

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100424\
 Data File : VX043290.D
 Acq On : 04 Oct 2024 15:38
 Operator : JC/MD
 Sample : P4290-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 04 23:32:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 16:50:57 2024
 Response via : Initial Calibration

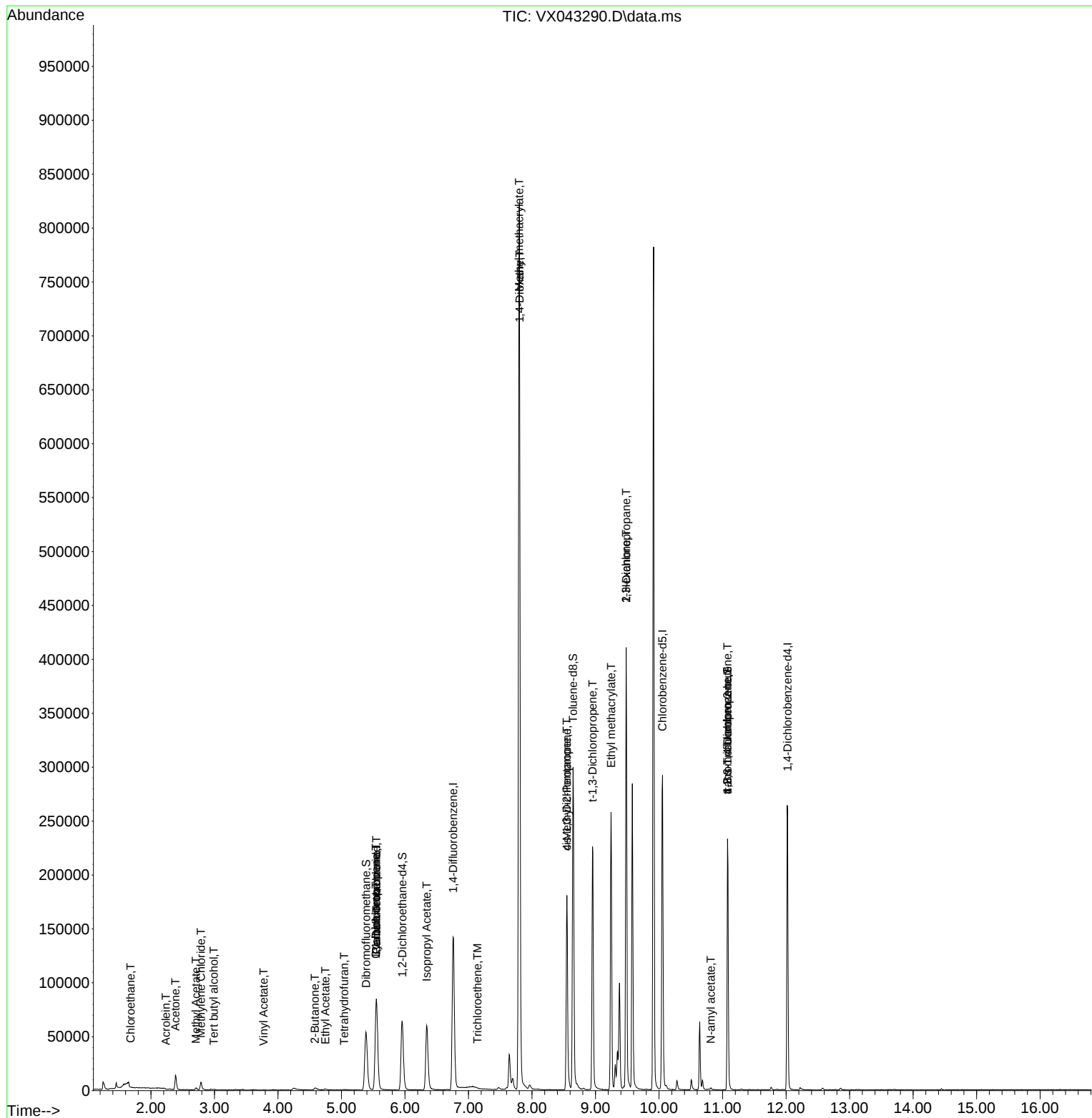
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	76565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147275	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66940	53.534	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.060%	
35) Dibromofluoromethane	5.385	113	47823	47.085	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.180%	
50) Toluene-d8	8.647	98	175446	49.846	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.700%	
62) 4-Bromofluorobenzene	11.079	95	62835	49.140	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.280%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.678	64	105	0.307	ug/l #	42
11) Tert butyl alcohol	2.989	59	630	2.648	ug/l #	81
13) Acrolein	2.233	56	48	0.214	ug/l #	1
16) Acetone	2.386	43	15345	29.386	ug/l	97
18) Methyl Acetate	2.709	43	2505	1.912	ug/l #	88
20) Methylene Chloride	2.788	84	3494	3.629	ug/l	94
23) Vinyl Acetate	3.776	43	20	6.345	ug/l #	71
25) 2-Butanone	4.580	43	4781	6.677	ug/l	98
29) Tetrahydrofuran	5.044	42	459	1.006	ug/l #	35
31) Cyclohexane	5.544	56	1853	1.373	ug/l #	43
36) 1,1-Dichloropropene	5.544	75	6480	5.050	ug/l #	50
37) Ethyl Acetate	4.745	43	1428	0.927	ug/l #	73
38) Carbon Tetrachloride	5.550	117	8584	5.651	ug/l #	15
43) Isopropyl Acetate	6.342	43	86340	33.924	ug/l	99
44) Trichloroethene	7.141	130	209	0.203	ug/l	63
48) Methyl methacrylate	7.799	41	75218	60.234	ug/l #	45
49) 1,4-Dioxane	7.805	88	153	6.303	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	66443	42.984	ug/l #	50
53) t-1,3-Dichloropropene	8.951	75	440	0.294	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28606	17.846	ug/l #	59
56) Ethyl methacrylate	9.244	69	510	0.322	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3448	2.089	ug/l #	43
59) 2-Hexanone	9.482	43	53223	45.532	ug/l #	53
74) N-amyl acetate	10.817	43	488	0.243	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	35035	29.028	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	35035	75.230	ug/l #	8

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

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Sample : P4290-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

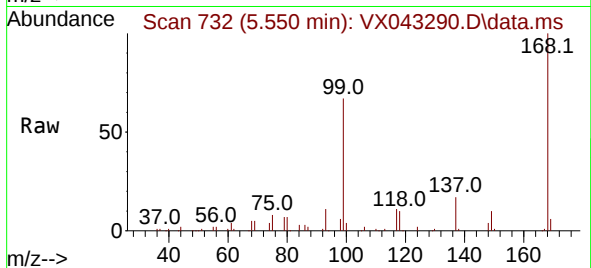
Quant Time: Oct 04 23:32:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration



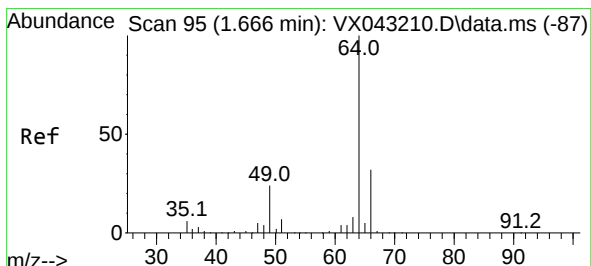
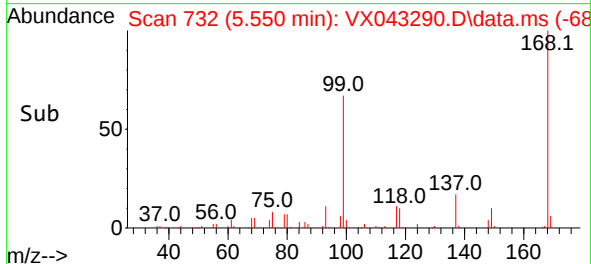
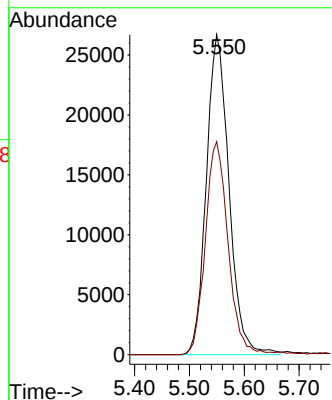


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

Instrument :
MSVOA_X
ClientSampleId :

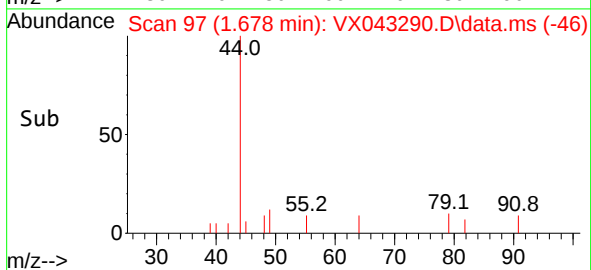
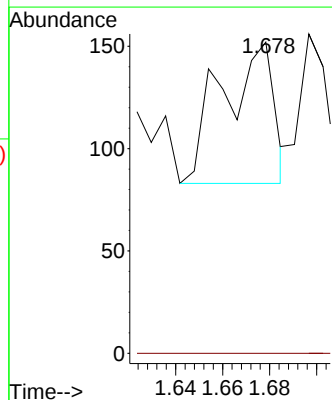
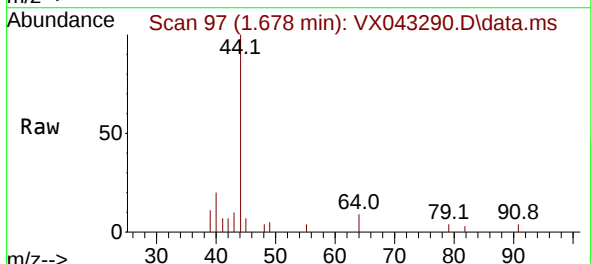


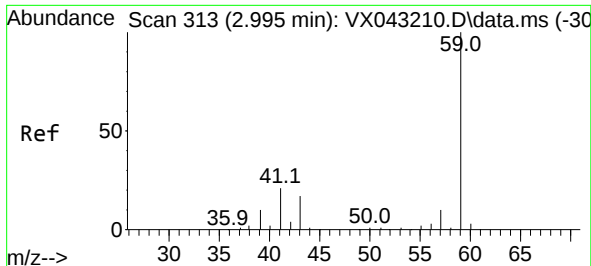
Tgt Ion:168 Resp: 76565
Ion Ratio Lower Upper
168 100
99 66.5 49.7 74.5



