

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101122\
 Data File : VX032061.D
 Acq On : 12 Oct 2022 05:05
 Operator : JC/MD
 Sample : N5067-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

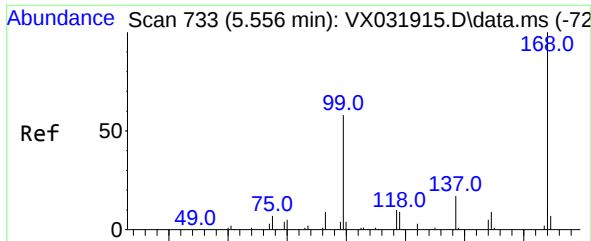
Instrument :
 MSVOA_X
 ClientSampleId :
 B2(8-9)

Quant Time: Oct 12 06:23:31 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)

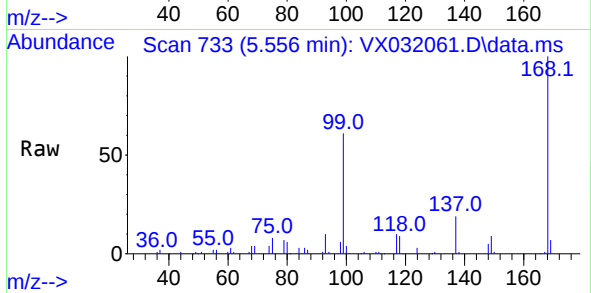
Internal Standards						
1) Pentafluorobenzene	5.556	168	76189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	116872	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81840	52.013	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.020%			
35) Dibromofluoromethane	5.385	113	63096	47.694	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.380%			
50) Toluene-d8	8.647	98	240675	50.558	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.120%			
62) 4-Bromofluorobenzene	11.079	95	81824	48.620	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.240%			
Target Compounds						Qvalue
5) Bromomethane	1.618	94	273	Below Cal		90
10) Methyl Iodide	2.453	142	162	2.874 ug/l #		38
11) Tert butyl alcohol	2.995	59	54	0.276 ug/l #		73
16) Acetone	2.386	43	22639	42.335 ug/l		98
17) Carbon Disulfide	2.514	76	879	0.353 ug/l #		93
18) Methyl Acetate	2.709	43	764	0.433 ug/l		99
20) Methylene Chloride	2.788	84	8953	6.371 ug/l		90
25) 2-Butanone	4.581	43	3070	3.672 ug/l		95
29) Tetrahydrofuran	5.050	42	451	0.836 ug/l #		71
31) Cyclohexane	5.550	56	1963	1.044 ug/l #		47
36) 1,1-Dichloropropene	5.550	75	6481	3.694 ug/l #		50
37) Ethyl Acetate	4.721	43	12336	7.469 ug/l #		87
38) Carbon Tetrachloride	5.544	117	7998	4.459 ug/l #		16
40) Benzene	6.050	78	2040	0.397 ug/l		91
43) Isopropyl Acetate	6.342	43	55514	22.154 ug/l		99
48) Methyl methacrylate	7.799	41	48721	40.689 ug/l #		47
51) 4-Methyl-2-Pentanone	8.549	43	47640	28.689 ug/l #		50
53) t-1,3-Dichloropropene	8.958	75	215	1.323 ug/l #		44
54) cis-1,3-Dichloropropene	8.549	75	21232	11.600 ug/l #		67
56) Ethyl methacrylate	9.250	69	587	0.323 ug/l #		1
57) 1,3-Dichloropropane	9.482	76	2486	1.091 ug/l #		43
59) 2-Hexanone	9.482	43	32595	26.621 ug/l #		54
68) m/p-Xylenes	10.311	106	968	0.375 ug/l		87
69) o-Xylene	10.640	106	610	0.243 ug/l		94
74) N-amyl acetate	10.811	43	395	0.233 ug/l #		43
76) 1,2,3-Trichloropropane	11.079	75	46781	30.999 ug/l #		36
81) trans-1,4-Dichloro-2-b...	11.079	75	46781	105.686 ug/l #		11
90) Hexachloroethane	12.414	117	77	1.407 ug/l #		15
95) Naphthalene	13.780	128	4408	0.818 ug/l		96

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

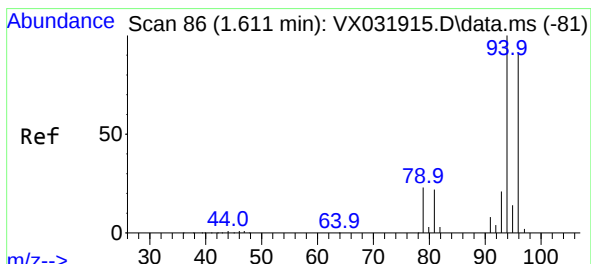
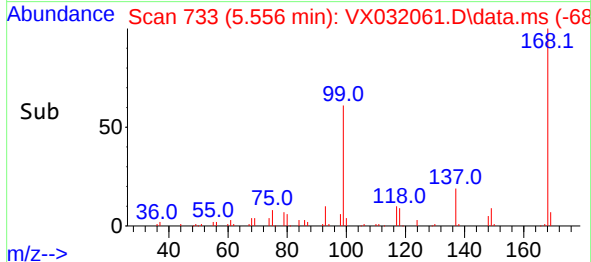
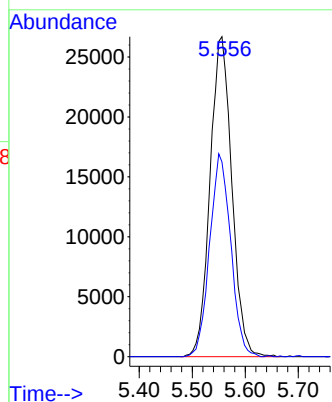


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

Instrument :
MSVOA_X
ClientSampleId :
B2(8-9)

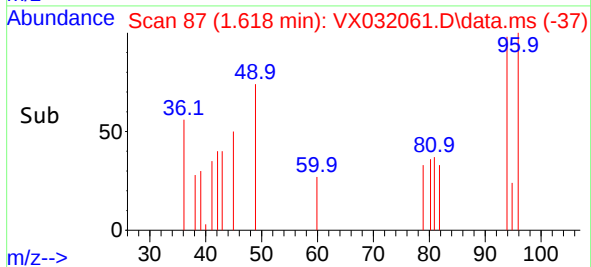
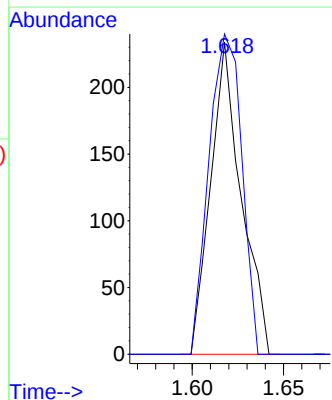
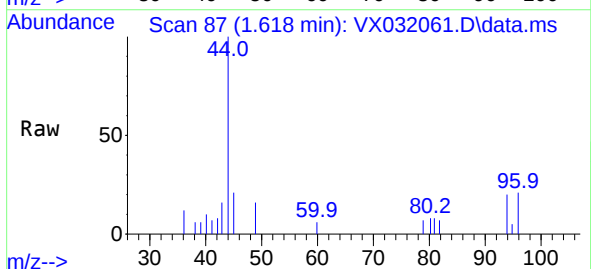


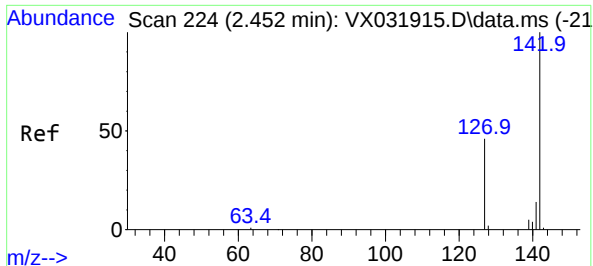
Tgt Ion:168 Resp: 76189
Ion Ratio Lower Upper
168 100
99 60.9 48.8 73.2



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

Tgt Ion: 94 Resp: 273
Ion Ratio Lower Upper
94 100
96 102.6 74.4 111.6

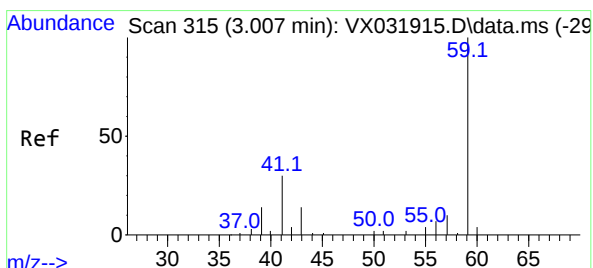
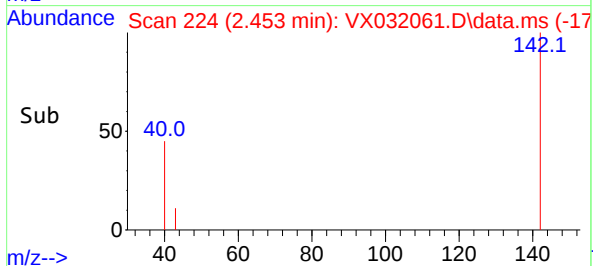
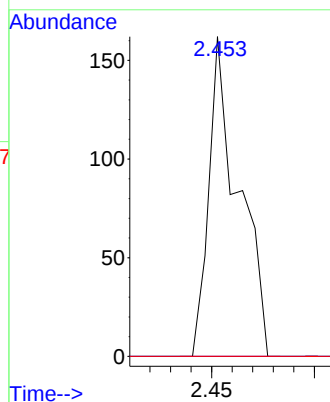
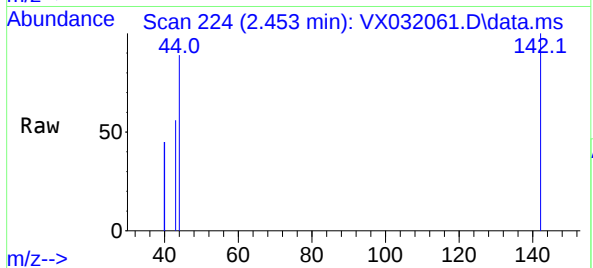




#10
Methyl Iodide
Concen: 2.874 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

