

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100924\
 Data File : VX043338.D
 Acq On : 09 Oct 2024 14:45
 Operator : JC/MD
 Sample : PB163972ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 01:32:14 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

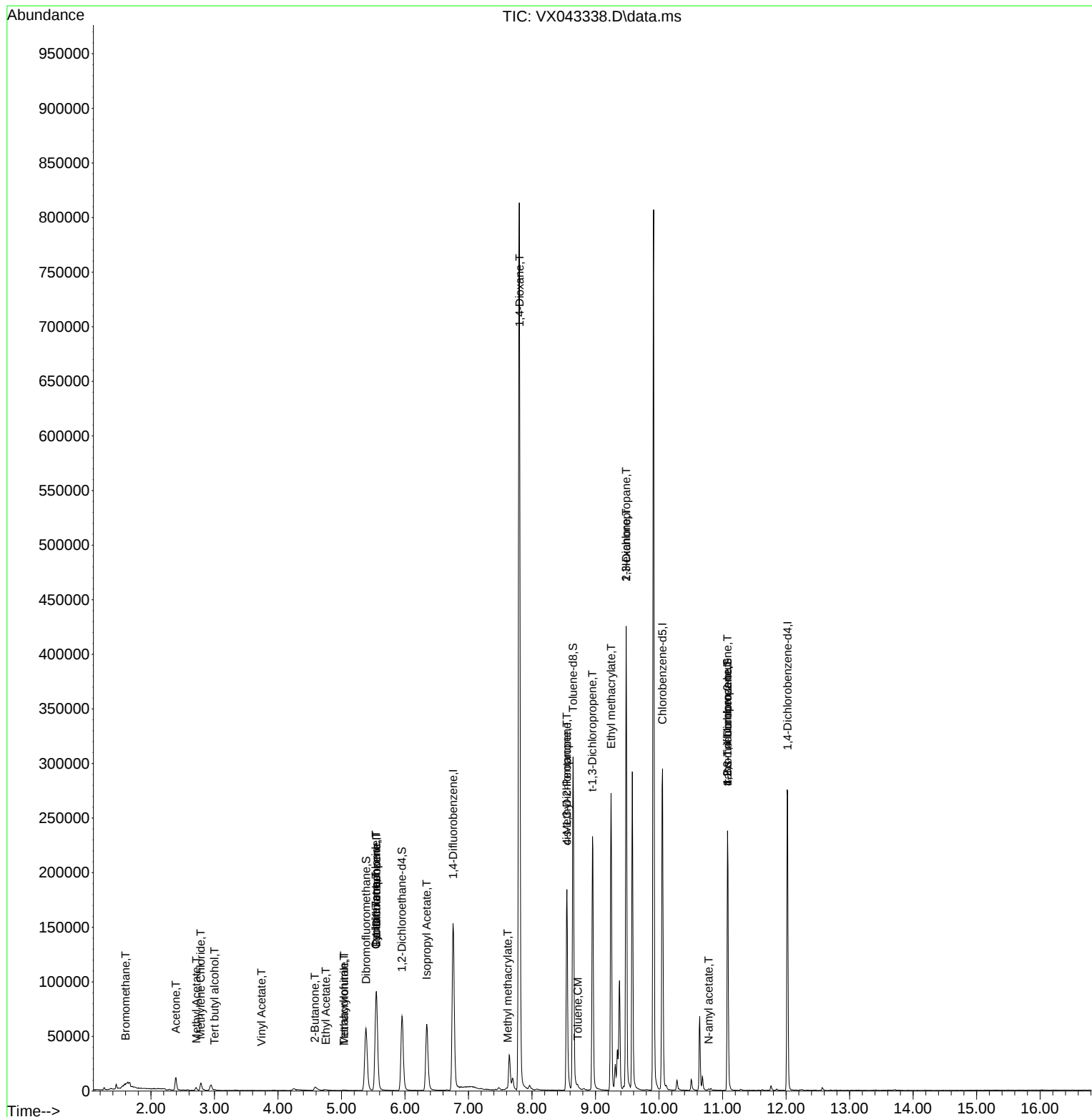
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	82329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153291	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	129225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70180	52.196	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.400%
35) Dibromofluoromethane	5.385	113	49348	46.680	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.360%
50) Toluene-d8	8.647	98	179235	48.924	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.840%
62) 4-Bromofluorobenzene	11.079	95	62585	47.023	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.040%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	86	0.213	ug/l #	2
11) Tert butyl alcohol	3.001	59	755	2.951	ug/l #	78
16) Acetone	2.392	43	14030	24.987	ug/l	94
18) Methyl Acetate	2.715	43	3387	2.405	ug/l	96
20) Methylene Chloride	2.782	84	3465	3.347	ug/l	93
23) Vinyl Acetate	3.739	43	19	6.344	ug/l #	71
25) 2-Butanone	4.580	43	5819	7.558	ug/l	92
29) Tetrahydrofuran	5.038	42	274	0.559	ug/l #	63
31) Cyclohexane	5.544	56	2143	1.477	ug/l #	25
36) 1,1-Dichloropropene	5.550	75	7090	5.309	ug/l #	49
37) Ethyl Acetate	4.751	43	1911	1.192	ug/l #	72
38) Carbon Tetrachloride	5.544	117	8969	5.673	ug/l #	17
41) Methacrylonitrile	5.044	41	277	0.332	ug/l #	36
43) Isopropyl Acetate	6.342	43	86800	32.767	ug/l	99
48) Methyl methacrylate	7.616	41	2569	1.976	ug/l #	13
49) 1,4-Dioxane	7.805	88	50	1.979	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	67166	41.747	ug/l #	50
52) Toluene	8.720	92	734	0.289	ug/l	95
53) t-1,3-Dichloropropene	8.952	75	476	0.306	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28992	17.377	ug/l #	59
56) Ethyl methacrylate	9.244	69	505	0.306	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3615	2.104	ug/l #	43
59) 2-Hexanone	9.482	43	54856	45.087	ug/l #	51
74) N-amyl acetate	10.781	43	712	0.345	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	35104	28.282	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	35104	73.296	ug/l #	8

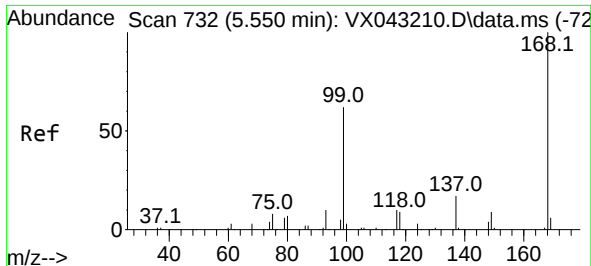
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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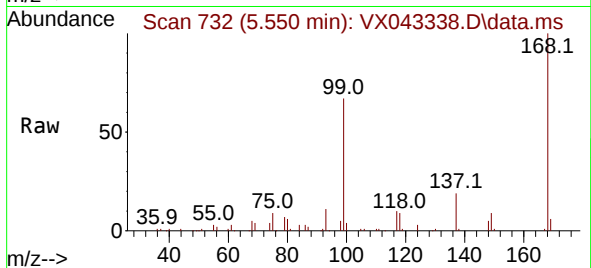


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043338.D
Acq: 09 Oct 2024 14:45

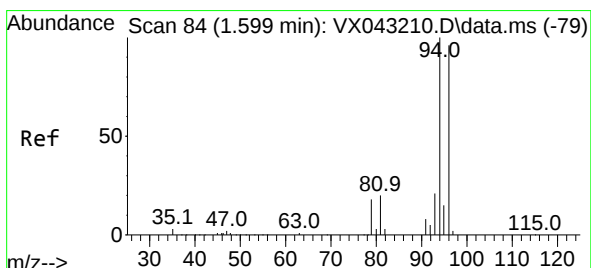
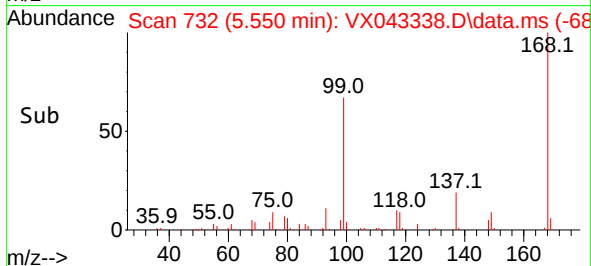
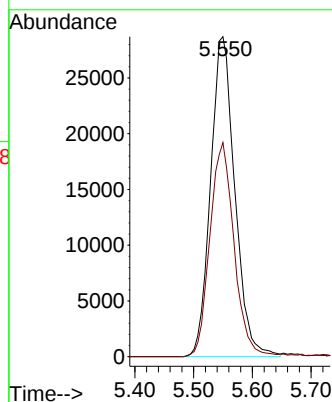
Instrument :

MSVOA_X

ClientSampleId :

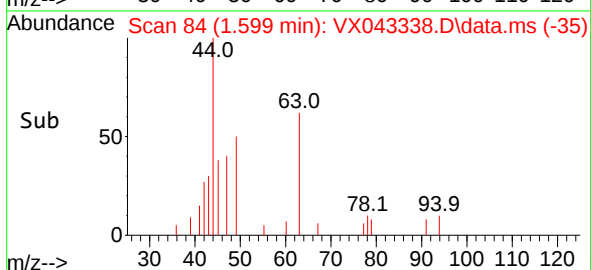
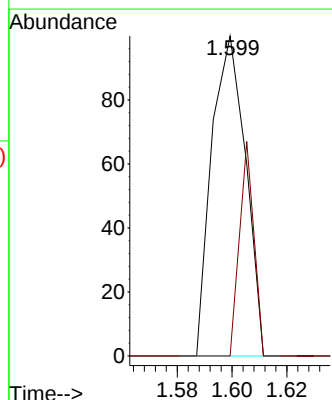
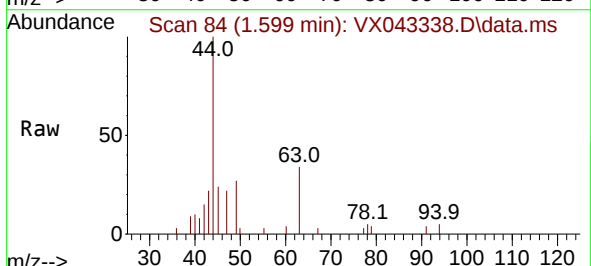