#6
Chloroethane
Concen: 0.307 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.012 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

Tgt Ion: 64 Resp: 105
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#





#11

Tert butyl alcohol

Concen: 2.648 ug/l

RT: 2.989 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043290.D

Acq: 04 Oct 2024 15:38

Instrument :

MSVOA_X

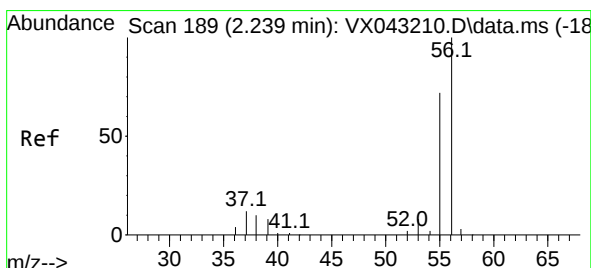
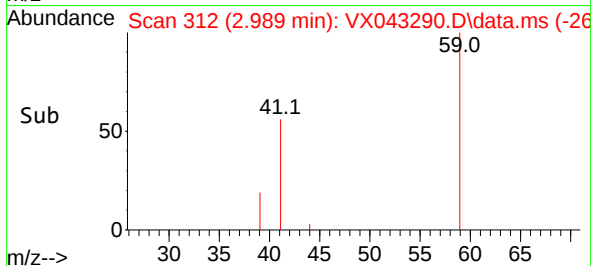
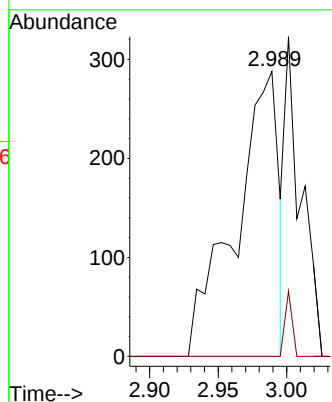
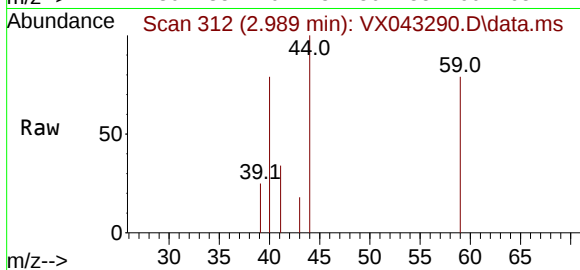
ClientSampleId :

Tgt Ion: 59 Resp: 630

Ion Ratio Lower Upper

59 100

57 3.8 8.6 13.0#



#13

Acrolein

Concen: 0.214 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX043290.D

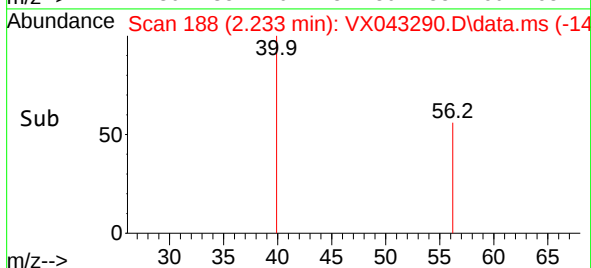
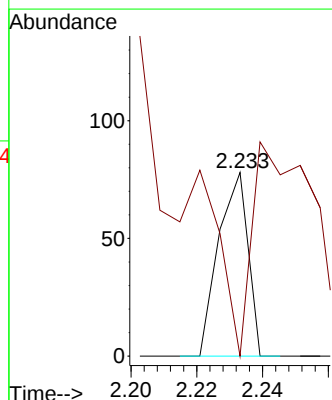
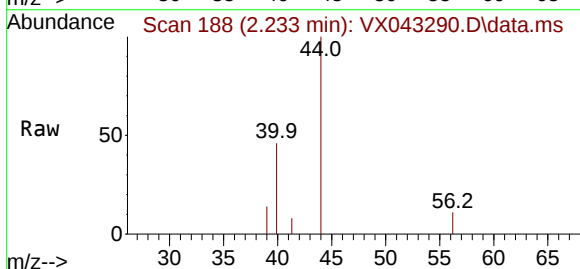
Acq: 04 Oct 2024 15:38

Tgt Ion: 56 Resp: 48

Ion Ratio Lower Upper

56 100

55 283.3 57.4 86.0#

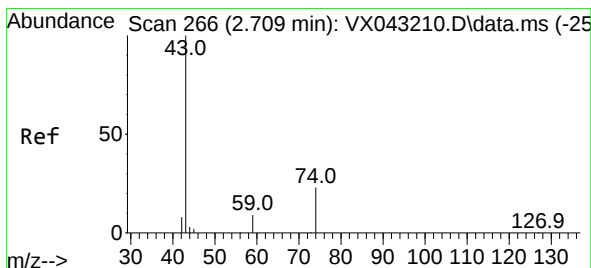
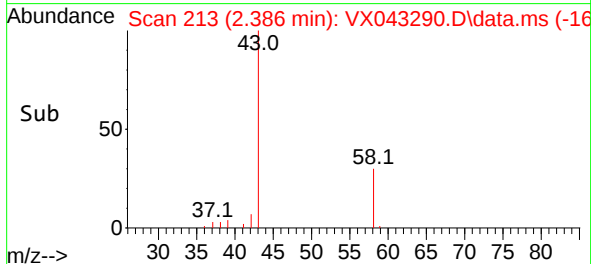
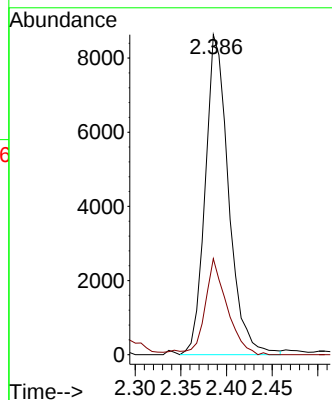
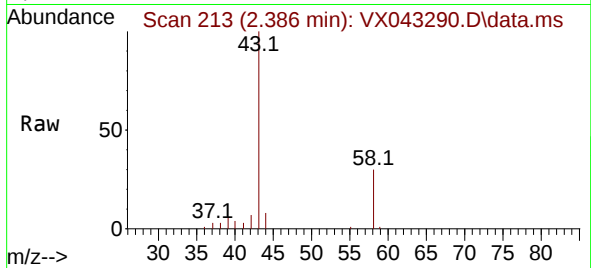




#16
Acetone
Concen: 29.386 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

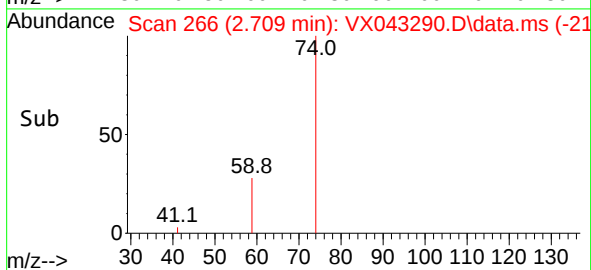
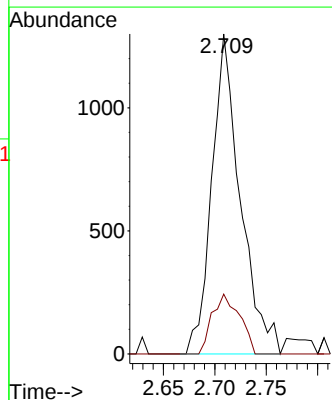
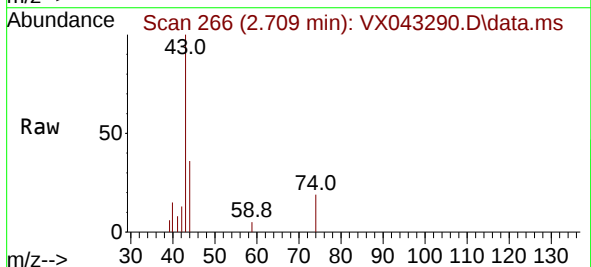
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 15345
Ion Ratio Lower Upper
43 100
58 30.0 22.6 33.8



#18
Methyl Acetate
Concen: 1.912 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

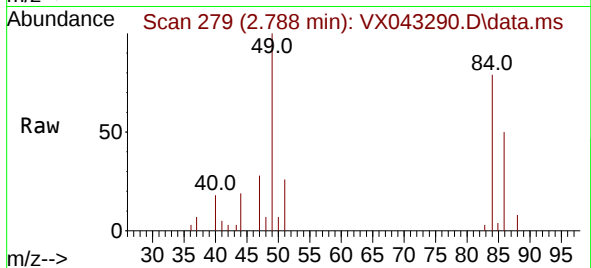
Tgt Ion: 43 Resp: 2505
Ion Ratio Lower Upper
43 100
74 18.0 19.1 28.7#



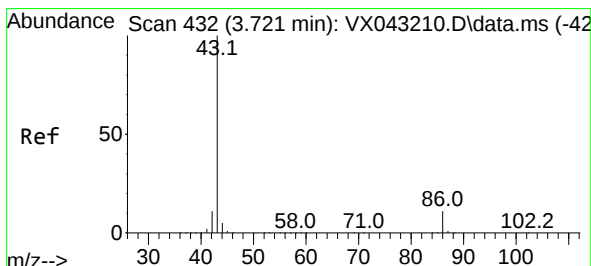
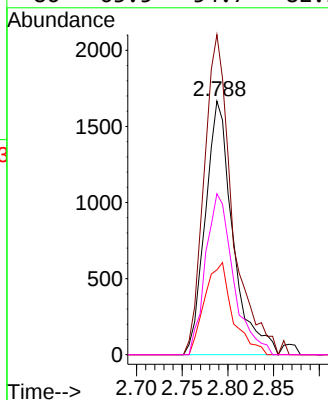
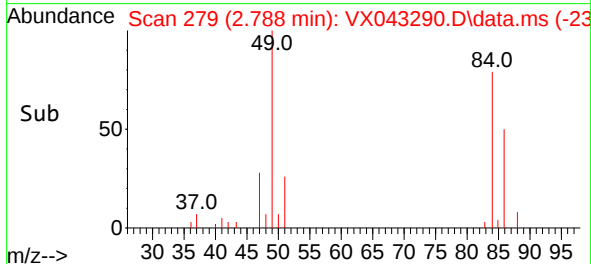


