

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101424\
 Data File : VX043381.D
 Acq On : 14 Oct 2024 15:16
 Operator : JC/MD
 Sample : P4402-04 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 15 01:47:08 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

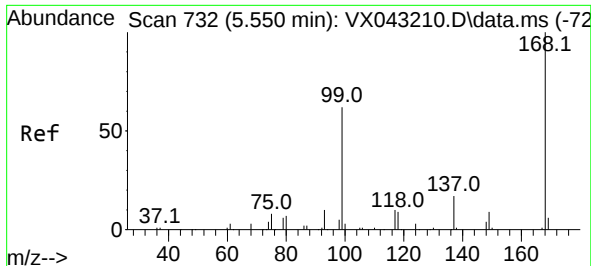
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	85144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	157370	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70864	50.962	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.920%
35) Dibromofluoromethane	5.379	113	50485	46.518	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.040%
50) Toluene-d8	8.647	98	180994	48.124	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.240%
62) 4-Bromofluorobenzene	11.079	95	65872	48.210	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.420%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	180	0.431	ug/l #	2
11) Tert butyl alcohol	2.947	59	5594	21.140	ug/l #	71
13) Acrolein	2.246	56	273	1.092	ug/l #	73
14) Allyl chloride	2.587	41	341	0.219	ug/l #	1
16) Acetone	2.392	43	217519	374.582	ug/l	99
20) Methylene Chloride	2.794	84	255	0.238	ug/l #	51
23) Vinyl Acetate	3.715	43	25	6.346	ug/l #	71
25) 2-Butanone	4.568	43	29792	37.417	ug/l	96
31) Cyclohexane	5.544	56	1966	1.310	ug/l #	4
36) 1,1-Dichloropropene	5.544	75	7270	5.302	ug/l #	46
37) Ethyl Acetate	4.568	43	29792	18.094	ug/l #	68
38) Carbon Tetrachloride	5.550	117	9526	5.869	ug/l #	15
39) Methylcyclohexane	7.208	83	487	0.282	ug/l #	1
51) 4-Methyl-2-Pentanone	8.580	43	1317	0.797	ug/l	98
52) Toluene	8.720	92	738	0.283	ug/l	97
59) 2-Hexanone	9.458	43	425	0.340	ug/l	75
76) 1,2,3-Trichloropropane	11.079	75	36152	27.980	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	36152	72.514	ug/l #	8

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

Quant Time: Oct 15 01:47:08 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

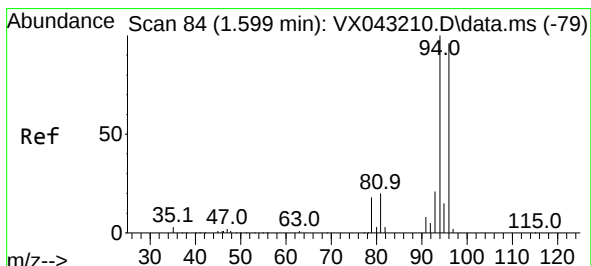
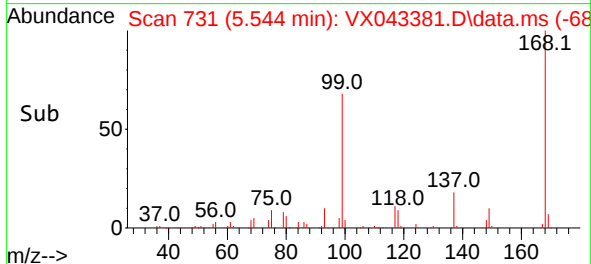
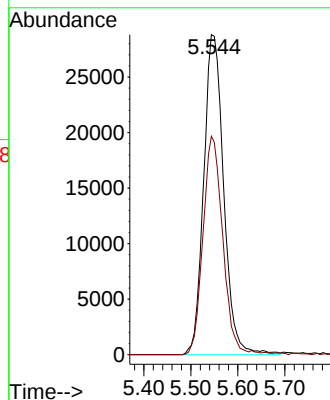
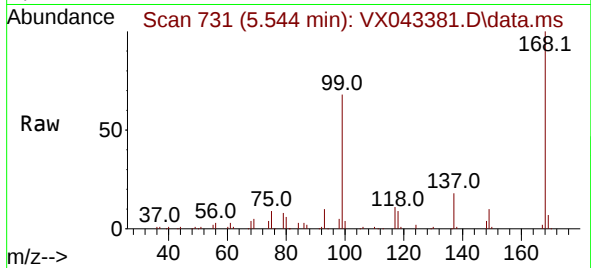




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043381.D
Acq: 14 Oct 2024 15:16

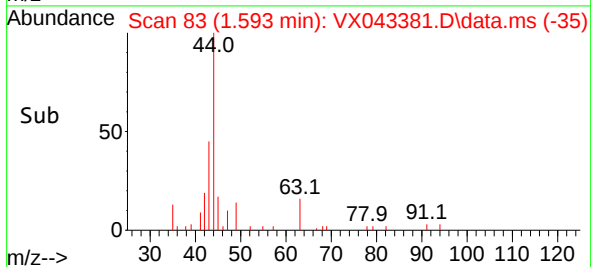
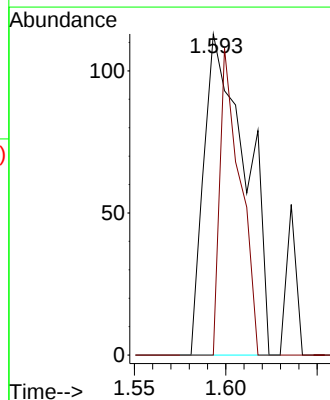
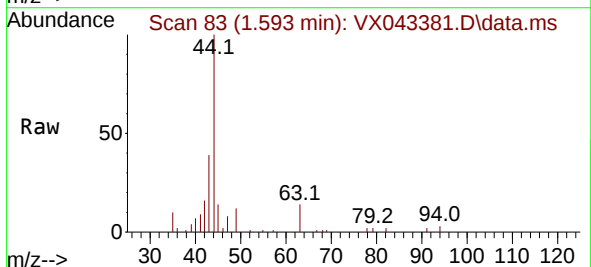
Instrument :
MSVOA_X
ClientSampleId :

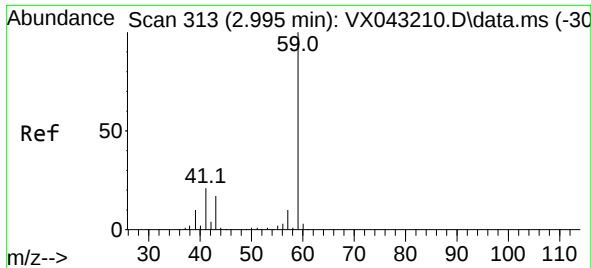
Tgt Ion:168 Resp: 85144
Ion Ratio Lower Upper
168 100
99 68.2 49.7 74.5



#5
Bromomethane
Concen: 0.431 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX043381.D
Acq: 14 Oct 2024 15:16

