

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111423\
 Data File : VX038805.D
 Acq On : 14 Nov 2023 14:49
 Operator : JC/MD
 Sample : 05351-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

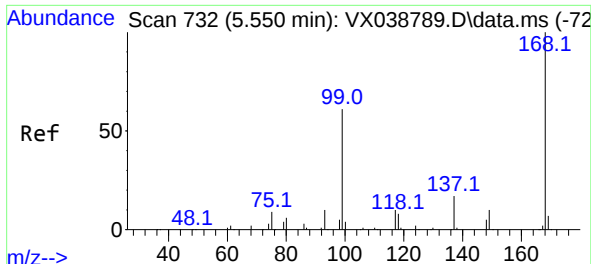
Quant Time: Nov 14 18:29:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 14 09:15:55 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	99530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	193239	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	105354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64526	45.570	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.140%		
35) Dibromofluoromethane	5.385	113	58928	44.389	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.780%		
50) Toluene-d8	8.647	98	232529	47.287	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.580%		
62) 4-Bromofluorobenzene	11.079	95	111469	54.217	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.440%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.685	64	310	0.502	ug/l #	43
11) Tert butyl alcohol	2.940	59	716	1.979	ug/l #	78
16) Acetone	2.373	43	23328	30.745	ug/l #	88
17) Carbon Disulfide	2.514	76	686	0.221	ug/l #	81
18) Methyl Acetate	2.709	43	1086	0.308	ug/l	96
20) Methylene Chloride	2.788	84	3645	2.569	ug/l #	90
25) 2-Butanone	4.574	43	898	0.796	ug/l	90
29) Tetrahydrofuran	5.038	42	236	0.326	ug/l #	57
31) Cyclohexane	5.550	56	2077	1.077	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	7517	4.028	ug/l #	47
37) Ethyl Acetate	4.739	43	2675	1.250	ug/l #	81
38) Carbon Tetrachloride	5.556	117	10603	6.146	ug/l #	15
43) Isopropyl Acetate	6.336	43	83591	25.929	ug/l	95
48) Methyl methacrylate	7.799	41	58638	37.164	ug/l #	45
49) 1,4-Dioxane	7.799	88	91	2.837	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	60411	27.731	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	30937	14.906	ug/l #	50
57) 1,3-Dichloropropane	9.482	76	3087	1.350	ug/l #	42
59) 2-Hexanone	9.372	43	80373	45.783	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	49634	22.064	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	49634	63.401	ug/l #	5

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

Quant Time: Nov 14 18:29:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111423W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 14 09:15:55 2023
Response via : Initial Calibration

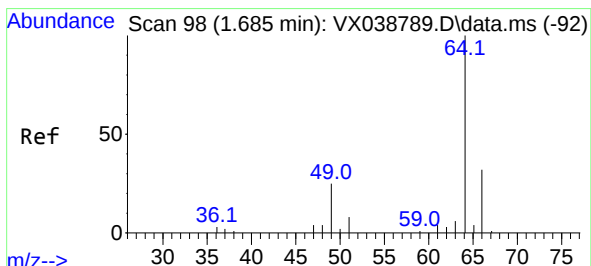
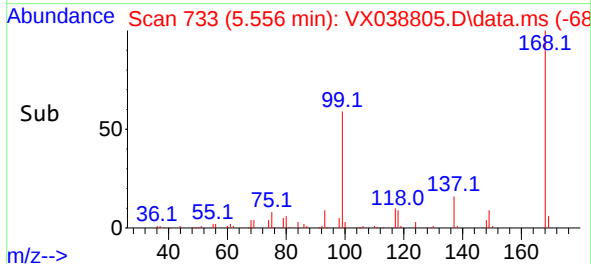
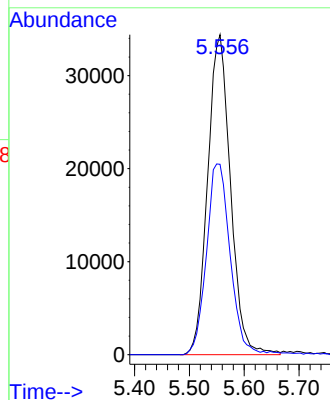
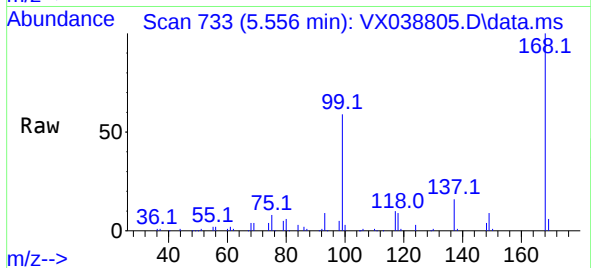




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

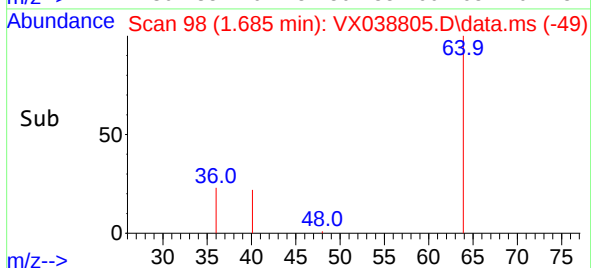
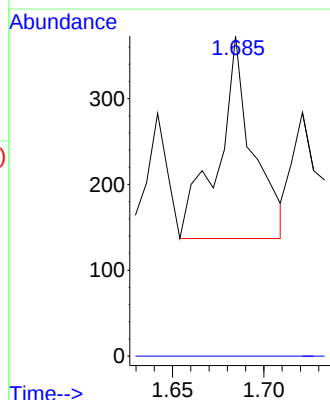
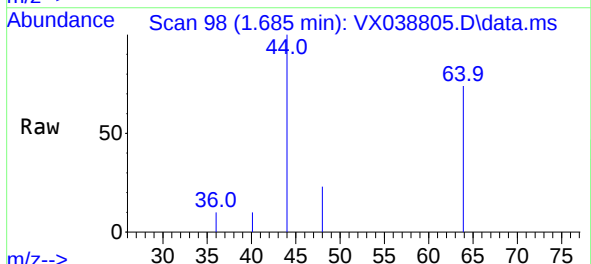
Instrument :
MSVOA_X
ClientSampleId :

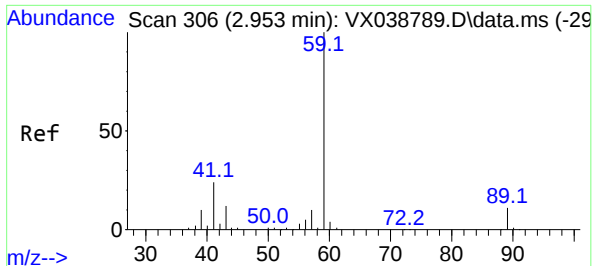
Tgt Ion:168 Resp: 99530
Ion Ratio Lower Upper
168 100
99 59.5 56.6 85.0



#6
Chloroethane
Concen: 0.502 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

Tgt Ion: 64 Resp: 310
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 1.979 ug/l

RT: 2.940 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX038805.D

Acq: 14 Nov 2023 14:49

Instrument :

MSVOA_X

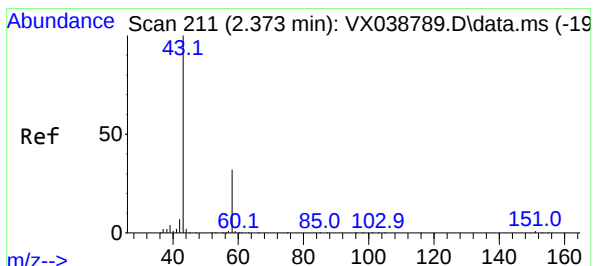
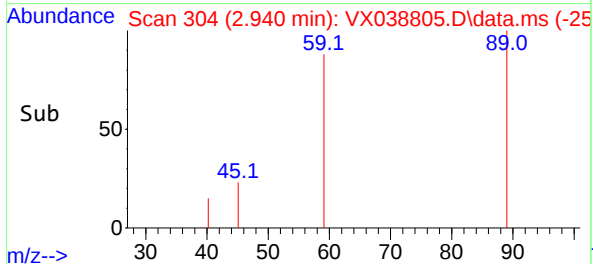
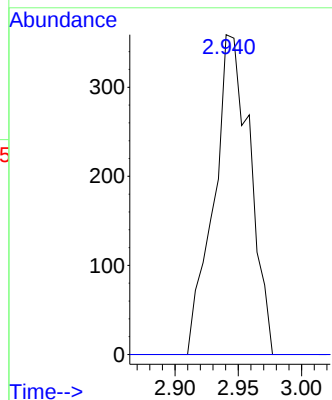
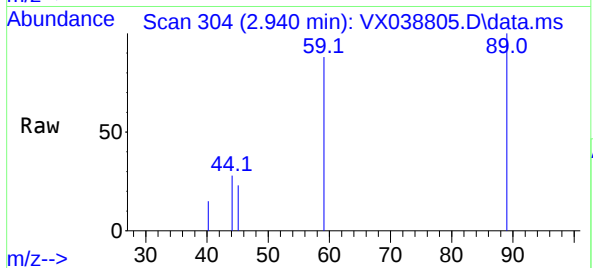
ClientSampleId :