#20
Methylene Chloride
Concen: 3.629 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

Instrument :
MSVOA_X
ClientSampleId :

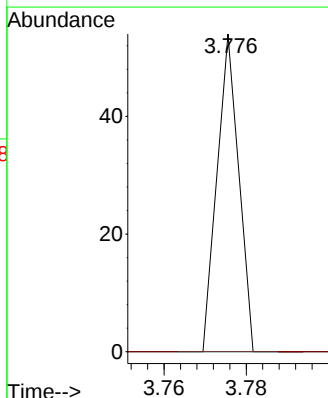
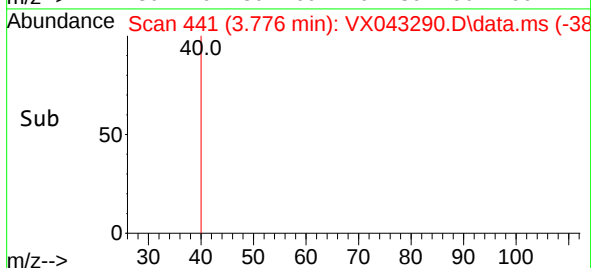
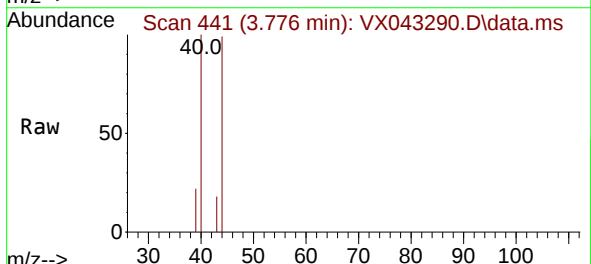


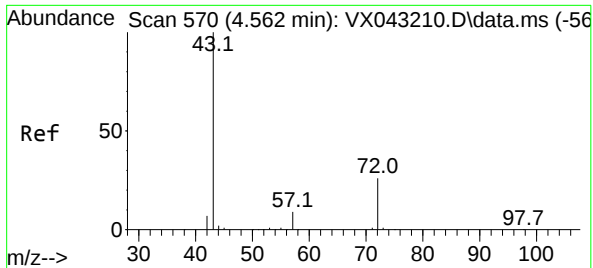
Tgt Ion:	84	Resp:	3494
Ion	Ratio	Lower	Upper
84	100		
49	126.2	96.7	145.1
51	33.4	30.4	45.6
86	63.5	54.7	82.1



#23
Vinyl Acetate
Concen: 6.345 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.055 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

Tgt Ion:	43	Resp:	20
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.8	13.2#

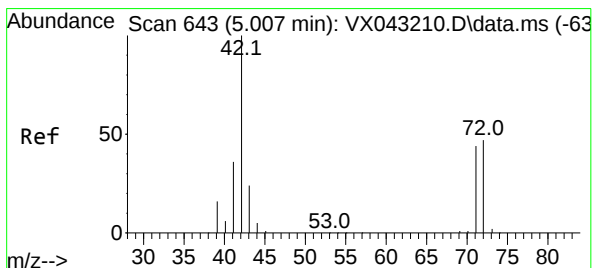
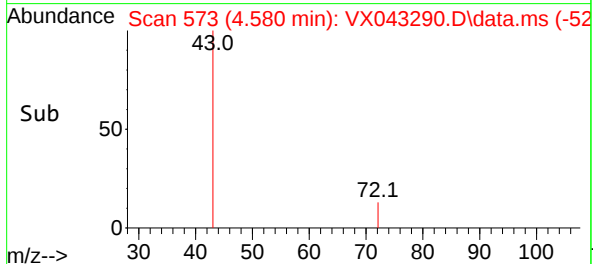
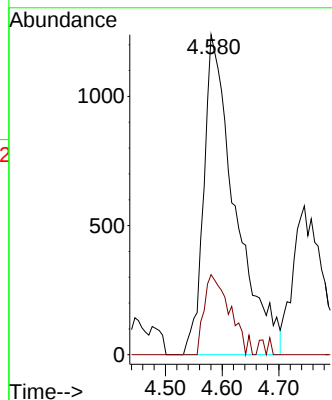
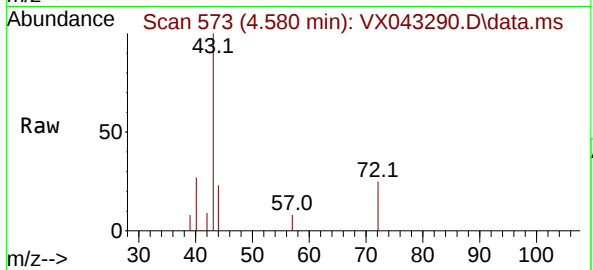




#25
2-Butanone
Concen: 6.677 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

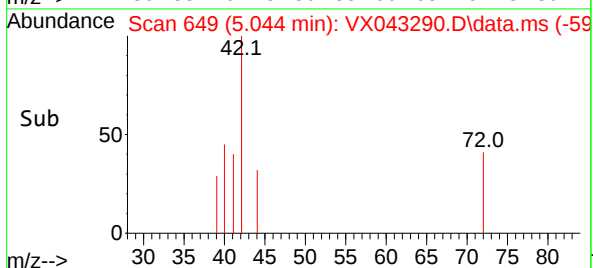
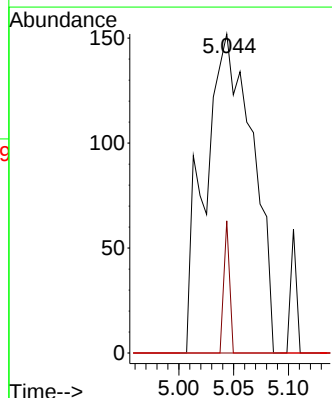
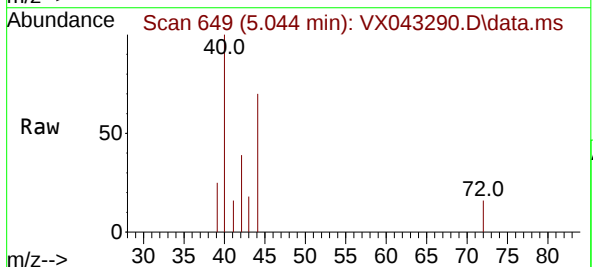
Instrument :
MSVOA_X
ClientSampleId :

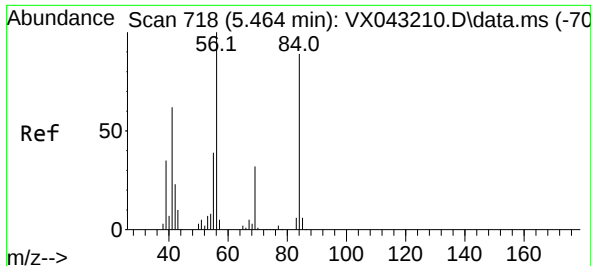
Tgt Ion: 43 Resp: 4781
Ion Ratio Lower Upper
43 100
72 25.0 20.6 31.0



#29
Tetrahydrofuran
Concen: 1.006 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.036 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

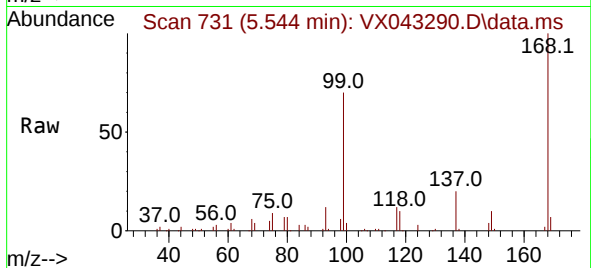
Tgt Ion: 42 Resp: 459
Ion Ratio Lower Upper
42 100
72 5.0 37.7 56.5#
71 0.0 34.6 52.0#



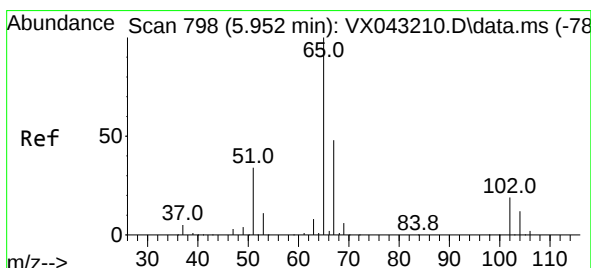
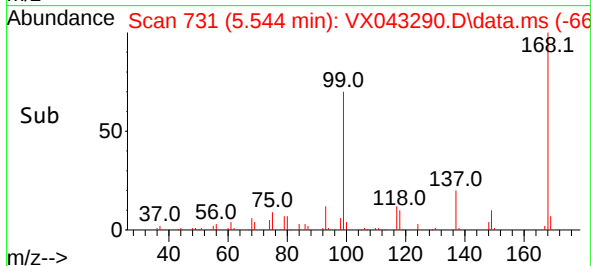
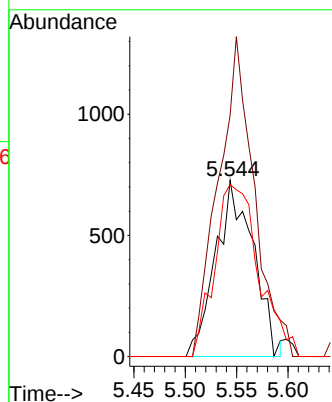


#31
Cyclohexane
Concen: 1.373 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

Instrument :
MSVOA_X
ClientSampleId :

