

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101122\
 Data File : VX032070.D
 Acq On : 12 Oct 2022 08:34
 Operator : JC/MD
 Sample : N5067-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B4(13-14)

Quant Time: Oct 12 13:27:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

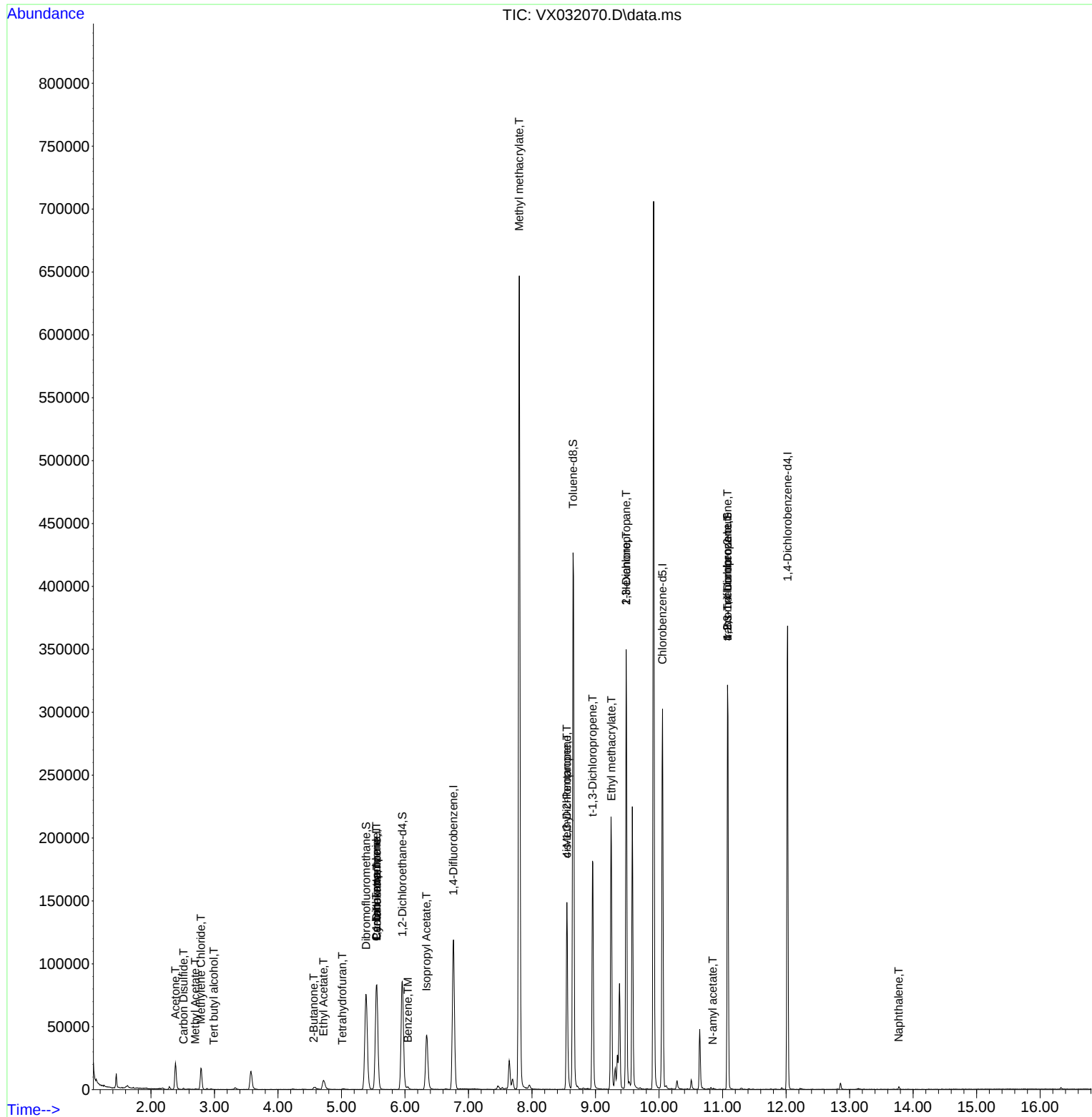
Internal Standards						
1) Pentafluorobenzene	5.556	168	76488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	117203	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83129	52.625	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.260%			
35) Dibromofluoromethane	5.385	113	63734	48.041	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.080%			
50) Toluene-d8	8.647	98	244341	51.184	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.360%			
62) 4-Bromofluorobenzene	11.079	95	80496	47.696	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.400%			
Target Compounds						Qvalue
5) Bromomethane	1.617	94	232	Below Cal	#	67
11) Tert butyl alcohol	2.989	59	71	0.361	ug/l #	73
13) Acrolein	2.233	56	29	Below Cal	#	15
16) Acetone	2.386	43	23590	43.941	ug/l	98
17) Carbon Disulfide	2.514	76	1120	0.448	ug/l #	75
18) Methyl Acetate	2.697	43	899	0.508	ug/l #	80
20) Methylene Chloride	2.788	84	7757	5.498	ug/l #	93
25) 2-Butanone	4.562	43	3285	3.914	ug/l #	87
29) Tetrahydrofuran	5.013	42	162	0.299	ug/l #	58
31) Cyclohexane	5.556	56	1883	0.998	ug/l #	20
36) 1,1-Dichloropropene	5.550	75	6441	3.661	ug/l #	50
37) Ethyl Acetate	4.714	43	13058	7.884	ug/l	98
38) Carbon Tetrachloride	5.550	117	8523	4.738	ug/l #	18
40) Benzene	6.043	78	1989	0.386	ug/l	95
43) Isopropyl Acetate	6.336	43	58447	23.259	ug/l	99
48) Methyl methacrylate	7.799	41	58491	48.711	ug/l #	46
49) 1,4-Dioxane	7.805	88	21	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.549	43	50334	30.226	ug/l #	50
53) t-1,3-Dichloropropene	8.951	75	453	1.450	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	22496	12.256	ug/l #	67
56) Ethyl methacrylate	9.250	69	556	0.305	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2940	1.287	ug/l #	43
59) 2-Hexanone	9.482	43	39434	32.116	ug/l #	53
74) N-amyl acetate	10.847	43	380	0.231	ug/l #	58
76) 1,2,3-Trichloropropane	11.079	75	45379	31.054	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	45379	105.867	ug/l #	11
95) Naphthalene	13.774	128	1735	0.333	ug/l #	93

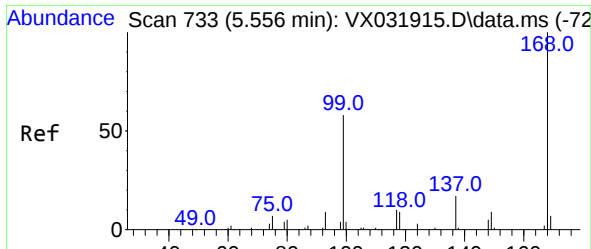
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101122\
Data File : VX032070.D
Acq On : 12 Oct 2022 08:34
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B4(13-14)

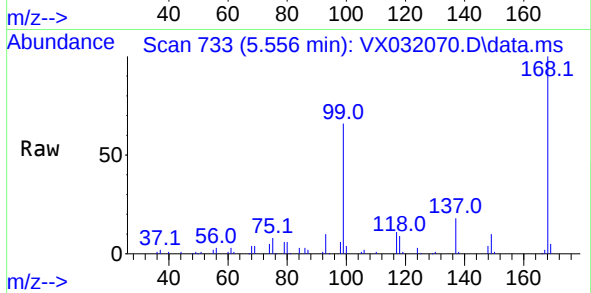
Quant Time: Oct 12 13:27:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 14:28:46 2022
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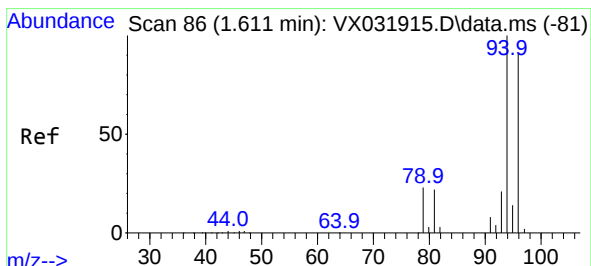
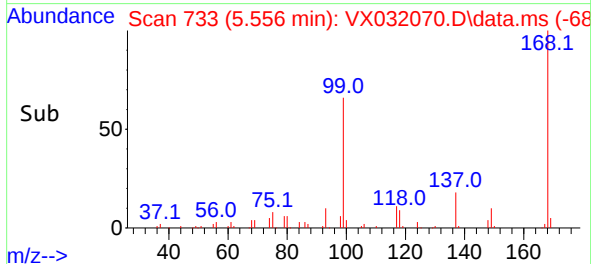
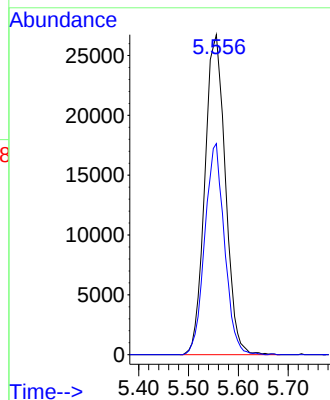


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

Instrument :
MSVOA_X
ClientSampleId :
B4(13-14)

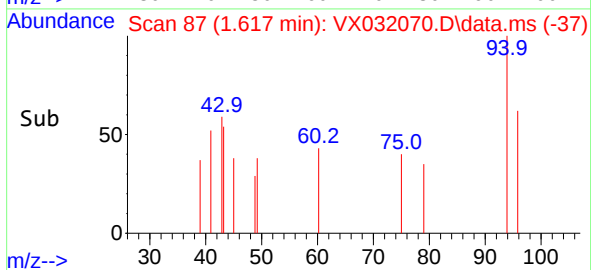
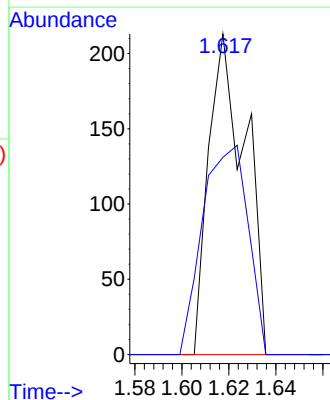
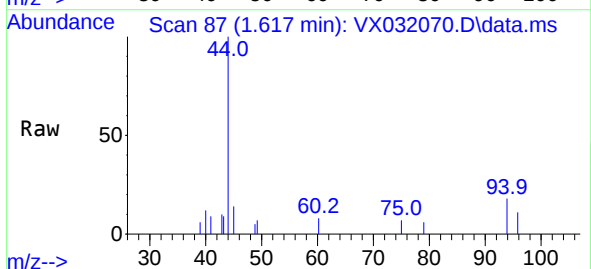


