

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101424\
 Data File : VX043382.D
 Acq On : 14 Oct 2024 15:39
 Operator : JC/MD
 Sample : P4402-05 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 15 01:47:34 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	85951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	156881	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63734	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69307	49.374	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.740%
35) Dibromofluoromethane	5.385	113	50805	46.958	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.920%
50) Toluene-d8	8.647	98	183131	48.844	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.680%
62) 4-Bromofluorobenzene	11.079	95	71118	52.212	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.420%

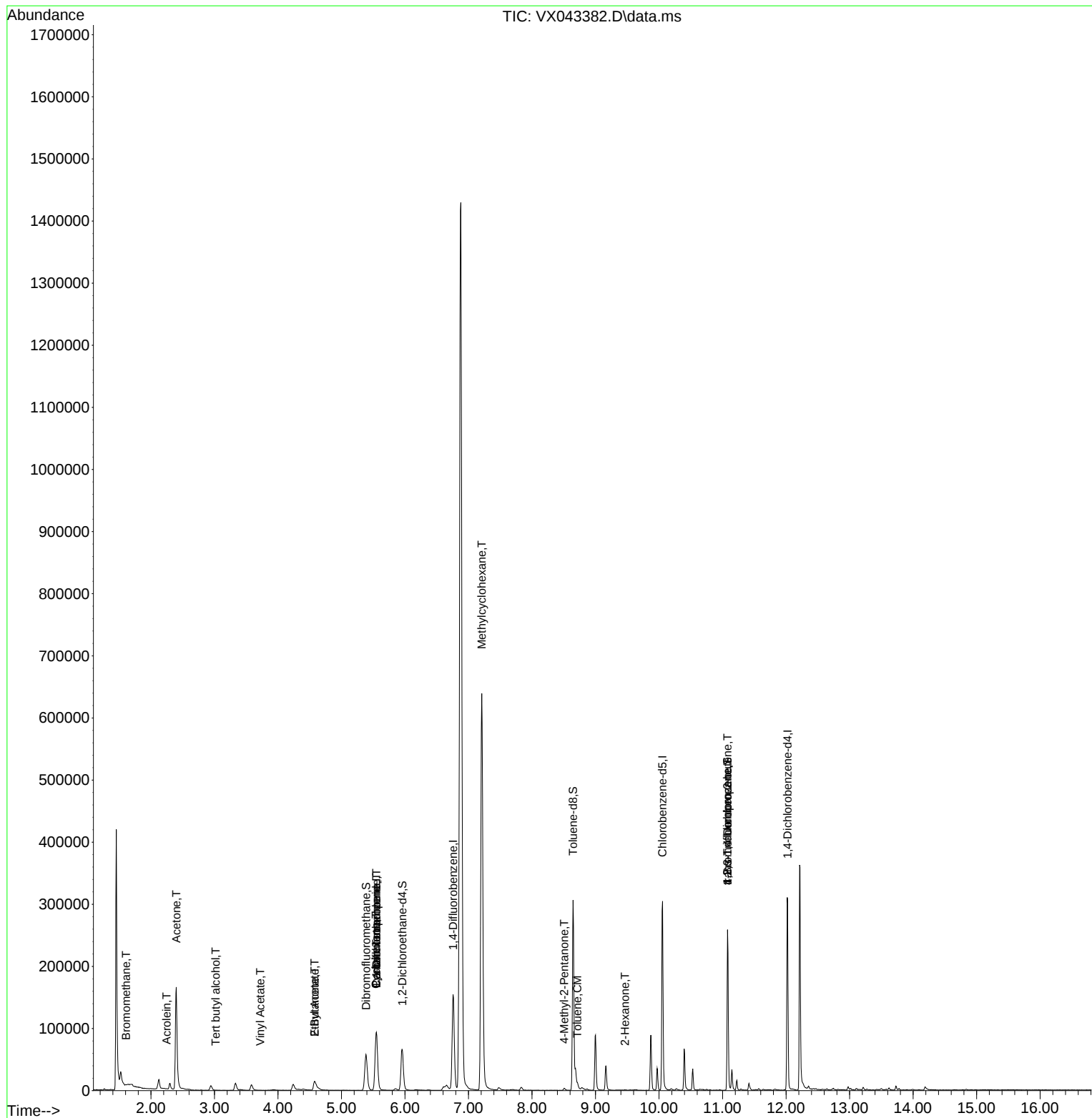
Target Compounds					Qvalue	
5) Bromomethane	1.605	94	101	0.240	ug/l #	69
11) Tert butyl alcohol	3.020	59	228	0.854	ug/l #	71
13) Acrolein	2.245	56	233	0.924	ug/l	87
16) Acetone	2.398	43	207133	353.348	ug/l	99
23) Vinyl Acetate	3.721	43	19	6.344	ug/l #	71
25) 2-Butanone	4.574	43	28957	36.027	ug/l	93
31) Cyclohexane	5.544	56	1985	1.311	ug/l #	10
36) 1,1-Dichloropropene	5.550	75	7458	5.457	ug/l #	49
37) Ethyl Acetate	4.574	43	28957	17.642	ug/l #	68
38) Carbon Tetrachloride	5.550	117	9862	6.095	ug/l #	15
39) Methylcyclohexane	7.208	83	511	0.297	ug/l #	1
51) 4-Methyl-2-Pentanone	8.506	43	4202	2.552	ug/l #	37
52) Toluene	8.714	92	2033	0.783	ug/l	98
59) 2-Hexanone	9.464	43	524	0.421	ug/l	81
76) 1,2,3-Trichloropropane	11.079	75	38759	27.417	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	38759	71.055	ug/l #	8

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

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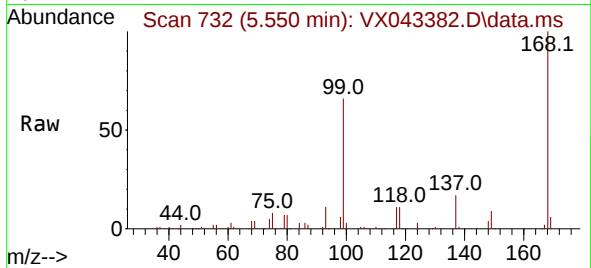


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043382.D
Acq: 14 Oct 2024 15:39

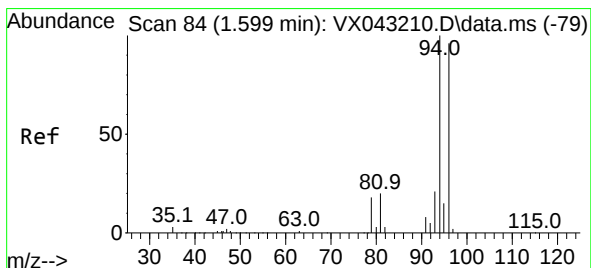
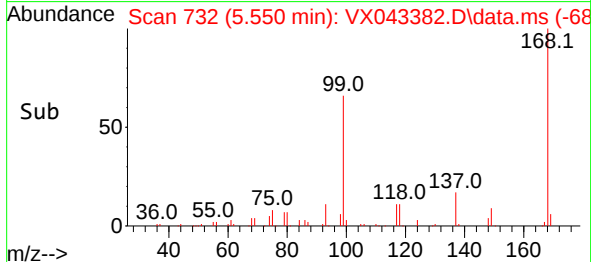
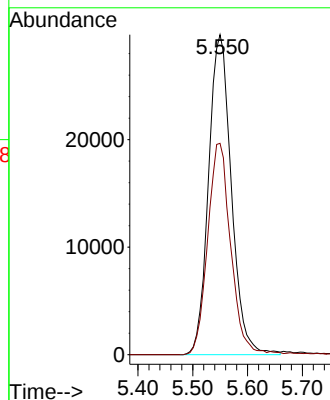
Instrument :