Tgt Ion: 59 Resp: 716

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 30.745 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX038805.D

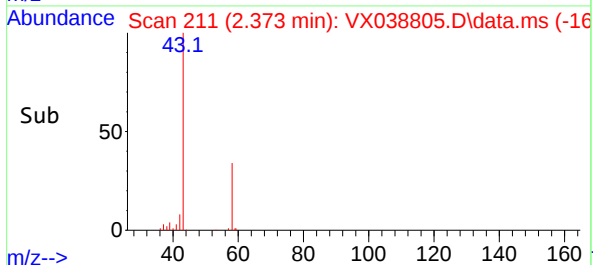
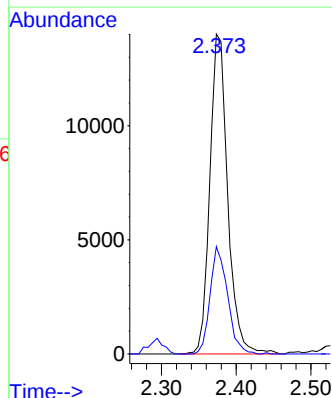
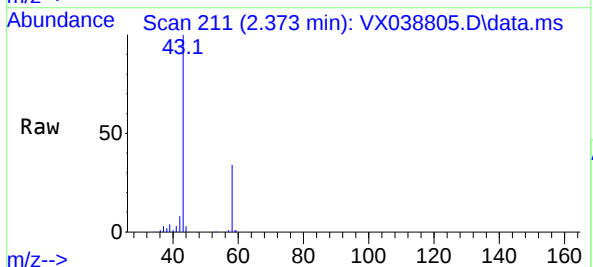
Acq: 14 Nov 2023 14:49

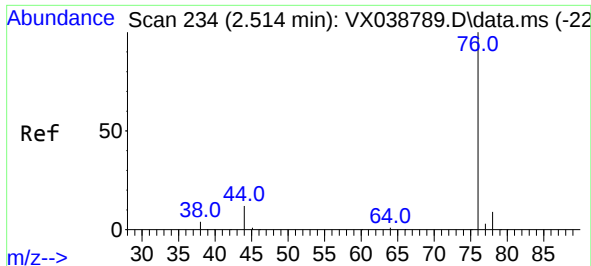
Tgt Ion: 43 Resp: 23328

Ion Ratio Lower Upper

43 100

58 33.5 21.9 32.9#

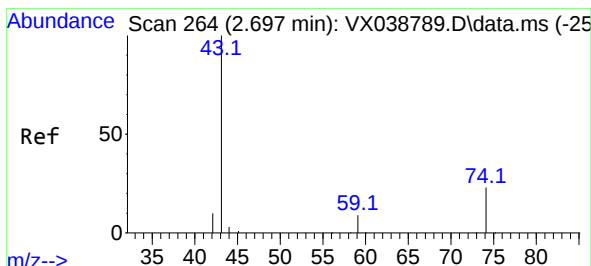
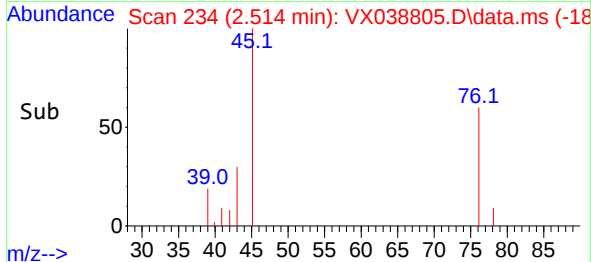
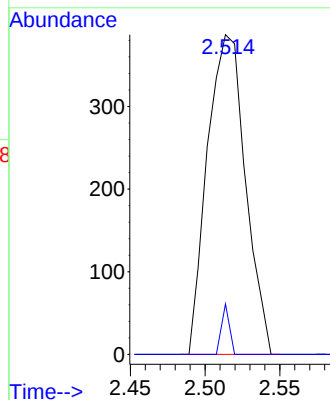
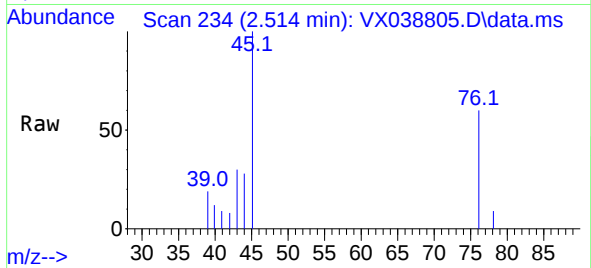




#17
Carbon Disulfide
Concen: 0.221 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

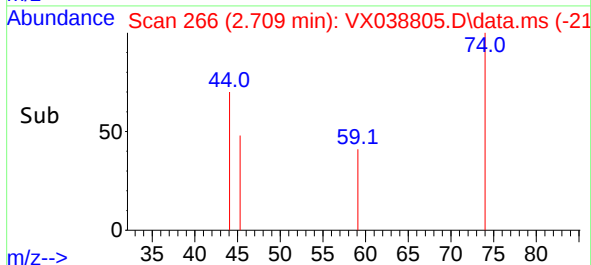
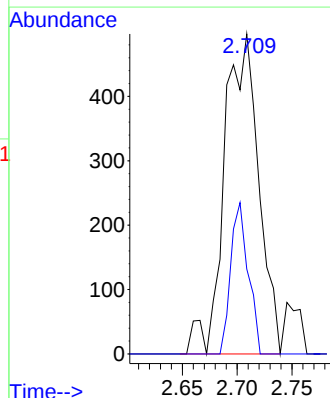
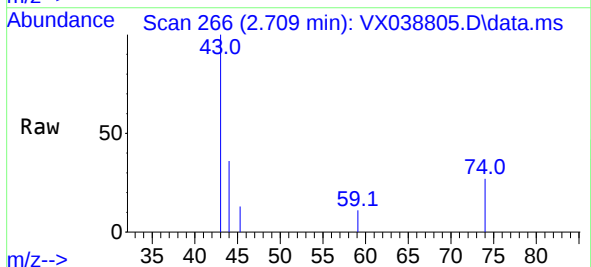
Instrument :
MSVOA_X
ClientSampleId :

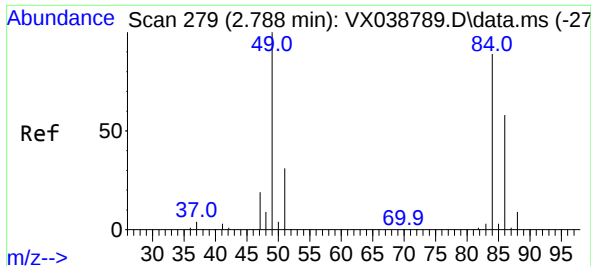
Tgt Ion: 76 Resp: 686
Ion Ratio Lower Upper
76 100
78 15.8 7.0 10.6#



#18
Methyl Acetate
Concen: 0.308 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

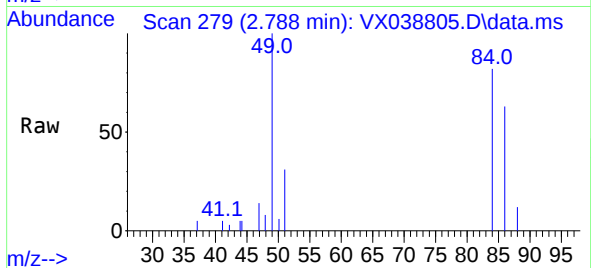
Tgt Ion: 43 Resp: 1086
Ion Ratio Lower Upper
43 100
74 24.0 17.8 26.8