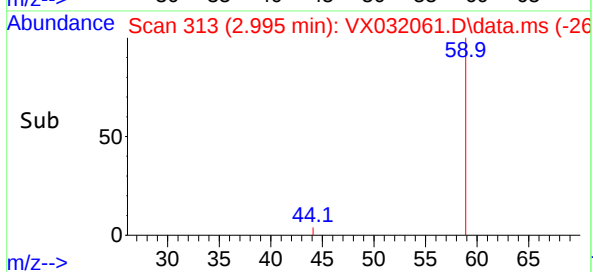
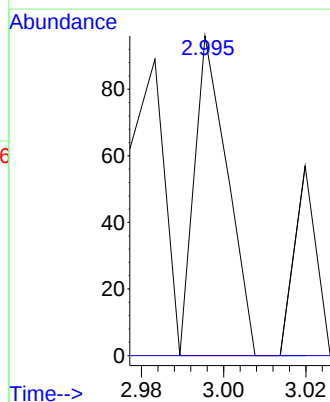
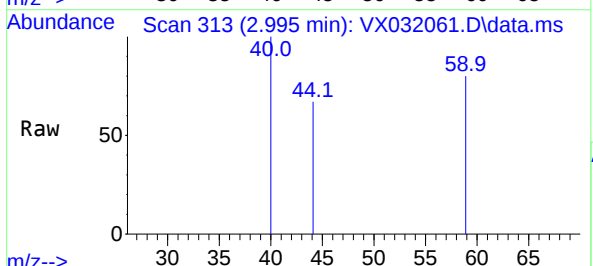
Instrument :
MSVOA_X
ClientSampleId :
B2(8-9)

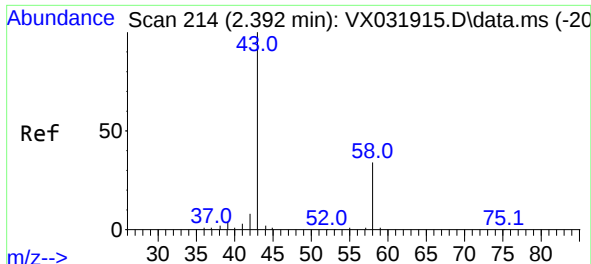
Tgt Ion:142 Resp: 162
Ion Ratio Lower Upper
142 100
127 0.0 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.276 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.012 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

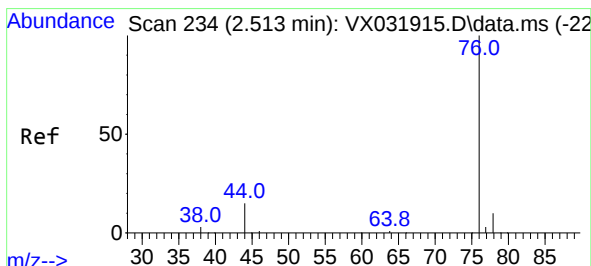
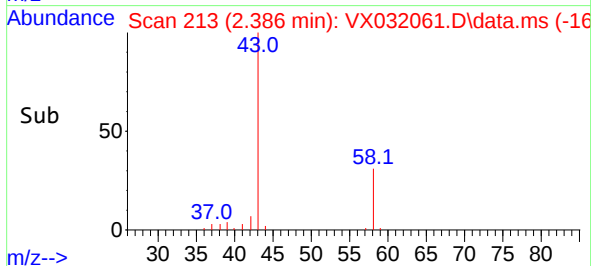
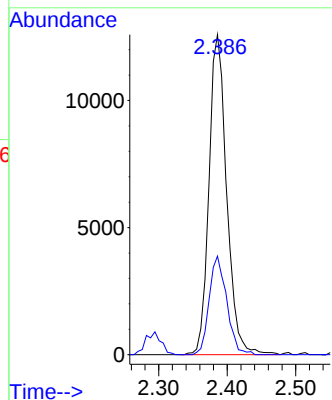
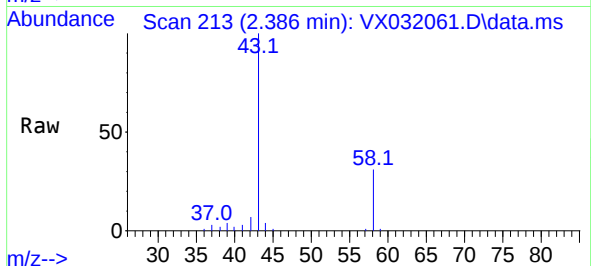




#16
Acetone
Concen: 42.335 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

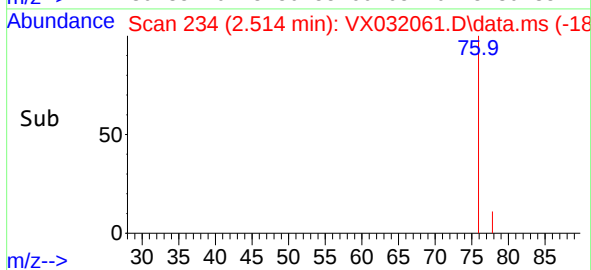
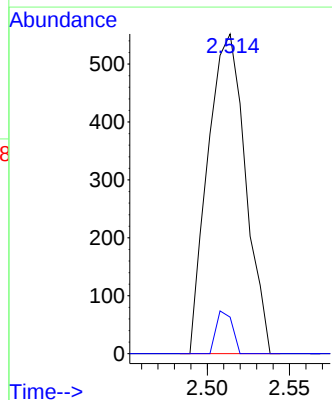
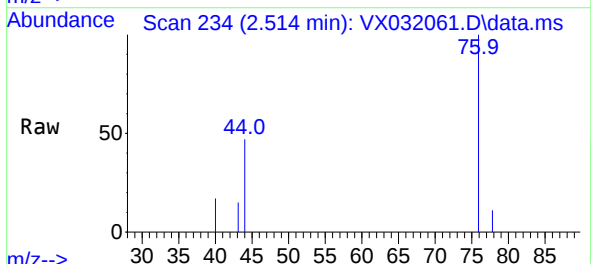
Instrument :
MSVOA_X
ClientSampleId :
B2(8-9)

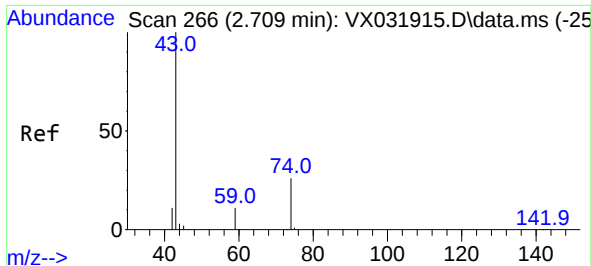
Tgt Ion: 43 Resp: 22639
Ion Ratio Lower Upper
43 100
58 30.8 23.8 35.8



#17
Carbon Disulfide
Concen: 0.353 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.001 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

Tgt Ion: 76 Resp: 879
Ion Ratio Lower Upper
76 100
78 11.4 7.2 10.8#

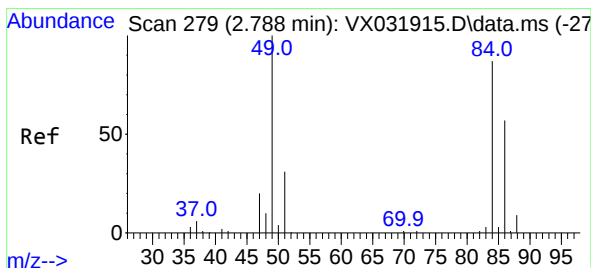
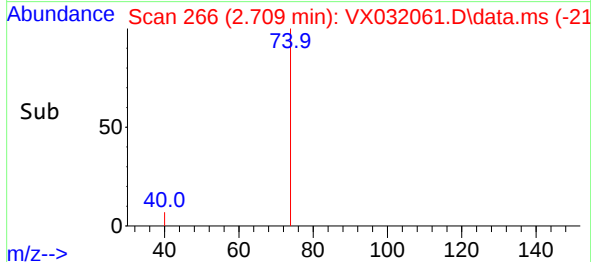
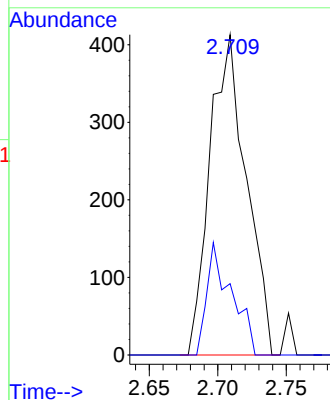
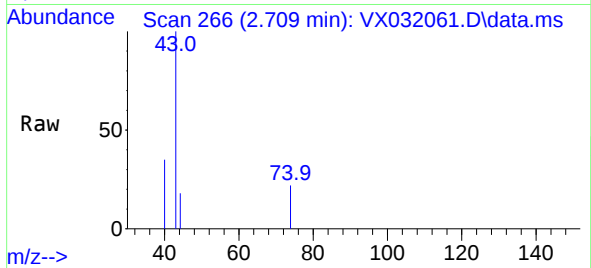




#18
Methyl Acetate
Concen: 0.433 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

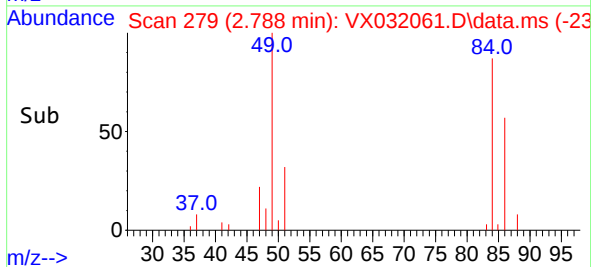
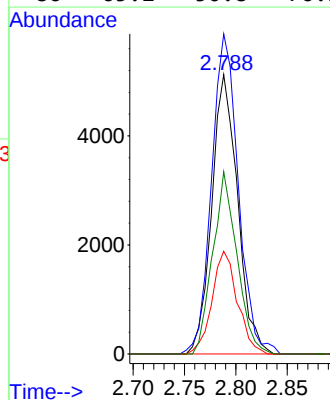
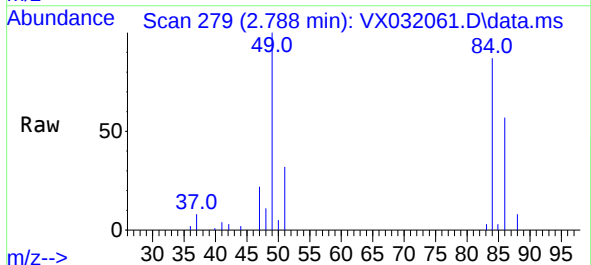
Instrument :
MSVOA_X
ClientSampleId :
B2(8-9)

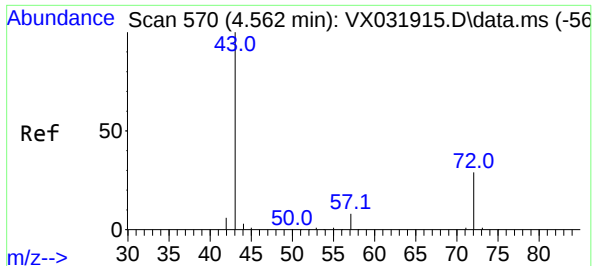
Tgt Ion: 43 Resp: 764
Ion Ratio Lower Upper
43 100
74 23.7 18.6 27.8



#20
Methylene Chloride
Concen: 6.371 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

Tgt Ion: 84 Resp: 8953
Ion Ratio Lower Upper
84 100
49 114.5 105.9 158.9
51 36.8 32.2 48.2
86 65.2 50.8 76.2





