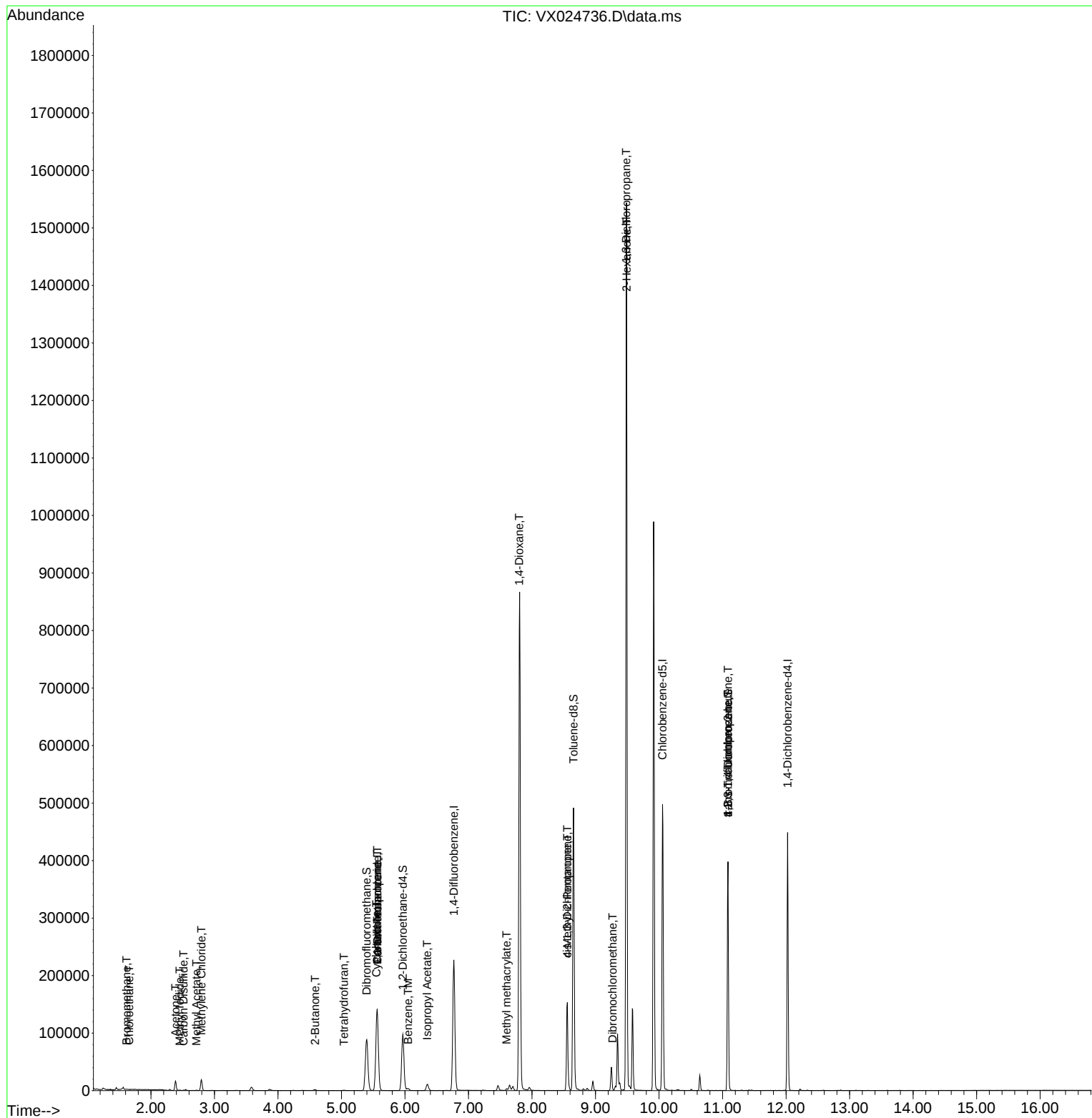
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	130391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	225197	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	97790	53.213	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.420%	
35) Dibromofluoromethane	5.397	113	75409	50.406	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.820%	
50) Toluene-d8	8.653	98	284642	51.695	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.380%	
62) 4-Bromofluorobenzene	11.085	95	100160	46.264	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.520%	
Target Compounds						Qvalue
5) Bromomethane	1.617	94	352	0.404	ug/l	81
6) Chloroethane	1.654	64	128	0.406	ug/l #	43
10) Methyl Iodide	2.453	142	721	0.400	ug/l #	82
11) Tert butyl alcohol	2.977	59	463	Below Cal	#	73
16) Acetone	2.386	43	17207	12.560	ug/l	90
17) Carbon Disulfide	2.514	76	868	0.508	ug/l #	93
18) Methyl Acetate	2.715	43	821	0.298	ug/l #	84
20) Methylene Chloride	2.794	84	7685	4.549	ug/l #	82
25) 2-Butanone	4.586	43	2691	2.126	ug/l	96
29) Tetrahydrofuran	5.038	42	544	0.675	ug/l #	60
31) Cyclohexane	5.550	56	2924	1.329	ug/l #	10
36) 1,1-Dichloropropene	5.562	75	10372	4.804	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13185	5.611	ug/l #	17
40) Benzene	6.050	78	4033	0.653	ug/l	93
43) Isopropyl Acetate	6.348	43	14862	3.627	ug/l	93
48) Methyl methacrylate	7.598	41	4812	2.372	ug/l #	10
49) 1,4-Dioxane	7.799	88	49	1.054	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	55298	20.441	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	23202	9.198	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	12317	4.427	ug/l #	42
59) 2-Hexanone	9.488	43	183583	86.173	ug/l #	43
60) Dibromochloromethane	9.269	129	68	1.223	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	54582	27.600	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	54582	75.063	ug/l #	12

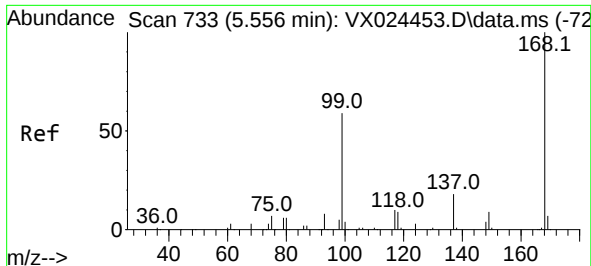
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

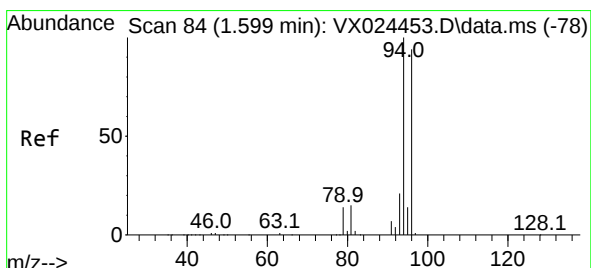
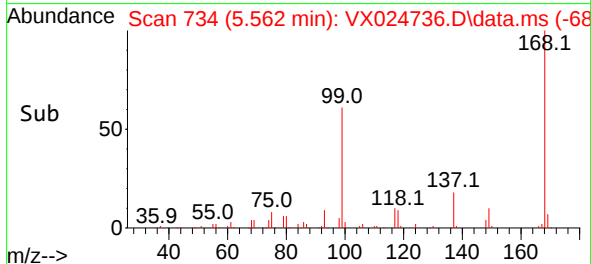
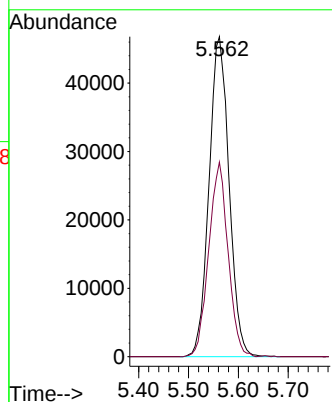
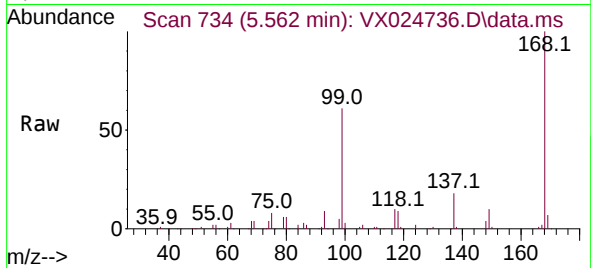




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

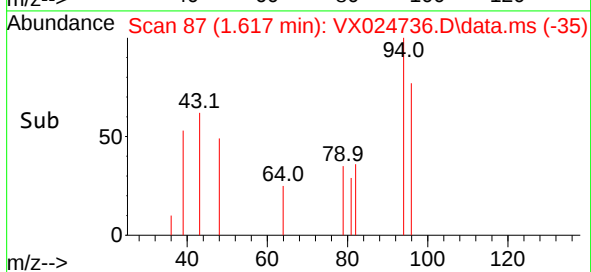
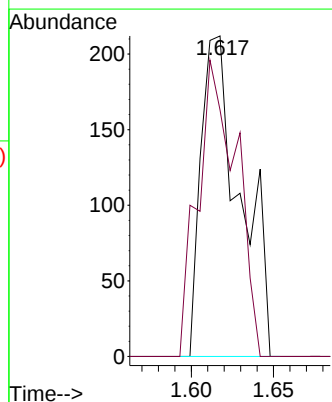
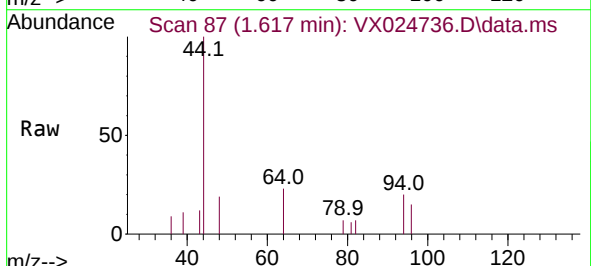
Instrument :
MSVOA_X
ClientSampled :