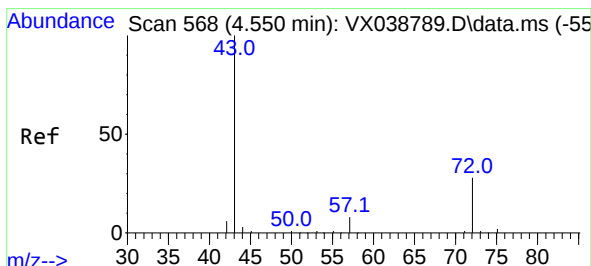
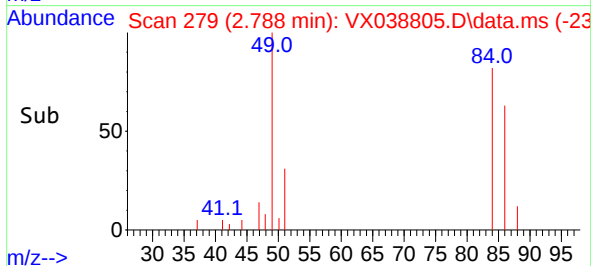
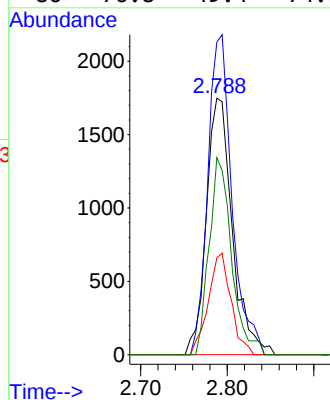
#20
Methylene Chloride
Concen: 2.569 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 3645

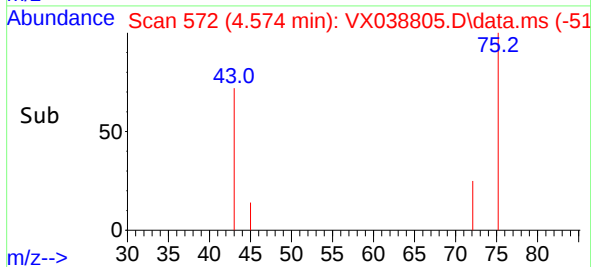
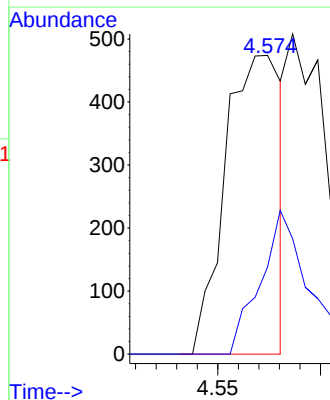
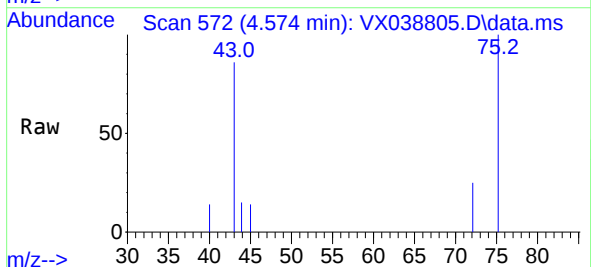
Ion	Ratio	Lower	Upper
84	100		
49	121.9	103.6	155.4
51	37.8	33.8	50.6
86	76.8	49.4	74.0

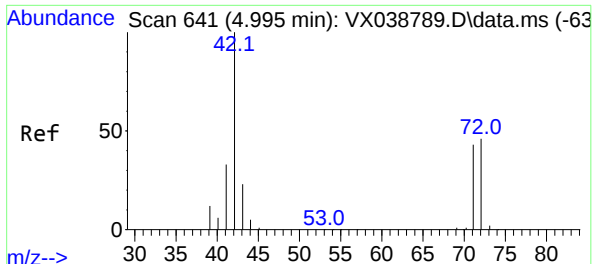


#25
2-Butanone
Concen: 0.796 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.024 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

Tgt Ion: 43 Resp: 898

Ion	Ratio	Lower	Upper
43	100		
72	29.1	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.326 ug/l

RT: 5.038 min Scan# 641

Delta R.T. 0.043 min

Lab File: VX038805.D

Acq: 14 Nov 2023 14:49

Instrument :

MSVOA_X

ClientSampleId :

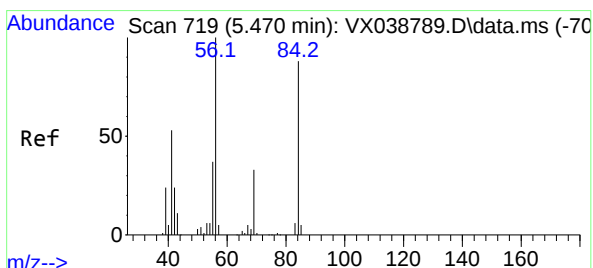
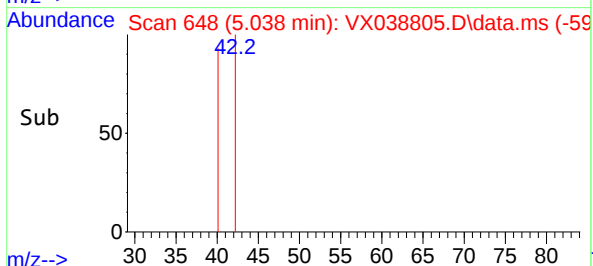
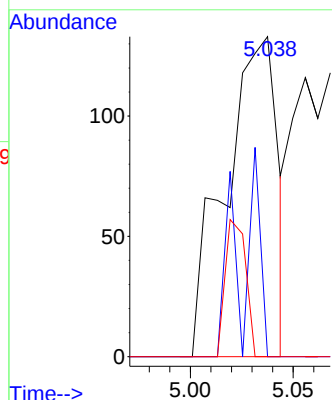
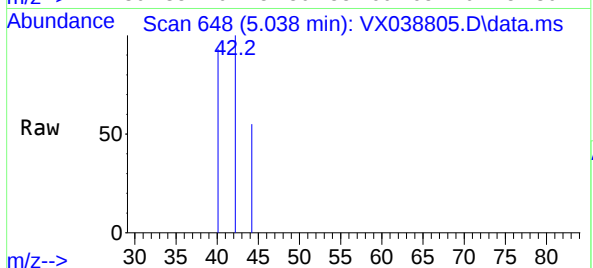
Tgt Ion: 42 Resp: 236

Ion Ratio Lower Upper

42 100

72 11.9 34.2 51.4#

71 16.9 32.2 48.2#



#31

Cyclohexane

Concen: 1.077 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX038805.D

Acq: 14 Nov 2023 14:49

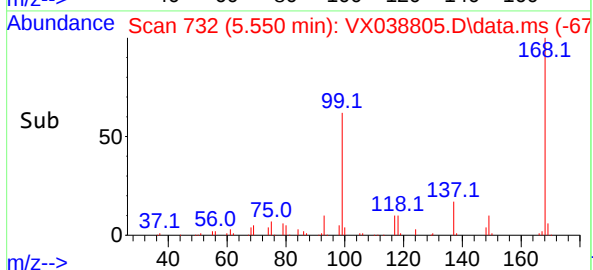
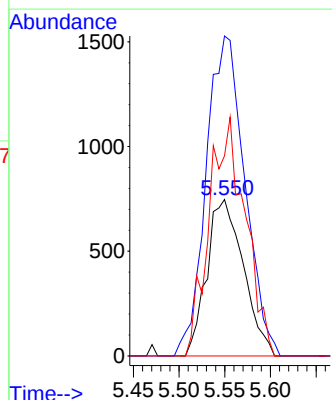
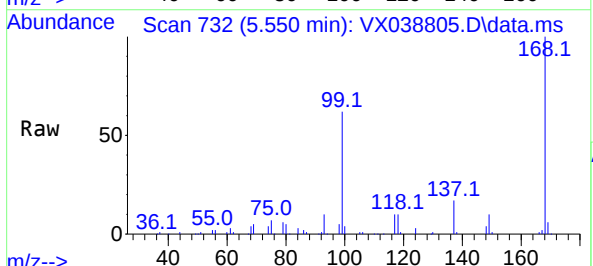
Tgt Ion: 56 Resp: 2077