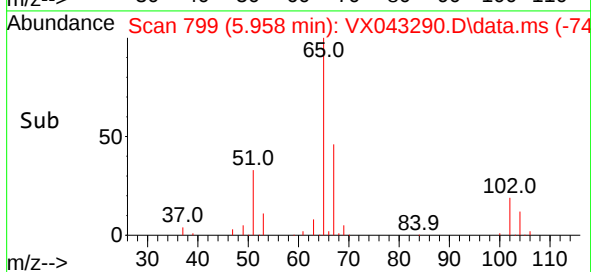
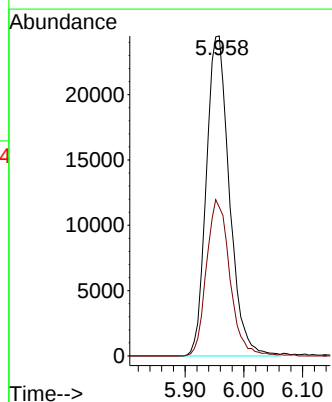
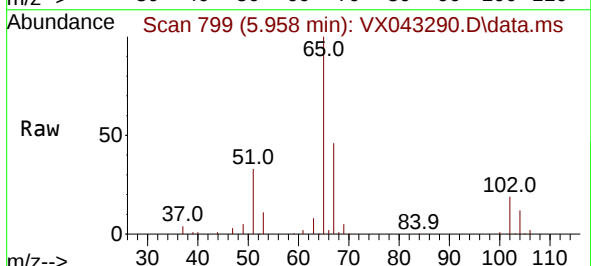


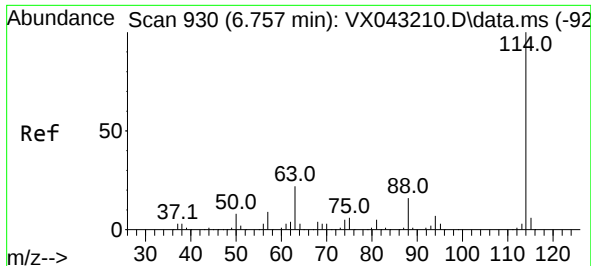
Tgt Ion: 56 Resp: 1853
Ion Ratio Lower Upper
56 100
69 137.0 25.8 38.6#
84 97.7 71.1 106.7



#33
1,2-Dichloroethane-d4
Concen: 53.534 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

Tgt Ion: 65 Resp: 66940
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.0

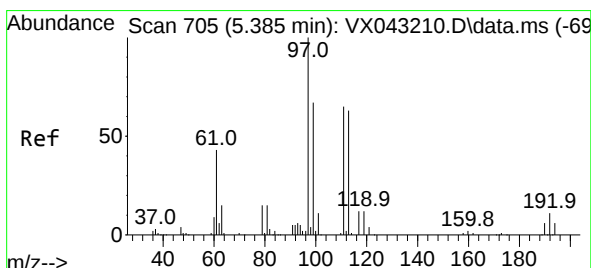
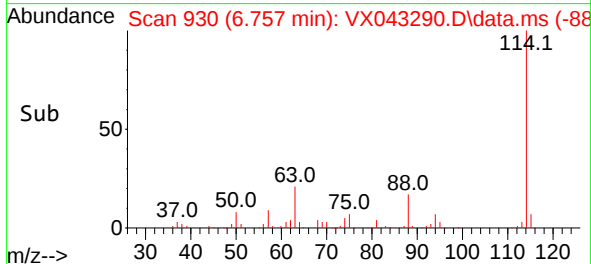
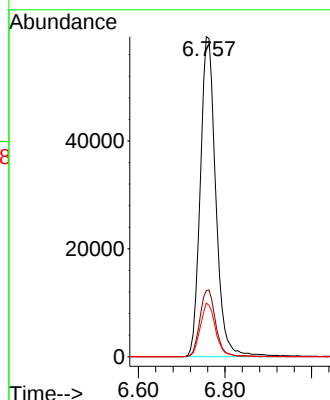
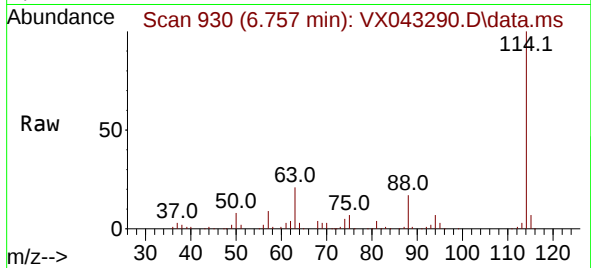




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

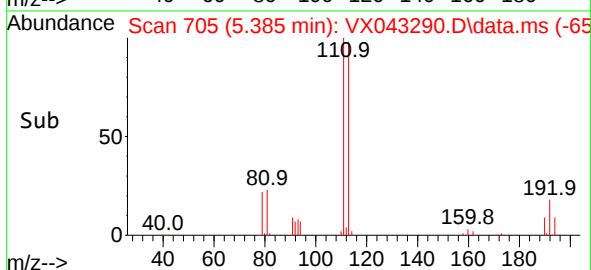
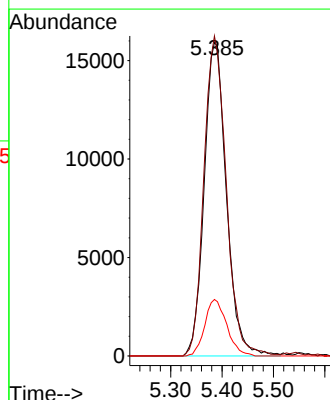
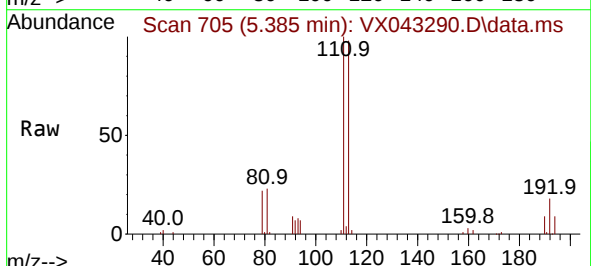
Instrument :
MSVOA_X
ClientSampleId :

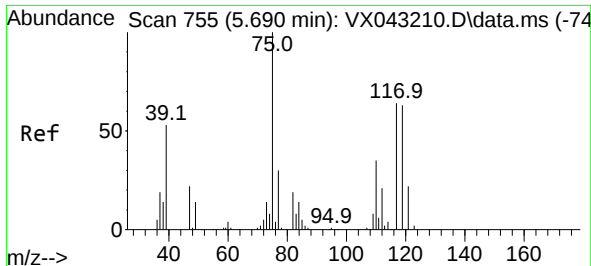
Tgt Ion:114 Resp: 147275
Ion Ratio Lower Upper
114 100
63 20.6 0.0 43.0
88 16.7 0.0 33.0



#35
Dibromofluoromethane
Concen: 47.085 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

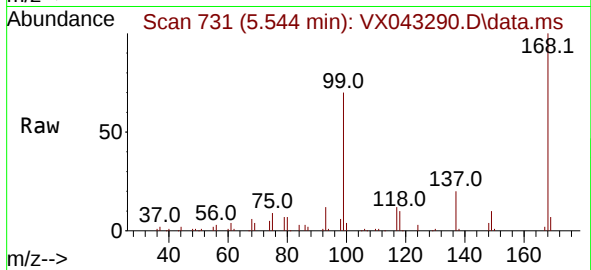
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Ion Ratio Lower Upper
113 100
111 102.4 83.4 125.0
192 17.8 14.1 21.1



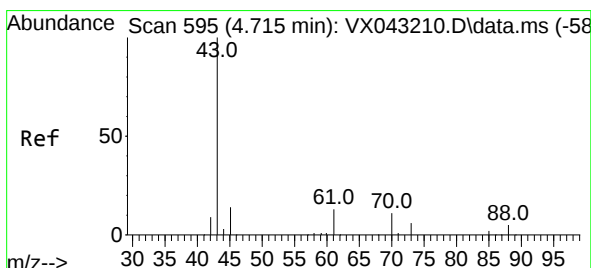
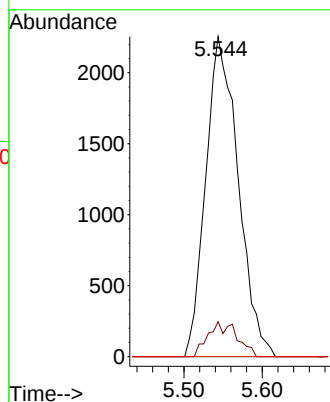
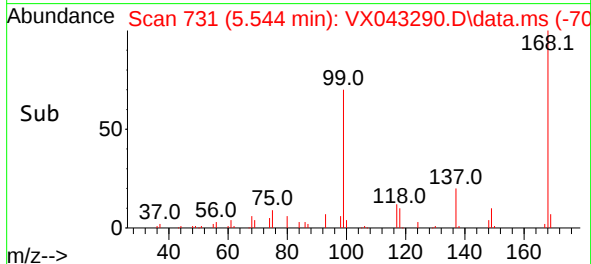


#36
1,1-Dichloropropene
Concen: 5.050 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

Instrument :
MSVOA_X
ClientSampleId :

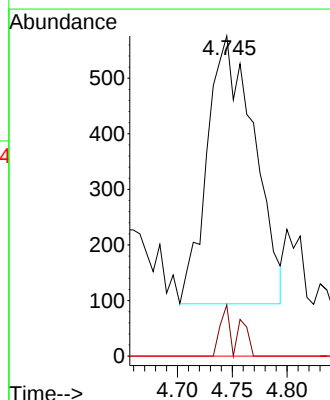
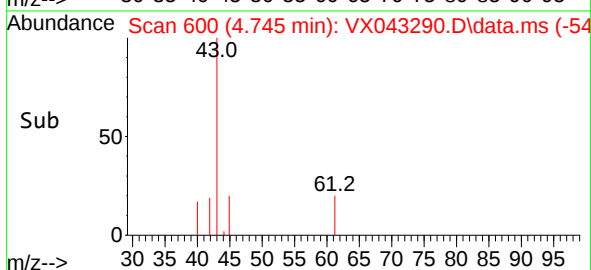
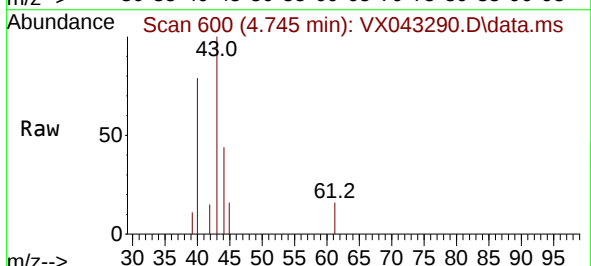