Tgt Ion: 94 Resp: 180
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#

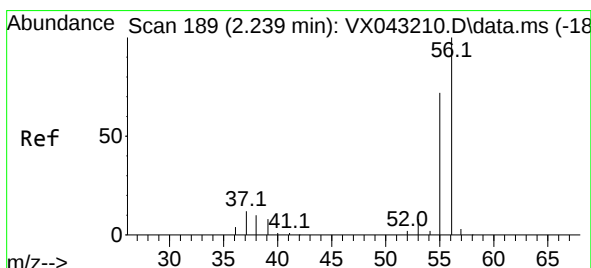
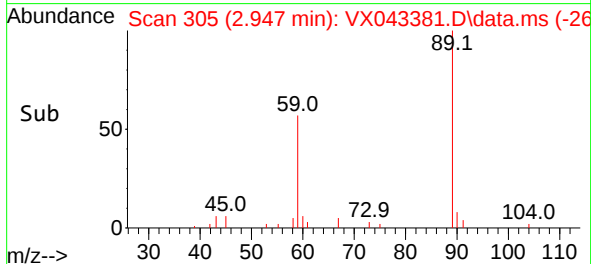
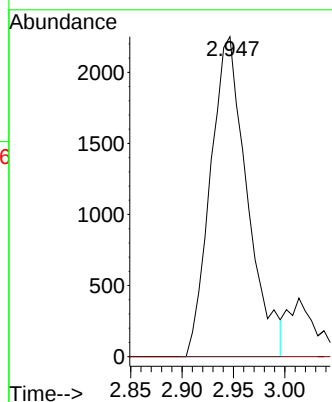
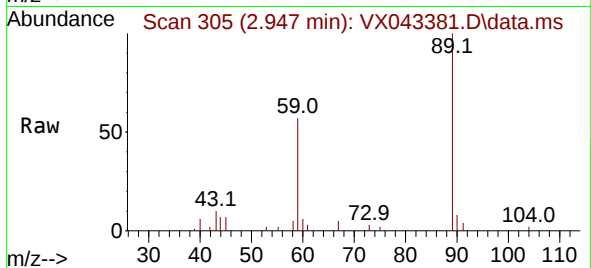




#11
Tert butyl alcohol
Concen: 21.140 ug/l
RT: 2.947 min Scan# 30
Delta R.T. -0.049 min
Lab File: VX043381.D
Acq: 14 Oct 2024 15:16

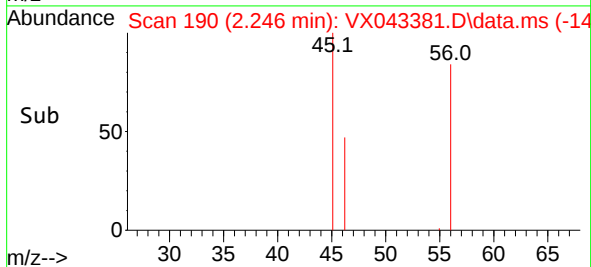
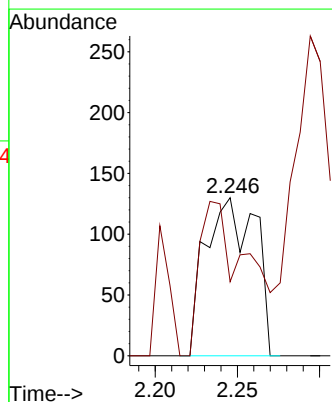
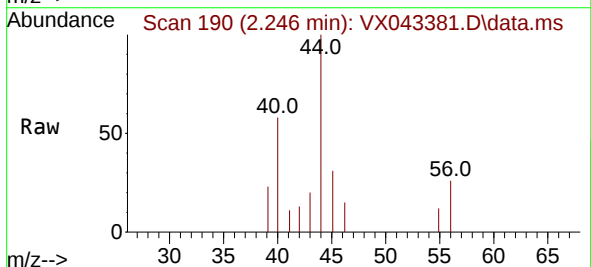
Instrument :
MSVOA_X
ClientSampleId :

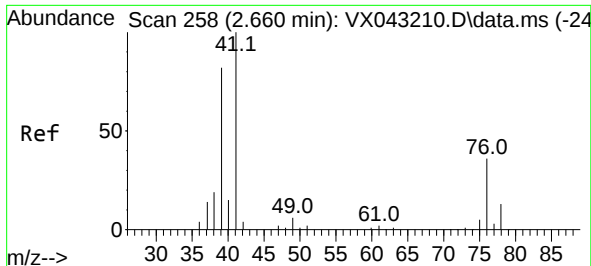
Tgt Ion: 59 Resp: 5594
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: 1.092 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX043381.D
Acq: 14 Oct 2024 15:16

Tgt Ion: 56 Resp: 273
Ion Ratio Lower Upper
56 100
55 93.8 57.4 86.0#

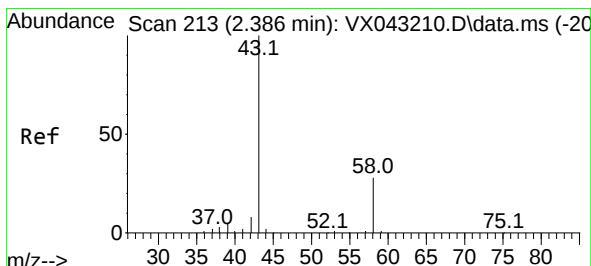
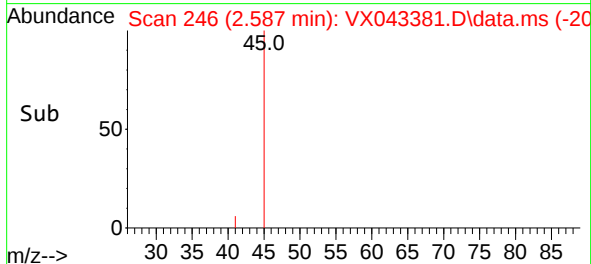
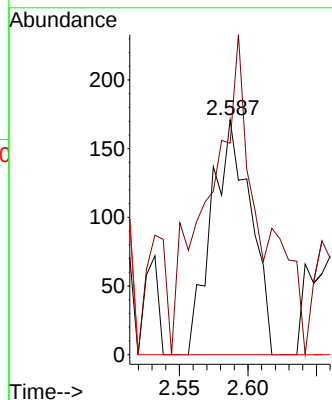
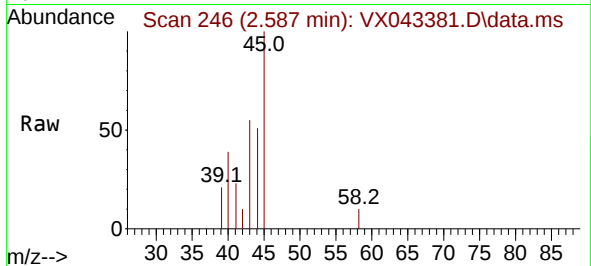




#14
 Allyl chloride
 Concen: 0.219 ug/l
 RT: 2.587 min Scan# 24
 Delta R.T. -0.073 min
 Lab File: VX043381.D
 Acq: 14 Oct 2024 15:16

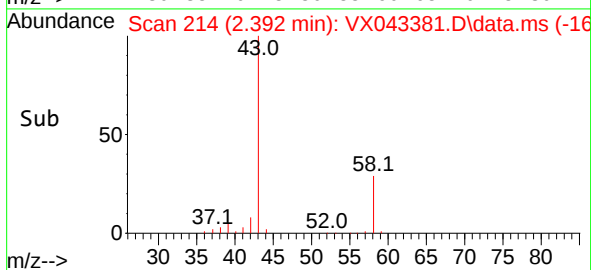
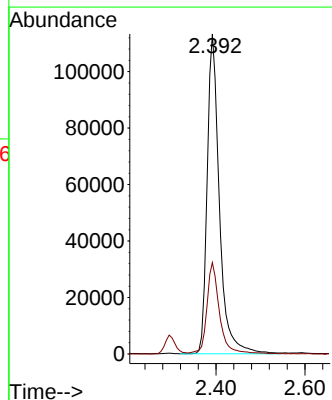
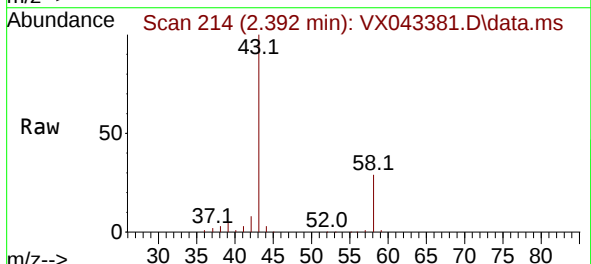
Instrument :
 MSVOA_X
 ClientSampleId :