#25

2-Butanone

Concen: 3.672 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.019 min

Lab File: VX032061.D

Acq: 12 Oct 2022 05:05

Instrument :

MSVOA_X

ClientSampleId :

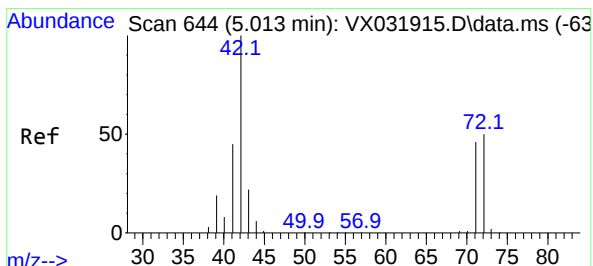
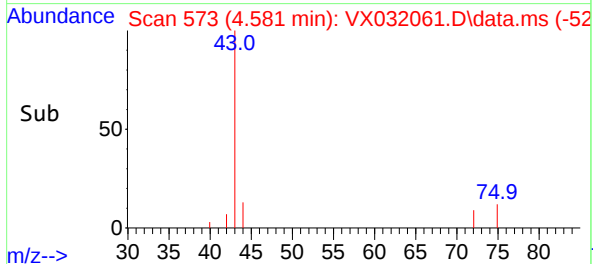
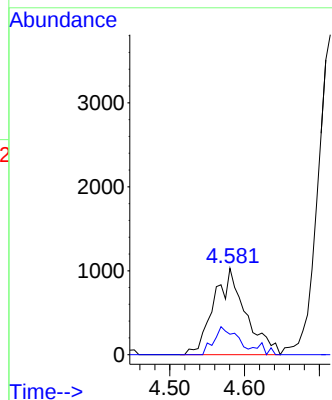
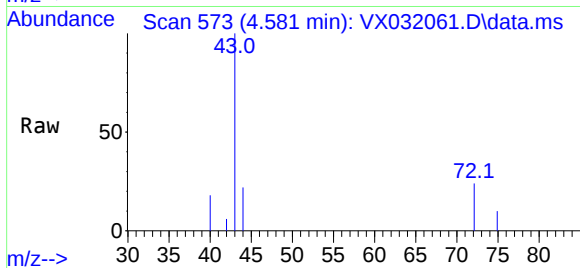
B2(8-9)

Tgt Ion: 43 Resp: 3070

Ion Ratio Lower Upper

43 100

72 23.7 21.1 31.7



#29

Tetrahydrofuran

Concen: 0.836 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.037 min

Lab File: VX032061.D

Acq: 12 Oct 2022 05:05

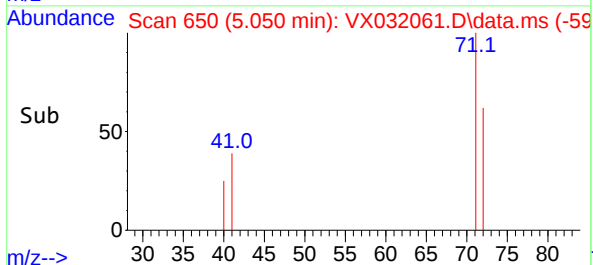
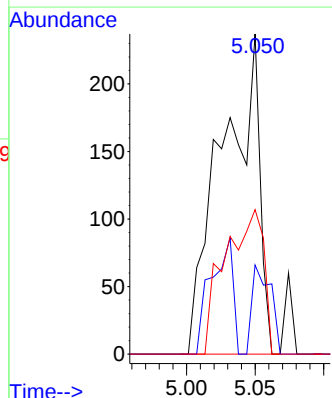
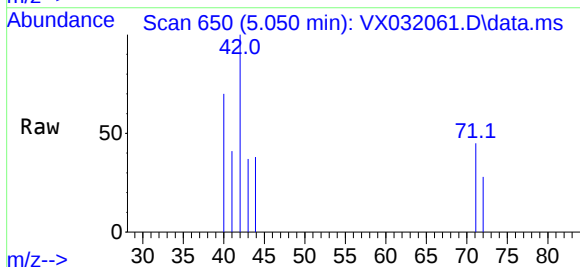
Tgt Ion: 42 Resp: 451

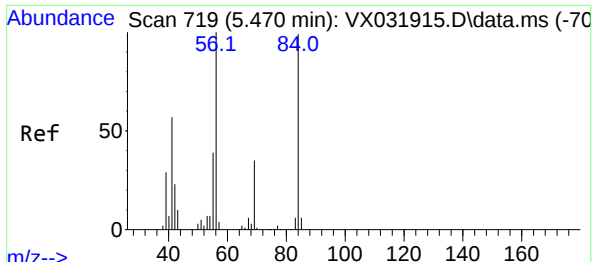
Ion Ratio Lower Upper

42 100

72 13.7 36.4 54.6#

71 46.8 33.5 50.3

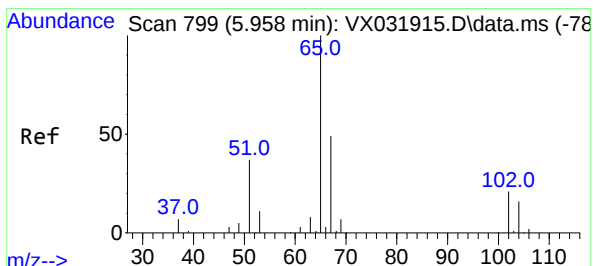
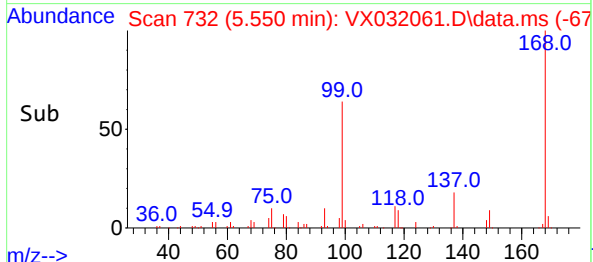
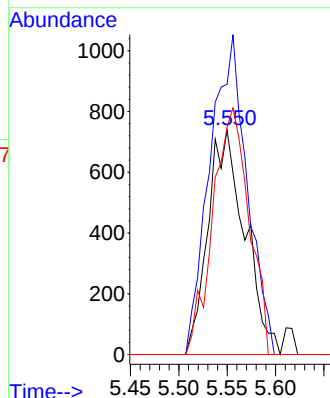
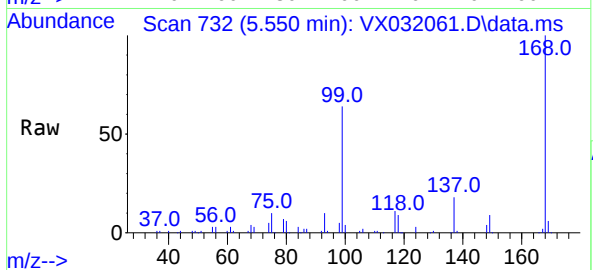




#31
Cyclohexane
Concen: 1.044 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

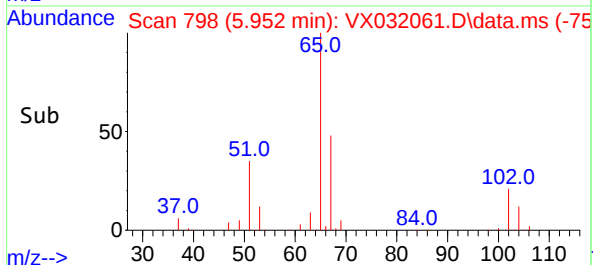
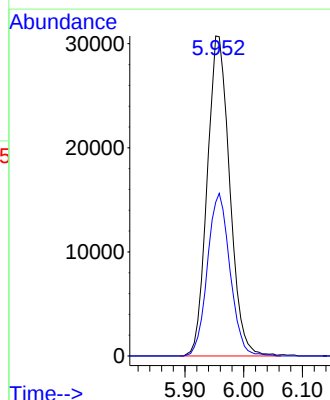
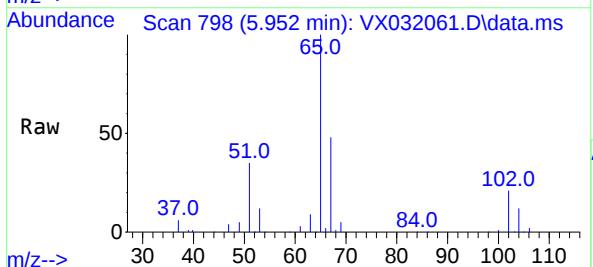
Instrument :
MSVOA_X
ClientSampleId :
B2(8-9)

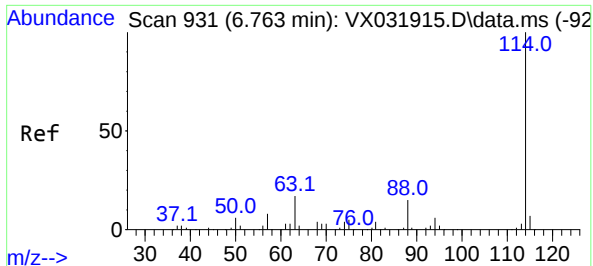
Tgt Ion: 56 Resp: 1963
Ion Ratio Lower Upper
56 100
69 120.4 25.1 37.7#
84 101.2 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 52.013 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

Tgt Ion: 65 Resp: 81840
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.4

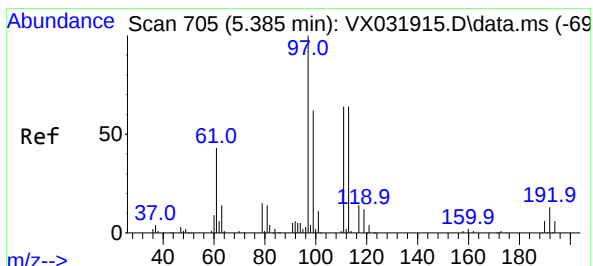
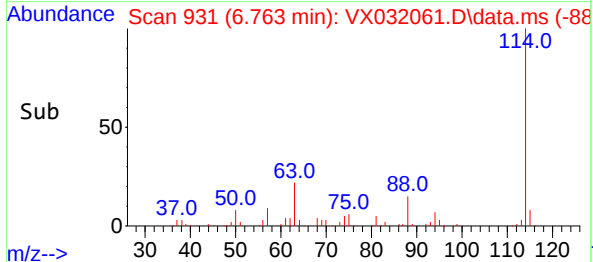
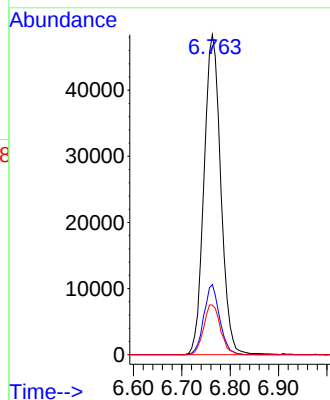
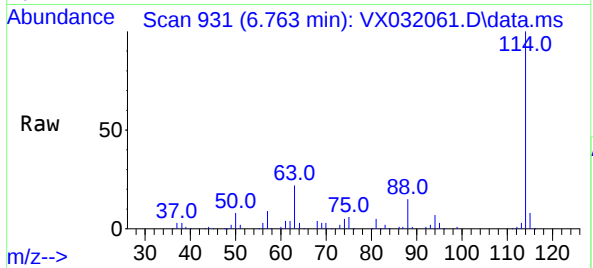