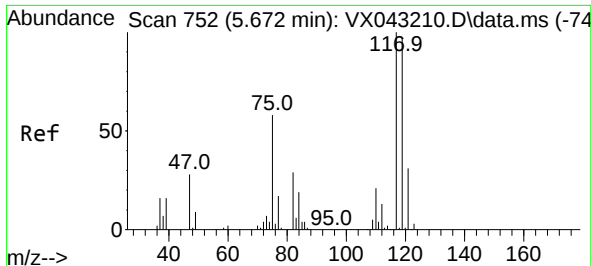
Tgt Ion: 75 Resp: 6480
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.3#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 0.927 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.030 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

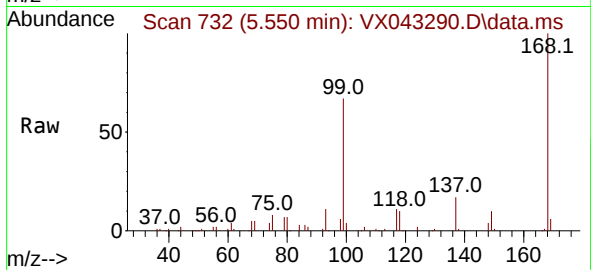
Tgt Ion: 43 Resp: 1428
Ion Ratio Lower Upper
43 100
61 3.8 11.0 16.4#
70 0.0 8.9 13.3#



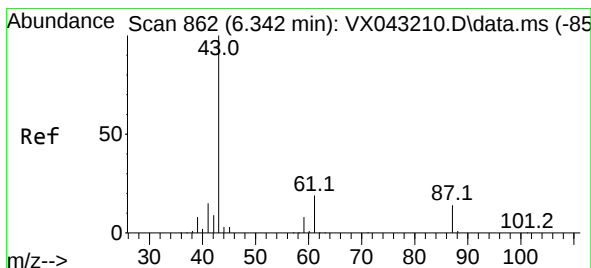
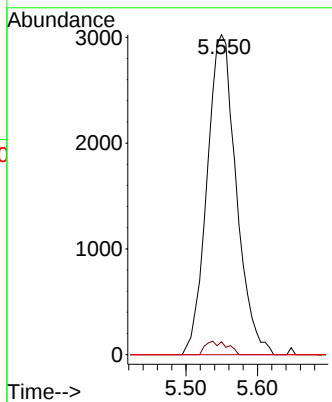
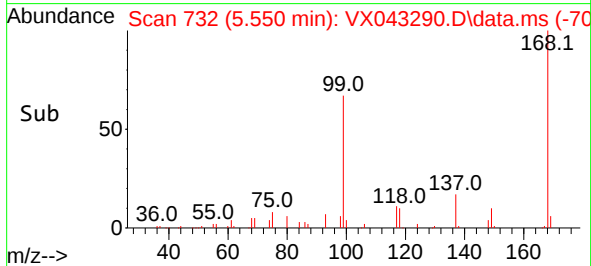


#38
Carbon Tetrachloride
Concen: 5.651 ug/l
RT: 5.550 min Scan# 752
Delta R.T. -0.122 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

Instrument :
MSVOA_X
ClientSampleId :

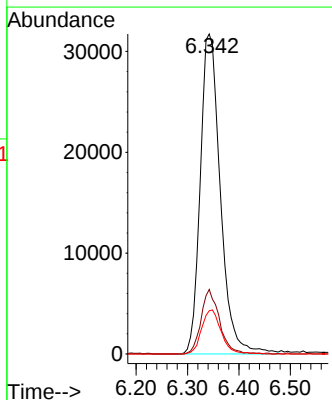
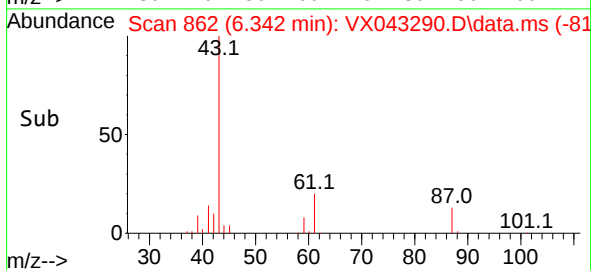
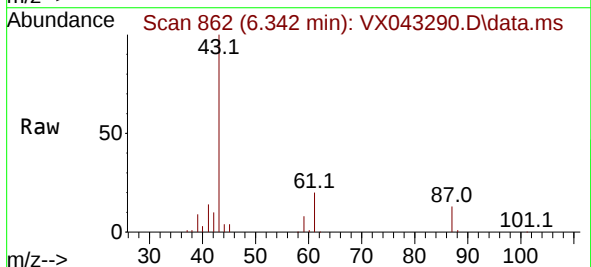


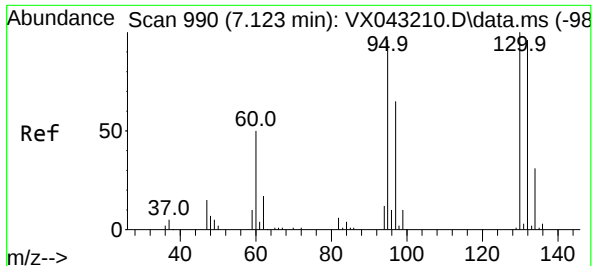
Tgt Ion:117 Resp: 8584
Ion Ratio Lower Upper
117 100
119 4.0 77.7 116.5#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 33.924 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

Tgt Ion: 43 Resp: 86340
Ion Ratio Lower Upper
43 100
61 18.4 15.1 22.7
87 13.4 10.8 16.2

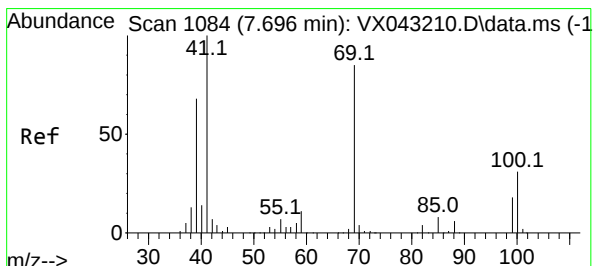
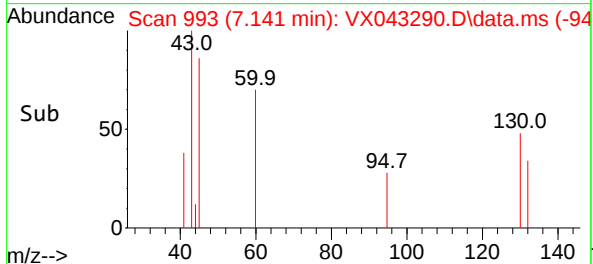
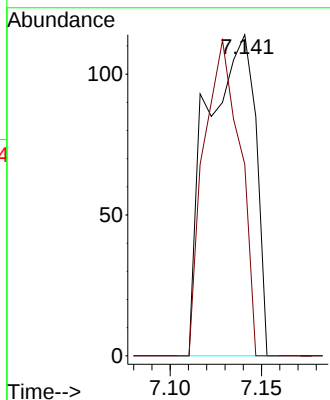
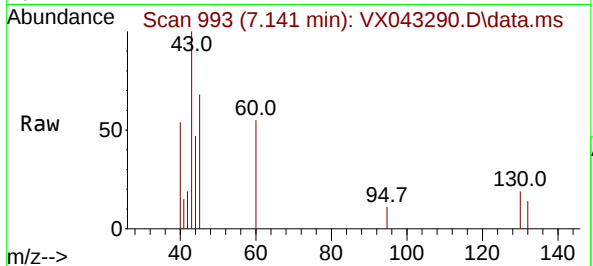




#44
Trichloroethene
Concen: 0.203 ug/l
RT: 7.141 min Scan# 990
Delta R.T. 0.018 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

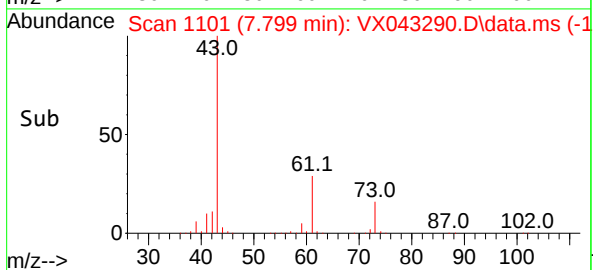
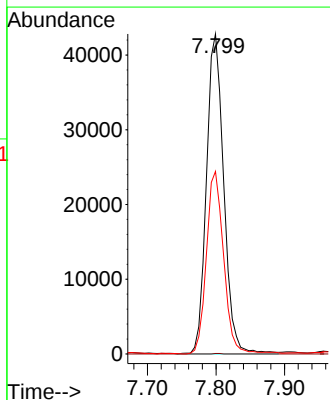
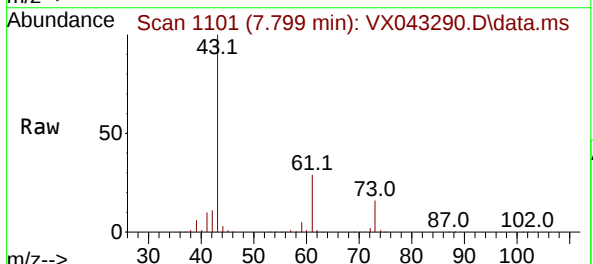
Instrument :
MSVOA_X
ClientSampleId :

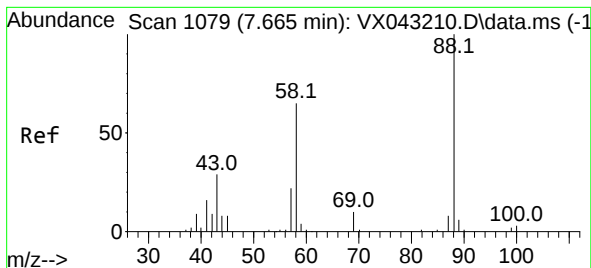
Tgt Ion:130 Resp: 209
Ion Ratio Lower Upper
130 100
95 59.6 0.0 192.2



#48
Methyl methacrylate
Concen: 60.234 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

Tgt Ion: 41 Resp: 75218
Ion Ratio Lower Upper
41 100
69 0.1 64.1 96.1#
39 56.6 52.8 79.2





