

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100224\
 Data File : VX043225.D
 Acq On : 02 Oct 2024 12:43
 Operator : JC/MD
 Sample : PB163826ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 23:01:14 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)

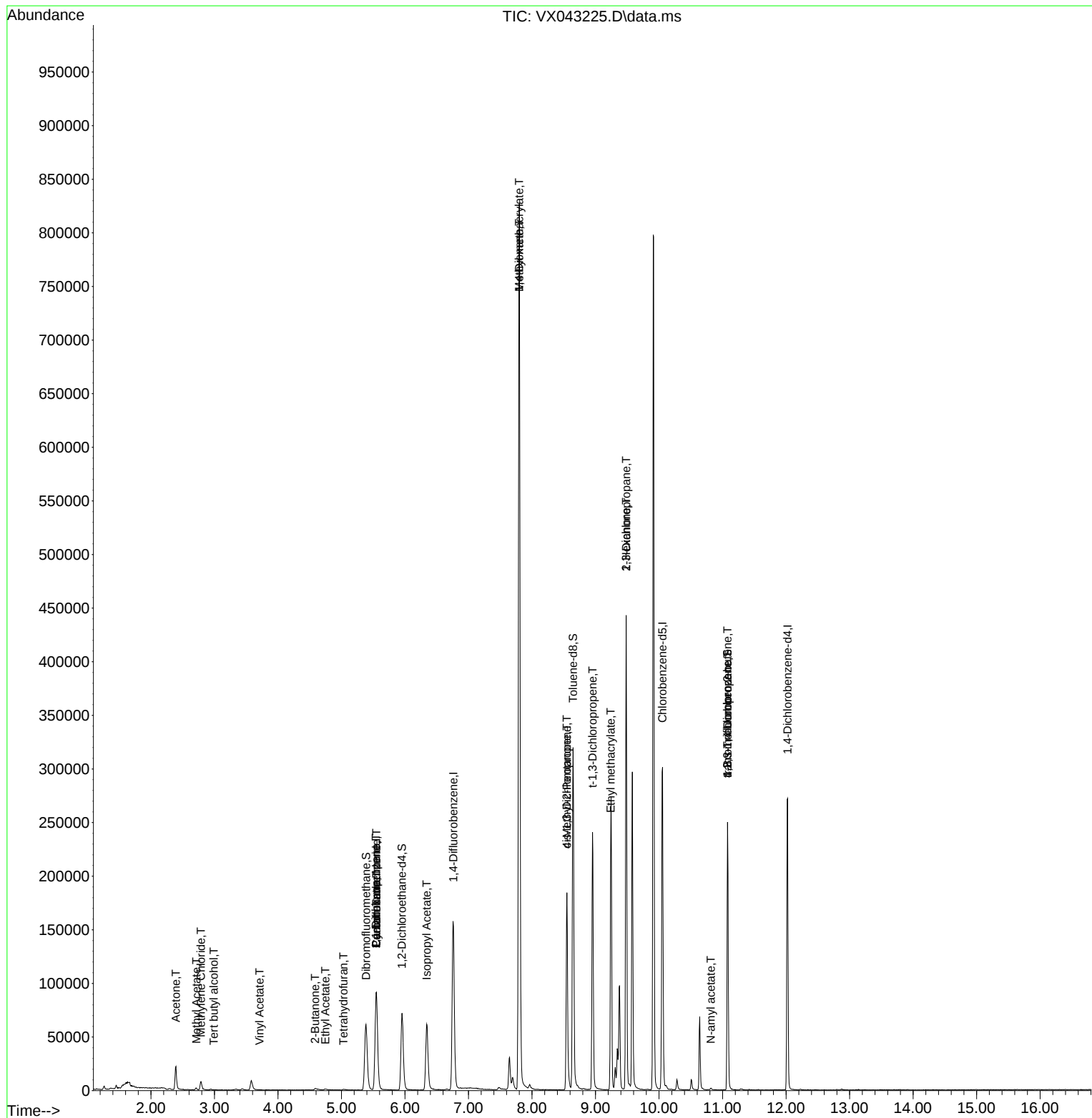
Internal Standards						
1) Pentafluorobenzene	5.550	168	84081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	161375	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	135591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	57429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72207	52.584	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.160%	
35) Dibromofluoromethane	5.385	113	53861	48.397	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.800%	
50) Toluene-d8	8.647	98	189983	49.260	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.520%	
62) 4-Bromofluorobenzene	11.079	95	66635	47.558	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 95.120%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.989	59	283	1.083	ug/l #	71
16) Acetone	2.392	43	26027	45.387	ug/l	98
18) Methyl Acetate	2.715	43	2338	1.625	ug/l #	89
20) Methylene Chloride	2.788	84	4035	3.816	ug/l	99
23) Vinyl Acetate	3.709	43	67	6.358	ug/l #	71
25) 2-Butanone	4.587	43	3566	4.535	ug/l	97
29) Tetrahydrofuran	5.032	42	687	1.372	ug/l #	37
31) Cyclohexane	5.550	56	1975	1.333	ug/l #	3
36) 1,1-Dichloropropene	5.544	75	7313	5.201	ug/l #	50
37) Ethyl Acetate	4.745	43	1921	1.138	ug/l #	84
38) Carbon Tetrachloride	5.550	117	9212	5.535	ug/l #	15
43) Isopropyl Acetate	6.342	43	87806	31.486	ug/l	100
48) Methyl methacrylate	7.799	41	76646	56.015	ug/l #	45
49) 1,4-Dioxane	7.799	88	53	1.993	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	70029	41.346	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	519	0.317	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	29586	16.844	ug/l #	60
56) Ethyl methacrylate	9.238	69	556	0.320	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3699	2.046	ug/l #	43
59) 2-Hexanone	9.482	43	53685	41.914	ug/l #	51
74) N-amyl acetate	10.817	43	807	0.381	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	36477	28.636	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	36477	74.213	ug/l #	8

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

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 02 23:01:14 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