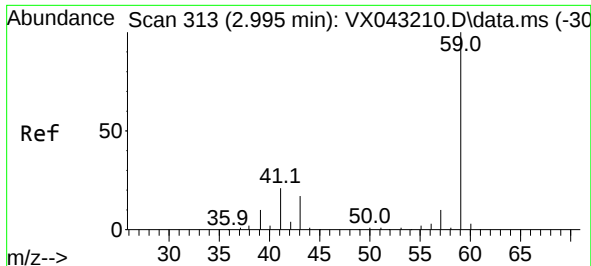
Tgt Ion:168 Resp: 82329
Ion Ratio Lower Upper
168 100
99 66.9 49.7 74.5



#5
Bromomethane
Concen: 0.213 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX043338.D
Acq: 09 Oct 2024 14:45

Tgt Ion: 94 Resp: 86
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#

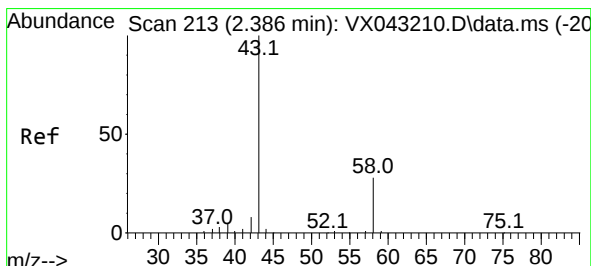
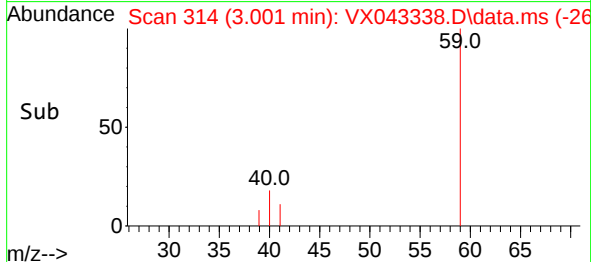
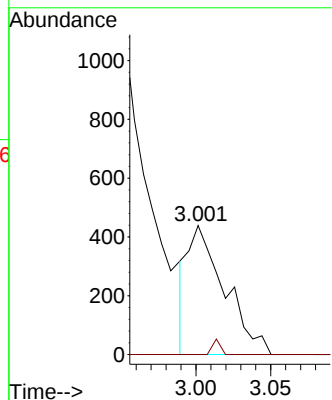
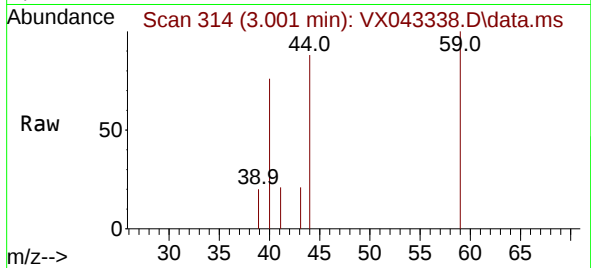




#11
Tert butyl alcohol
Concen: 2.951 ug/l
RT: 3.001 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043338.D
Acq: 09 Oct 2024 14:45

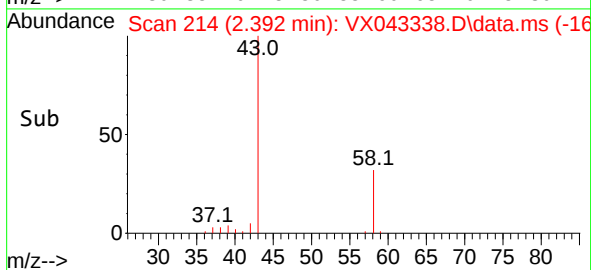
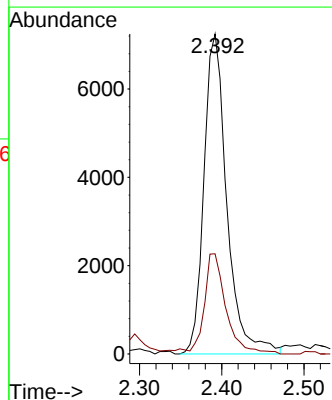
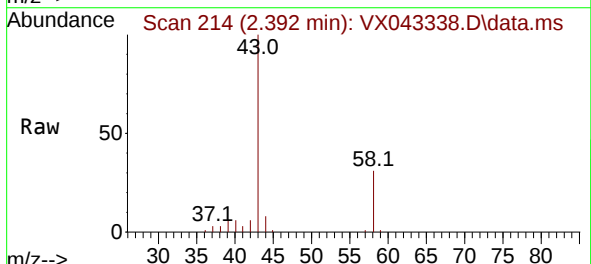
Instrument :
MSVOA_X
ClientSampleId :

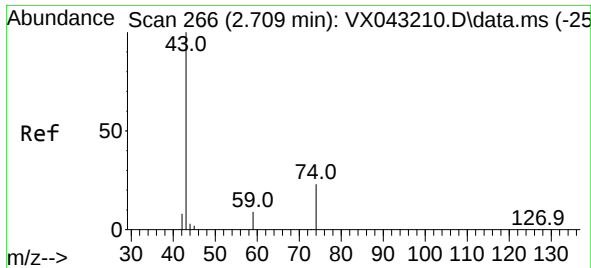
Tgt Ion: 59 Resp: 755
Ion Ratio Lower Upper
59 100
57 2.5 8.6 13.0#



#16
Acetone
Concen: 24.987 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX043338.D
Acq: 09 Oct 2024 14:45

Tgt Ion: 43 Resp: 14030
Ion Ratio Lower Upper
43 100
58 31.3 22.6 33.8

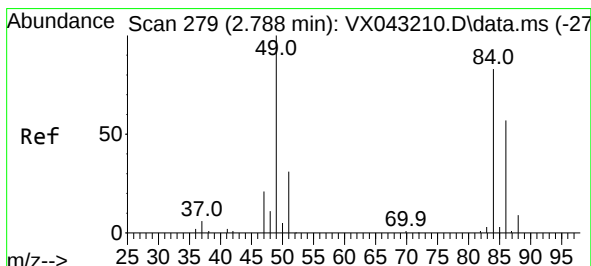
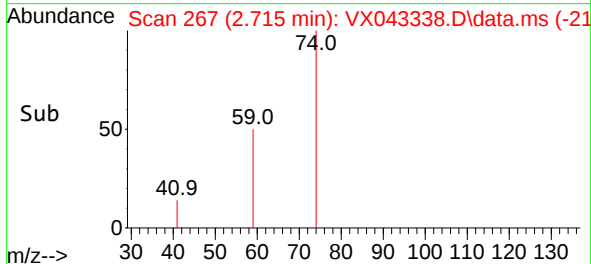
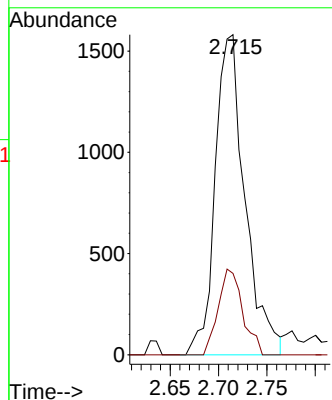
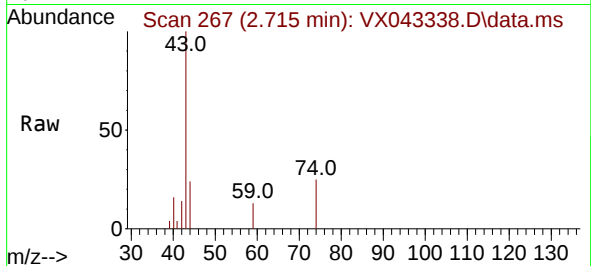




#18
Methyl Acetate
Concen: 2.405 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043338.D
Acq: 09 Oct 2024 14:45

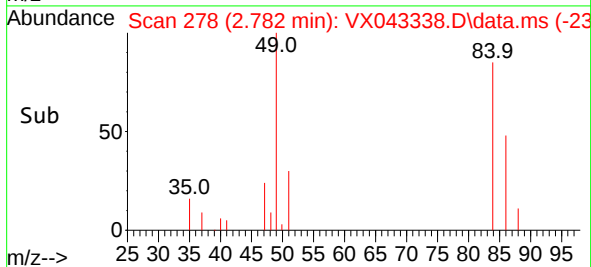
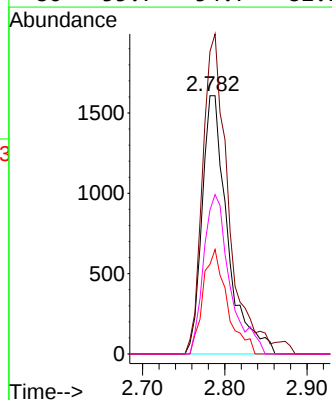
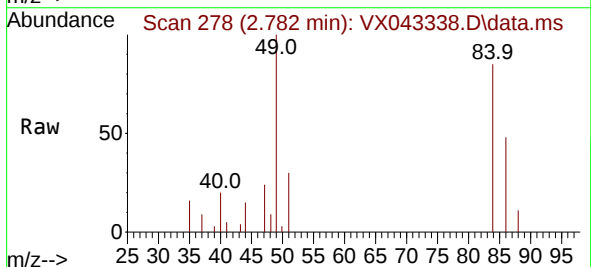
Instrument :
MSVOA_X
ClientSampleId :

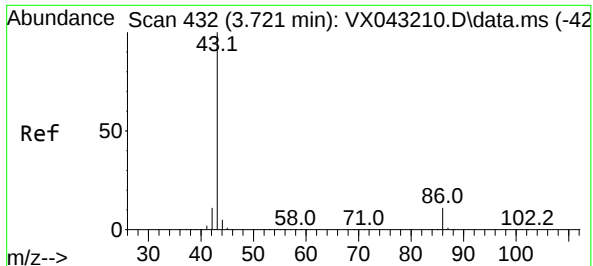
Tgt Ion: 43 Resp: 3387
Ion Ratio Lower Upper
43 100
74 21.9 19.1 28.7



#20
Methylene Chloride
Concen: 3.347 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX043338.D
Acq: 09 Oct 2024 14:45

Tgt Ion: 84 Resp: 3465
Ion Ratio Lower Upper
84 100
49 117.0 96.7 145.1
51 34.7 30.4 45.6
86 55.7 54.7 82.1

