

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111423\
 Data File : VX038803.D
 Acq On : 14 Nov 2023 14:03
 Operator : JC/MD
 Sample : PB157075TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

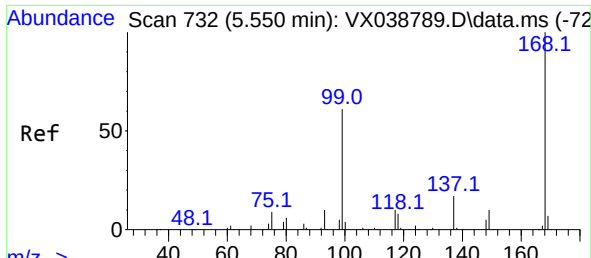
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 14 18:28:34 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)

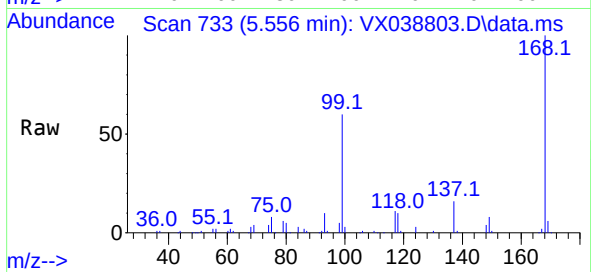
Internal Standards						
1) Pentafluorobenzene	5.556	168	99578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	188732	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	63848	45.069	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.140%
35) Dibromofluoromethane	5.391	113	57519	44.362	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.720%
50) Toluene-d8	8.647	98	232246	48.358	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.720%
62) 4-Bromofluorobenzene	11.079	95	108142	53.855	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.700%
Target Compounds						
					Qvalue	
6) Chloroethane	1.678	64	306	0.495	ug/l #	43
11) Tert butyl alcohol	2.947	59	1106	3.055	ug/l #	89
15) Acrylonitrile	3.075	53	243	0.308	ug/l #	80
16) Acetone	2.373	43	30661	40.390	ug/l #	89
17) Carbon Disulfide	2.514	76	1287	0.415	ug/l #	94
18) Methyl Acetate	2.703	43	1210	0.343	ug/l	94
20) Methylene Chloride	2.788	84	6163	4.341	ug/l	90
25) 2-Butanone	4.562	43	3457	3.064	ug/l #	85
29) Tetrahydrofuran	5.025	42	519	0.717	ug/l #	47
36) 1,1-Dichloropropene	5.556	75	7818	4.289	ug/l #	49
37) Ethyl Acetate	4.727	43	3020	1.445	ug/l #	84
38) Carbon Tetrachloride	5.556	117	10304	6.115	ug/l #	16
43) Isopropyl Acetate	6.336	43	92855	29.490	ug/l	95
48) Methyl methacrylate	7.793	41	75592	49.053	ug/l #	45
49) 1,4-Dioxane	7.793	88	94	3.000	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	63704	29.941	ug/l #	47
53) t-1,3-Dichloropropene	8.952	75	792	0.435	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	31393	15.487	ug/l #	50
57) 1,3-Dichloropropane	9.482	76	3804	1.703	ug/l #	42
59) 2-Hexanone	9.482	43	49267	28.734	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	49319	21.638	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	49319	62.175	ug/l #	5
89) n-Butylbenzene	12.335	91	1389	0.228	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	804	0.371	ug/l	84
94) Hexachlorobutadiene	13.725	225	436	0.529	ug/l	95
95) Naphthalene	13.780	128	2201	0.283	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.963	180	772	0.362	ug/l	95

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

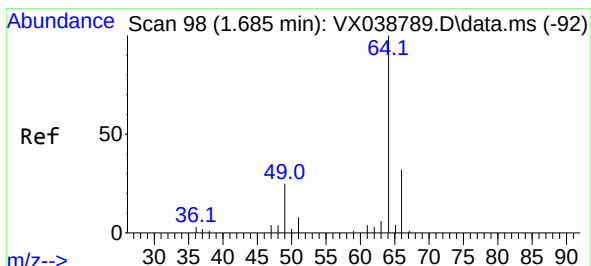
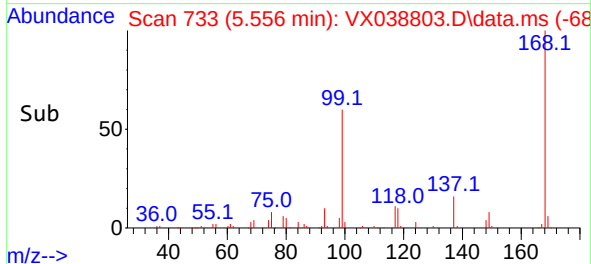
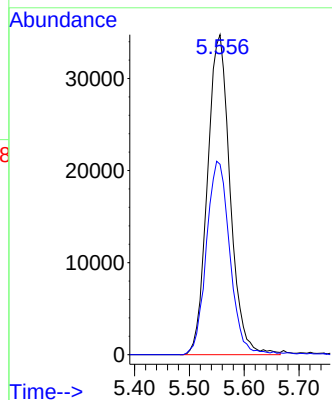


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

Instrument :
MSVOA_X
ClientSampleId :

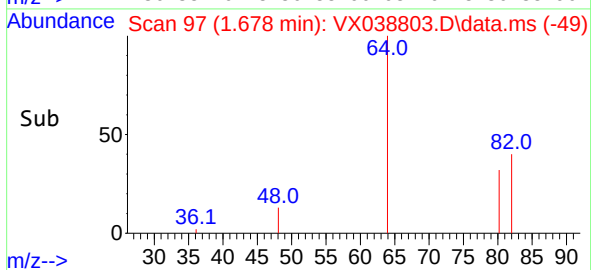
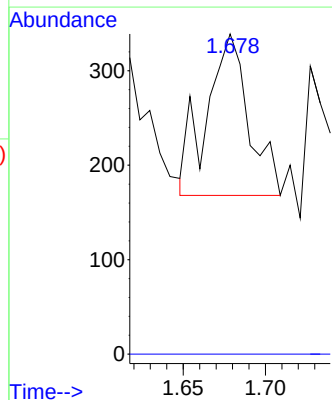
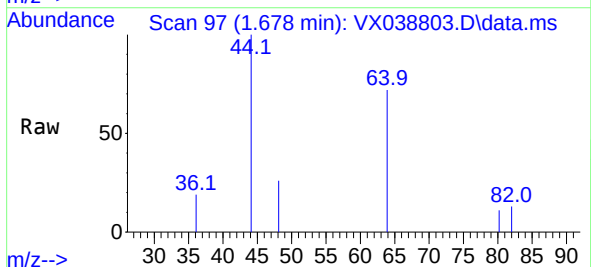


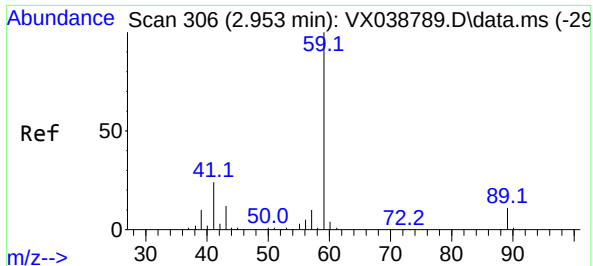
Tgt Ion:168 Resp: 99578
Ion Ratio Lower Upper
168 100
99 59.5 56.6 85.0



#6
Chloroethane
Concen: 0.495 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.007 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

Tgt Ion: 64 Resp: 306
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

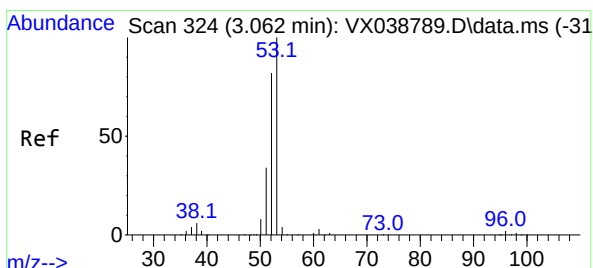
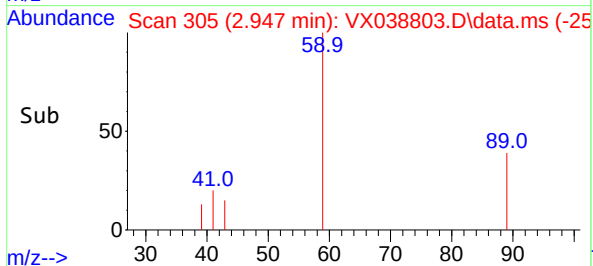
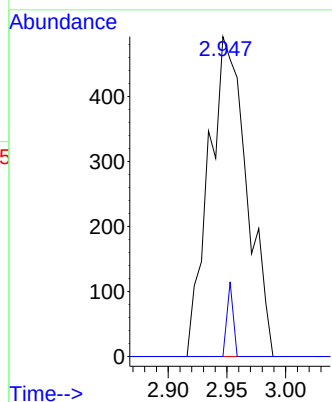
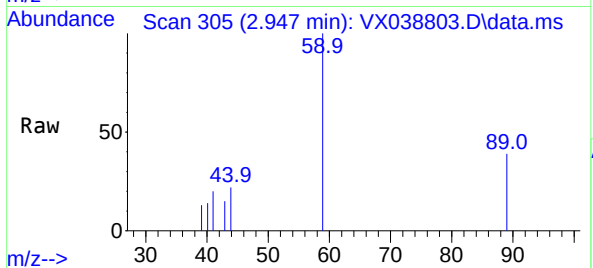




#11
Tert butyl alcohol
Concen: 3.055 ug/l
RT: 2.947 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