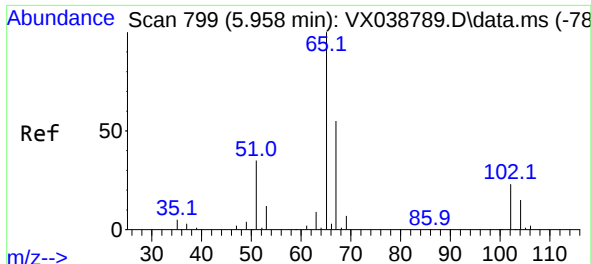
Ion Ratio Lower Upper

56 100

69 204.6 23.4 35.2#

84 128.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.570 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038805.D

Acq: 14 Nov 2023 14:49

Instrument :

MSVOA_X

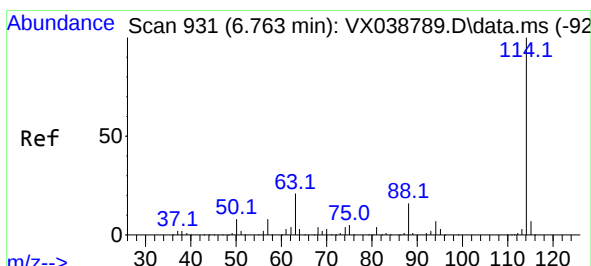
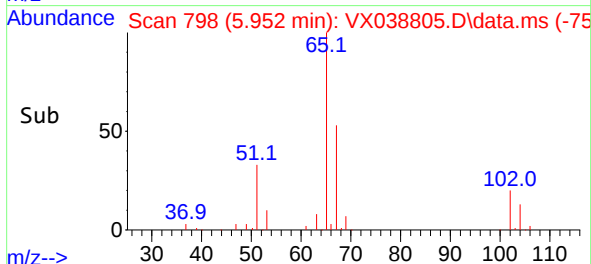
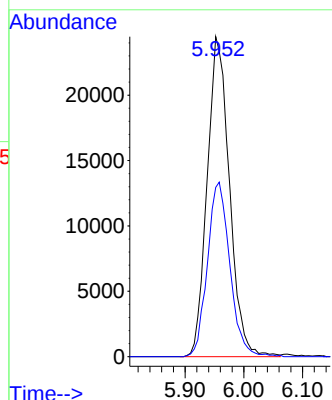
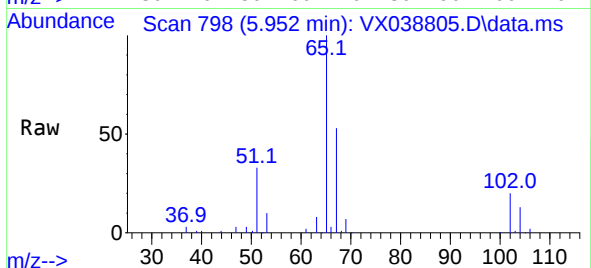
ClientSampleId :

Tgt Ion: 65 Resp: 64526

Ion Ratio Lower Upper

65 100

67 54.9 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX038805.D

Acq: 14 Nov 2023 14:49

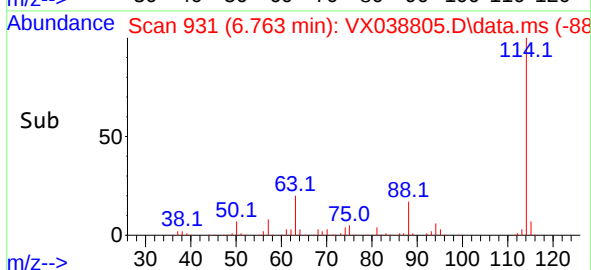
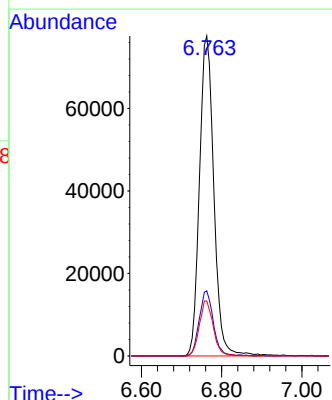
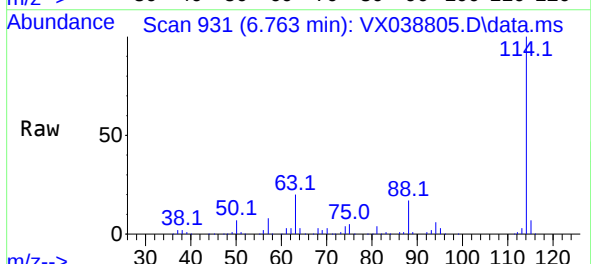
Tgt Ion: 114 Resp: 193239

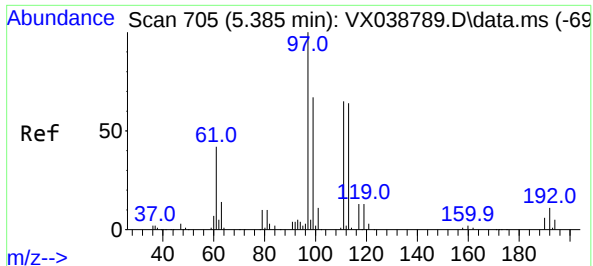
Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.0

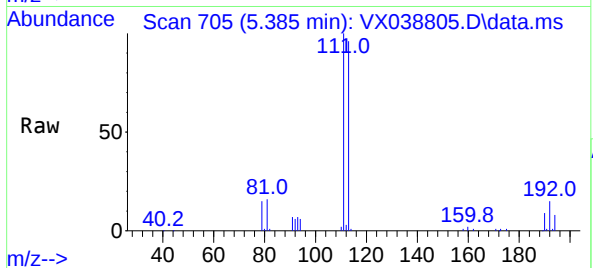
88 17.2 0.0 36.6





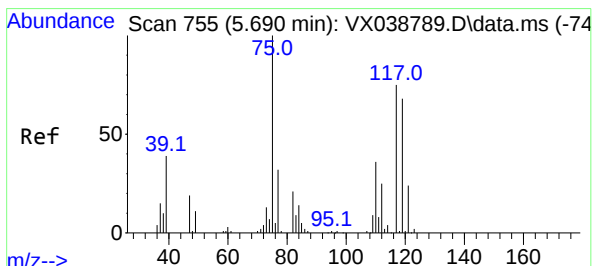
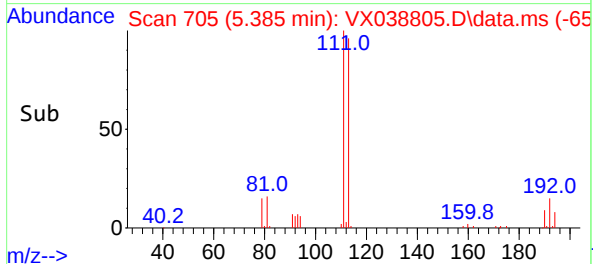
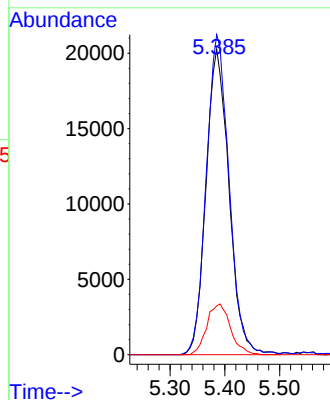
#35
Dibromofluoromethane
Concen: 44.389 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:113 Resp: 58928

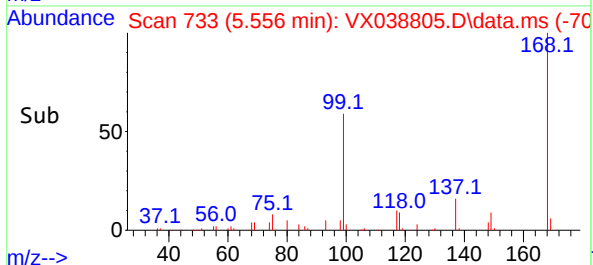
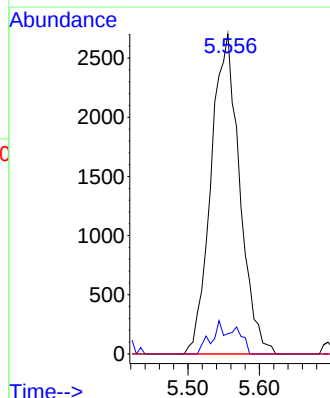
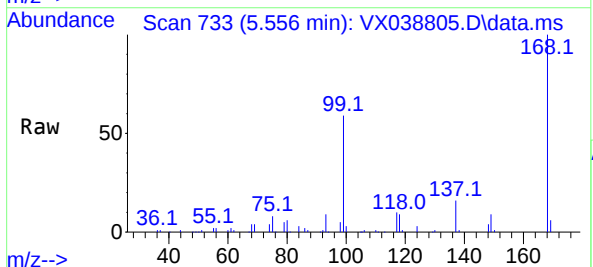
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.9	124.3
192	17.1	13.3	19.9