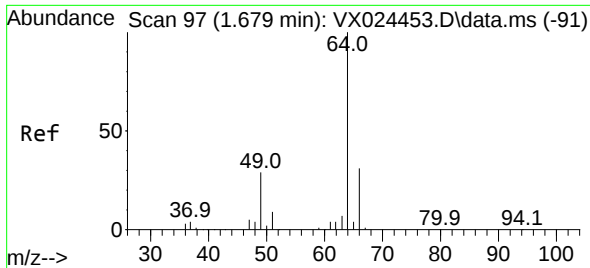
Tgt Ion:168 Resp: 130391
Ion Ratio Lower Upper
168 100
99 60.8 45.8 68.6



#5
Bromomethane
Concen: 0.404 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

Tgt Ion: 94 Resp: 352
Ion Ratio Lower Upper
94 100
96 76.9 76.4 114.6

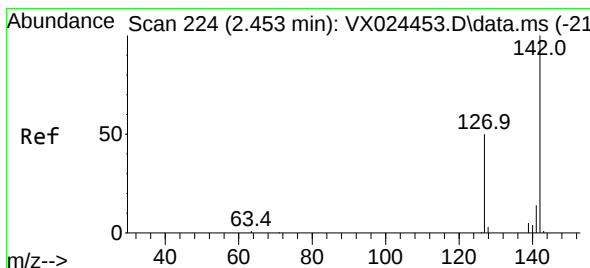
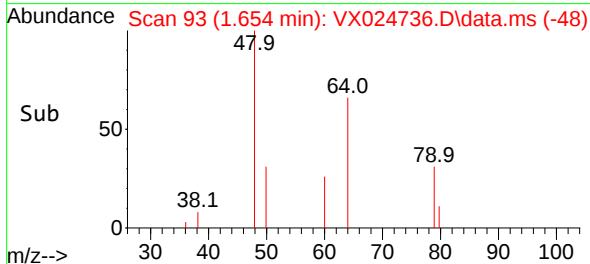
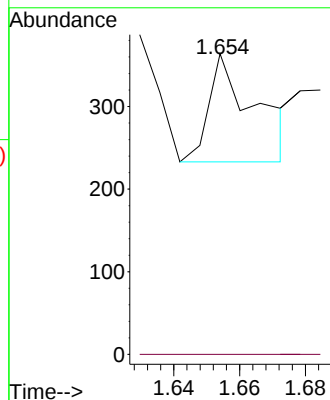
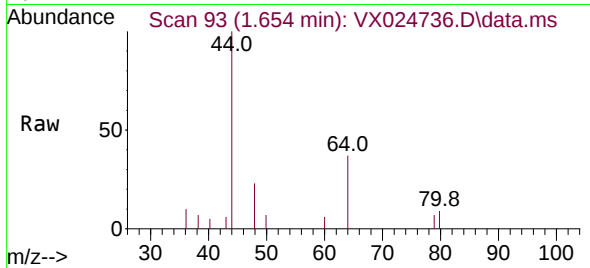




#6
Chloroethane
Concen: 0.406 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.025 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

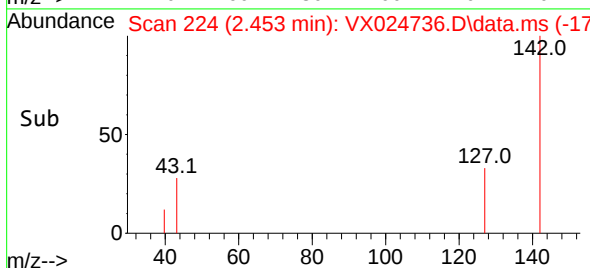
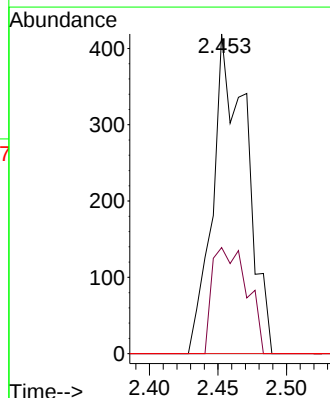
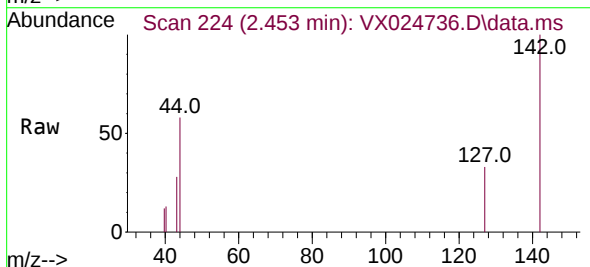
Instrument :
MSVOA_X
ClientSampled :

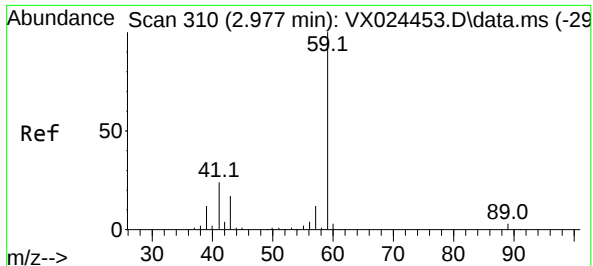
Tgt Ion: 64 Resp: 128
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.400 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

Tgt Ion: 142 Resp: 721
Ion Ratio Lower Upper
142 100
127 34.1 33.3 49.9
141 0.0 11.4 17.0#

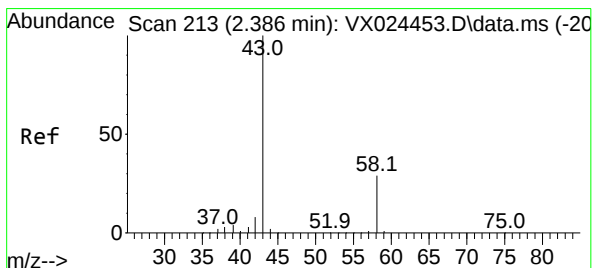
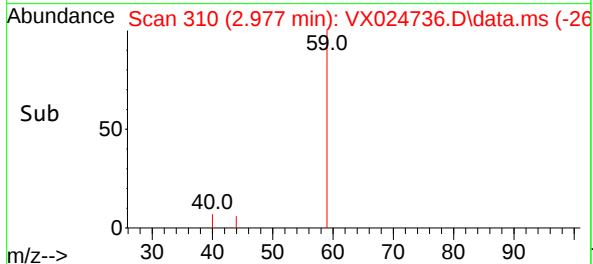
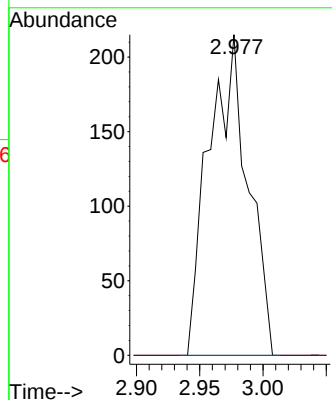
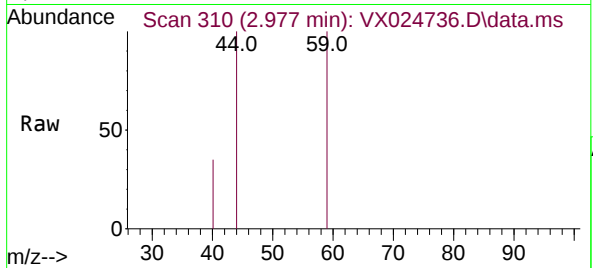




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

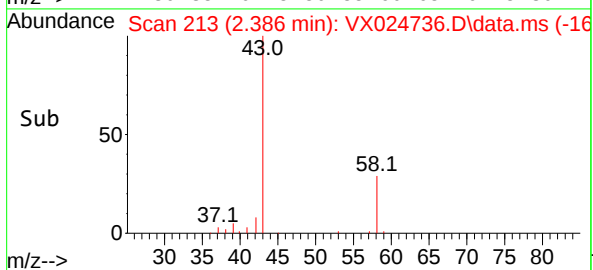
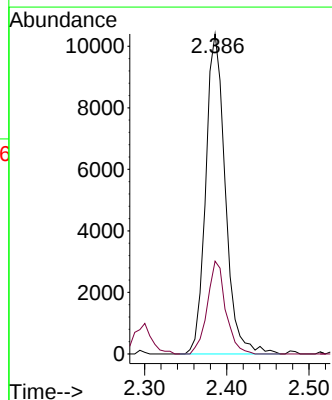
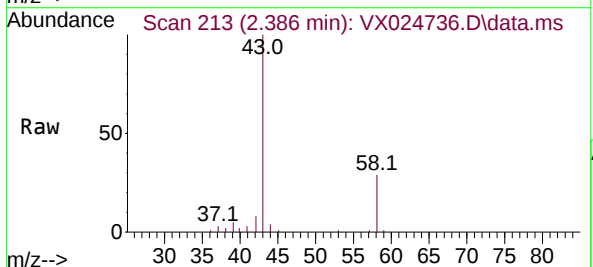
Instrument :
MSVOA_X
ClientSampled :