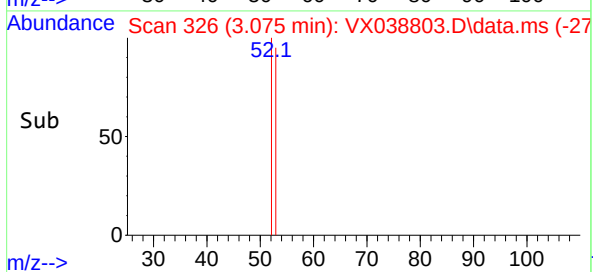
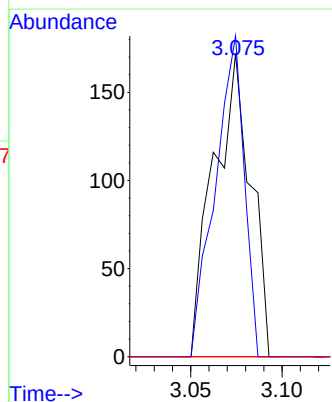
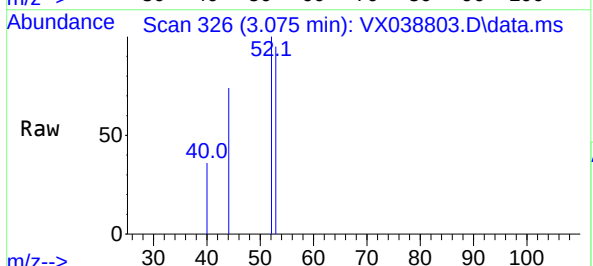
Instrument :
MSVOA_X
ClientSampleId :

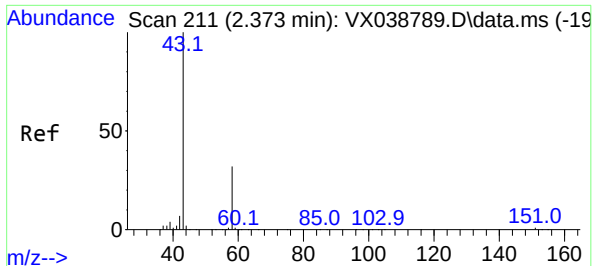
Tgt Ion: 59 Resp: 1106
Ion Ratio Lower Upper
59 100
57 3.8 6.0 9.0#



#15
Acrylonitrile
Concen: 0.308 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.012 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

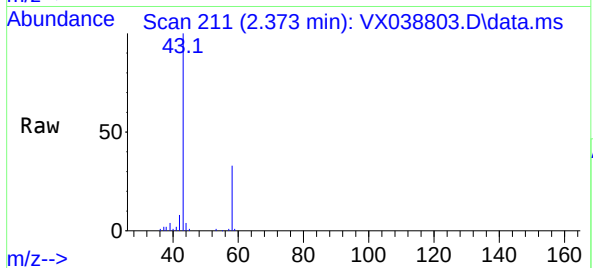
Tgt Ion: 53 Resp: 243
Ion Ratio Lower Upper
53 100
52 82.7 66.0 99.0
51 0.0 29.8 44.6#



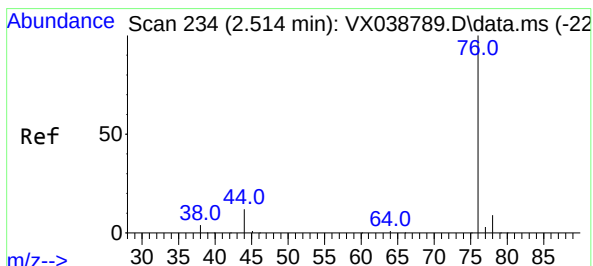
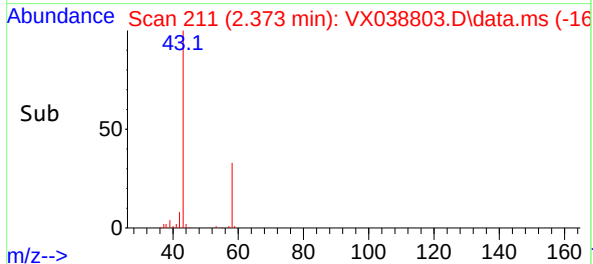
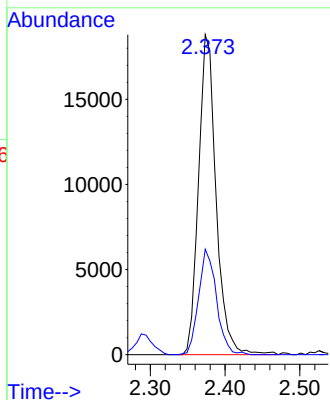


#16
Acetone
Concen: 40.390 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

Instrument :
MSVOA_X
ClientSampleId :

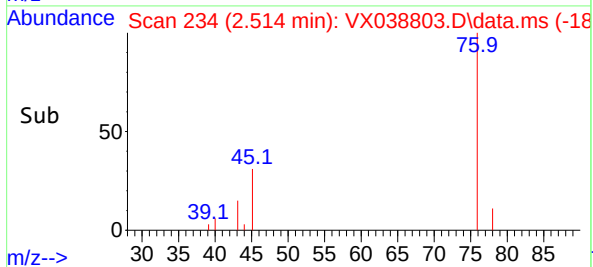
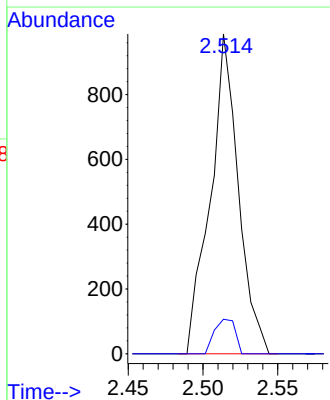
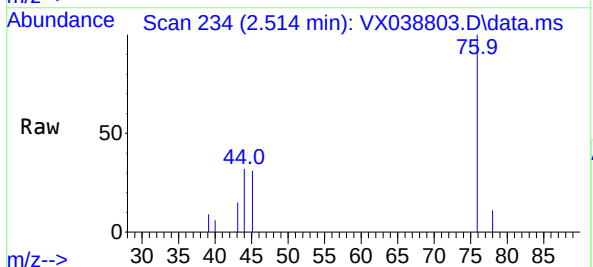


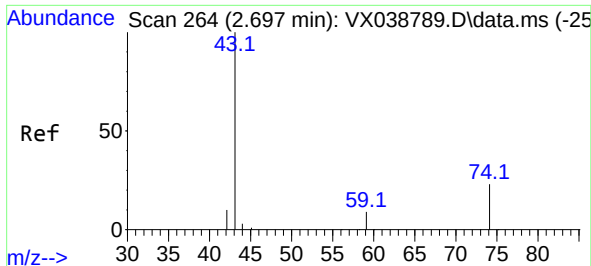
Tgt Ion: 43 Resp: 30661
Ion Ratio Lower Upper
43 100
58 32.9 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.415 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

Tgt Ion: 76 Resp: 1287
Ion Ratio Lower Upper
76 100
78 10.8 7.0 10.6#

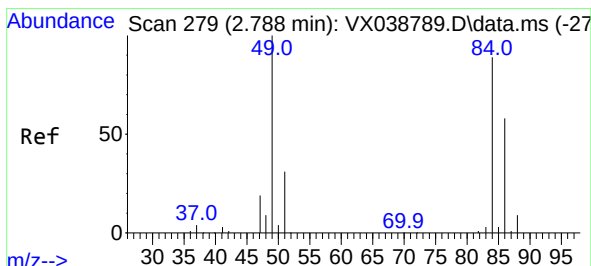
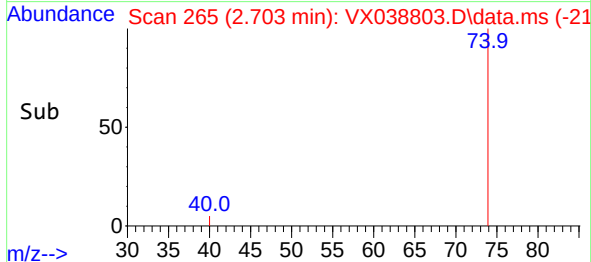
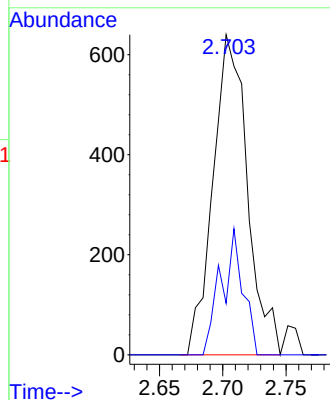
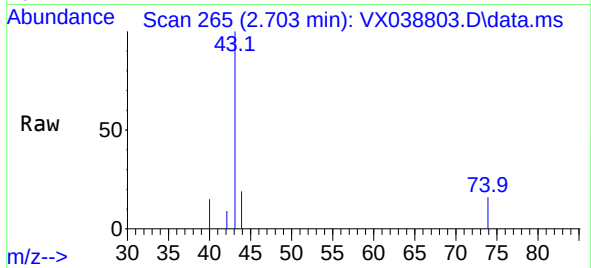




#18
Methyl Acetate
Concen: 0.343 ug/l
RT: 2.703 min Scan# 210
Delta R.T. 0.006 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

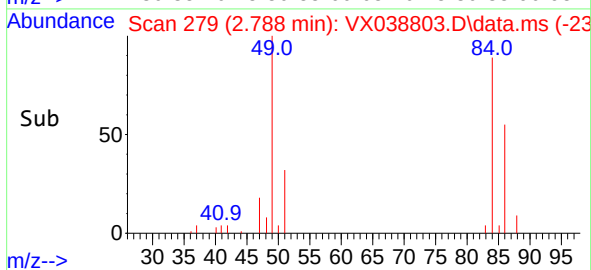
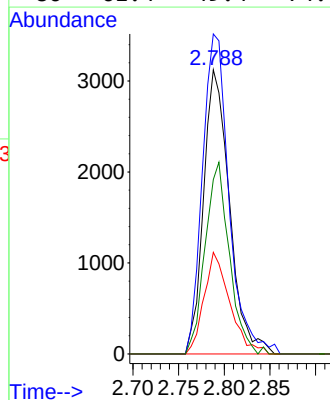
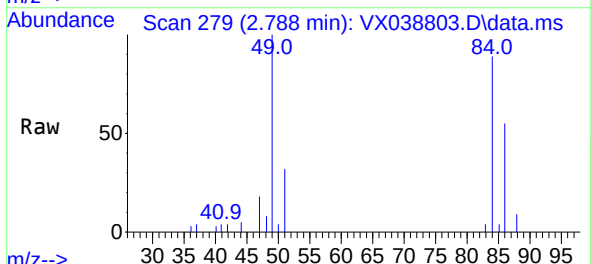
Instrument :
MSVOA_X
ClientSampleId :