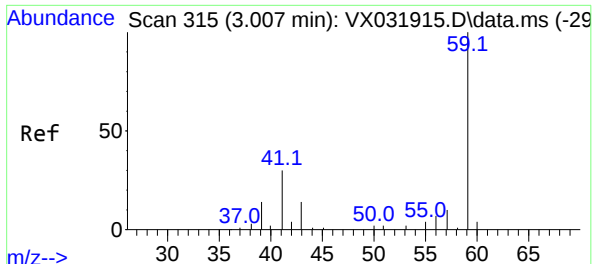
Tgt Ion:168 Resp: 76488
Ion Ratio Lower Upper
168 100
99 66.0 48.8 73.2



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

Tgt Ion: 94 Resp: 232
Ion Ratio Lower Upper
94 100
96 61.5 74.4 111.6#

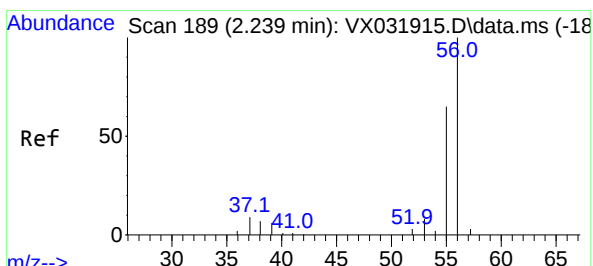
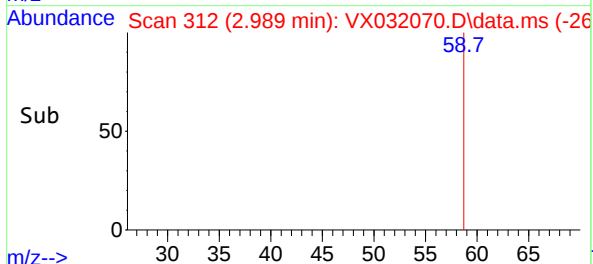
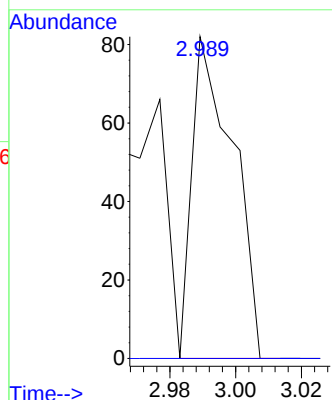
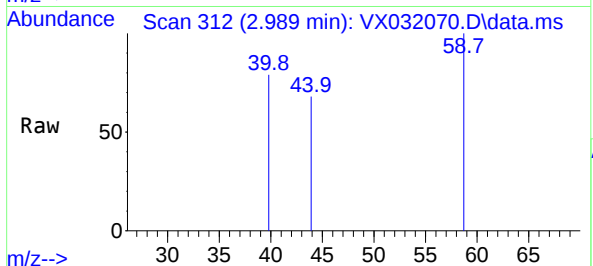




#11
Tert butyl alcohol
Concen: 0.361 ug/l
RT: 2.989 min Scan# 31
Delta R.T. -0.018 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

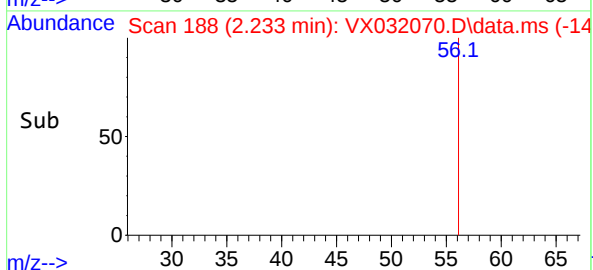
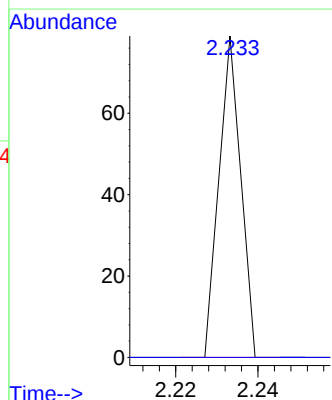
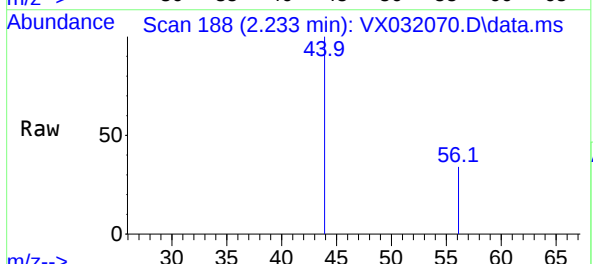
Instrument :
MSVOA_X
ClientSampleId :
B4(13-14)

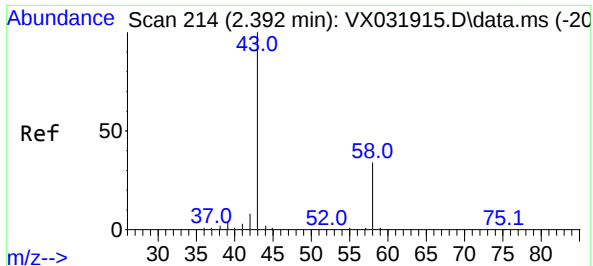
Tgt Ion: 59 Resp: 71
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

Tgt Ion: 56 Resp: 29
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#

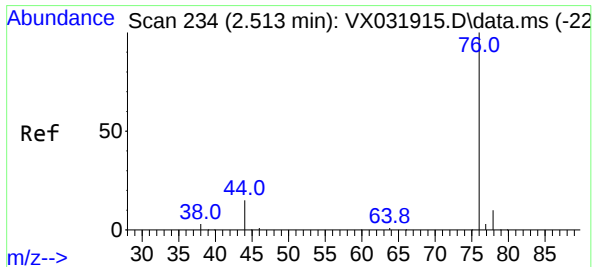
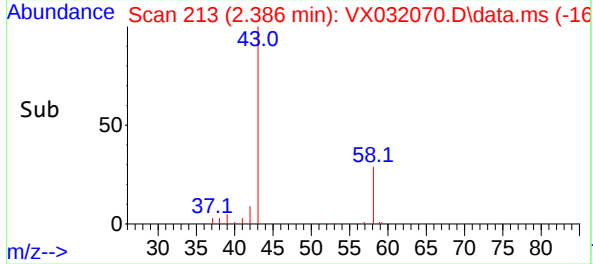
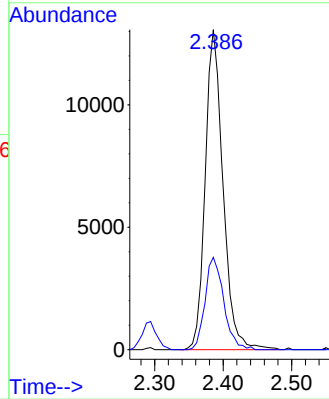
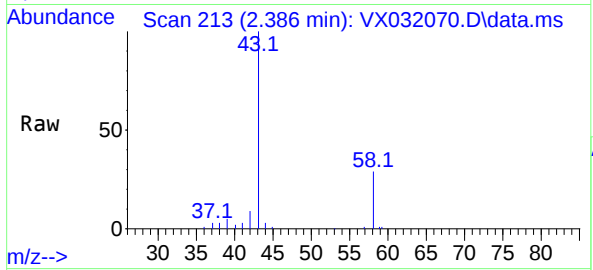




#16
Acetone
Concen: 43.941 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

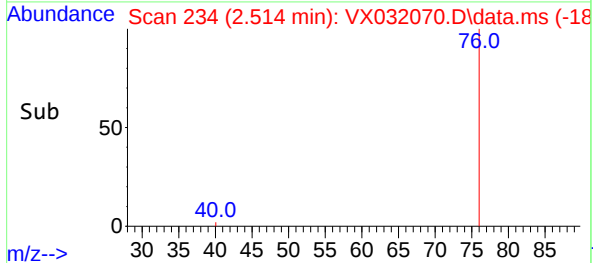
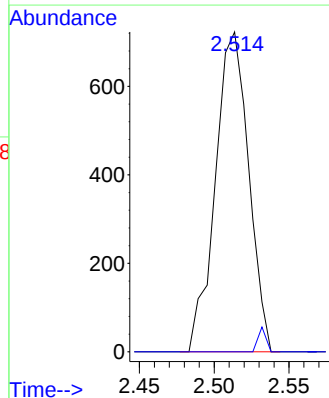
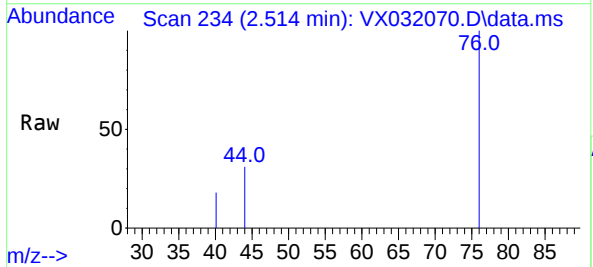
Instrument :
MSVOA_X
ClientSampleId :
B4(13-14)

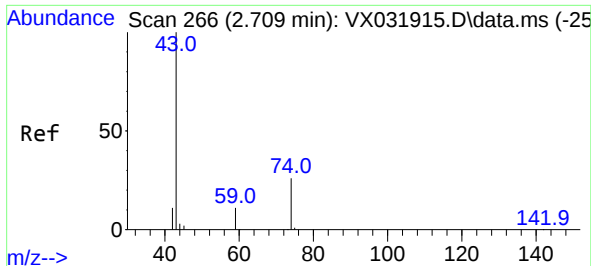
Tgt Ion: 43 Resp: 23590
Ion Ratio Lower Upper
43 100
58 28.8 23.8 35.8



#17
Carbon Disulfide
Concen: 0.448 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.001 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