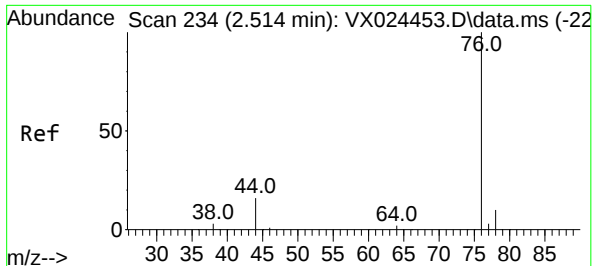
Tgt Ion: 59 Resp: 463
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 12.560 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

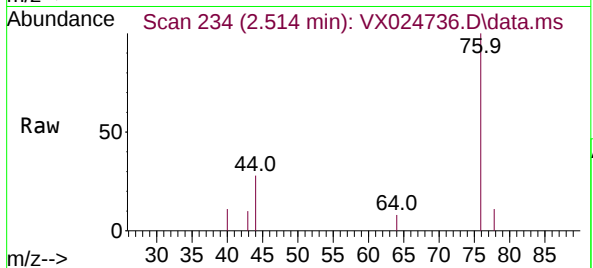
Tgt Ion: 43 Resp: 17207
Ion Ratio Lower Upper
43 100
58 29.0 27.8 41.8



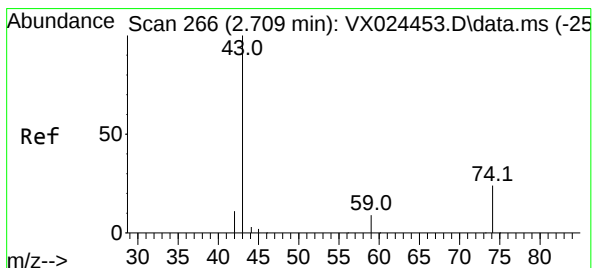
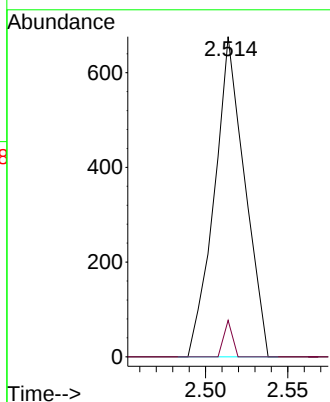
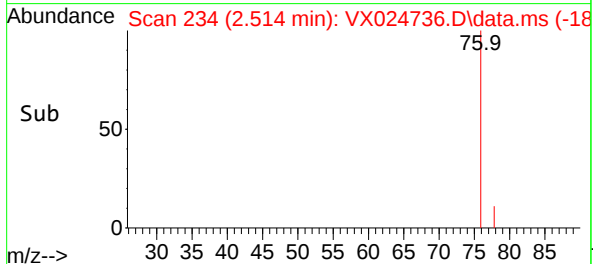


#17
Carbon Disulfide
Concen: 0.508 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

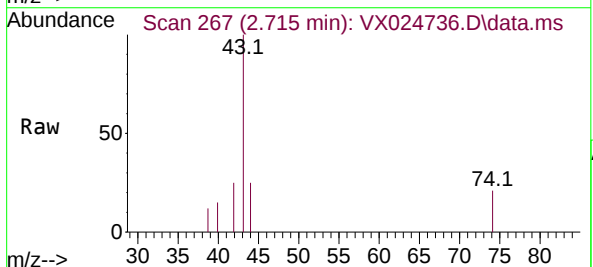
Instrument :
MSVOA_X
ClientSampled :



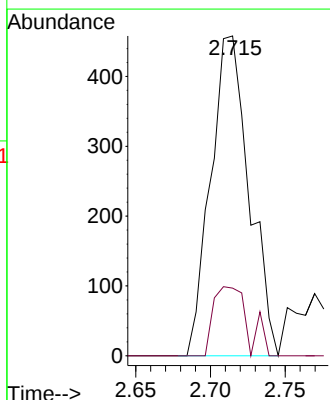
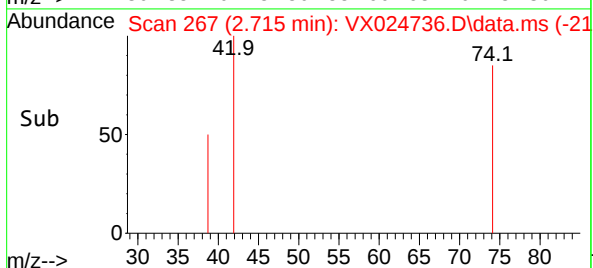
Tgt Ion: 76 Resp: 868
Ion Ratio Lower Upper
76 100
78 11.4 7.2 10.8#

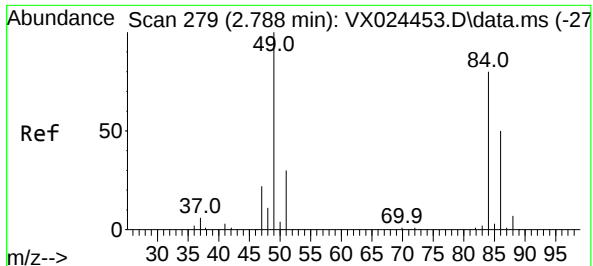


#18
Methyl Acetate
Concen: 0.298 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13



Tgt Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
74 19.2 21.9 32.9#





#20

Methylene Chloride

Concen: 4.549 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX024736.D

Acq: 12 Oct 2021 02:13

Tgt Ion: 84 Resp: 7685

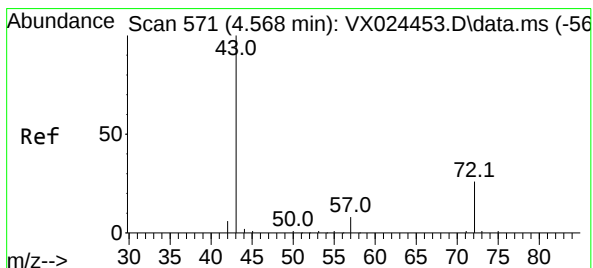
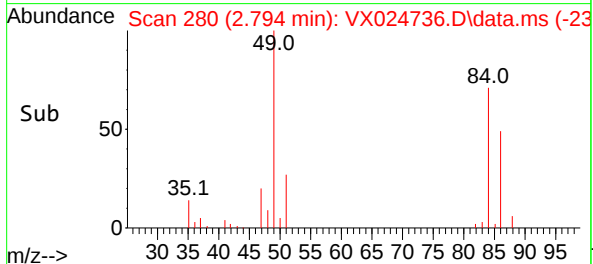
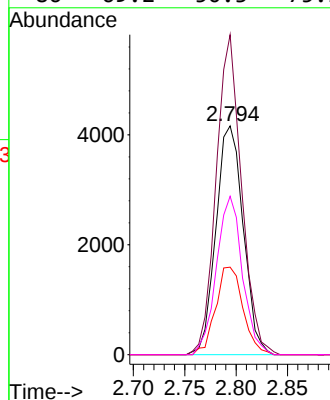
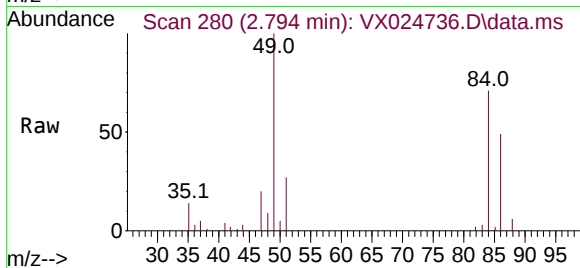
Ion Ratio Lower Upper

84 100

49 139.9 88.6 132.8#

51 38.3 27.0 40.6

86 69.2 50.3 75.5



#25

2-Butanone

Concen: 2.126 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.018 min

Lab File: VX024736.D

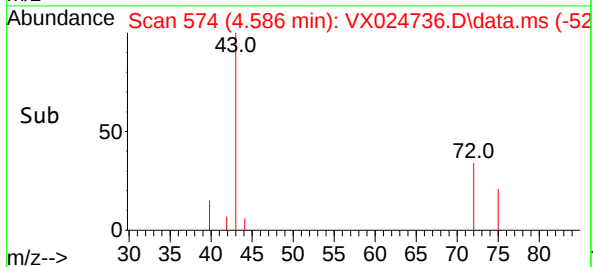
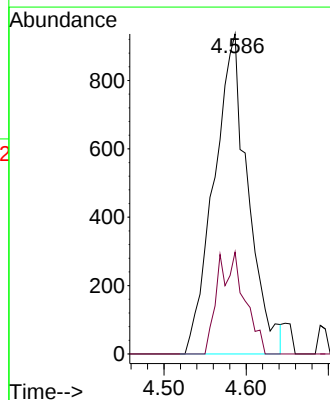
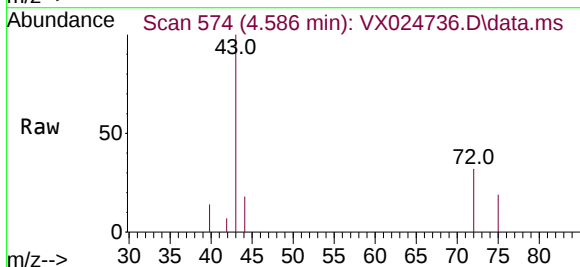
Acq: 12 Oct 2021 02:13

