

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100924\
 Data File : VX043339.D
 Acq On : 09 Oct 2024 15:08
 Operator : JC/MD
 Sample : PB163972ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

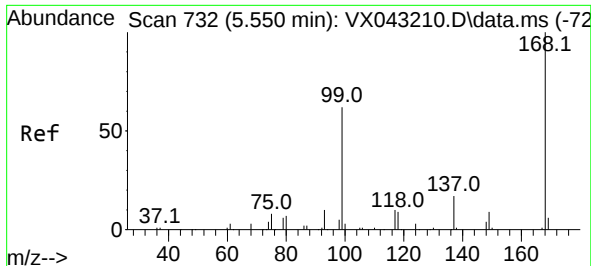
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 01:32:43 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	82060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155584	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71258	53.171	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.340%			
35) Dibromofluoromethane	5.385	113	50823	47.367	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.740%			
50) Toluene-d8	8.647	98	181766	48.884	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.760%			
62) 4-Bromofluorobenzene	11.079	95	63096	46.709	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.420%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	181	0.450	ug/l #	2
11) Tert butyl alcohol	3.001	59	755	2.960	ug/l #	71
16) Acetone	2.392	43	13971	24.963	ug/l	96
18) Methyl Acetate	2.709	43	3307	2.355	ug/l	95
20) Methylene Chloride	2.782	84	3524	3.415	ug/l	92
23) Vinyl Acetate	3.696	43	40	6.351	ug/l #	71
25) 2-Butanone	4.580	43	6021	7.846	ug/l	96
29) Tetrahydrofuran	5.032	42	299	0.612	ug/l #	50
31) Cyclohexane	5.538	56	2082	1.440	ug/l #	39
36) 1,1-Dichloropropene	5.538	75	7370	5.437	ug/l #	49
37) Ethyl Acetate	4.757	43	1906	1.171	ug/l #	79
38) Carbon Tetrachloride	5.550	117	9291	5.790	ug/l #	15
41) Methacrylonitrile	5.038	41	281	0.332	ug/l #	23
43) Isopropyl Acetate	6.342	43	86186	32.055	ug/l	99
48) Methyl methacrylate	7.617	41	3352	2.541	ug/l #	13
49) 1,4-Dioxane	7.799	88	47	1.833	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	66627	40.801	ug/l #	50
52) Toluene	8.720	92	773	0.300	ug/l	96
53) t-1,3-Dichloropropene	8.958	75	454	0.288	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28480	16.818	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	3583	2.055	ug/l #	43
59) 2-Hexanone	9.482	43	51888	42.019	ug/l #	52
74) N-amyl acetate	10.781	43	760	0.372	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	35107	28.617	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	35107	74.166	ug/l #	8

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

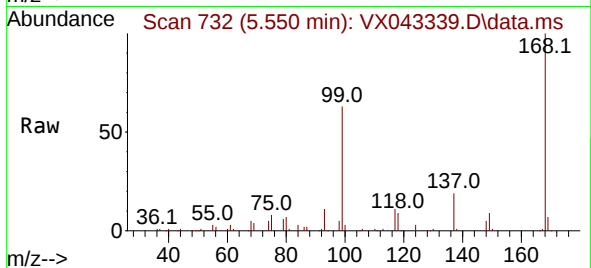


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043339.D
Acq: 09 Oct 2024 15:08

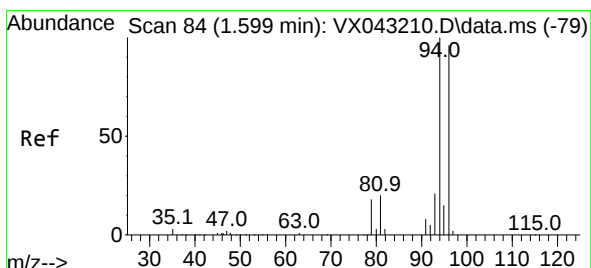
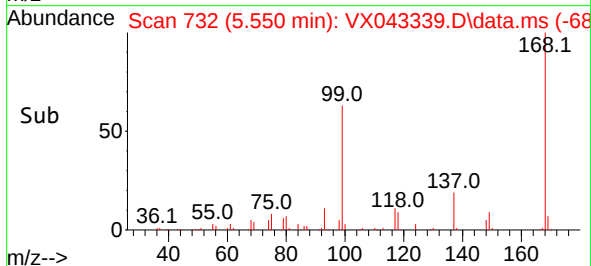
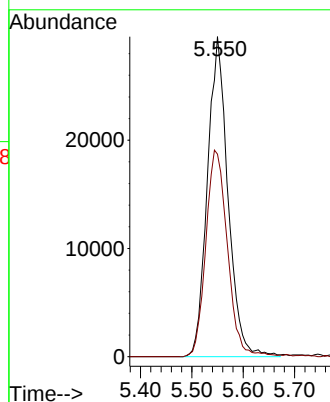
Instrument :

MSVOA_X

ClientSampleId :

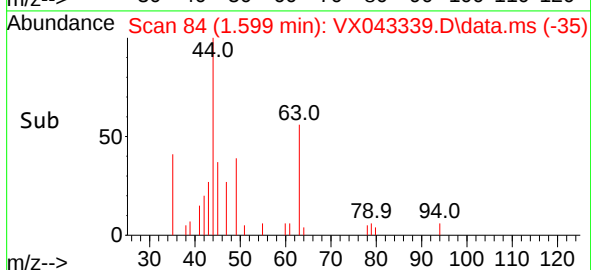
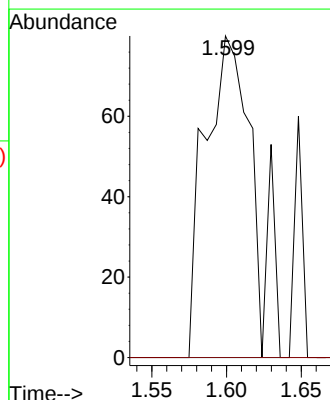
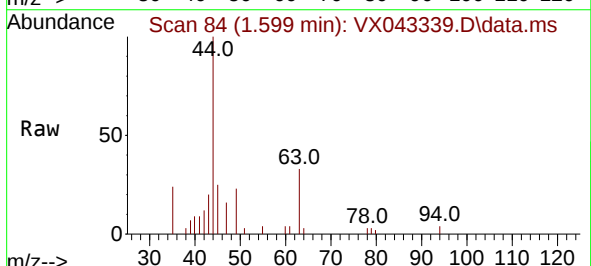


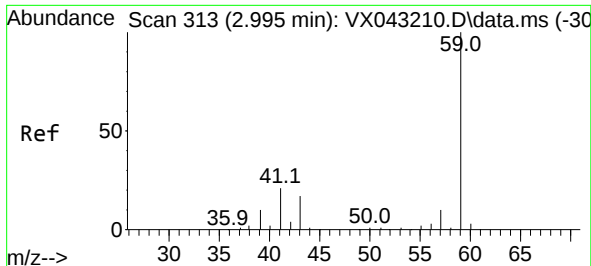
Tgt Ion:168 Resp: 82060
Ion Ratio Lower Upper
168 100
99 63.3 49.7 74.5



#5
Bromomethane
Concen: 0.450 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX043339.D
Acq: 09 Oct 2024 15:08

Tgt Ion: 94 Resp: 181
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#





#11

Tert butyl alcohol

Concen: 2.960 ug/l

RT: 3.001 min Scan# 31

Delta R.T. 0.006 min

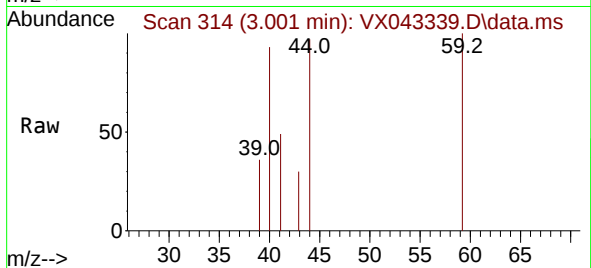
Lab File: VX043339.D

Acq: 09 Oct 2024 15:08

Instrument :

MSVOA_X

ClientSampleId :

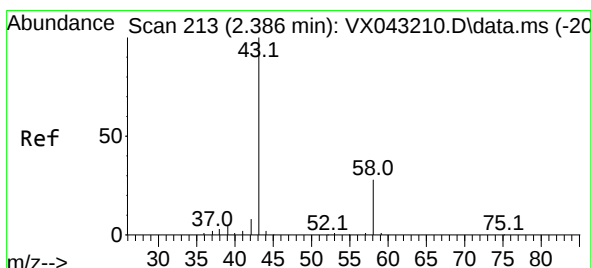
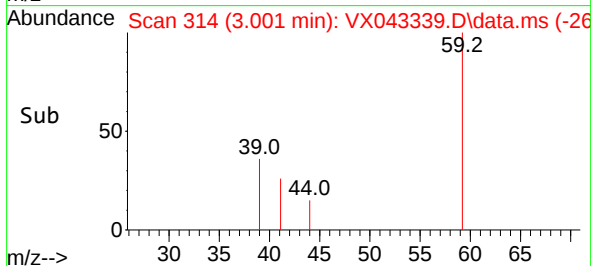
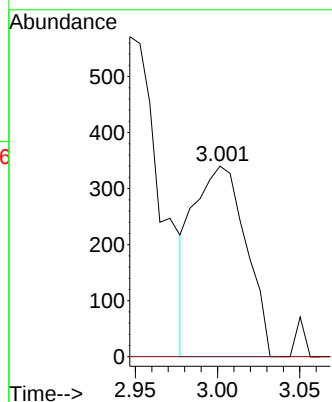