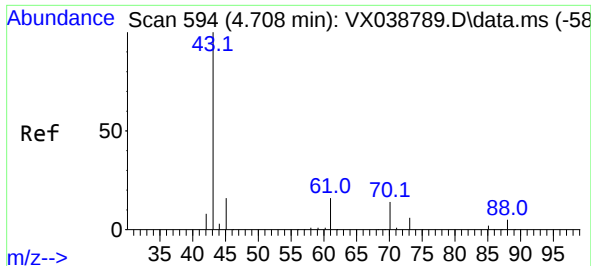


#36
1,1-Dichloropropene
Concen: 4.028 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

Tgt Ion: 75 Resp: 7517

Ion	Ratio	Lower	Upper
75	100		
110	5.1	17.0	50.9#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 1.250 ug/l

RT: 4.739 min Scan# 594

Delta R.T. 0.030 min

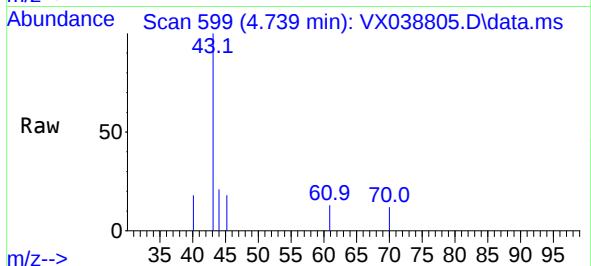
Lab File: VX038805.D

Acq: 14 Nov 2023 14:49

Instrument :

MSVOA_X

ClientSampleId :



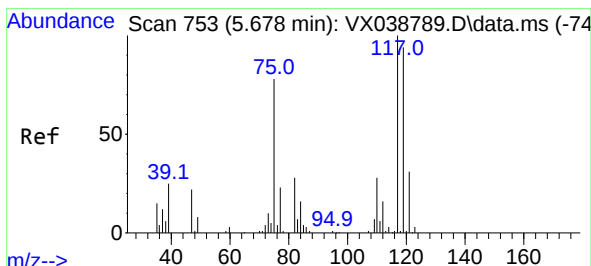
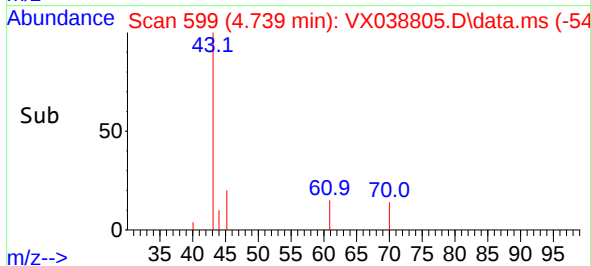
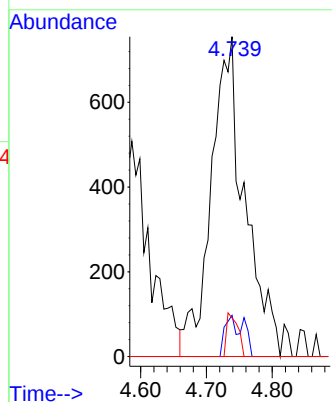
Tgt Ion: 43 Resp: 2675

Ion Ratio Lower Upper

43 100

61 4.9 10.6 16.0#

70 4.5 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.146 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX038805.D

Acq: 14 Nov 2023 14:49

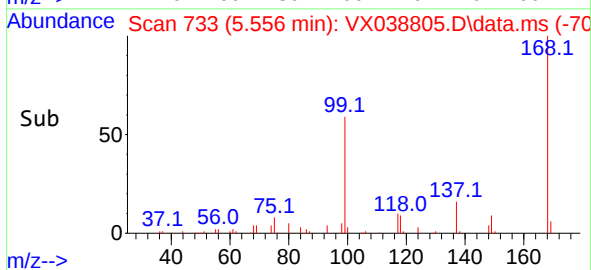
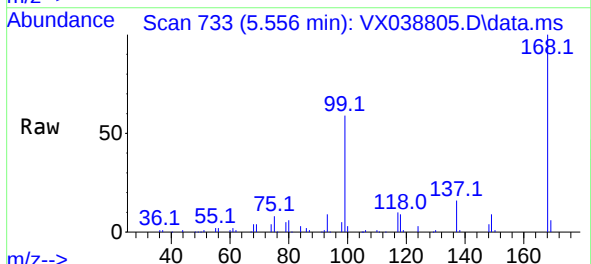
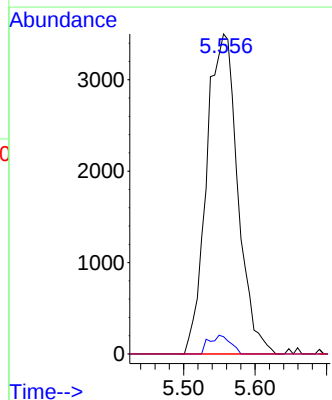
Tgt Ion: 117 Resp: 10603

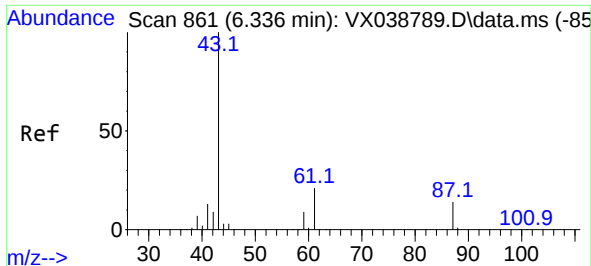
Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.2#

121 0.0 24.4 36.6#

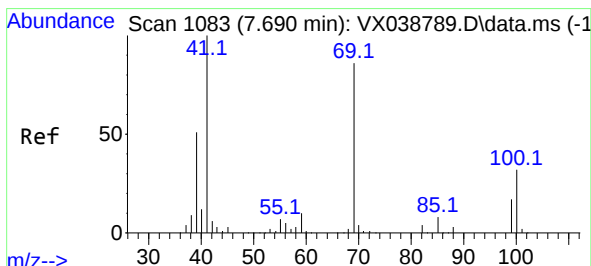
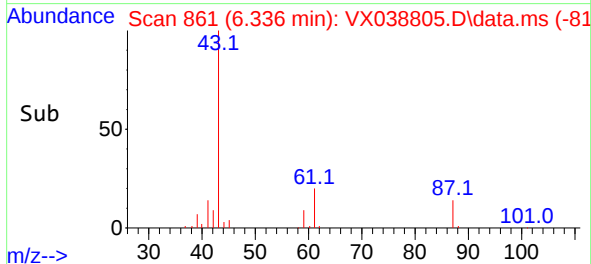
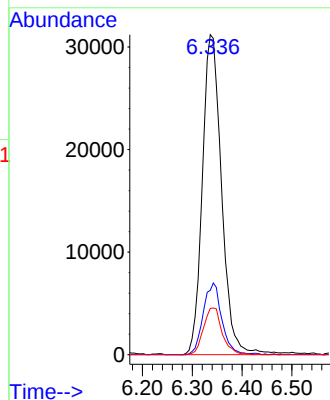
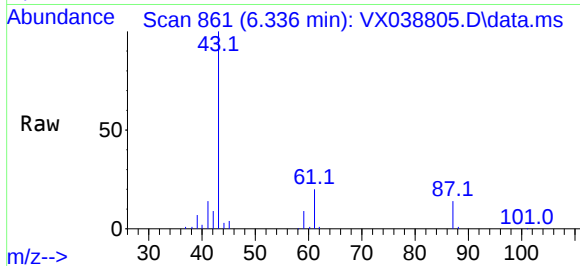




#43
Isopropyl Acetate
Concen: 25.929 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