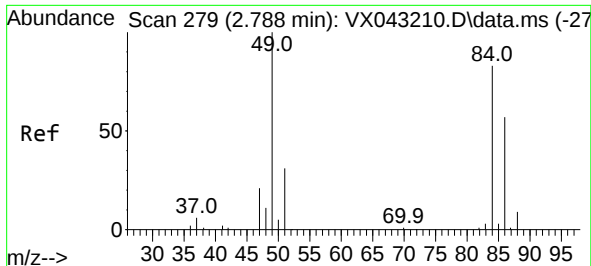
Tgt Ion: 41 Resp: 341
 Ion Ratio Lower Upper
 41 100
 39 178.3 61.7 92.5#
 76 0.0 28.6 43.0#



#16
 Acetone
 Concen: 374.582 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. 0.006 min
 Lab File: VX043381.D
 Acq: 14 Oct 2024 15:16

Tgt Ion: 43 Resp: 217519
 Ion Ratio Lower Upper
 43 100
 58 28.5 22.6 33.8

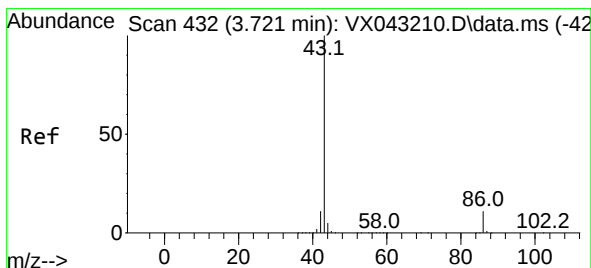
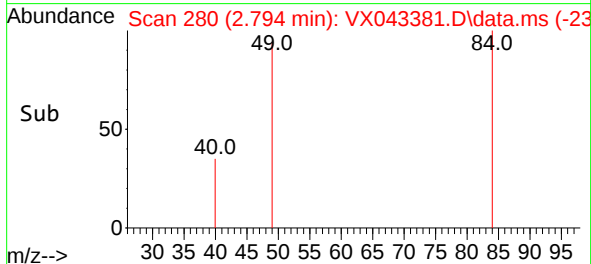
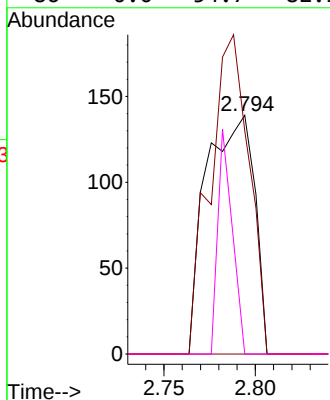
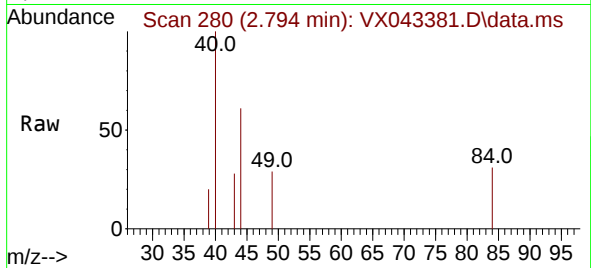




#20
Methylene Chloride
Concen: 0.238 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043381.D
Acq: 14 Oct 2024 15:16

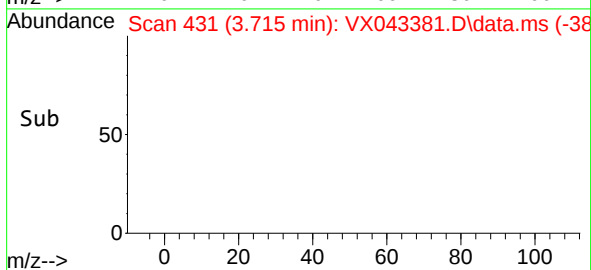
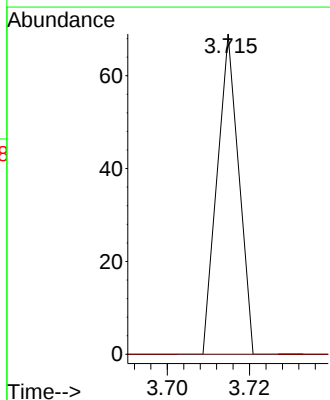
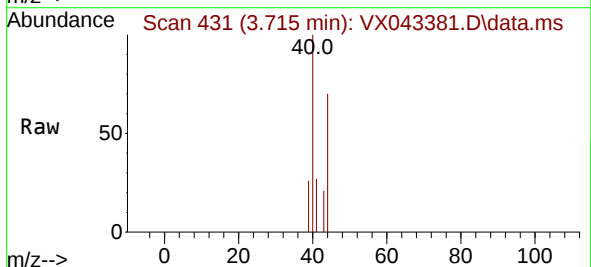
Instrument :
MSVOA_X
ClientSampleId :

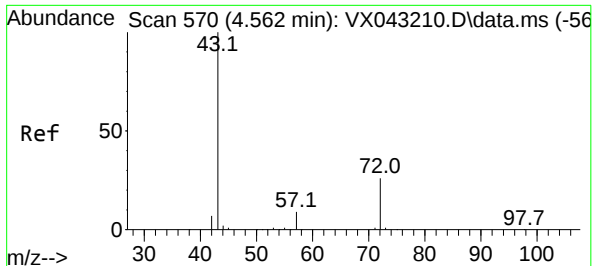
Tgt Ion: 84 Resp: 255
Ion Ratio Lower Upper
84 100
49 93.5 96.7 145.1#
51 0.0 30.4 45.6#
86 0.0 54.7 82.1#



#23
Vinyl Acetate
Concen: 6.346 ug/l
RT: 3.715 min Scan# 431
Delta R.T. -0.006 min
Lab File: VX043381.D
Acq: 14 Oct 2024 15:16

Tgt Ion: 43 Resp: 25
Ion Ratio Lower Upper
43 100
86 0.0 8.8 13.2#





#25

2-Butanone

Concen: 37.417 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX043381.D

Acq: 14 Oct 2024 15:16

Instrument :

MSVOA_X

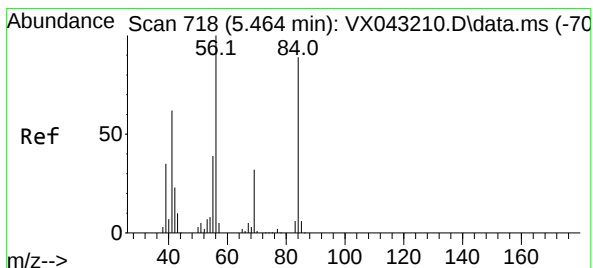
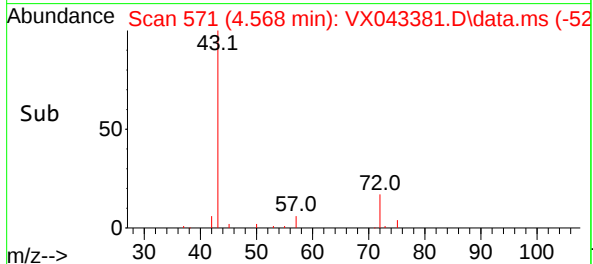
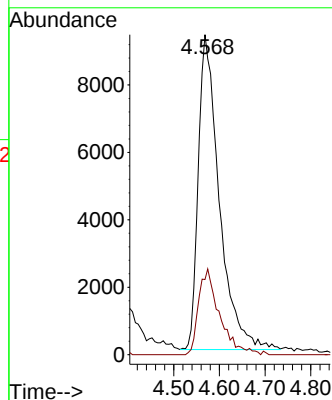
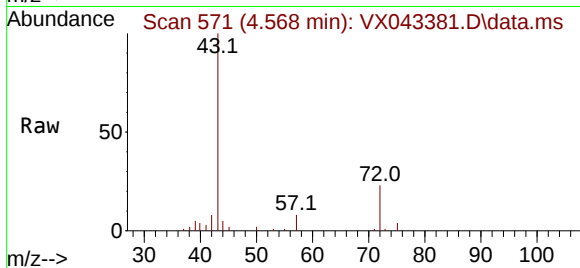
ClientSampleId :

