

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100821\
 Data File : VX024699.D
 Acq On : 09 Oct 2021 03:43
 Operator : JC/MD
 Sample : PB139768ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 11 06:39:41 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)

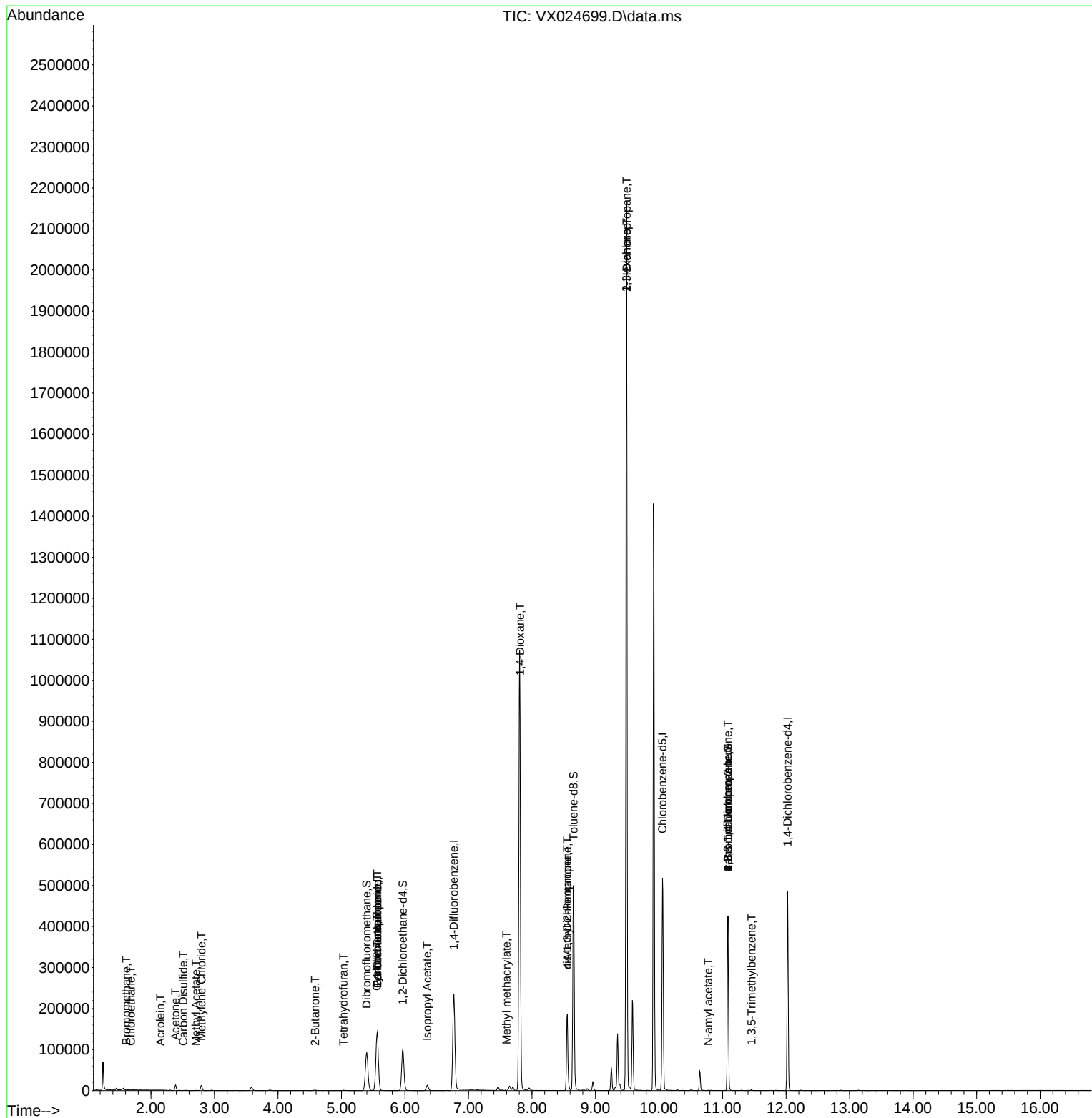
Internal Standards						
1) Pentafluorobenzene	5.562	168	130386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	230352	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94756	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	98560	53.634	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.260%	
35) Dibromofluoromethane	5.397	113	78697	51.426	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.860%	
50) Toluene-d8	8.652	98	289779	51.450	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.900%	
62) 4-Bromofluorobenzene	11.085	95	105887	47.815	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.640%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	355	0.408	ug/l	83
6) Chloroethane	1.684	64	415	0.737	ug/l #	43
11) Tert butyl alcohol	2.971	59	683	Below Cal	#	73
13) Acrolein	2.148	56	20	10.251	ug/l #	14
16) Acetone	2.385	43	14122	8.414	ug/l	92
17) Carbon Disulfide	2.507	76	312	0.329	ug/l #	75
18) Methyl Acetate	2.708	43	1177	0.428	ug/l #	70
20) Methylene Chloride	2.794	84	5441	2.879	ug/l	89
25) 2-Butanone	4.586	43	2263	1.788	ug/l #	88
29) Tetrahydrofuran	5.031	42	575	0.713	ug/l #	83
31) Cyclohexane	5.556	56	2864	1.302	ug/l #	48
36) 1,1-Dichloropropene	5.562	75	10536	4.771	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13710	5.703	ug/l #	17
43) Isopropyl Acetate	6.348	43	17312	4.130	ug/l #	91
48) Methyl methacrylate	7.598	41	5118	2.466	ug/l #	10
49) 1,4-Dioxane	7.811	88	155	3.261	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	67130	24.260	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	27861	10.798	ug/l #	68
57) 1,3-Dichloropropane	9.488	76	16862	5.925	ug/l #	42
59) 2-Hexanone	9.488	43	251939	115.612	ug/l #	43
74) N-amyl acetate	10.774	43	678	0.220	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	57417	26.683	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	1362	0.238	ug/l	84
81) trans-1,4-Dichloro-2-b...	11.085	75	57417	72.632	ug/l #	12

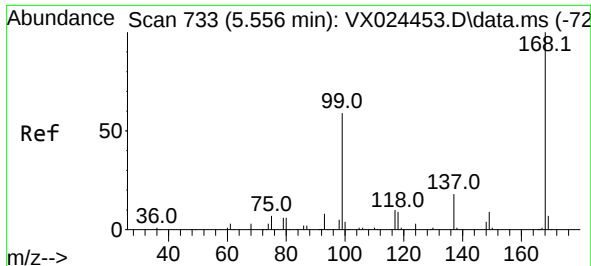
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Oct 11 06:39:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
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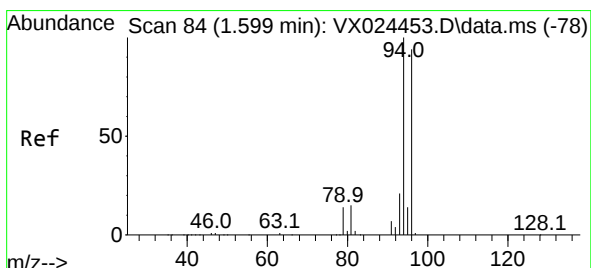
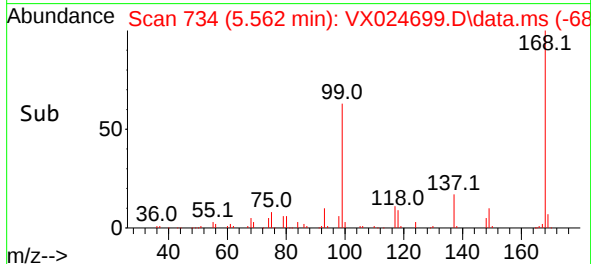
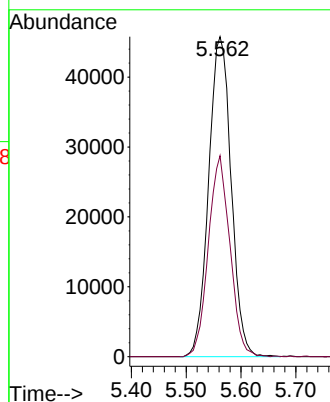
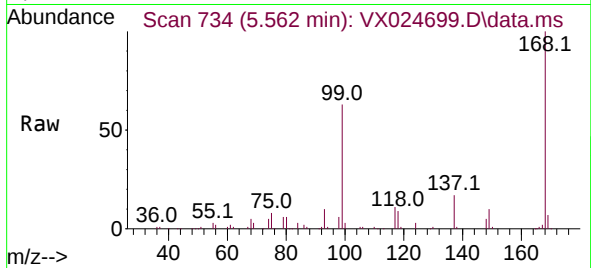




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

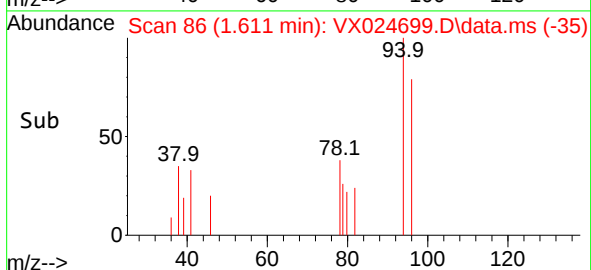
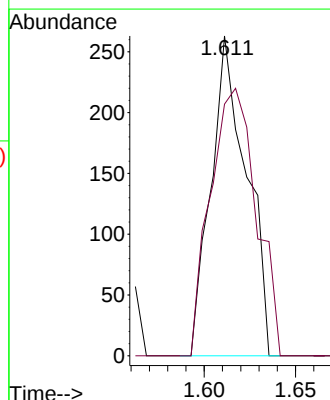
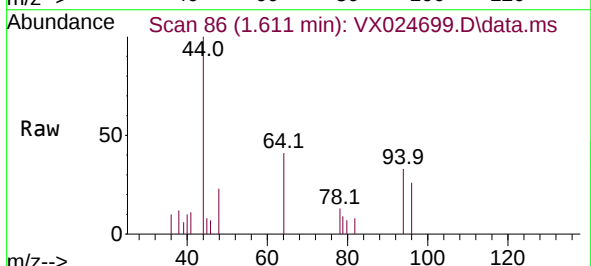
Instrument :
MSVOA_X
ClientSampled :