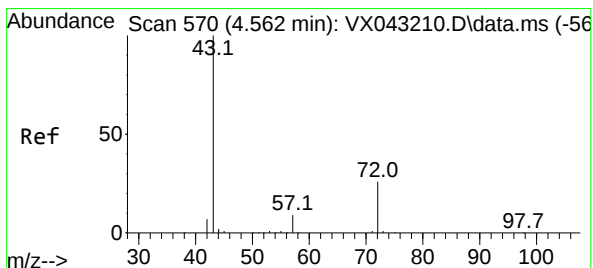
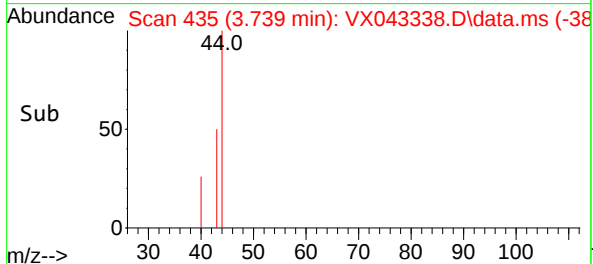
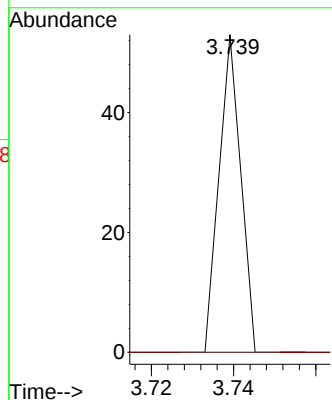
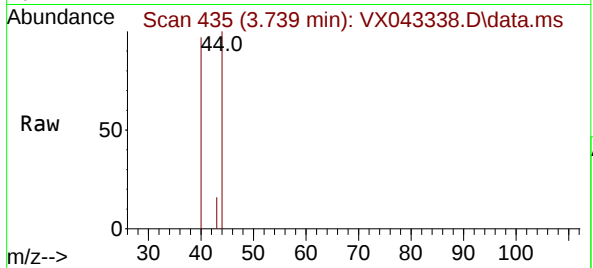




#23
 Vinyl Acetate
 Concen: 6.344 ug/l
 RT: 3.739 min Scan# 41
 Delta R.T. 0.018 min
 Lab File: VX043338.D
 Acq: 09 Oct 2024 14:45

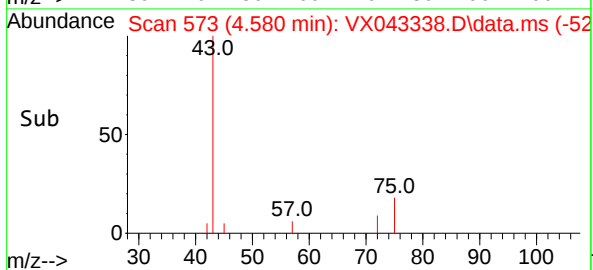
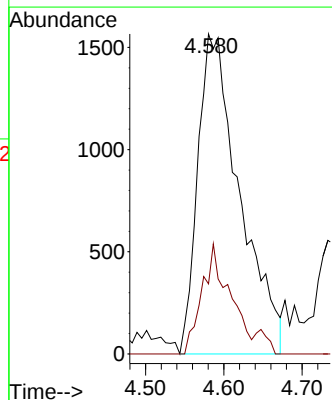
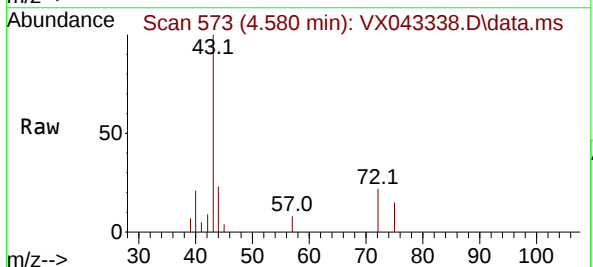
Instrument :
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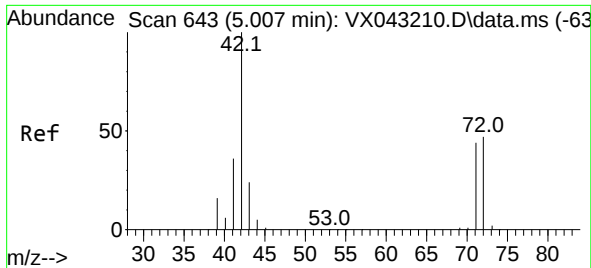
Tgt Ion: 43 Resp: 19
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 7.558 ug/l
 RT: 4.580 min Scan# 573
 Delta R.T. 0.018 min
 Lab File: VX043338.D
 Acq: 09 Oct 2024 14:45

Tgt Ion: 43 Resp: 5819
 Ion Ratio Lower Upper
 43 100
 72 21.9 20.6 31.0





#29

Tetrahydrofuran

Concen: 0.559 ug/l

RT: 5.038 min Scan# 643

Delta R.T. 0.030 min

Lab File: VX043338.D

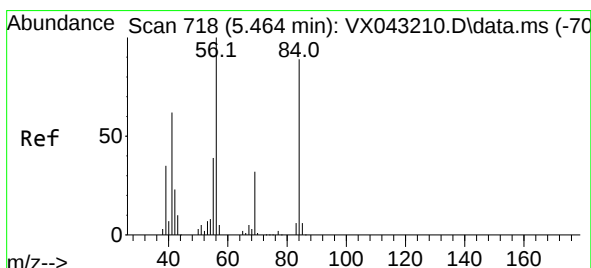
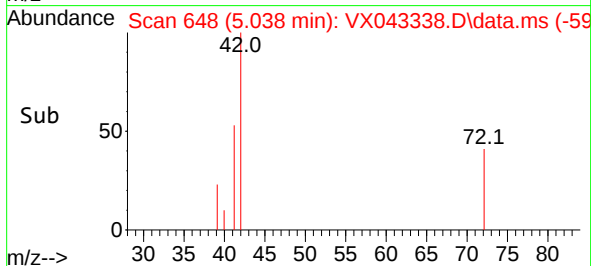
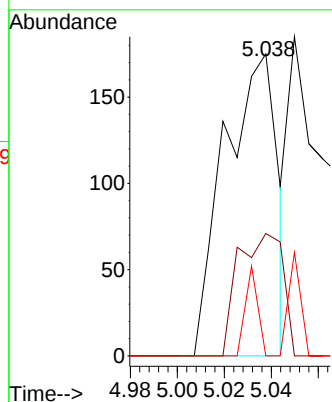
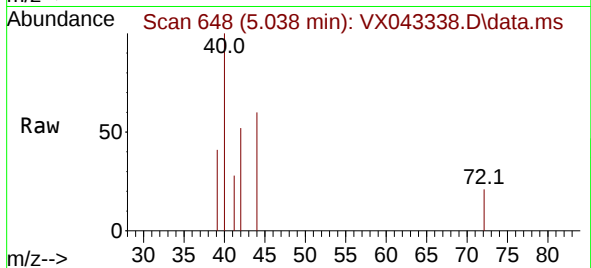
Acq: 09 Oct 2024 14:45

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	274
Ion	Ratio	Lower	Upper
42	100		
72	34.3	37.7	56.5#
71	6.9	34.6	52.0#



#31

Cyclohexane

Concen: 1.477 ug/l

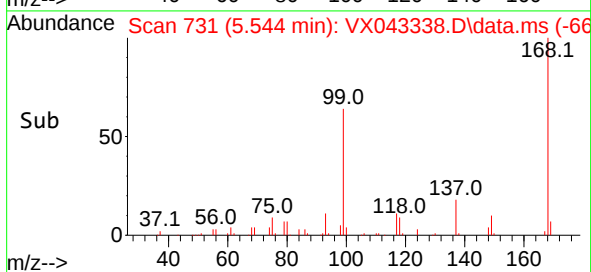
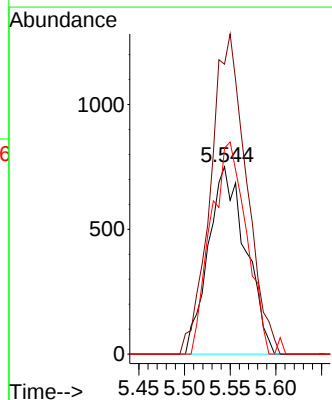
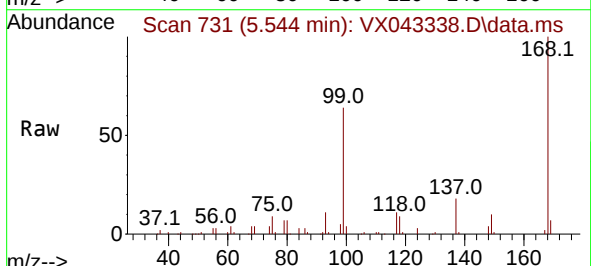
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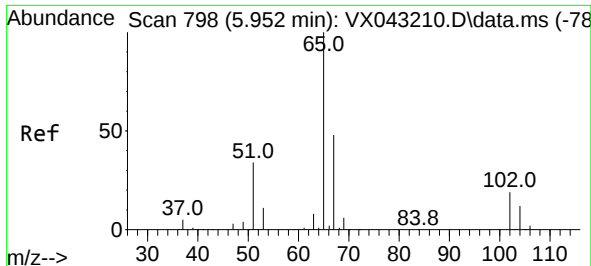
Delta R.T. 0.079 min

Lab File: VX043338.D

Acq: 09 Oct 2024 14:45

Tgt Ion:	56	Resp:	2143
Ion	Ratio	Lower	Upper
56	100		
69	154.7	25.8	38.6#
84	109.9	71.1	106.7#





#33

1,2-Dichloroethane-d4

Concen: 52.196 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043338.D

Acq: 09 Oct 2024 14:45

Instrument :

MSVOA_X

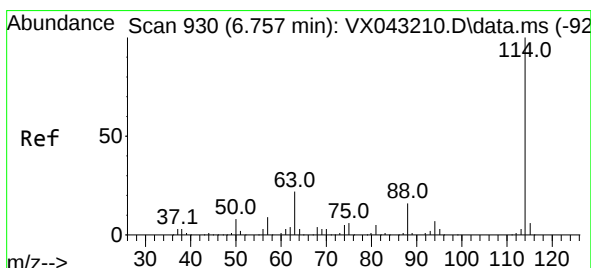
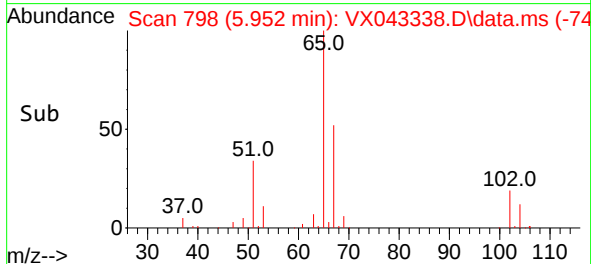
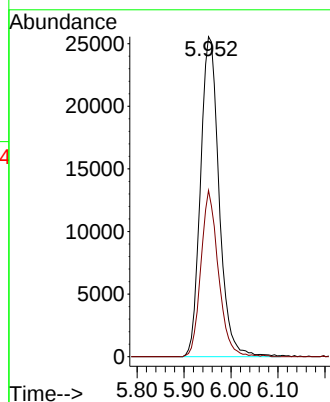
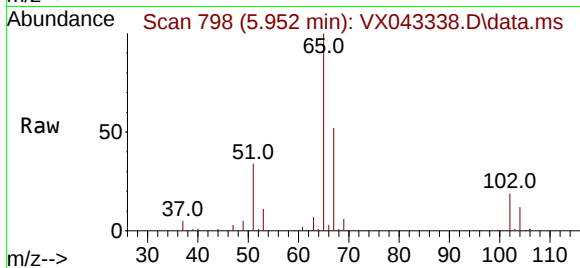
ClientSampleId :