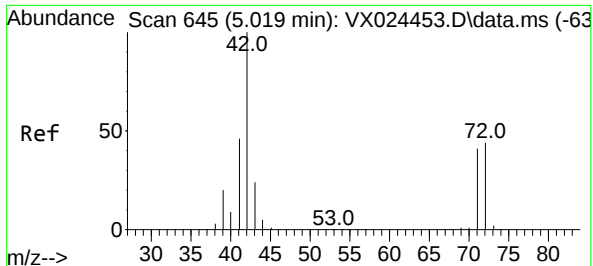
Tgt Ion: 43 Resp: 2691

Ion Ratio Lower Upper

43 100

72 31.8 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.675 ug/l

RT: 5.038 min Scan# 648

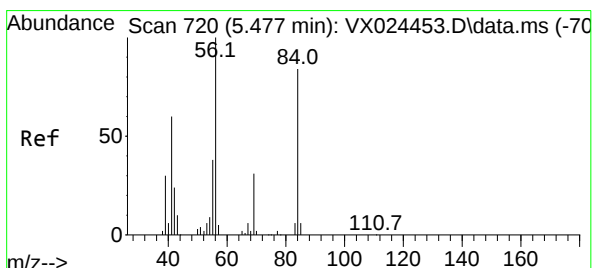
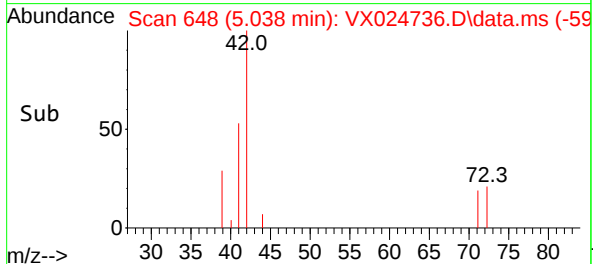
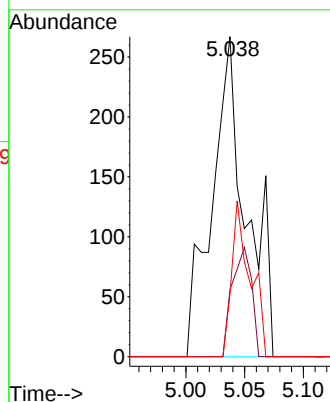
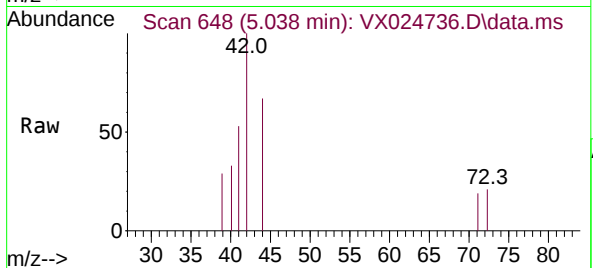
Delta R.T. 0.019 min

Lab File: VX024736.D

Acq: 12 Oct 2021 02:13

Tgt Ion:	42	Resp:	544
Ion	Ratio	Lower	Upper
42	100		
72	19.1	41.7	62.5#
71	26.1	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.329 ug/l

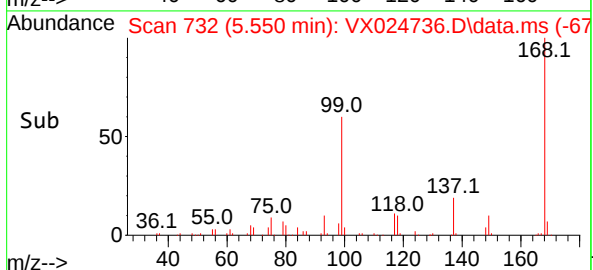
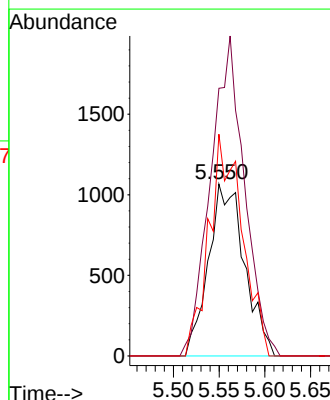
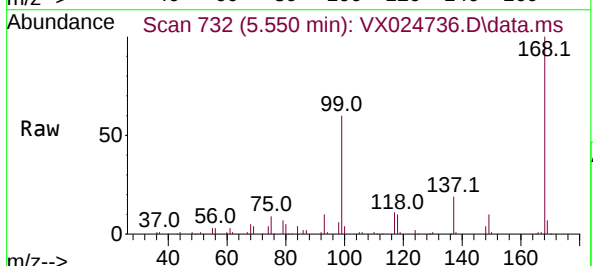
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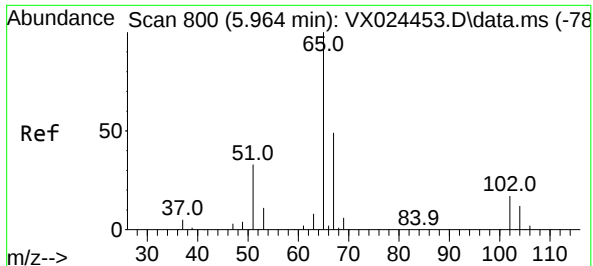
Delta R.T. 0.073 min

Lab File: VX024736.D

Acq: 12 Oct 2021 02:13

Tgt Ion:	56	Resp:	2924
Ion	Ratio	Lower	Upper
56	100		
69	155.8	25.3	37.9#
84	129.1	71.4	107.0#

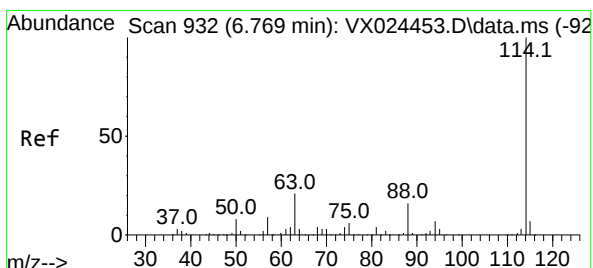
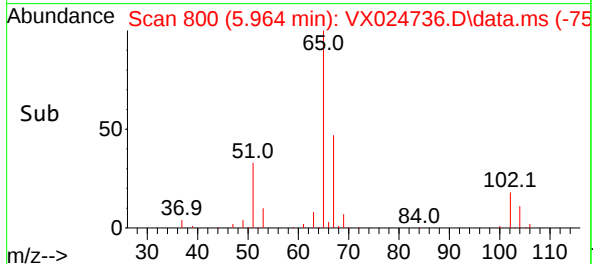
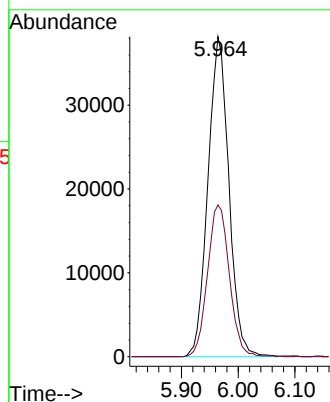
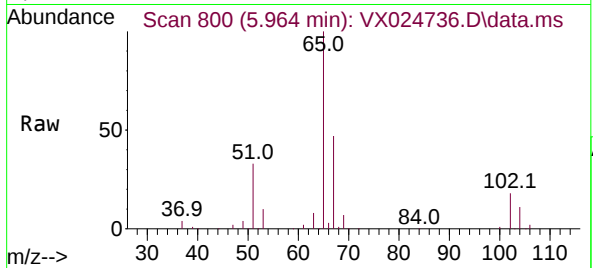




#33
 1,2-Dichloroethane-d4
 Concen: 53.213 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX024736.D
 Acq: 12 Oct 2021 02:13

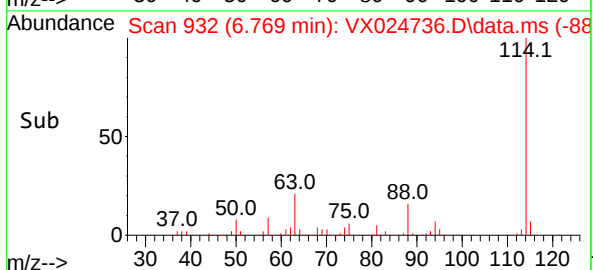
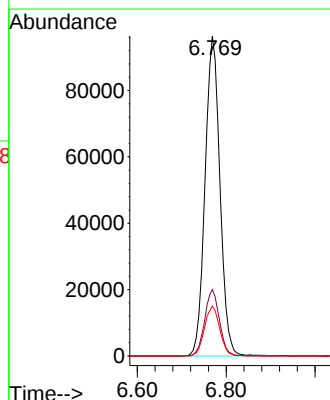
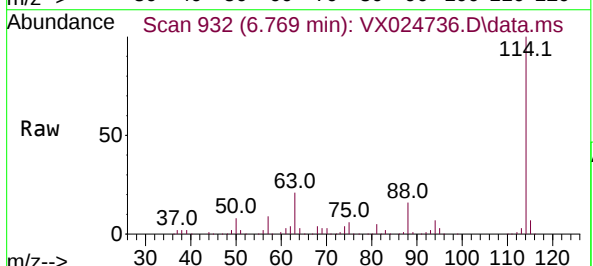
Instrument :
 MSVOA_X
 ClientSampled :

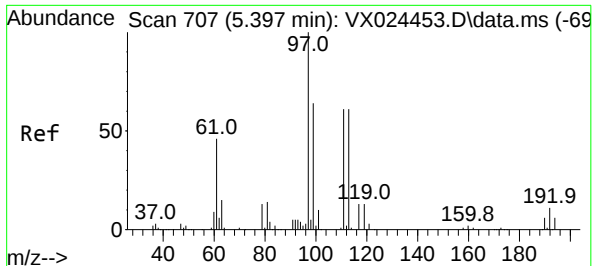
Tgt Ion: 65 Resp: 97790
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX024736.D
 Acq: 12 Oct 2021 02:13

Tgt Ion: 114 Resp: 225197
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.8
 88 15.6 0.0 32.8