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

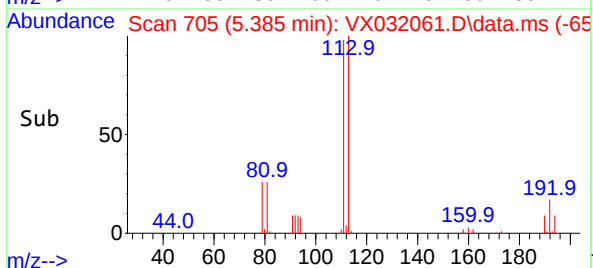
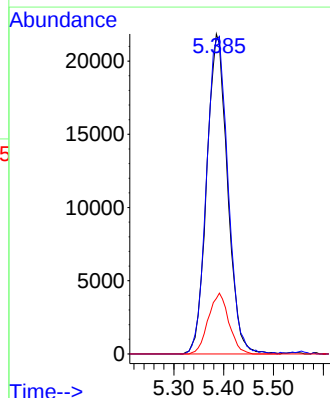
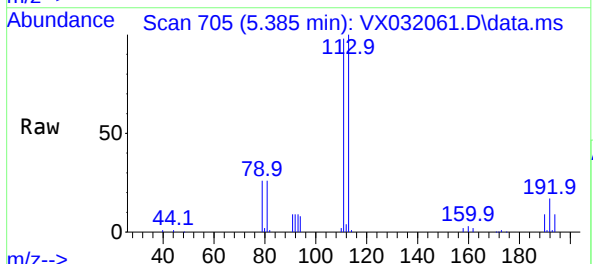
Instrument :
MSVOA_X
ClientSampleId :
B2(8-9)

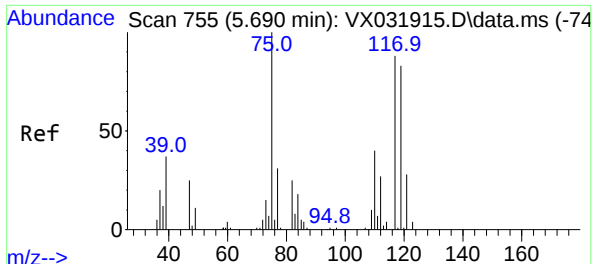
Tgt Ion:114 Resp: 116872
Ion Ratio Lower Upper
114 100
63 21.9 0.0 42.6
88 15.5 0.0 33.0



#35
Dibromofluoromethane
Concen: 47.694 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

Tgt Ion:113 Resp: 63096
Ion Ratio Lower Upper
113 100
111 102.7 82.4 123.6
192 18.8 14.1 21.1

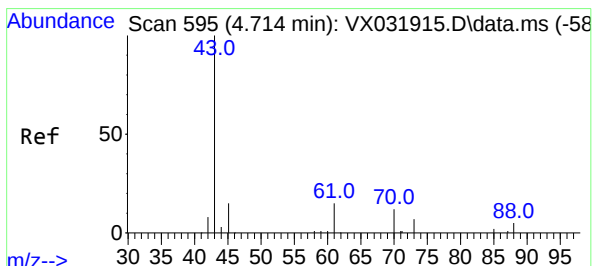
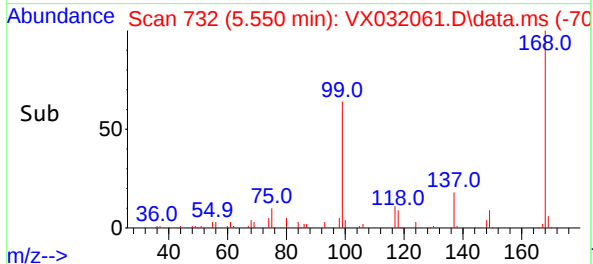
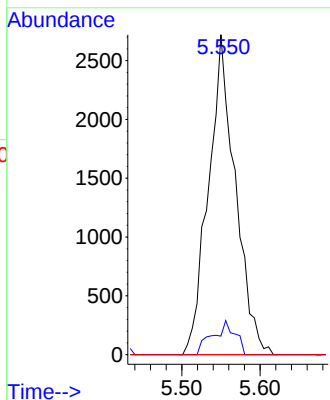
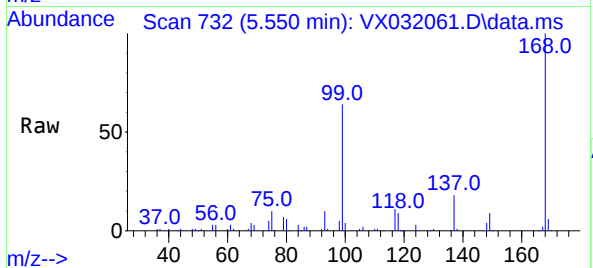




#36
1,1-Dichloropropene
Concen: 3.694 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

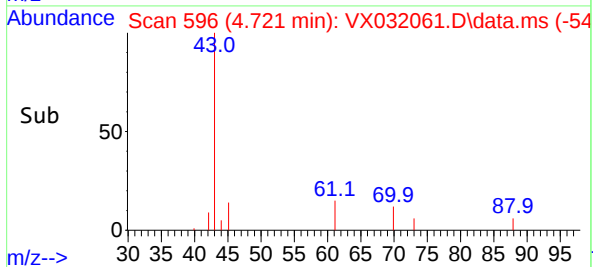
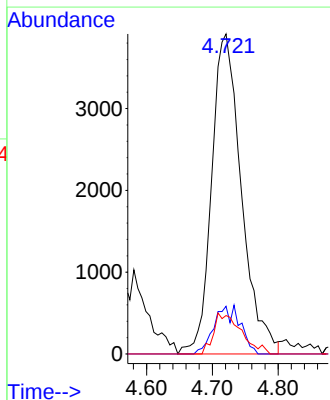
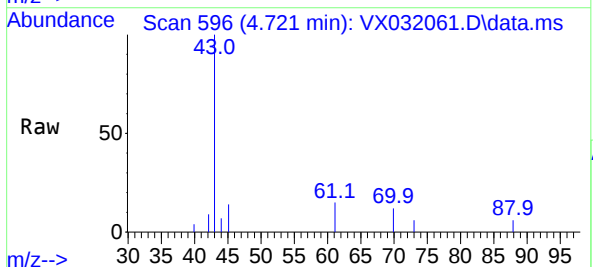
Instrument :
MSVOA_X
ClientSampleId :
B2(8-9)

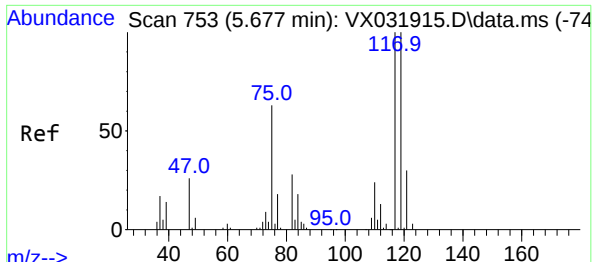
Tgt Ion: 75 Resp: 6481
Ion Ratio Lower Upper
75 100
110 8.8 17.5 52.5#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 7.469 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.007 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

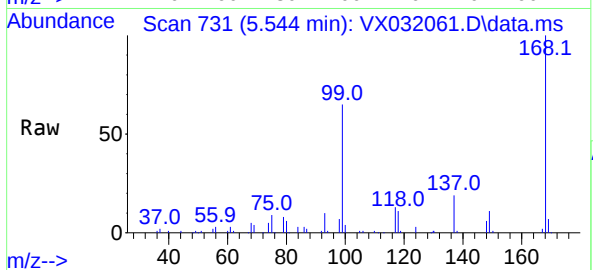
Tgt Ion: 43 Resp: 12336
Ion Ratio Lower Upper
43 100
61 13.4 11.1 16.7
70 0.0 8.6 13.0#



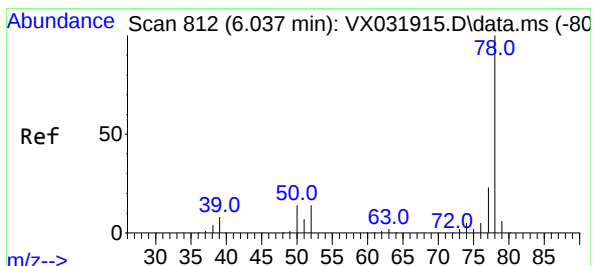
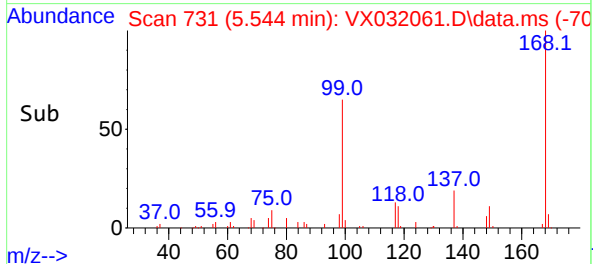
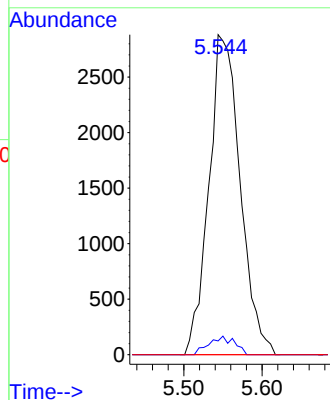


#38
Carbon Tetrachloride
Concen: 4.459 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.133 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

Instrument :
MSVOA_X
ClientSampleId :
B2(8-9)

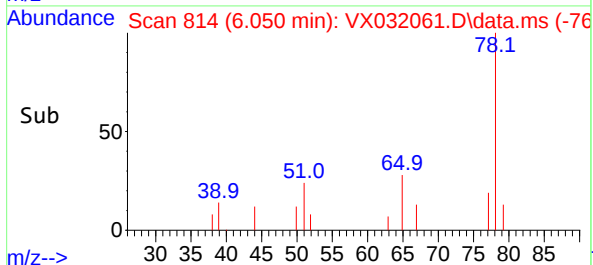
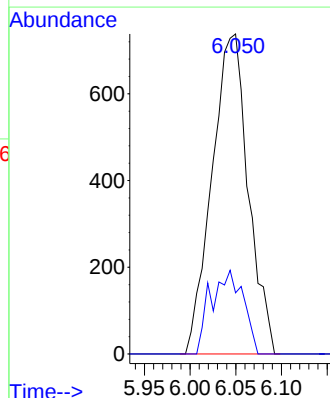
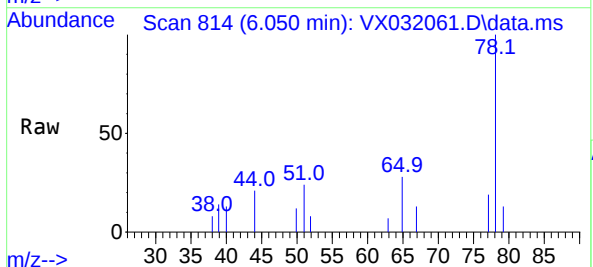