MSVOA_X

ClientSampleId :

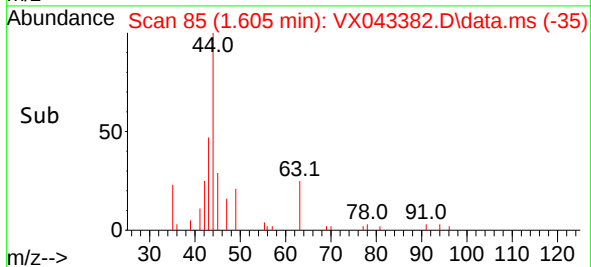
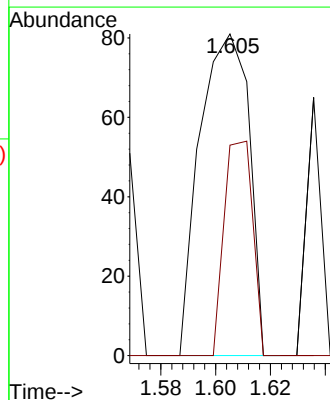
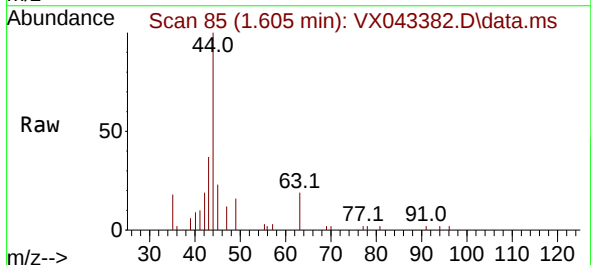


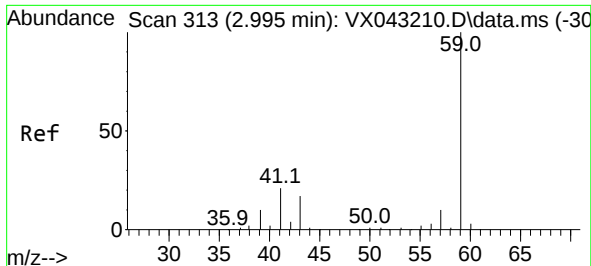
Tgt Ion:168 Resp: 85951
Ion Ratio Lower Upper
168 100
99 66.0 49.7 74.5



#5
Bromomethane
Concen: 0.240 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX043382.D
Acq: 14 Oct 2024 15:39

Tgt Ion: 94 Resp: 101
Ion Ratio Lower Upper
94 100
96 65.4 76.6 115.0#





#11

Tert butyl alcohol

Concen: 0.854 ug/l

RT: 3.020 min Scan# 31

Delta R.T. 0.024 min

Lab File: VX043382.D

Acq: 14 Oct 2024 15:39

Instrument :

MSVOA_X

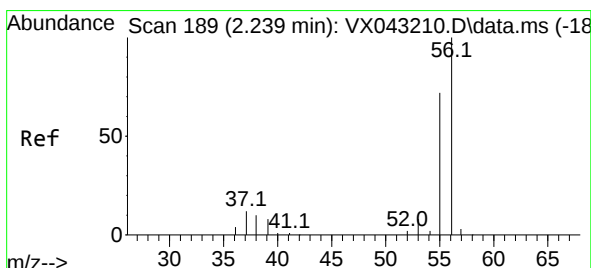
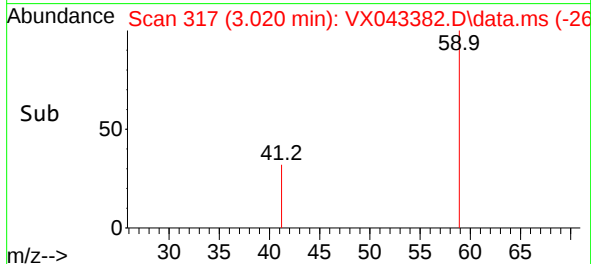
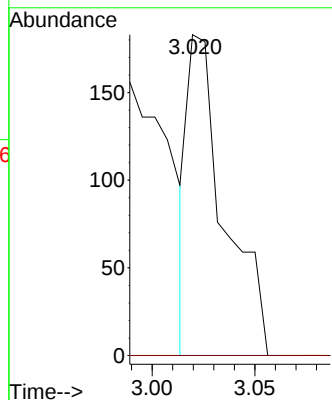
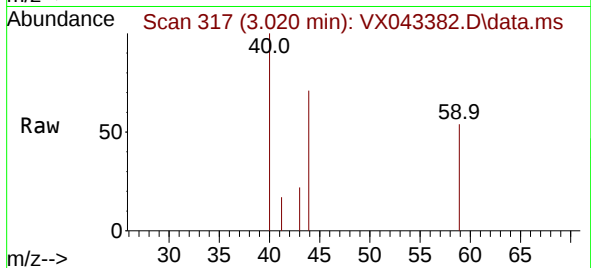
ClientSampleId :

Tgt Ion: 59 Resp: 228

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#13

Acrolein

Concen: 0.924 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX043382.D

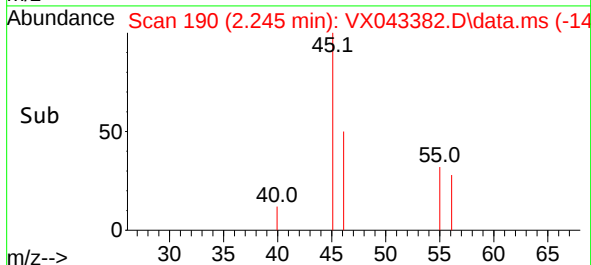
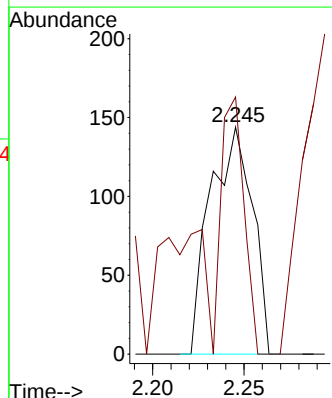
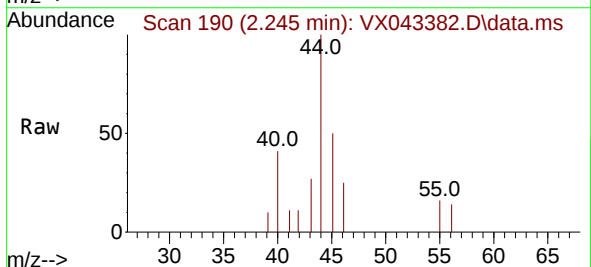
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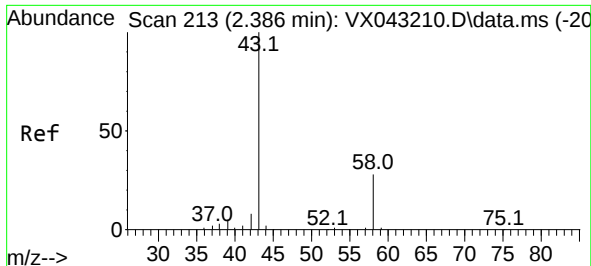
Tgt Ion: 56 Resp: 233