Tgt Ion: 65 Resp: 70180

Ion Ratio Lower Upper

65 100

67 48.9 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: VX043338.D

Acq: 09 Oct 2024 14:45

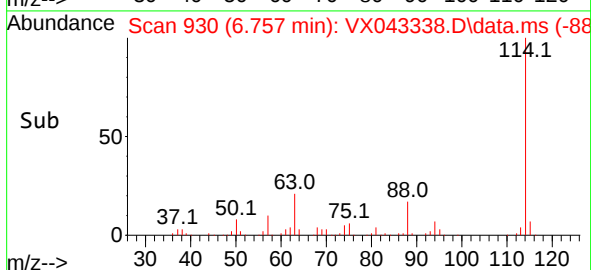
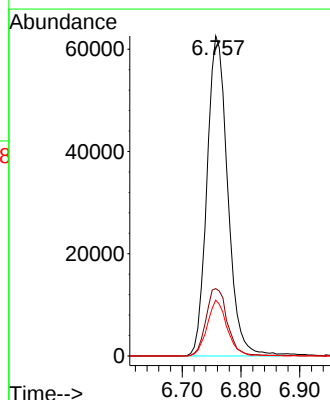
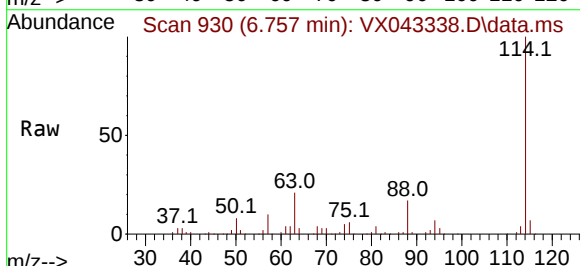
Tgt Ion: 114 Resp: 153291

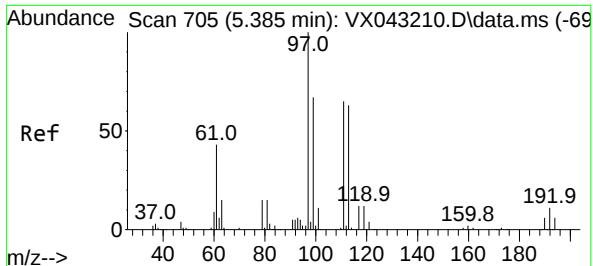
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.0

88 17.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 46.680 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

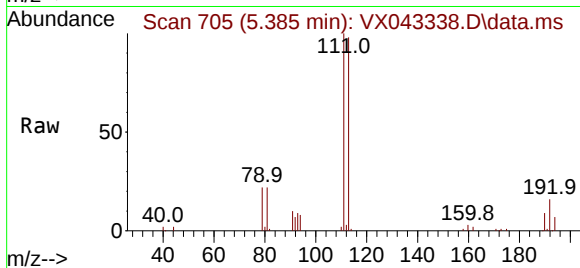
Lab File: VX043338.D

Acq: 09 Oct 2024 14:45

Instrument :

MSVOA_X

ClientSampleId :



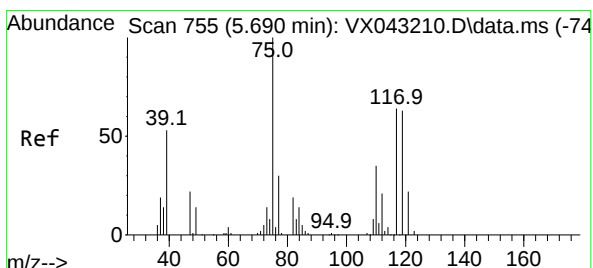
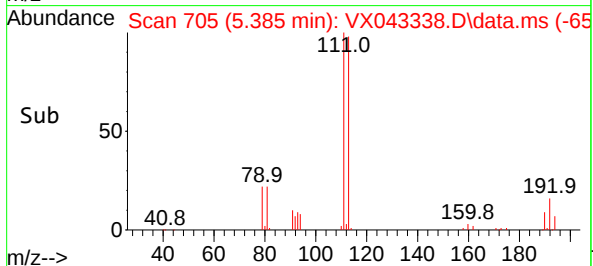
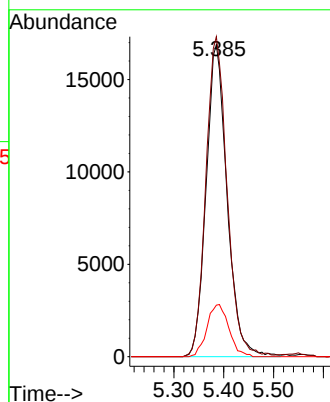
Tgt Ion:113 Resp: 49348

Ion Ratio Lower Upper

113 100

111 103.6 83.4 125.0

192 17.4 14.1 21.1



#36

1,1-Dichloropropene

Concen: 5.309 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX043338.D

Acq: 09 Oct 2024 14:45

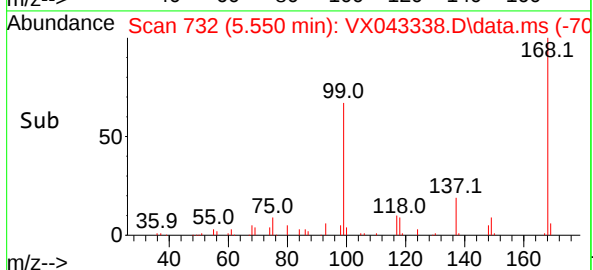
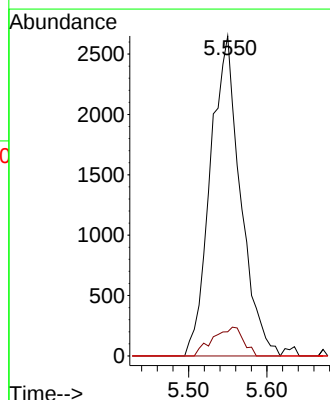
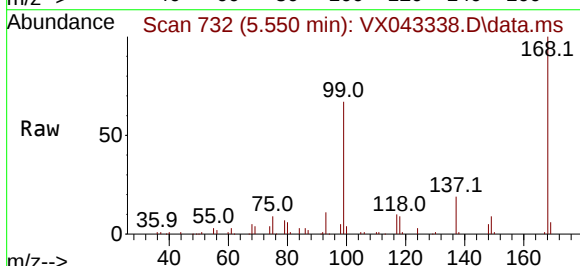
Tgt Ion: 75 Resp: 7090

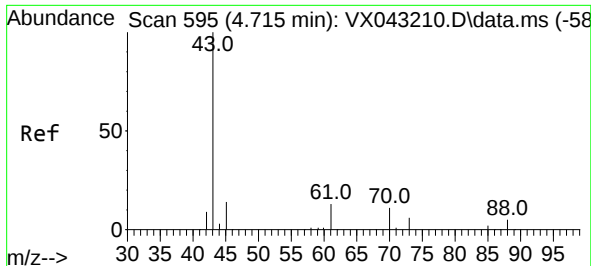
Ion Ratio Lower Upper

75 100

110 9.0 17.8 53.3#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.192 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.037 min

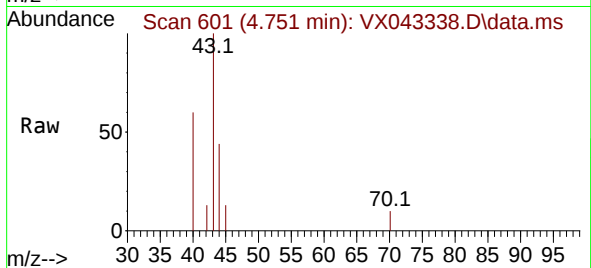
Lab File: VX043338.D

Acq: 09 Oct 2024 14:45

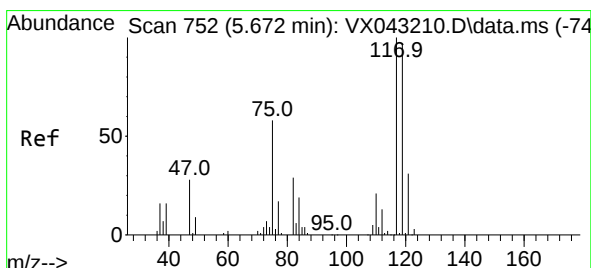
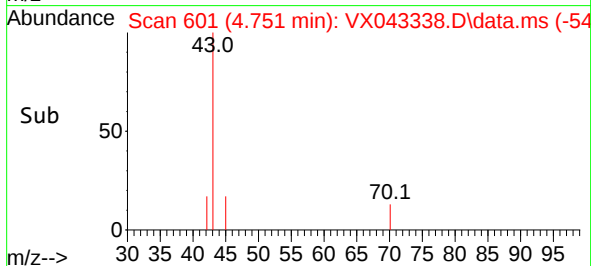
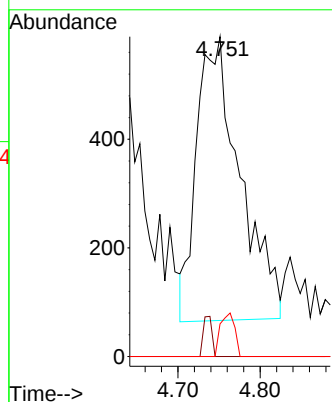
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	1911
Ion	Ratio	Lower	Upper
43	100		
61	2.8	11.0	16.4#
70	0.0	8.9	13.3#