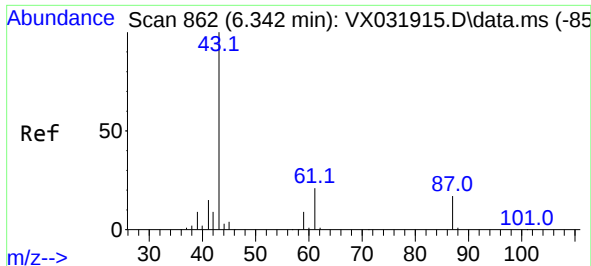
Tgt Ion:117 Resp: 7998
Ion Ratio Lower Upper
117 100
119 4.3 74.6 112.0#
121 0.0 25.3 37.9#



#40
Benzene
Concen: 0.397 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.013 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

Tgt Ion: 78 Resp: 2040
Ion Ratio Lower Upper
78 100
77 19.1 18.7 28.1

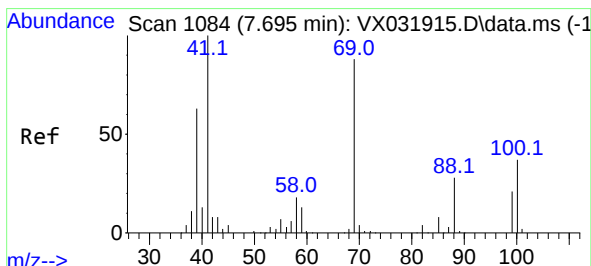
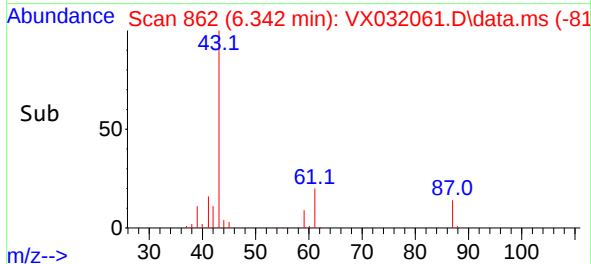
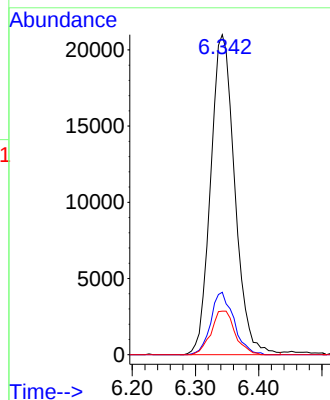
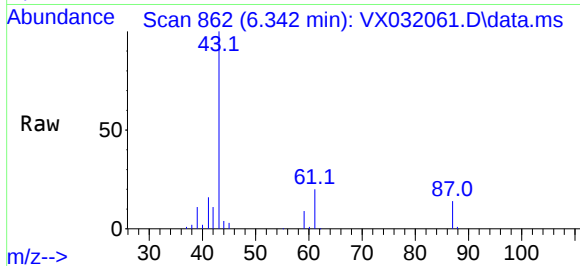




#43
Isopropyl Acetate
Concen: 22.154 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

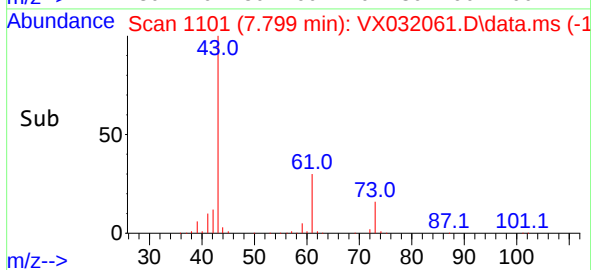
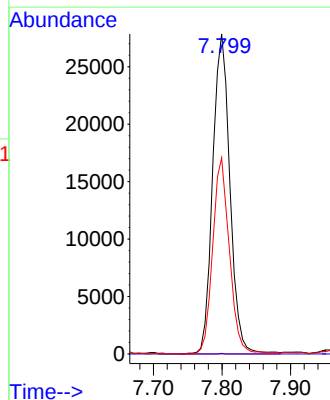
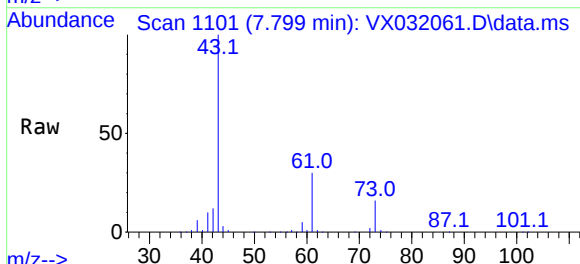
Instrument :
MSVOA_X
ClientSampleId :
B2(8-9)

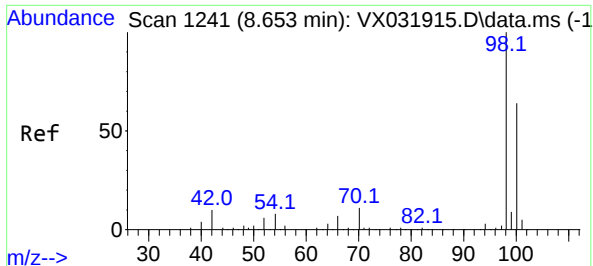
Tgt Ion: 43 Resp: 55514
Ion Ratio Lower Upper
43 100
61 18.7 15.3 22.9
87 13.5 10.6 15.8



#48
Methyl methacrylate
Concen: 40.689 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

Tgt Ion: 41 Resp: 48721
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 59.3 51.4 77.0

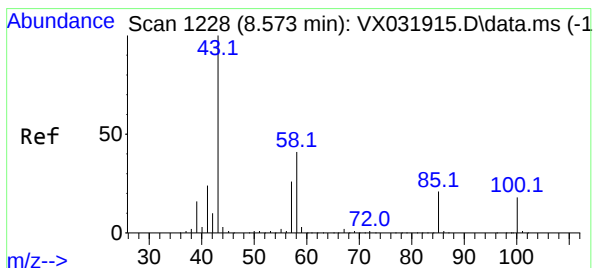
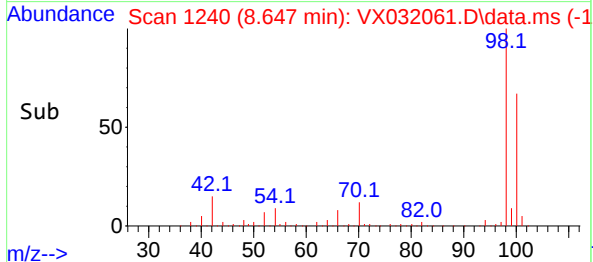
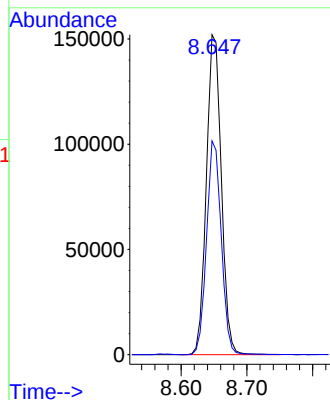
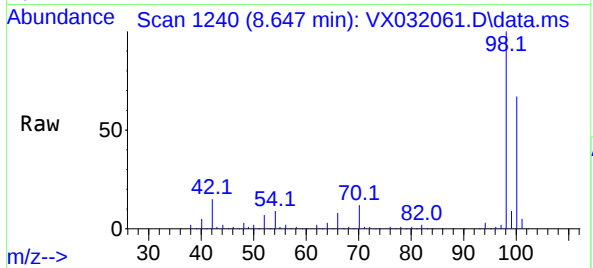




#50
Toluene-d8
Concen: 50.558 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

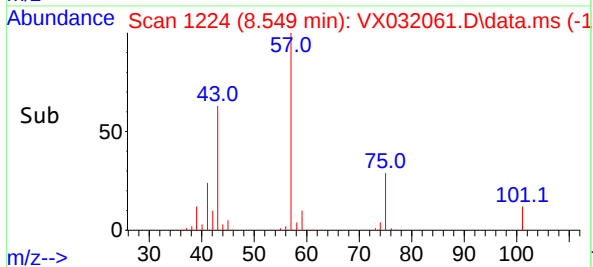
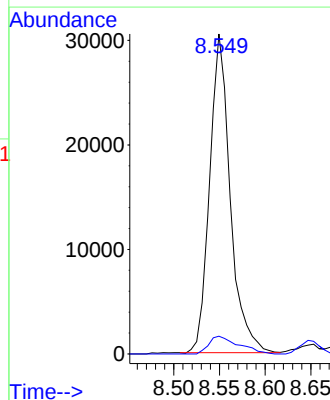
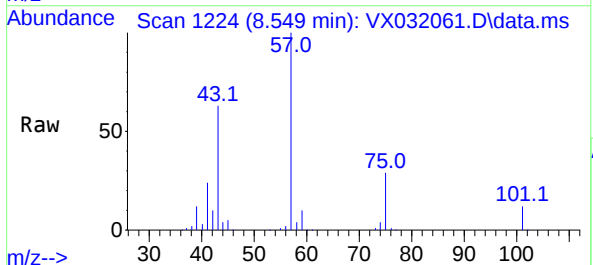
Instrument :
MSVOA_X
ClientSampleId :
B2(8-9)

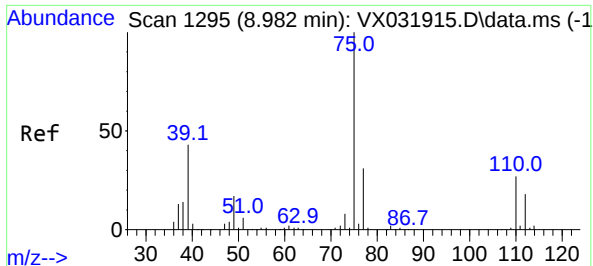
Tgt Ion: 98 Resp: 240675
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 28.689 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

Tgt Ion: 43 Resp: 47640
Ion Ratio Lower Upper
43 100
58 8.1 30.6 46.0#





#53

t-1,3-Dichloropropene

Concen: 1.323 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX032061.D

Acq: 12 Oct 2022 05:05

Instrument :

MSVOA_X

ClientSampleId :