Tgt Ion: 59 Resp: 755

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#16

Acetone

Concen: 24.963 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX043339.D

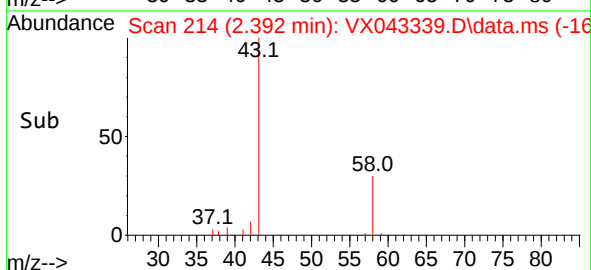
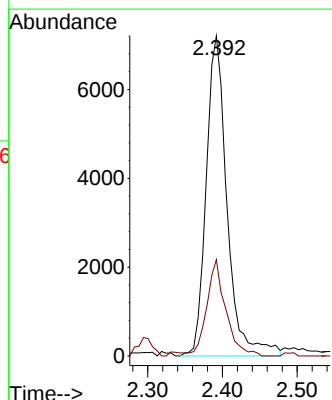
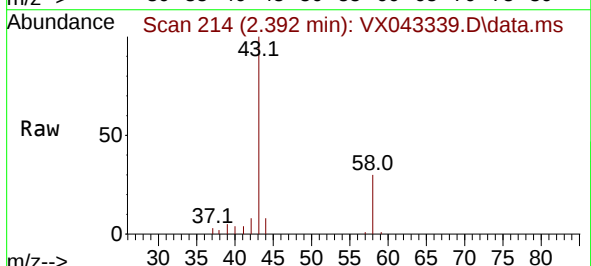
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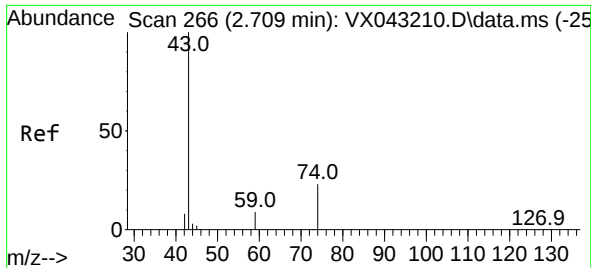
Tgt Ion: 43 Resp: 13971

Ion Ratio Lower Upper

43 100

58 30.1 22.6 33.8

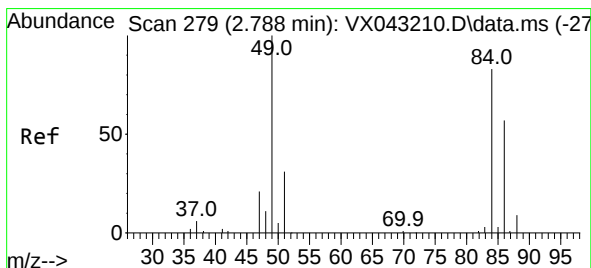
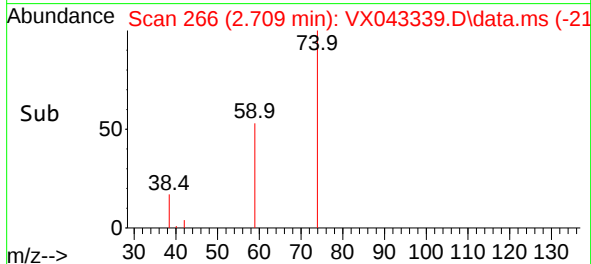
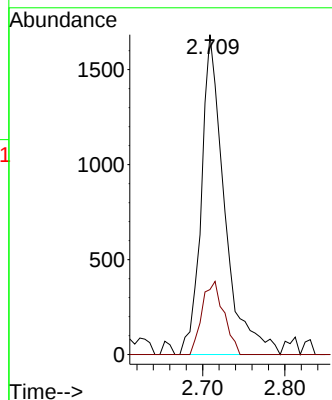
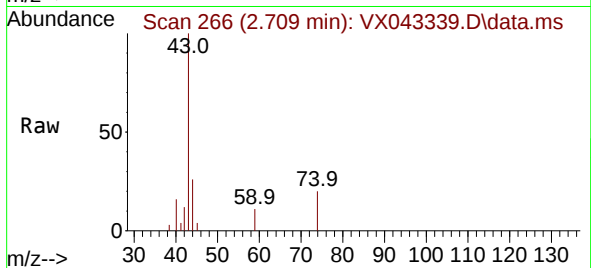




#18
Methyl Acetate
Concen: 2.355 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043339.D
Acq: 09 Oct 2024 15:08

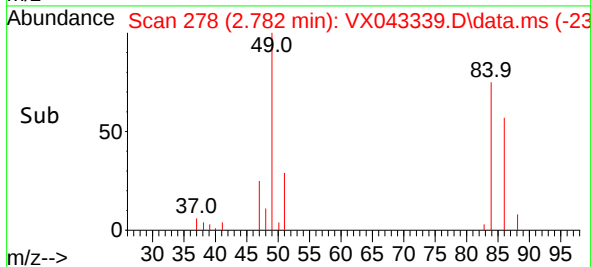
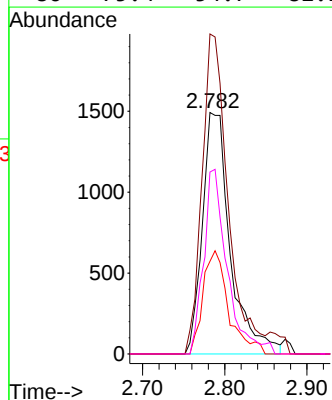
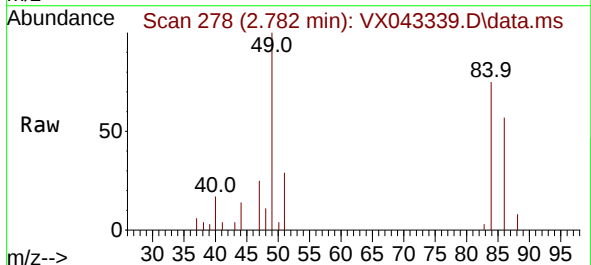
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 3307
Ion Ratio Lower Upper
43 100
74 21.5 19.1 28.7



#20
Methylene Chloride
Concen: 3.415 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX043339.D
Acq: 09 Oct 2024 15:08

Tgt Ion: 84 Resp: 3524
Ion Ratio Lower Upper
84 100
49 132.5 96.7 145.1
51 38.4 30.4 45.6
86 75.4 54.7 82.1

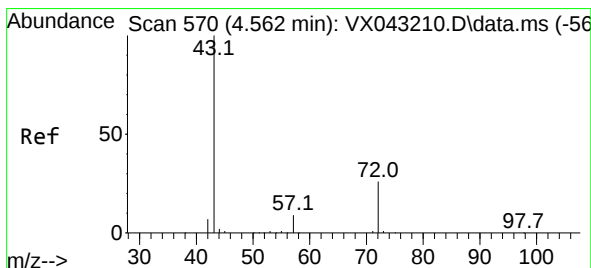
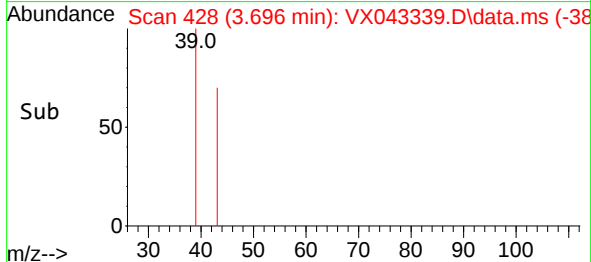
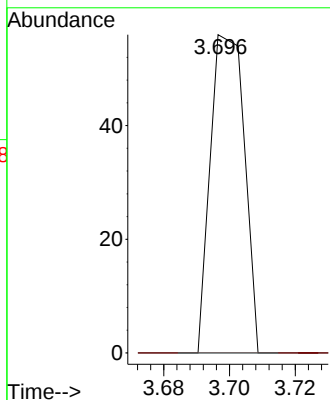
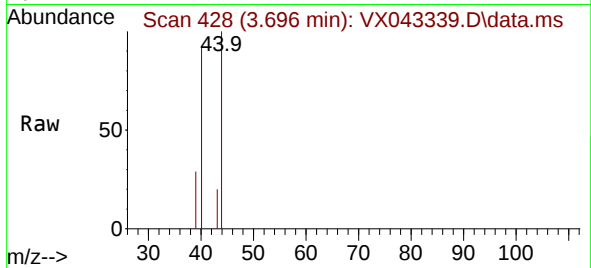




#23
 Vinyl Acetate
 Concen: 6.351 ug/l
 RT: 3.696 min Scan# 41
 Delta R.T. -0.025 min
 Lab File: VX043339.D
 Acq: 09 Oct 2024 15:08

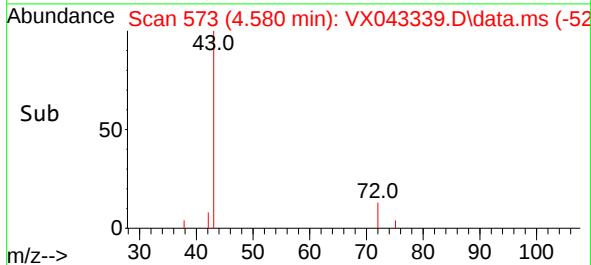
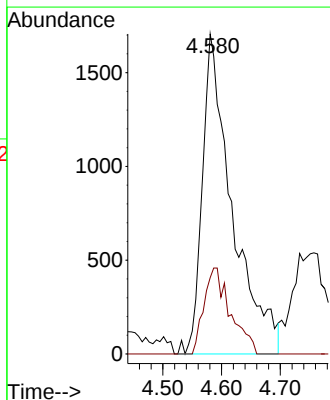
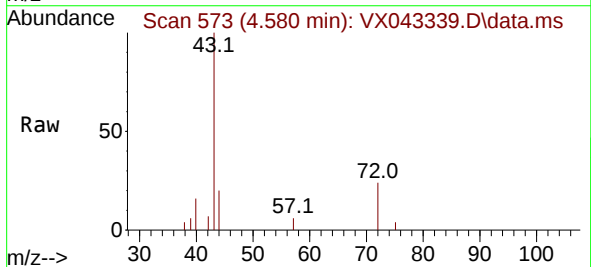
Instrument :
 MSVOA_X
 ClientSampleId :