Tgt Ion: 76 Resp: 1120
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

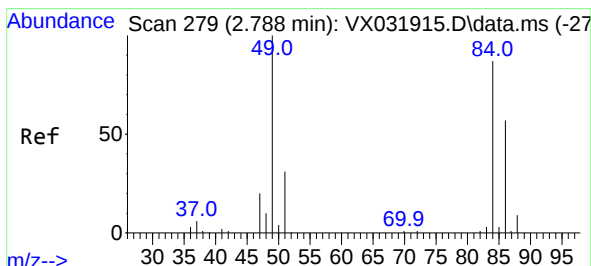
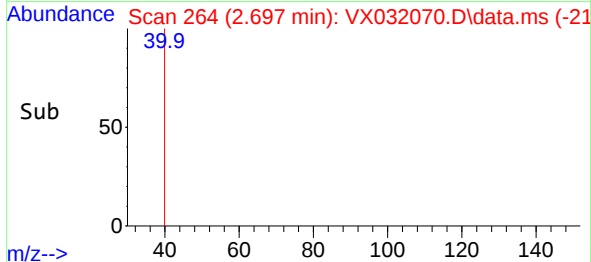
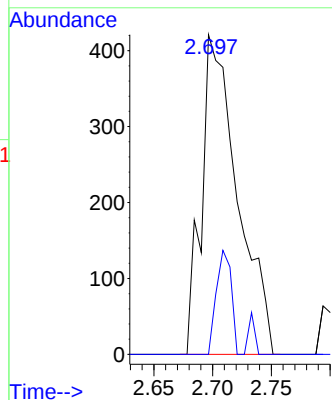
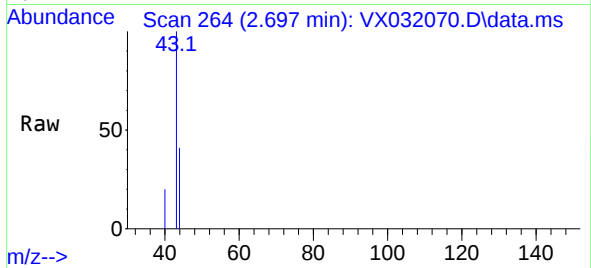




#18
Methyl Acetate
Concen: 0.508 ug/l
RT: 2.697 min Scan# 20
Delta R.T. -0.012 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

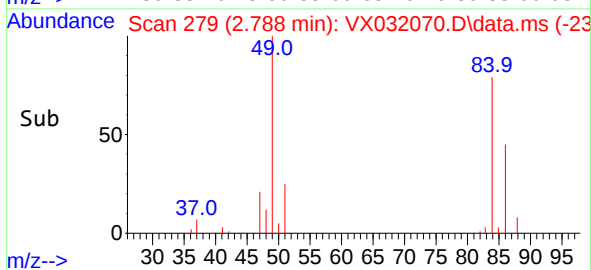
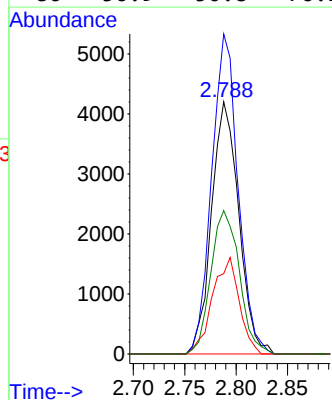
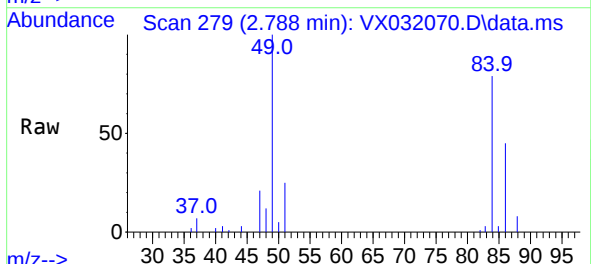
Instrument :
MSVOA_X
ClientSampleId :
B4(13-14)

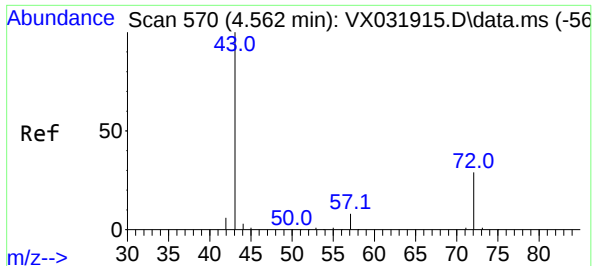
Tgt Ion: 43 Resp: 899
Ion Ratio Lower Upper
43 100
74 13.5 18.6 27.8#



#20
Methylene Chloride
Concen: 5.498 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

Tgt Ion: 84 Resp: 7757
Ion Ratio Lower Upper
84 100
49 126.9 105.9 158.9
51 31.8 32.2 48.2#
86 56.9 50.8 76.2

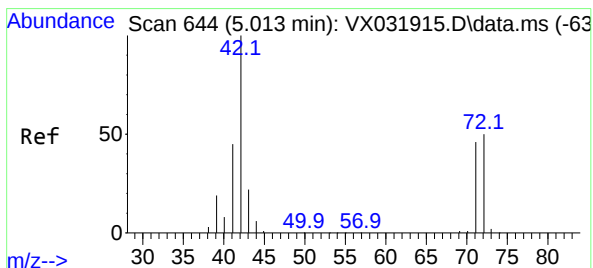
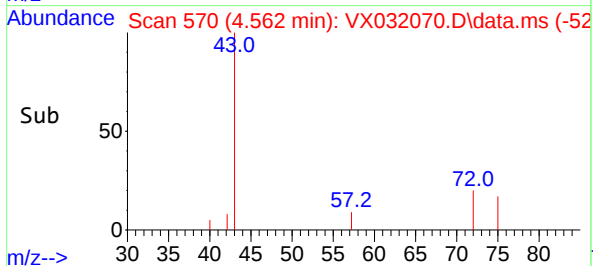
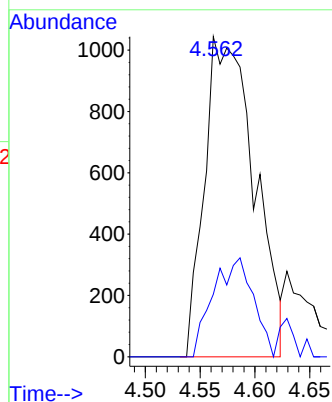
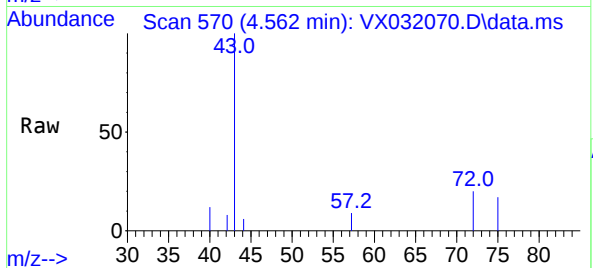




#25
2-Butanone
Concen: 3.914 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

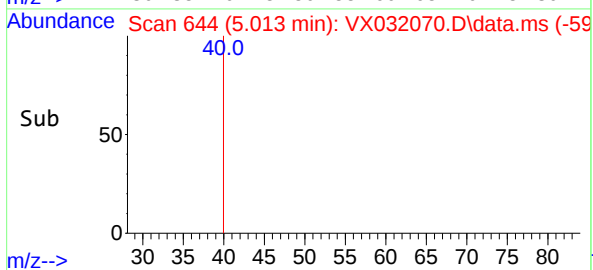
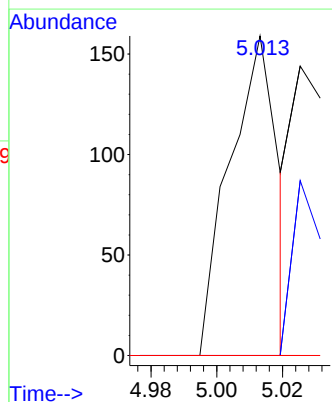
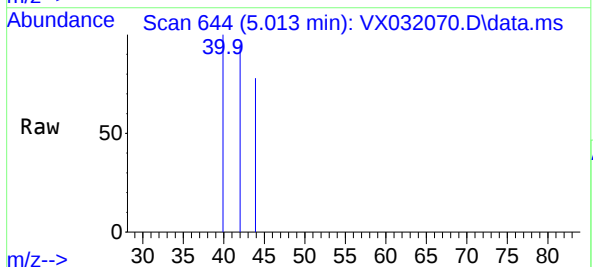
Instrument :
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ClientSampleId :
B4(13-14)

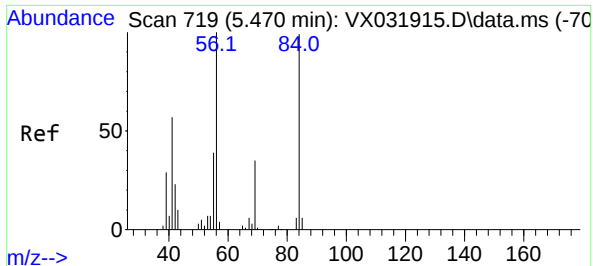
Tgt Ion: 43 Resp: 3285
Ion Ratio Lower Upper
43 100
72 19.5 21.1 31.7#



#29
Tetrahydrofuran
Concen: 0.299 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.000 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

Tgt Ion: 42 Resp: 162
Ion Ratio Lower Upper
42 100
72 32.7 36.4 54.6#
71 0.0 33.5 50.3#

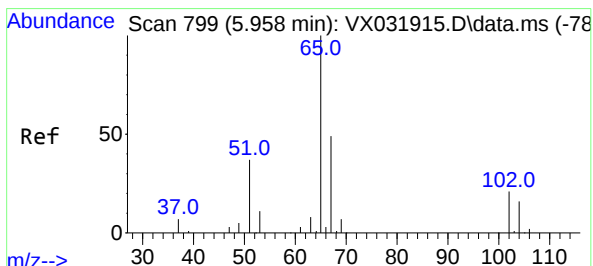
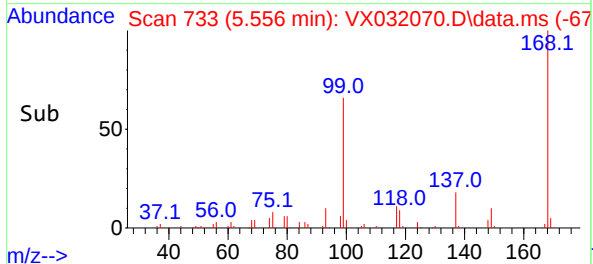
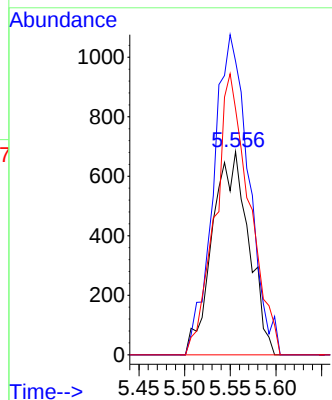
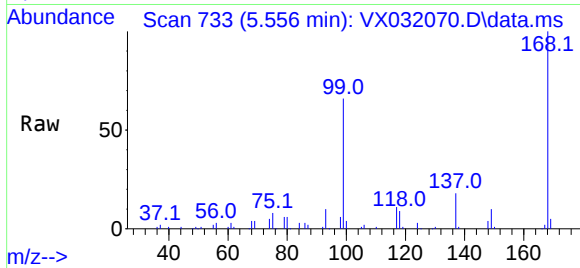




#31
Cyclohexane
Concen: 0.998 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