Tgt Ion: 43 Resp: 29792

Ion Ratio Lower Upper

43 100

72 23.9 20.6 31.0



#31

Cyclohexane

Concen: 1.310 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX043381.D

Acq: 14 Oct 2024 15:16

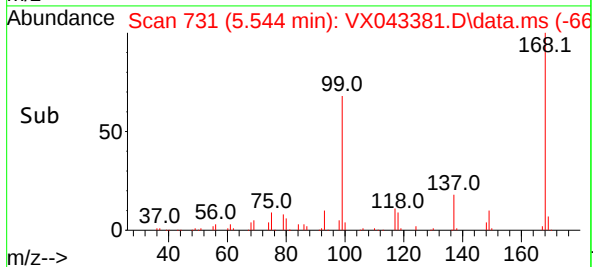
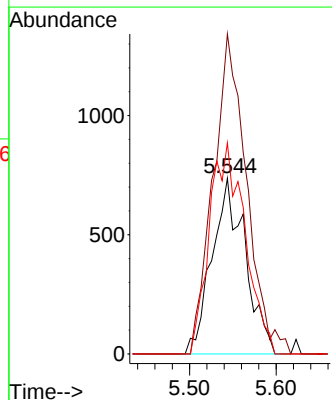
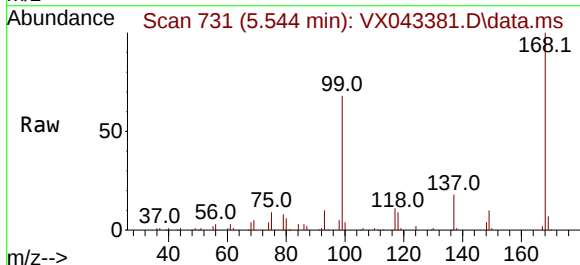
Tgt Ion: 56 Resp: 1966

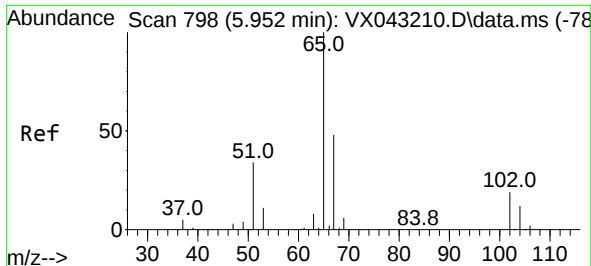
Ion Ratio Lower Upper

56 100

69 182.1 25.8 38.6#

84 120.1 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 50.962 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043381.D

Acq: 14 Oct 2024 15:16

Instrument :

MSVOA_X

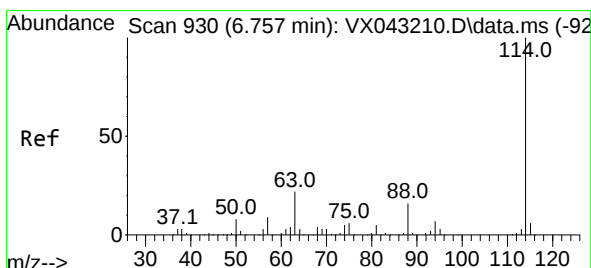
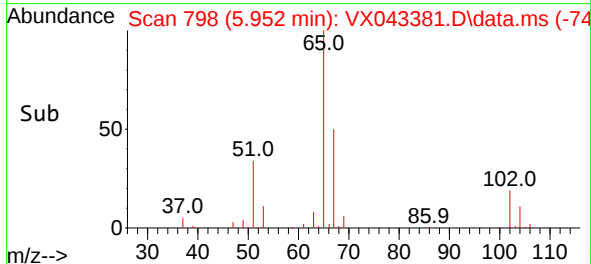
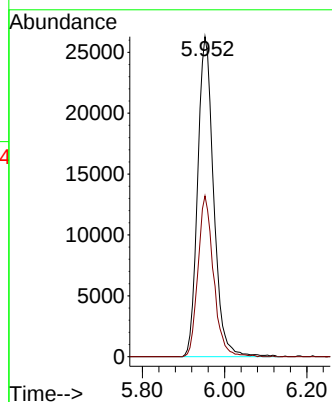
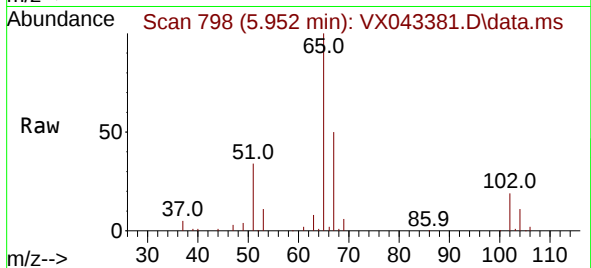
ClientSampleId :

Tgt Ion: 65 Resp: 70864

Ion Ratio Lower Upper

65 100

67 49.0 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043381.D

Acq: 14 Oct 2024 15:16

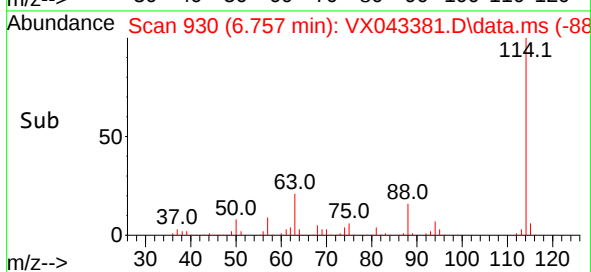
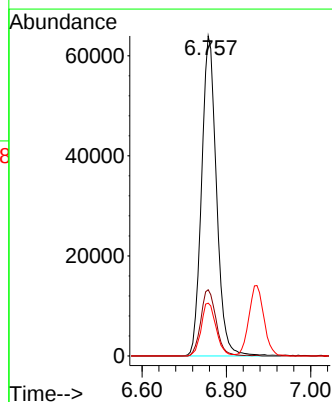
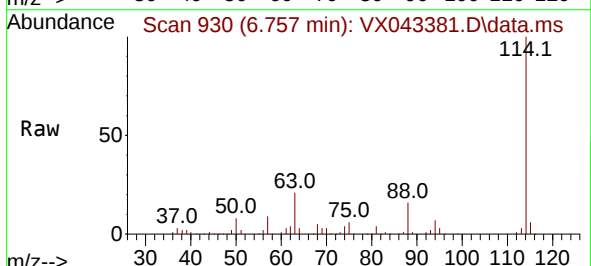
Tgt Ion: 114 Resp: 157370

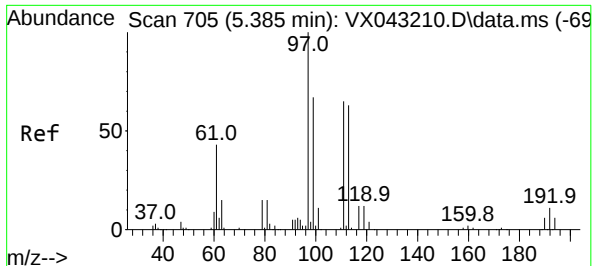
Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.0