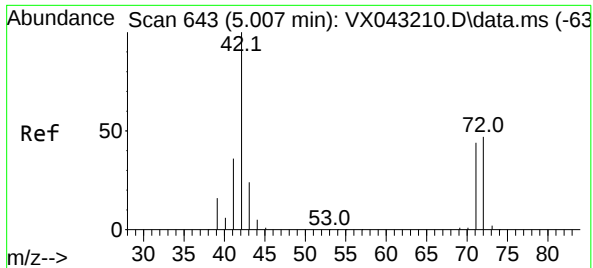
Tgt Ion: 43 Resp: 40
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 7.846 ug/l
 RT: 4.580 min Scan# 573
 Delta R.T. 0.018 min
 Lab File: VX043339.D
 Acq: 09 Oct 2024 15:08

Tgt Ion: 43 Resp: 6021
 Ion Ratio Lower Upper
 43 100
 72 23.9 20.6 31.0





#29

Tetrahydrofuran

Concen: 0.612 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX043339.D

Acq: 09 Oct 2024 15:08

Instrument :

MSVOA_X

ClientSampleId :

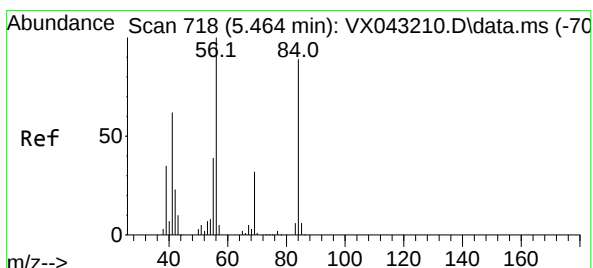
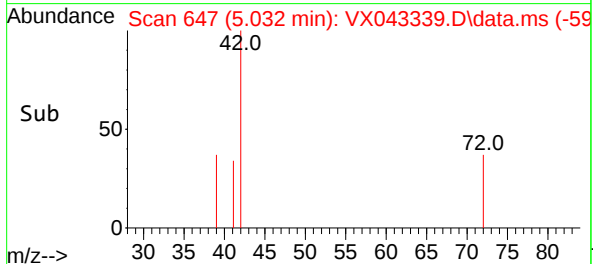
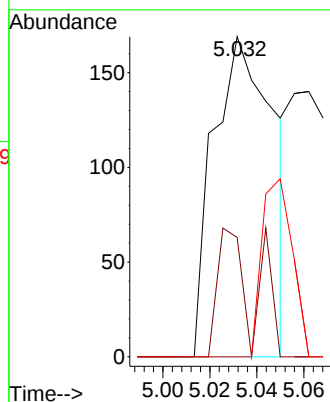
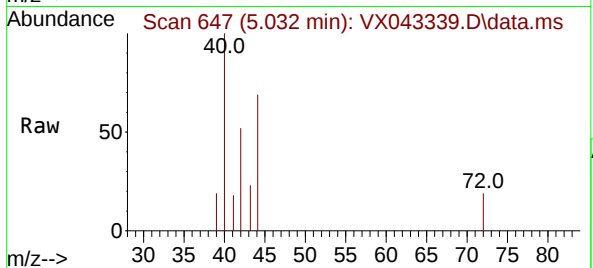
Tgt Ion: 42 Resp: 299

Ion Ratio Lower Upper

42 100

72 24.4 37.7 56.5#

71 0.0 34.6 52.0#



#31

Cyclohexane

Concen: 1.440 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX043339.D

Acq: 09 Oct 2024 15:08

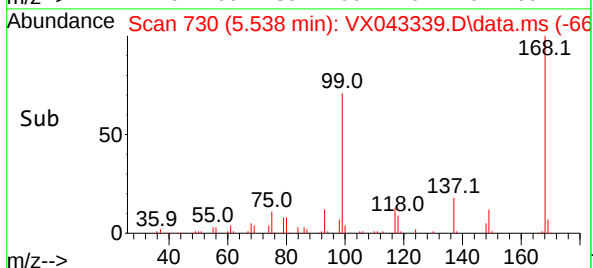
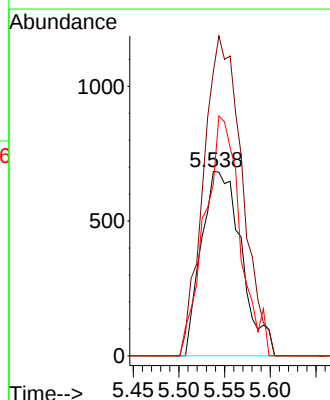
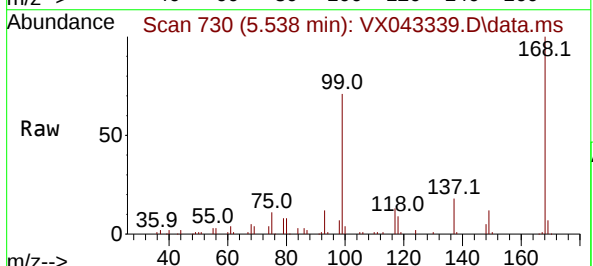
Tgt Ion: 56 Resp: 2082

Ion Ratio Lower Upper

56 100

69 154.1 25.8 38.6#

84 93.0 71.1 106.7

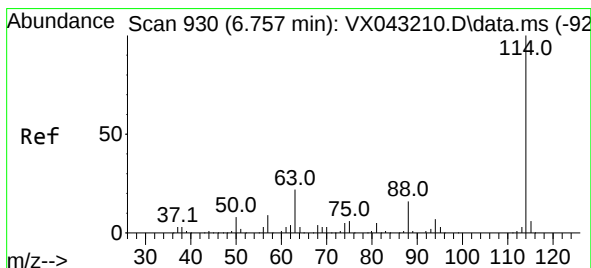
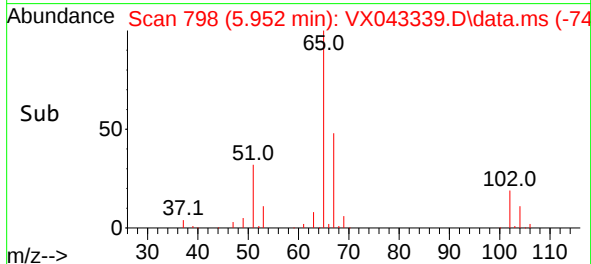
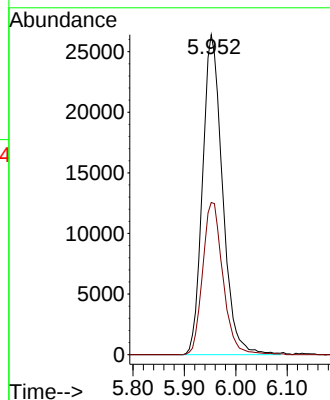
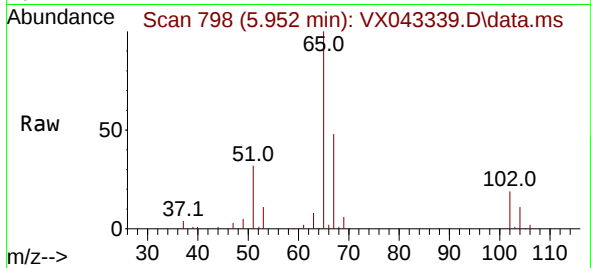




#33
 1,2-Dichloroethane-d4
 Concen: 53.171 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX043339.D
 Acq: 09 Oct 2024 15:08

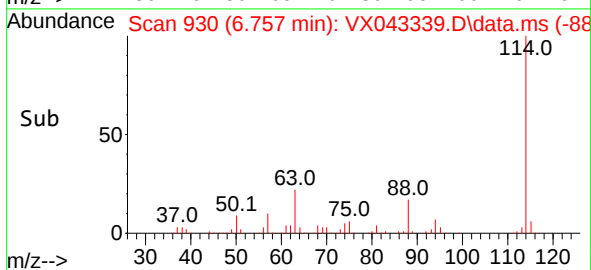
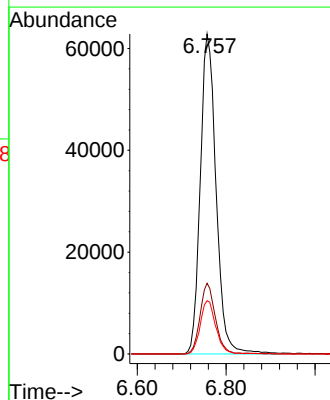
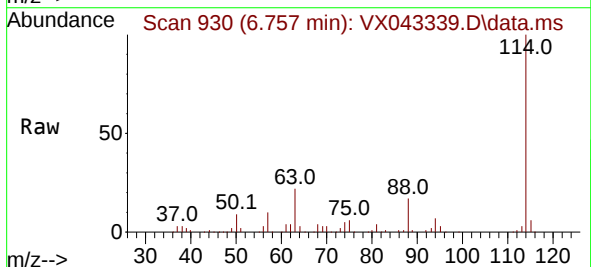
Instrument :
 MSVOA_X
 ClientSampleId :