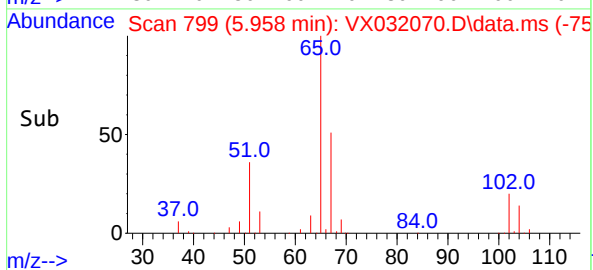
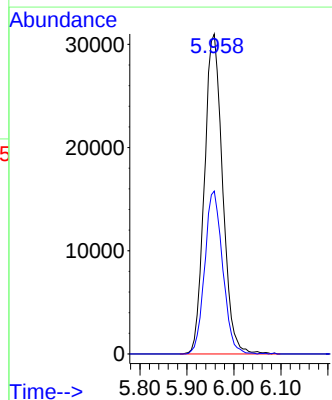
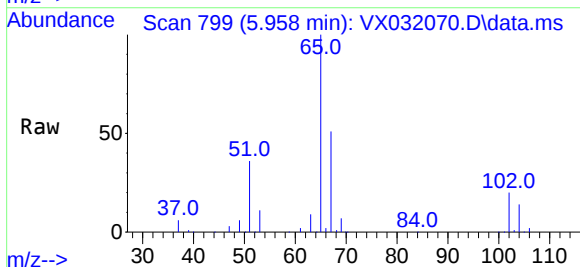
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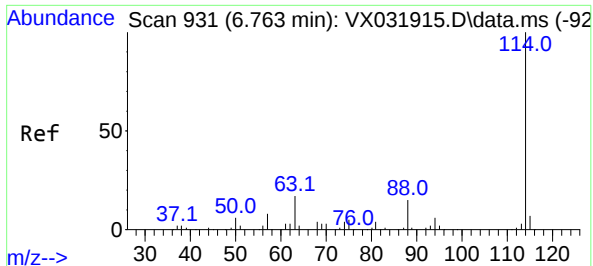
Tgt Ion: 56 Resp: 1883
Ion Ratio Lower Upper
56 100
69 144.5 25.1 37.7#
84 120.9 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 52.625 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

Tgt Ion: 65 Resp: 83129
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.4

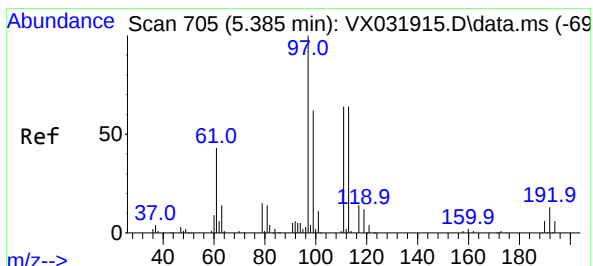
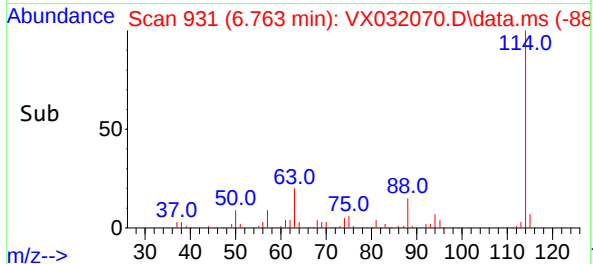
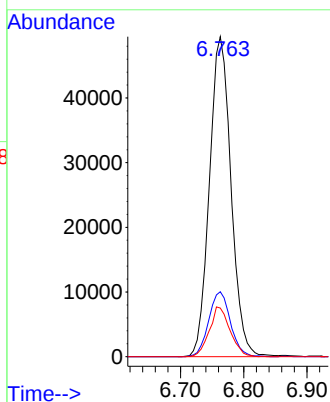
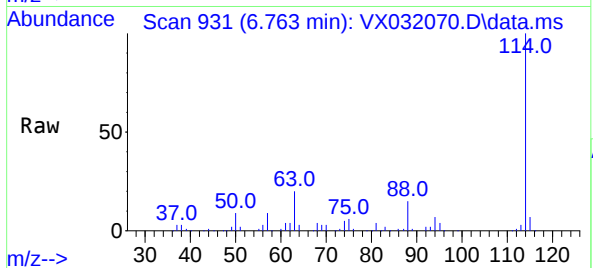




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

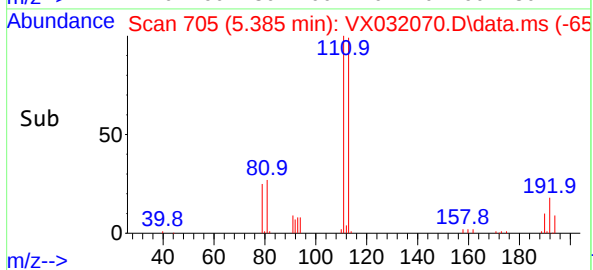
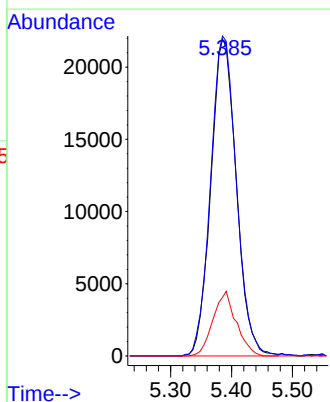
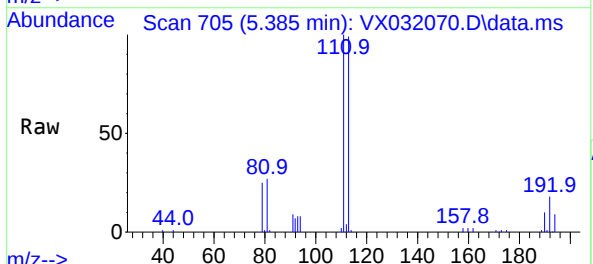
Instrument :
MSVOA_X
ClientSampleId :
B4(13-14)

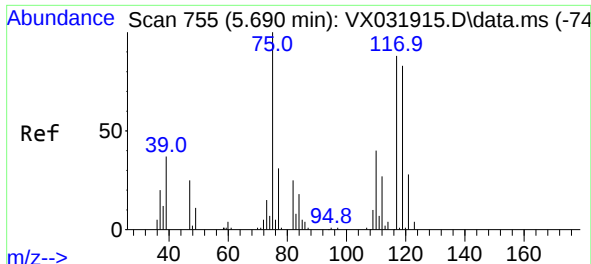
Tgt Ion:114 Resp: 117203
Ion Ratio Lower Upper
114 100
63 20.3 0.0 42.6
88 15.2 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.041 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

Tgt Ion:113 Resp: 63734
Ion Ratio Lower Upper
113 100
111 102.4 82.4 123.6
192 18.6 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.661 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX032070.D

Acq: 12 Oct 2022 08:34

Instrument :

MSVOA_X

ClientSampleId :

B4(13-14)

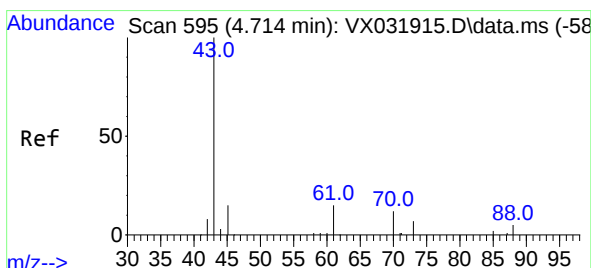
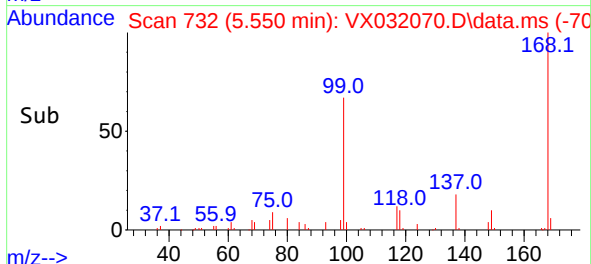
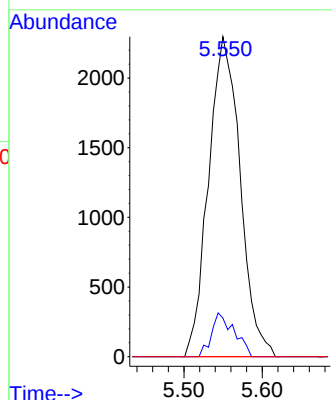
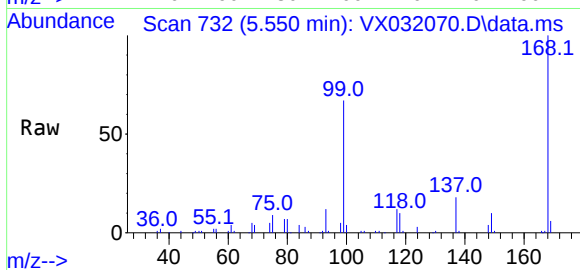
Tgt Ion: 75 Resp: 6441

Ion Ratio Lower Upper

75 100

110 9.8 17.5 52.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 7.884 ug/l

RT: 4.714 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX032070.D

Acq: 12 Oct 2022 08:34

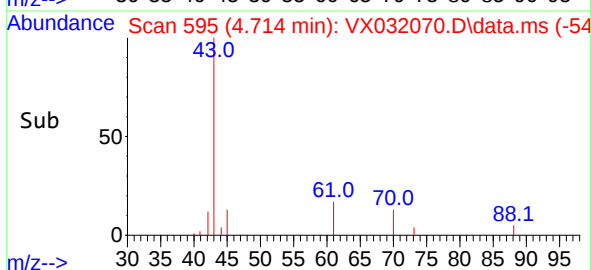
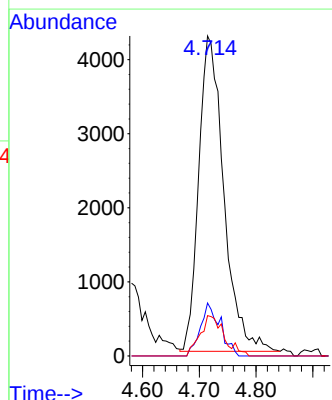
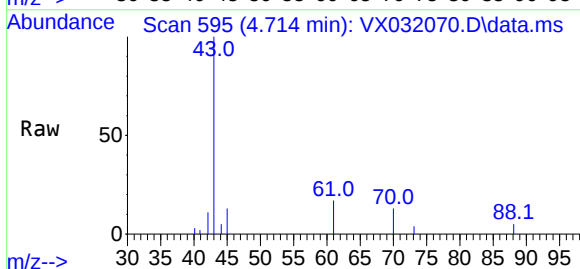
Tgt Ion: 43 Resp: 13058