Ion Ratio Lower Upper

56 100

55 60.5 57.4 86.0

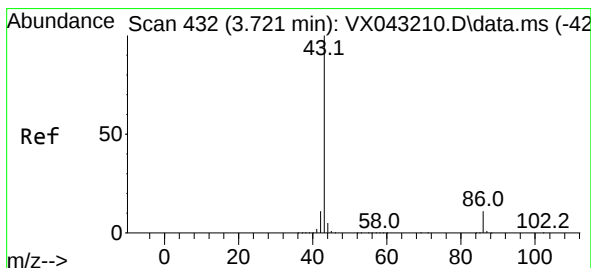
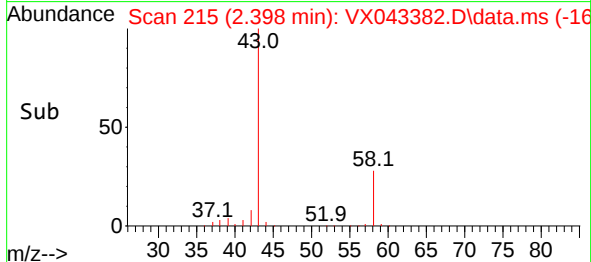
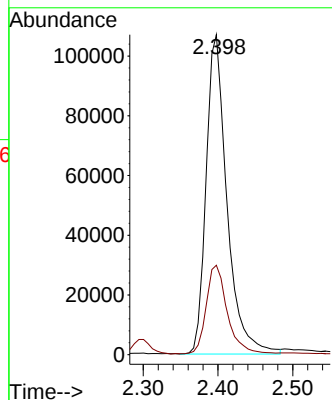
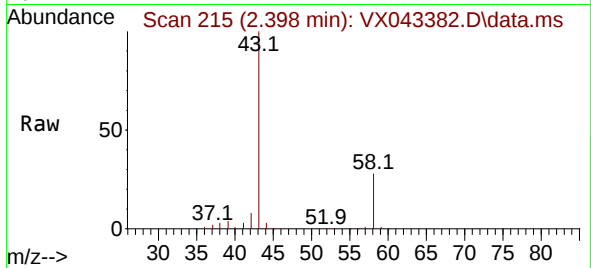




#16
Acetone
Concen: 353.348 ug/l
RT: 2.398 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX043382.D
Acq: 14 Oct 2024 15:39

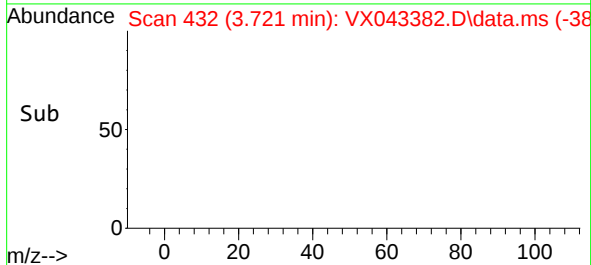
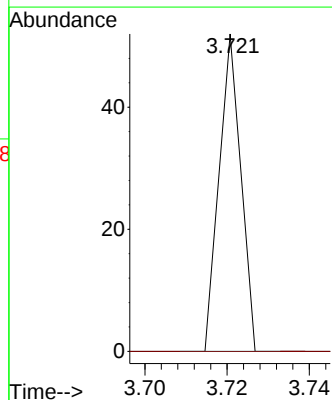
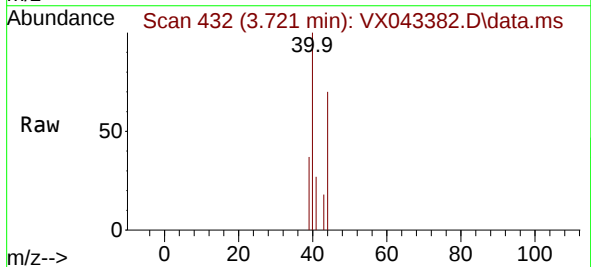
Instrument :
MSVOA_X
ClientSampleId :

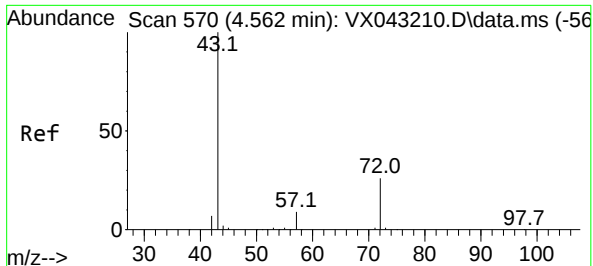
Tgt Ion: 43 Resp: 207133
Ion Ratio Lower Upper
43 100
58 27.7 22.6 33.8



#23
Vinyl Acetate
Concen: 6.344 ug/l
RT: 3.721 min Scan# 432
Delta R.T. -0.000 min
Lab File: VX043382.D
Acq: 14 Oct 2024 15:39

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
86 0.0 8.8 13.2#





#25

2-Butanone

Concen: 36.027 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX043382.D

Acq: 14 Oct 2024 15:39

Instrument :

MSVOA_X

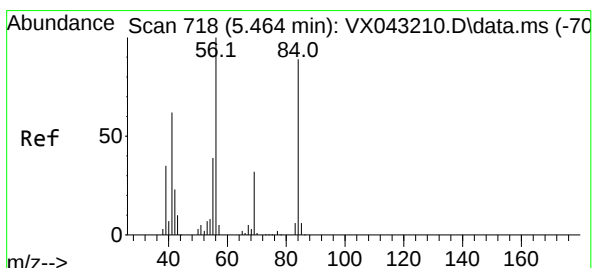
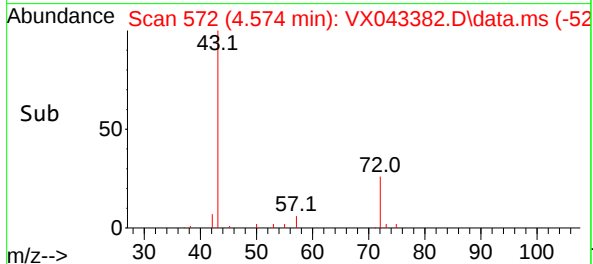
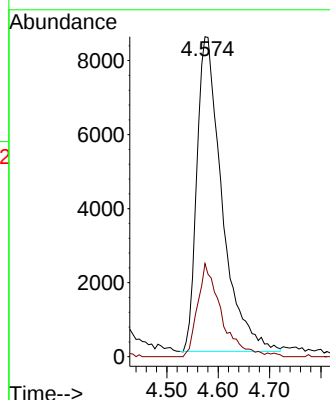
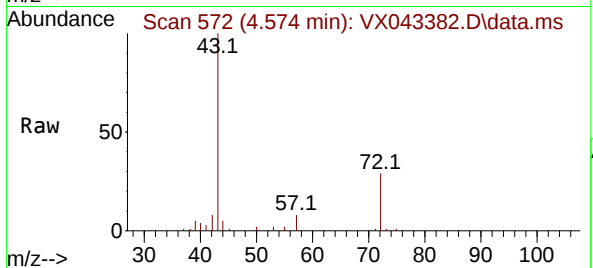
ClientSampleId :