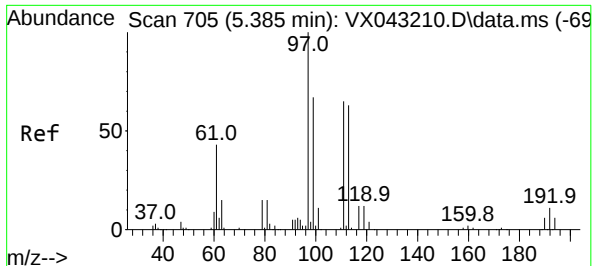
Tgt Ion: 65 Resp: 71258
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX043339.D
 Acq: 09 Oct 2024 15:08

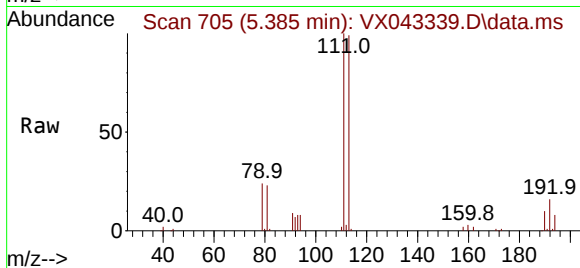
Tgt Ion: 114 Resp: 155584
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.0
 88 16.6 0.0 33.0



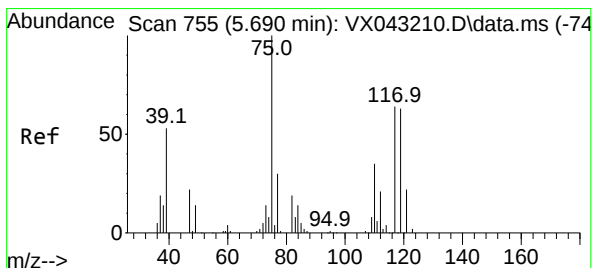
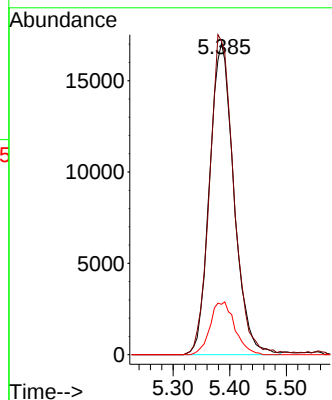
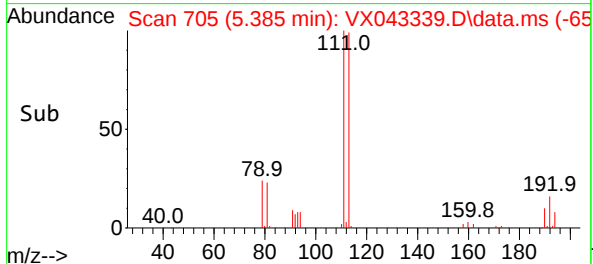


#35
Dibromofluoromethane
Concen: 47.367 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043339.D
Acq: 09 Oct 2024 15:08

Instrument :
MSVOA_X
ClientSampleId :

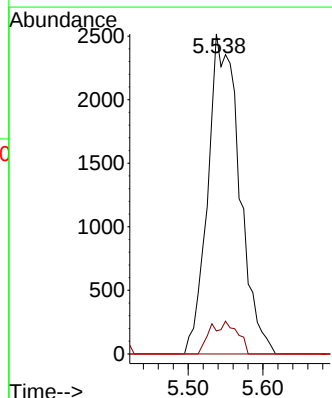
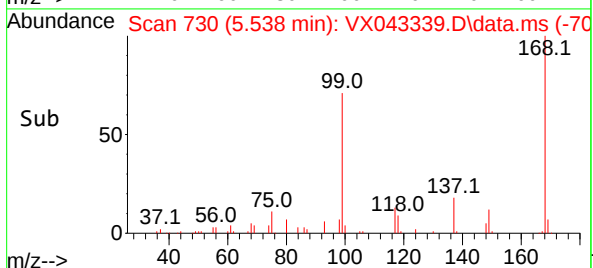
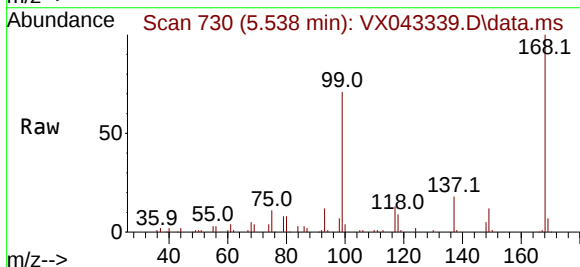


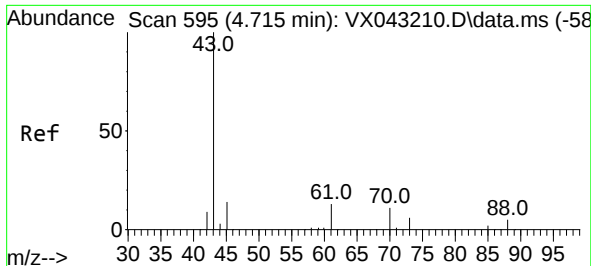
Tgt Ion:113 Resp: 50823
Ion Ratio Lower Upper
113 100
111 102.0 83.4 125.0
192 17.1 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.437 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.152 min
Lab File: VX043339.D
Acq: 09 Oct 2024 15:08

Tgt Ion: 75 Resp: 7370
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.3#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.171 ug/l

RT: 4.757 min Scan# 602

Delta R.T. 0.043 min

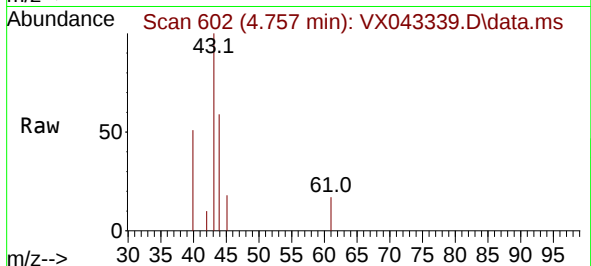
Lab File: VX043339.D

Acq: 09 Oct 2024 15:08

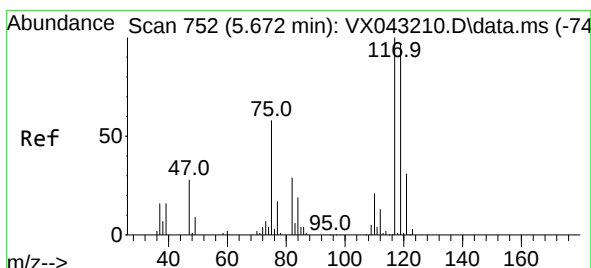
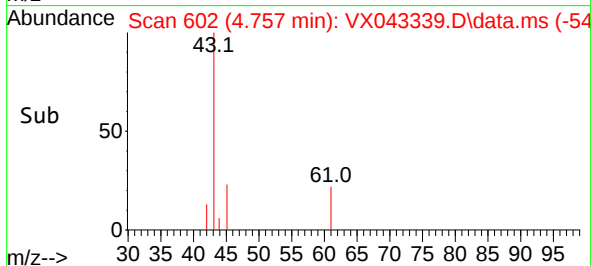
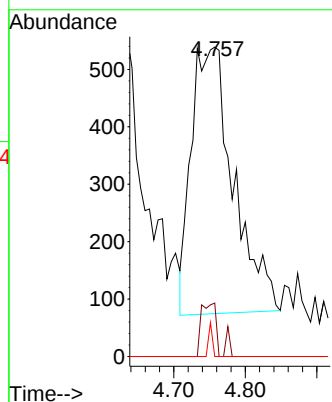
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 1906
Ion Ratio	Lower Upper
43	100
61	6.9 11.0 16.4#
70	1.2 8.9 13.3#



#38

Carbon Tetrachloride

Concen: 5.790 ug/l

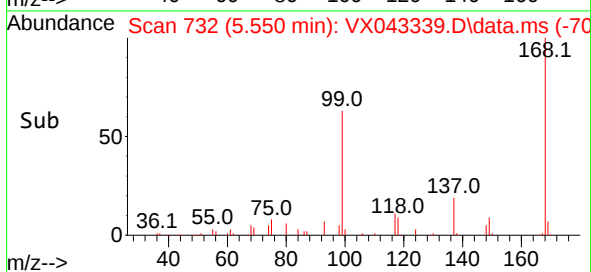
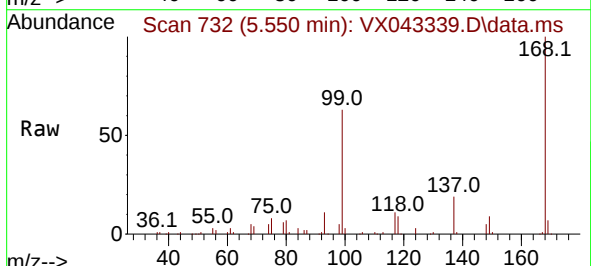
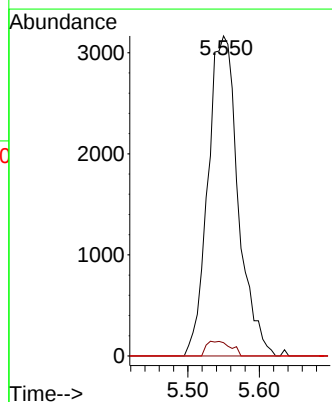
RT: 5.550 min Scan# 732