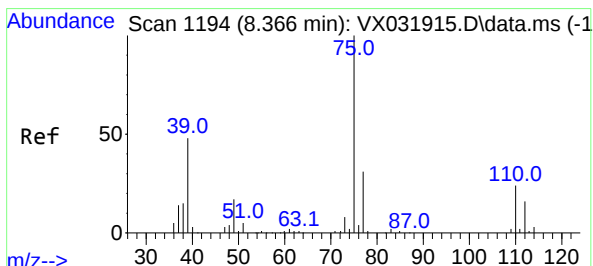
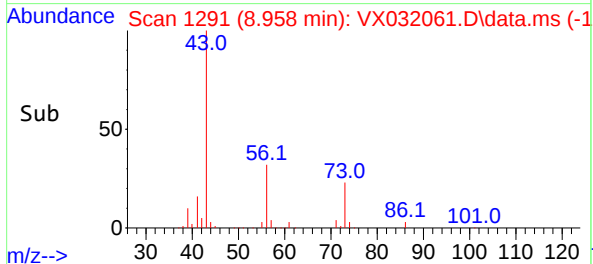
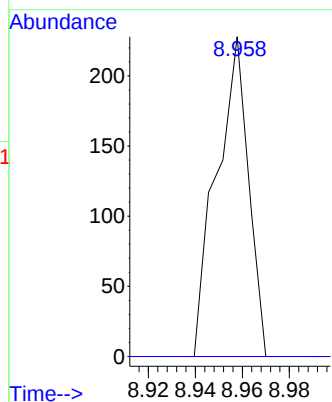
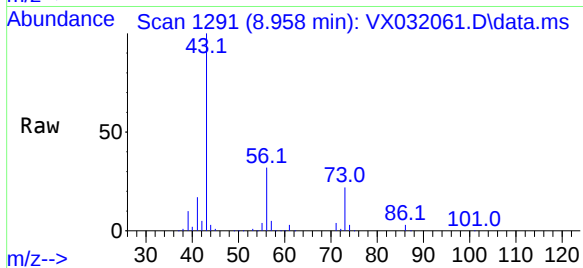
B2(8-9)

Tgt Ion: 75 Resp: 215

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#



#54

cis-1,3-Dichloropropene

Concen: 11.600 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX032061.D

Acq: 12 Oct 2022 05:05

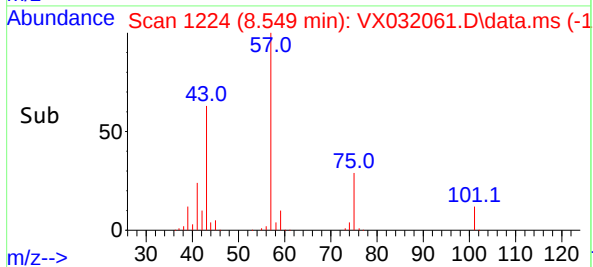
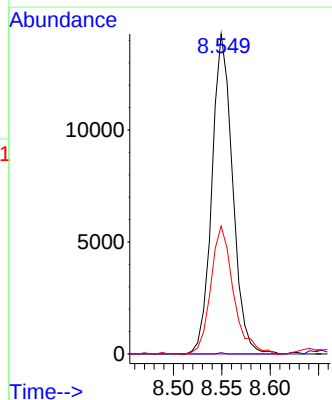
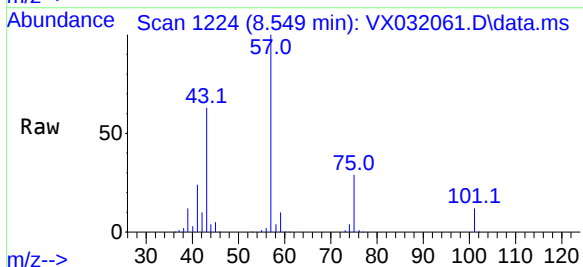
Tgt Ion: 75 Resp: 21232

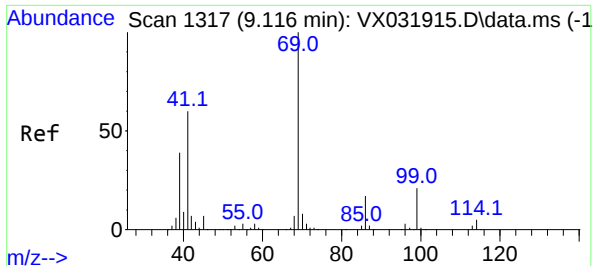
Ion Ratio Lower Upper

75 100

77 0.4 24.4 36.6#

39 40.0 43.7 65.5#





#56

Ethyl methacrylate

Concen: 0.323 ug/l

RT: 9.250 min Scan# 11

Delta R.T. 0.134 min

Lab File: VX032061.D

Acq: 12 Oct 2022 05:05

Instrument :

MSVOA_X

ClientSampleId :

B2(8-9)

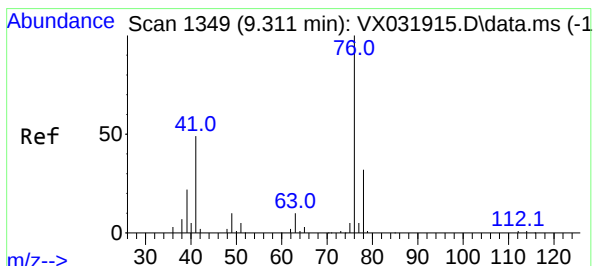
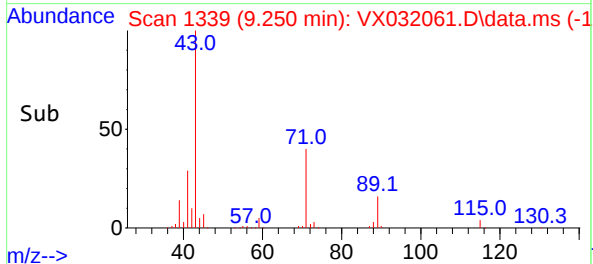
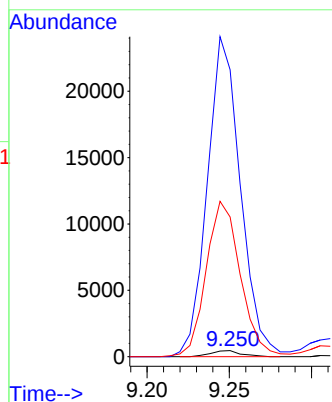
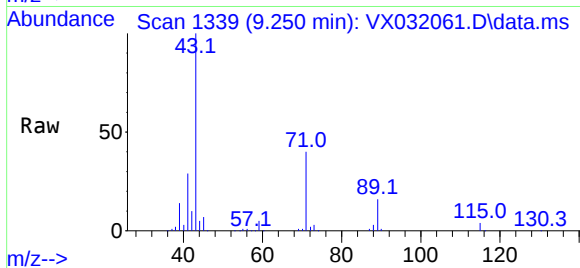
Tgt Ion: 69 Resp: 587

Ion Ratio Lower Upper

69 100

41 5783.6 54.2 81.4#

39 2892.7 34.2 51.2#



#57

1,3-Dichloropropane

Concen: 1.091 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX032061.D

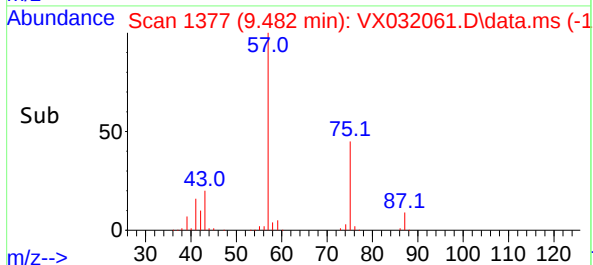
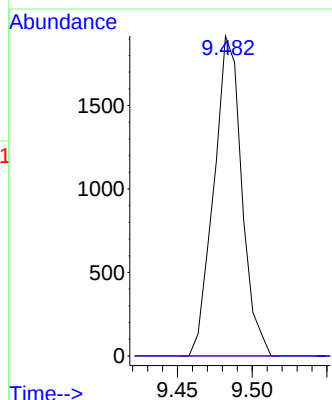
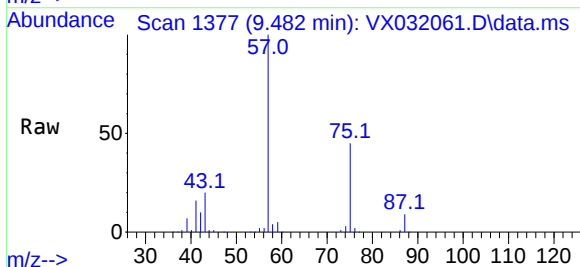
Acq: 12 Oct 2022 05:05

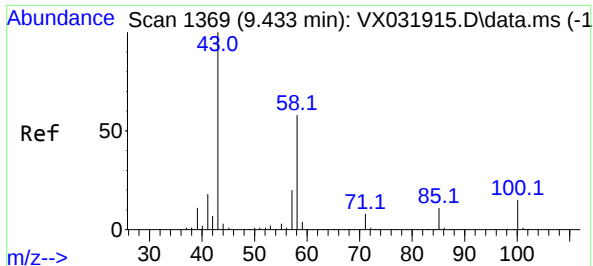
Tgt Ion: 76 Resp: 2486

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 26.621 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX032061.D

Acq: 12 Oct 2022 05:05

Instrument :

MSVOA_X

ClientSampleId :

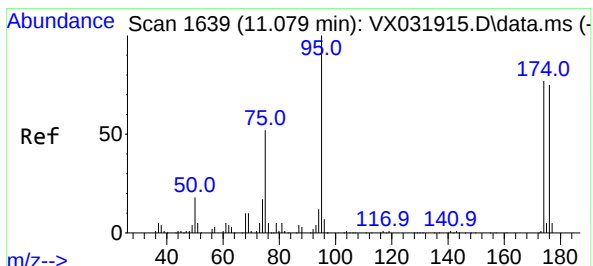
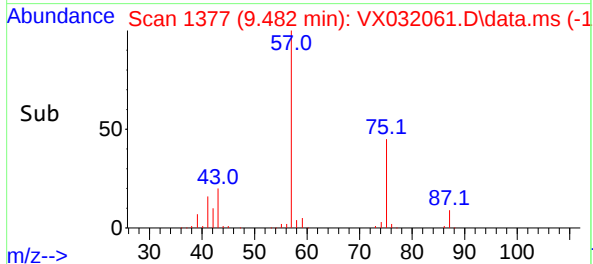
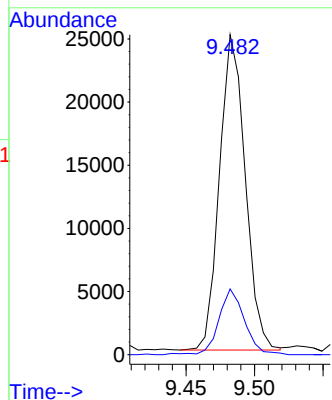
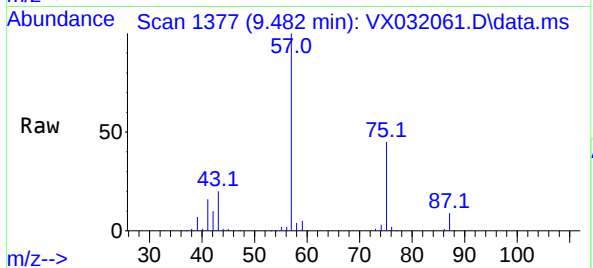
B2(8-9)