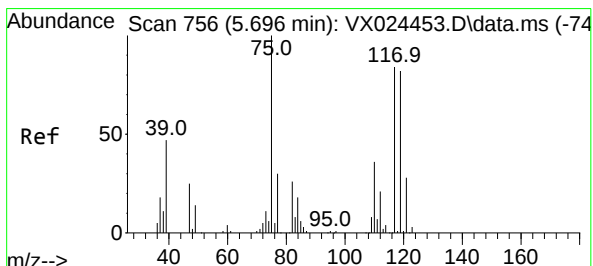
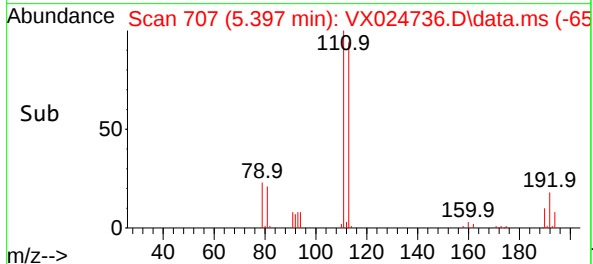
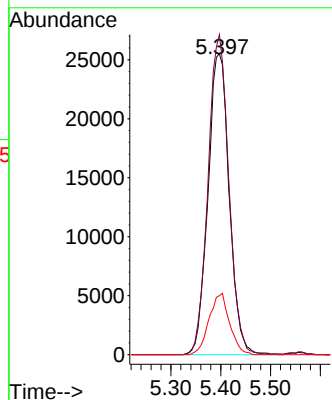
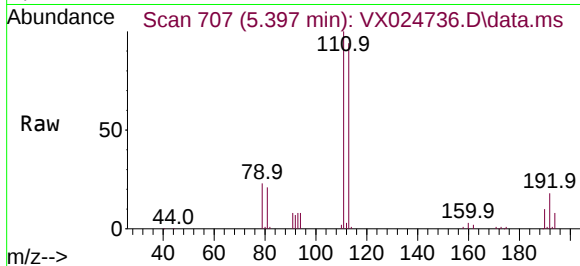




#35
Dibromofluoromethane
Concen: 50.406 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

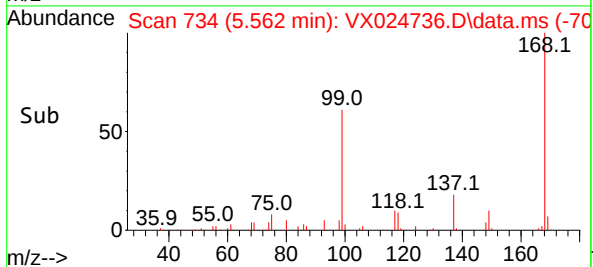
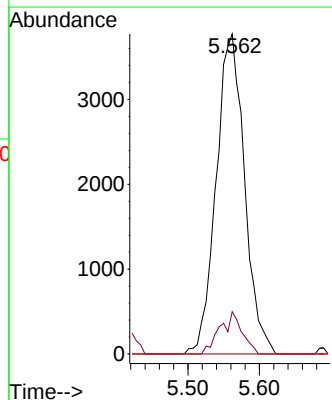
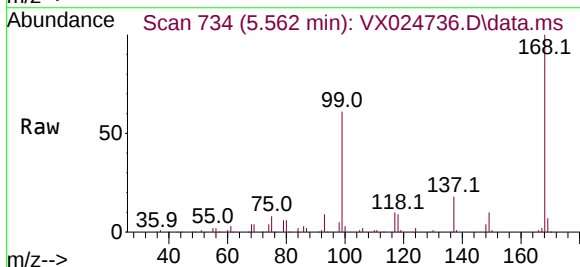
Instrument :
MSVOA_X
ClientSampled :

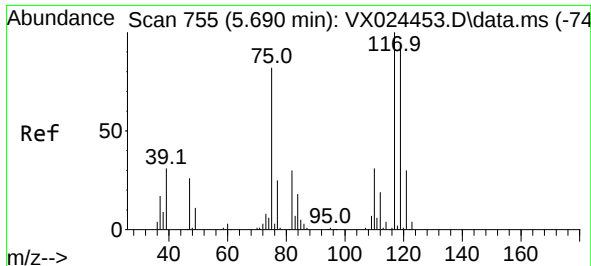
Tgt Ion:113 Resp: 75409
Ion Ratio Lower Upper
113 100
111 104.2 81.9 122.9
192 19.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.804 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

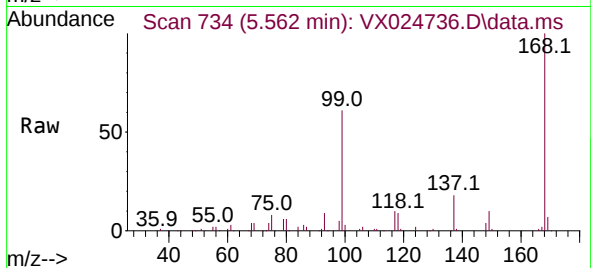
Tgt Ion: 75 Resp: 10372
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.4#
77 0.0 25.3 37.9#



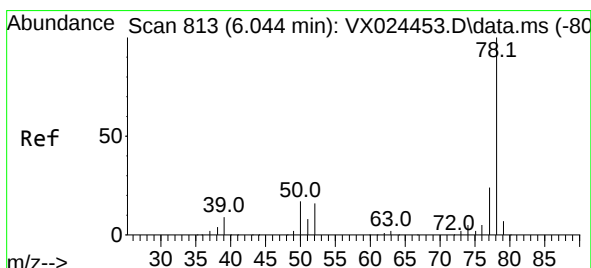
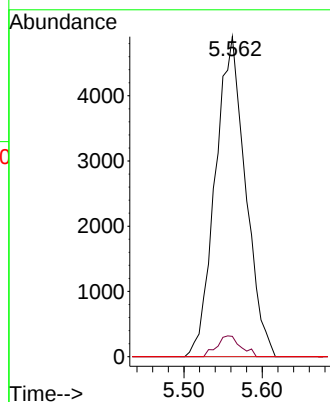
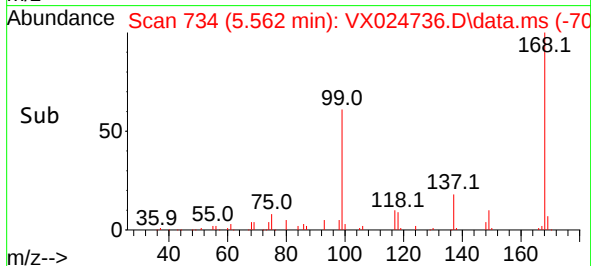


#38
Carbon Tetrachloride
Concen: 5.611 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

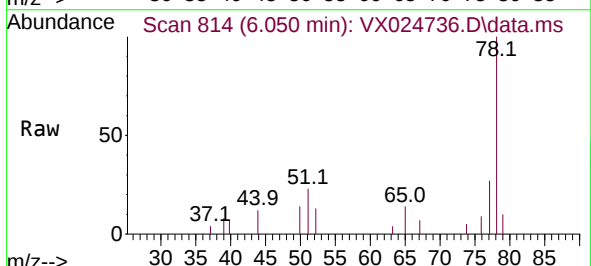
Instrument :
MSVOA_X
ClientSampled :



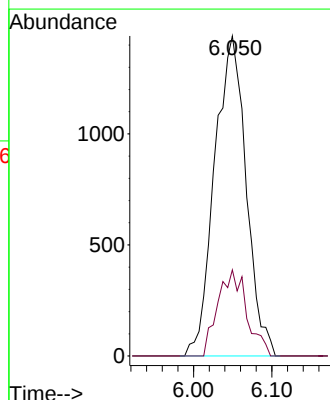
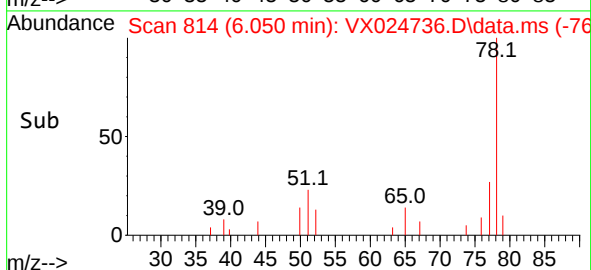
Tgt Ion:117 Resp: 13185
Ion Ratio Lower Upper
117 100
119 6.4 76.2 114.2#
121 0.0 24.8 37.2#

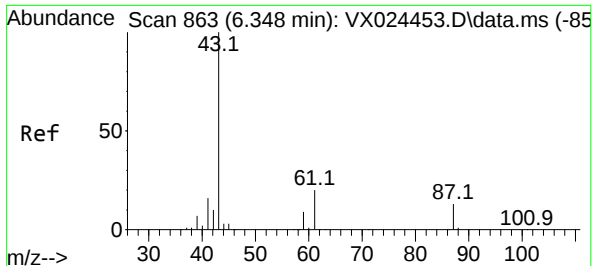


#40
Benzene
Concen: 0.653 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13