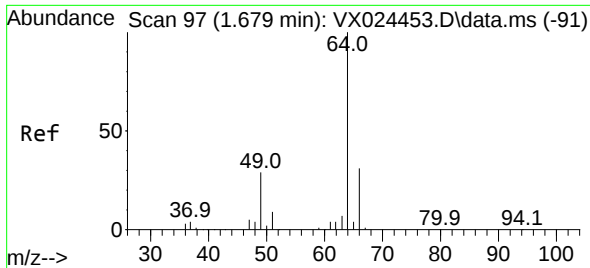
Tgt Ion:168 Resp: 130386
Ion Ratio Lower Upper
168 100
99 62.8 45.8 68.6



#5
Bromomethane
Concen: 0.408 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

Tgt Ion: 94 Resp: 355
Ion Ratio Lower Upper
94 100
96 78.7 76.4 114.6

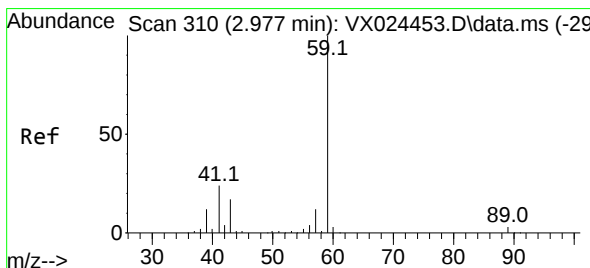
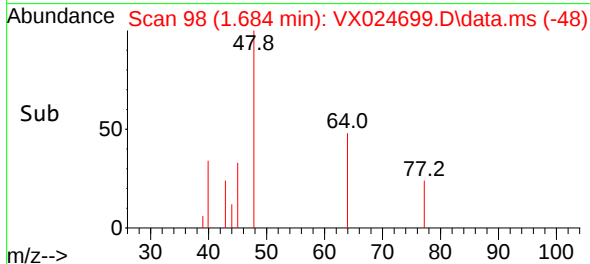
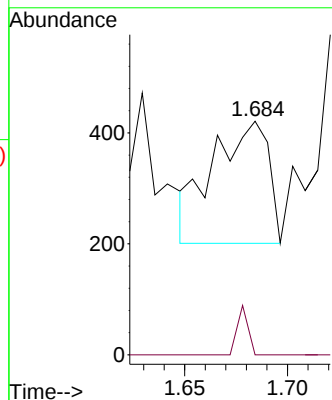
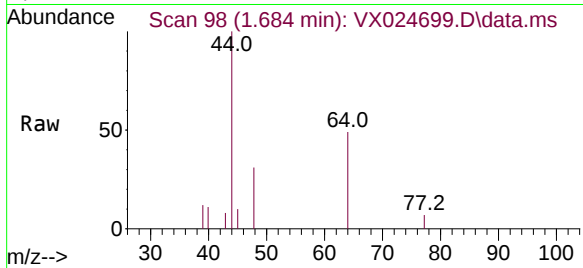




#6
Chloroethane
Concen: 0.737 ug/l
RT: 1.684 min Scan# 98
Delta R.T. 0.005 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

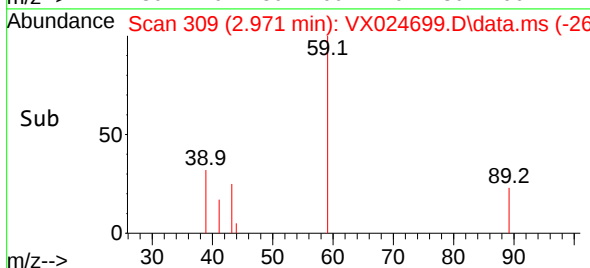
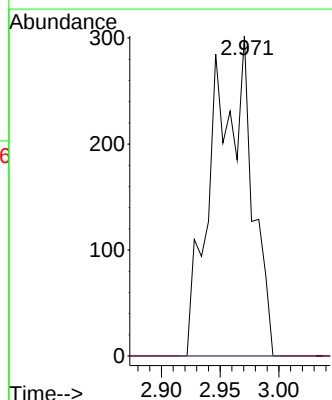
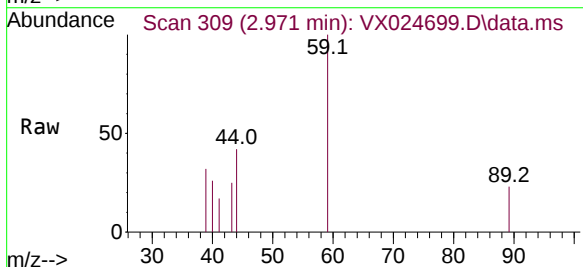
Instrument :
MSVOA_X
ClientSampled :

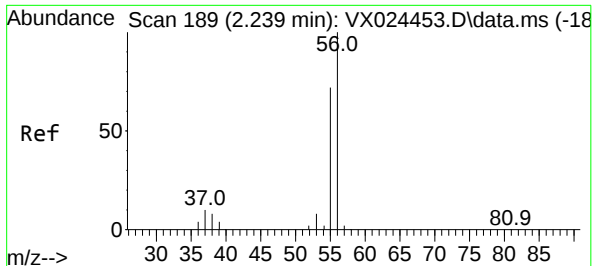
Tgt Ion: 64 Resp: 415
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

Tgt Ion: 59 Resp: 683
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

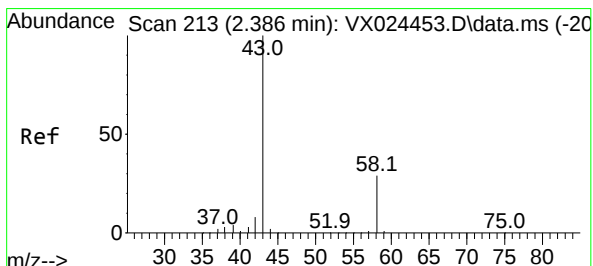
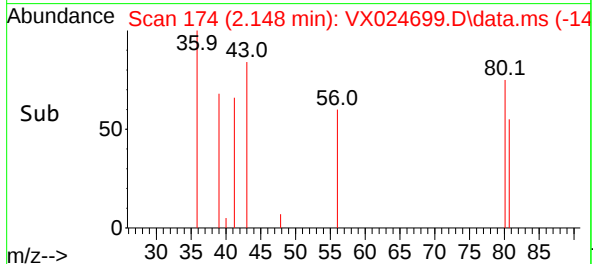
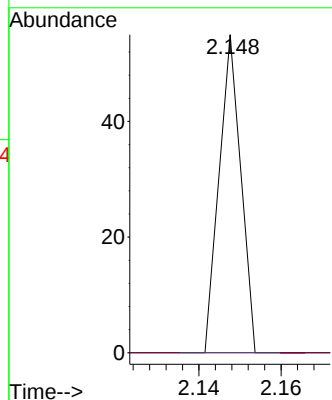
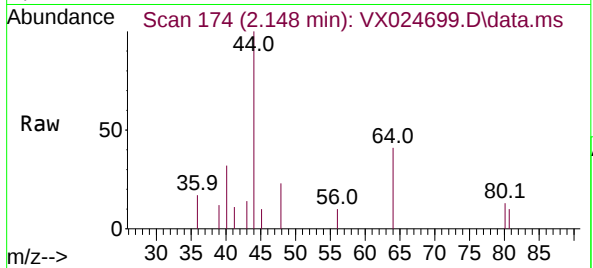




#13
Acrolein
Concen: 10.251 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.091 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

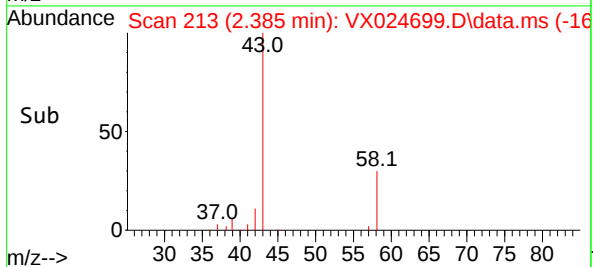
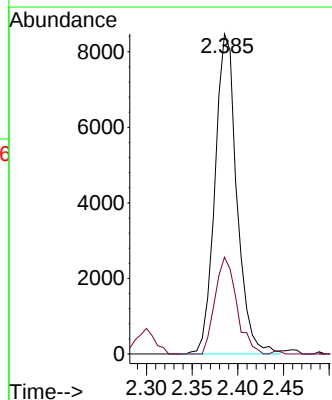
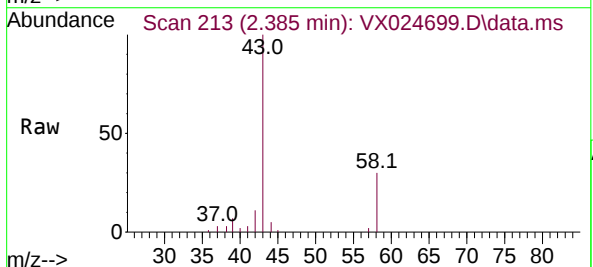
Instrument :
MSVOA_X
ClientSampled :