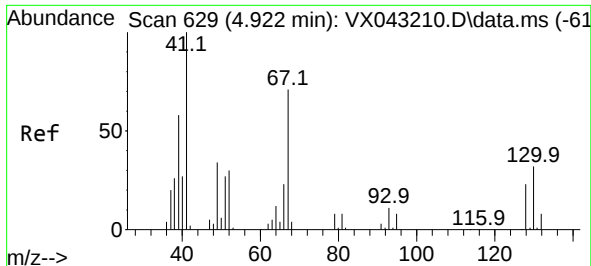
Delta R.T. -0.122 min

Lab File: VX043339.D

Acq: 09 Oct 2024 15:08

Tgt Ion: 117	Resp: 9291
Ion Ratio	Lower Upper
117	100
119	4.1 77.7 116.5#
121	0.0 24.3 36.5#

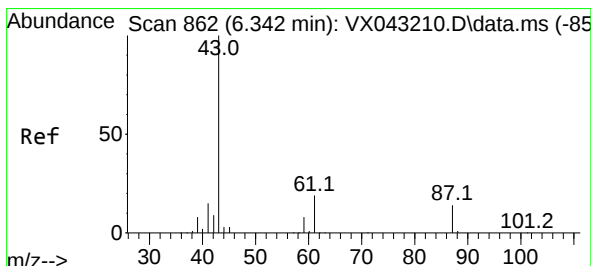
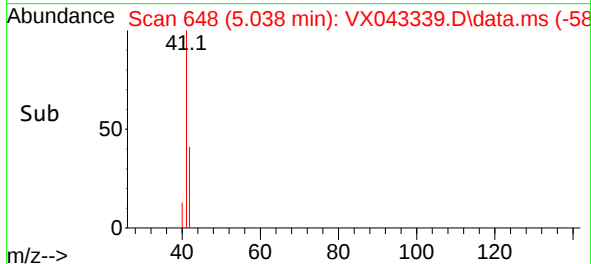
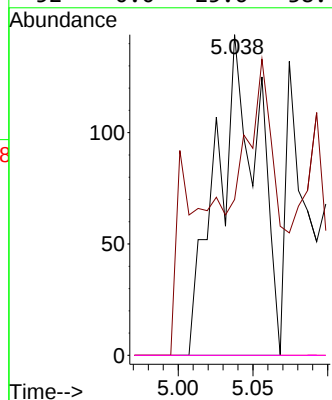
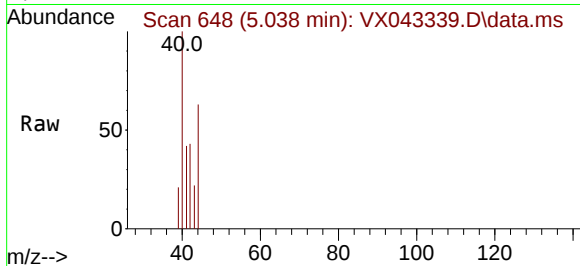




#41
Methacrylonitrile
Concen: 0.332 ug/l
RT: 5.038 min Scan# 64
Delta R.T. 0.116 min
Lab File: VX043339.D
Acq: 09 Oct 2024 15:08

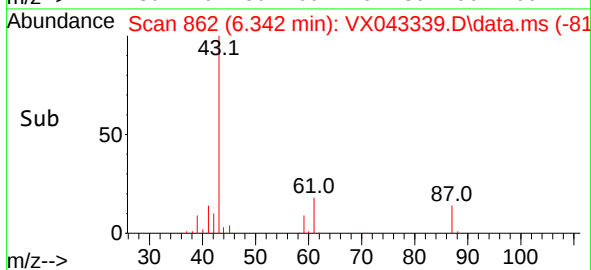
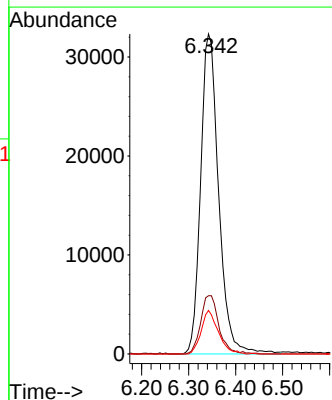
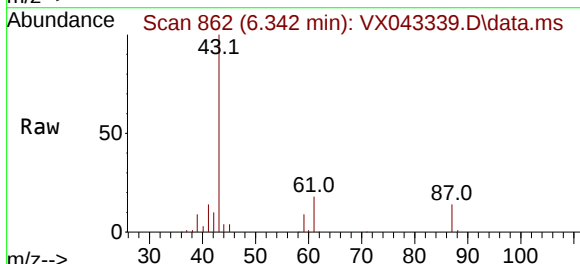
Instrument :
MSVOA_X
ClientSampleId :

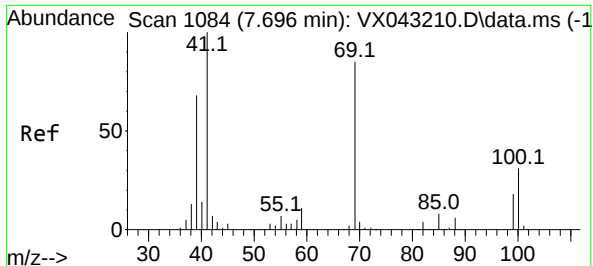
Tgt Ion: 41	Resp: 281
Ion Ratio	Lower Upper
41 100	
39 0.0	45.0 67.4#
67 0.0	56.0 84.0#
52 0.0	25.6 38.4#



#43
Isopropyl Acetate
Concen: 32.055 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043339.D
Acq: 09 Oct 2024 15:08

Tgt Ion: 43	Resp:	86186	
Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.1	22.7
87	12.9	10.8	16.2





#48

Methyl methacrylate

Concen: 2.541 ug/l

RT: 7.617 min Scan# 1101

Delta R.T. -0.079 min

Lab File: VX043339.D

Acq: 09 Oct 2024 15:08

Instrument :

MSVOA_X

ClientSampleId :

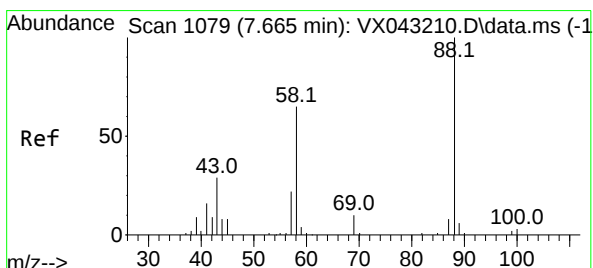
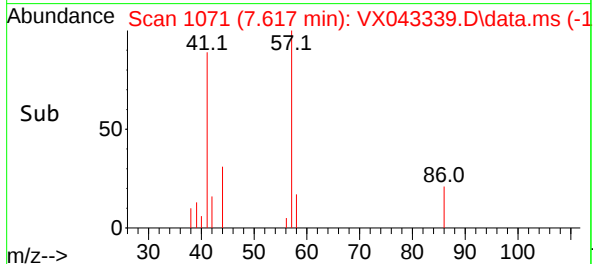
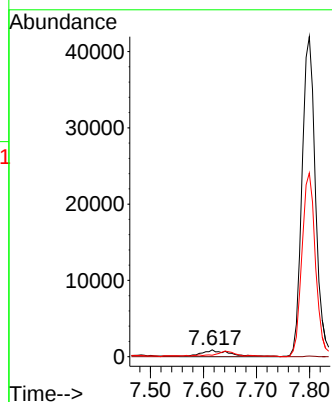
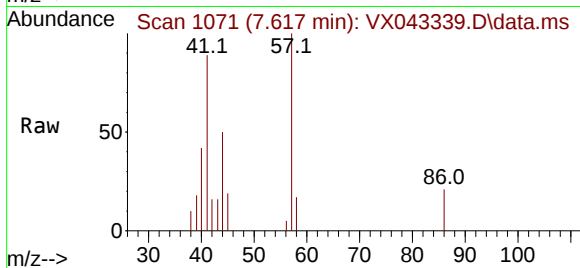
Tgt Ion: 41 Resp: 3352

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: 1.833 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX043339.D

Acq: 09 Oct 2024 15:08

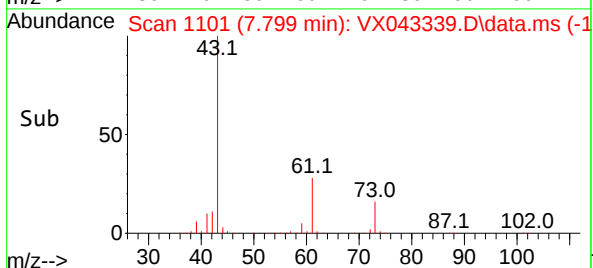
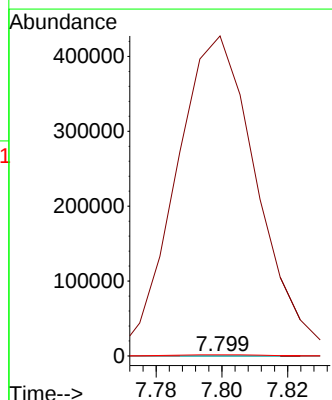
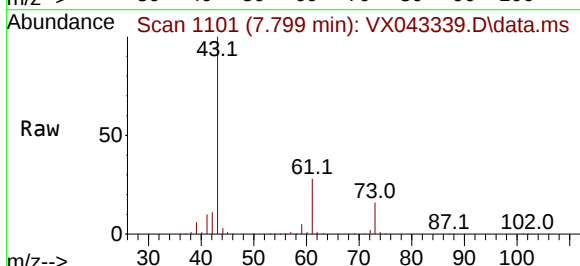
Tgt Ion: 88 Resp: 47