Tgt Ion: 43 Resp: 32595

Ion Ratio Lower Upper

43 100

58 20.8 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 48.620 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032061.D

Acq: 12 Oct 2022 05:05

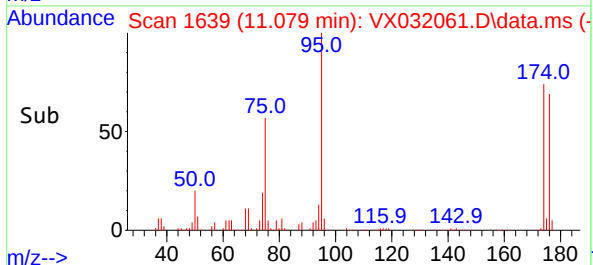
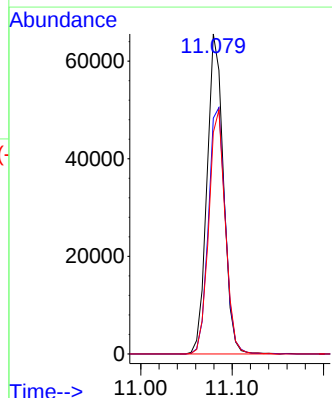
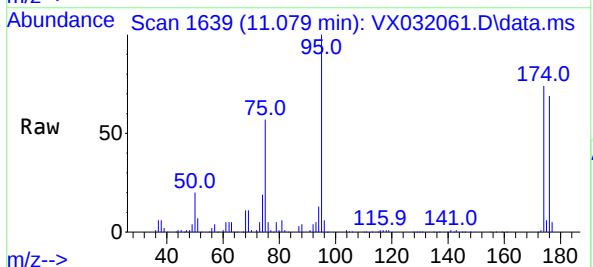
Tgt Ion: 95 Resp: 81824

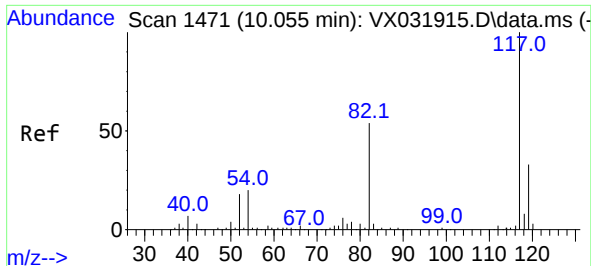
Ion Ratio Lower Upper

95 100

174 78.9 0.0 153.2

176 76.4 0.0 144.0

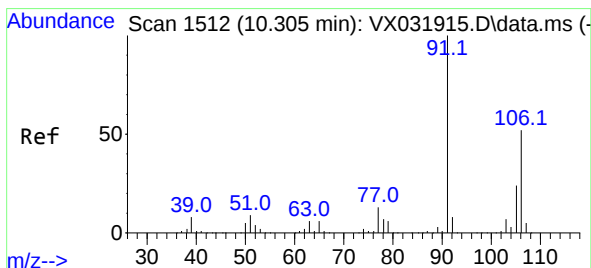
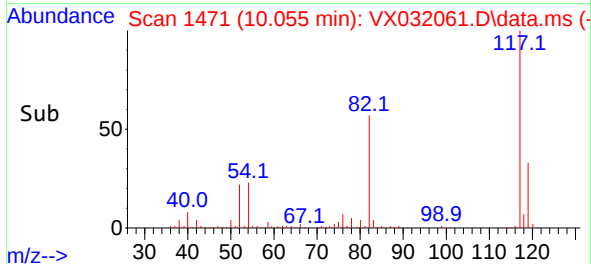
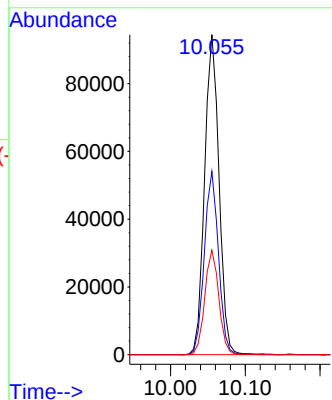
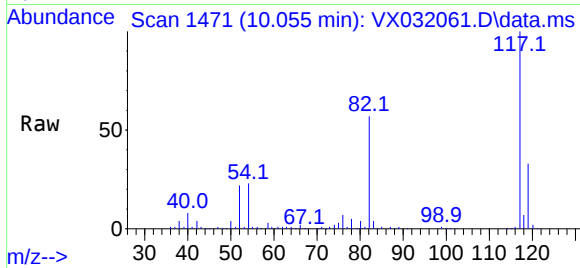




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

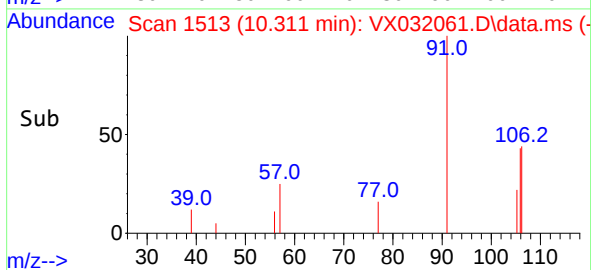
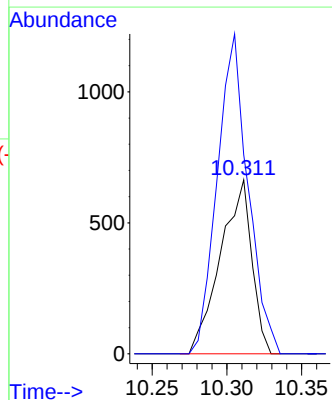
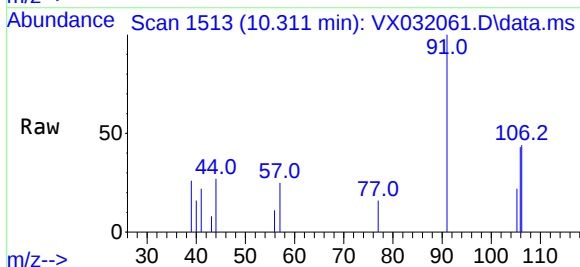
Instrument :
MSVOA_X
ClientSampleId :
B2(8-9)

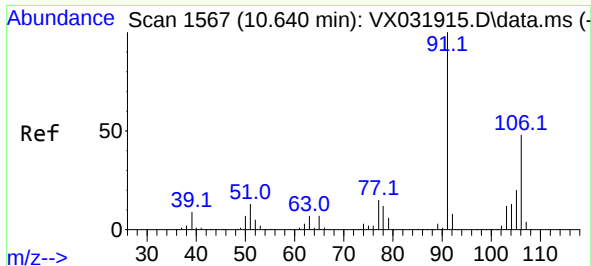
Tgt Ion:117 Resp: 126685
Ion Ratio Lower Upper
117 100
82 57.2 46.8 70.2
119 32.6 26.4 39.6



#68
m/p-Xylenes
Concen: 0.375 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

Tgt Ion:106 Resp: 968
Ion Ratio Lower Upper
106 100
91 180.7 161.0 241.4

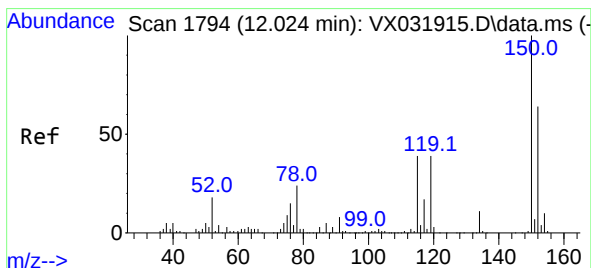
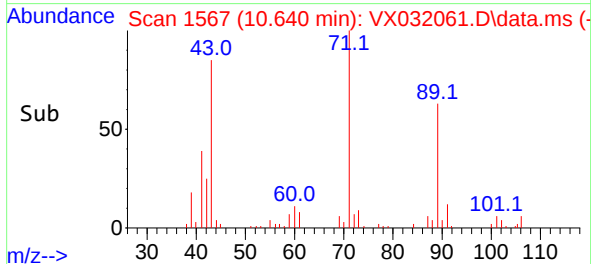
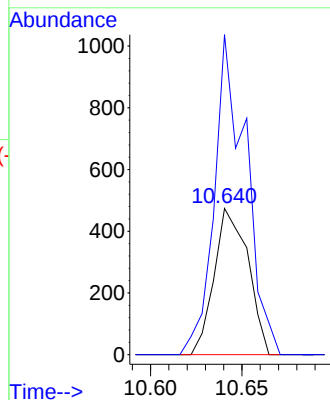
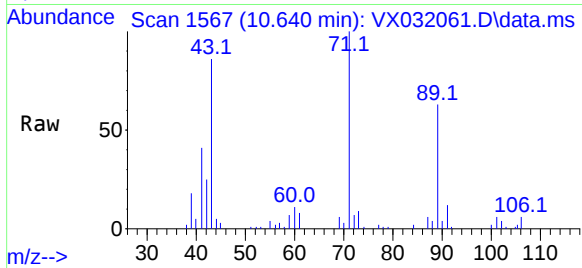




#69
o-Xylene
Concen: 0.243 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

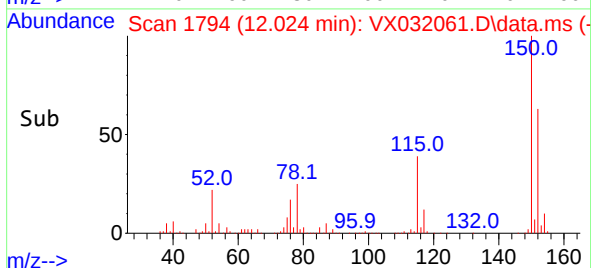
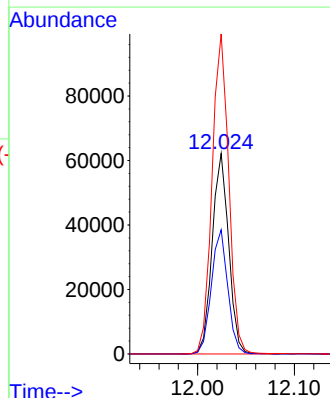
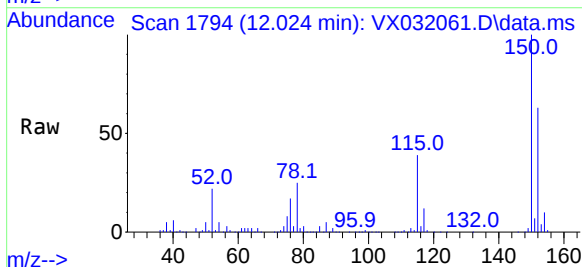
Instrument :
MSVOA_X
ClientSampleId :
B2(8-9)