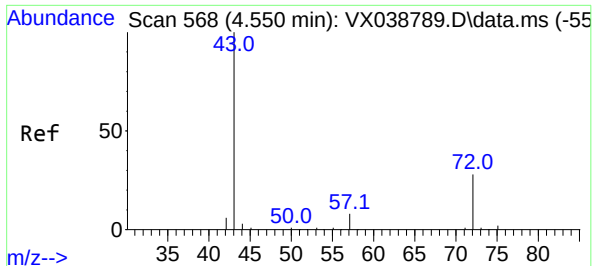
Tgt Ion: 43 Resp: 1210
Ion Ratio Lower Upper
43 100
74 25.0 17.8 26.8



#20
Methylene Chloride
Concen: 4.341 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

Tgt Ion: 84 Resp: 6163
Ion Ratio Lower Upper
84 100
49 112.6 103.6 155.4
51 35.8 33.8 50.6
86 61.4 49.4 74.0





#25

2-Butanone

Concen: 3.064 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.012 min

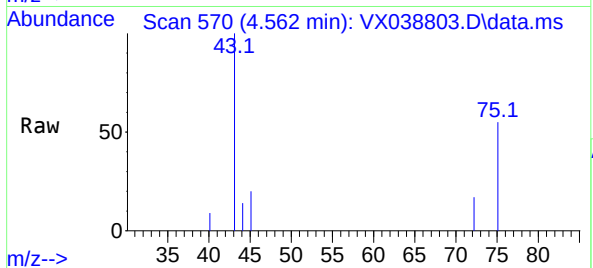
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Acq: 14 Nov 2023 14:03

Instrument :

MSVOA_X

ClientSampleId :

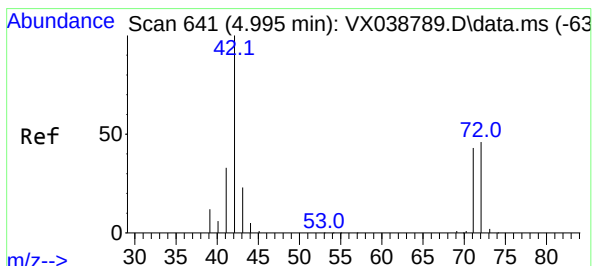
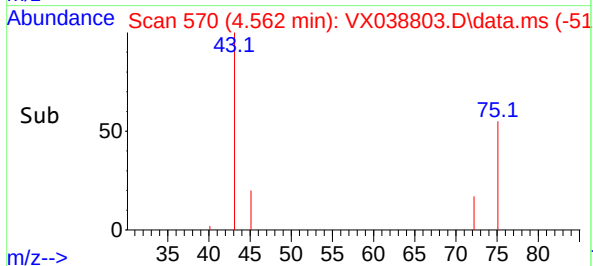
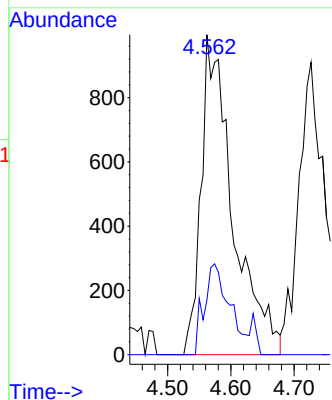


Tgt Ion: 43 Resp: 3457

Ion Ratio Lower Upper

43 100

72 17.1 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.717 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.030 min

Lab File: VX038803.D

Acq: 14 Nov 2023 14:03

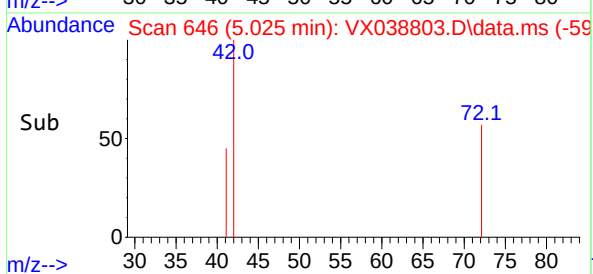
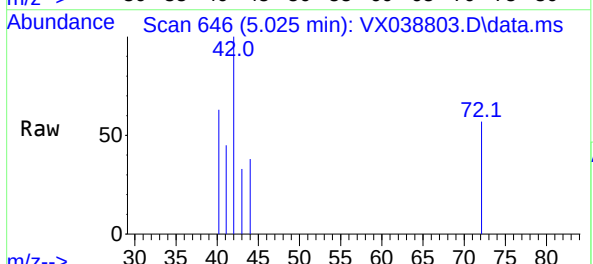
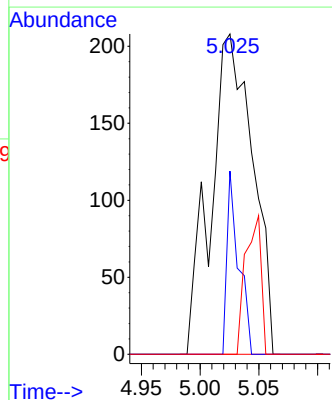
Tgt Ion: 42 Resp: 519

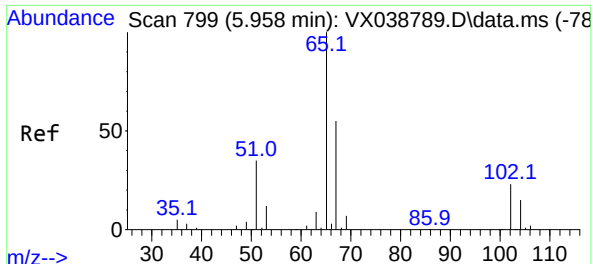
Ion Ratio Lower Upper

42 100

72 16.0 34.2 51.4#

71 0.0 32.2 48.2#

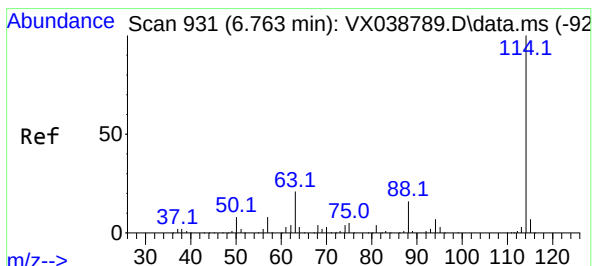
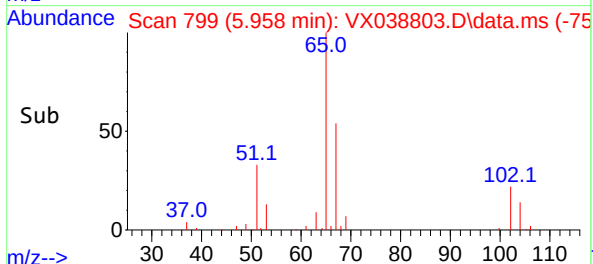
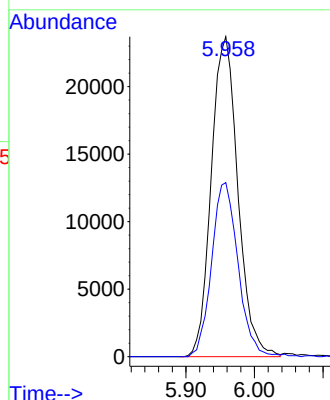
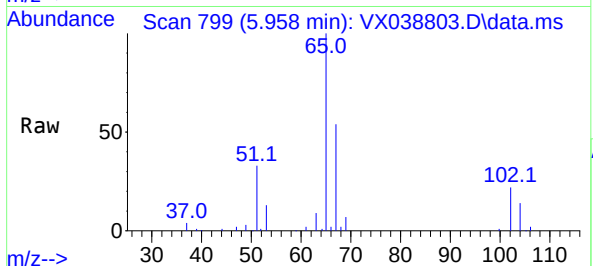




#33
 1,2-Dichloroethane-d4
 Concen: 45.069 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038803.D
 Acq: 14 Nov 2023 14:03

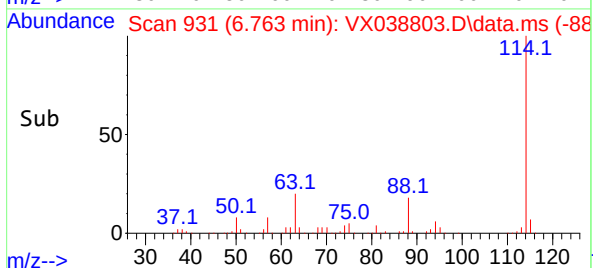
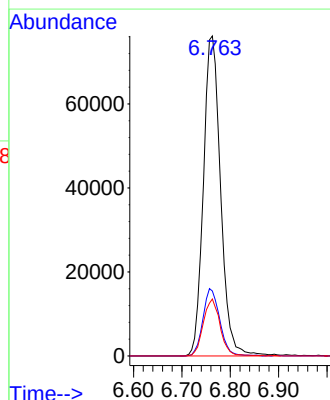
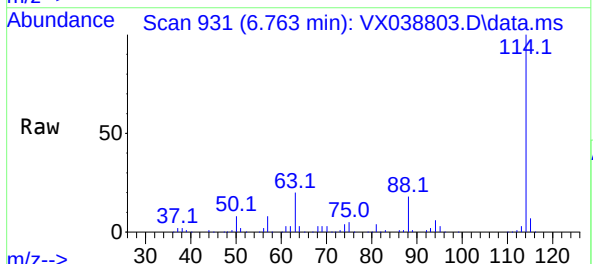
Instrument :
 MSVOA_X
 ClientSampleId :

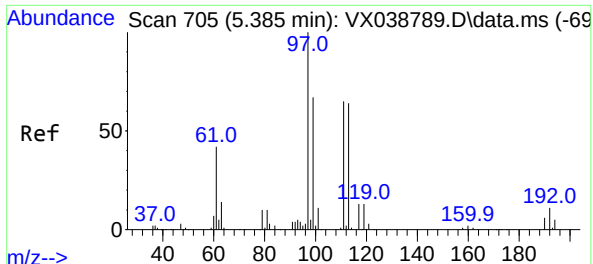
Tgt Ion: 65 Resp: 63848
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX038803.D
 Acq: 14 Nov 2023 14:03