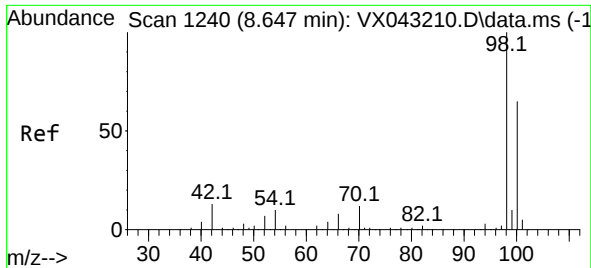
Ion Ratio Lower Upper

88 100

43 1601331.9 29.5 44.3#

58 6746.8 55.2 82.8#

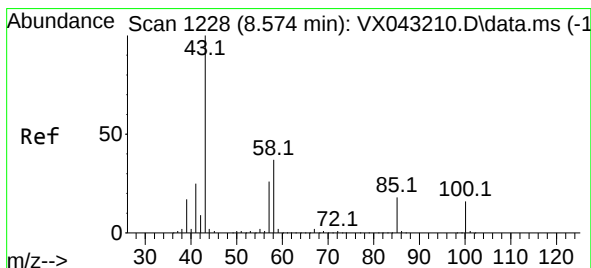
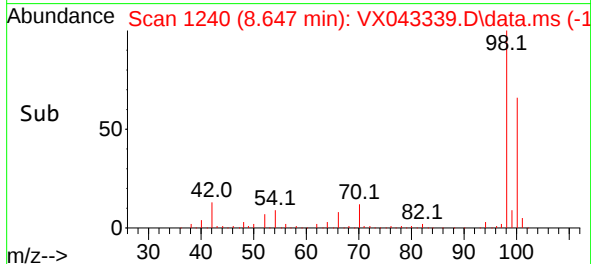
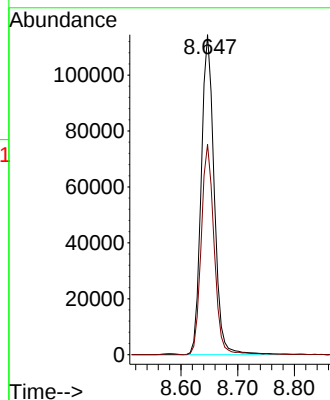
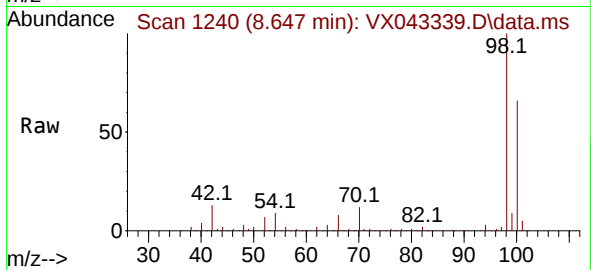




#50
Toluene-d8
Concen: 48.884 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043339.D
Acq: 09 Oct 2024 15:08

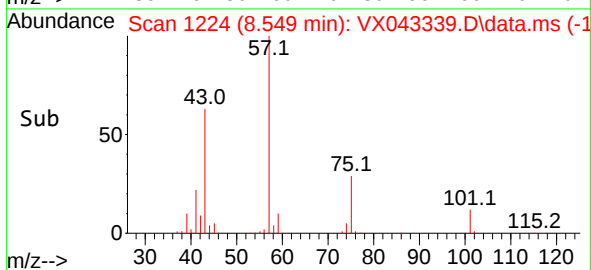
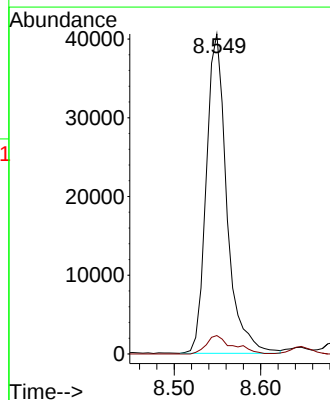
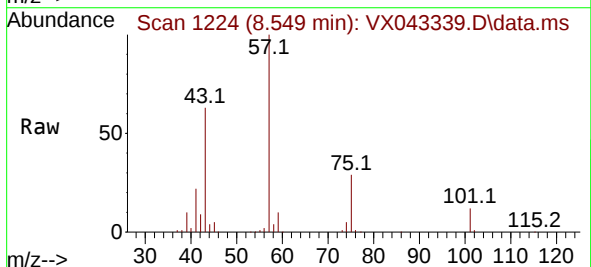
Instrument :
MSVOA_X
ClientSampleId :

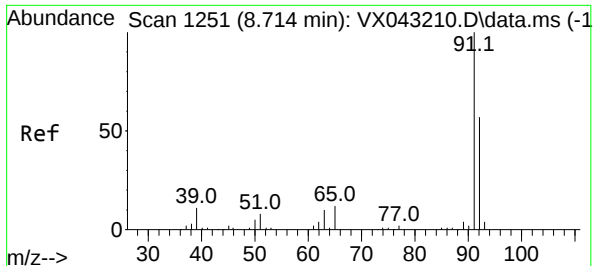
Tgt Ion: 98 Resp: 181766
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 40.801 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX043339.D
Acq: 09 Oct 2024 15:08

Tgt Ion: 43 Resp: 66627
Ion Ratio Lower Upper
43 100
58 7.5 30.0 45.0#





#52

Toluene

Concen: 0.300 ug/l

RT: 8.720 min Scan# 1251

Delta R.T. 0.006 min

Lab File: VX043339.D

Acq: 09 Oct 2024 15:08

Instrument :

MSVOA_X

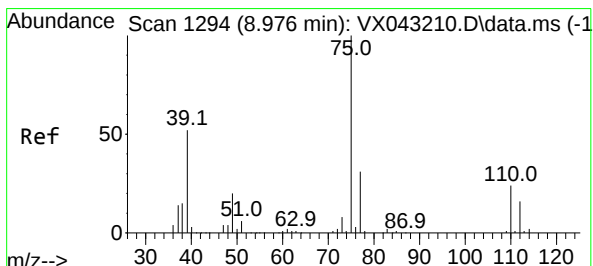
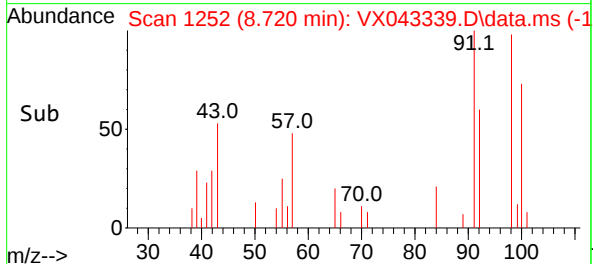
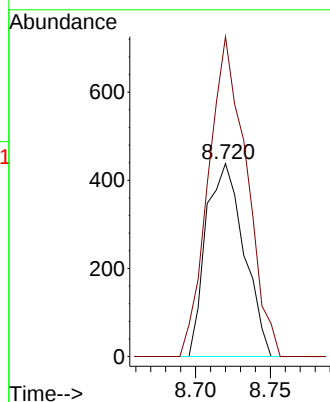
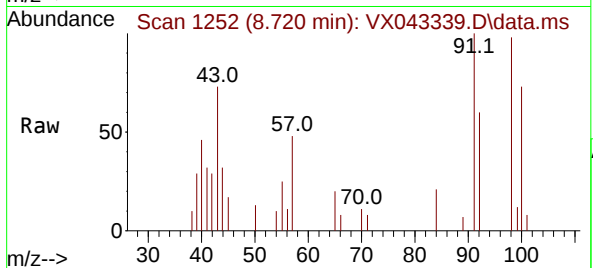
ClientSampleId :

Tgt Ion: 92 Resp: 773

Ion Ratio Lower Upper

92 100

91 166.2 137.0 205.4



#53

t-1,3-Dichloropropene

Concen: 0.288 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.018 min

Lab File: VX043339.D

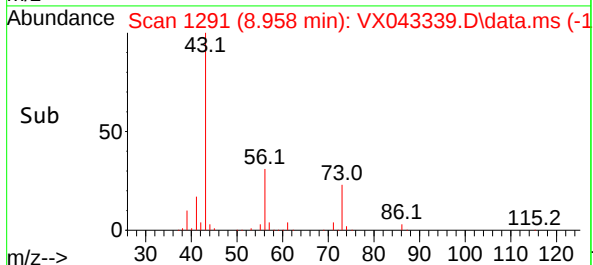
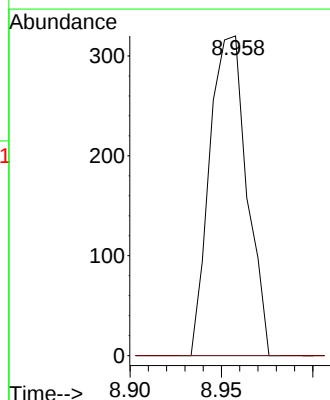
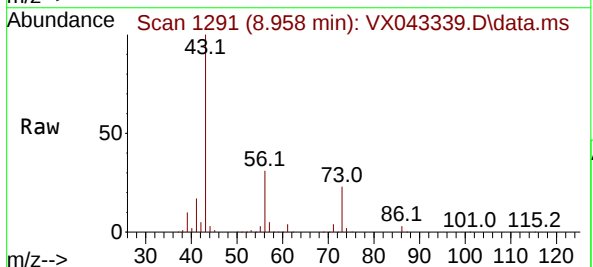
Acq: 09 Oct 2024 15:08