#38

Carbon Tetrachloride

Concen: 5.673 ug/l

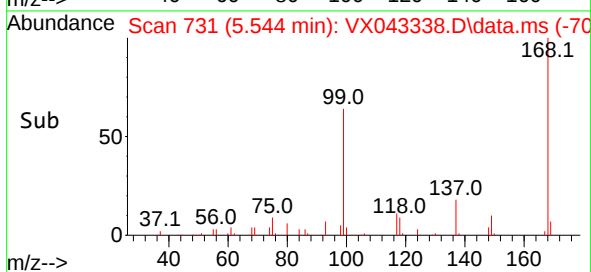
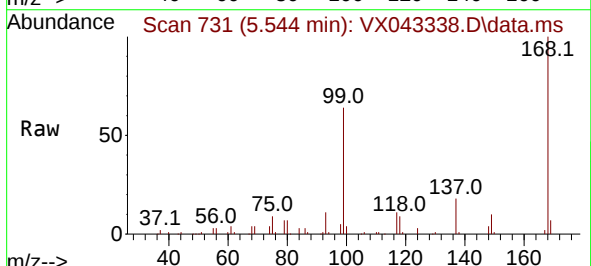
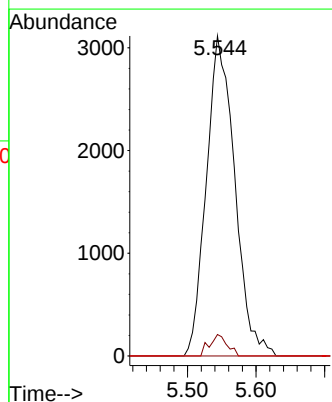
RT: 5.544 min Scan# 731

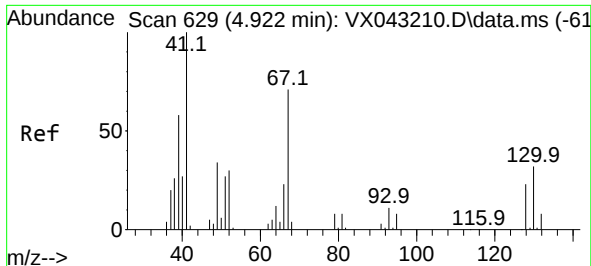
Delta R.T. -0.128 min

Lab File: VX043338.D

Acq: 09 Oct 2024 14:45

Tgt Ion:	117	Resp:	8969
Ion	Ratio	Lower	Upper
117	100		
119	6.7	77.7	116.5#
121	0.0	24.3	36.5#

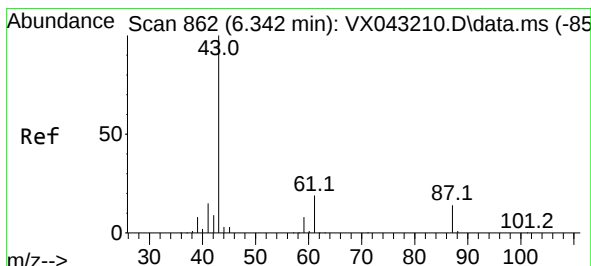
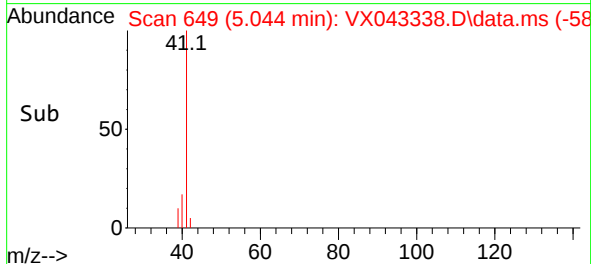
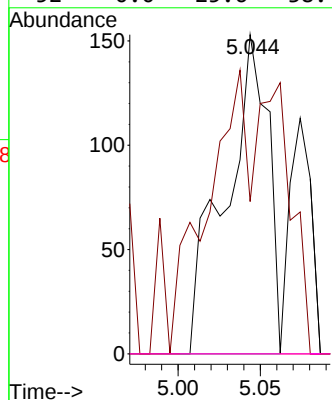
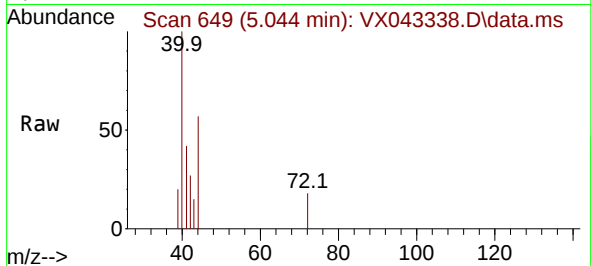




#41
Methacrylonitrile
Concen: 0.332 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX043338.D
Acq: 09 Oct 2024 14:45

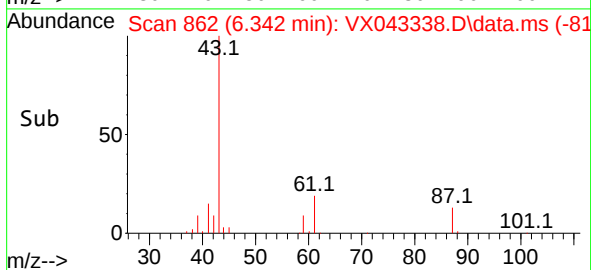
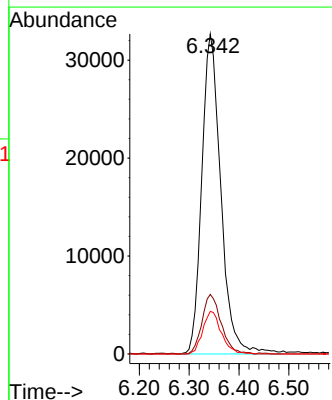
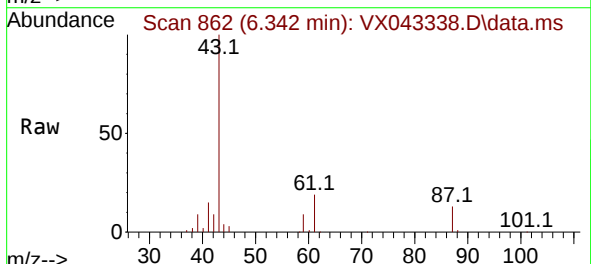
Instrument :
MSVOA_X
ClientSampleId :

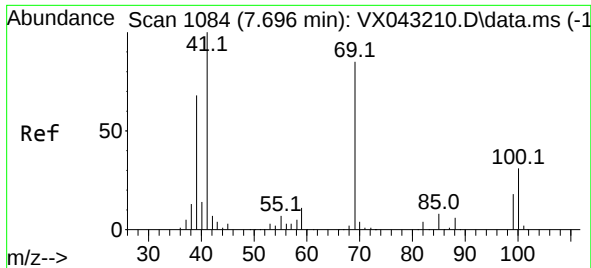
Tgt Ion: 41 Resp: 277
Ion Ratio Lower Upper
41 100
39 86.6 45.0 67.4#
67 0.0 56.0 84.0#
52 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 32.767 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX043338.D
Acq: 09 Oct 2024 14:45

Tgt Ion: 43 Resp: 86800
Ion Ratio Lower Upper
43 100
61 18.6 15.1 22.7
87 12.9 10.8 16.2

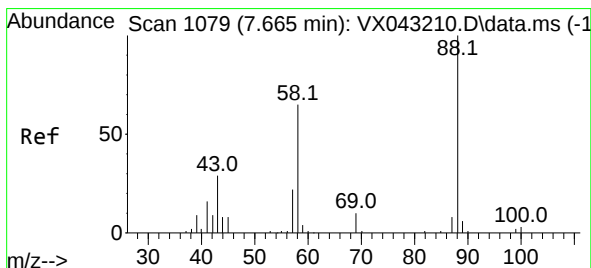
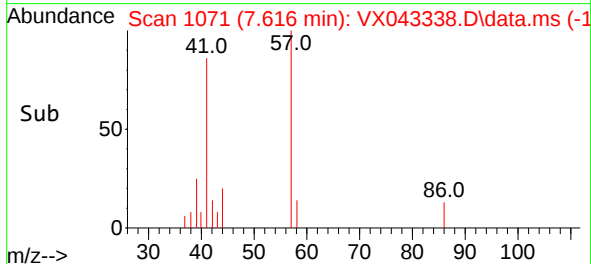
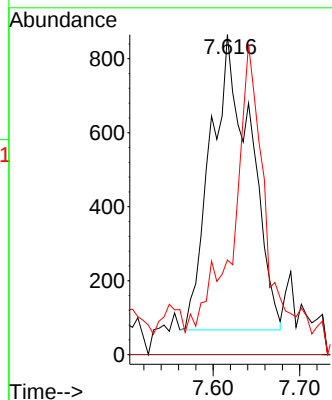
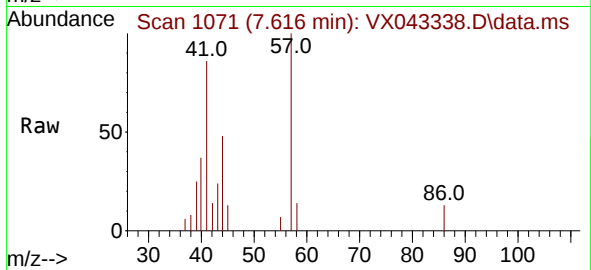




#48
Methyl methacrylate
Concen: 1.976 ug/l
RT: 7.616 min Scan# 1102
Delta R.T. -0.079 min
Lab File: VX043338.D
Acq: 09 Oct 2024 14:45

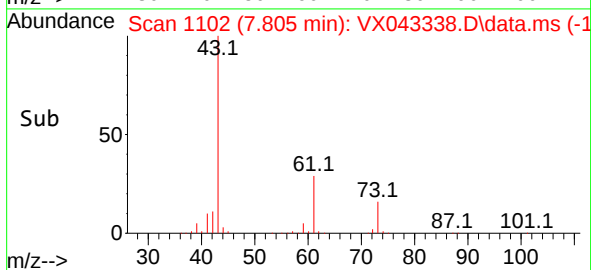
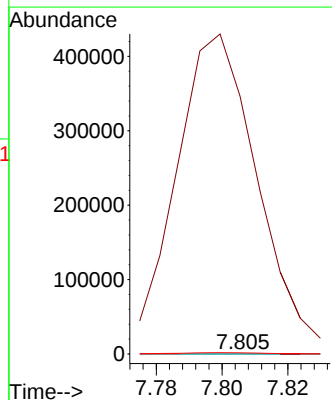
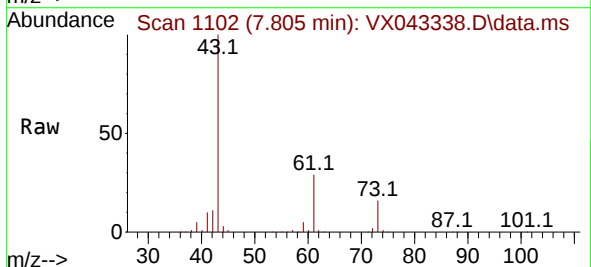
Instrument :
MSVOA_X
ClientSampleId :