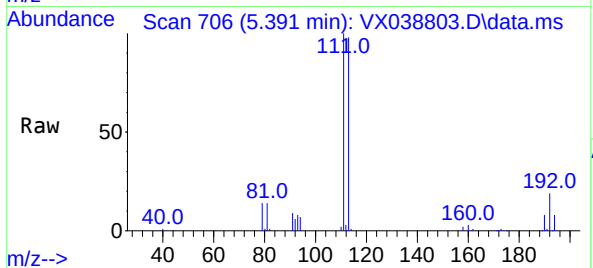
Tgt Ion: 114 Resp: 188732
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 45.0
 88 17.8 0.0 36.6



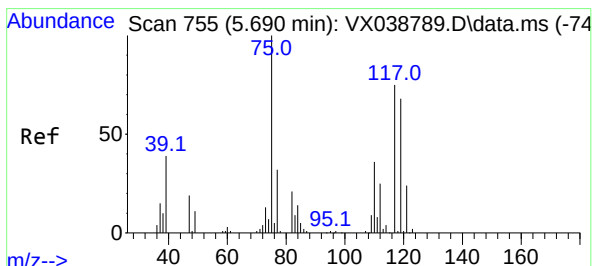
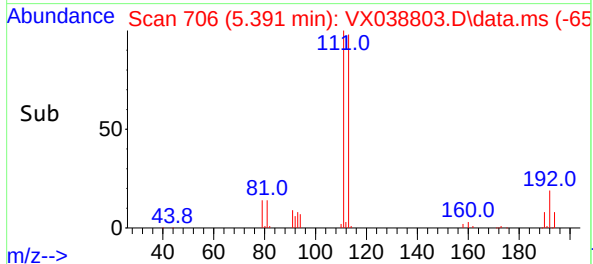
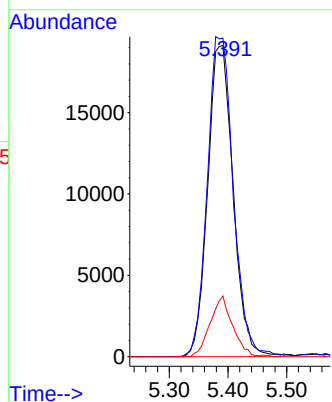


#35
Dibromofluoromethane
Concen: 44.362 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

Instrument :
MSVOA_X
ClientSampleId :

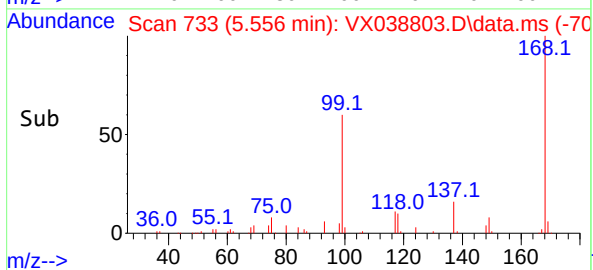
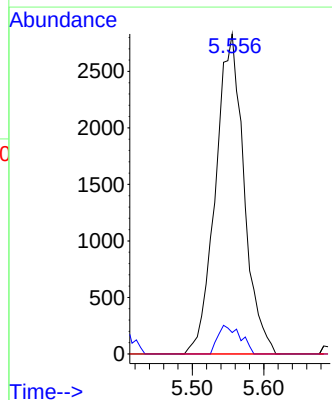
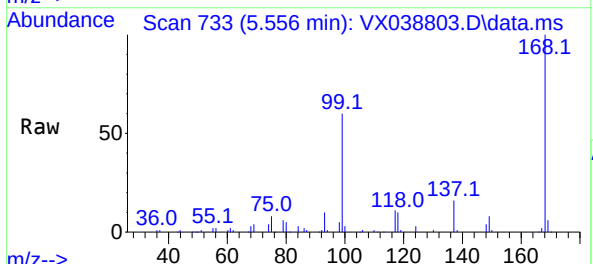


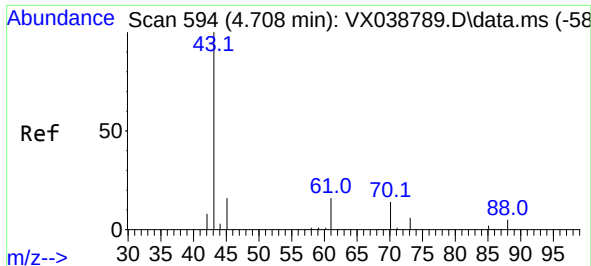
Tgt Ion:113 Resp: 57519
Ion Ratio Lower Upper
113 100
111 105.1 82.9 124.3
192 17.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.289 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

Tgt Ion: 75 Resp: 7818
Ion Ratio Lower Upper
75 100
110 7.0 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.445 ug/l

RT: 4.727 min Scan# 594

Delta R.T. 0.018 min

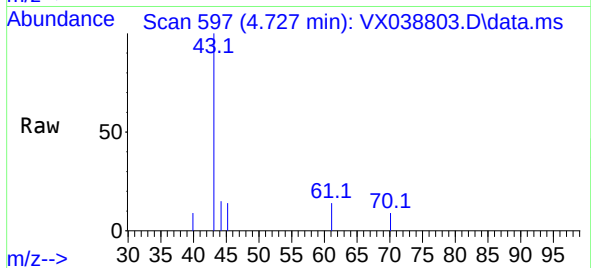
Lab File: VX038803.D

Acq: 14 Nov 2023 14:03

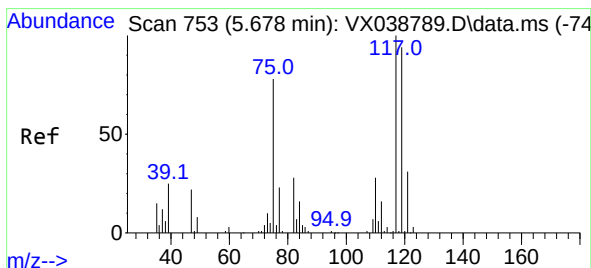
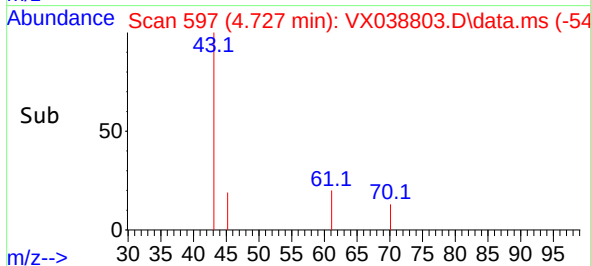
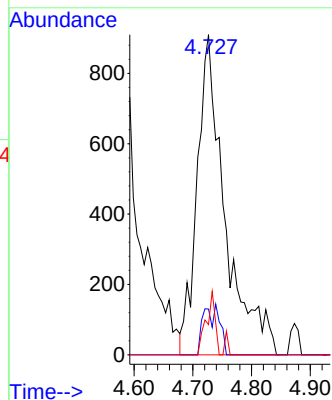
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	3020
Ion	Ratio	Lower	Upper
43	100		
61	5.3	10.6	16.0#
70	6.3	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 6.115 ug/l

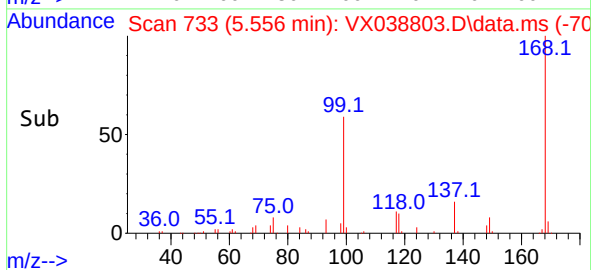
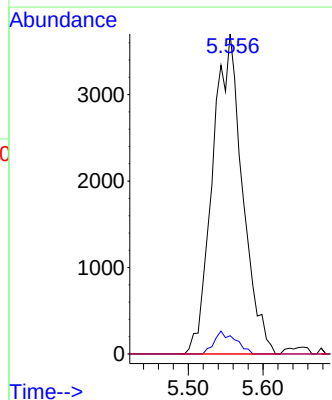
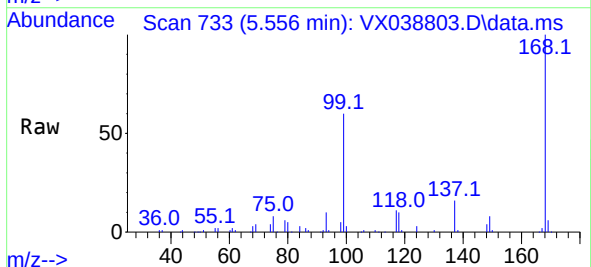
RT: 5.556 min Scan# 733

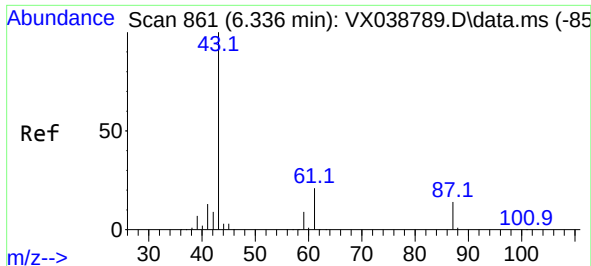
Delta R.T. -0.122 min

Lab File: VX038803.D

Acq: 14 Nov 2023 14:03

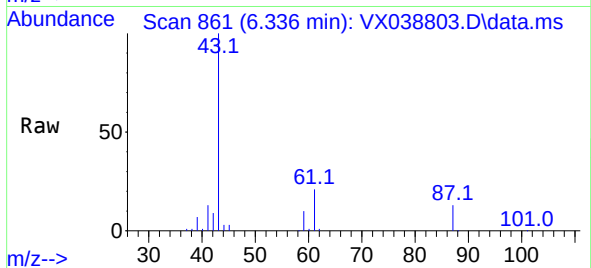
Tgt Ion:	117	Resp:	10304
Ion	Ratio	Lower	Upper
117	100		
119	5.7	78.2	117.2#
121	0.0	24.4	36.6#