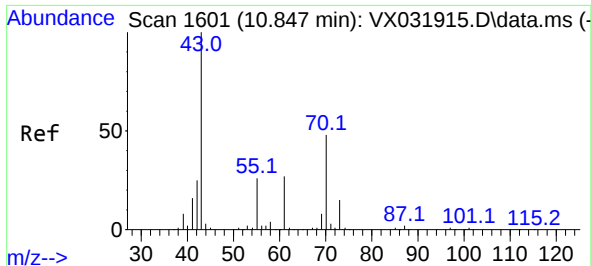
Tgt Ion:106 Resp: 610
Ion Ratio Lower Upper
106 100
91 204.6 107.2 321.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

Tgt Ion:152 Resp: 73634
Ion Ratio Lower Upper
152 100
115 61.8 43.4 130.1
150 161.7 0.0 346.8

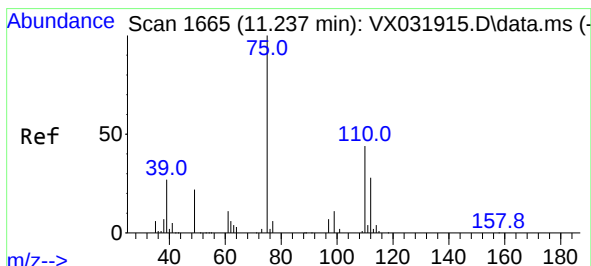
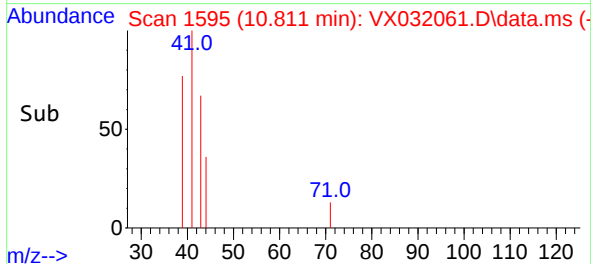
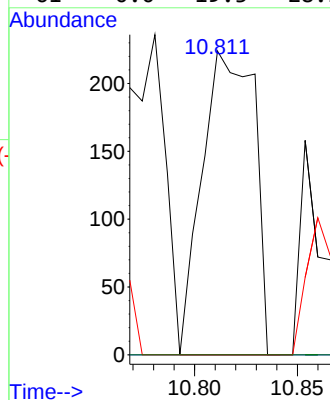
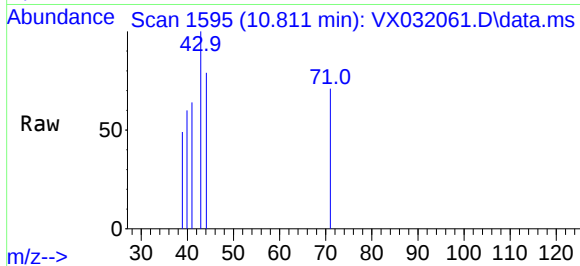




#74
N-amy1 acetate
Concen: 0.233 ug/l
RT: 10.811 min Scan# 11
Delta R.T. -0.036 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

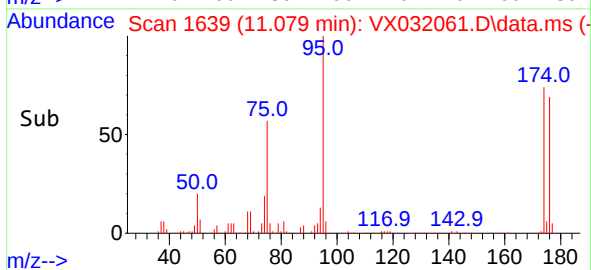
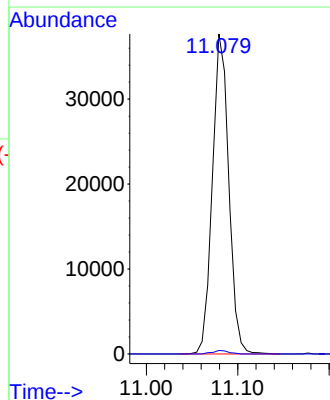
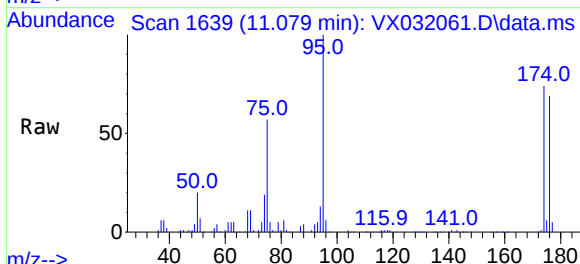
Instrument :
MSVOA_X
ClientSampleId :
B2(8-9)

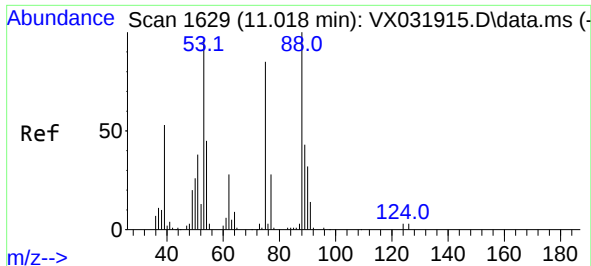
Tgt Ion: 43	Resp:	395
Ion	Ratio	Lower Upper
43	100	
70	0.0	33.4 50.2#
55	0.0	18.2 27.2#
61	0.0	19.3 28.9#



#76
1,2,3-Trichloropropane
Concen: 30.999 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

Tgt Ion: 75	Resp:	46781
Ion	Ratio	Lower Upper
75	100	
77	1.1	20.3 60.9#

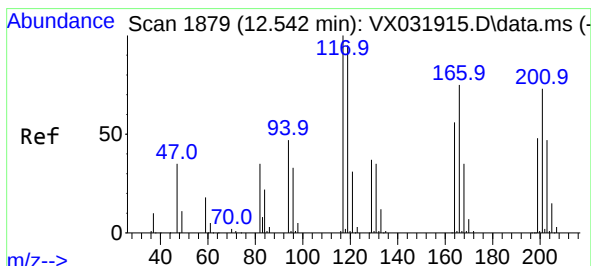
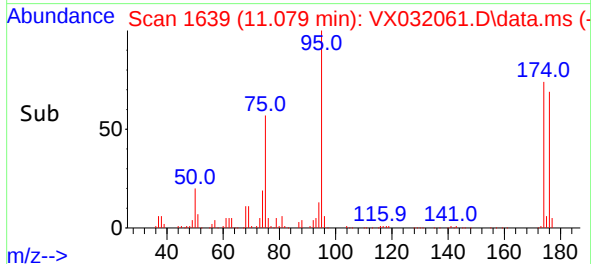
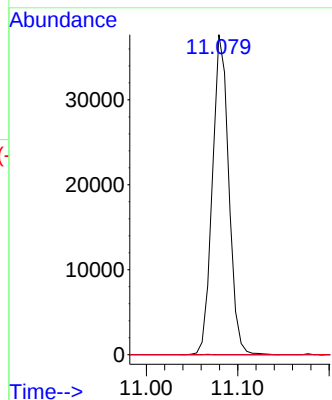
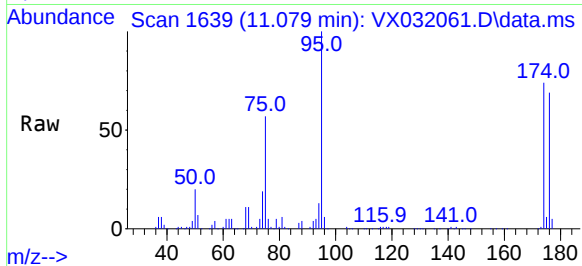




#81
trans-1,4-Dichloro-2-butene
Concen: 105.686 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

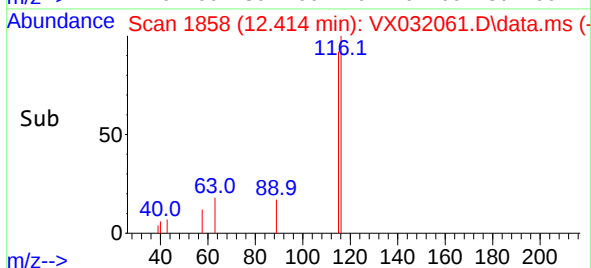
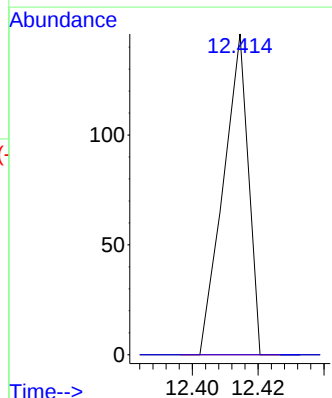
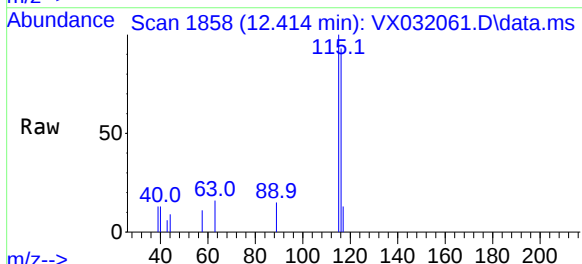
Instrument :
MSVOA_X
ClientSampleId :
B2(8-9)

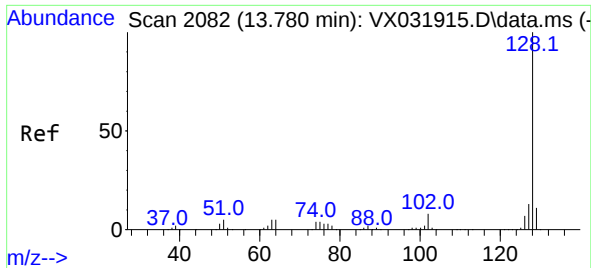
Tgt Ion: 75 Resp: 46781
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#90
Hexachloroethane
Concen: 1.407 ug/l
RT: 12.414 min Scan# 1858
Delta R.T. -0.128 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

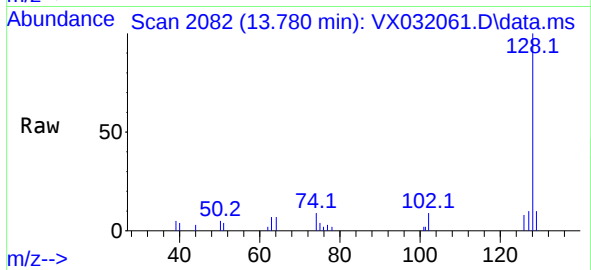
Tgt Ion: 117 Resp: 77
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#





#95
Naphthalene
Concen: 0.818 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX032061.D
Acq: 12 Oct 2022 05:05

Instrument :
MSVOA_X
ClientSampleId :
B2(8-9)



Tgt Ion:128 Resp: 4408

Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.4	15.6
129	10.3	8.8	13.2