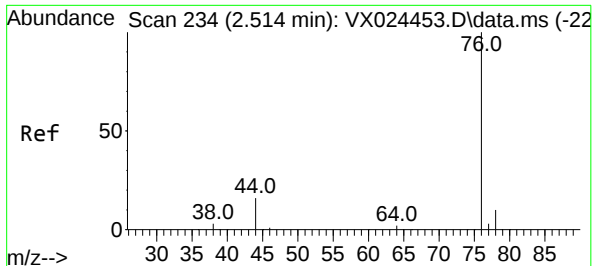
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 8.414 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.001 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

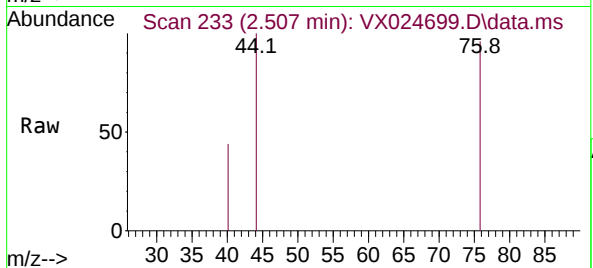
Tgt Ion: 43 Resp: 14122
Ion Ratio Lower Upper
43 100
58 30.3 27.8 41.8



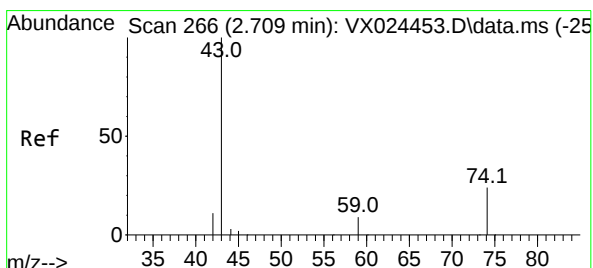
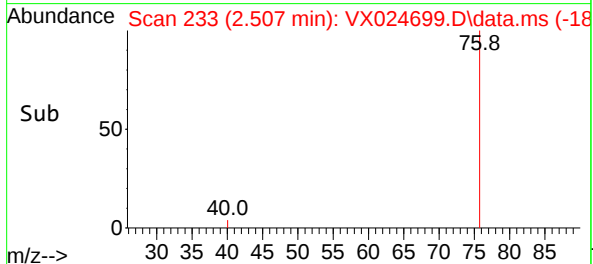
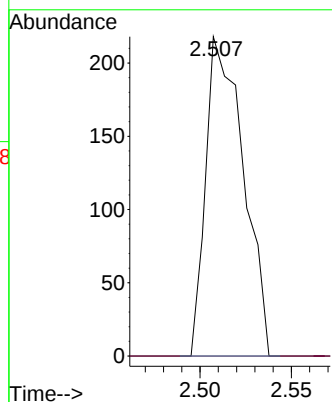


#17
Carbon Disulfide
Concen: 0.329 ug/l
RT: 2.507 min Scan# 233
Delta R.T. -0.007 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

Instrument :
MSVOA_X
ClientSampled :

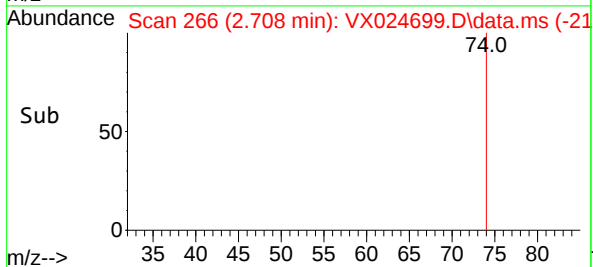
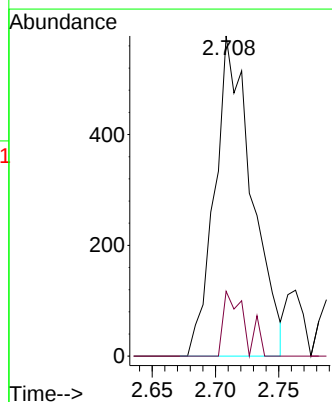
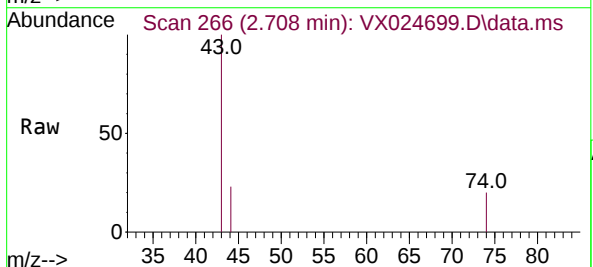


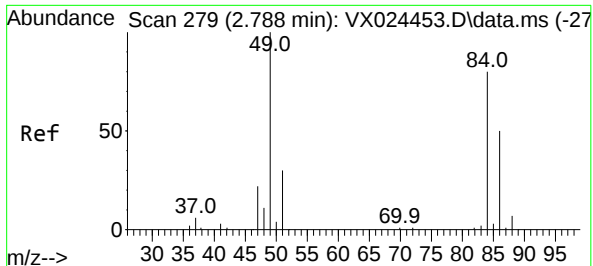
Tgt Ion: 76 Resp: 312
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.428 ug/l
RT: 2.708 min Scan# 266
Delta R.T. -0.001 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

Tgt Ion: 43 Resp: 1177
Ion Ratio Lower Upper
43 100
74 11.6 21.9 32.9#





#20

Methylene Chloride

Concen: 2.879 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX024699.D

Acq: 09 Oct 2021 03:43

Tgt Ion: 84 Resp: 5441

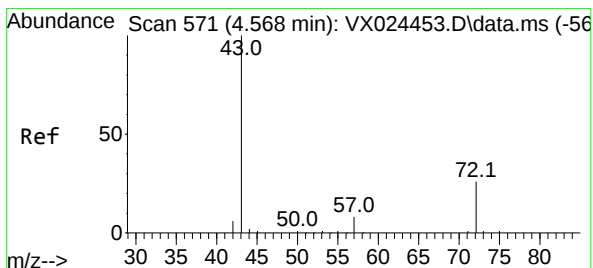
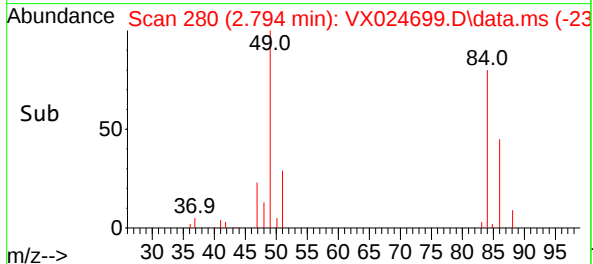
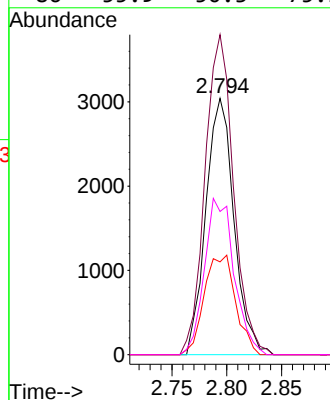
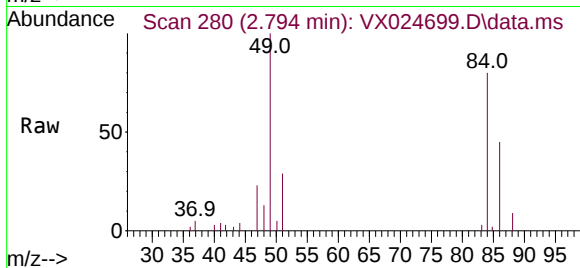
Ion Ratio Lower Upper

84 100

49 124.8 88.6 132.8

51 36.2 27.0 40.6

86 55.9 50.3 75.5



#25

2-Butanone

Concen: 1.788 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.018 min

Lab File: VX024699.D

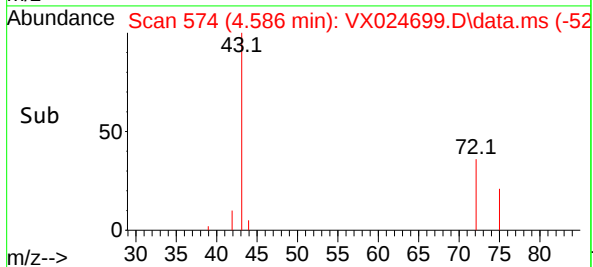
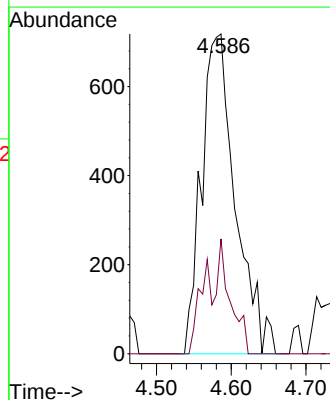
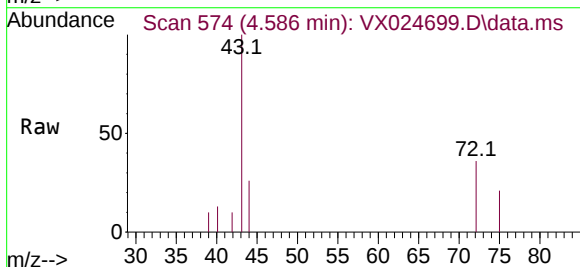
Acq: 09 Oct 2021 03:43