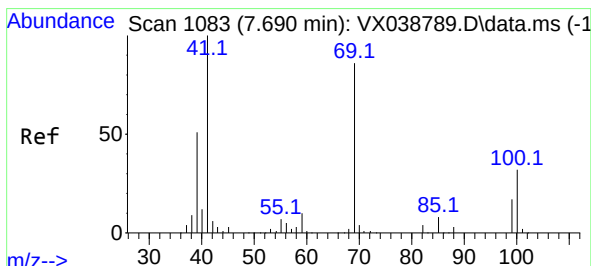
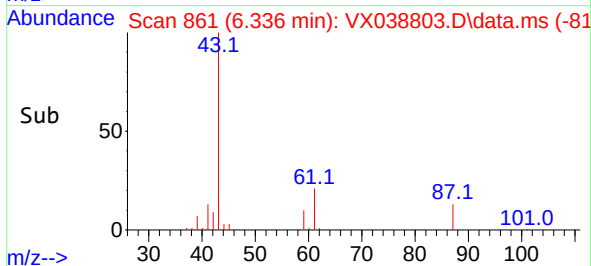
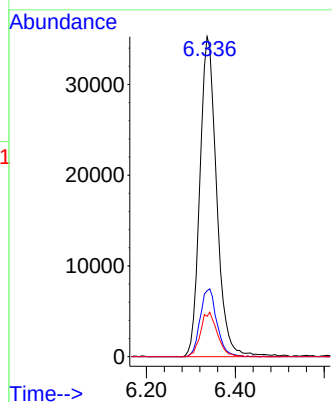


#43
Isopropyl Acetate
Concen: 29.490 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

Instrument :
MSVOA_X
ClientSampleId :

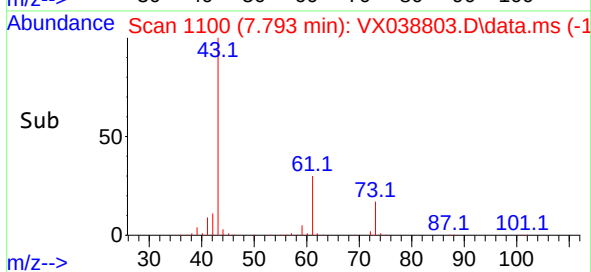
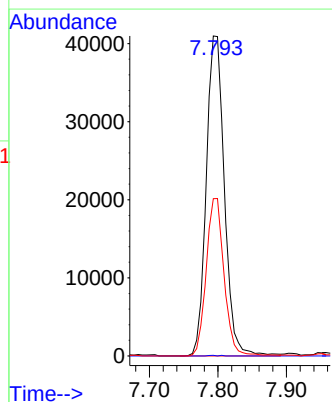
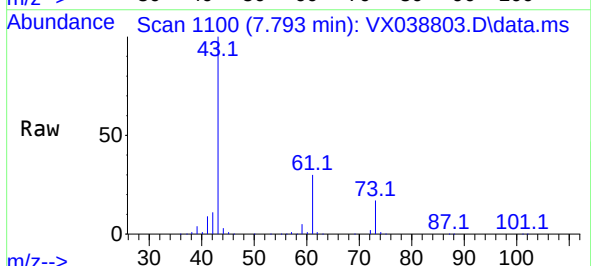


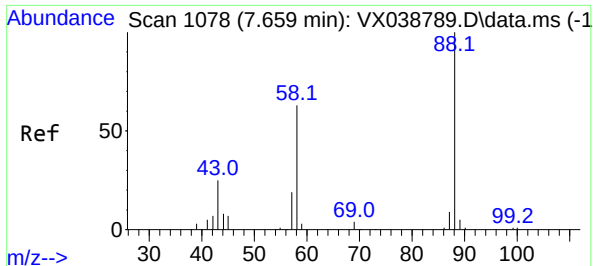
Tgt Ion: 43 Resp: 92855
Ion Ratio Lower Upper
43 100
61 21.0 15.2 22.8
87 14.0 9.8 14.6



#48
Methyl methacrylate
Concen: 49.053 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

Tgt Ion: 41 Resp: 75592
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 48.5 47.7 71.5





#49

1,4-Dioxane

Concen: 3.000 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX038803.D

Acq: 14 Nov 2023 14:03

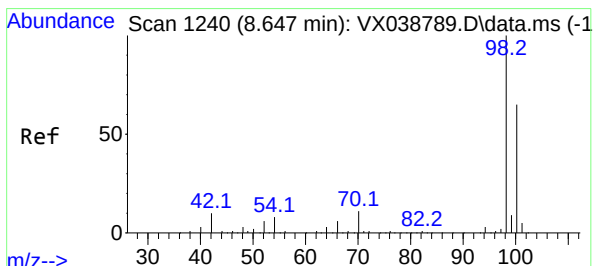
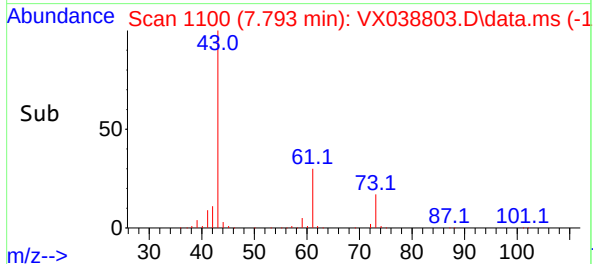
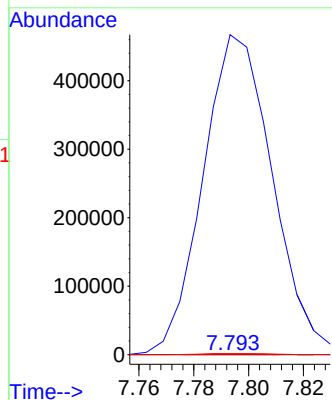
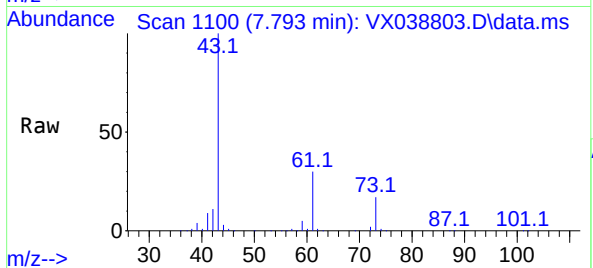
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 88 Resp: 94

Ion	Ratio	Lower	Upper
88	100		
43	892962.8	0.0	0.0#
58	3451.1	60.1	90.1#



#50

Toluene-d8

Concen: 48.358 ug/l

RT: 8.647 min Scan# 1240

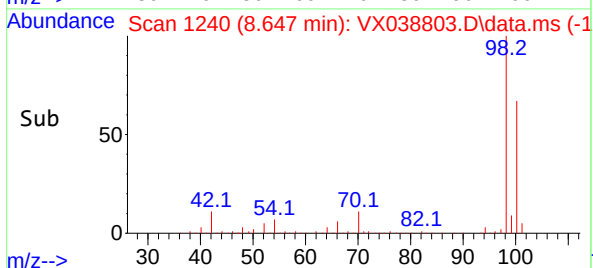
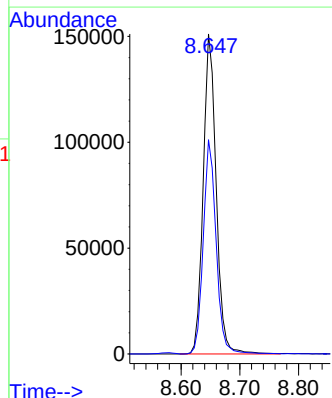
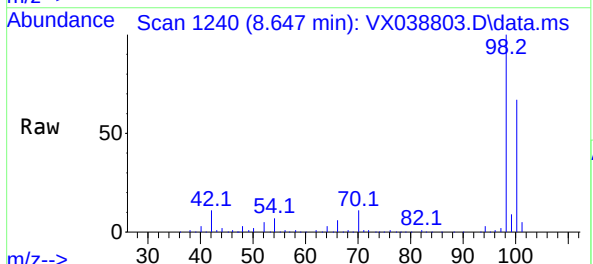
Delta R.T. 0.000 min

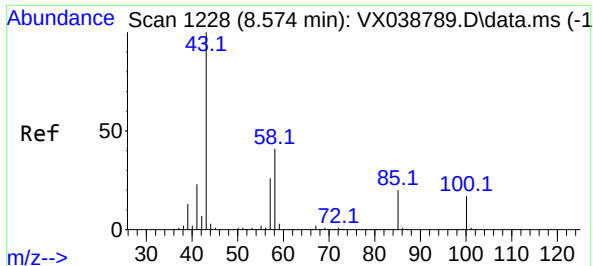
Lab File: VX038803.D

Acq: 14 Nov 2023 14:03

Tgt Ion: 98 Resp: 232246

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 29.941 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX038803.D

Acq: 14 Nov 2023 14:03

Instrument :

MSVOA_X

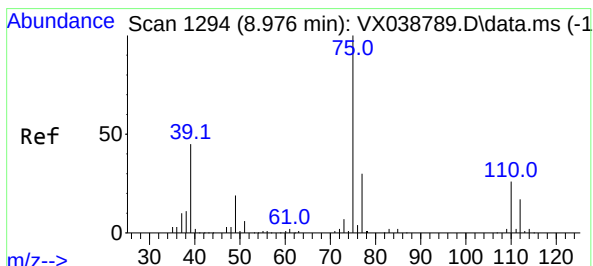
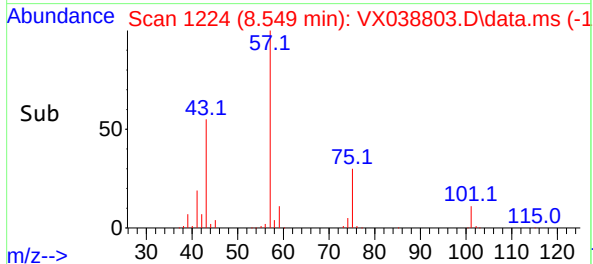
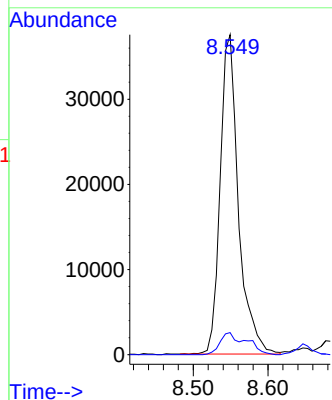
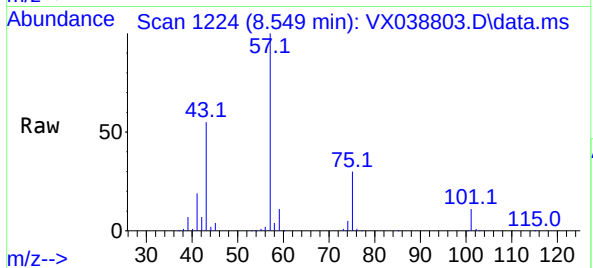
ClientSampleId :