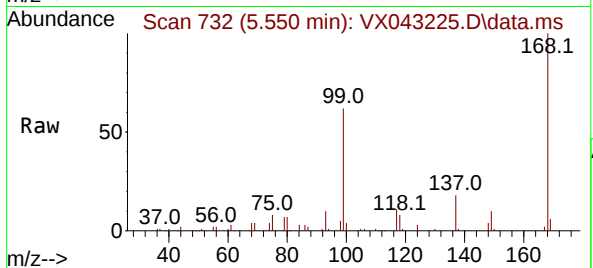


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

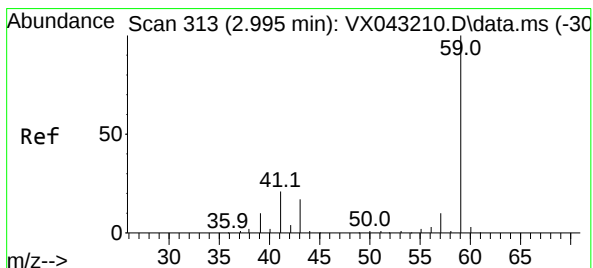
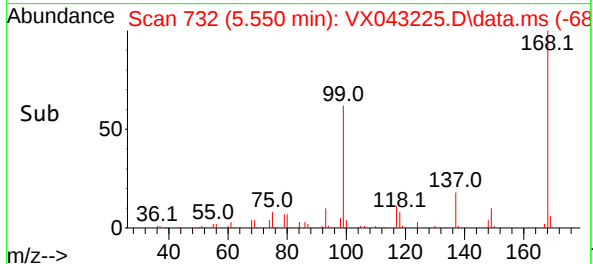
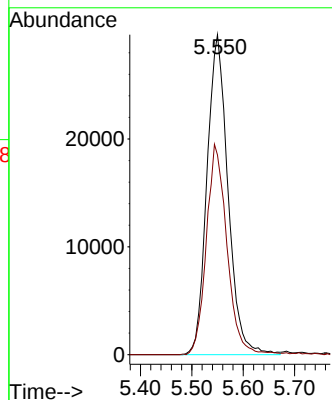
Instrument :

MSVOA_X

ClientSampleId :

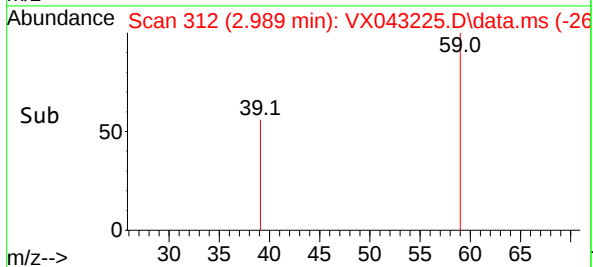
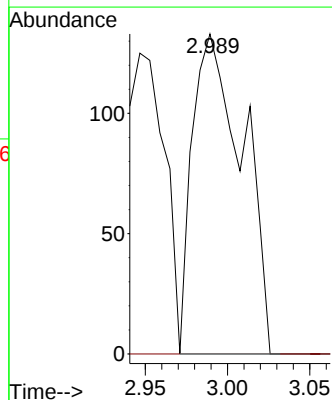
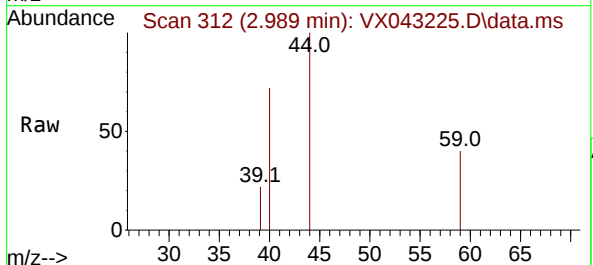


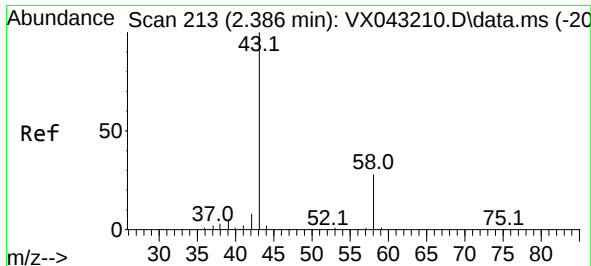
Tgt Ion:168 Resp: 84081
Ion Ratio Lower Upper
168 100
99 62.4 49.7 74.5



#11
Tert butyl alcohol
Concen: 1.083 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.006 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

Tgt Ion: 59 Resp: 283
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

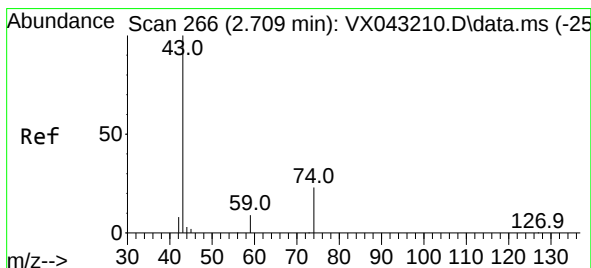
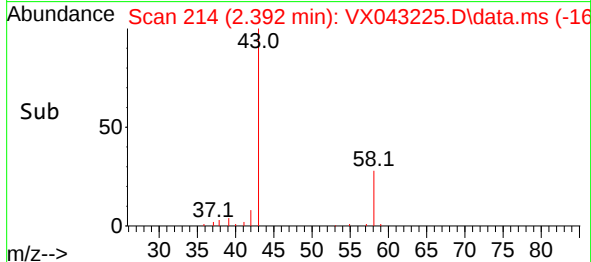
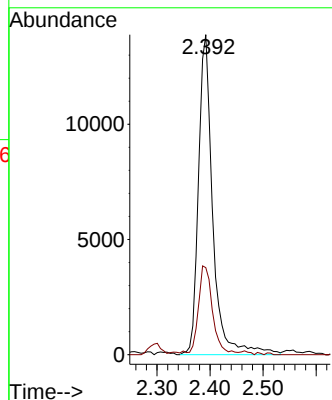
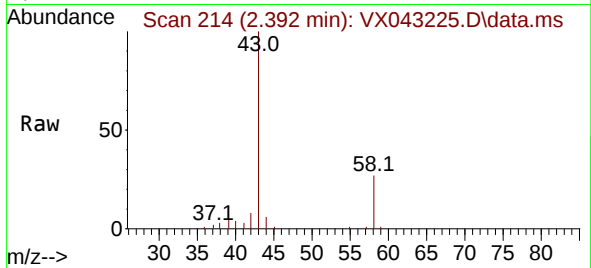




#16
Acetone
Concen: 45.387 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

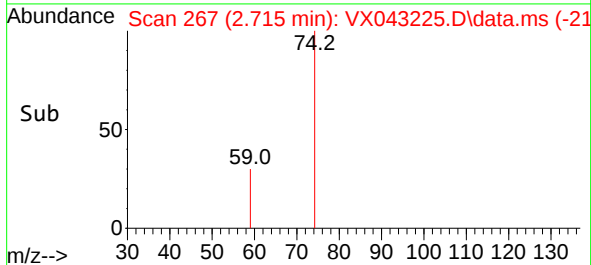
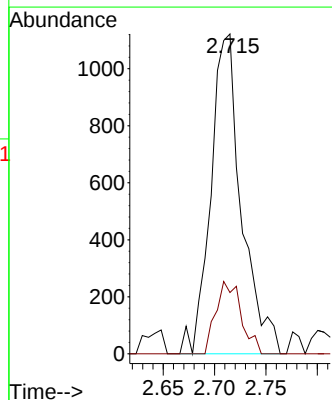
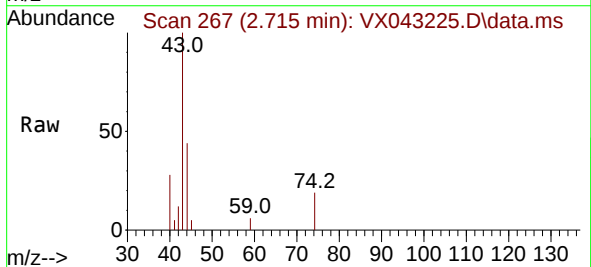
Instrument :
MSVOA_X
ClientSampleId :