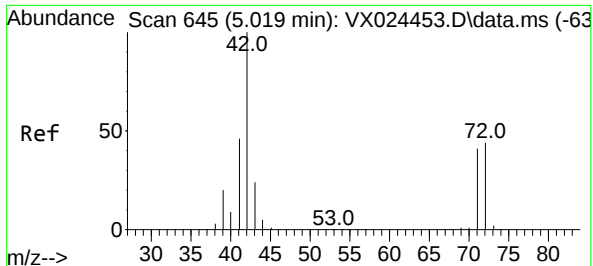
Tgt Ion: 43 Resp: 2263

Ion Ratio Lower Upper

43 100

72 35.9 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.713 ug/l

RT: 5.031 min Scan# 647

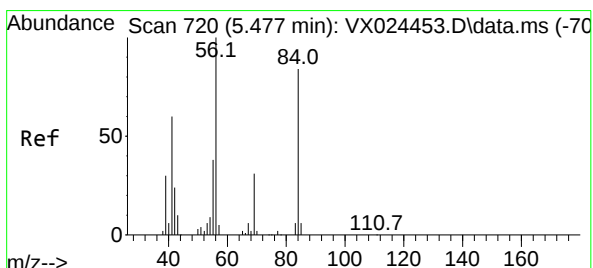
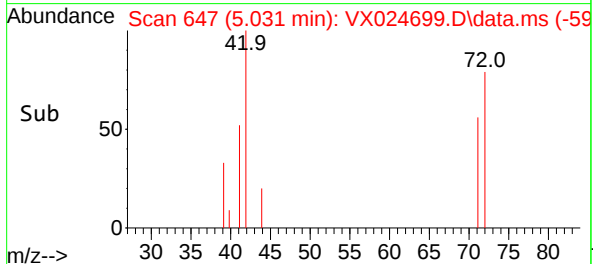
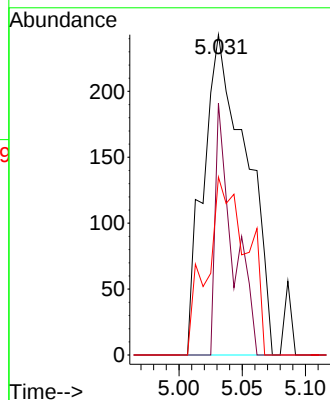
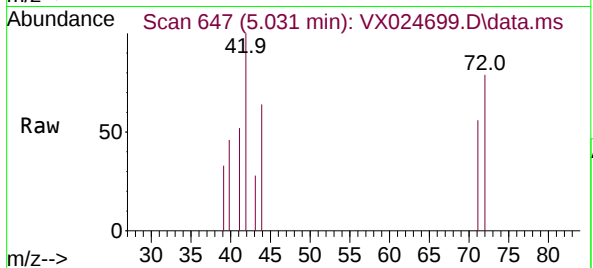
Delta R.T. 0.012 min

Lab File: VX024699.D

Acq: 09 Oct 2021 03:43

Tgt Ion:	42	Resp:	575
Ion	Ratio	Lower	Upper
42	100		
72	32.2	41.7	62.5#
71	51.1	38.4	57.6

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.302 ug/l

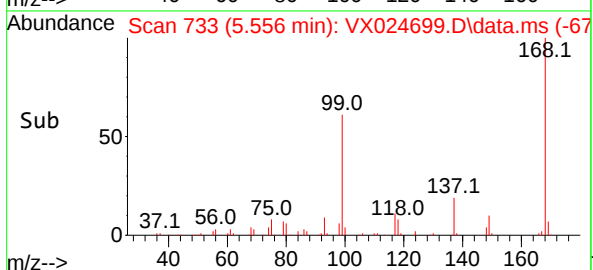
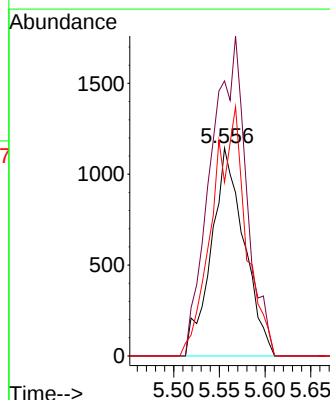
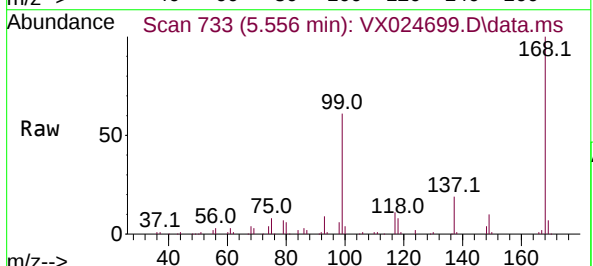
RT: 5.556 min Scan# 733

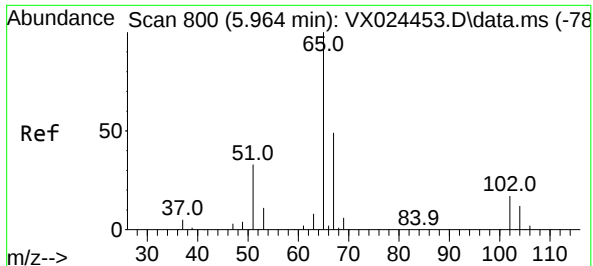
Delta R.T. 0.079 min

Lab File: VX024699.D

Acq: 09 Oct 2021 03:43

Tgt Ion:	56	Resp:	2864
Ion	Ratio	Lower	Upper
56	100		
69	132.3	25.3	37.9#
84	83.6	71.4	107.0



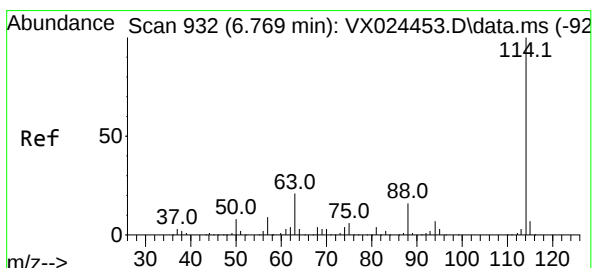
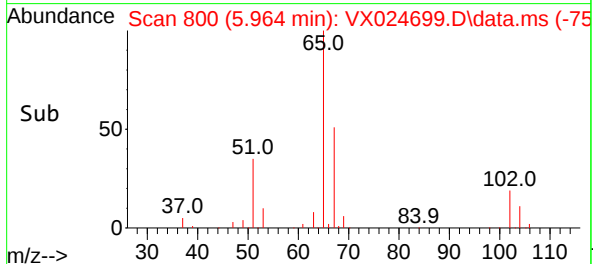
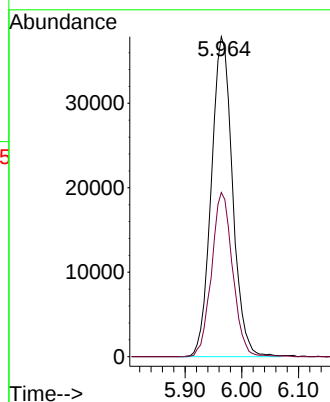
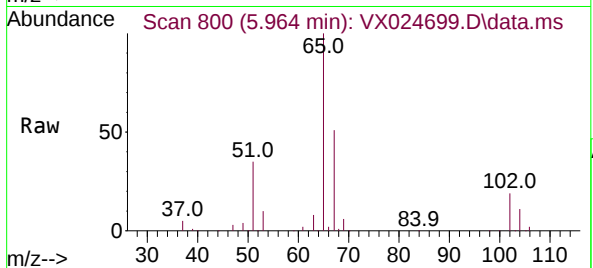


#33

1,2-Dichloroethane-d4
Concen: 53.634 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

Instrument :
MSVOA_X
ClientSampled :

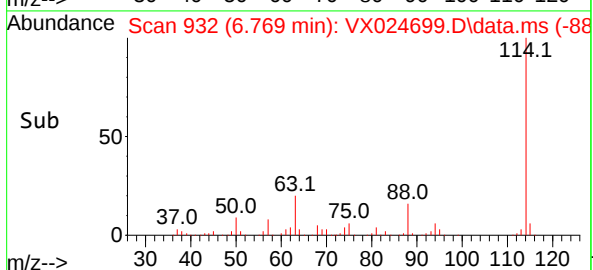
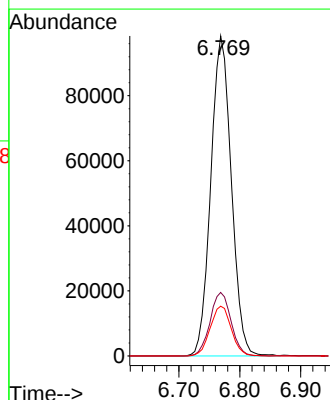
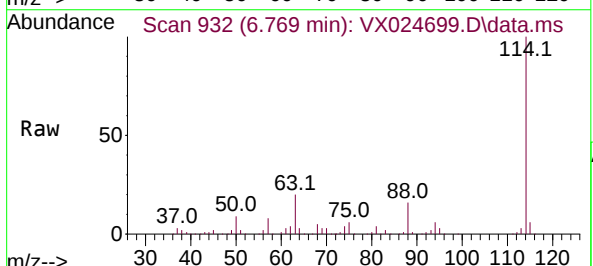
Tgt Ion: 65 Resp: 98560
Ion Ratio Lower Upper
65 100
67 50.9 0.0 105.4

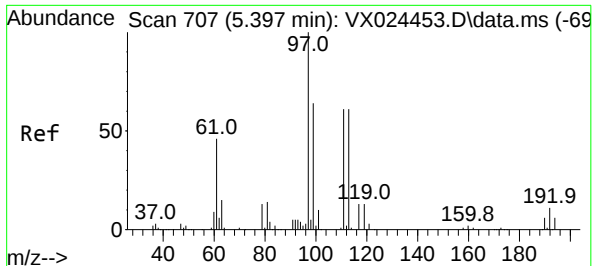


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

Tgt Ion: 114 Resp: 230352
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 15.6 0.0 32.8