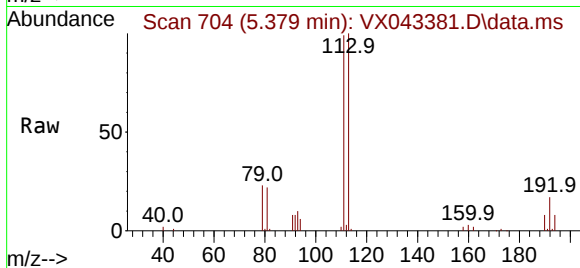
88 16.5 0.0 33.0



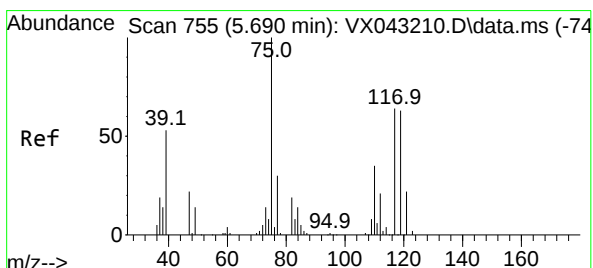
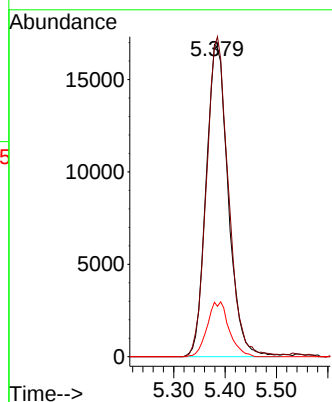
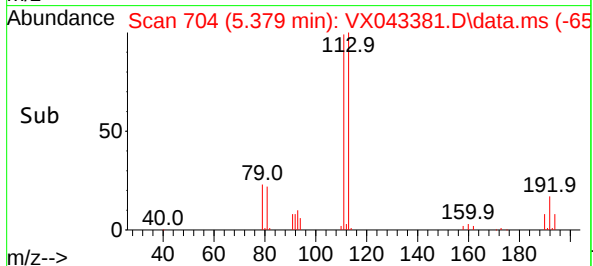


#35
Dibromofluoromethane
Concen: 46.518 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX043381.D
Acq: 14 Oct 2024 15:16

Instrument :
MSVOA_X
ClientSampleId :

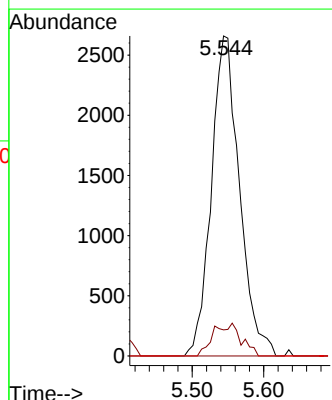
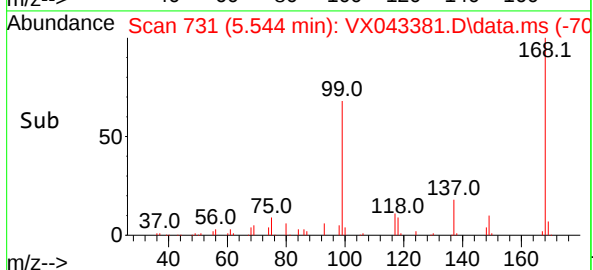
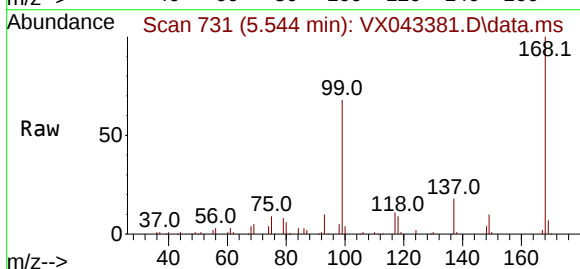


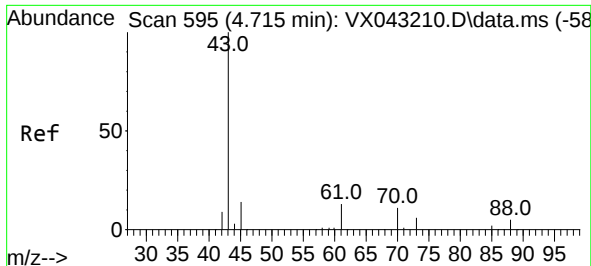
Tgt Ion:113 Resp: 50485
Ion Ratio Lower Upper
113 100
111 101.8 83.4 125.0
192 17.4 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.302 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX043381.D
Acq: 14 Oct 2024 15:16

Tgt Ion: 75 Resp: 7270
Ion Ratio Lower Upper
75 100
110 4.7 17.8 53.3#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 18.094 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.146 min

Lab File: VX043381.D

Acq: 14 Oct 2024 15:16

Instrument :

MSVOA_X

ClientSampleId :

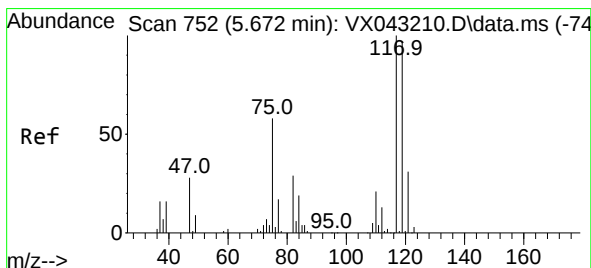
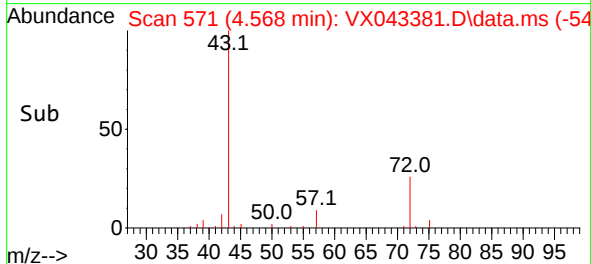
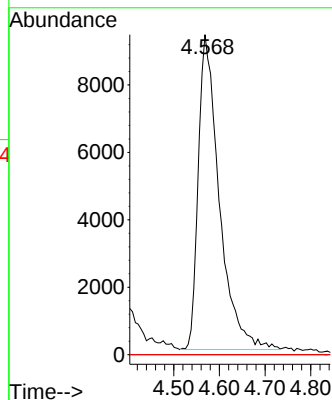
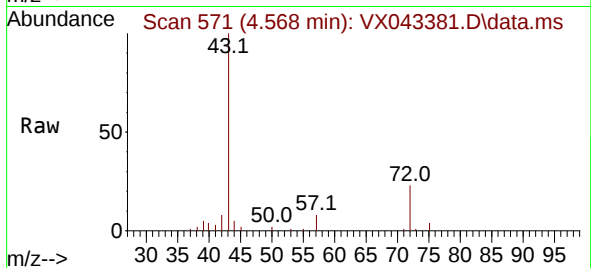
Tgt Ion: 43 Resp: 29792