Tgt Ion: 43 Resp: 63704

Ion Ratio Lower Upper

43 100

58 6.3 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 0.435 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX038803.D

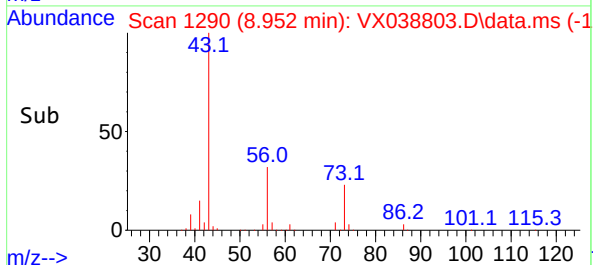
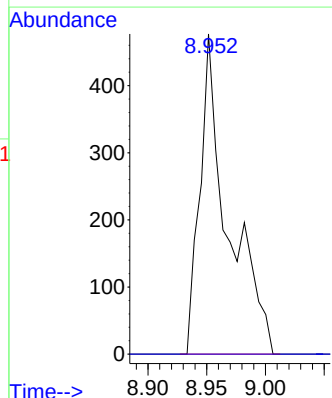
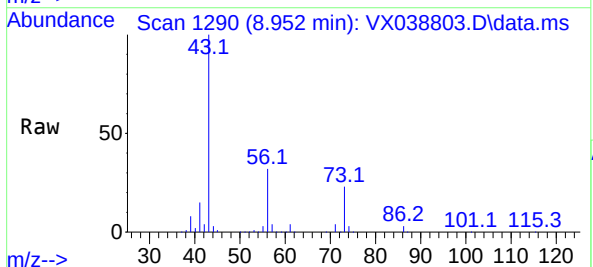
Acq: 14 Nov 2023 14:03

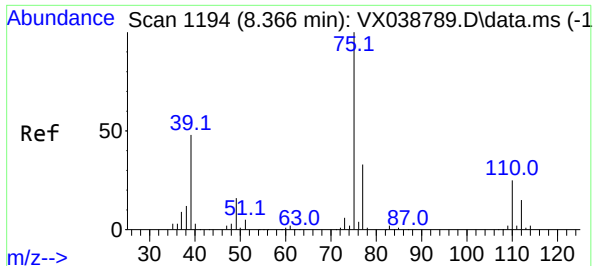
Tgt Ion: 75 Resp: 792

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#





#54

cis-1,3-Dichloropropene

Concen: 15.487 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. 0.183 min

Lab File: VX038803.D

Acq: 14 Nov 2023 14:03

Instrument :

MSVOA_X

ClientSampleId :

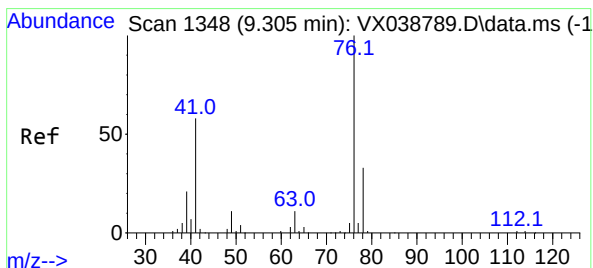
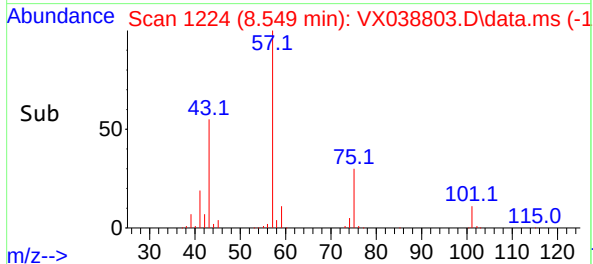
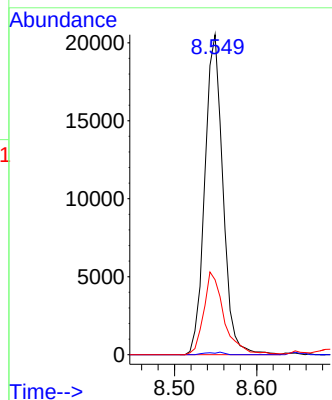
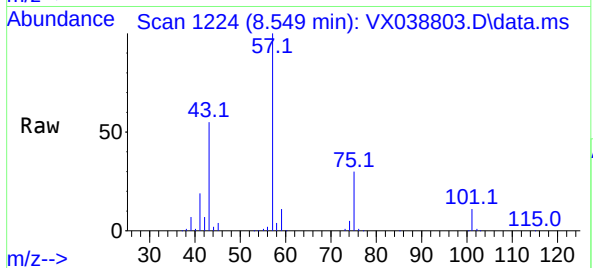
Tgt Ion: 75 Resp: 31393

Ion Ratio Lower Upper

75 100

77 0.5 25.3 37.9#

39 23.4 46.7 70.1#



#57

1,3-Dichloropropane

Concen: 1.703 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX038803.D

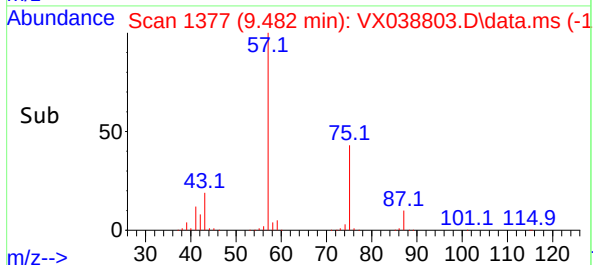
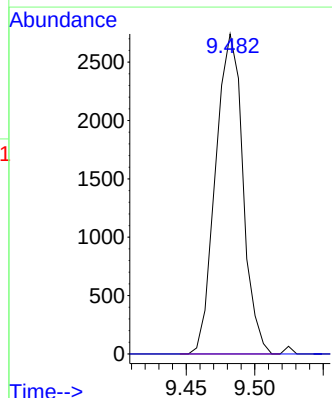
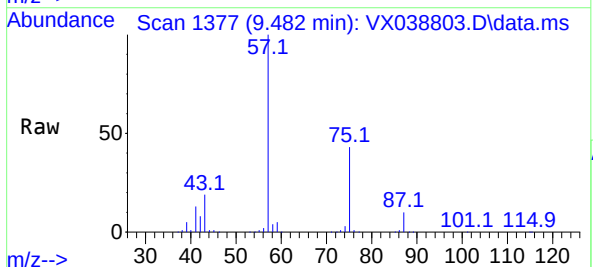
Acq: 14 Nov 2023 14:03

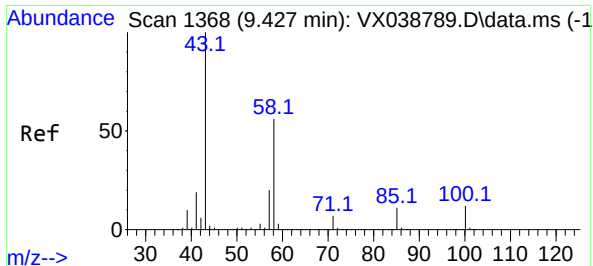
Tgt Ion: 76 Resp: 3804

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 28.734 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.055 min

Lab File: VX038803.D

Acq: 14 Nov 2023 14:03

Instrument :

MSVOA_X

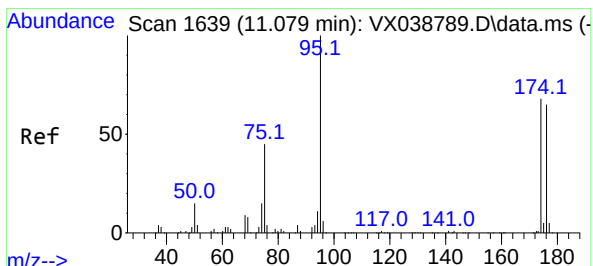
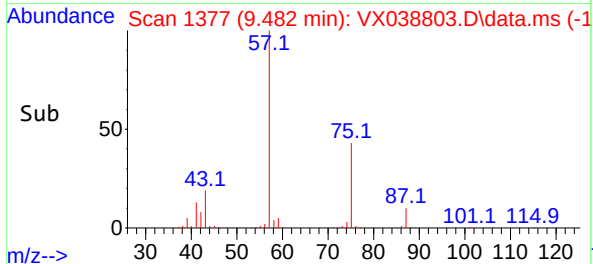
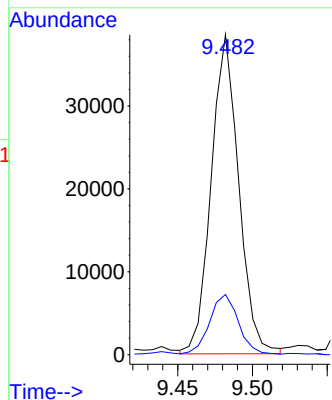
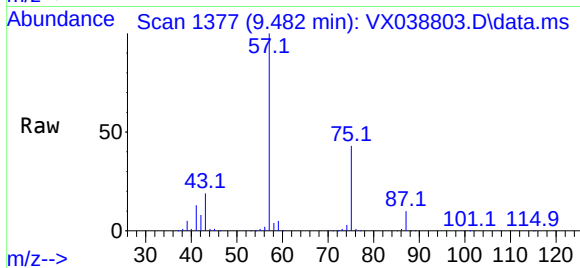
ClientSampleId :

Tgt Ion: 43 Resp: 49267

Ion Ratio Lower Upper

43 100

58 19.6 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 53.855 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX038803.D