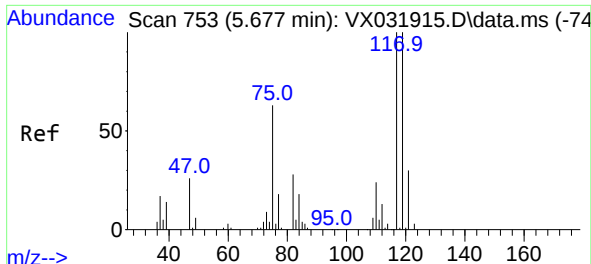
Ion Ratio Lower Upper

43 100

61 13.3 11.1 16.7

70 12.2 8.6 13.0

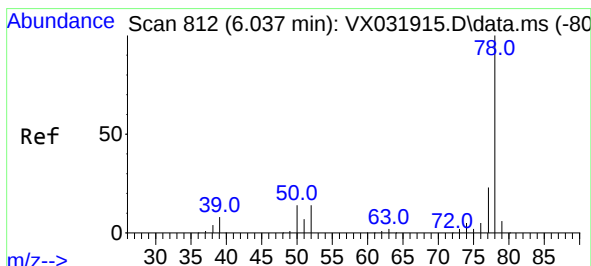
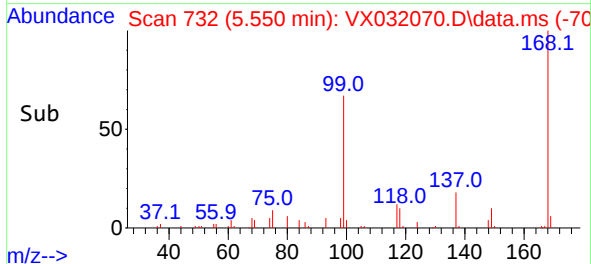
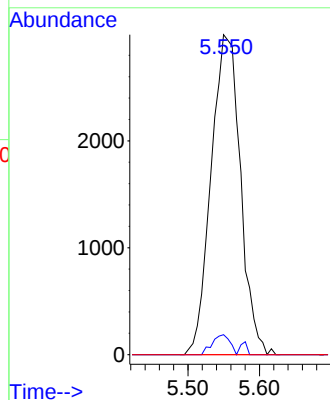
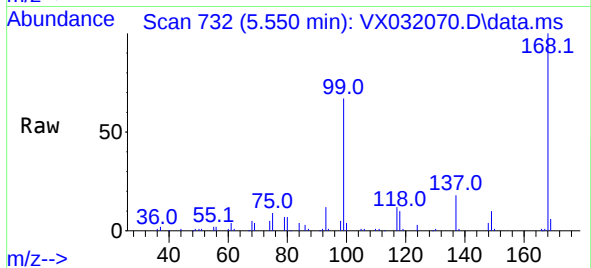




#38
Carbon Tetrachloride
Concen: 4.738 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

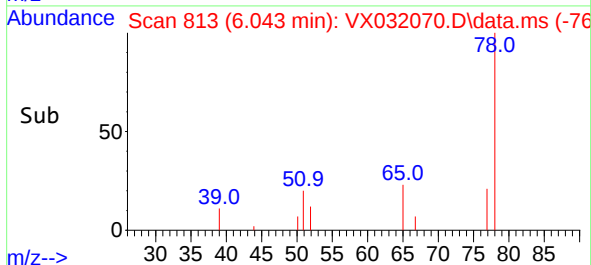
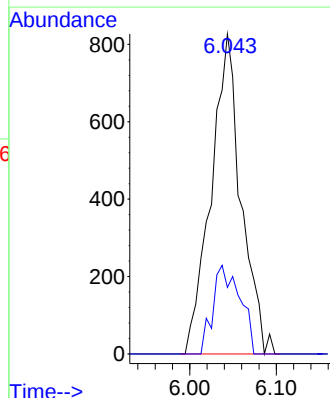
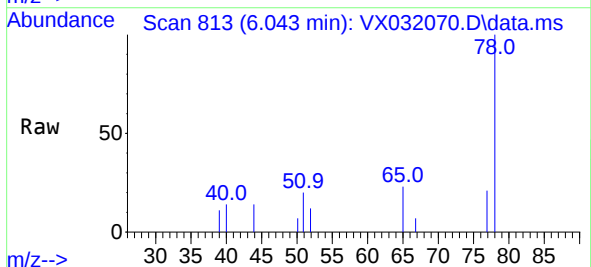
Instrument :
MSVOA_X
ClientSampleId :
B4(13-14)

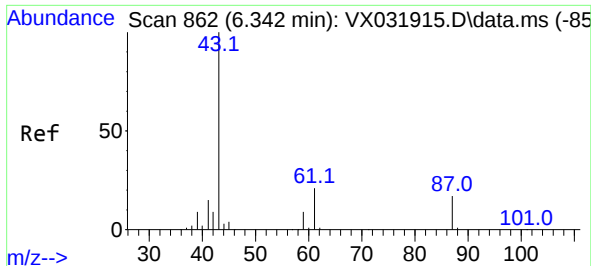
Tgt Ion:117 Resp: 8523
Ion Ratio Lower Upper
117 100
119 6.2 74.6 112.0#
121 0.0 25.3 37.9#



#40
Benzene
Concen: 0.386 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

Tgt Ion: 78 Resp: 1989
Ion Ratio Lower Upper
78 100
77 20.8 18.7 28.1

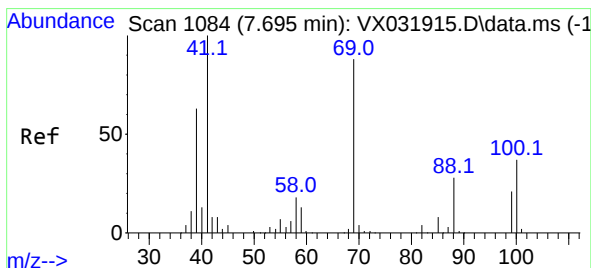
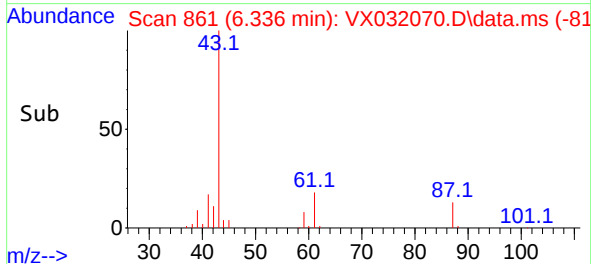
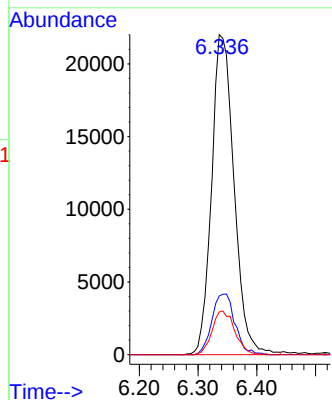
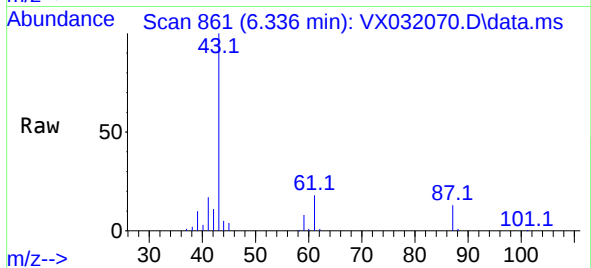




#43
Isopropyl Acetate
Concen: 23.259 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

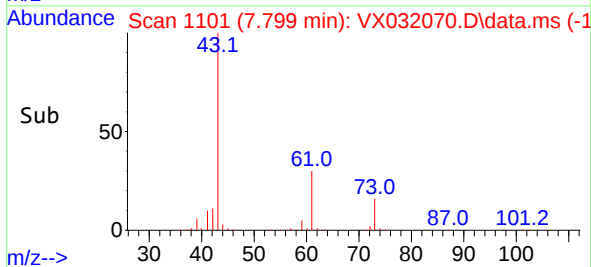
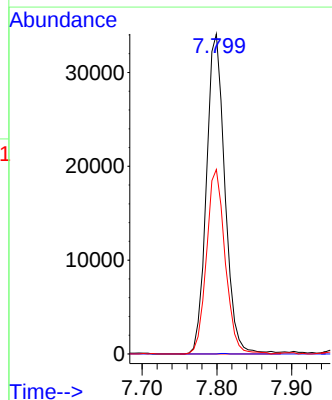
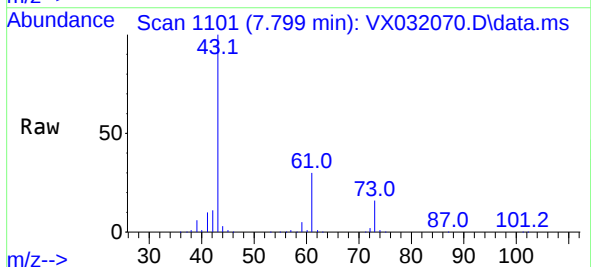
Instrument :
MSVOA_X
ClientSampleId :
B4(13-14)

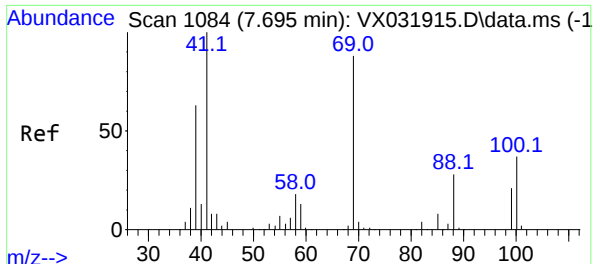
Tgt Ion: 43 Resp: 58447
Ion Ratio Lower Upper
43 100
61 19.4 15.3 22.9
87 13.7 10.6 15.8



#48
Methyl methacrylate
Concen: 48.711 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

Tgt Ion: 41 Resp: 58491
Ion Ratio Lower Upper
41 100
69 0.1 64.6 96.8#
39 58.1 51.4 77.0