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

70 0.0 8.9 13.3#



#38

Carbon Tetrachloride

Concen: 5.869 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX043381.D

Acq: 14 Oct 2024 15:16

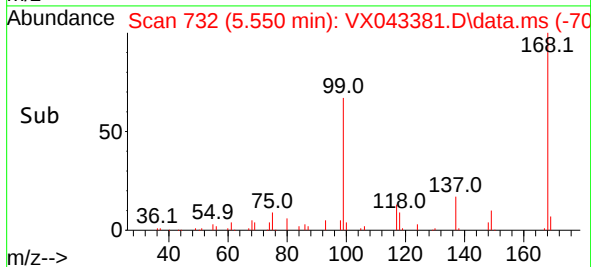
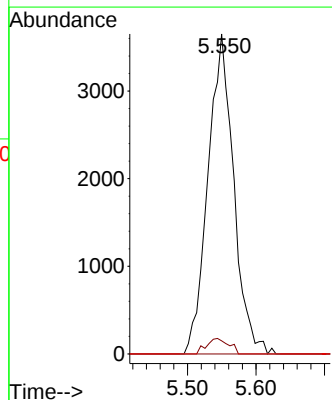
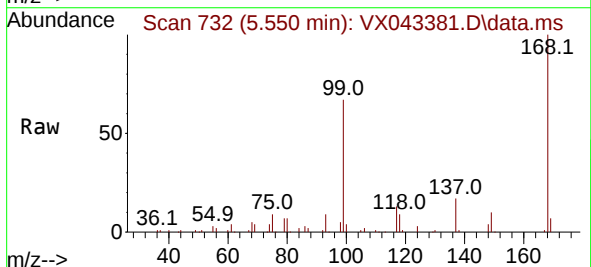
Tgt Ion: 117 Resp: 9526

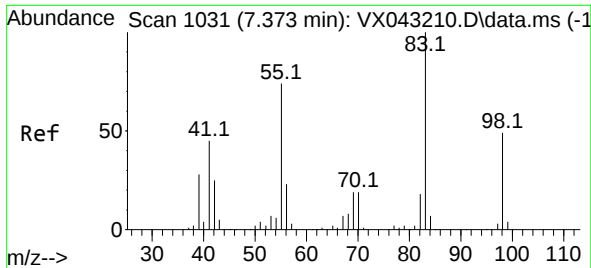
Ion Ratio Lower Upper

117 100

119 4.1 77.7 116.5#

121 0.0 24.3 36.5#

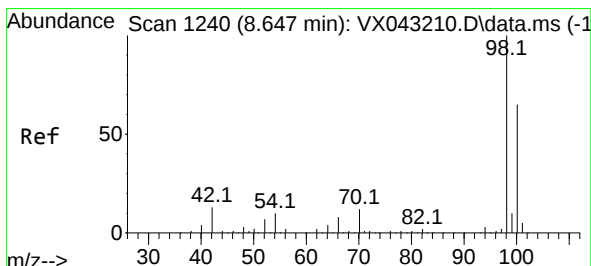
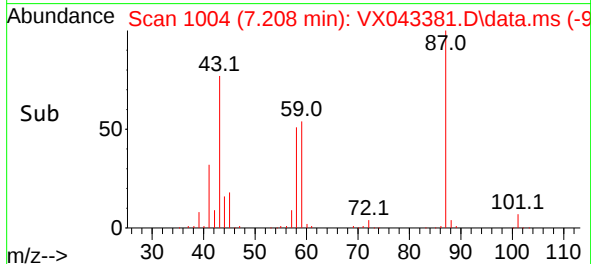
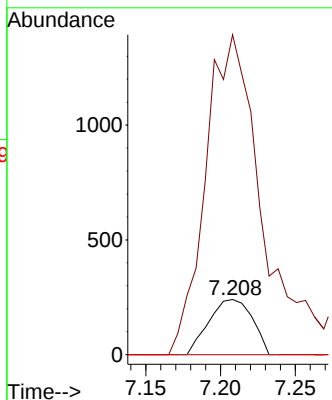
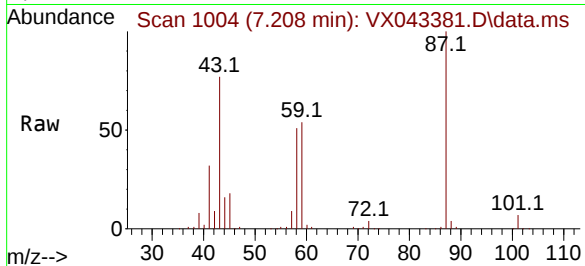




#39
Methylcyclohexane
Concen: 0.282 ug/l
RT: 7.208 min Scan# 1031
Delta R.T. -0.165 min
Lab File: VX043381.D
Acq: 14 Oct 2024 15:16

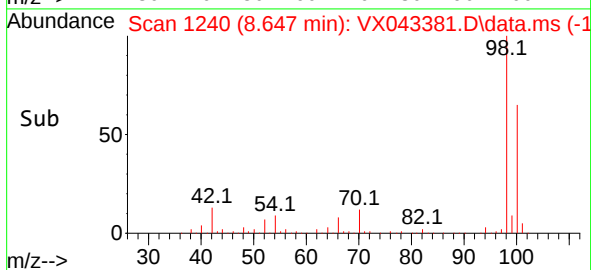
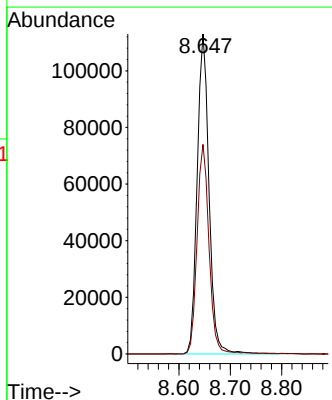
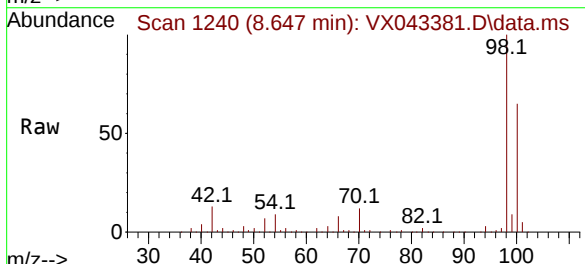
Instrument :
MSVOA_X
ClientSampleId :

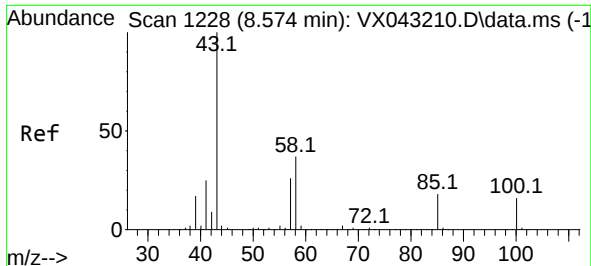
Tgt Ion: 83 Resp: 487
Ion Ratio Lower Upper
83 100
55 542.1 59.4 89.2#
98 0.0 39.3 58.9#



#50
Toluene-d8
Concen: 48.124 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043381.D
Acq: 14 Oct 2024 15:16

Tgt Ion: 98 Resp: 180994
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 0.797 ug/l

RT: 8.580 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX043381.D

Acq: 14 Oct 2024 15:16

Instrument :

MSVOA_X

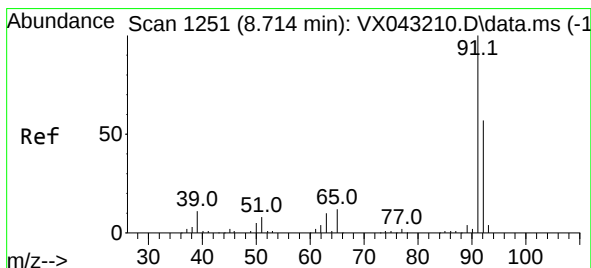
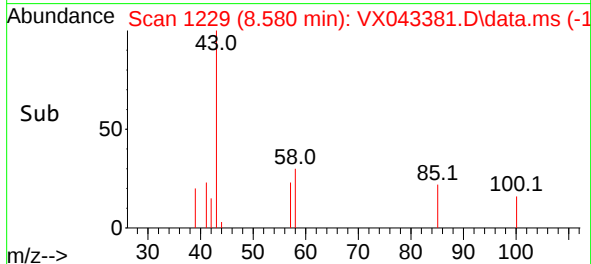
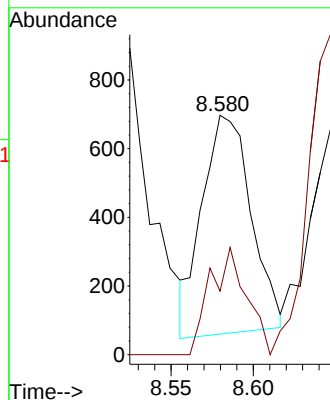
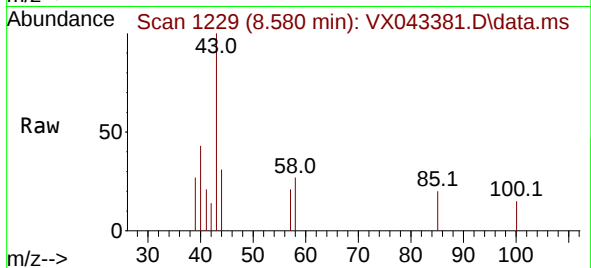
ClientSampleId :