Acq: 14 Nov 2023 14:03

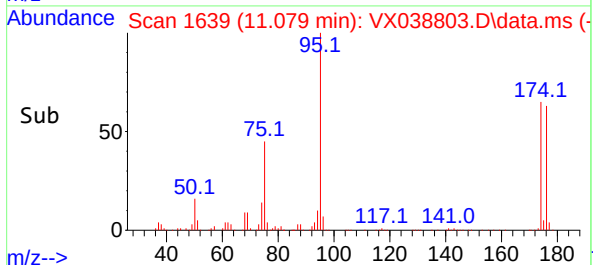
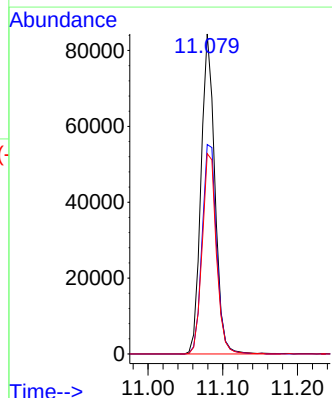
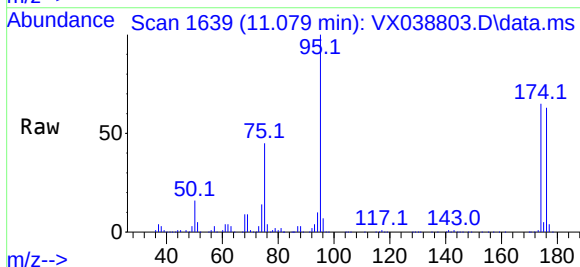
Tgt Ion: 95 Resp: 108142

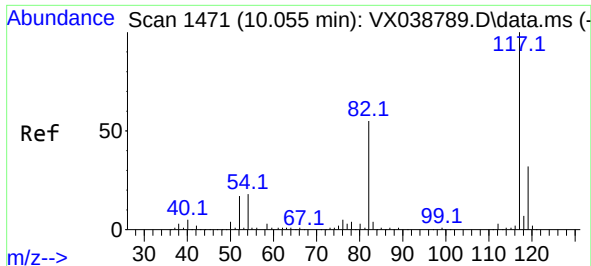
Ion Ratio Lower Upper

95 100

174 68.7 0.0 135.6

176 64.4 0.0 131.0

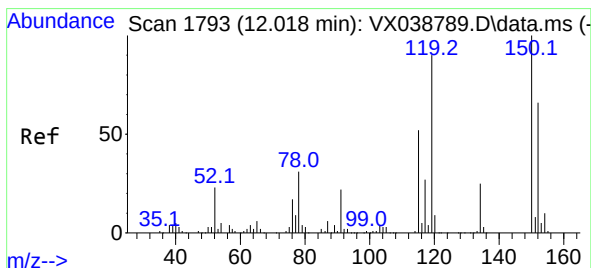
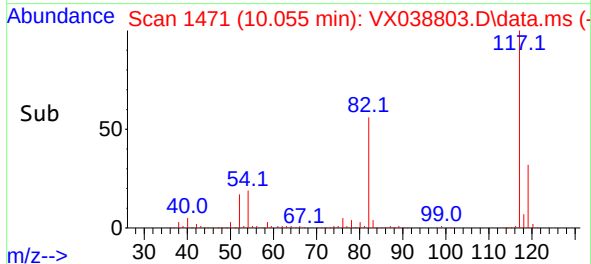
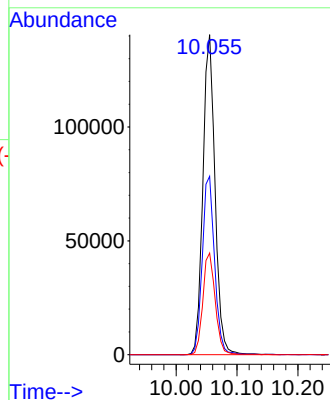
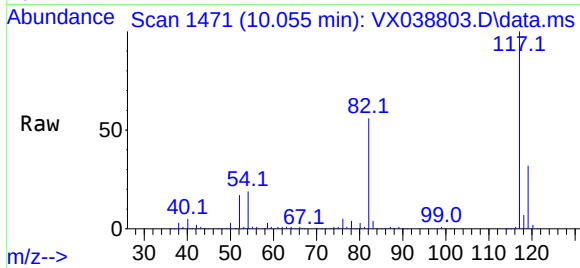




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

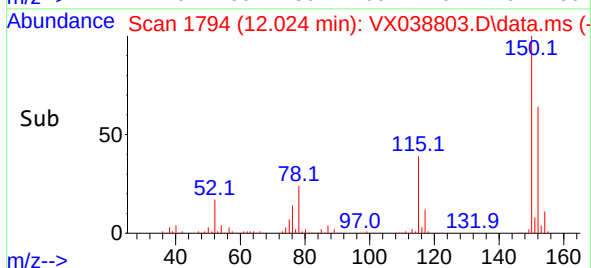
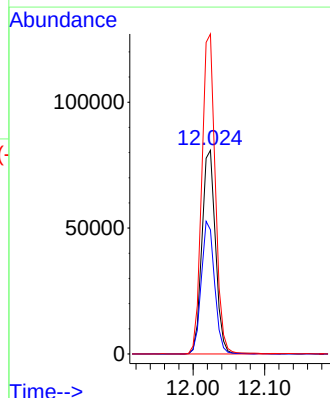
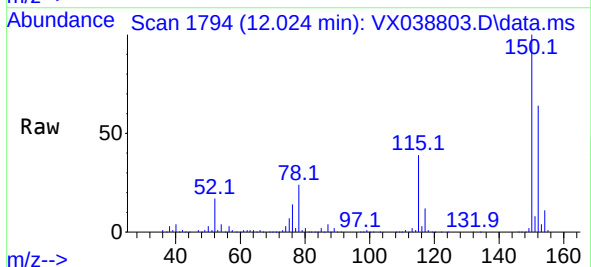
Instrument :
MSVOA_X
ClientSampleId :

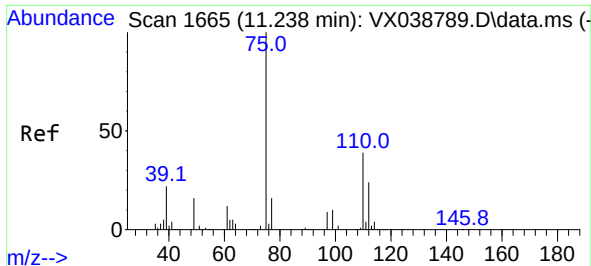
Tgt Ion:117 Resp: 194713
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

Tgt Ion:152 Resp: 106749
Ion Ratio Lower Upper
152 100
115 63.7 43.3 129.9
150 156.4 0.0 345.0

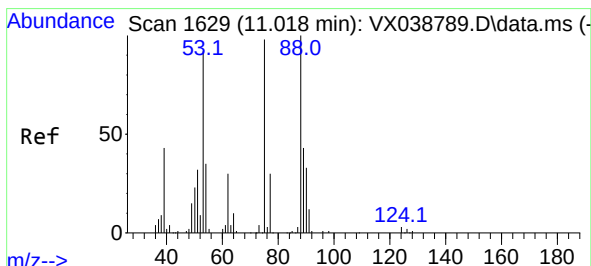
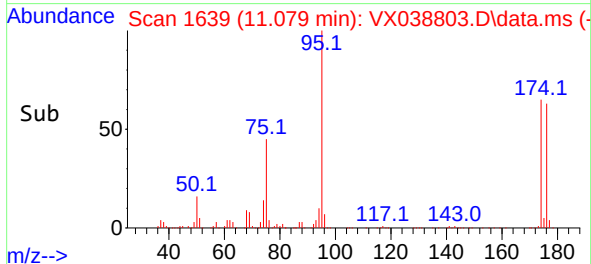
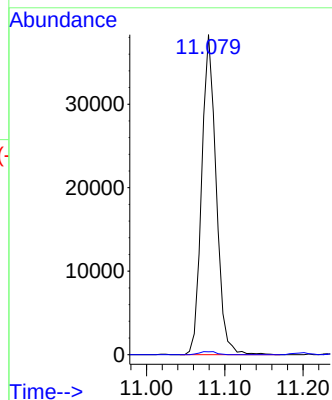
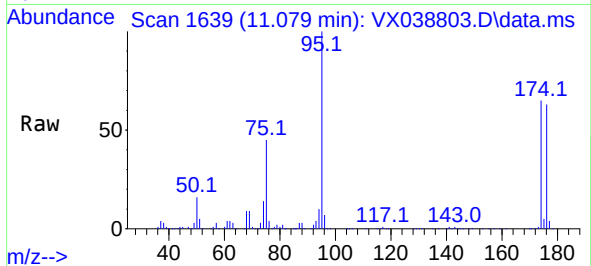




#76
1,2,3-Trichloropropane
Concen: 21.638 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

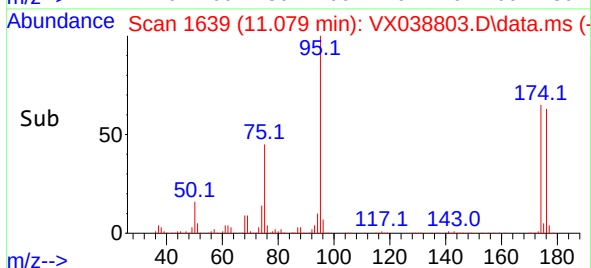
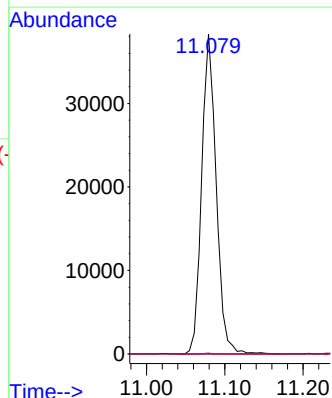
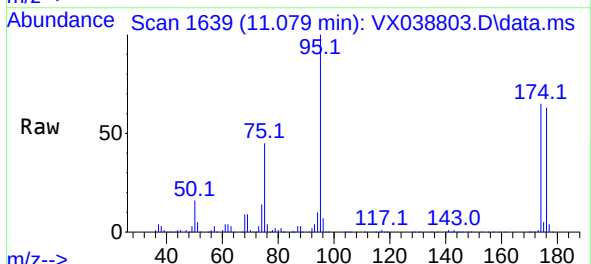
Instrument :
MSVOA_X
ClientSampleId :

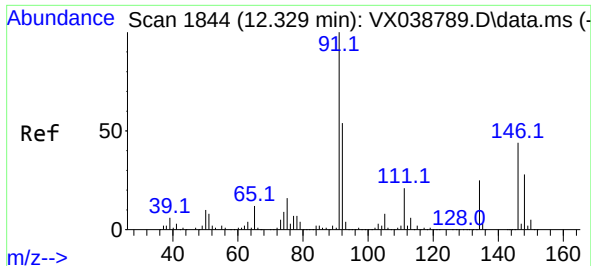
Tgt Ion: 75 Resp: 49319
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.175 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