#49

1,4-Dioxane

Concen: 6.303 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.140 min

Lab File: VX043290.D

Acq: 04 Oct 2024 15:38

Instrument :

MSVOA_X

ClientSampleId :

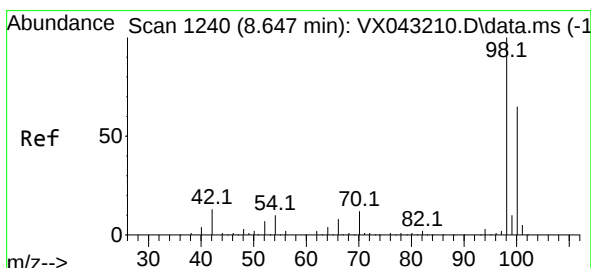
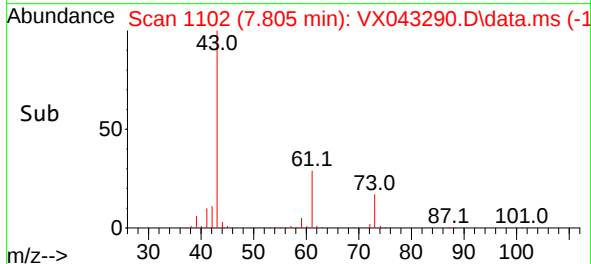
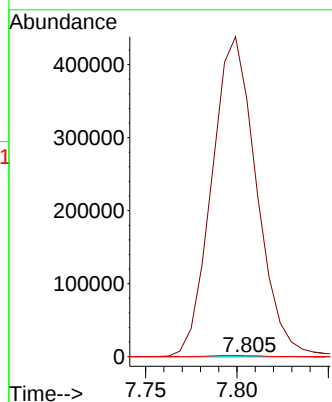
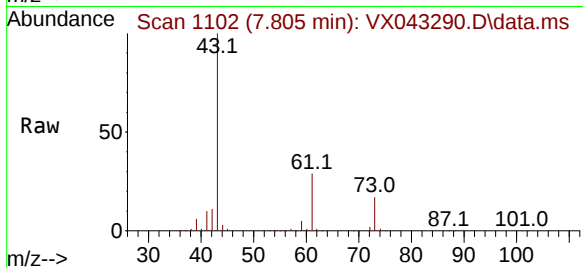
Tgt Ion: 88 Resp: 153

Ion Ratio Lower Upper

88 100

43 494776.5 29.5 44.3#

58 1988.9 55.2 82.8#



#50

Toluene-d8

Concen: 49.846 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX043290.D

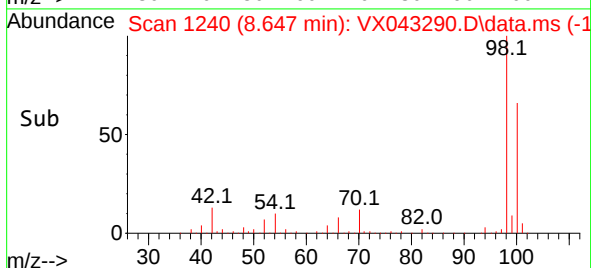
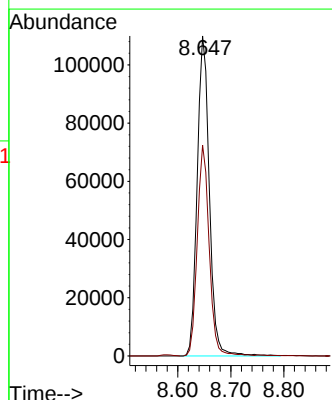
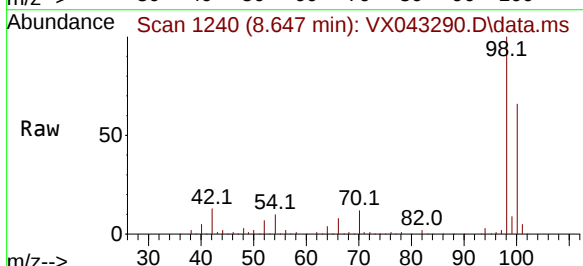
Acq: 04 Oct 2024 15:38

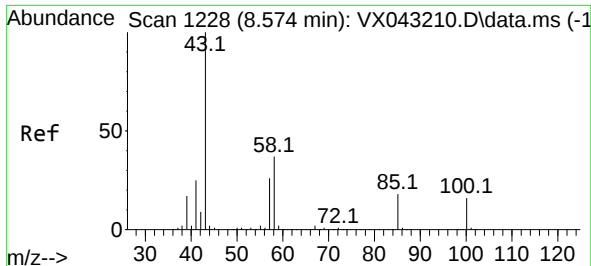
Tgt Ion: 98 Resp: 175446

Ion Ratio Lower Upper

98 100

100 64.5 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 42.984 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX043290.D

Acq: 04 Oct 2024 15:38

Instrument :

MSVOA_X

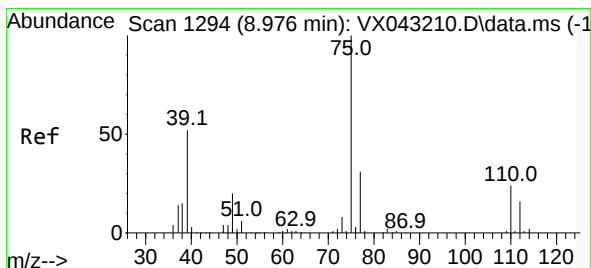
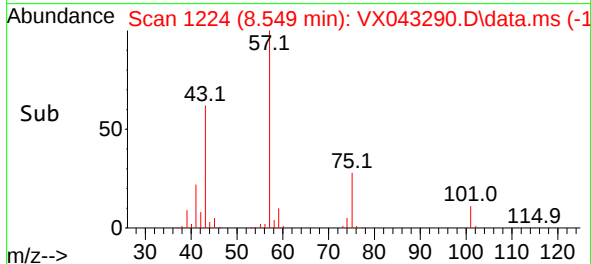
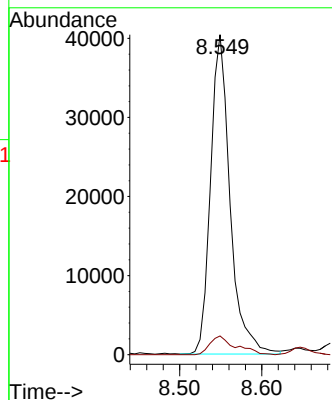
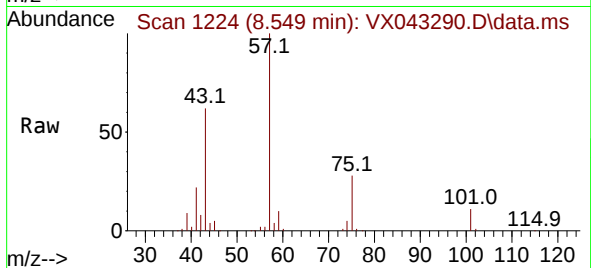
ClientSampleId :

Tgt Ion: 43 Resp: 66443

Ion Ratio Lower Upper

43 100

58 7.7 30.0 45.0#



#53

t-1,3-Dichloropropene

Concen: 0.294 ug/l

RT: 8.951 min Scan# 1290

Delta R.T. -0.025 min

Lab File: VX043290.D

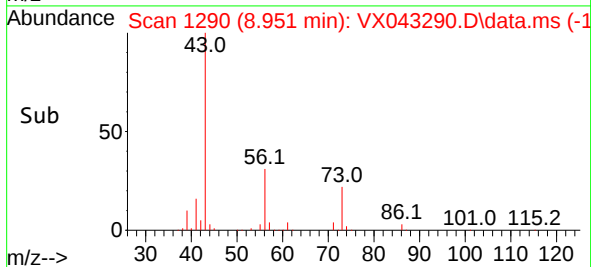
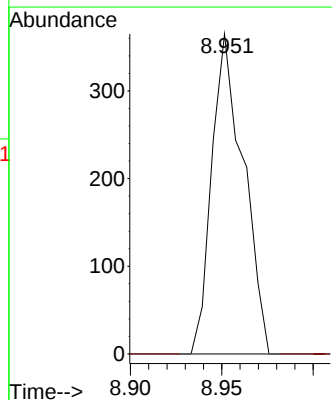
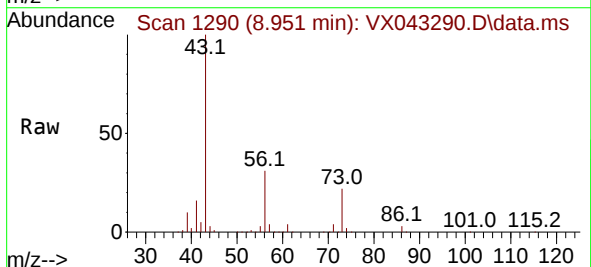
Acq: 04 Oct 2024 15:38