Tgt Ion: 43 Resp: 1317

Ion Ratio Lower Upper

43 100

58 36.4 30.0 45.0



#52

Toluene

Concen: 0.283 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX043381.D

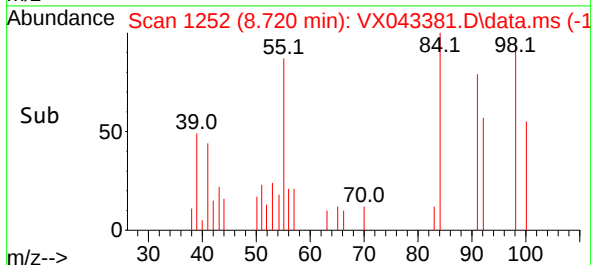
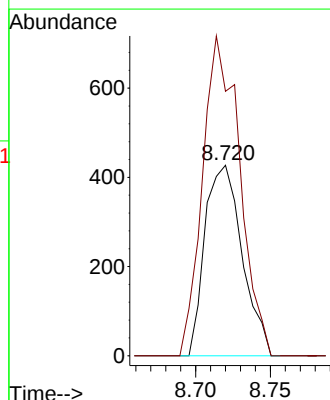
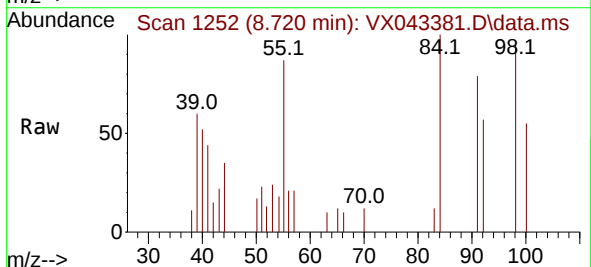
Acq: 14 Oct 2024 15:16

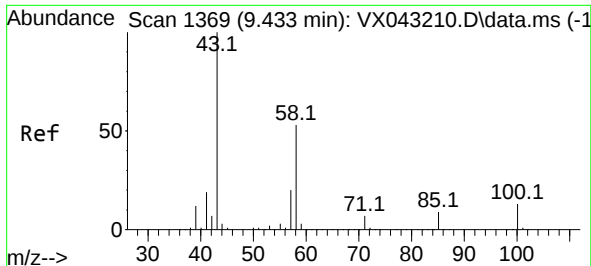
Tgt Ion: 92 Resp: 738

Ion Ratio Lower Upper

92 100

91 167.5 137.0 205.4





#59

2-Hexanone

Concen: 0.340 ug/l

RT: 9.458 min Scan# 11

Delta R.T. 0.024 min

Lab File: VX043381.D

Acq: 14 Oct 2024 15:16

Instrument :

MSVOA_X

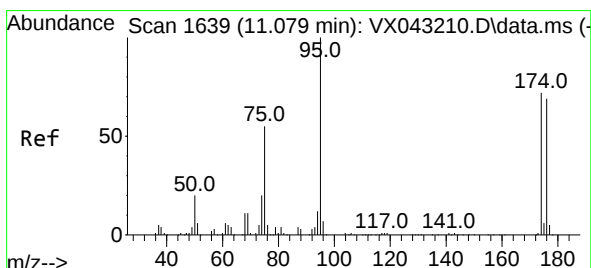
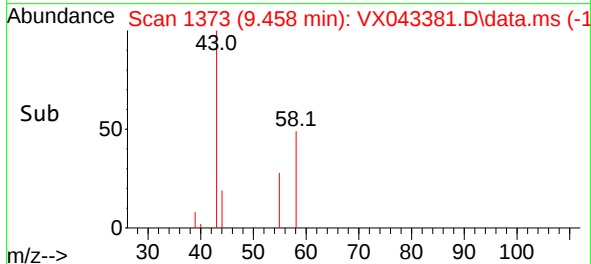
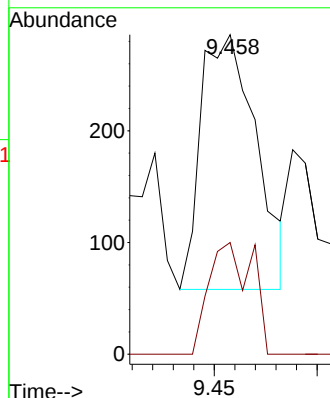
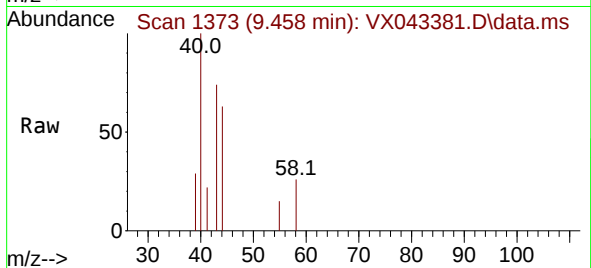
ClientSampleId :

Tgt Ion: 43 Resp: 425

Ion Ratio Lower Upper

43 100

58 34.4 26.1 78.3



#62

4-Bromofluorobenzene

Concen: 48.210 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043381.D

Acq: 14 Oct 2024 15:16

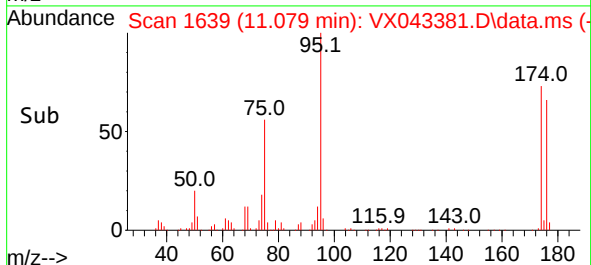
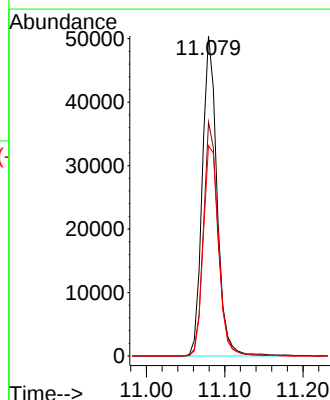
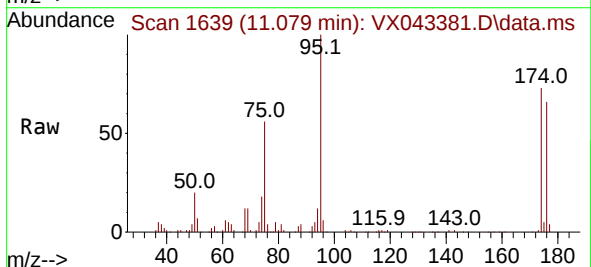
Tgt Ion: 95 Resp: 65872