Tgt Ion: 78 Resp: 4033
Ion Ratio Lower Upper
78 100
77 26.9 18.9 28.3

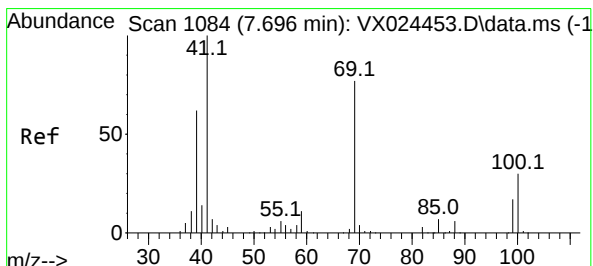
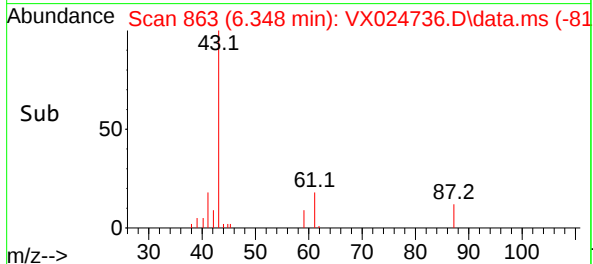
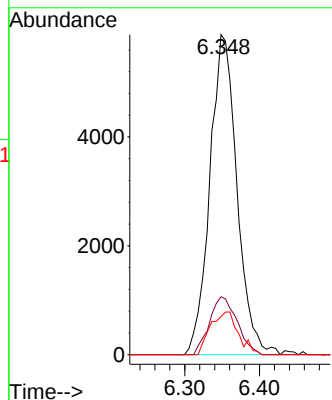
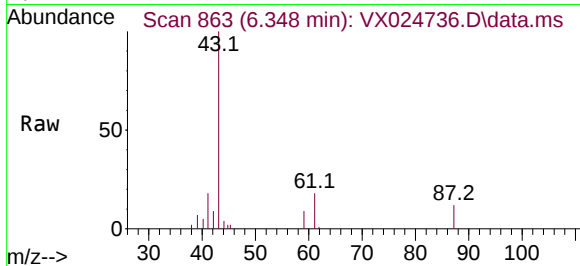




#43
Isopropyl Acetate
Concen: 3.627 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

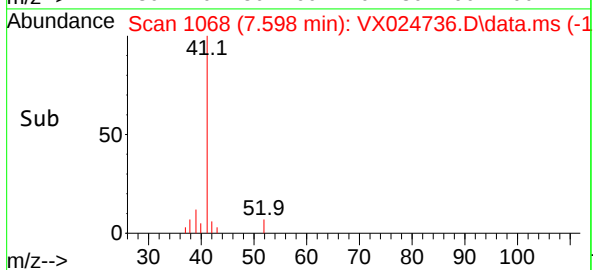
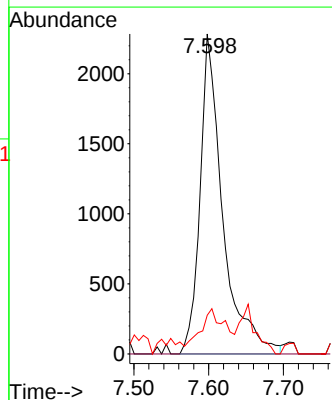
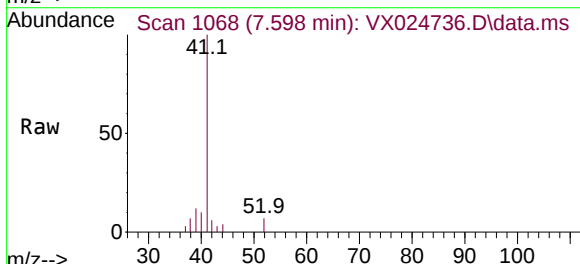
Instrument :
MSVOA_X
ClientSampled :

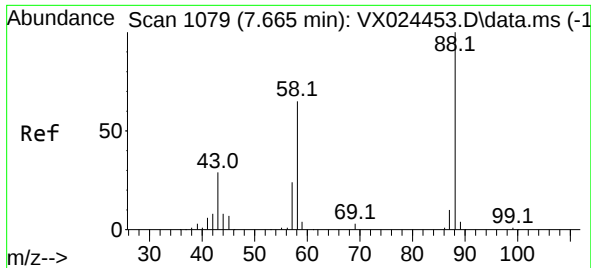
Tgt Ion: 43 Resp: 14862
Ion Ratio Lower Upper
43 100
61 18.4 18.2 27.4
87 13.7 12.5 18.7



#48
Methyl methacrylate
Concen: 2.372 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

Tgt Ion: 41 Resp: 4812
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

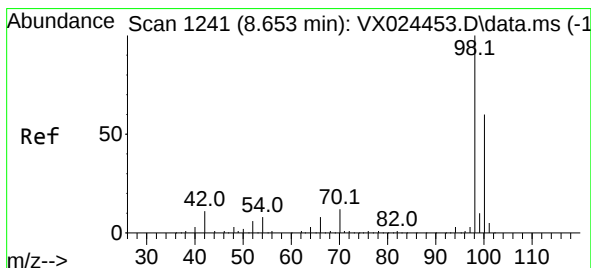
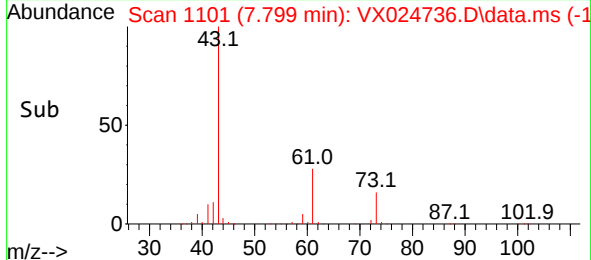
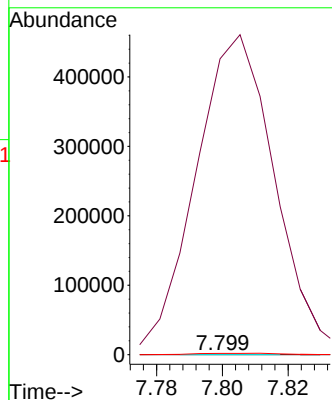
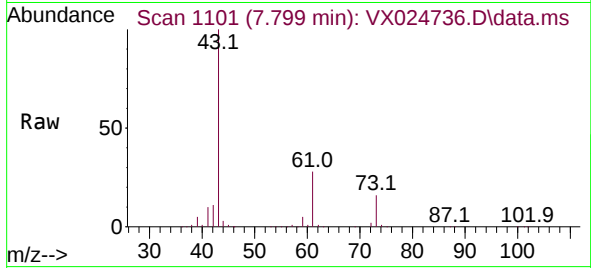




#49
1,4-Dioxane
Concen: 1.054 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

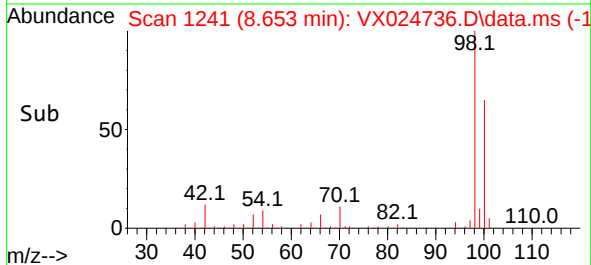
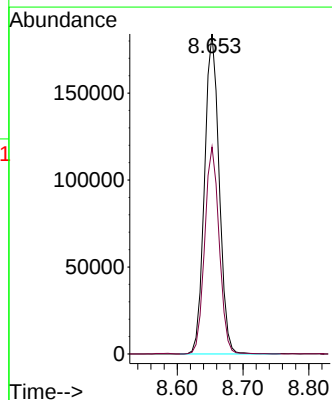
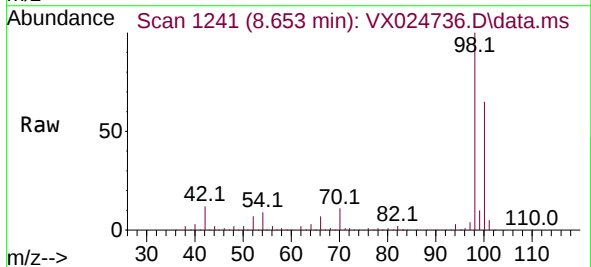
Instrument :
MSVOA_X
ClientSampled :

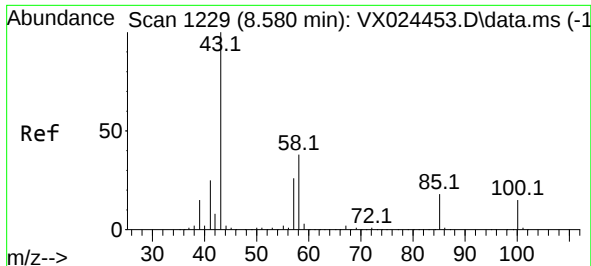
Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 1597710.2 23.2 34.8#
58 7589.8 55.0 82.4#



#50
Toluene-d8
Concen: 51.695 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

Tgt Ion: 98 Resp: 284642
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9

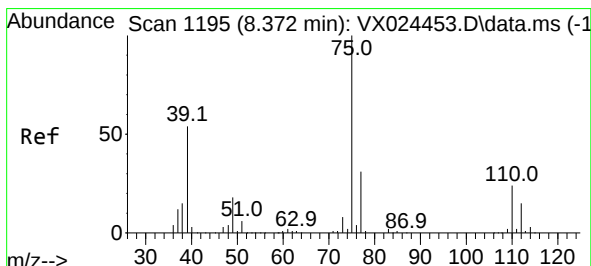
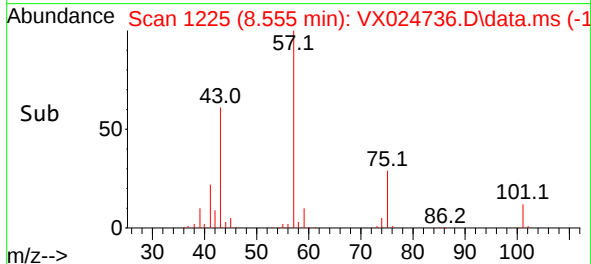
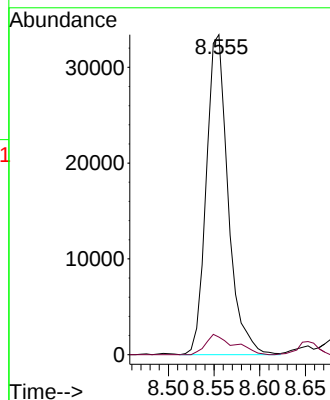
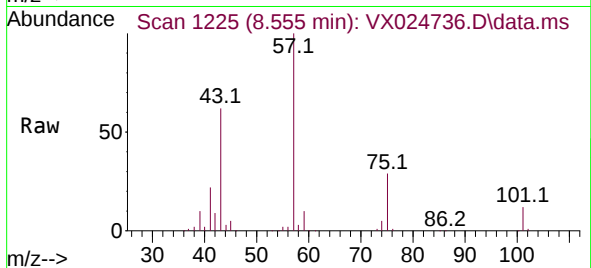