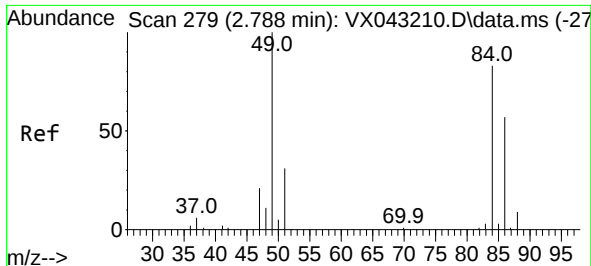
Tgt Ion: 43 Resp: 26027
Ion Ratio Lower Upper
43 100
58 27.2 22.6 33.8



#18
Methyl Acetate
Concen: 1.625 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

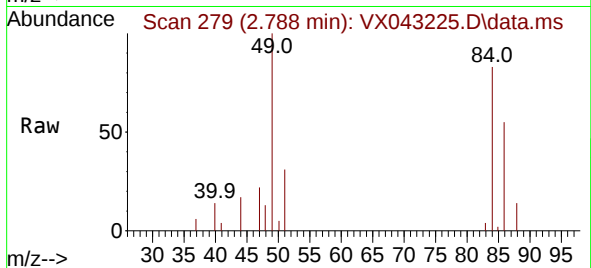
Tgt Ion: 43 Resp: 2338
Ion Ratio Lower Upper
43 100
74 18.6 19.1 28.7#



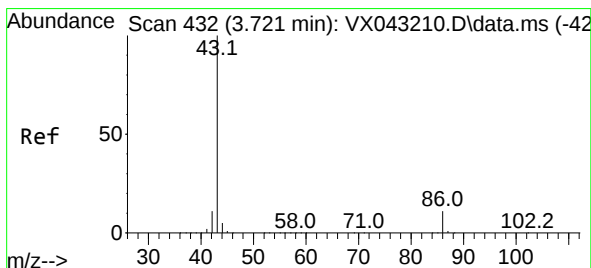
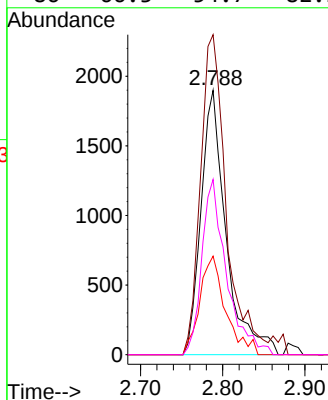
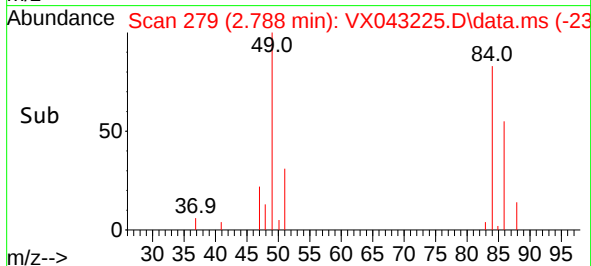


#20
Methylene Chloride
Concen: 3.816 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

Instrument :
MSVOA_X
ClientSampleId :

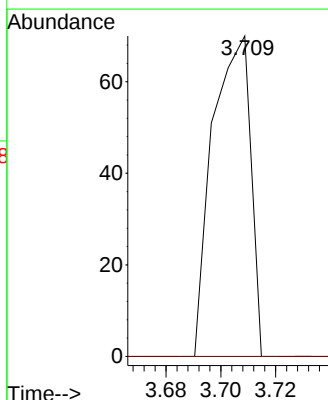
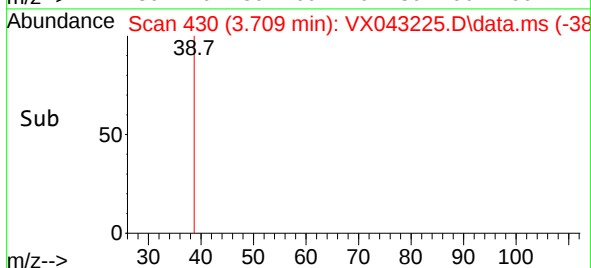
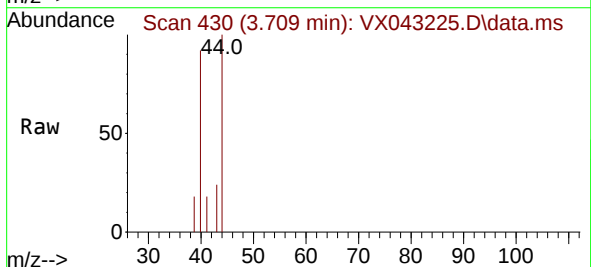


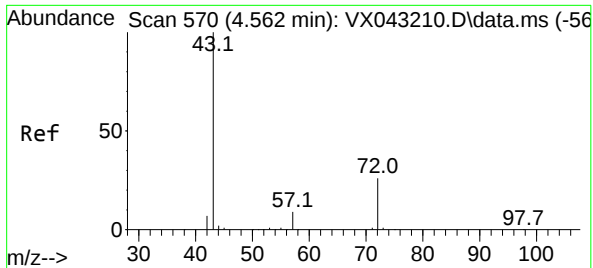
Tgt Ion:	84	Resp:	4035
Ion	Ratio	Lower	Upper
84	100		
49	121.1	96.7	145.1
51	37.3	30.4	45.6
86	66.3	54.7	82.1



#23
Vinyl Acetate
Concen: 6.358 ug/l
RT: 3.709 min Scan# 430
Delta R.T. -0.012 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

Tgt Ion:	43	Resp:	67
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.8	13.2#