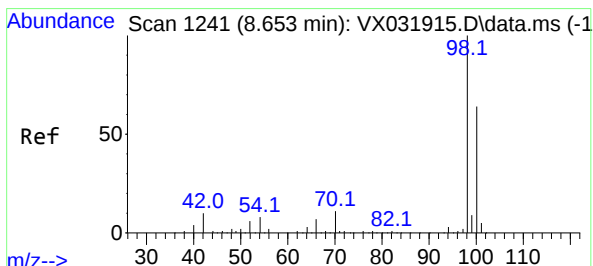
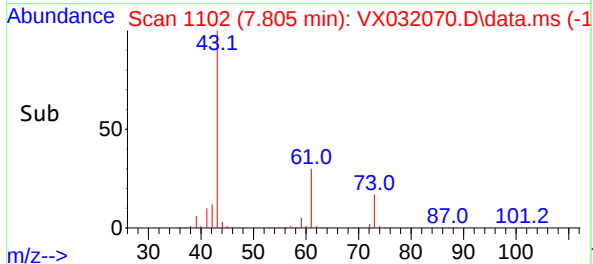
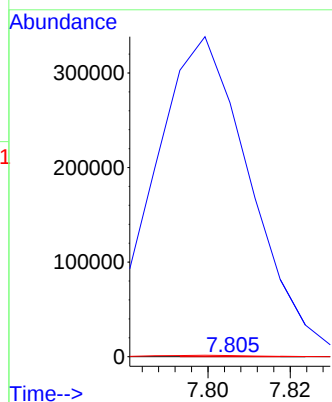
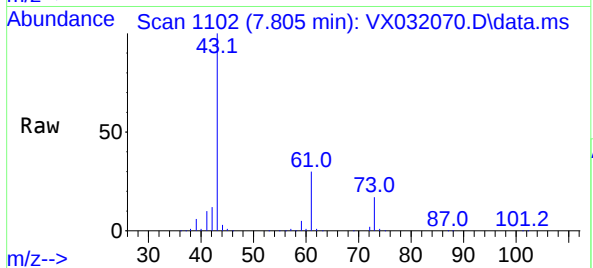




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.805 min Scan# 11
Delta R.T. 0.110 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

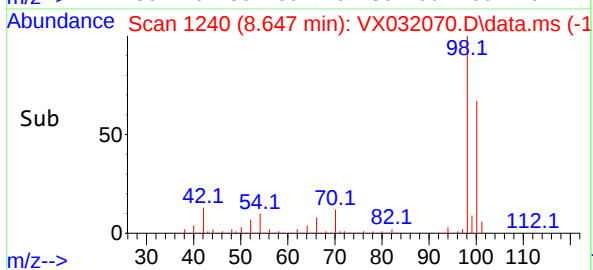
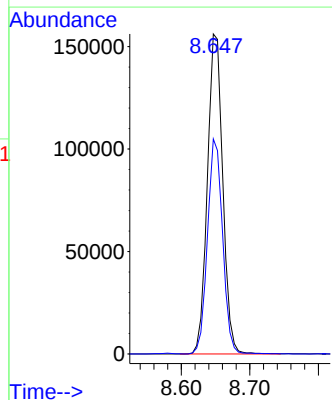
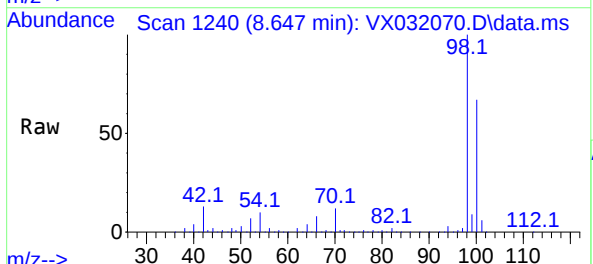
Instrument :
MSVOA_X
ClientSampleId :
B4(13-14)

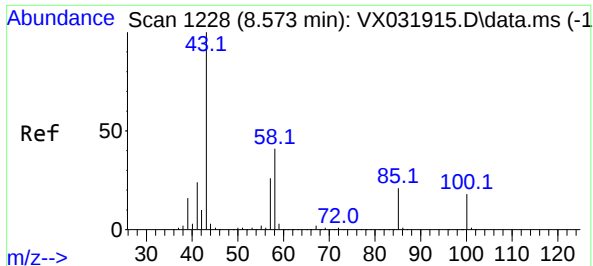
Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 2710795.2 27.1 40.7#
58 12190.5 53.9 80.9#



#50
Toluene-d8
Concen: 51.184 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

Tgt Ion: 98 Resp: 244341
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7

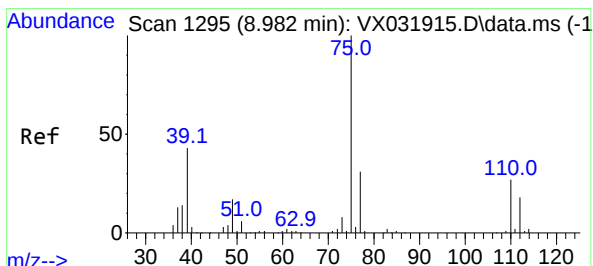
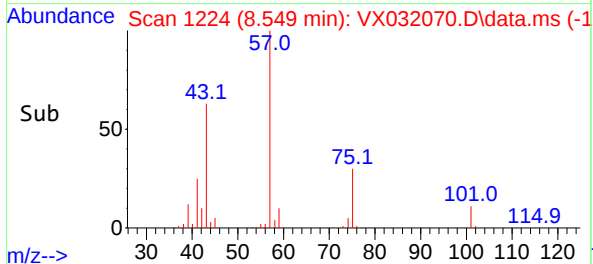
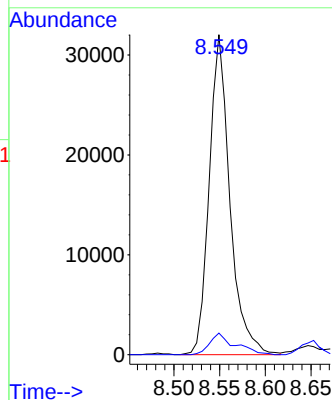
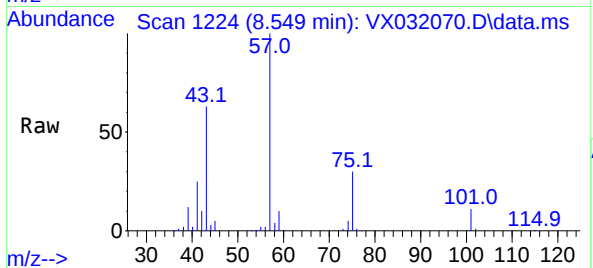




#51
4-Methyl-2-Pentanone
Concen: 30.226 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

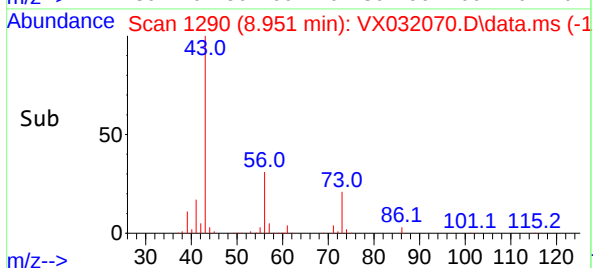
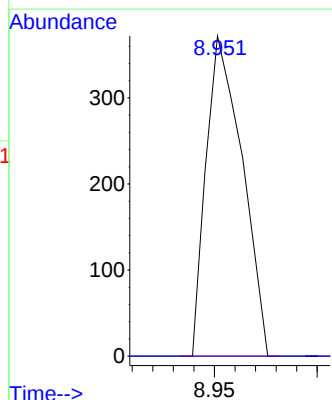
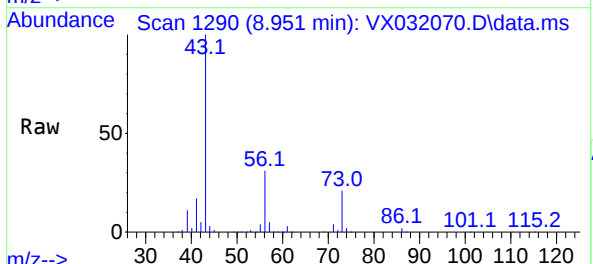
Instrument :
MSVOA_X
ClientSampleId :
B4(13-14)

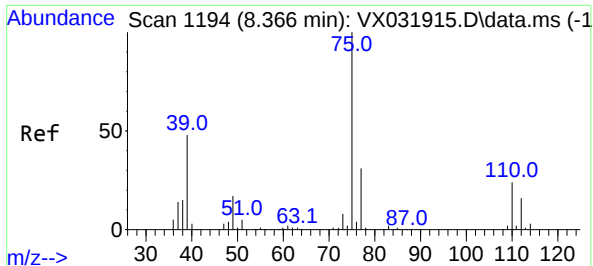
Tgt Ion: 43 Resp: 50334
Ion Ratio Lower Upper
43 100
58 8.2 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 1.450 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.031 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

Tgt Ion: 75 Resp: 453
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#





#54

cis-1,3-Dichloropropene

Concen: 12.256 ug/l

RT: 8.549 min Scan# 11

Delta R.T. 0.183 min

Lab File: VX032070.D

Acq: 12 Oct 2022 08:34

Instrument :

MSVOA_X

ClientSampleId :

B4(13-14)

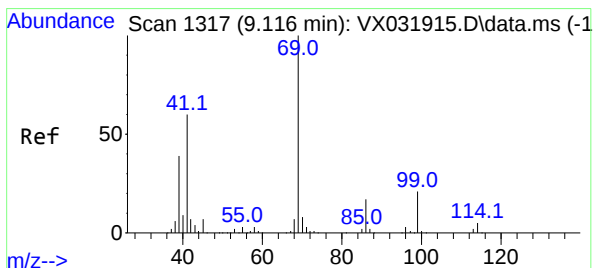
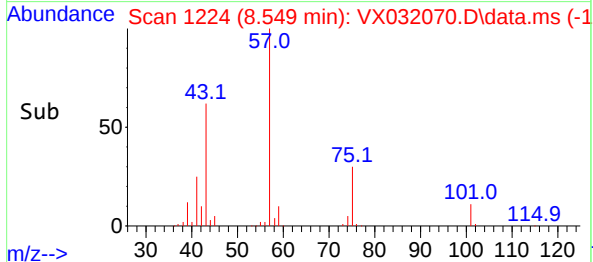
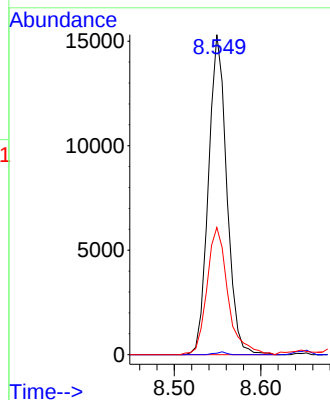
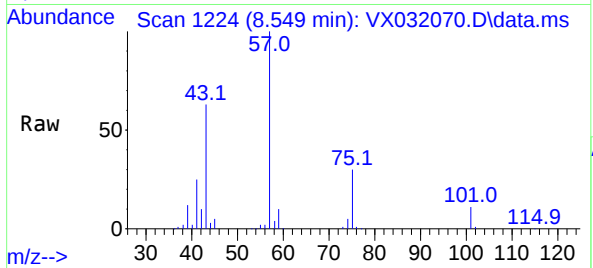
Tgt Ion: 75 Resp: 22496