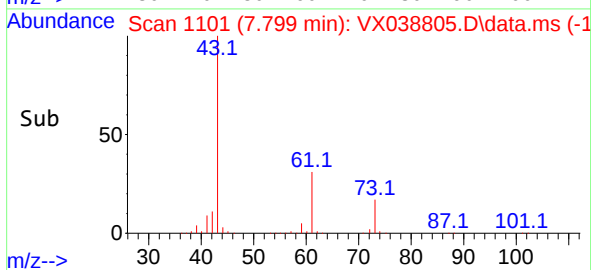
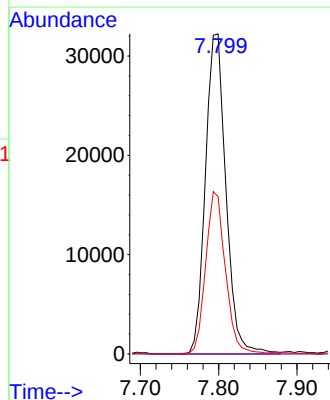
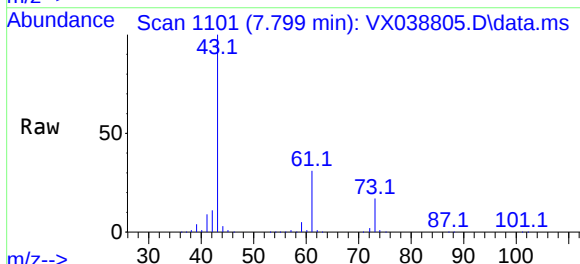
Instrument :
MSVOA_X
ClientSampleId :

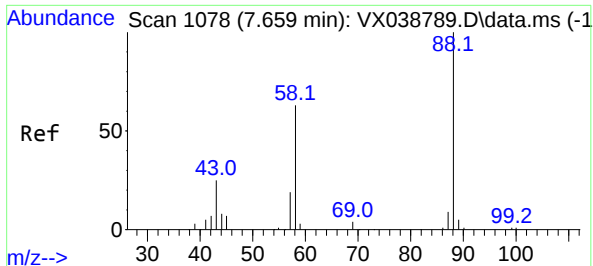
Tgt Ion: 43 Resp: 83591
Ion Ratio Lower Upper
43 100
61 21.5 15.2 22.8
87 14.2 9.8 14.6



#48
Methyl methacrylate
Concen: 37.164 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

Tgt Ion: 41 Resp: 58638
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 48.7 47.7 71.5





#49

1,4-Dioxane

Concen: 2.837 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX038805.D

Acq: 14 Nov 2023 14:49

Instrument :

MSVOA_X

ClientSampleId :

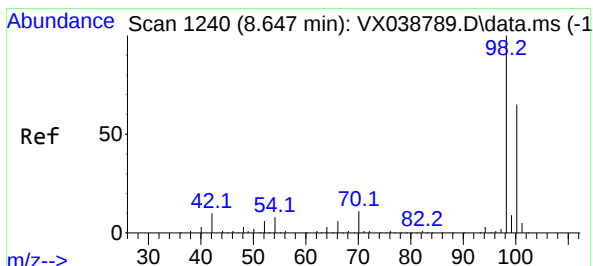
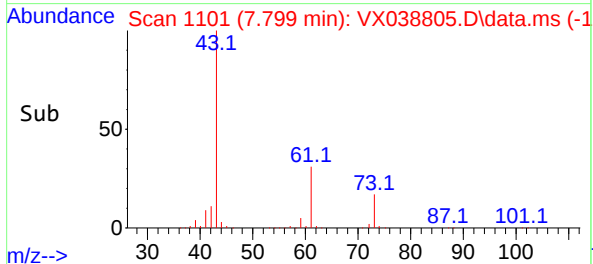
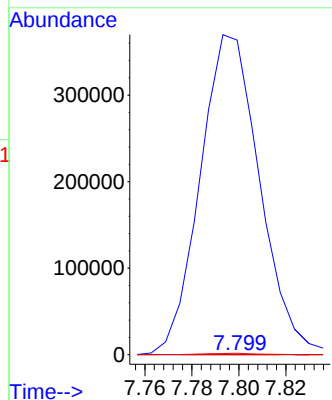
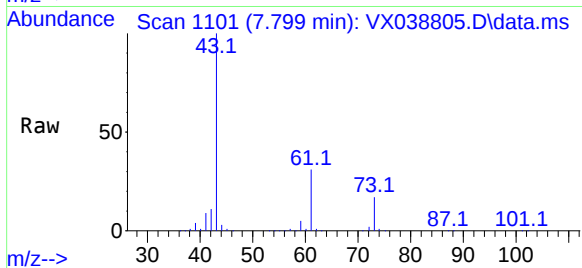
Tgt Ion: 88 Resp: 91

Ion Ratio Lower Upper

88 100

43 729914.3 0.0 0.0#

58 2817.6 60.1 90.1#



#50

Toluene-d8

Concen: 47.287 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX038805.D

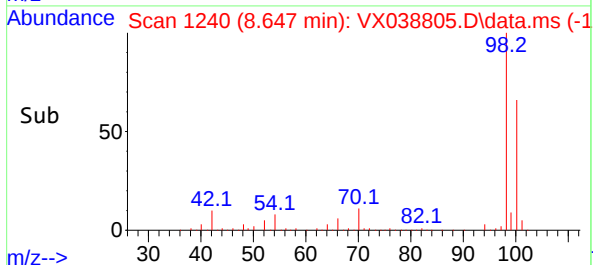
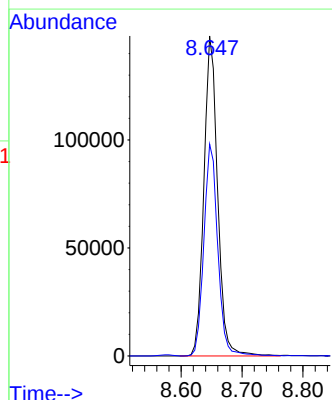
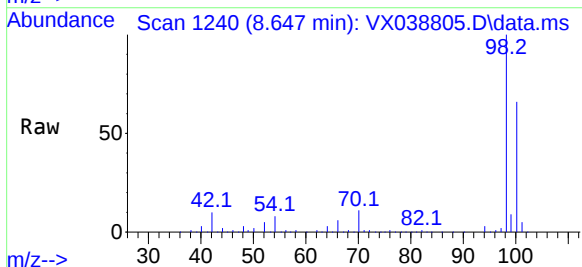
Acq: 14 Nov 2023 14:49

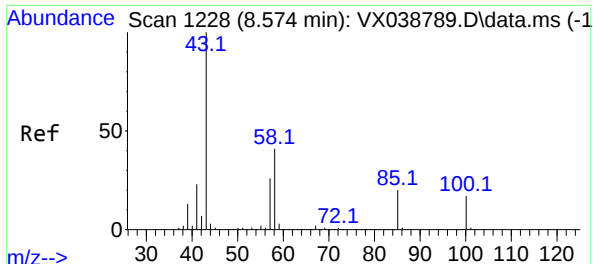
Tgt Ion: 98 Resp: 232529

Ion Ratio Lower Upper

98 100

100 67.2 53.1 79.7

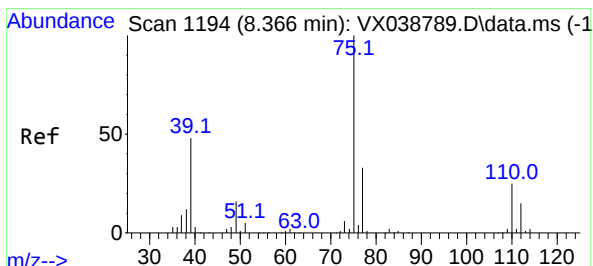
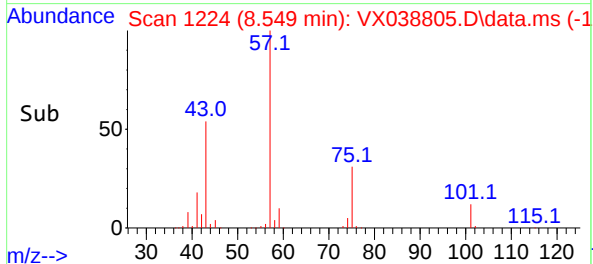
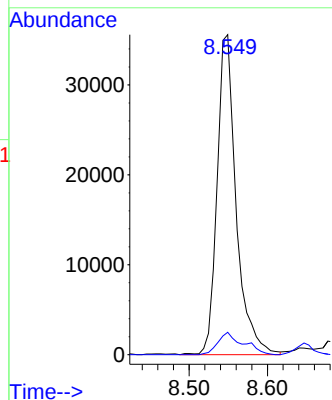
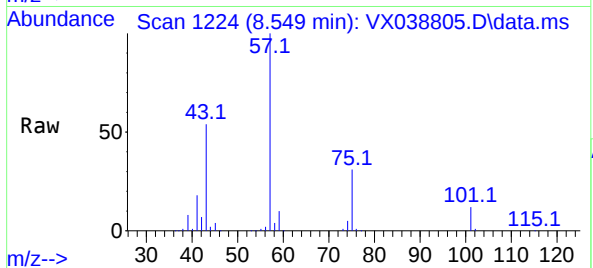