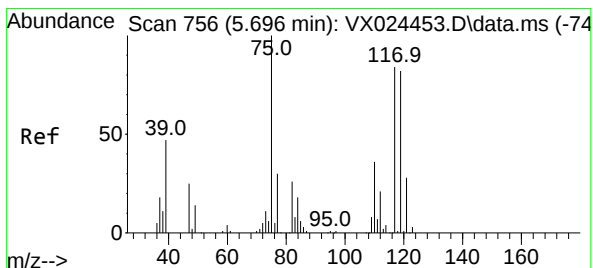
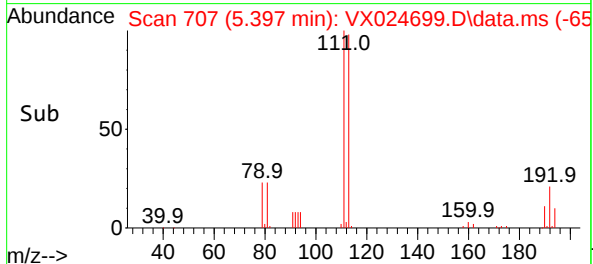
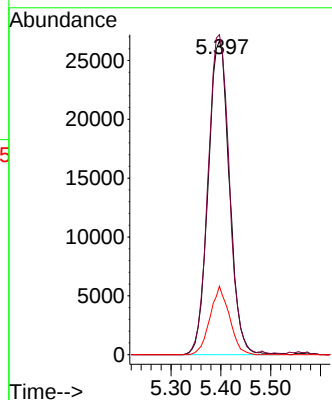
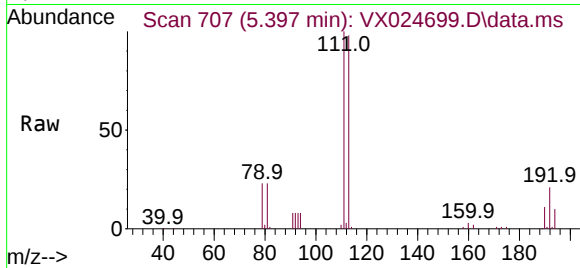




#35
Dibromofluoromethane
Concen: 51.426 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

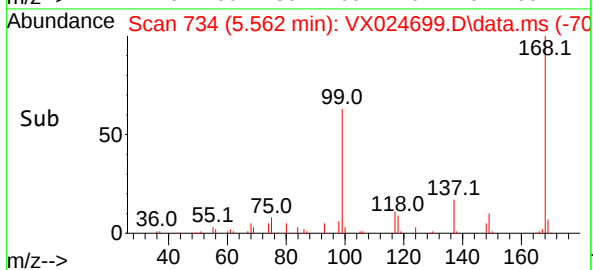
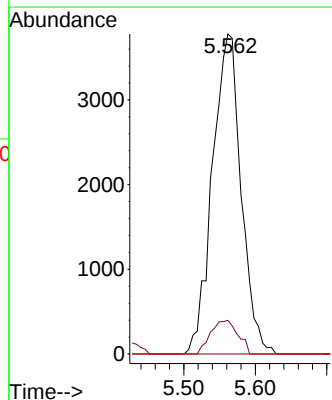
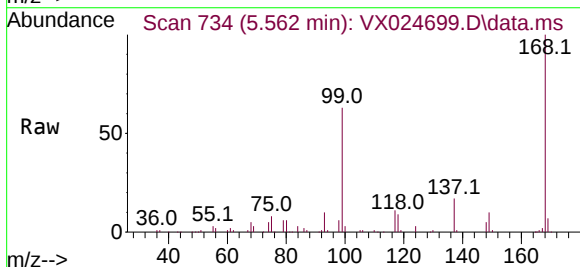
Instrument :
MSVOA_X
ClientSampled :

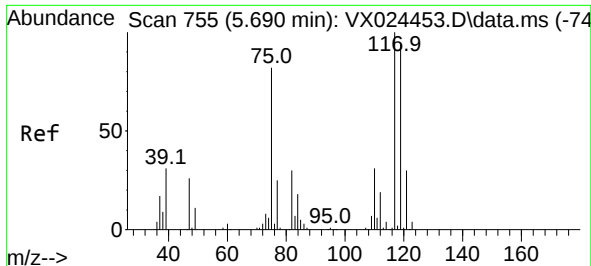
Tgt Ion:113 Resp: 78697
Ion Ratio Lower Upper
113 100
111 101.9 81.9 122.9
192 19.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.771 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

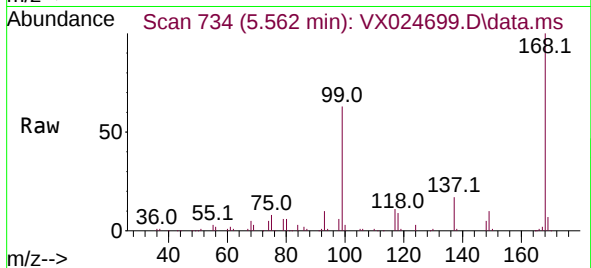
Tgt Ion: 75 Resp: 10536
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#



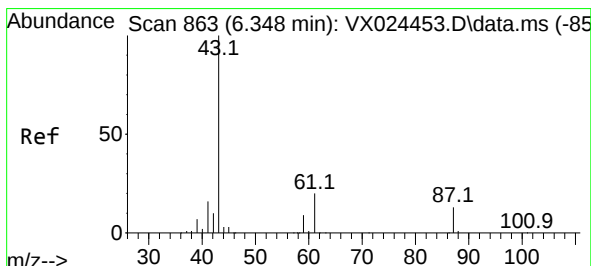
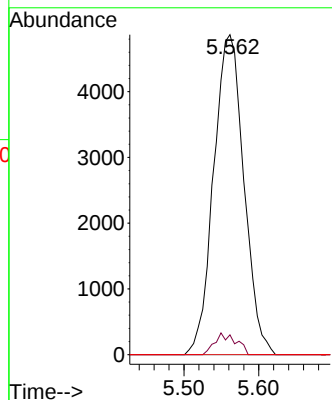
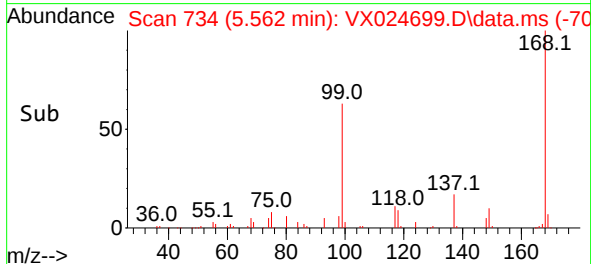


#38
Carbon Tetrachloride
Concen: 5.703 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

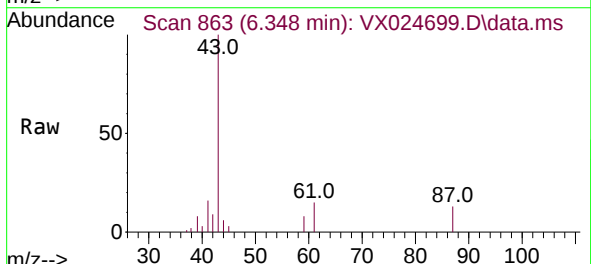
Instrument :
MSVOA_X
ClientSampled :



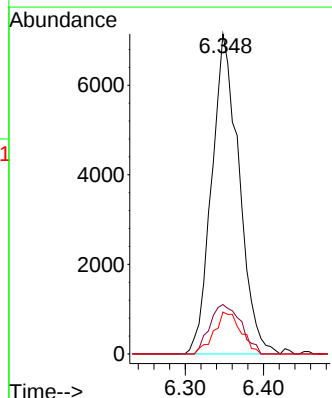
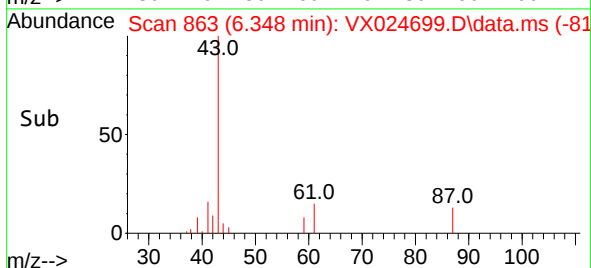
Tgt Ion:117 Resp: 13710
Ion Ratio Lower Upper
117 100
119 6.2 76.2 114.2#
121 0.0 24.8 37.2#

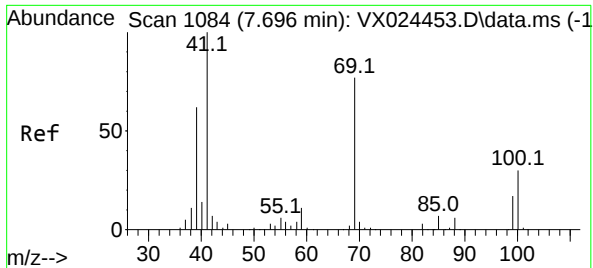


#43
Isopropyl Acetate
Concen: 4.130 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43



Tgt Ion: 43 Resp: 17312
Ion Ratio Lower Upper
43 100
61 17.7 18.2 27.4#
87 12.9 12.5 18.7