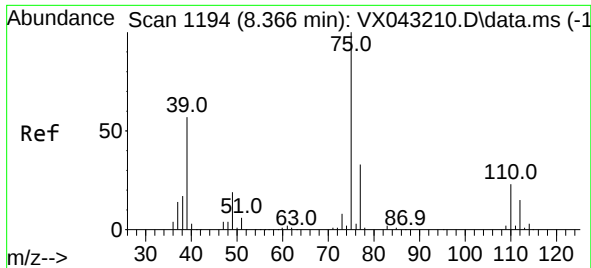
Tgt Ion: 75 Resp: 454

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

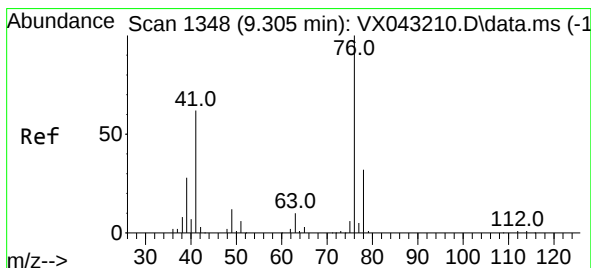
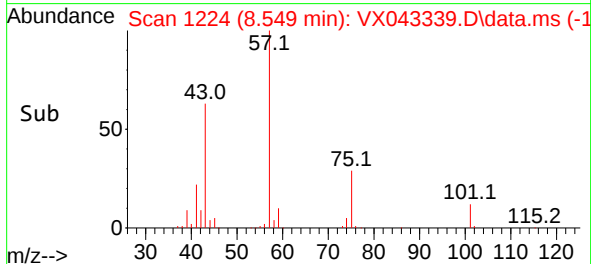
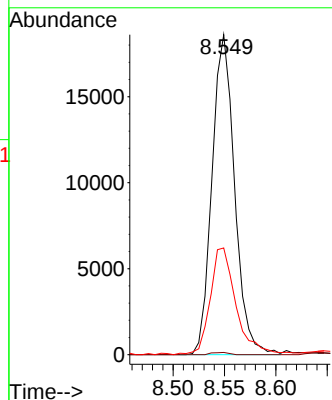
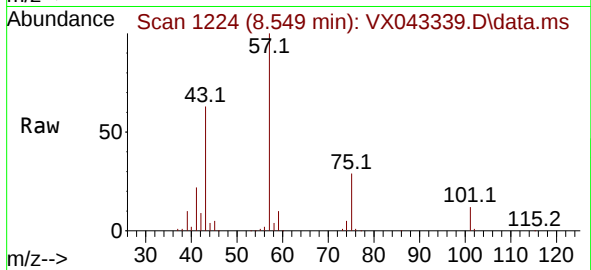




#54
 cis-1,3-Dichloropropene
 Concen: 16.818 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043339.D
 Acq: 09 Oct 2024 15:08

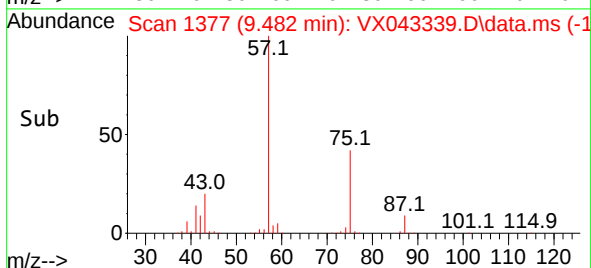
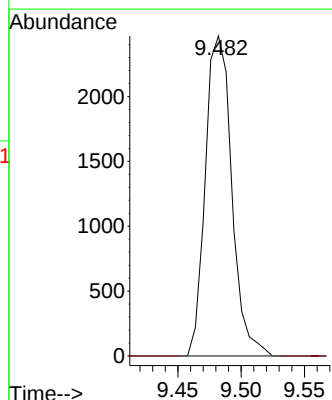
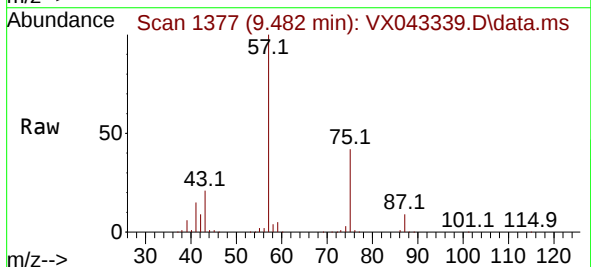
Instrument :
 MSVOA_X
 ClientSampleId :

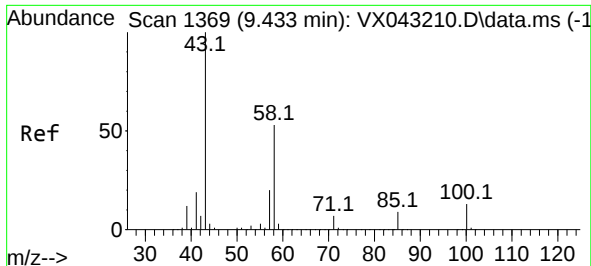
Tgt Ion: 75 Resp: 28480
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.0 39.0#
 39 32.9 45.8 68.8#



#57
 1,3-Dichloropropane
 Concen: 2.055 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX043339.D
 Acq: 09 Oct 2024 15:08

Tgt Ion: 76 Resp: 3583
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

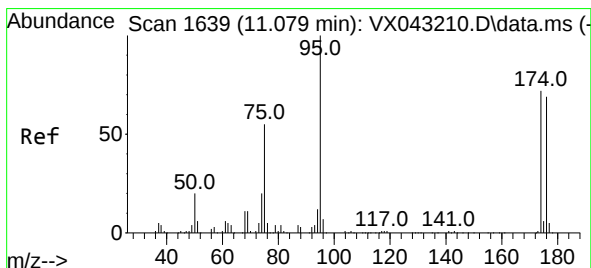
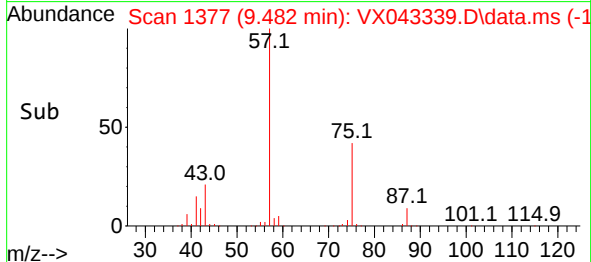
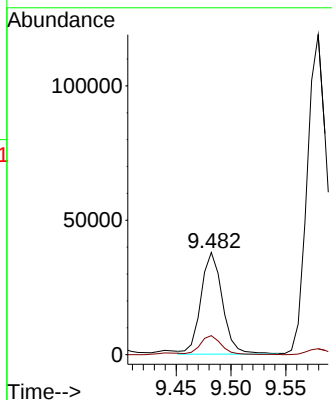
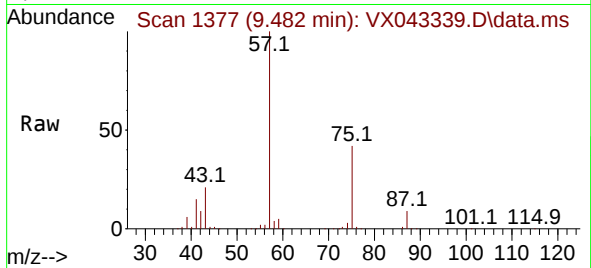




#59
2-Hexanone
Concen: 42.019 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043339.D
Acq: 09 Oct 2024 15:08

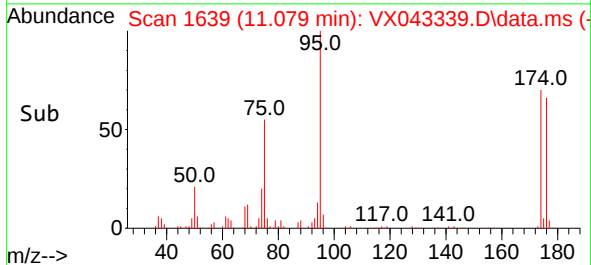
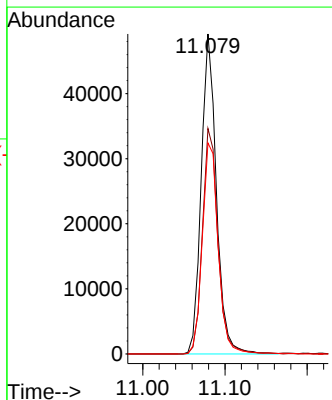
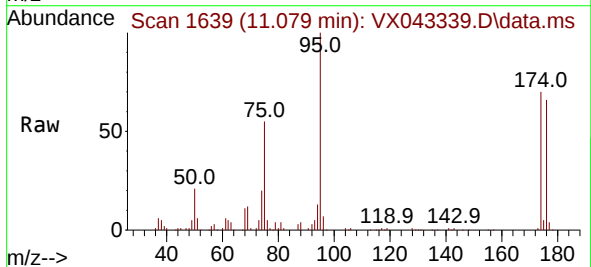
Instrument :
MSVOA_X
ClientSampleId :

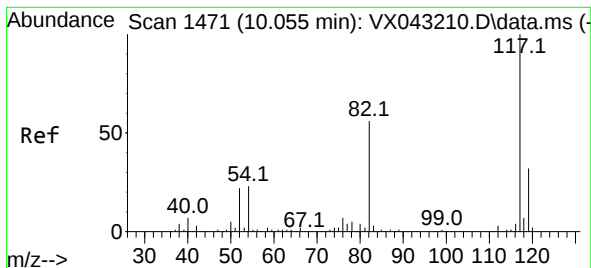
Tgt Ion: 43 Resp: 51888
Ion Ratio Lower Upper
43 100
58 18.6 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 46.709 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043339.D
Acq: 09 Oct 2024 15:08

Tgt Ion: 95 Resp: 63096
Ion Ratio Lower Upper
95 100
174 71.7 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: VX043339.D

Acq: 09 Oct 2024 15:08

Instrument :

MSVOA_X

ClientSampleId :