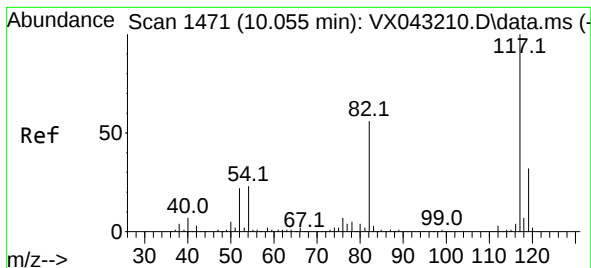
Ion Ratio Lower Upper

95 100

174 72.3 0.0 145.0

176 69.1 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: VX043381.D

Acq: 14 Oct 2024 15:16

Instrument :

MSVOA_X

ClientSampleId :

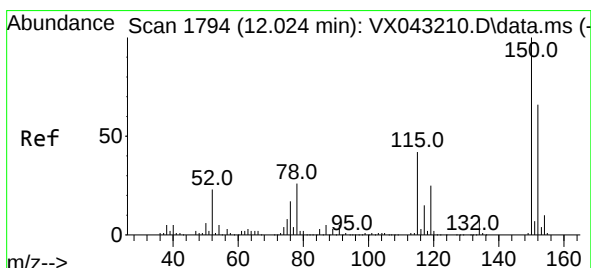
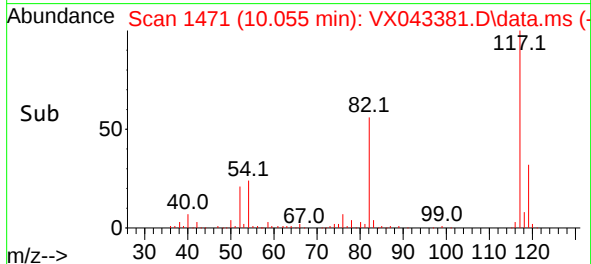
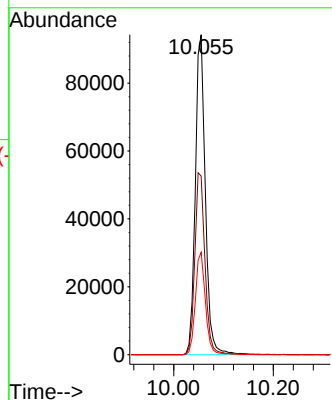
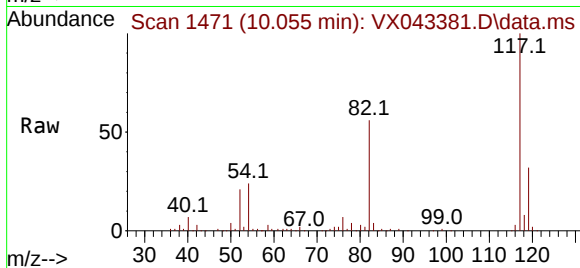
Tgt Ion:117 Resp: 131496

Ion Ratio Lower Upper

117 100

82 55.8 45.0 67.6

119 32.0 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX043381.D

Acq: 14 Oct 2024 15:16

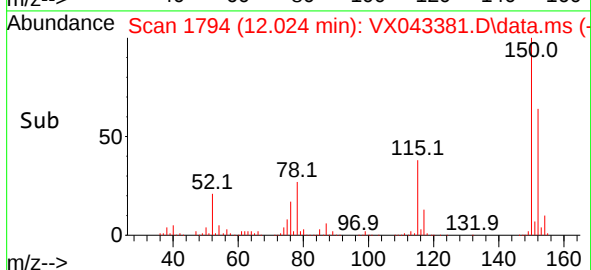
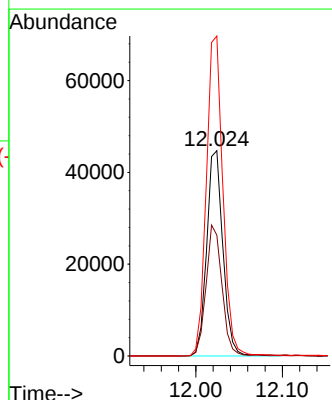
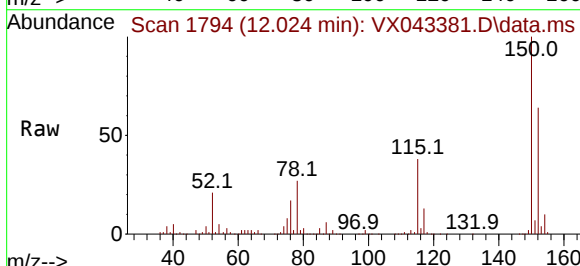
Tgt Ion:152 Resp: 58251

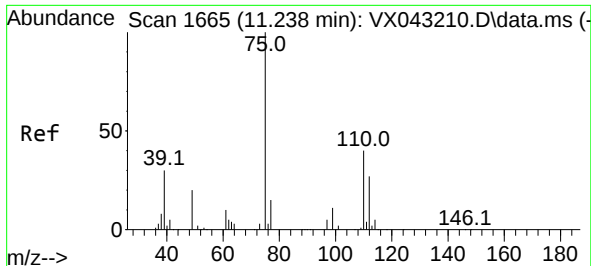
Ion Ratio Lower Upper

152 100

115 62.6 44.1 132.3

150 158.5 0.0 347.4

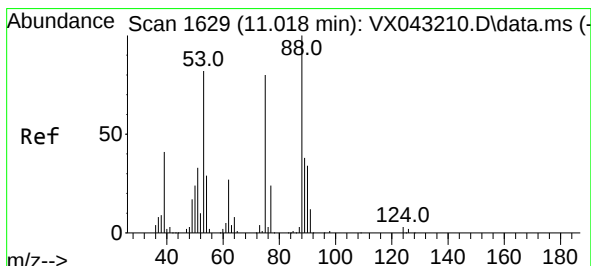
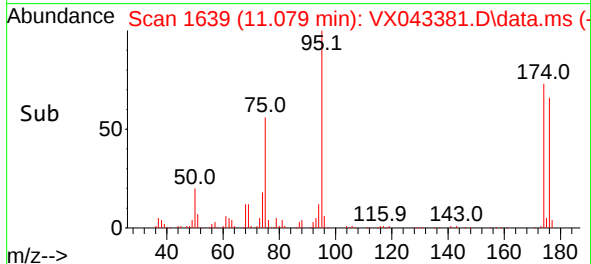
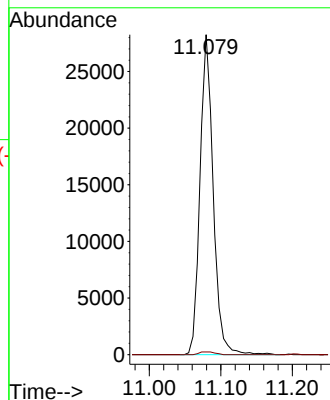
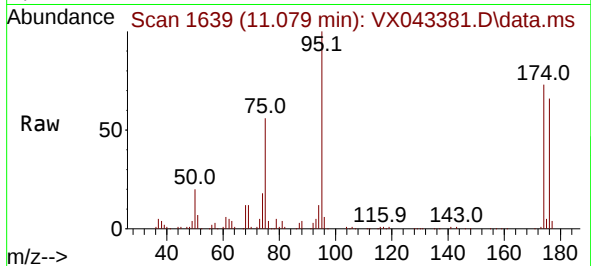




#76
1,2,3-Trichloropropane
Concen: 27.980 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043381.D
Acq: 14 Oct 2024 15:16

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 36152
Ion Ratio Lower Upper
75 100
77 1.1 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.514 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043381.D
Acq: 14 Oct 2024 15:16

Tgt Ion: 75 Resp: 36152
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