Tgt Ion: 43 Resp: 28957

Ion Ratio Lower Upper

43 100

72 29.6 20.6 31.0



#31

Cyclohexane

Concen: 1.311 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX043382.D

Acq: 14 Oct 2024 15:39

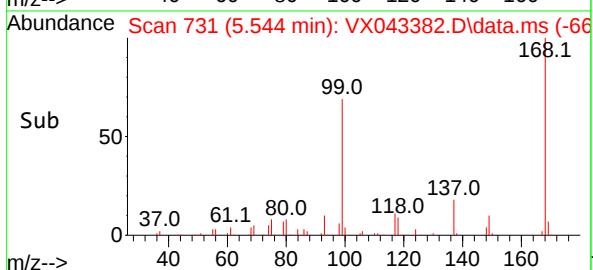
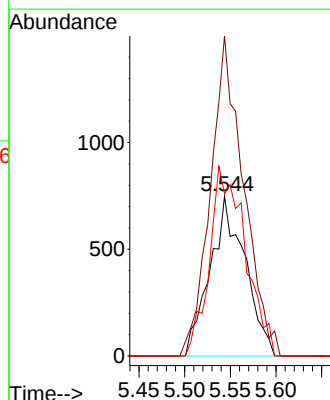
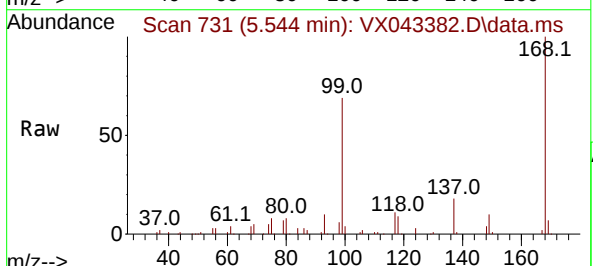
Tgt Ion: 56 Resp: 1985

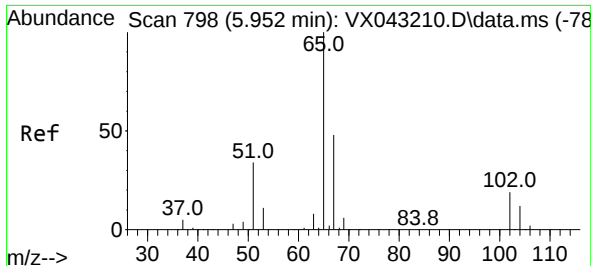
Ion Ratio Lower Upper

56 100

69 200.4 25.8 38.6#

84 101.5 71.1 106.7

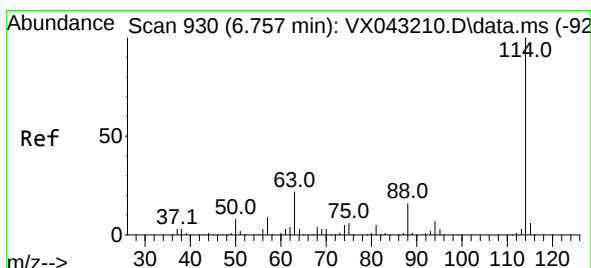
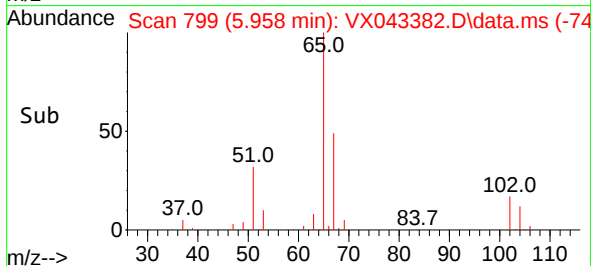
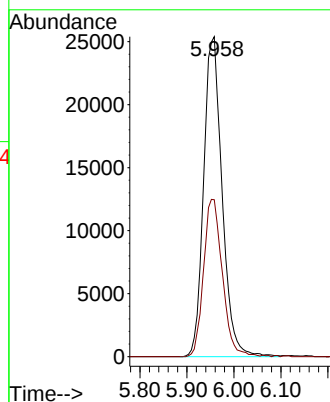
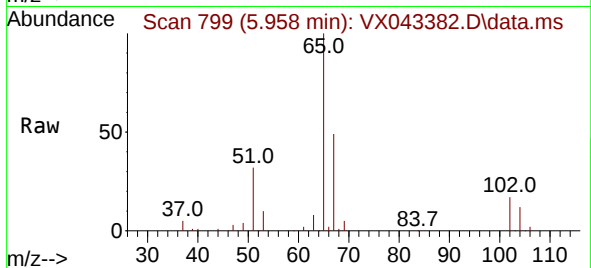




#33
 1,2-Dichloroethane-d4
 Concen: 49.374 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX043382.D
 Acq: 14 Oct 2024 15:39

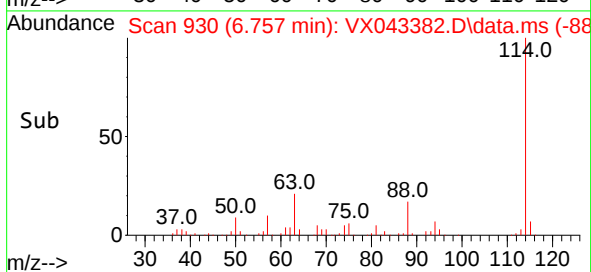
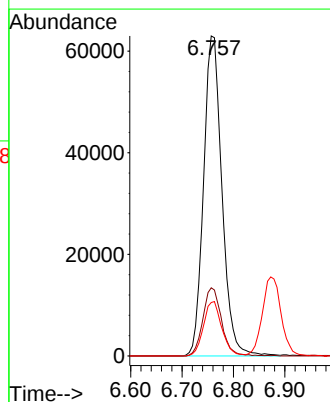
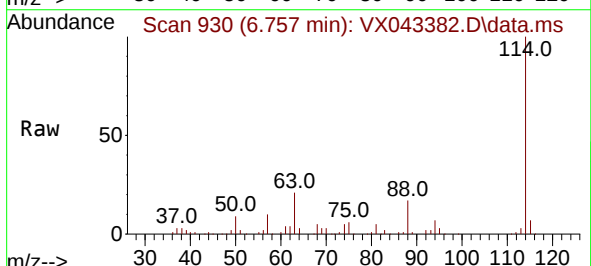
Instrument :
 MSVOA_X
 ClientSampleId :

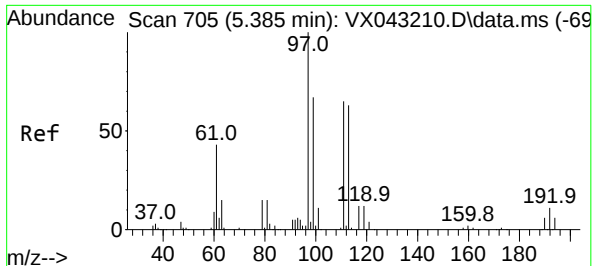
Tgt Ion: 65 Resp: 69307
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX043382.D
 Acq: 14 Oct 2024 15:39

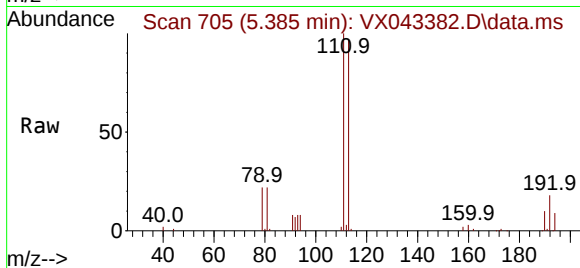
Tgt Ion: 114 Resp: 156881
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.0
 88 16.7 0.0 33.0