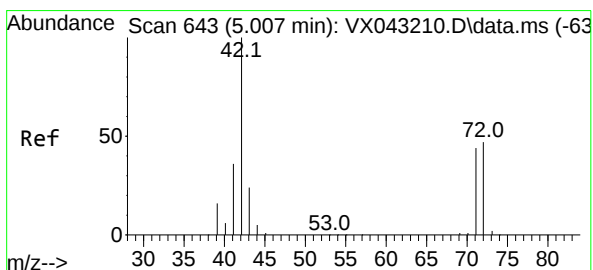
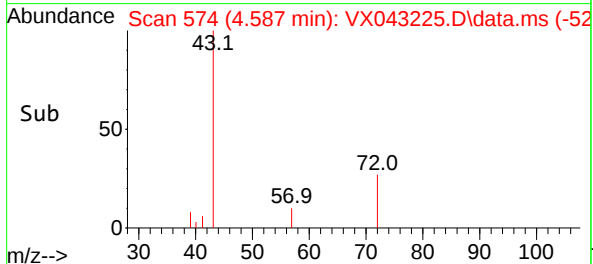
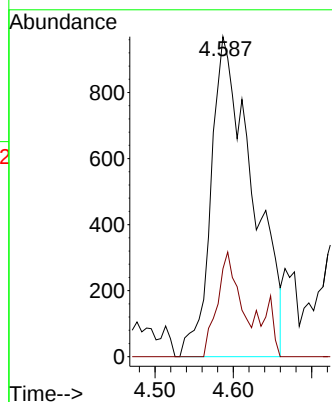
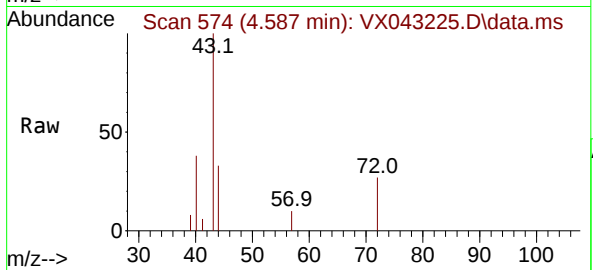




#25
2-Butanone
Concen: 4.535 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

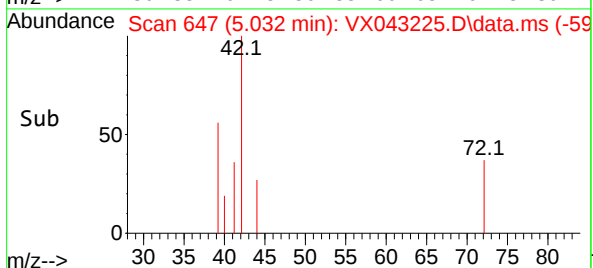
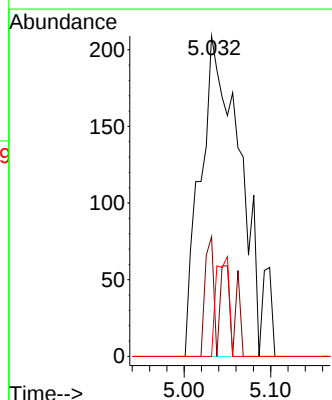
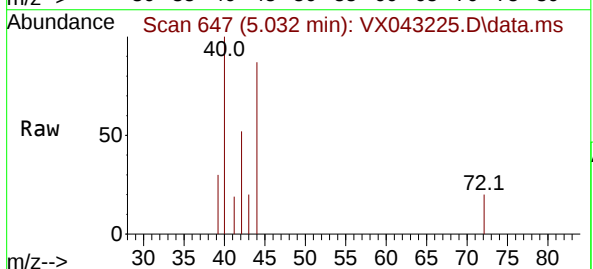
Instrument :
MSVOA_X
ClientSampleId :

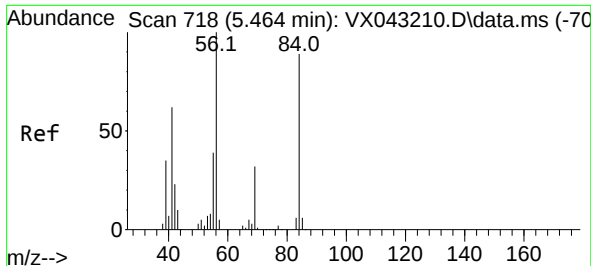
Tgt Ion: 43 Resp: 3566
Ion Ratio Lower Upper
43 100
72 27.5 20.6 31.0



#29
Tetrahydrofuran
Concen: 1.372 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

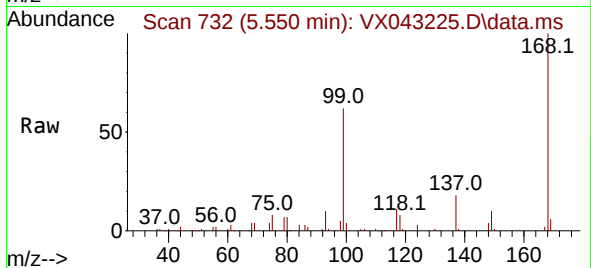
Tgt Ion: 42 Resp: 687
Ion Ratio Lower Upper
42 100
72 7.7 37.7 56.5#
71 0.0 34.6 52.0#



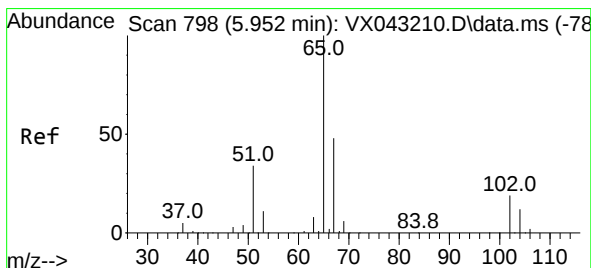
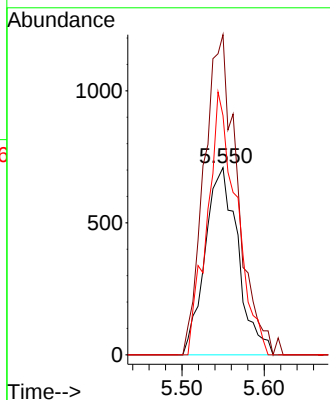
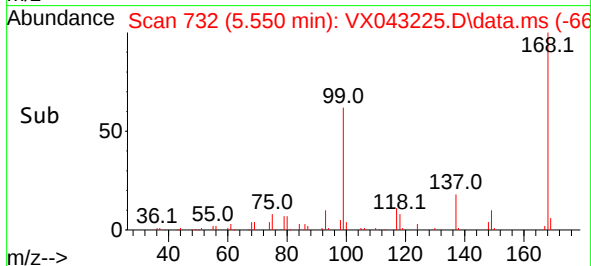


#31
Cyclohexane
Concen: 1.333 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

Instrument :
MSVOA_X
ClientSampleId :