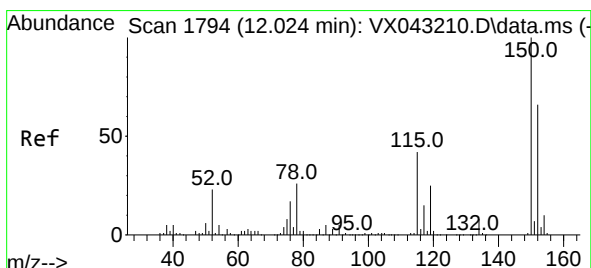
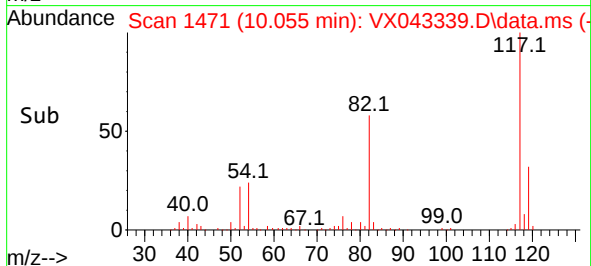
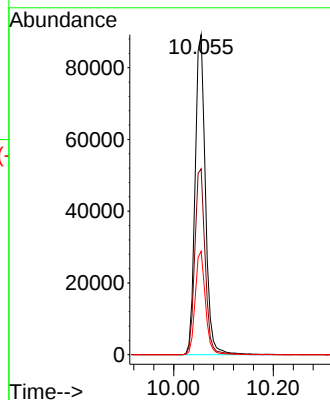
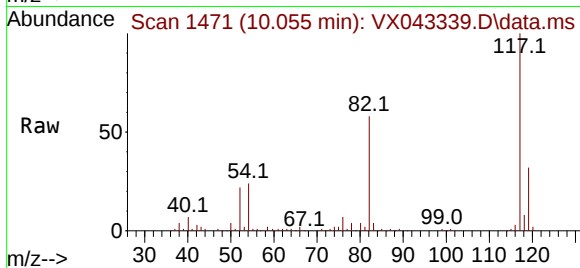
Tgt Ion:117 Resp: 128122

Ion Ratio Lower Upper

117 100

82 58.1 45.0 67.6

119 32.3 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: VX043339.D

Acq: 09 Oct 2024 15:08

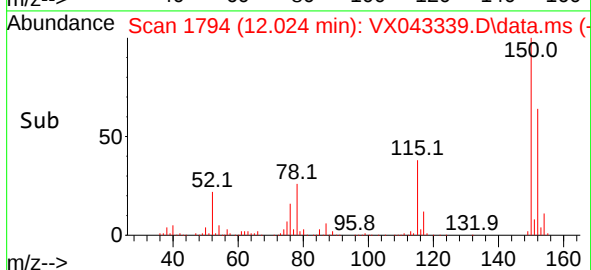
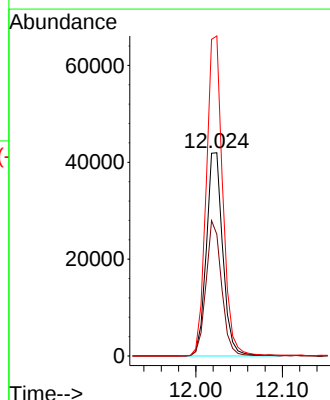
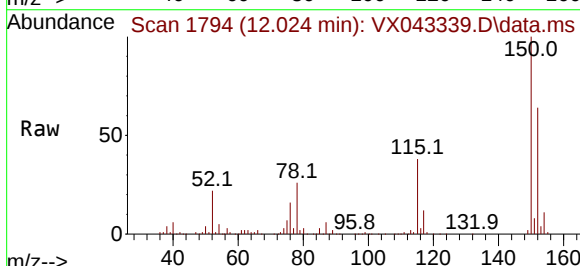
Tgt Ion:152 Resp: 55307

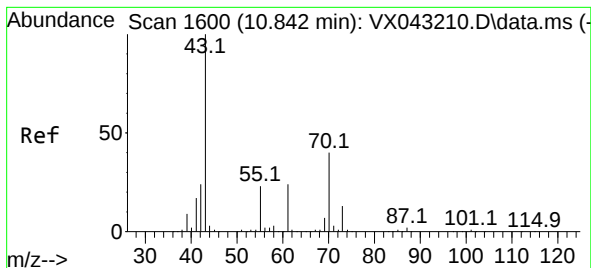
Ion Ratio Lower Upper

152 100

115 63.1 44.1 132.3

150 157.8 0.0 347.4





#74

N-amy1 acetate

Concen: 0.372 ug/l

RT: 10.781 min Scan# 1639

Delta R.T. -0.061 min

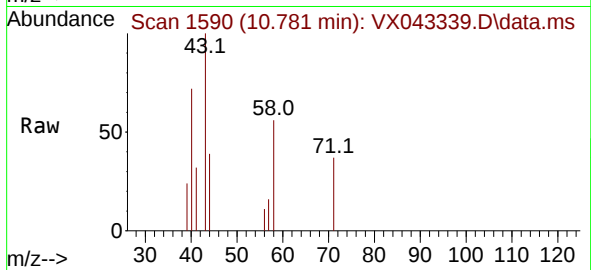
Lab File: VX043339.D

Acq: 09 Oct 2024 15:08

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 760

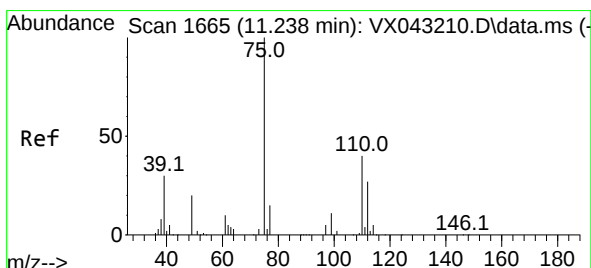
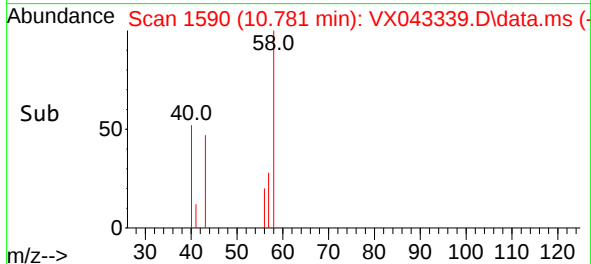
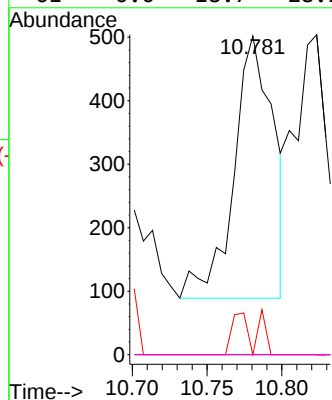
Ion Ratio Lower Upper

43 100

70 0.0 33.1 49.7#

55 9.6 18.6 27.8#

61 0.0 18.7 28.1#



#76

1,2,3-Trichloropropane

Concen: 28.617 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX043339.D

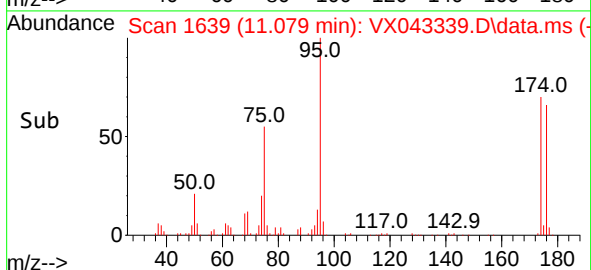
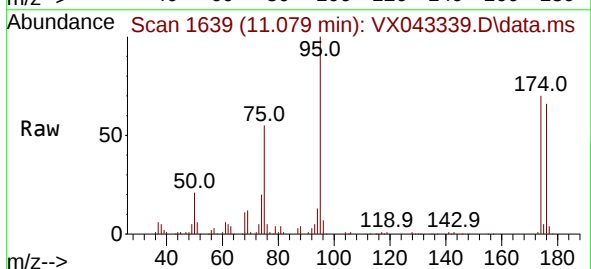
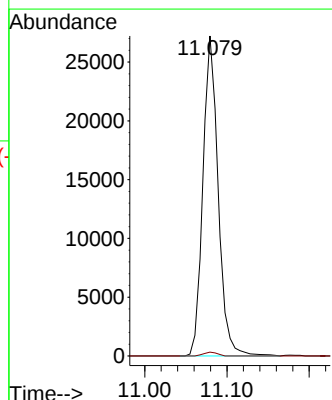
Acq: 09 Oct 2024 15:08

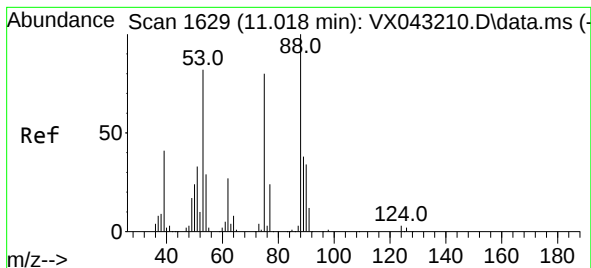
Tgt Ion: 75 Resp: 35107

Ion Ratio Lower Upper

75 100

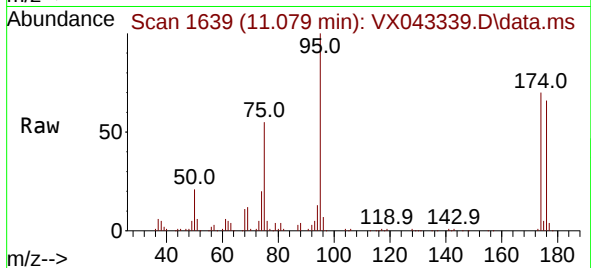
77 1.1 22.0 66.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.166 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043339.D
 Acq: 09 Oct 2024 15:08

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 35107
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.9 125.9#
 89 0.1 38.6 58.0#