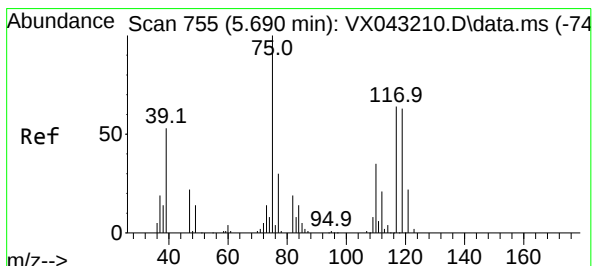
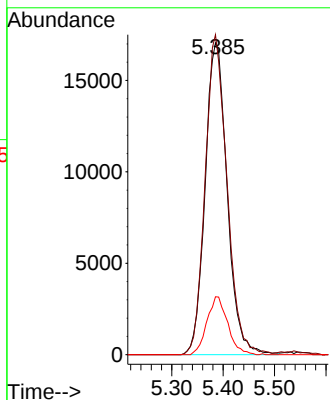
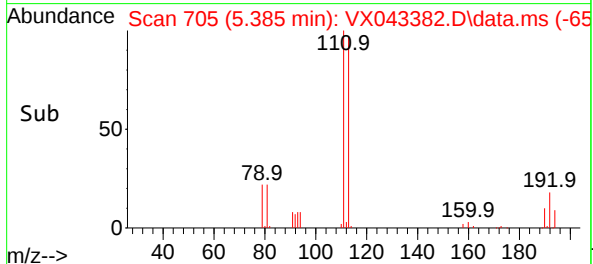


#35
Dibromofluoromethane
Concen: 46.958 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043382.D
Acq: 14 Oct 2024 15:39

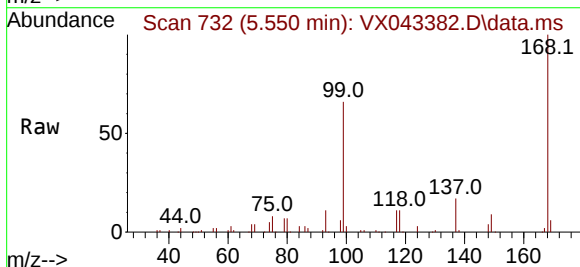
Instrument :
MSVOA_X
ClientSampleId :



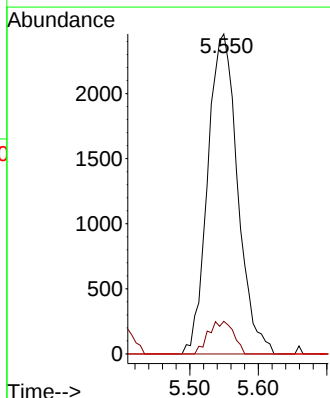
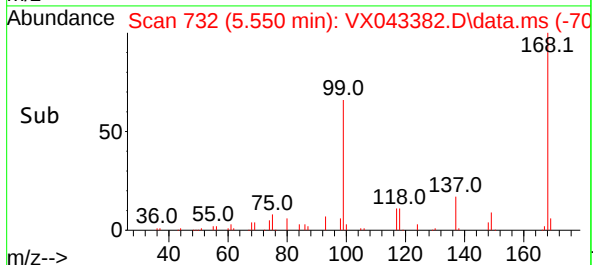
Tgt Ion:113 Resp: 50805
Ion Ratio Lower Upper
113 100
111 101.8 83.4 125.0
192 17.5 14.1 21.1

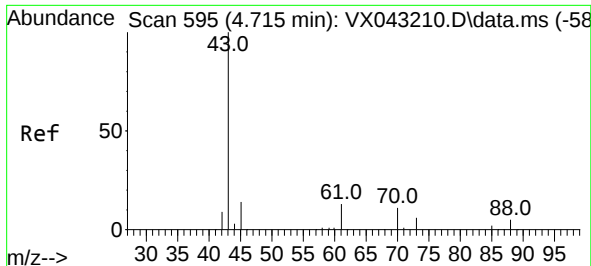


#36
1,1-Dichloropropene
Concen: 5.457 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX043382.D
Acq: 14 Oct 2024 15:39



Tgt Ion: 75 Resp: 7458
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.3#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 17.642 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.140 min

Lab File: VX043382.D

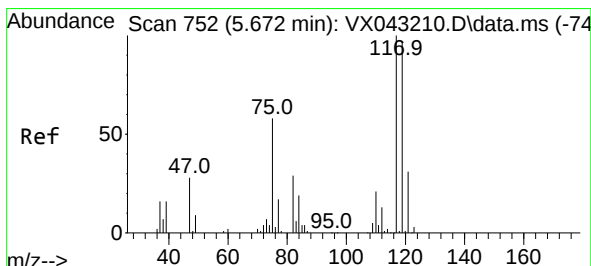
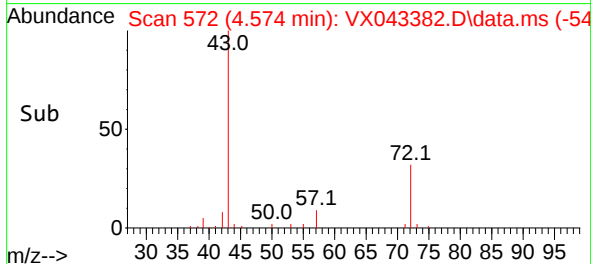
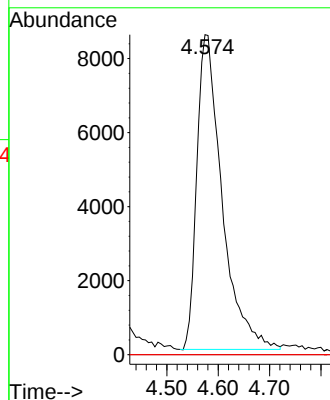
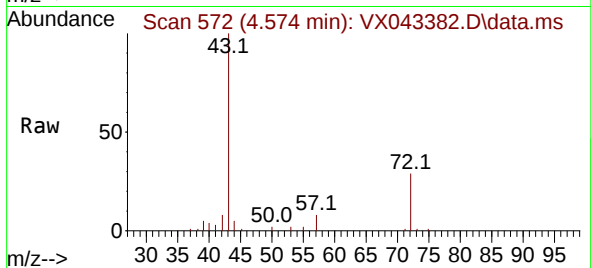
Acq: 14 Oct 2024 15:39

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	43	Resp:	28957
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	0.0	8.9	13.3#



#38

Carbon Tetrachloride

Concen: 6.095 ug/l

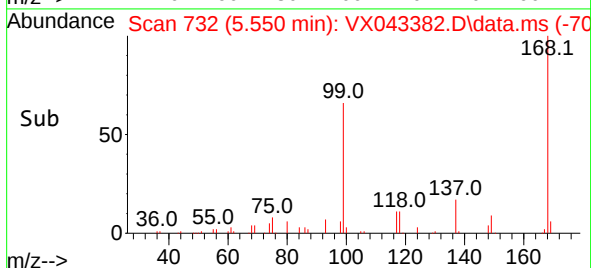
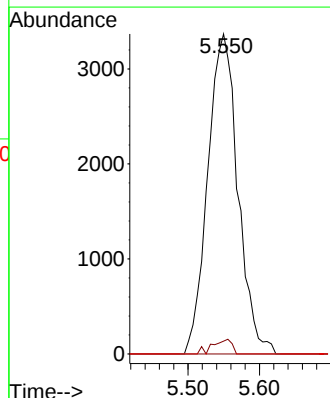
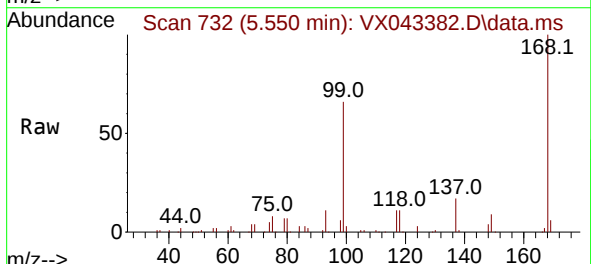
RT: 5.550 min Scan# 732