Tgt Ion: 75 Resp: 49319
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



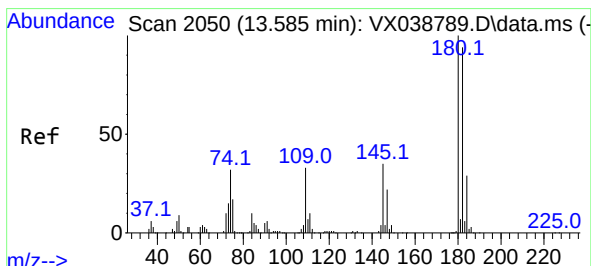
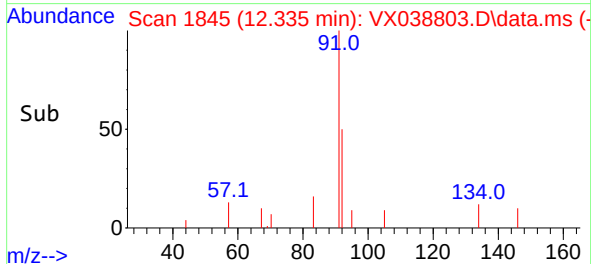
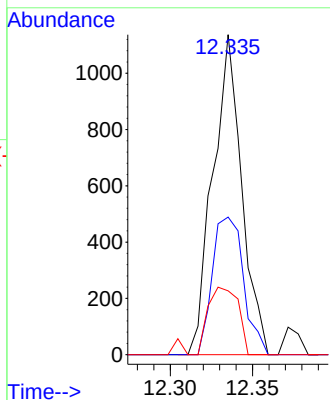
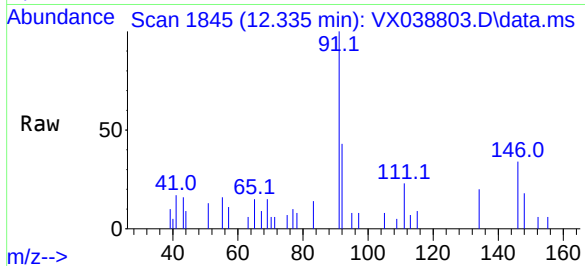


#89
n-Butylbenzene
Concen: 0.228 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 91 Resp: 1389

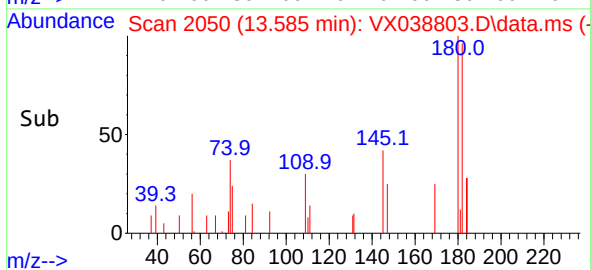
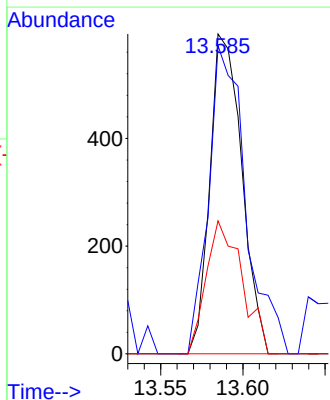
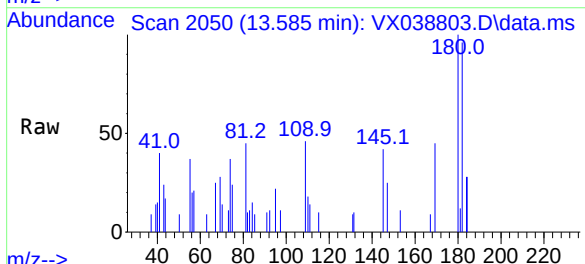
Ion	Ratio	Lower	Upper
91	100		
92	46.5	27.4	82.0
134	23.5	12.6	37.8

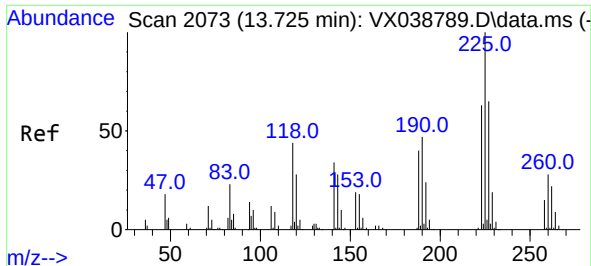


#93
1,2,4-Trichlorobenzene
Concen: 0.371 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

Tgt Ion: 180 Resp: 804

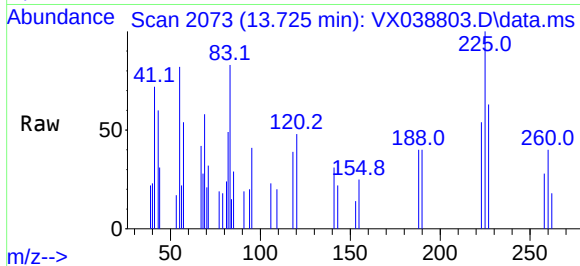
Ion	Ratio	Lower	Upper
180	100		
182	111.6	48.3	144.8
145	46.4	18.0	54.0



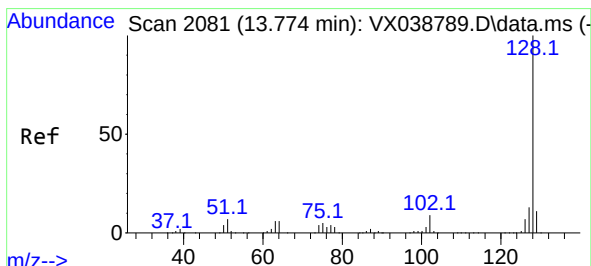
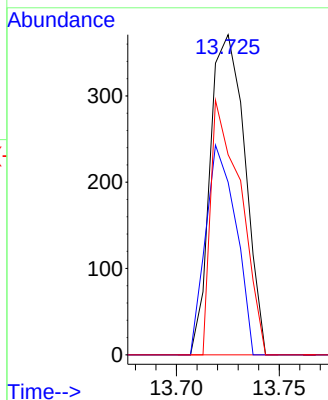
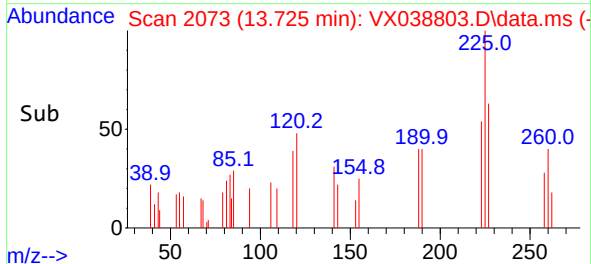


#94
Hexachlorobutadiene
Concen: 0.529 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03

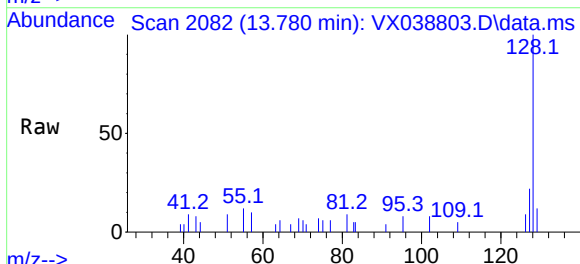
Instrument :
MSVOA_X
ClientSampleId :



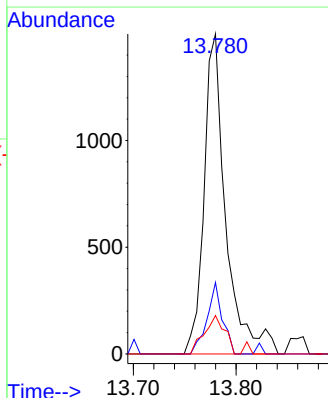
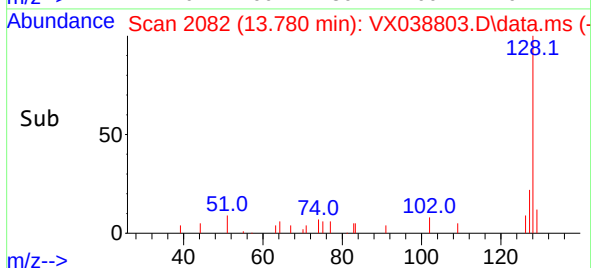
Tgt Ion:225 Resp: 436
Ion Ratio Lower Upper
225 100
223 56.9 31.1 93.2
227 68.3 32.5 97.5

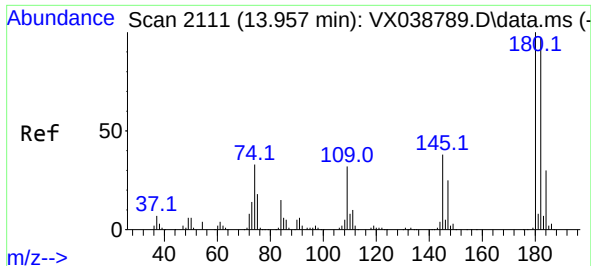


#95
Naphthalene
Concen: 0.283 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX038803.D
Acq: 14 Nov 2023 14:03



Tgt Ion:128 Resp: 2201
Ion Ratio Lower Upper
128 100
127 15.9 10.3 15.5#
129 11.4 8.8 13.2





#96

1,2,3-Trichlorobenzene

Concen: 0.362 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

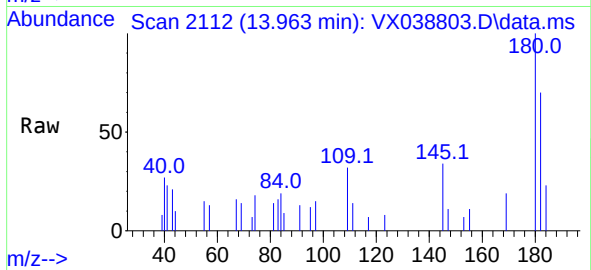
Lab File: VX038803.D

Acq: 14 Nov 2023 14:03

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 772

Ion Ratio Lower Upper

180 100

182 88.0 46.9 140.6

145 37.8 17.8 53.5