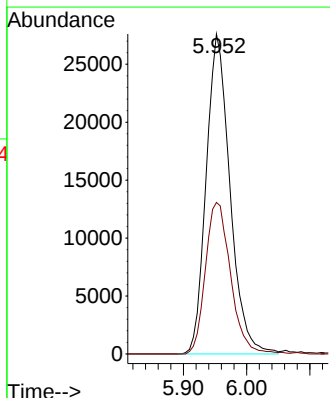
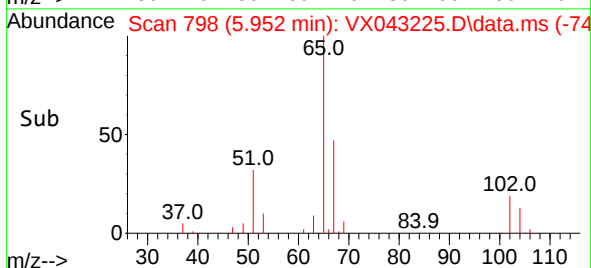
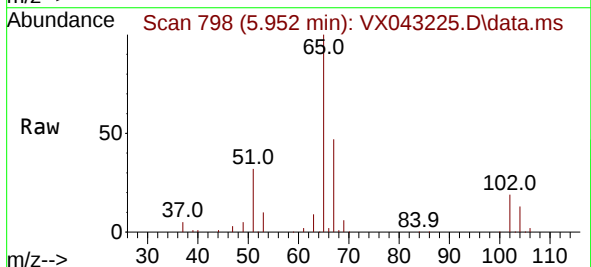


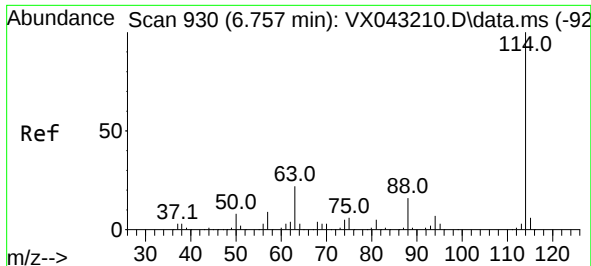
Tgt Ion: 56 Resp: 1975
Ion Ratio Lower Upper
56 100
69 171.1 25.8 38.6#
84 127.8 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 52.584 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

Tgt Ion: 65 Resp: 72207
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.0

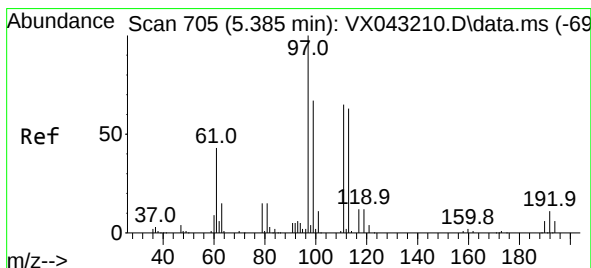
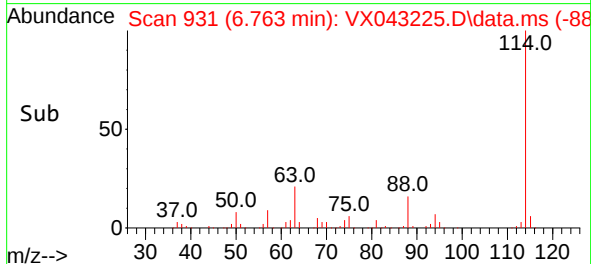
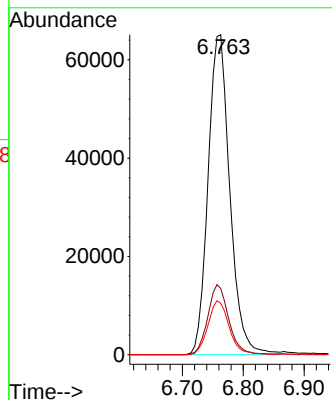
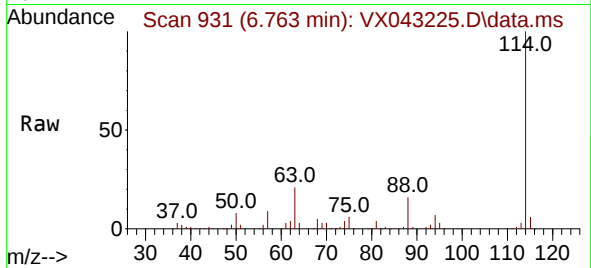




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

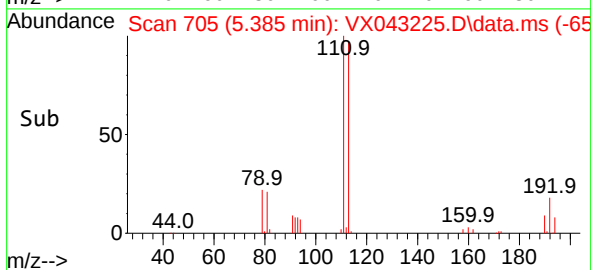
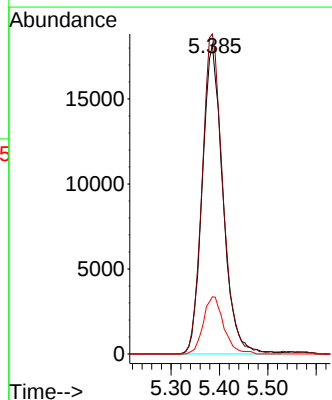
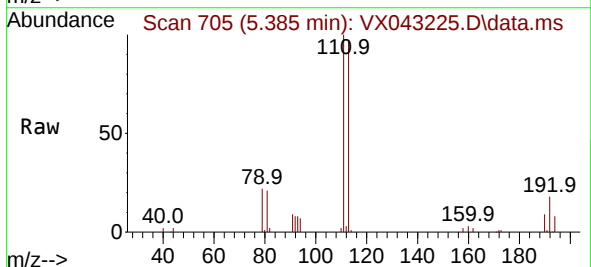
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MSVOA_X
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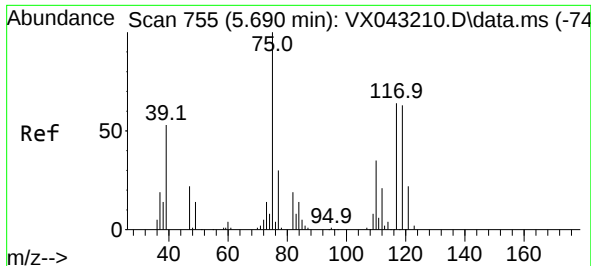
Tgt Ion:114 Resp: 161375
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.0
88 16.1 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.397 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