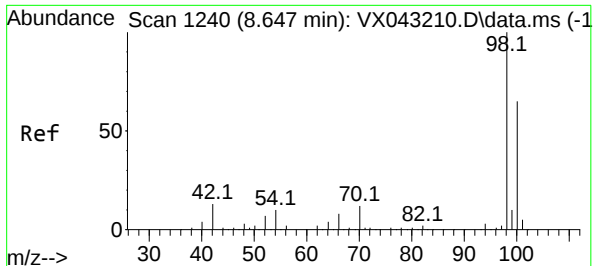
Tgt Ion: 41 Resp: 2569
Ion Ratio Lower Upper
41 100
69 0.0 64.1 96.1#
39 0.0 52.8 79.2#



#49
1,4-Dioxane
Concen: 1.979 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX043338.D
Acq: 09 Oct 2024 14:45

Tgt Ion: 88 Resp: 50
Ion Ratio Lower Upper
88 100
43 1519728.0 29.5 44.3#
58 6290.0 55.2 82.8#

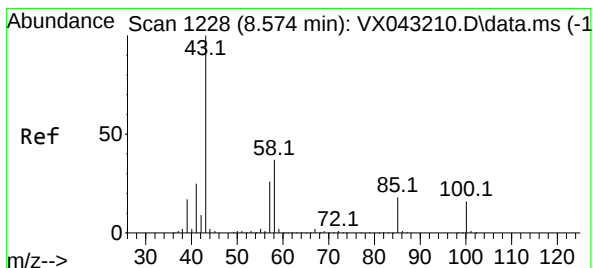
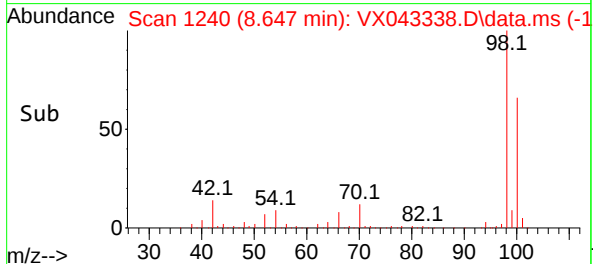
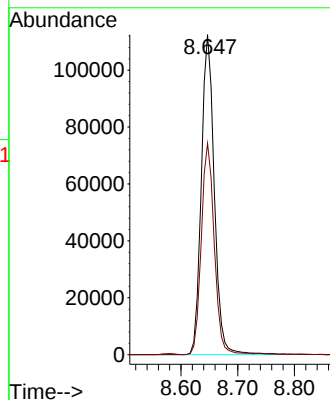
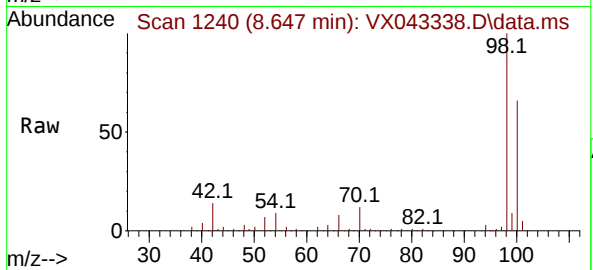




#50
Toluene-d8
Concen: 48.924 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043338.D
Acq: 09 Oct 2024 14:45

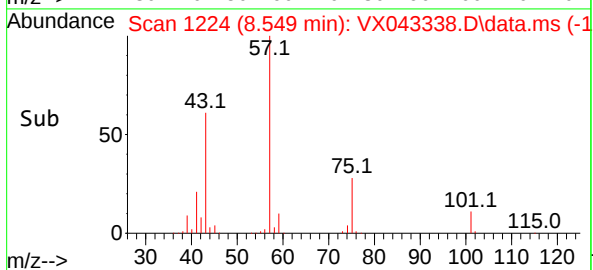
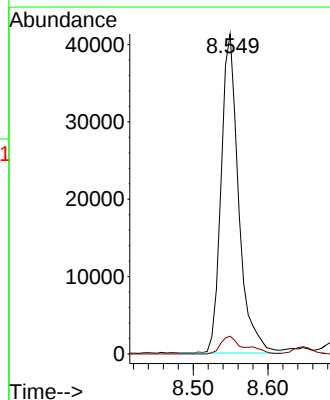
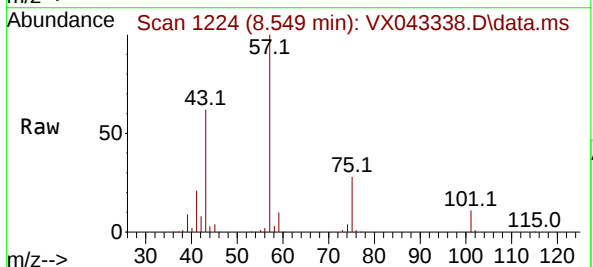
Instrument :
MSVOA_X
ClientSampleId :

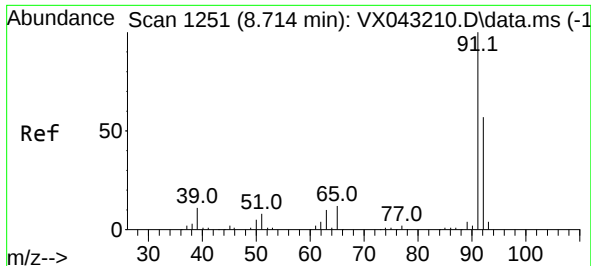
Tgt Ion: 98 Resp: 179235
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 41.747 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX043338.D
Acq: 09 Oct 2024 14:45

Tgt Ion: 43 Resp: 67166
Ion Ratio Lower Upper
43 100
58 7.4 30.0 45.0#





#52

Toluene

Concen: 0.289 ug/l

RT: 8.720 min Scan# 1251

Delta R.T. 0.006 min

Lab File: VX043338.D

Acq: 09 Oct 2024 14:45

Instrument :

MSVOA_X

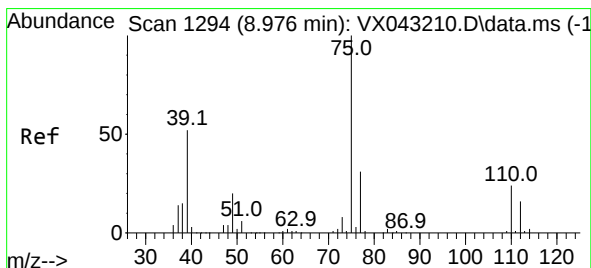
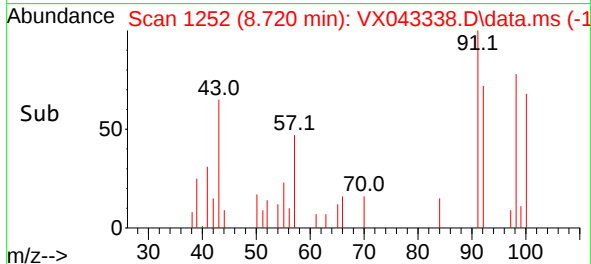
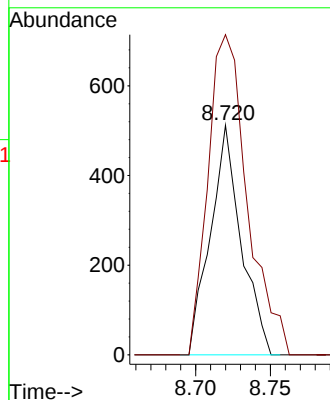
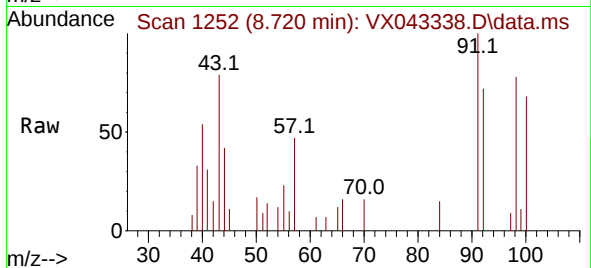
ClientSampleId :

Tgt Ion: 92 Resp: 734

Ion Ratio Lower Upper

92 100

91 178.2 137.0 205.4



#53

t-1,3-Dichloropropene

Concen: 0.306 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX043338.D

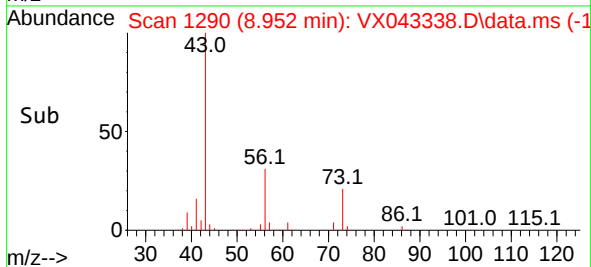
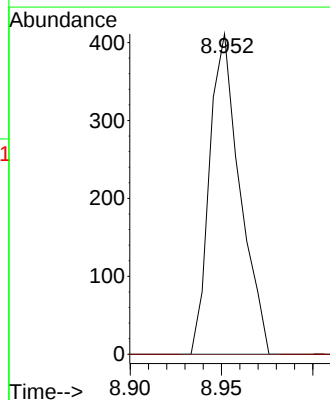
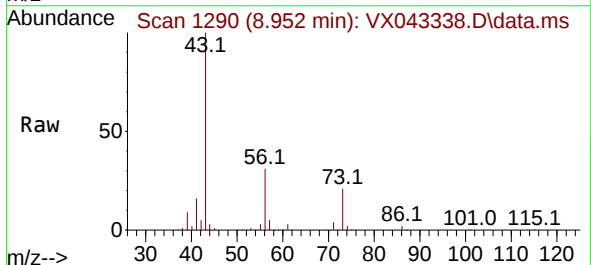
Acq: 09 Oct 2024 14:45