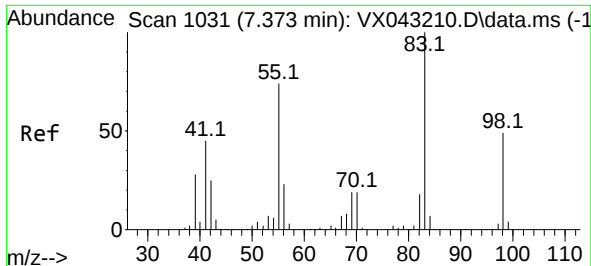
Delta R.T. -0.122 min

Lab File: VX043382.D

Acq: 14 Oct 2024 15:39

Tgt Ion:	117	Resp:	9862
Ion	Ratio	Lower	Upper
117	100		
119	4.0	77.7	116.5#
121	0.0	24.3	36.5#





#39

Methylcyclohexane

Concen: 0.297 ug/l

RT: 7.208 min Scan# 1004

Delta R.T. -0.165 min

Lab File: VX043382.D

Acq: 14 Oct 2024 15:39

Instrument :

MSVOA_X

ClientSampleId :

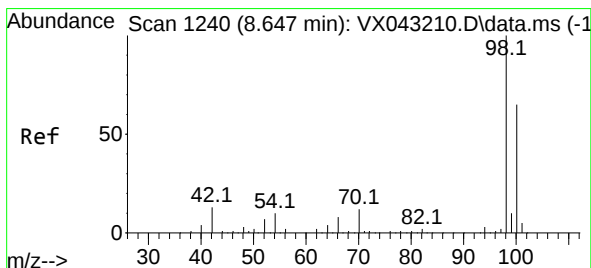
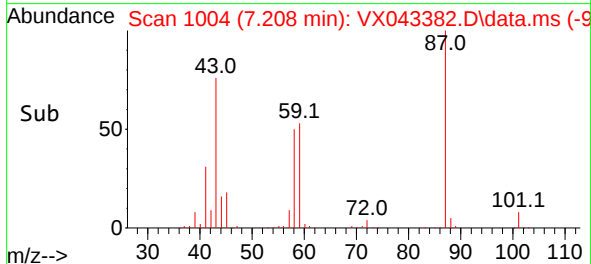
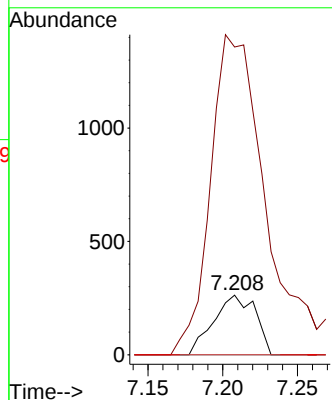
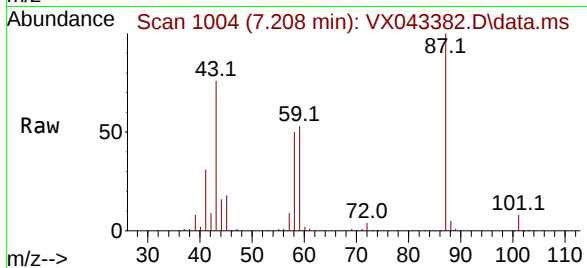
Tgt Ion: 83 Resp: 511

Ion Ratio Lower Upper

83 100

55 490.5 59.4 89.2#

98 0.0 39.3 58.9#



#50

Toluene-d8

Concen: 48.844 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX043382.D

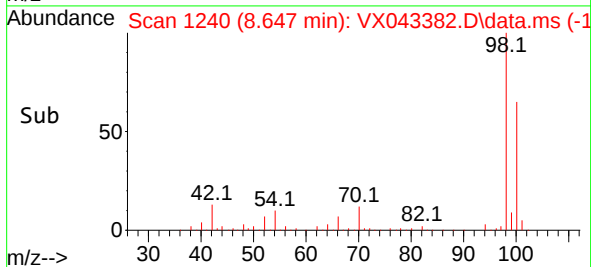
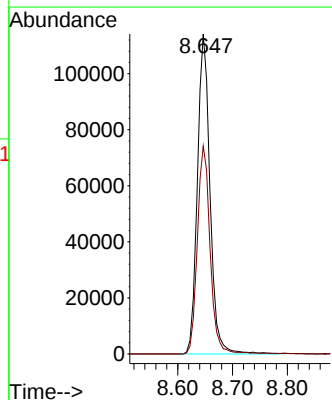
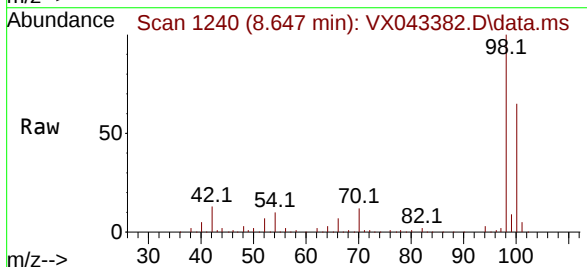
Acq: 14 Oct 2024 15:39

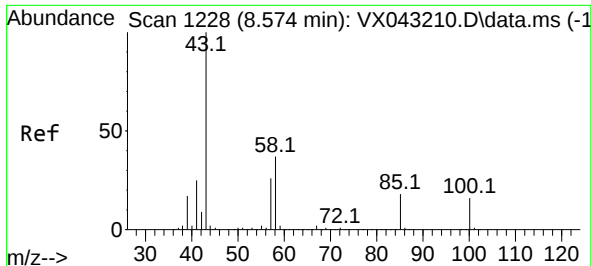
Tgt Ion: 98 Resp: 183131

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6

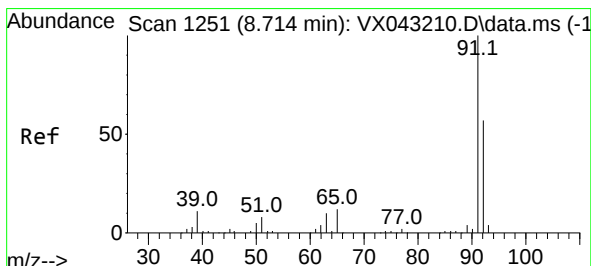
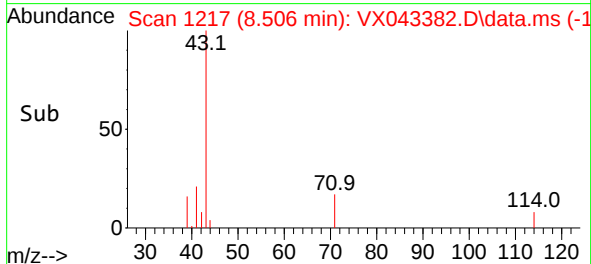
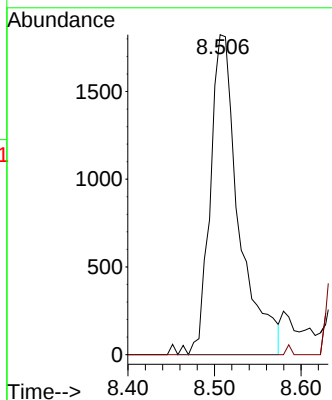
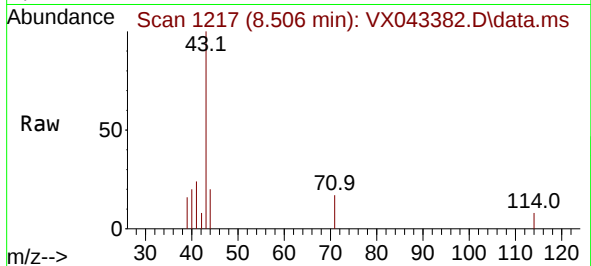