#51
4-Methyl-2-Pentanone
Concen: 20.441 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

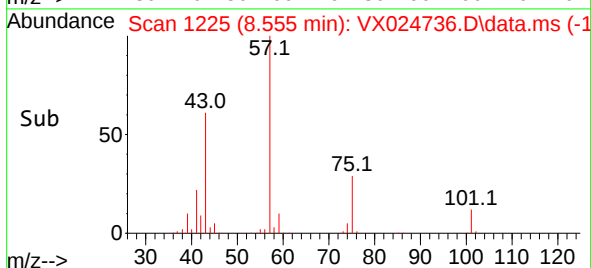
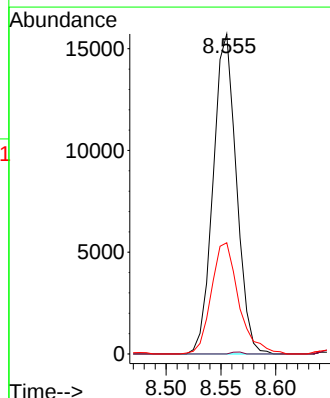
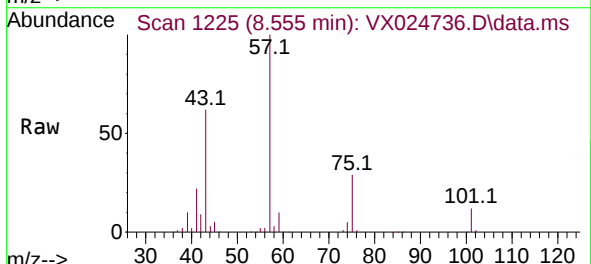
Instrument :
MSVOA_X
ClientSampled :

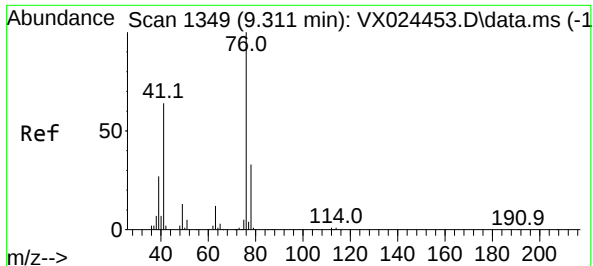
Tgt Ion: 43 Resp: 55298
Ion Ratio Lower Upper
43 100
58 8.2 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 9.198 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

Tgt Ion: 75 Resp: 23202
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 34.7 35.1 52.7#



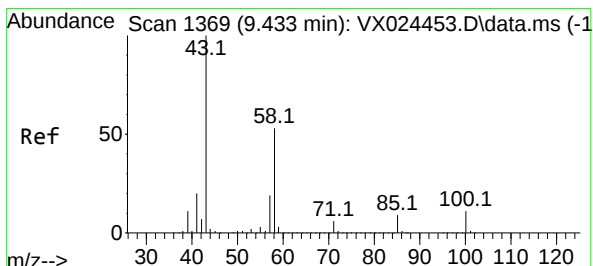
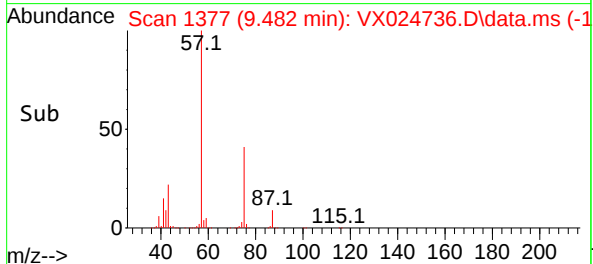
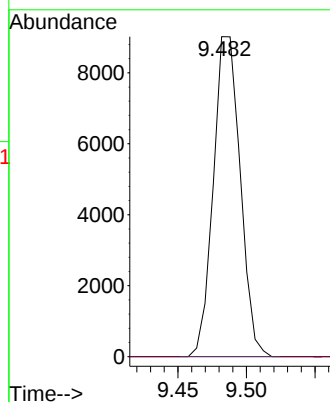
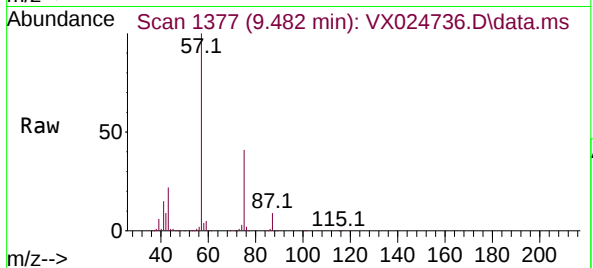


#57

1,3-Dichloropropane
Concen: 4.427 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

Instrument :
MSVOA_X
ClientSampled :

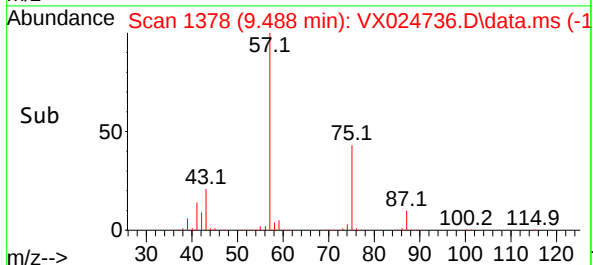
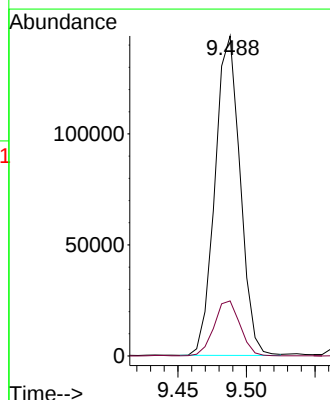
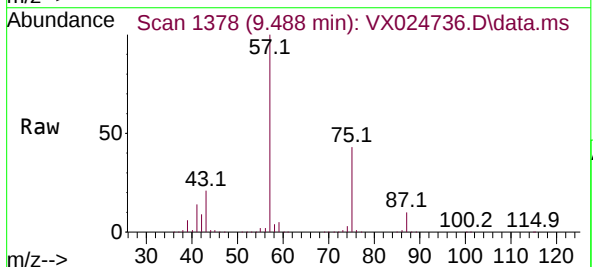
Tgt Ion: 76 Resp: 12317
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

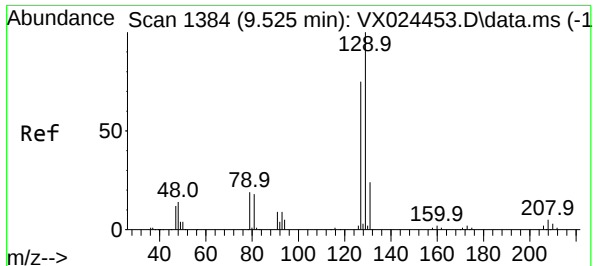


#59

2-Hexanone
Concen: 86.173 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

Tgt Ion: 43 Resp: 183583
Ion Ratio Lower Upper
43 100
58 17.8 30.9 92.8#

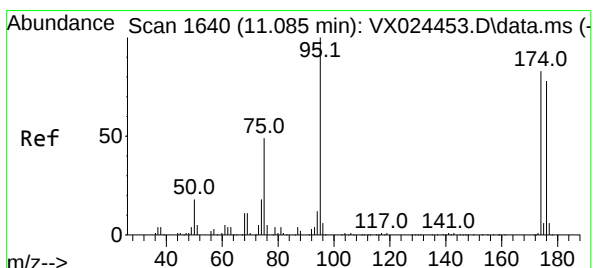
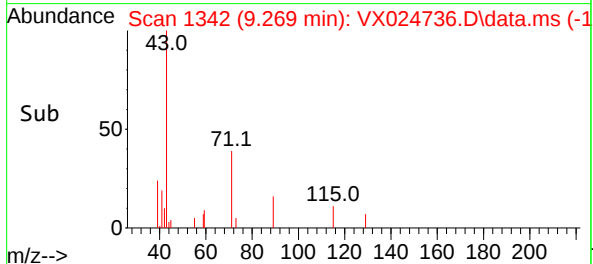
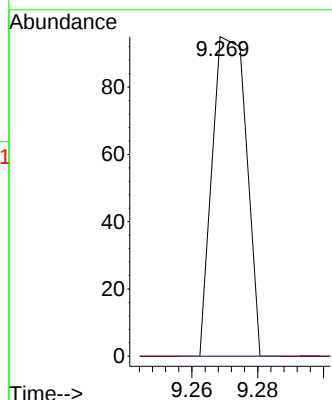
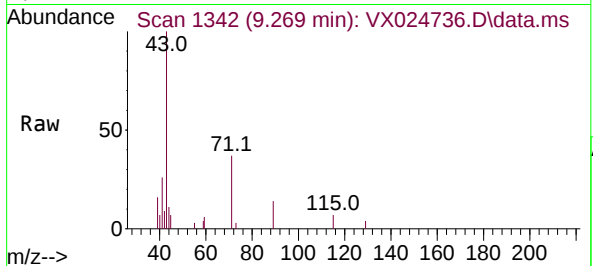