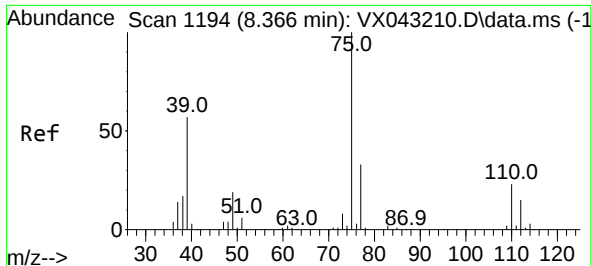
Tgt Ion: 75 Resp: 476

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

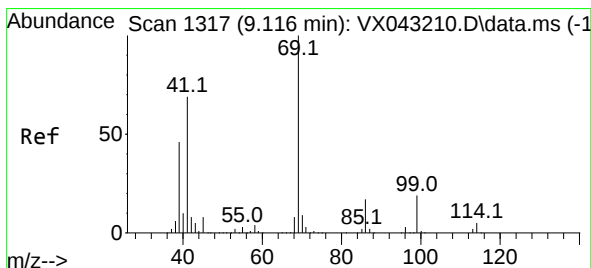
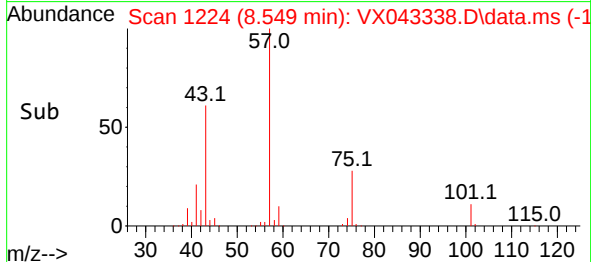
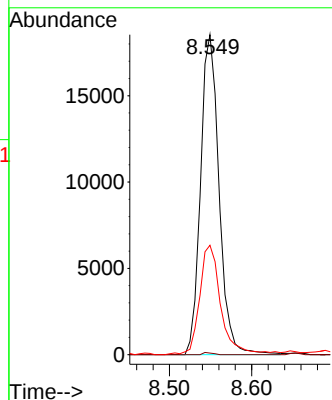
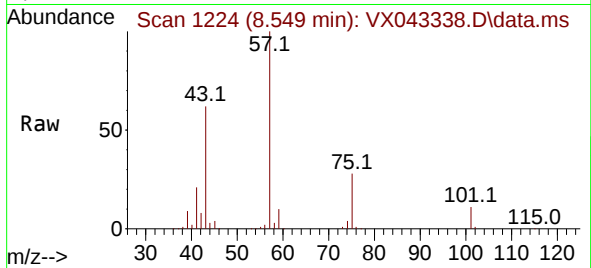




#54
 cis-1,3-Dichloropropene
 Concen: 17.377 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043338.D
 Acq: 09 Oct 2024 14:45

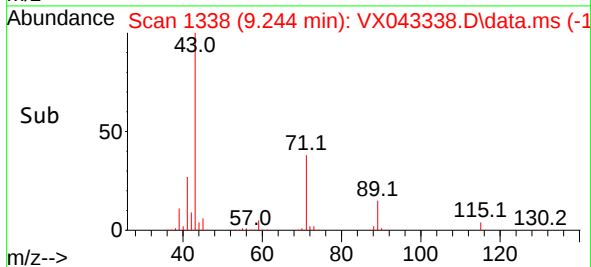
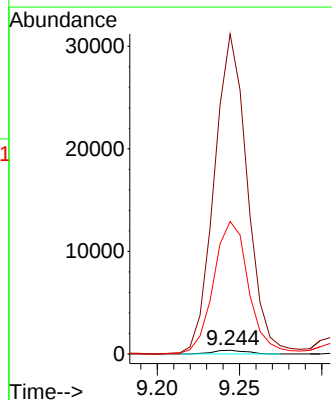
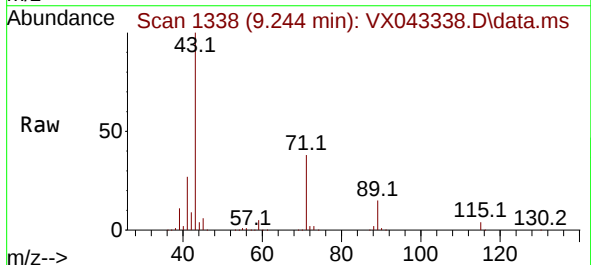
Instrument :
 MSVOA_X
 ClientSampleId :

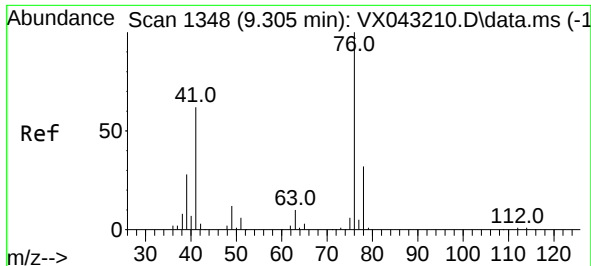
Tgt Ion: 75 Resp: 28992
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.0 39.0#
 39 33.9 45.8 68.8#



#56
 Ethyl methacrylate
 Concen: 0.306 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX043338.D
 Acq: 09 Oct 2024 14:45

Tgt Ion: 69 Resp: 505
 Ion Ratio Lower Upper
 69 100
 41 8681.4 56.1 84.1#
 39 3817.6 36.4 54.6#





#57

1,3-Dichloropropane

Concen: 2.104 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043338.D

Acq: 09 Oct 2024 14:45

Instrument :

MSVOA_X

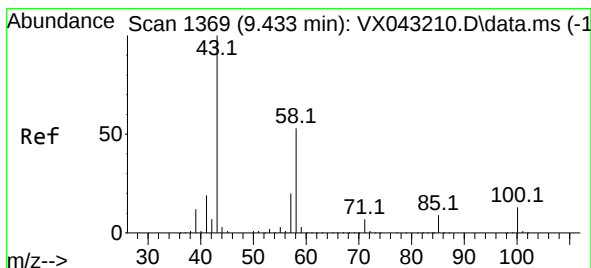
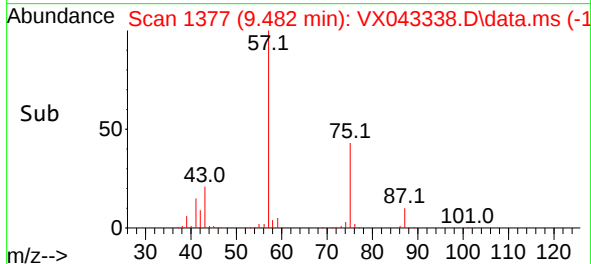
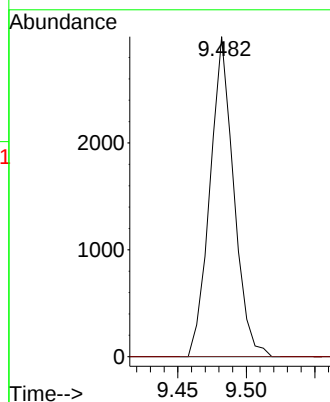
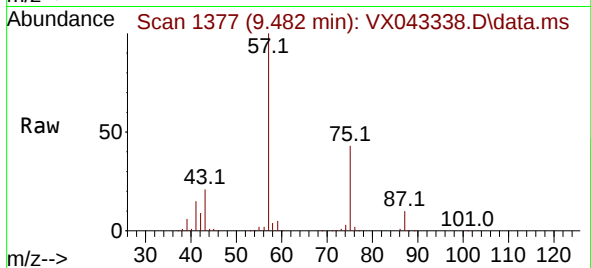
ClientSampleId :

Tgt Ion: 76 Resp: 3615

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 45.087 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043338.D

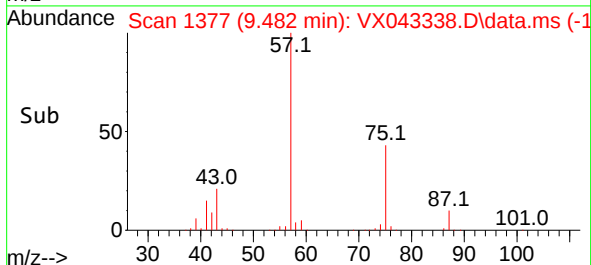
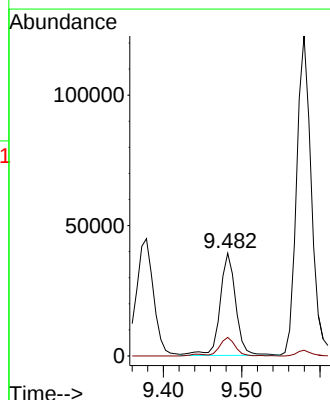
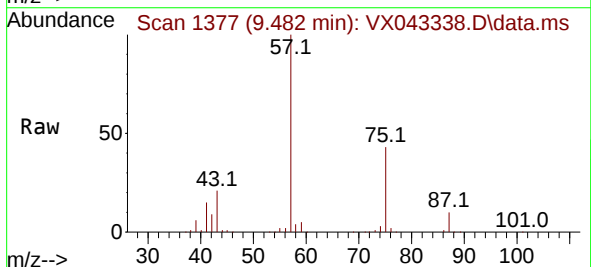
Acq: 09 Oct 2024 14:45

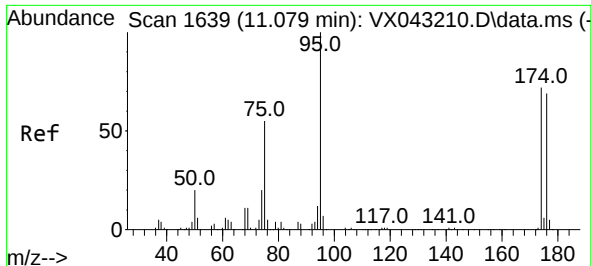
Tgt Ion: 43 Resp: 54856

Ion Ratio Lower Upper

43 100

58 17.9 26.1 78.3#





#62

4-Bromofluorobenzene

Concen: 47.023 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043338.D

Acq: 09 Oct 2024 14:45

Instrument :

MSVOA_X

ClientSampleId :

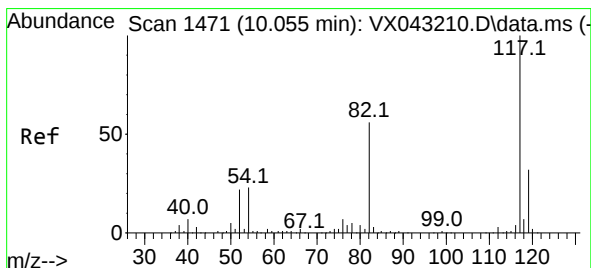
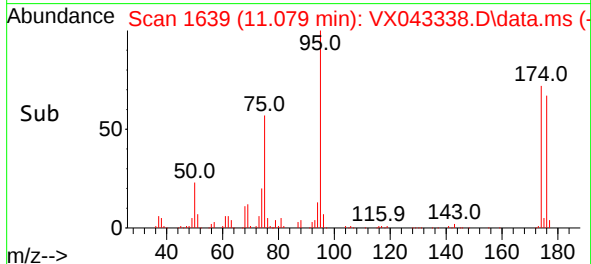
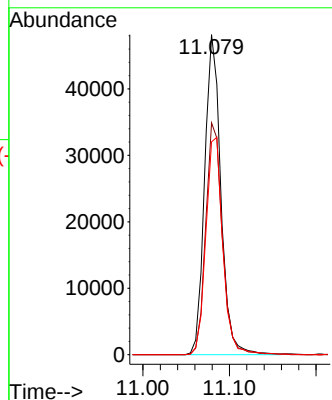
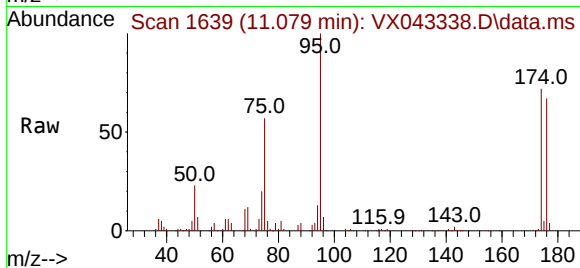
Tgt Ion: 95 Resp: 62585