#51
4-Methyl-2-Pentanone
Concen: 2.552 ug/l
RT: 8.506 min Scan# 1217
Delta R.T. -0.067 min
Lab File: VX043382.D
Acq: 14 Oct 2024 15:39

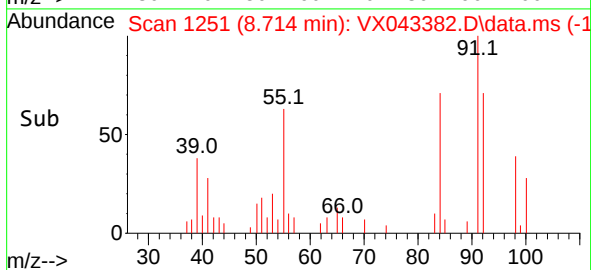
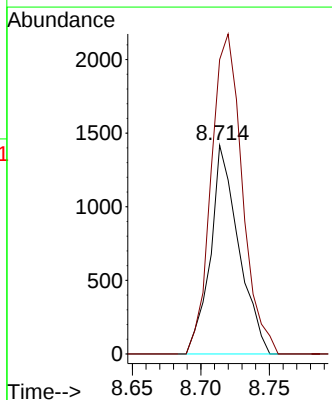
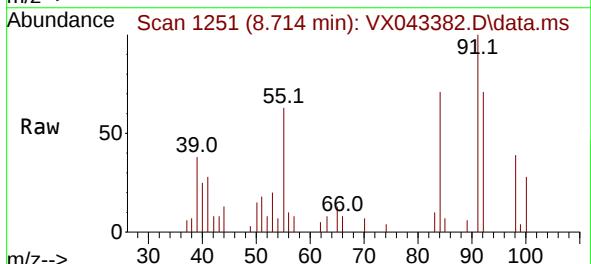
Instrument :
MSVOA_X
ClientSampleId :

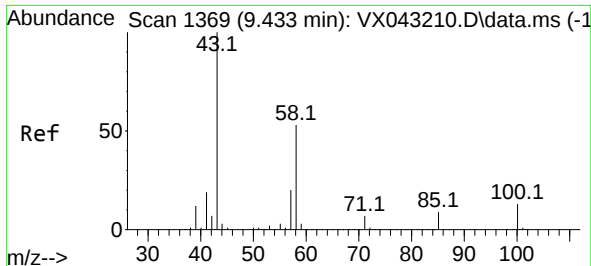
Tgt Ion: 43 Resp: 4202
Ion Ratio Lower Upper
43 100
58 0.0 30.0 45.0#



#52
Toluene
Concen: 0.783 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043382.D
Acq: 14 Oct 2024 15:39

Tgt Ion: 92 Resp: 2033
Ion Ratio Lower Upper
92 100
91 168.7 137.0 205.4

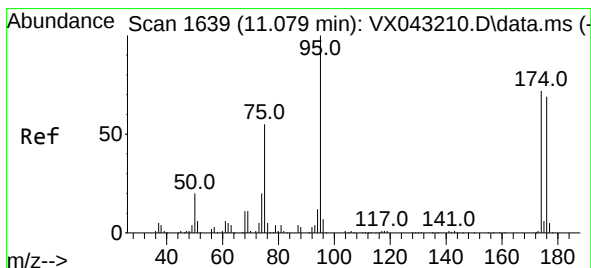
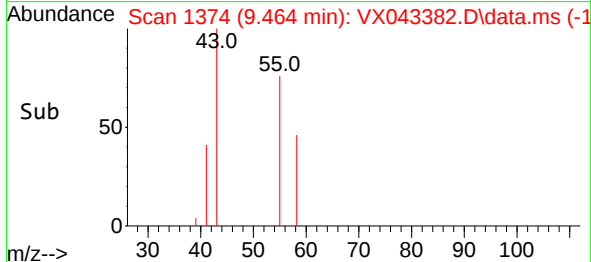
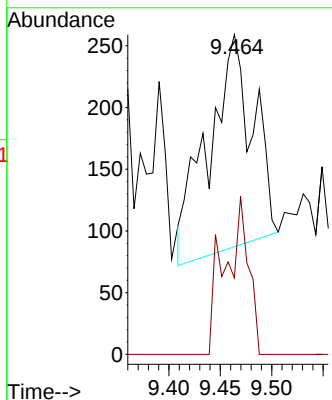
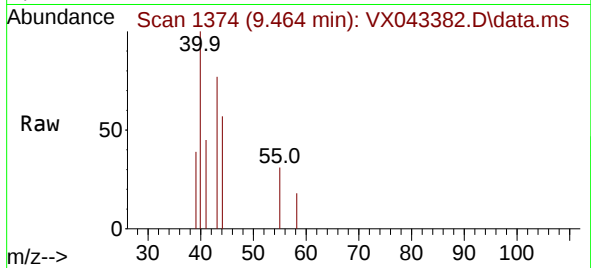




#59
2-Hexanone
Concen: 0.421 ug/l
RT: 9.464 min Scan# 11
Delta R.T. 0.030 min
Lab File: VX043382.D
Acq: 14 Oct 2024 15:39

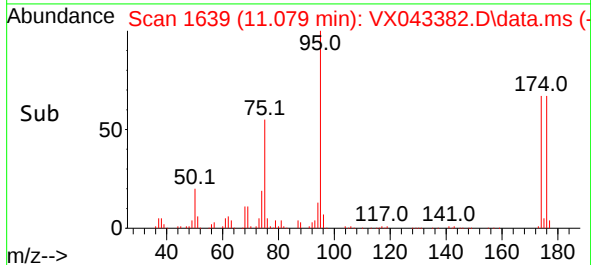
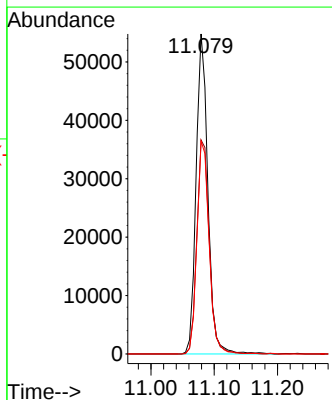
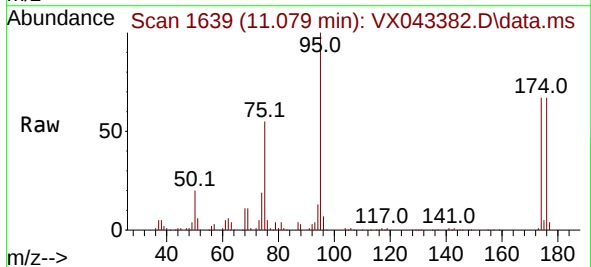
Instrument :
MSVOA_X
ClientSampleId :

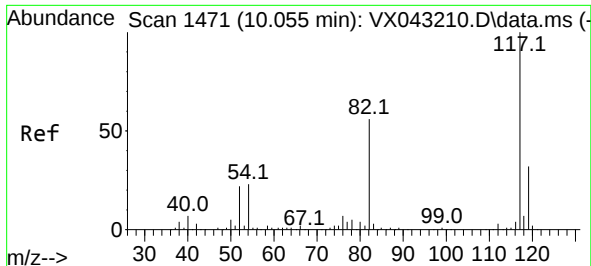
Tgt Ion: 43 Resp: 524
Ion Ratio Lower Upper
43 100
58 39.1 26.1 78.3