Ion Ratio Lower Upper

75 100

77 0.4 24.4 36.6#

39 39.7 43.7 65.5#



#56

Ethyl methacrylate

Concen: 0.305 ug/l

RT: 9.250 min Scan# 1339

Delta R.T. 0.134 min

Lab File: VX032070.D

Acq: 12 Oct 2022 08:34

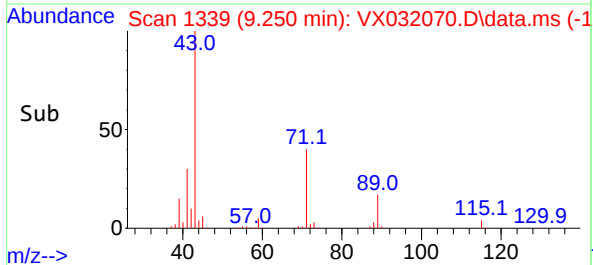
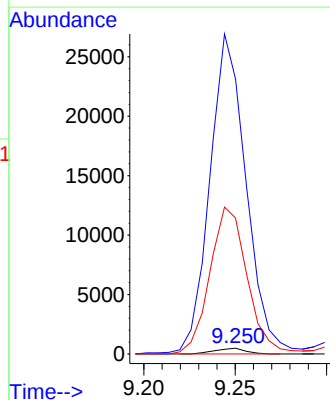
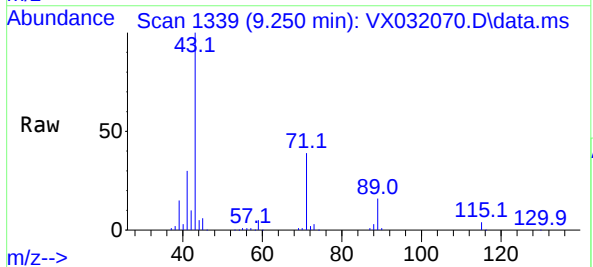
Tgt Ion: 69 Resp: 556

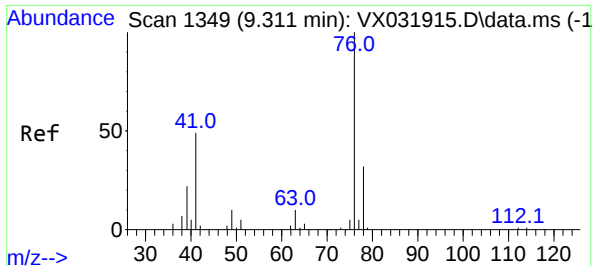
Ion Ratio Lower Upper

69 100

41 6726.1 54.2 81.4#

39 3165.3 34.2 51.2#

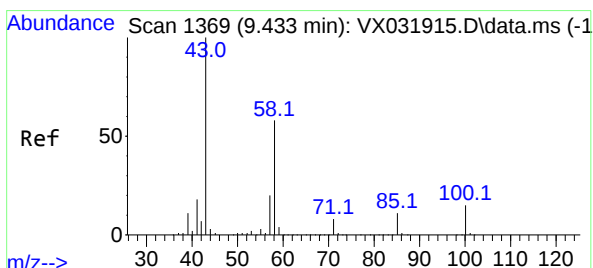
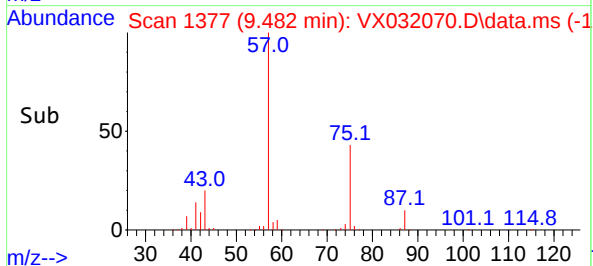
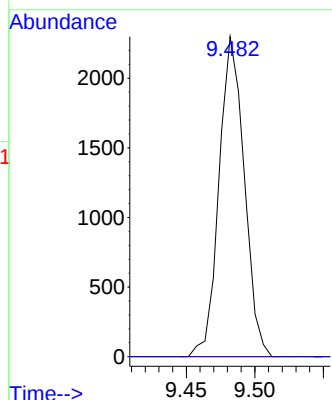
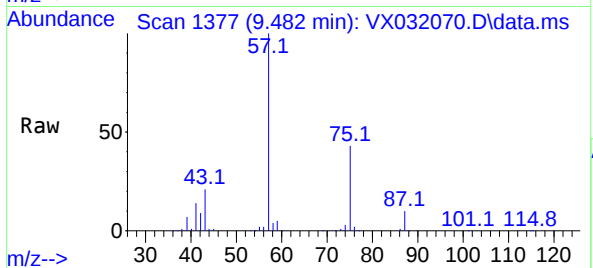




#57
1,3-Dichloropropane
Concen: 1.287 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

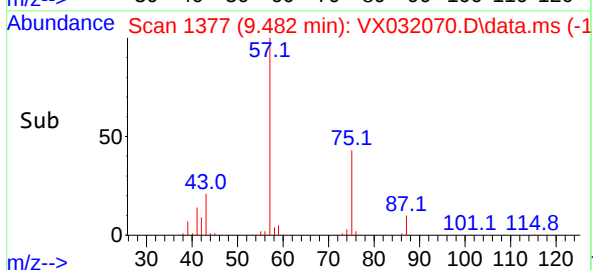
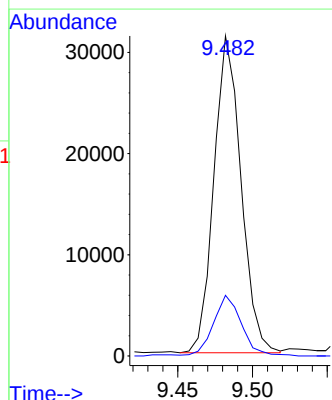
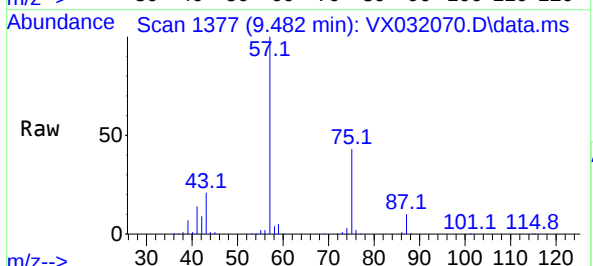
Instrument :
MSVOA_X
ClientSampleId :
B4(13-14)

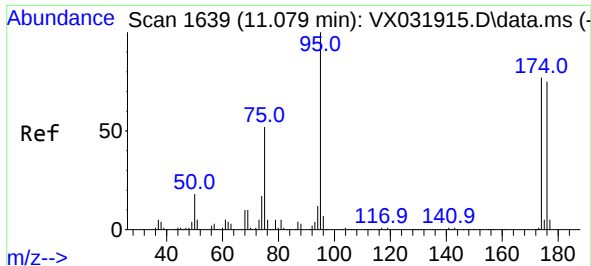
Tgt Ion: 76 Resp: 2940
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 32.116 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

Tgt Ion: 43 Resp: 39434
Ion Ratio Lower Upper
43 100
58 19.9 26.7 80.0#

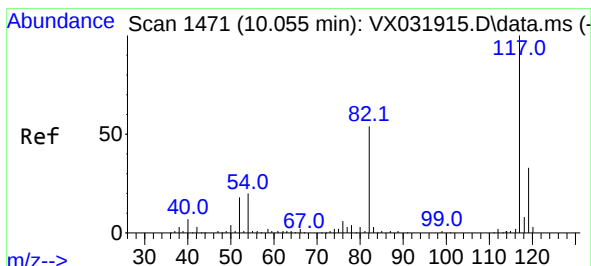
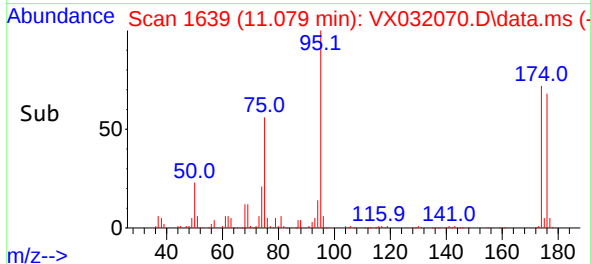
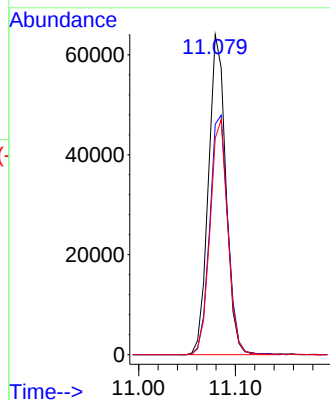
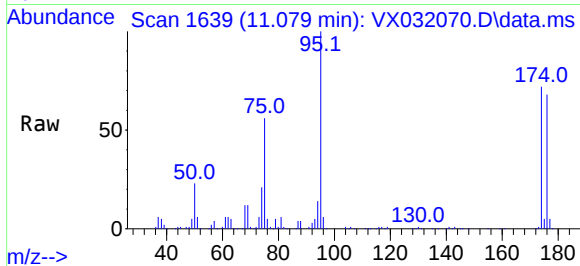




#62
4-Bromofluorobenzene
Concen: 47.696 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

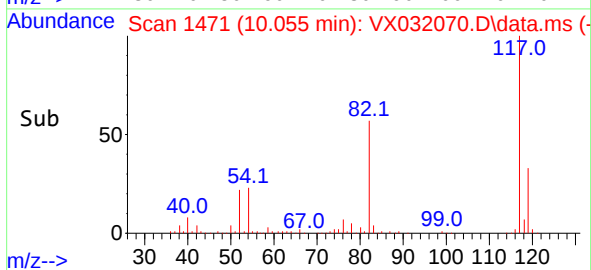
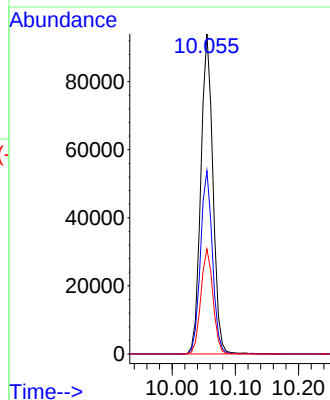
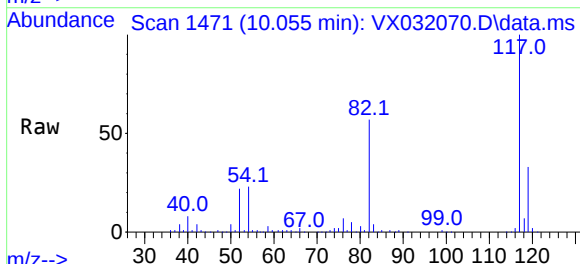
Instrument :
MSVOA_X
ClientSampleId :
B4(13-14)