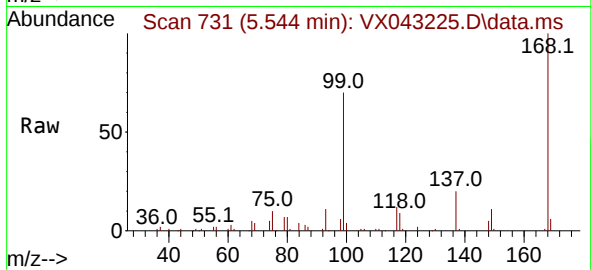
Tgt Ion:113 Resp: 53861
Ion Ratio Lower Upper
113 100
111 103.4 83.4 125.0
192 18.3 14.1 21.1



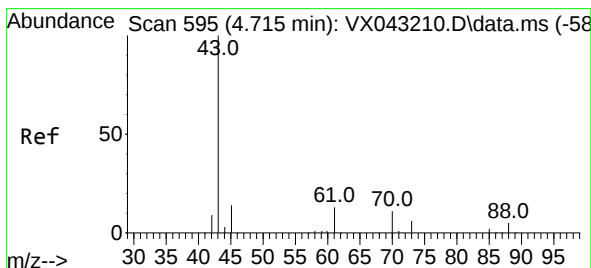
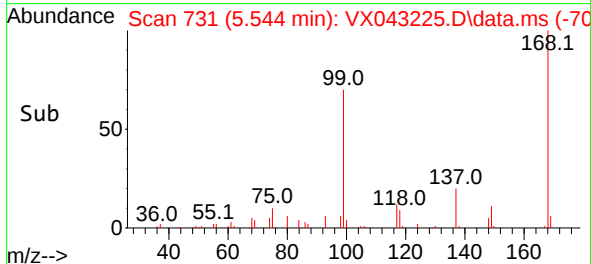
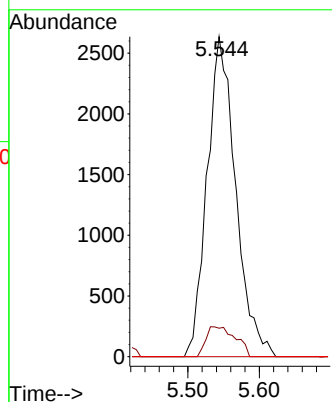


#36
1,1-Dichloropropene
Concen: 5.201 ug/l
RT: 5.544 min Scan# 713
Delta R.T. -0.146 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

Instrument :
MSVOA_X
ClientSampleId :

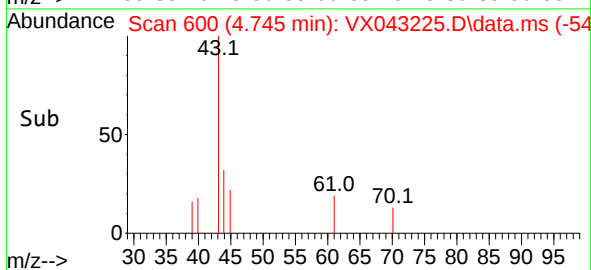
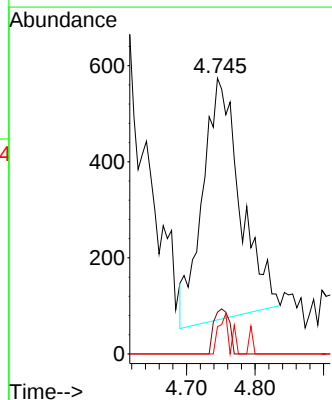
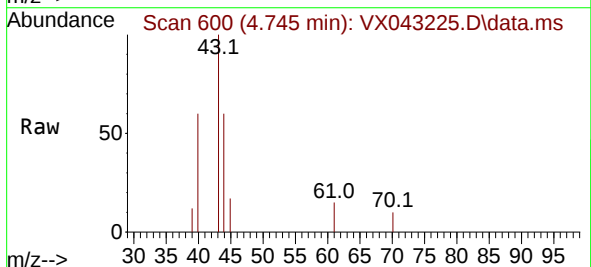


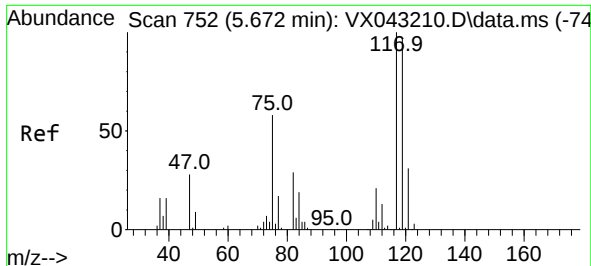
Tgt Ion: 75 Resp: 7313
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.3#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 1.138 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.031 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

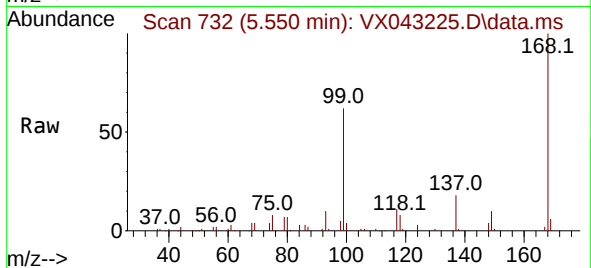
Tgt Ion: 43 Resp: 1921
Ion Ratio Lower Upper
43 100
61 7.6 11.0 16.4#
70 5.0 8.9 13.3#



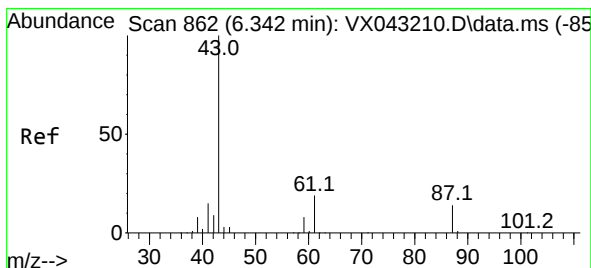
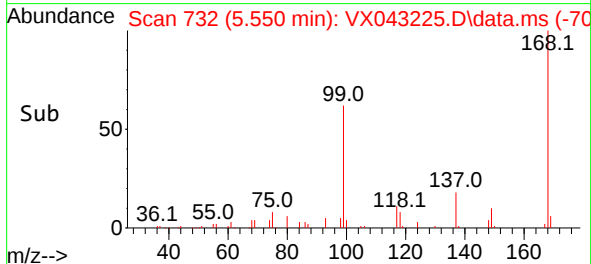
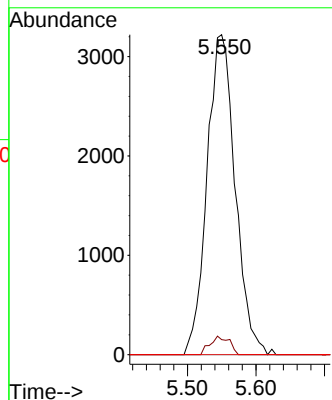