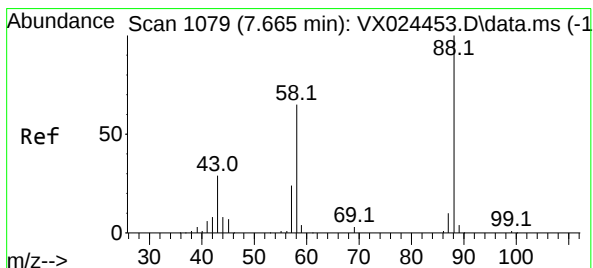
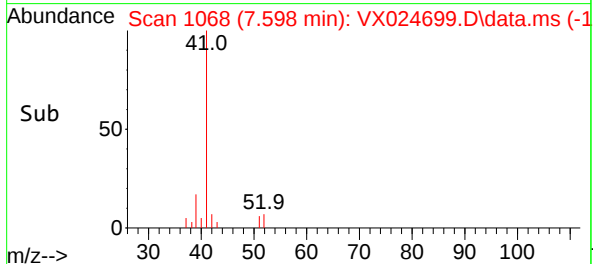
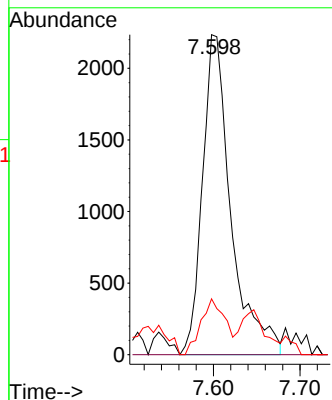
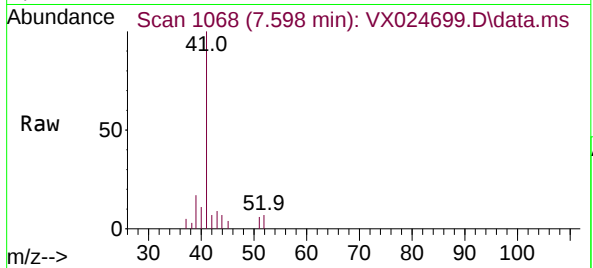




#48
Methyl methacrylate
Concen: 2.466 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

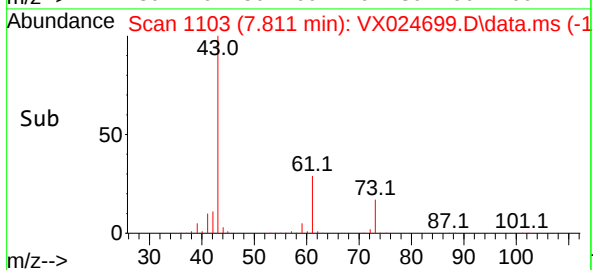
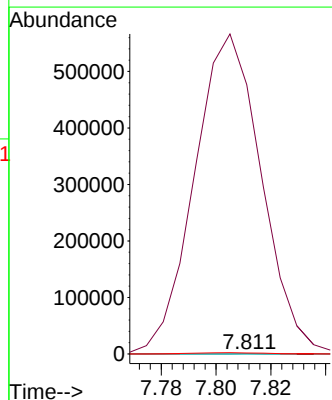
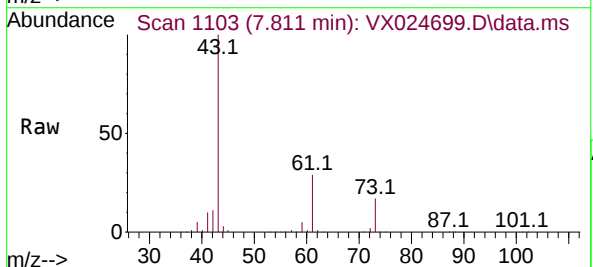
Instrument :
MSVOA_X
ClientSampled :

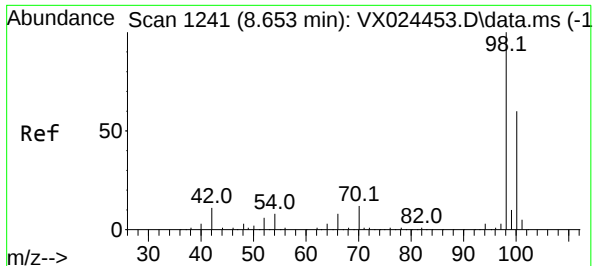
Tgt Ion: 41 Resp: 5118
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 3.261 ug/l
RT: 7.811 min Scan# 1103
Delta R.T. 0.146 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

Tgt Ion: 88 Resp: 155
Ion Ratio Lower Upper
88 100
43 626743.9 23.2 34.8#
58 2634.8 55.0 82.4#

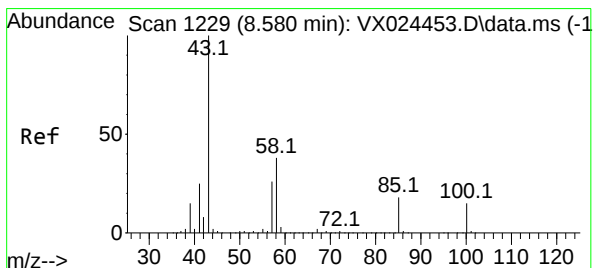
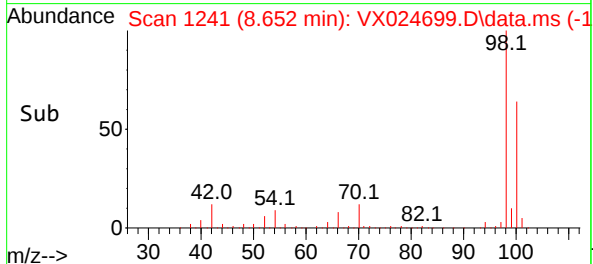
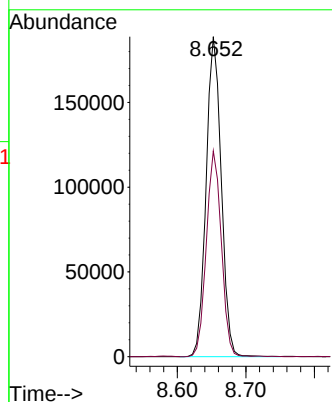
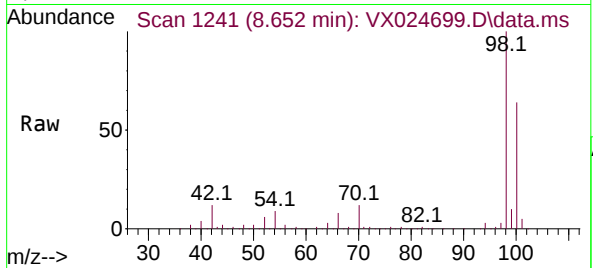




#50
Toluene-d8
Concen: 51.450 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. -0.001 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

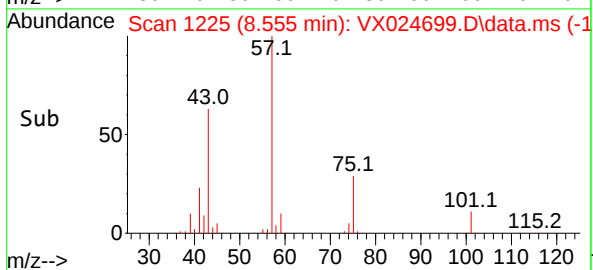
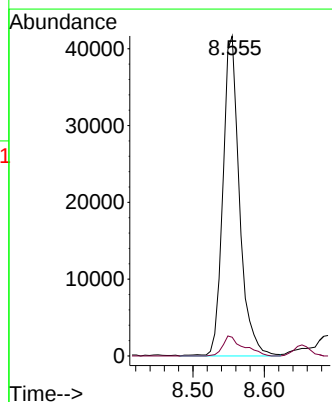
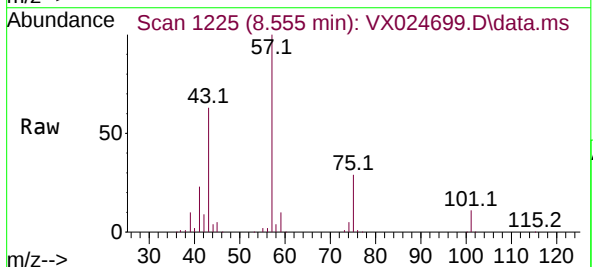
Instrument :
MSVOA_X
ClientSampled :

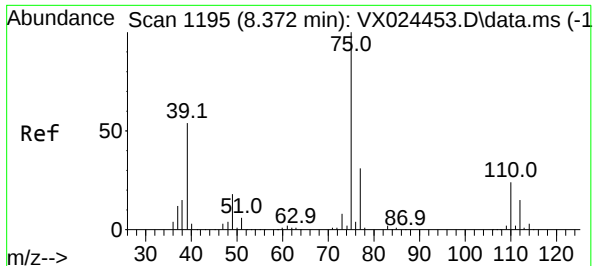
Tgt Ion: 98 Resp: 289779
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 24.260 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

Tgt Ion: 43 Resp: 67130
Ion Ratio Lower Upper
43 100
58 7.7 35.4 53.0#

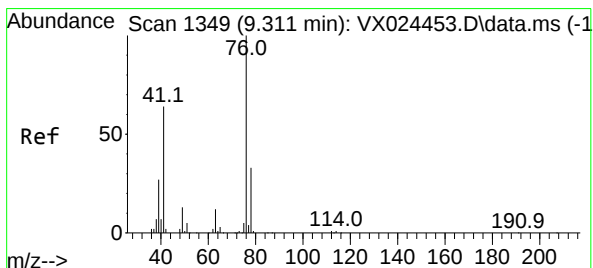
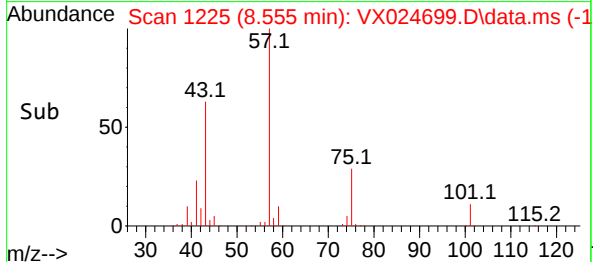
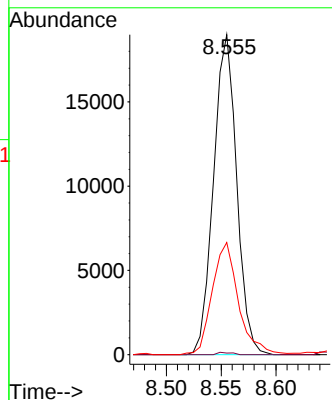
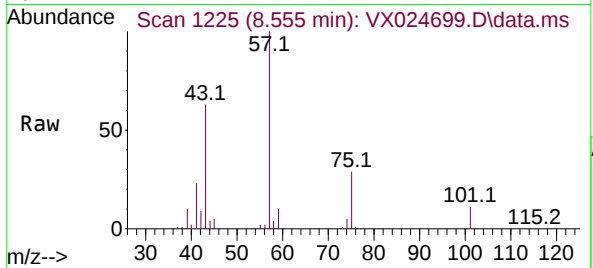