#60
Dibromochloromethane
Concen: 1.223 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.256 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

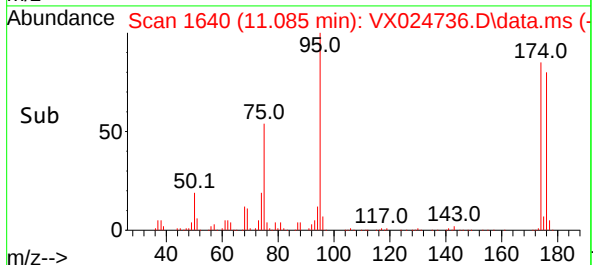
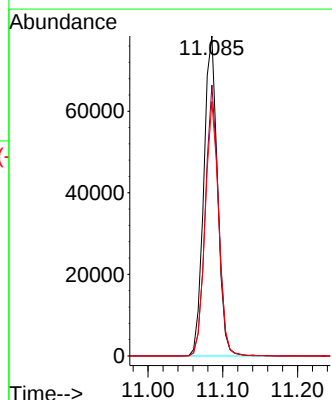
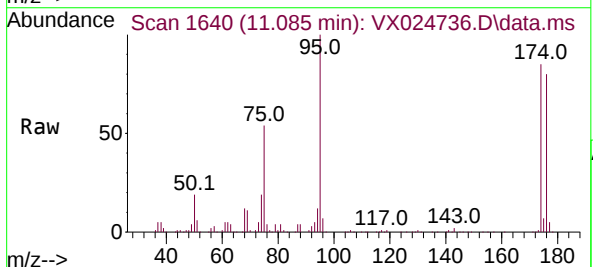
Instrument :
MSVOA_X
ClientSampled :

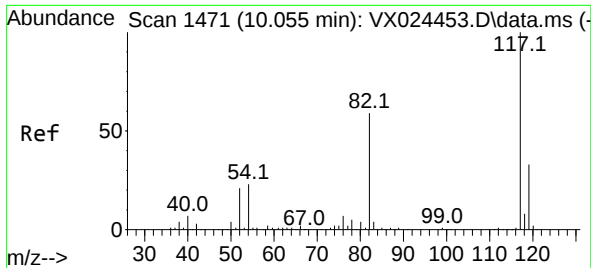
Tgt Ion:129 Resp: 68
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 46.264 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

Tgt Ion: 95 Resp: 100160
Ion Ratio Lower Upper
95 100
174 81.4 0.0 154.6
176 78.0 0.0 155.8

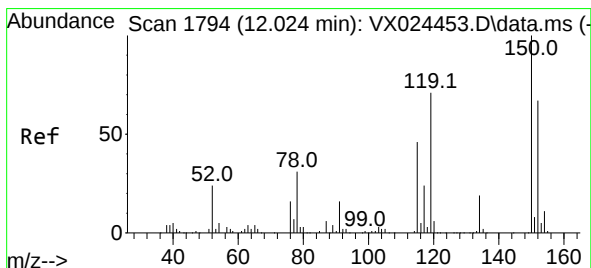
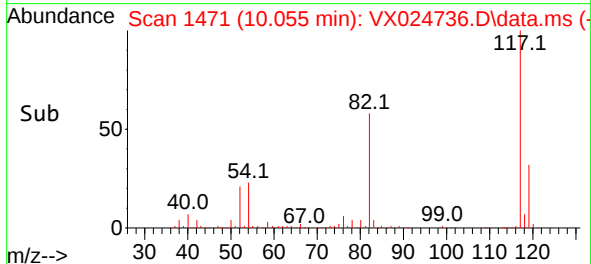
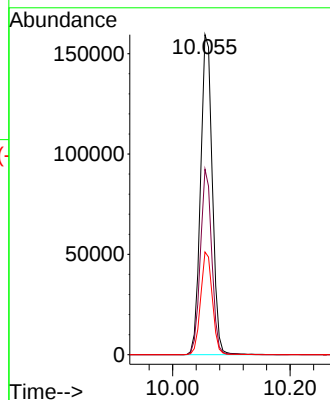
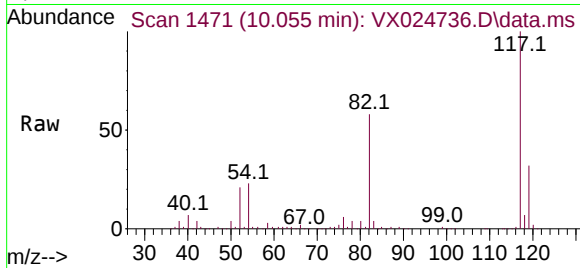




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

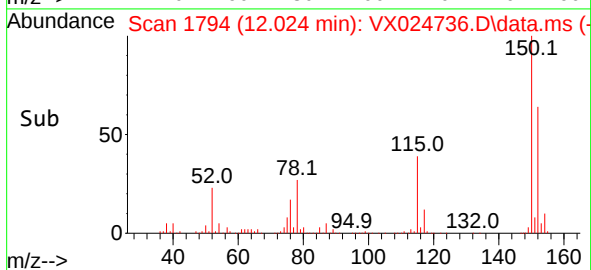
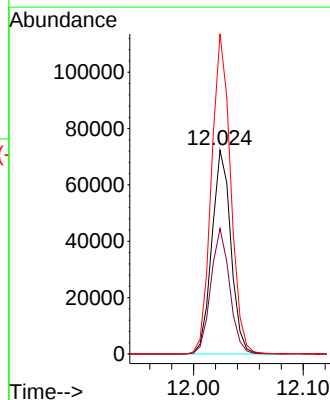
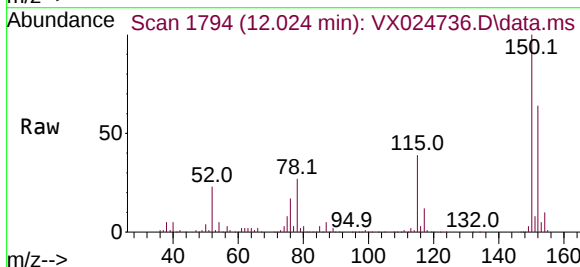
Instrument :
MSVOA_X
ClientSampled :

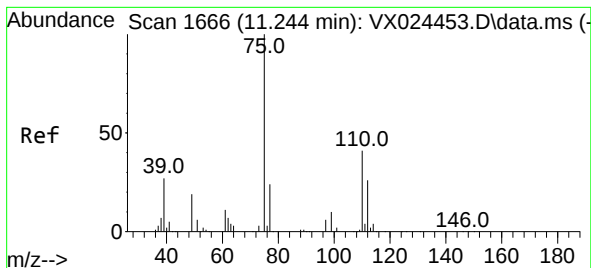
Tgt Ion:117 Resp: 221605
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

Tgt Ion:152 Resp: 87083
Ion Ratio Lower Upper
152 100
115 60.9 41.1 123.3
150 158.7 0.0 349.0

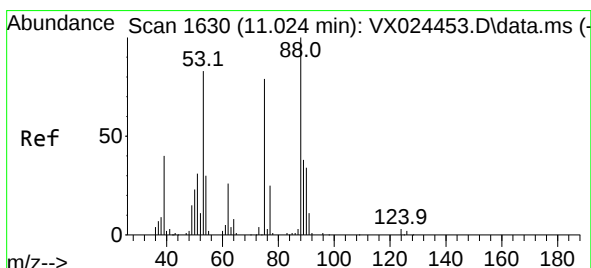
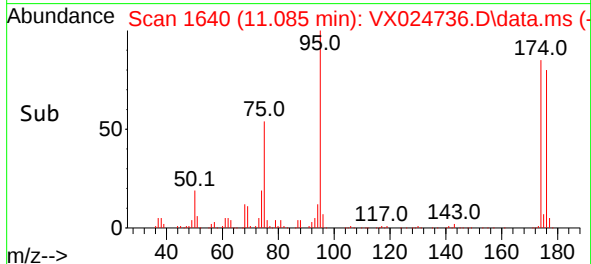
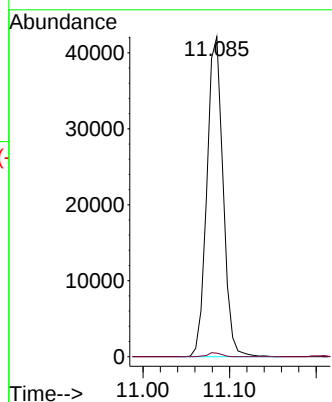
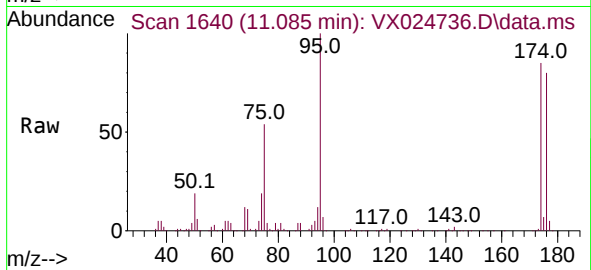




#76
1,2,3-Trichloropropane
Concen: 27.600 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 54582
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.063 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024736.D
Acq: 12 Oct 2021 02:13

Tgt Ion: 75 Resp: 54582
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