#38
Carbon Tetrachloride
Concen: 5.535 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.122 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

Instrument :
MSVOA_X
ClientSampleId :

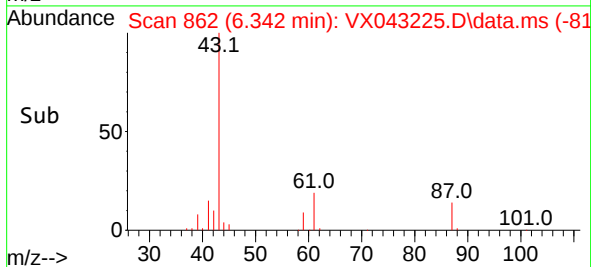
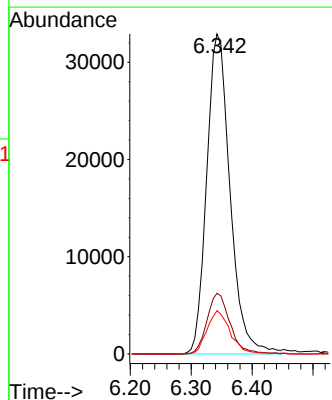
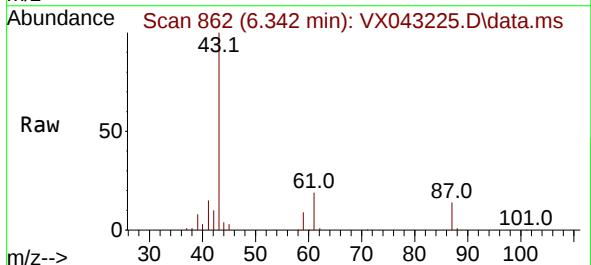


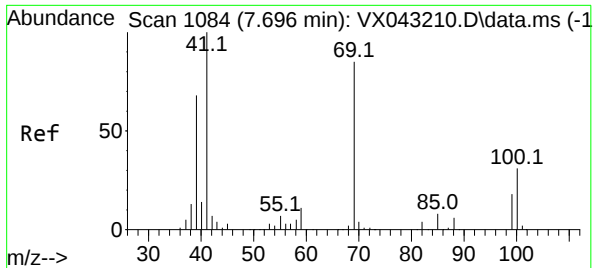
Tgt Ion:117 Resp: 9212
Ion Ratio Lower Upper
117 100
119 4.7 77.7 116.5#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 31.486 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

Tgt Ion: 43 Resp: 87806
Ion Ratio Lower Upper
43 100
61 18.7 15.1 22.7
87 13.4 10.8 16.2

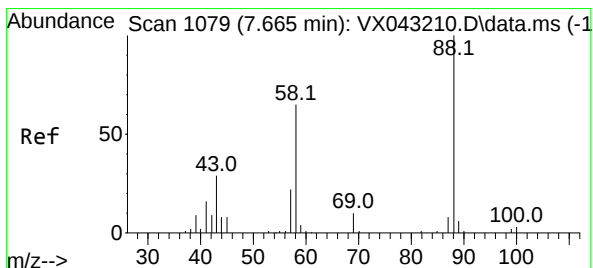
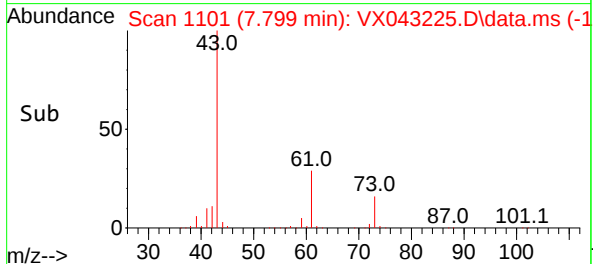
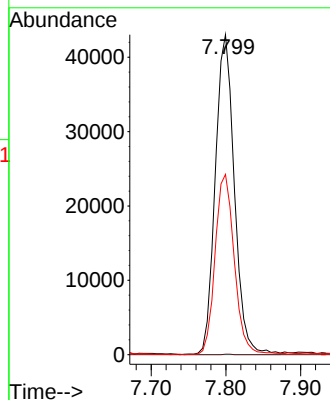
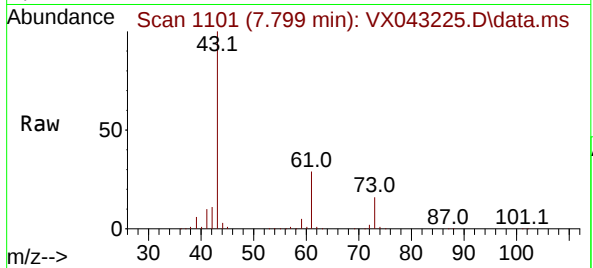




#48
Methyl methacrylate
Concen: 56.015 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

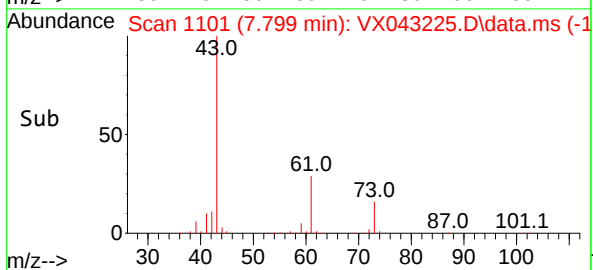
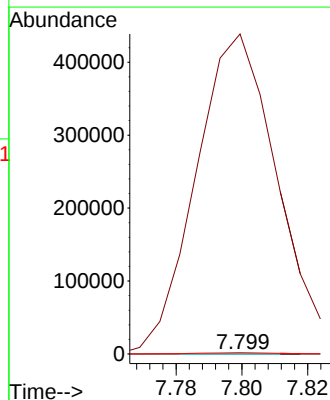
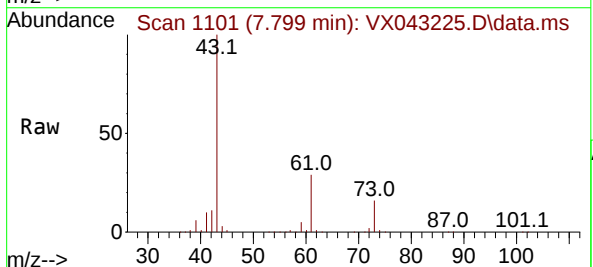
Instrument :
MSVOA_X
ClientSampleId :