#62
4-Bromofluorobenzene
Concen: 52.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043382.D
Acq: 14 Oct 2024 15:39

Tgt Ion: 95 Resp: 71118
Ion Ratio Lower Upper
95 100
174 70.4 0.0 145.0
176 68.8 0.0 143.0

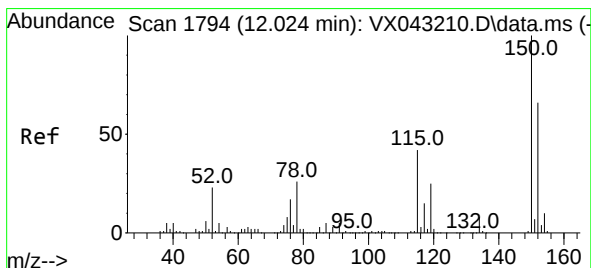
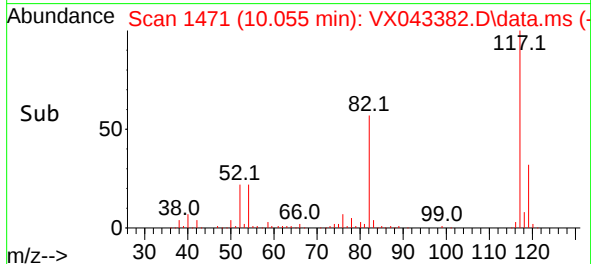
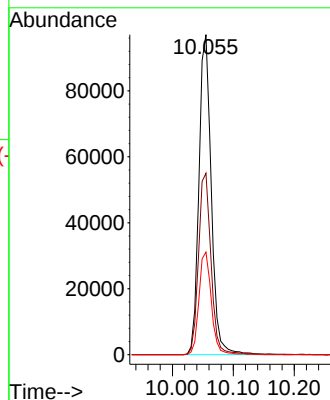
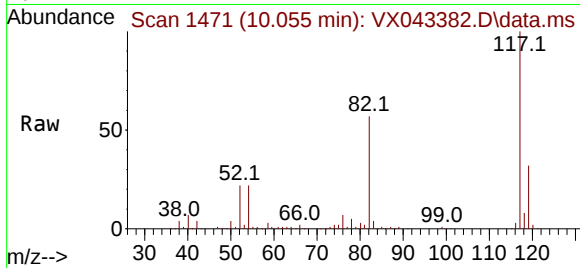




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043382.D
Acq: 14 Oct 2024 15:39

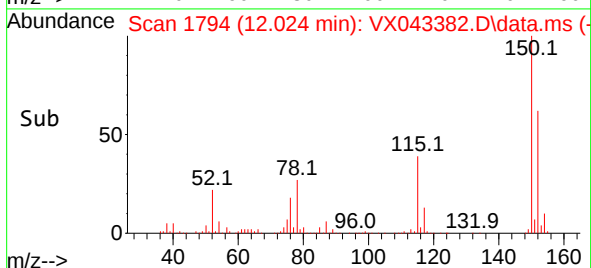
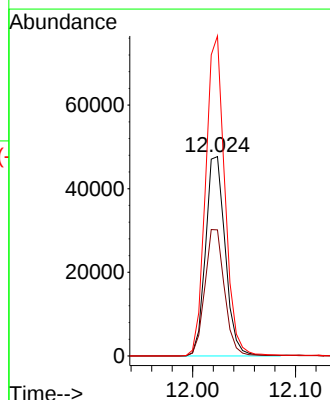
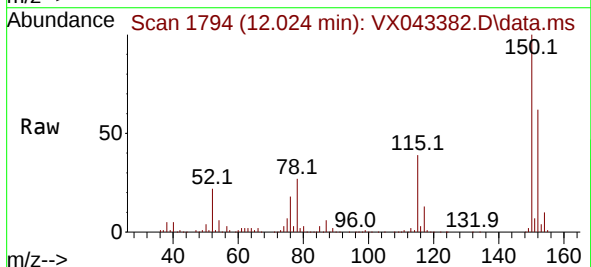
Instrument :
MSVOA_X
ClientSampleId :

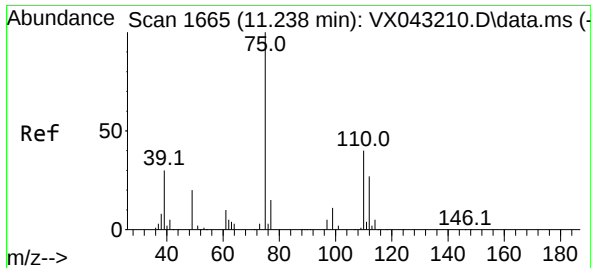
Tgt Ion:117 Resp: 136198
Ion Ratio Lower Upper
117 100
82 56.7 45.0 67.6
119 32.0 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043382.D
Acq: 14 Oct 2024 15:39

Tgt Ion:152 Resp: 63734
Ion Ratio Lower Upper
152 100
115 63.7 44.1 132.3
150 156.9 0.0 347.4

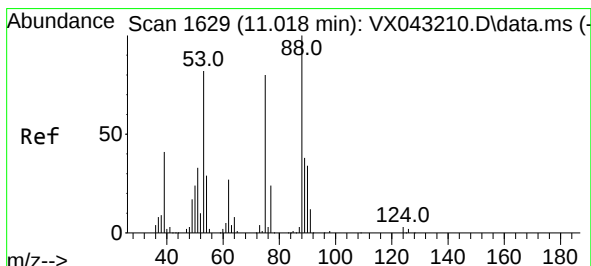
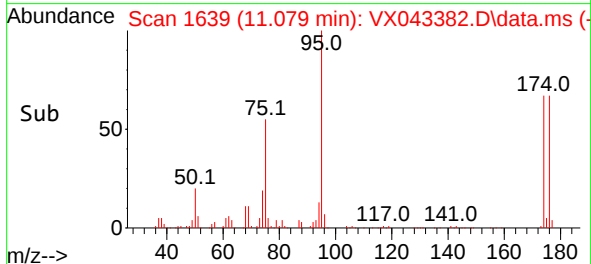
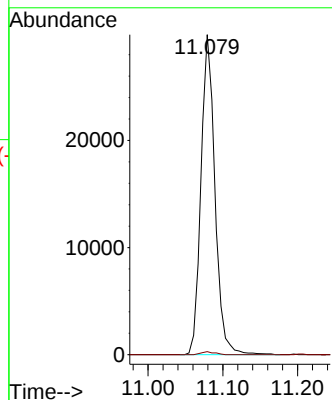
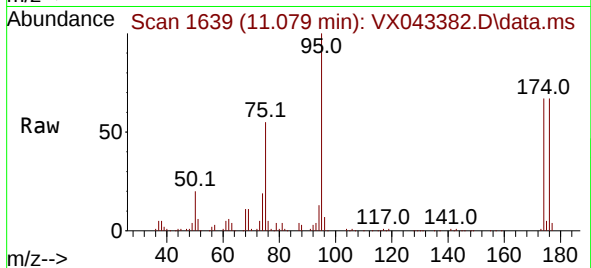




#76
1,2,3-Trichloropropane
Concen: 27.417 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043382.D
Acq: 14 Oct 2024 15:39

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 38759
Ion Ratio Lower Upper
75 100
77 0.9 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.055 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043382.D
Acq: 14 Oct 2024 15:39

Tgt Ion: 75 Resp: 38759
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