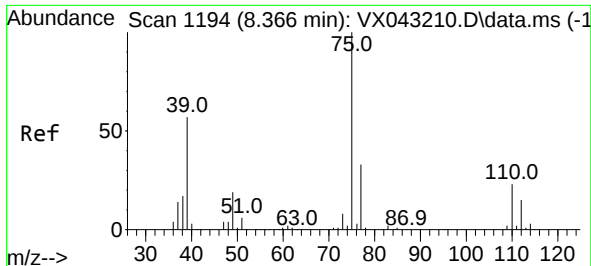
Tgt Ion: 75 Resp: 440

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

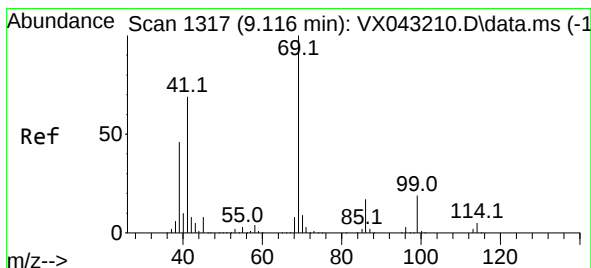
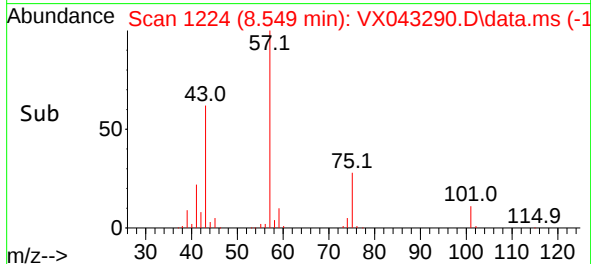
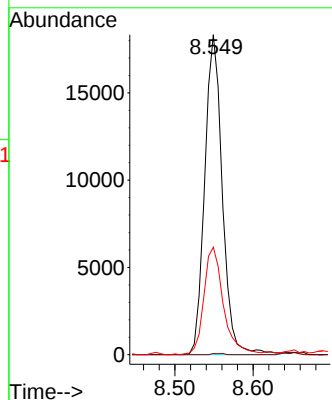
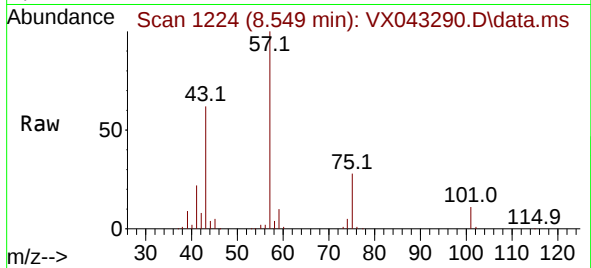




#54
 cis-1,3-Dichloropropene
 Concen: 17.846 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043290.D
 Acq: 04 Oct 2024 15:38

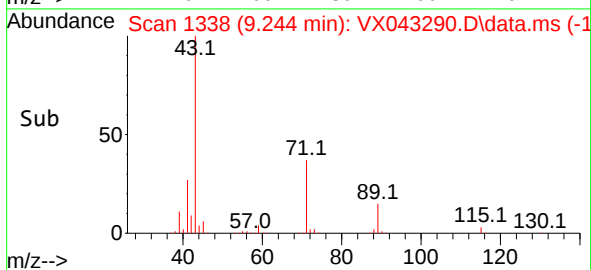
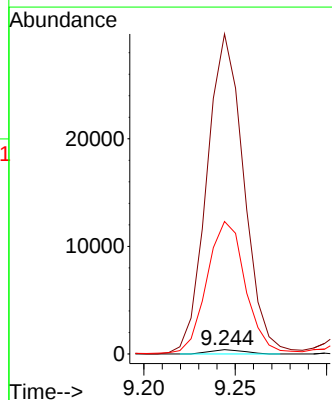
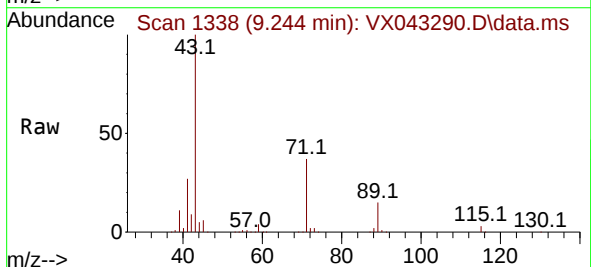
Instrument :
 MSVOA_X
 ClientSampleId :

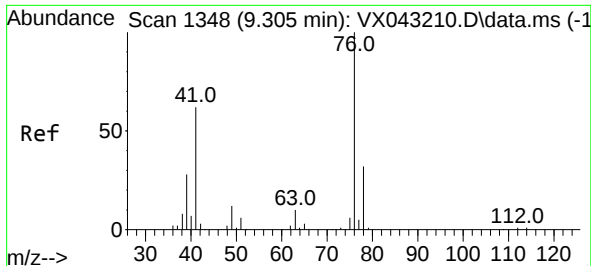
Tgt Ion: 75 Resp: 28606
 Ion Ratio Lower Upper
 75 100
 77 0.3 26.0 39.0#
 39 33.6 45.8 68.8#



#56
 Ethyl methacrylate
 Concen: 0.322 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX043290.D
 Acq: 04 Oct 2024 15:38

Tgt Ion: 69 Resp: 510
 Ion Ratio Lower Upper
 69 100
 41 8265.5 56.1 84.1#
 39 3530.4 36.4 54.6#





#57

1,3-Dichloropropane

Concen: 2.089 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043290.D

Acq: 04 Oct 2024 15:38

Instrument :

MSVOA_X

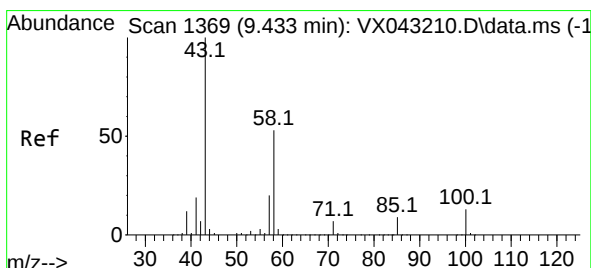
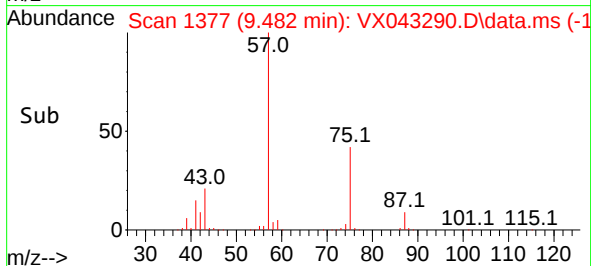
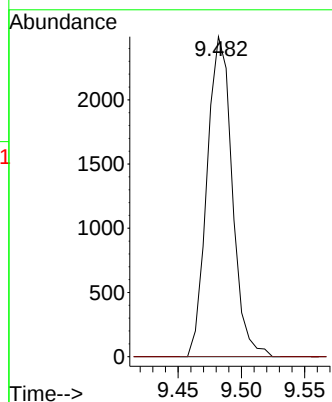
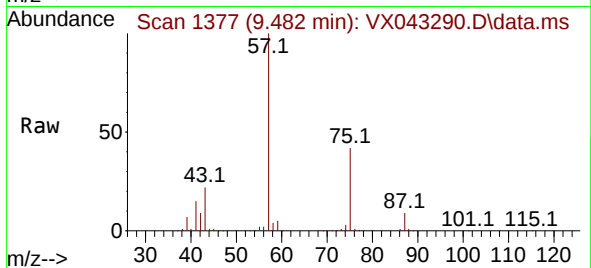
ClientSampleId :

Tgt Ion: 76 Resp: 3448

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 45.532 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043290.D

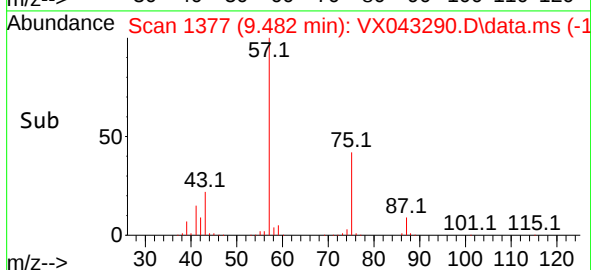
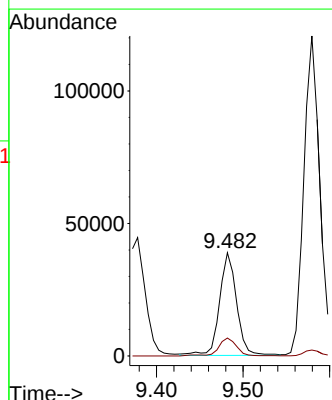
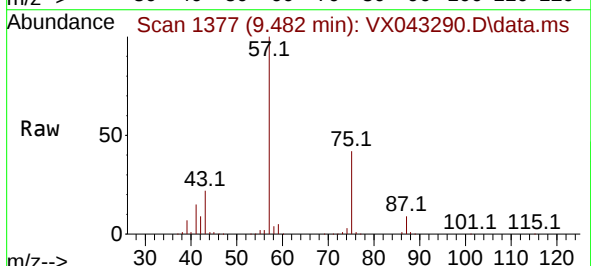
Acq: 04 Oct 2024 15:38

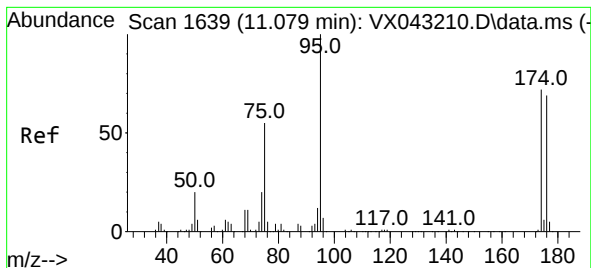
Tgt Ion: 43 Resp: 53223

Ion Ratio Lower Upper

43 100

58 18.8 26.1 78.3#

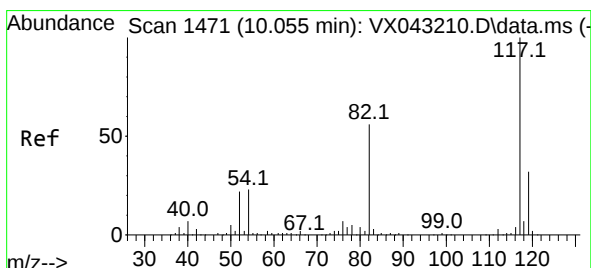
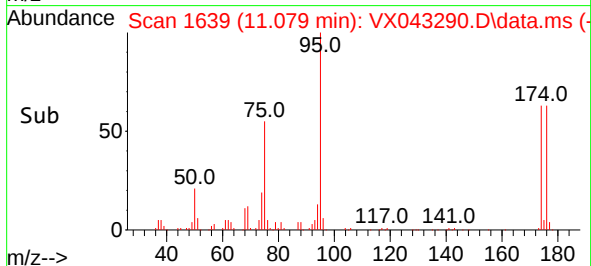
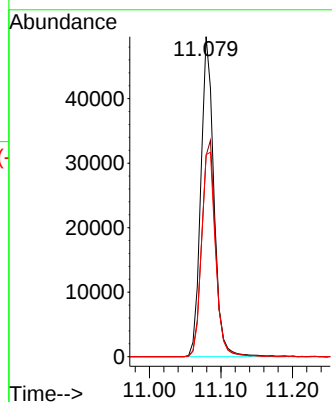
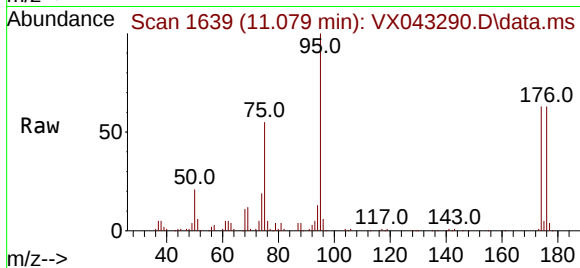