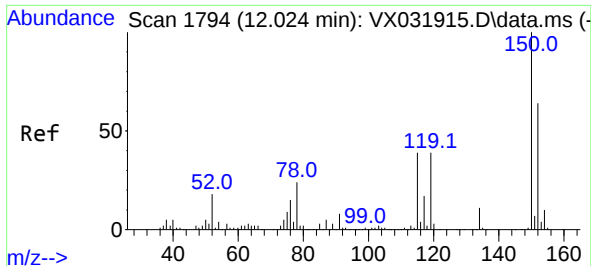
Tgt Ion: 95 Resp: 80496
Ion Ratio Lower Upper
95 100
174 78.1 0.0 153.2
176 74.5 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

Tgt Ion: 117 Resp: 125121
Ion Ratio Lower Upper
117 100
82 57.2 46.8 70.2
119 32.8 26.4 39.6

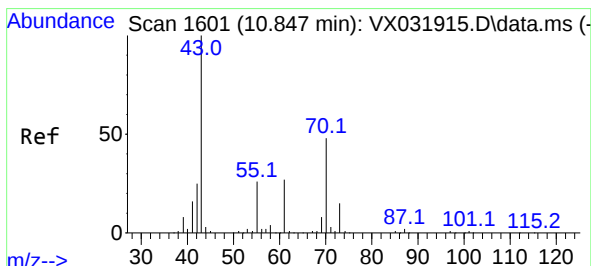
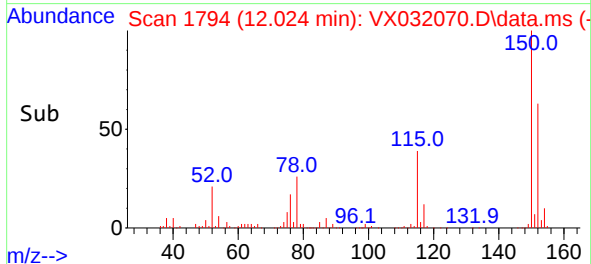
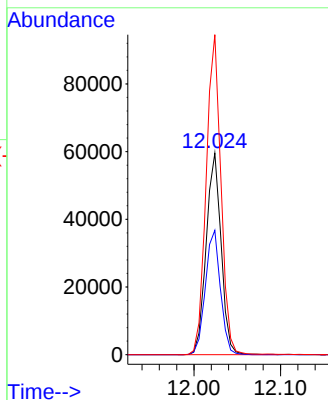
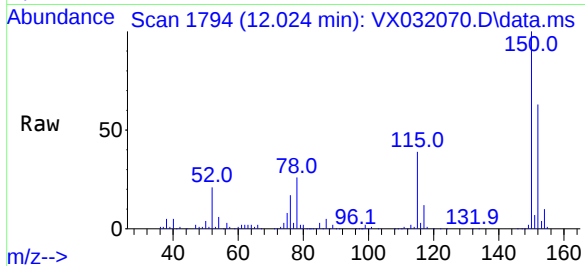




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

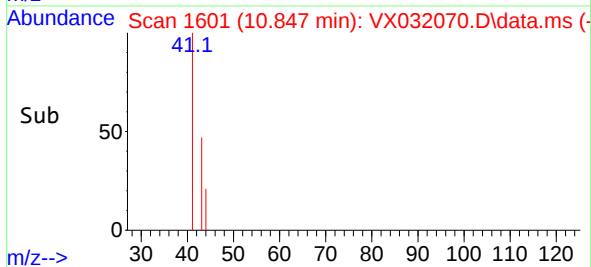
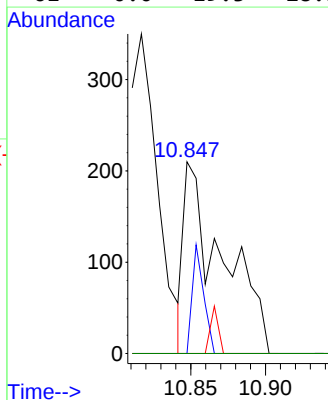
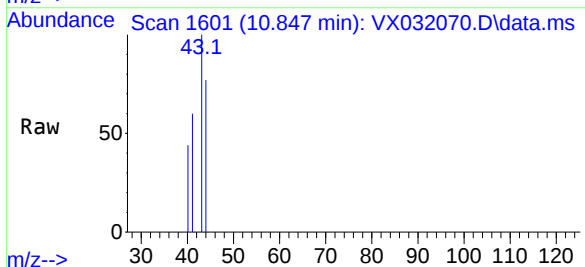
Instrument :
MSVOA_X
ClientSampleId :
B4(13-14)

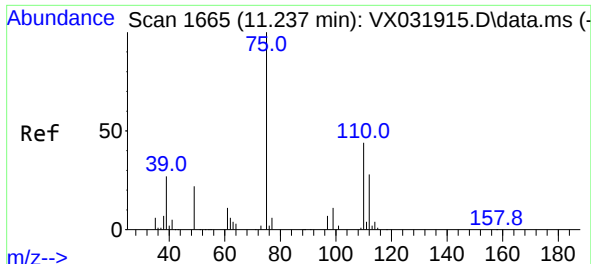
Tgt Ion:152 Resp: 71301
Ion Ratio Lower Upper
152 100
115 62.3 43.4 130.1
150 156.8 0.0 346.8



#74
N-ethyl acetate
Concen: 0.231 ug/l
RT: 10.847 min Scan# 1601
Delta R.T. 0.000 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

Tgt Ion: 43 Resp: 380
Ion Ratio Lower Upper
43 100
70 16.6 33.4 50.2#
55 5.0 18.2 27.2#
61 0.0 19.3 28.9#

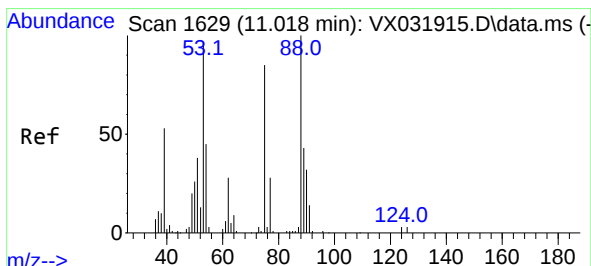
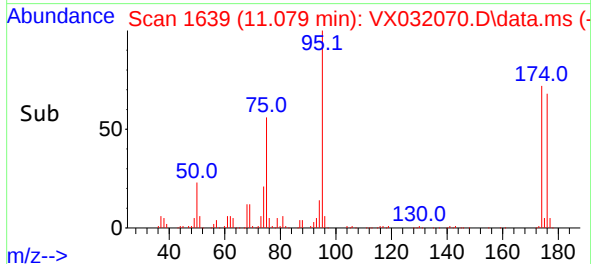
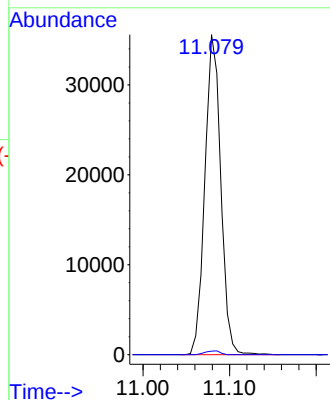
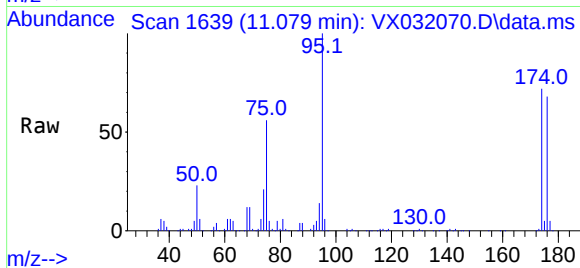




#76
1,2,3-Trichloropropane
Concen: 31.054 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

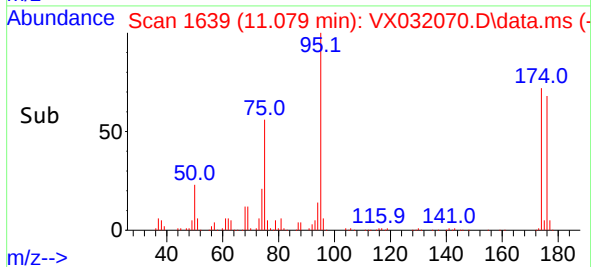
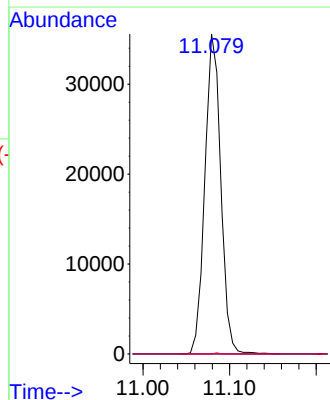
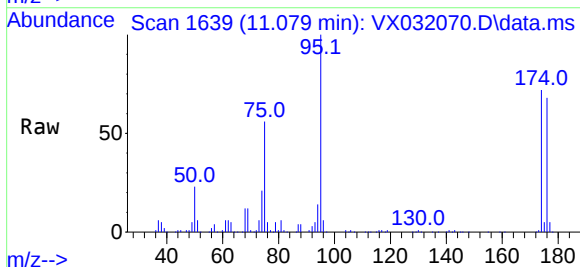
Instrument :
MSVOA_X
ClientSampleId :
B4(13-14)

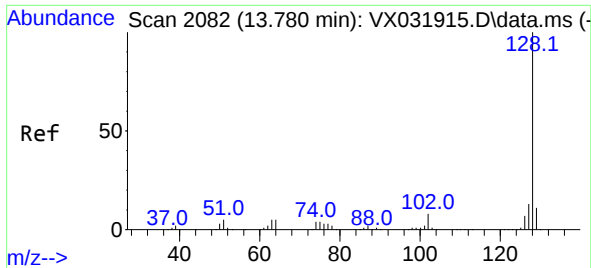
Tgt Ion: 75 Resp: 45379
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.867 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

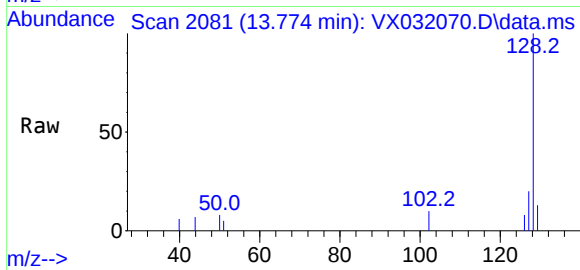
Tgt Ion: 75 Resp: 45379
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.1 37.4 56.0#





#95
Naphthalene
Concen: 0.333 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX032070.D
Acq: 12 Oct 2022 08:34

Instrument :
MSVOA_X
ClientSampleId :
B4(13-14)



Tgt Ion:128 Resp: 1735
Ion Ratio Lower Upper
128 100
127 17.5 10.4 15.6#
129 9.9 8.8 13.2