Ion Ratio Lower Upper

95 100

174 74.6 0.0 145.0

176 71.2 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: VX043338.D

Acq: 09 Oct 2024 14:45

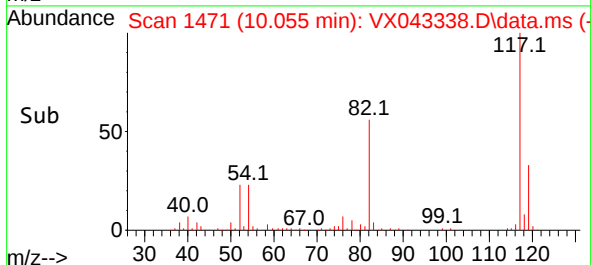
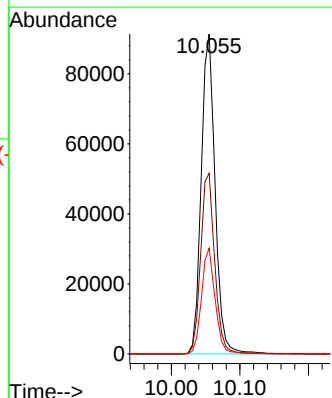
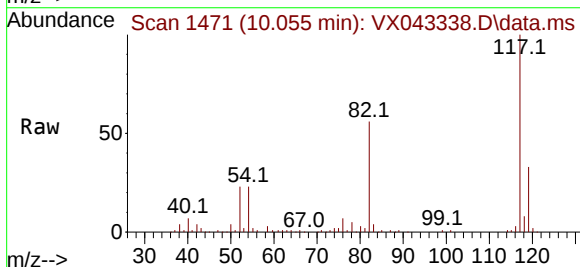
Tgt Ion: 117 Resp: 129225

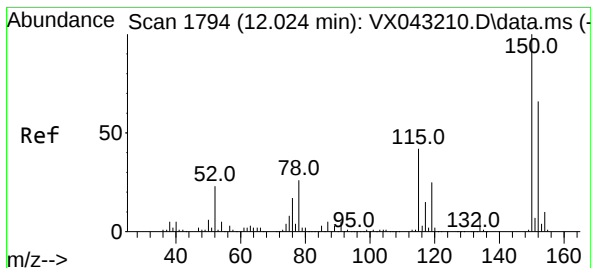
Ion Ratio Lower Upper

117 100

82 56.4 45.0 67.6

119 33.1 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: VX043338.D

Acq: 09 Oct 2024 14:45

Instrument :

MSVOA_X

ClientSampleId :

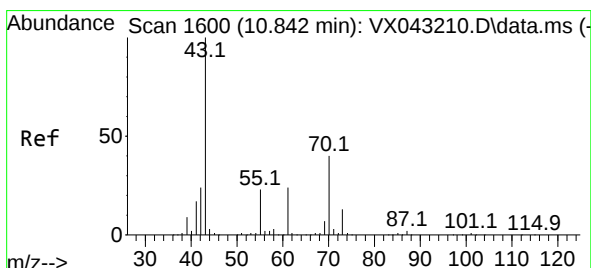
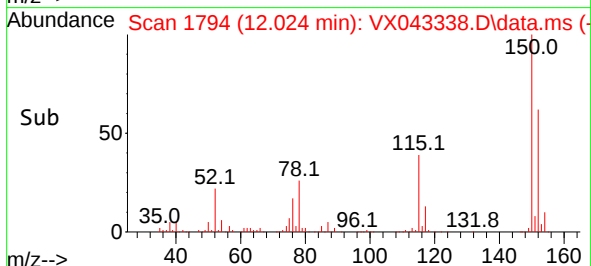
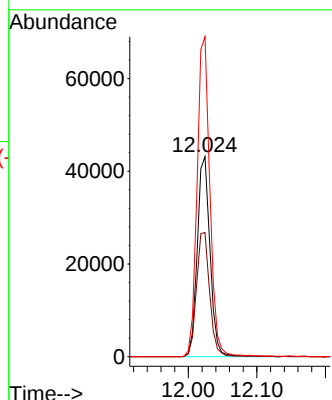
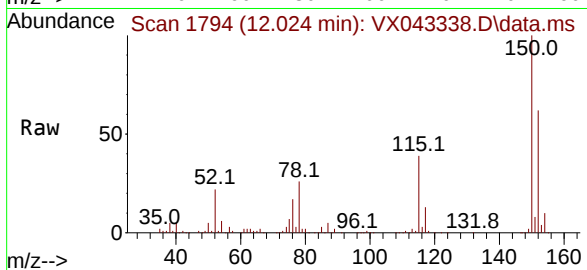
Tgt Ion:152 Resp: 55959

Ion Ratio Lower Upper

152 100

115 64.1 44.1 132.3

150 160.9 0.0 347.4



#74

N-ethyl acetate

Concen: 0.345 ug/l

RT: 10.781 min Scan# 1590

Delta R.T. -0.061 min

Lab File: VX043338.D

Acq: 09 Oct 2024 14:45

Tgt Ion: 43 Resp: 712

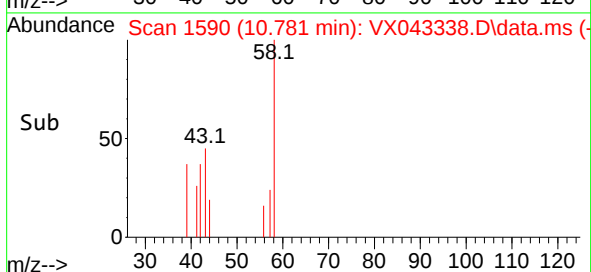
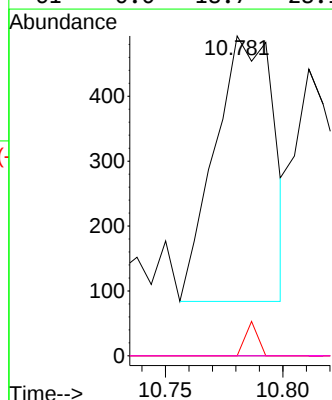
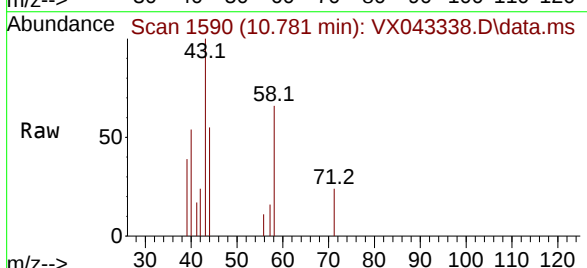
Ion Ratio Lower Upper

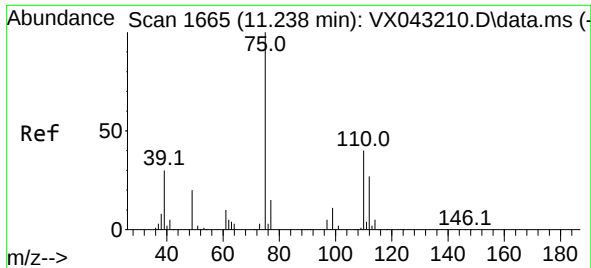
43 100

70 0.0 33.1 49.7#

55 0.0 18.6 27.8#

61 0.0 18.7 28.1#

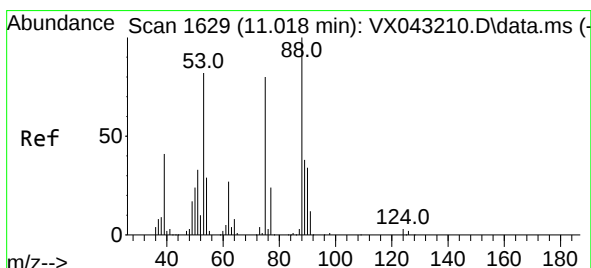
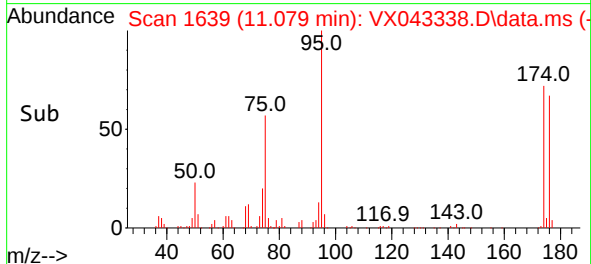
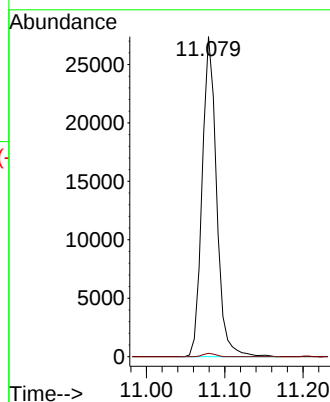
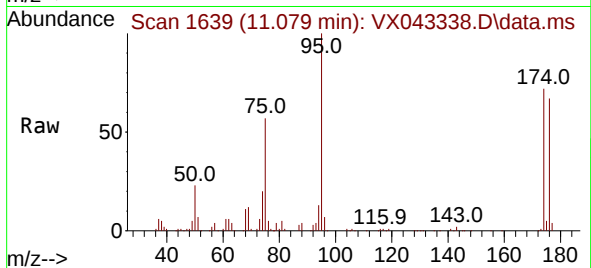




#76
1,2,3-Trichloropropane
Concen: 28.282 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043338.D
Acq: 09 Oct 2024 14:45

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 35104
Ion Ratio Lower Upper
75 100
77 0.9 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.296 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043338.D
Acq: 09 Oct 2024 14:45

Tgt Ion: 75 Resp: 35104
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