#54
 cis-1,3-Dichloropropene
 Concen: 10.798 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX024699.D
 Acq: 09 Oct 2021 03:43

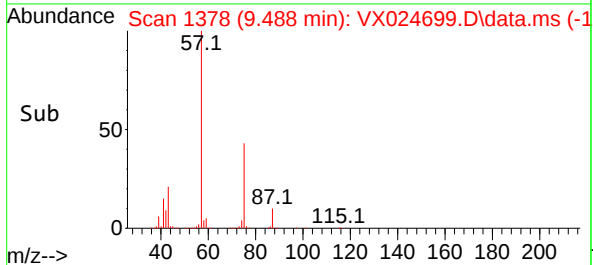
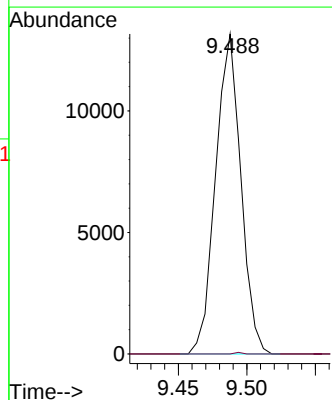
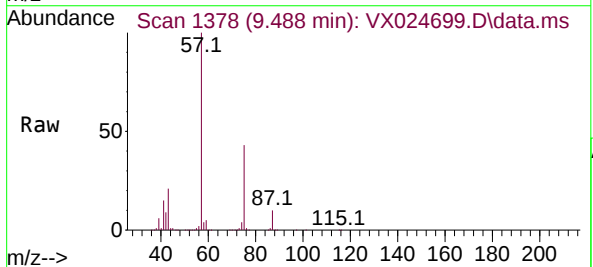
Instrument :
 MSVOA_X
 ClientSampled :

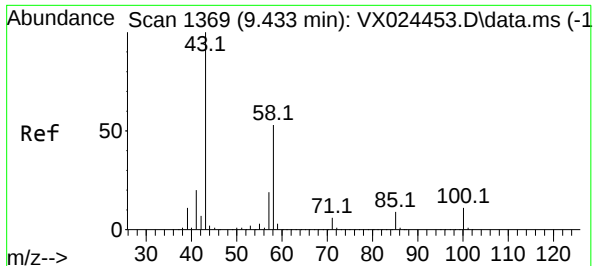
Tgt Ion: 75 Resp: 27861
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.7 38.5#
 39 35.0 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 5.925 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX024699.D
 Acq: 09 Oct 2021 03:43

Tgt Ion: 76 Resp: 16862
 Ion Ratio Lower Upper
 76 100
 78 0.1 26.2 39.2#

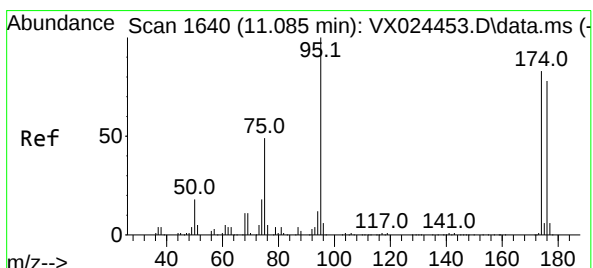
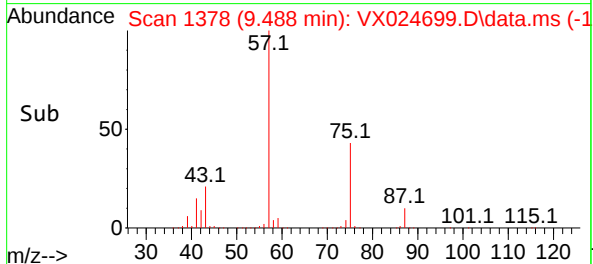
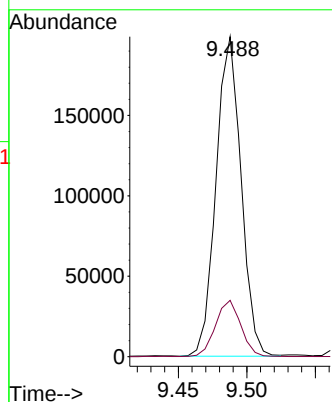
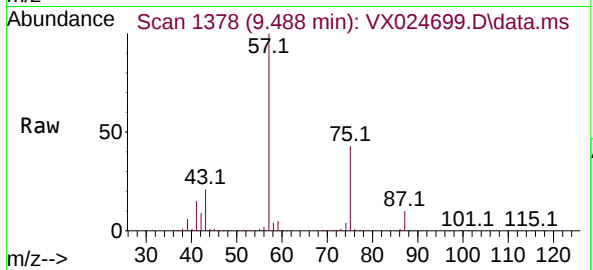




#59
2-Hexanone
Concen: 115.612 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

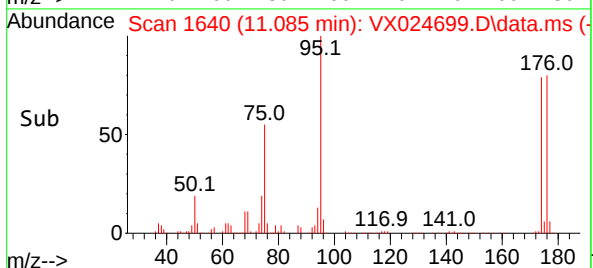
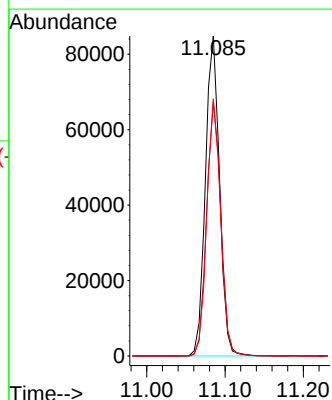
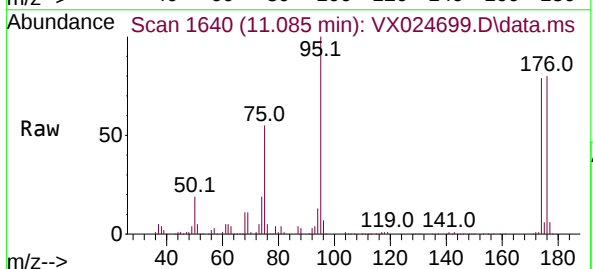
Instrument :
MSVOA_X
ClientSampled :

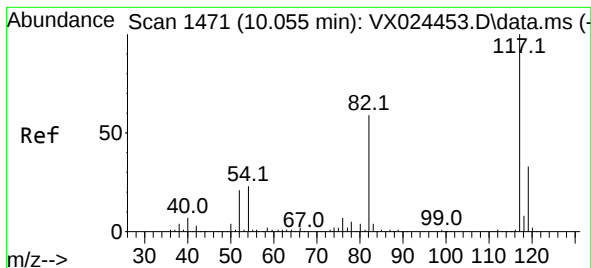
Tgt Ion: 43 Resp: 251939
Ion Ratio Lower Upper
43 100
58 17.9 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 47.815 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

Tgt Ion: 95 Resp: 105887
Ion Ratio Lower Upper
95 100
174 80.1 0.0 154.6
176 78.3 0.0 155.8

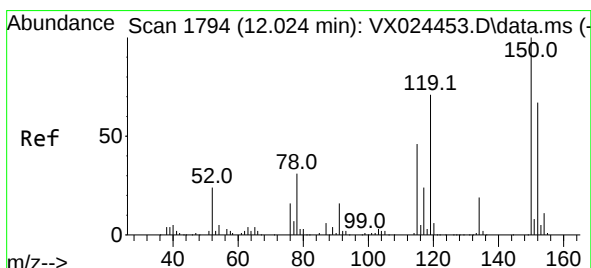
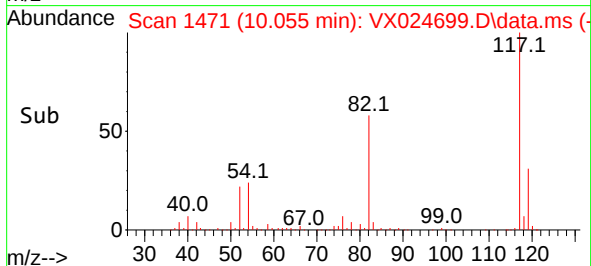
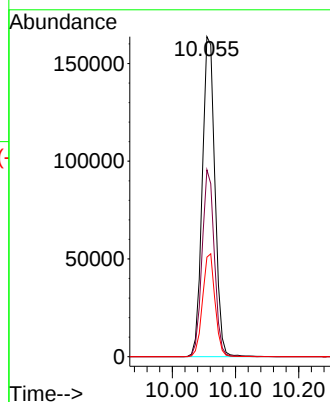
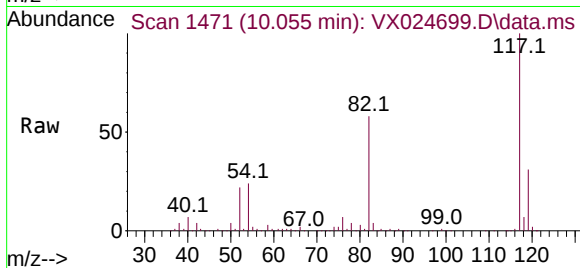