#51
4-Methyl-2-Pentanone
Concen: 27.731 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

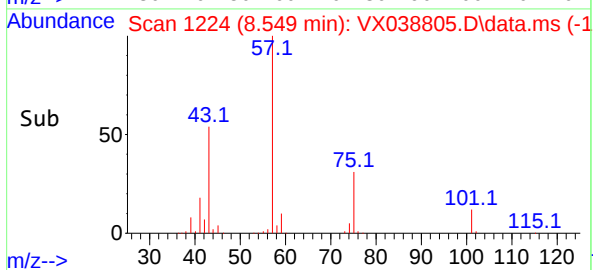
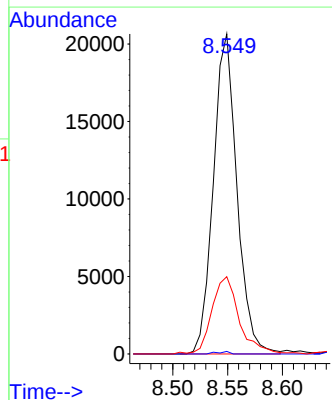
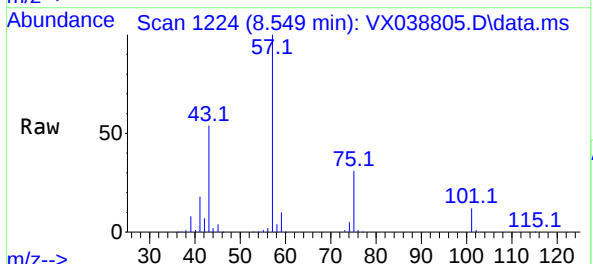
Instrument :
MSVOA_X
ClientSampleId :

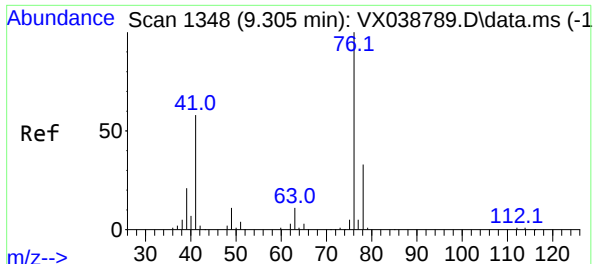
Tgt Ion: 43 Resp: 60411
Ion Ratio Lower Upper
43 100
58 9.2 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 14.906 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

Tgt Ion: 75 Resp: 30937
Ion Ratio Lower Upper
75 100
77 0.8 25.3 37.9#
39 23.7 46.7 70.1#

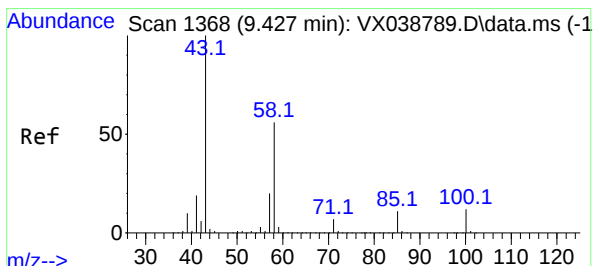
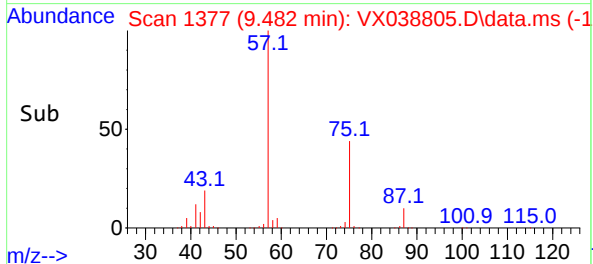
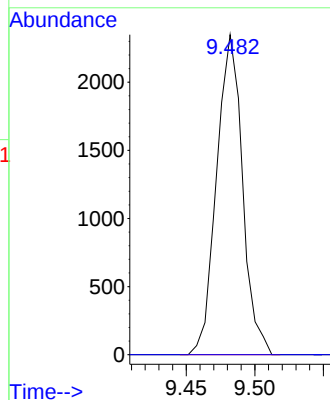
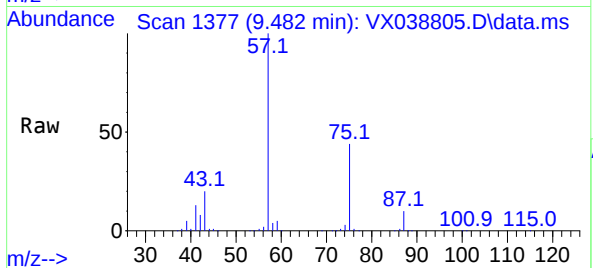




#57
1,3-Dichloropropane
Concen: 1.350 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.177 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

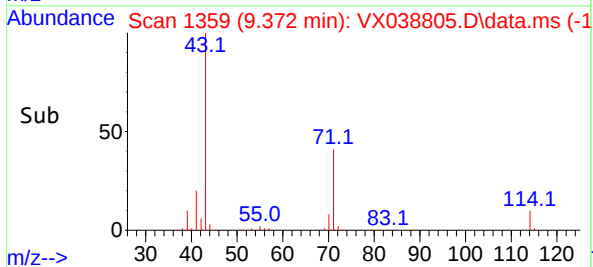
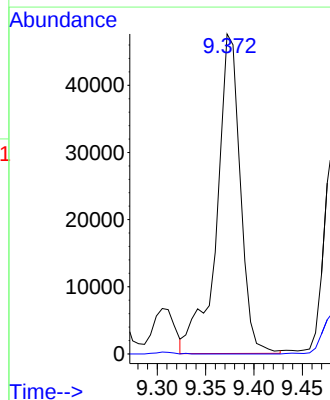
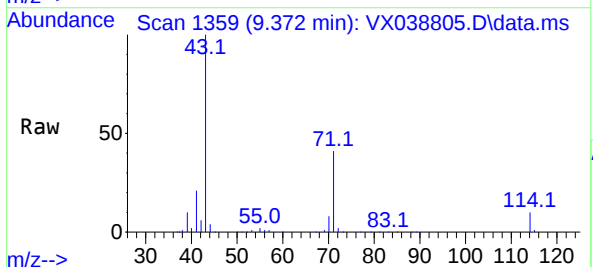
Instrument :
MSVOA_X
ClientSampleId :

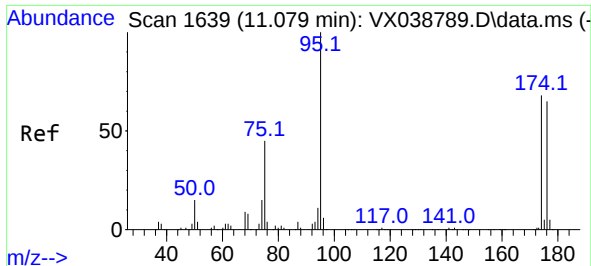
Tgt Ion: 76 Resp: 3087
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 45.783 ug/l
RT: 9.372 min Scan# 1359
Delta R.T. -0.055 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

Tgt Ion: 43 Resp: 80373
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#

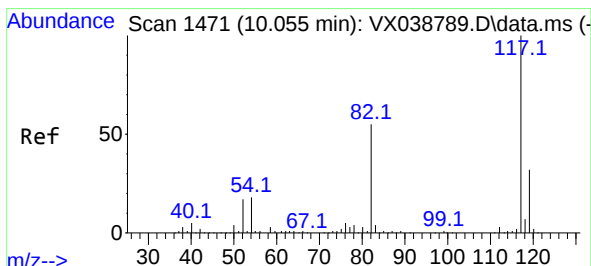
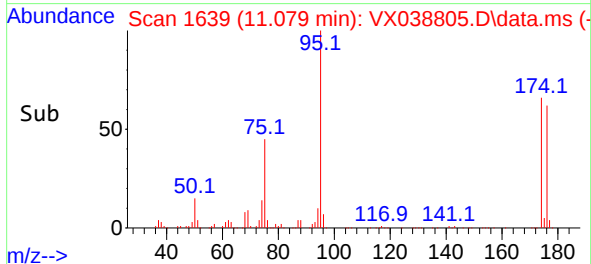
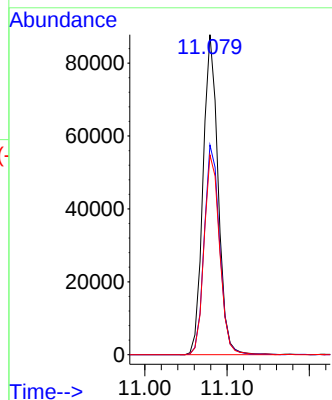
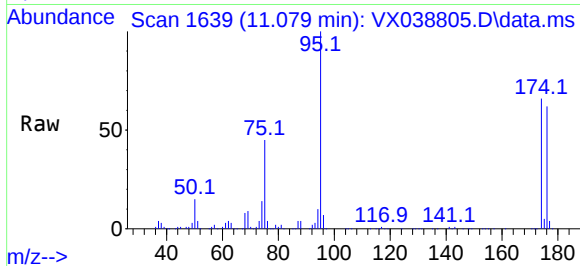