#62
4-Bromofluorobenzene
Concen: 49.140 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

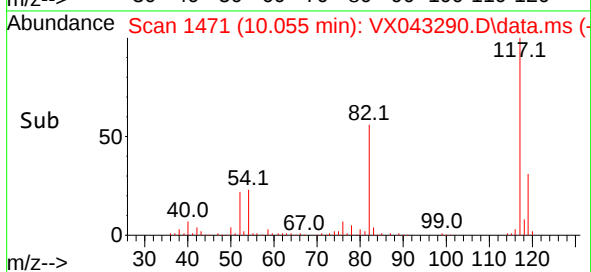
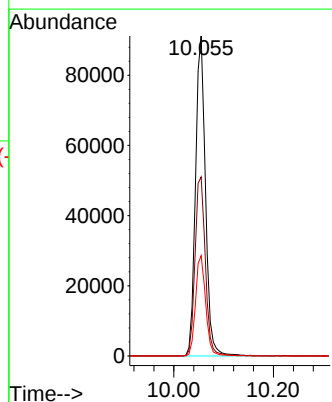
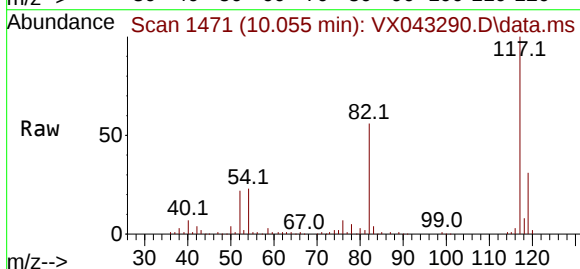
Instrument :
MSVOA_X
ClientSampleId :

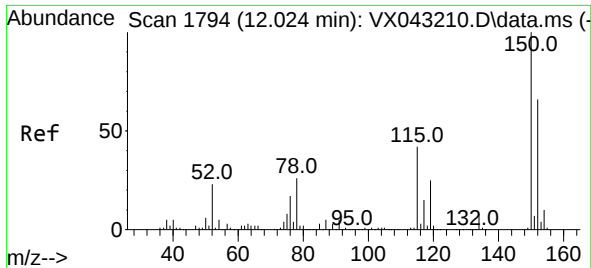
Tgt Ion: 95 Resp: 62835
Ion Ratio Lower Upper
95 100
174 71.4 0.0 145.0
176 69.3 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

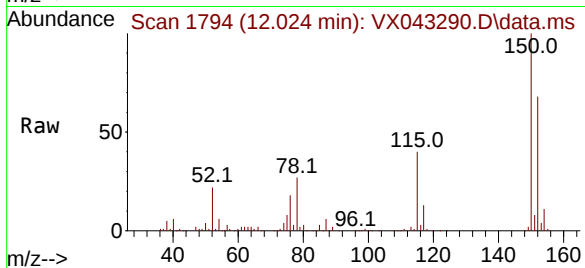
Tgt Ion: 117 Resp: 126782
Ion Ratio Lower Upper
117 100
82 56.0 45.0 67.6
119 31.4 25.3 37.9



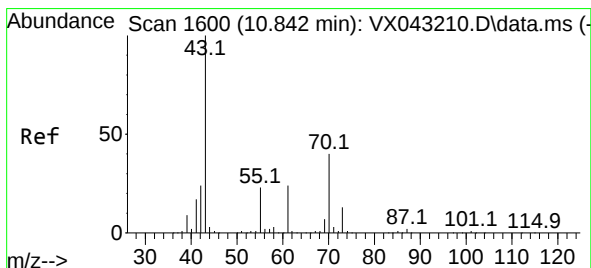
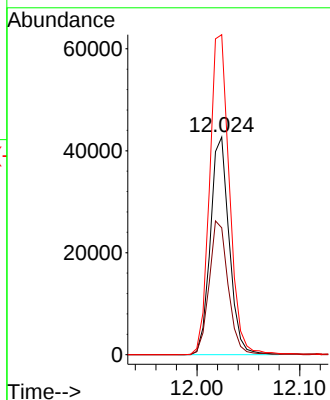
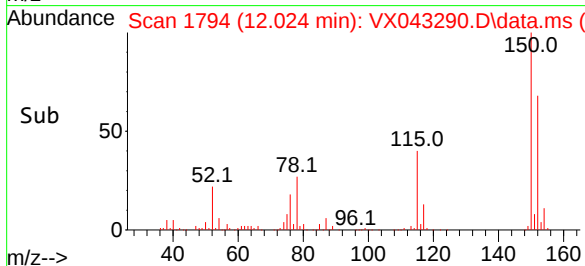


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX043290.D
 Acq: 04 Oct 2024 15:38

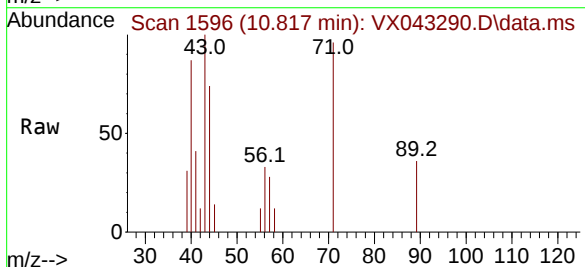
Instrument :
 MSVOA_X
 ClientSampleId :



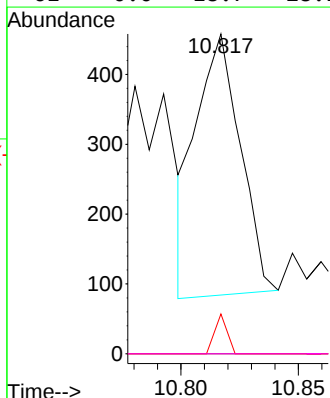
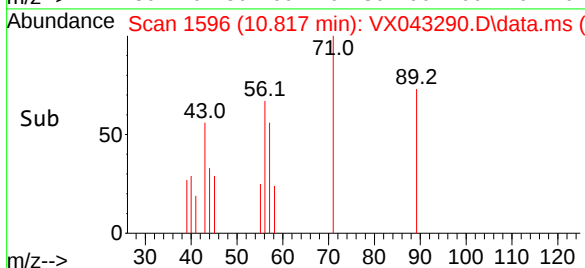
Tgt Ion:152 Resp: 54413
 Ion Ratio Lower Upper
 152 100
 115 62.2 44.1 132.3
 150 155.2 0.0 347.4

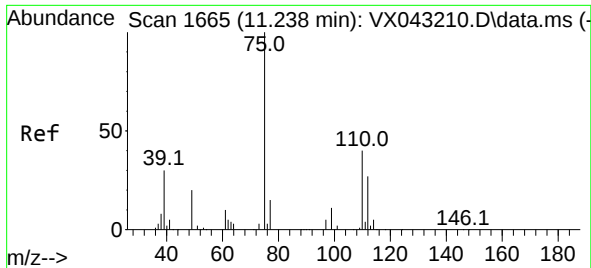


#74
 N-ethyl acetate
 Concen: 0.243 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.025 min
 Lab File: VX043290.D
 Acq: 04 Oct 2024 15:38



Tgt Ion: 43 Resp: 488
 Ion Ratio Lower Upper
 43 100
 70 0.0 33.1 49.7#
 55 0.0 18.6 27.8#
 61 0.0 18.7 28.1#

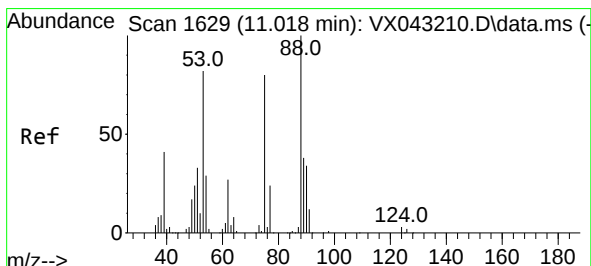
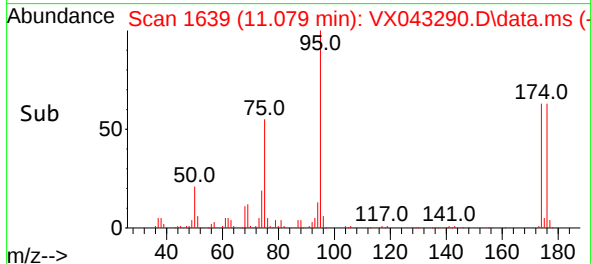
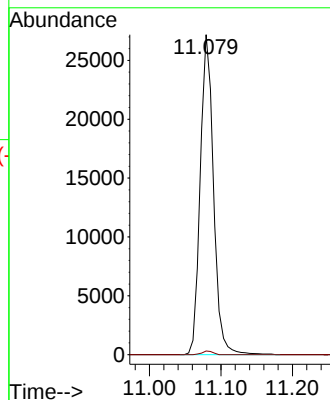
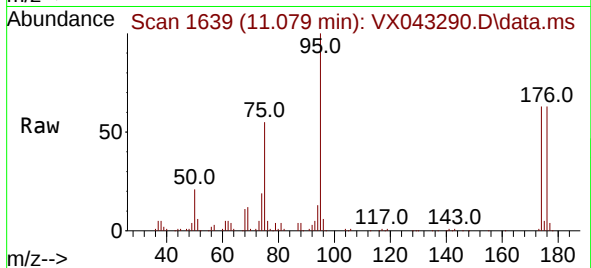




#76
1,2,3-Trichloropropane
Concen: 29.028 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 35035
Ion Ratio Lower Upper
75 100
77 0.9 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.230 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043290.D
Acq: 04 Oct 2024 15:38

Tgt Ion: 75 Resp: 35035
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.2 38.6 58.0#