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

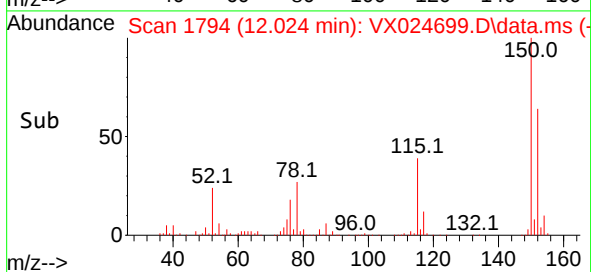
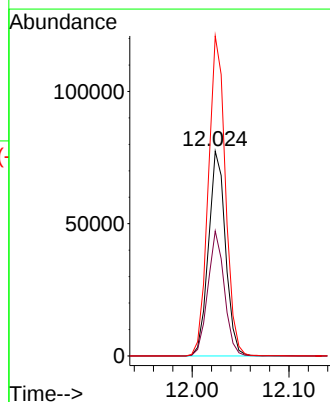
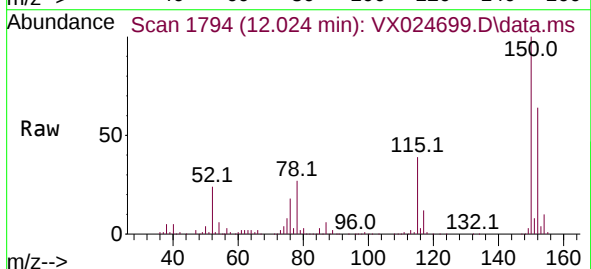
Instrument :
MSVOA_X
ClientSampled :

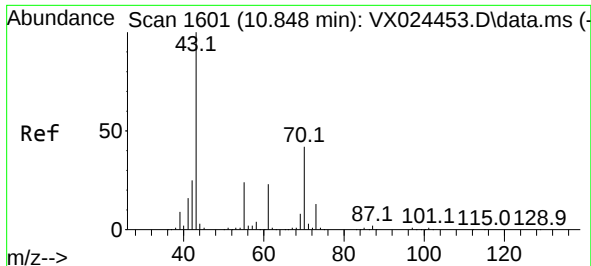
Tgt Ion:117 Resp: 228226
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 31.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

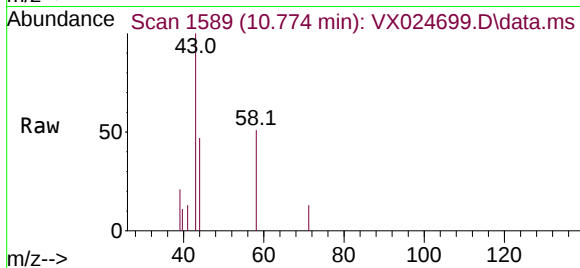
Tgt Ion:152 Resp: 94756
Ion Ratio Lower Upper
152 100
115 59.1 41.1 123.3
150 157.1 0.0 349.0



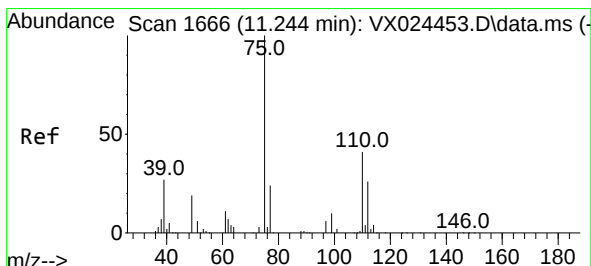
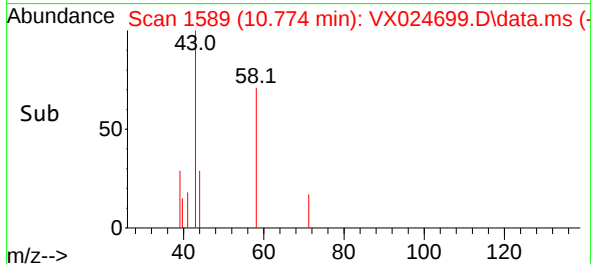
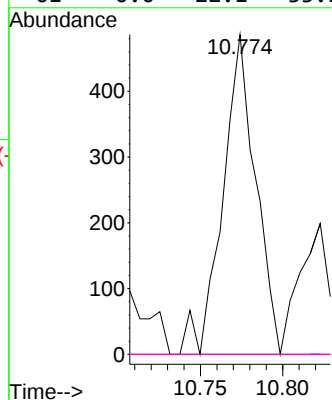


#74
N-amy1 acetate
Concen: 0.220 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

Instrument :
MSVOA_X
ClientSampled :

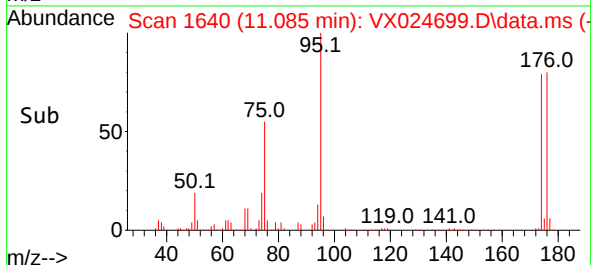
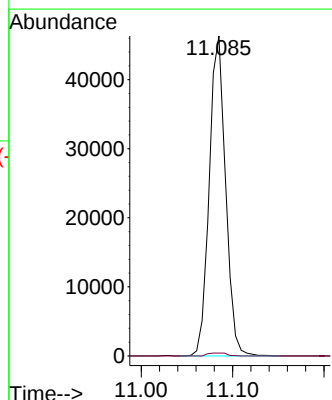
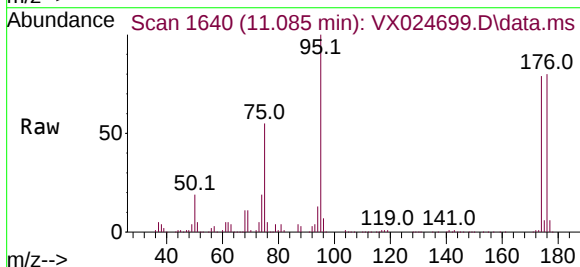


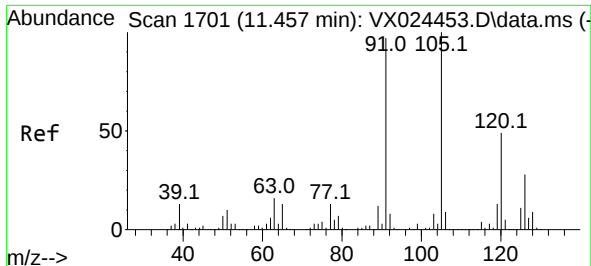
Tgt Ion: 43	Resp: 678
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.6#
55 0.0	21.5 32.3#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 26.683 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

Tgt Ion: 75	Resp: 57417
Ion Ratio	Lower Upper
75 100	
77 1.1	19.1 57.5#

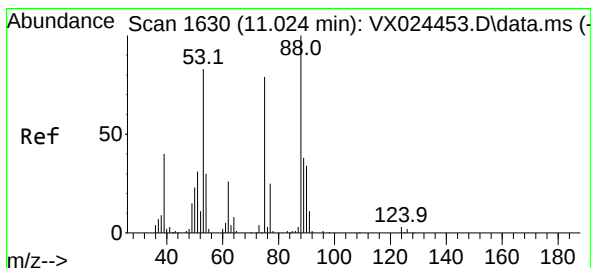
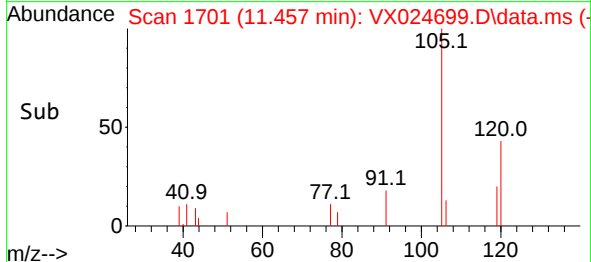
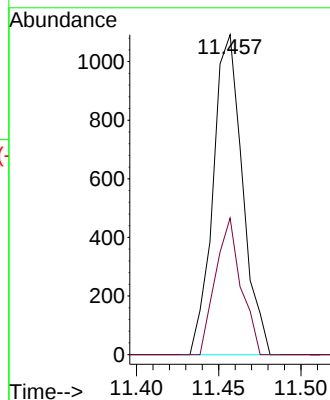
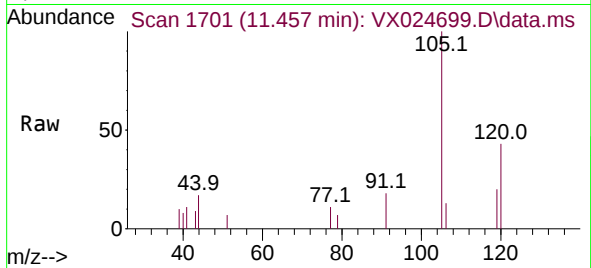




#80
1,3,5-Trimethylbenzene
Concen: 0.238 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:105 Resp: 1362
Ion Ratio Lower Upper
105 100
120 36.9 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 72.632 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024699.D
Acq: 09 Oct 2021 03:43

Tgt Ion: 75 Resp: 57417
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