#62
4-Bromofluorobenzene
Concen: 54.217 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

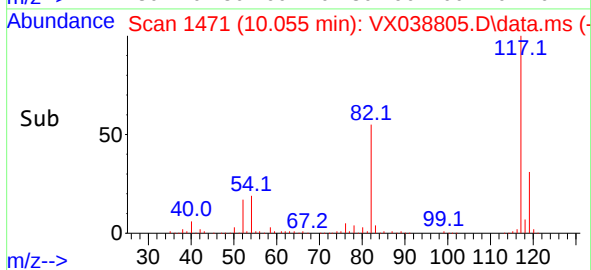
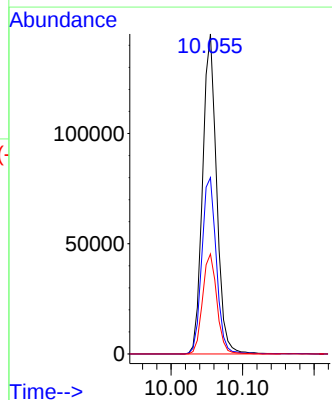
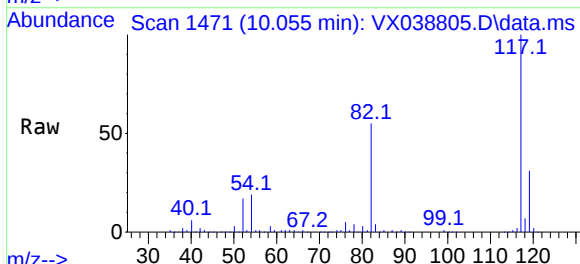
Instrument :
MSVOA_X
ClientSampleId :

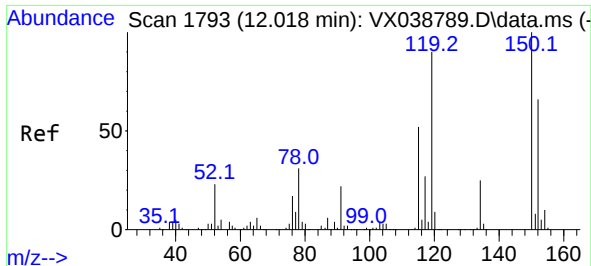
Tgt Ion: 95 Resp: 111469
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.6
176 64.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

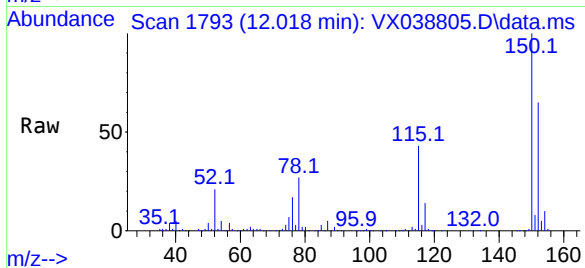
Tgt Ion: 117 Resp: 197775
Ion Ratio Lower Upper
117 100
82 55.1 46.2 69.4
119 31.3 25.5 38.3



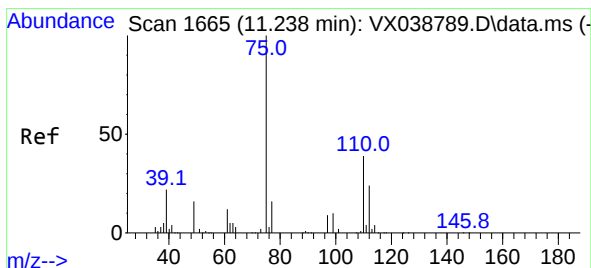
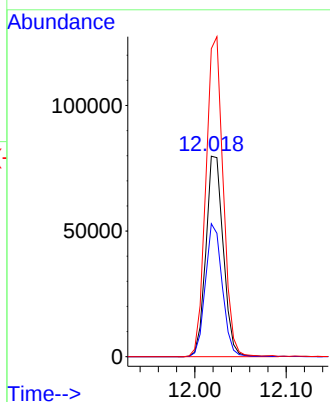
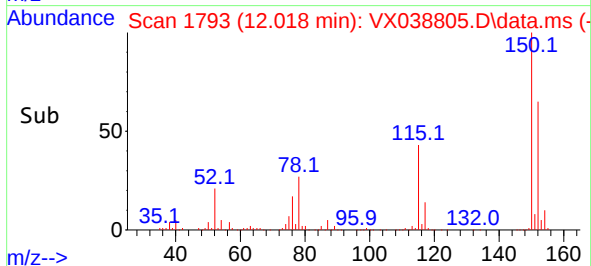


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

Instrument :
MSVOA_X
ClientSampleId :

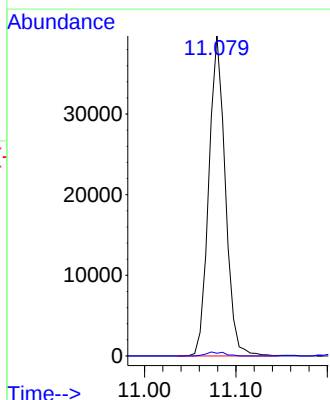
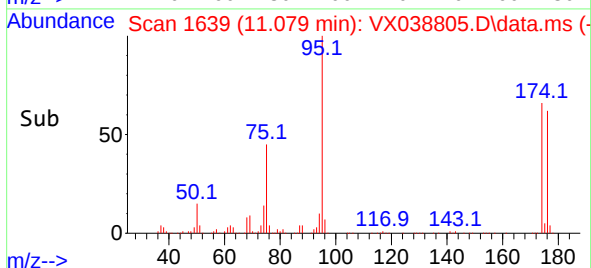
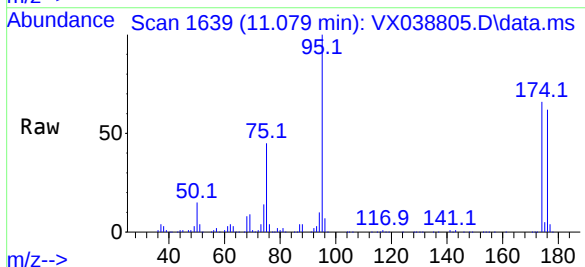


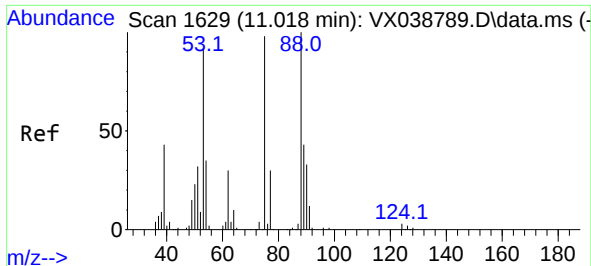
Tgt Ion:152 Resp: 105354
Ion Ratio Lower Upper
152 100
115 64.6 43.3 129.9
150 158.3 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 22.064 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038805.D
Acq: 14 Nov 2023 14:49

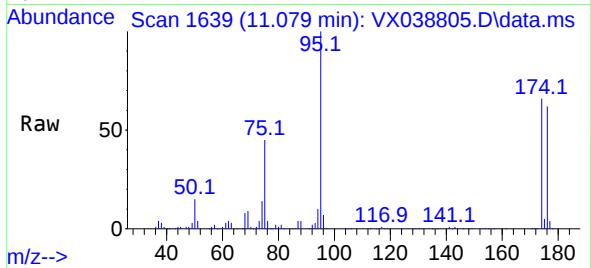
Tgt Ion: 75 Resp: 49634
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.401 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX038805.D
 Acq: 14 Nov 2023 14:49

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 49634
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