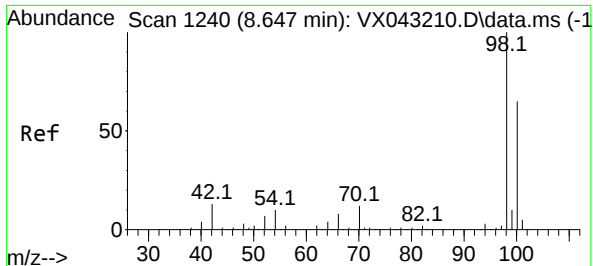
Tgt Ion: 41 Resp: 76646
Ion Ratio Lower Upper
41 100
69 0.1 64.1 96.1#
39 56.8 52.8 79.2



#49
1,4-Dioxane
Concen: 1.993 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 1460898.1 29.5 44.3#
58 5690.6 55.2 82.8#

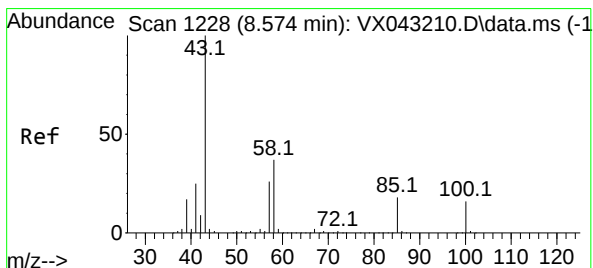
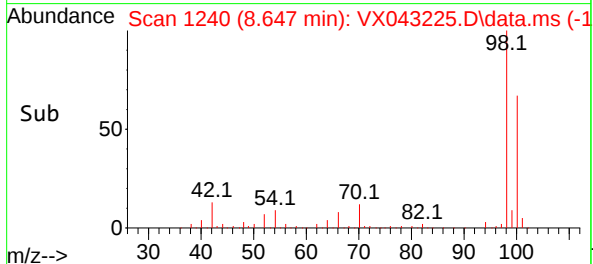
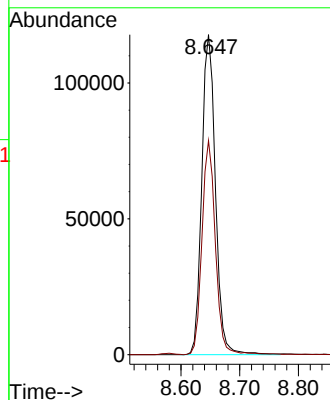
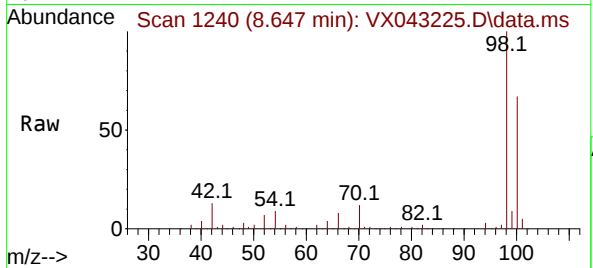




#50
Toluene-d8
Concen: 49.260 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

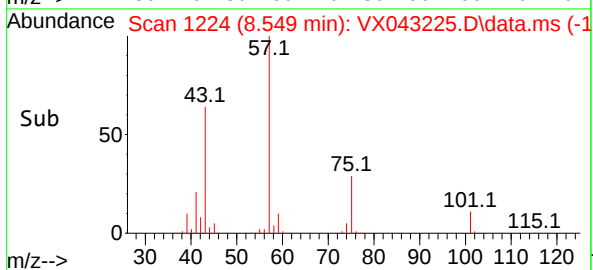
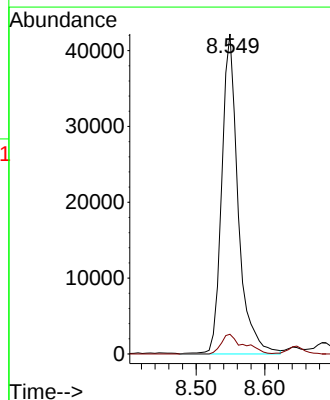
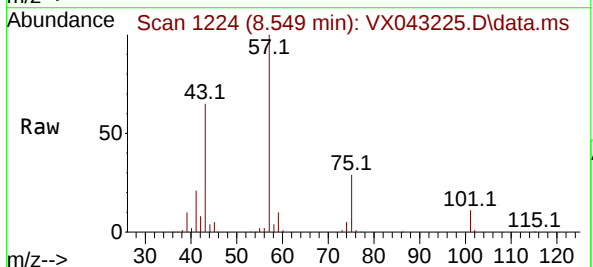
Instrument :
MSVOA_X
ClientSampleId :

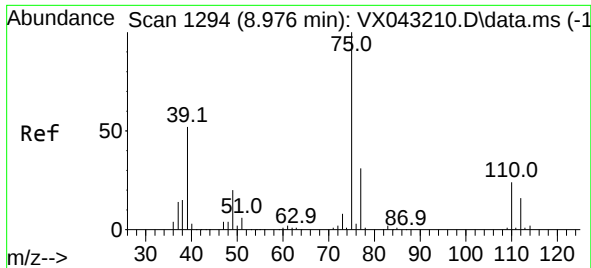
Tgt Ion: 98 Resp: 189983
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 41.346 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

Tgt Ion: 43 Resp: 70029
Ion Ratio Lower Upper
43 100
58 8.3 30.0 45.0#

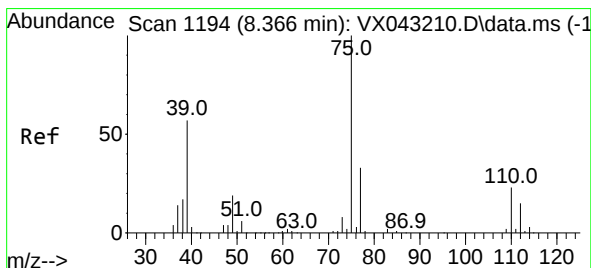
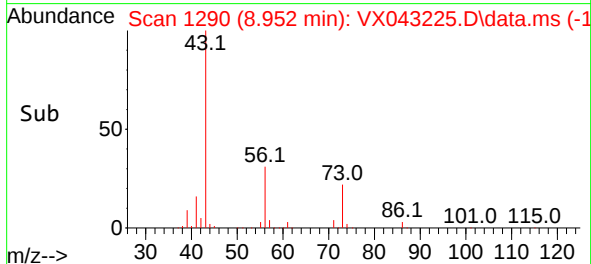
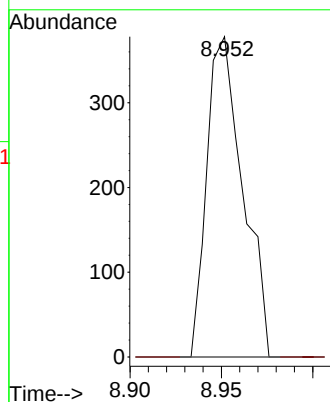
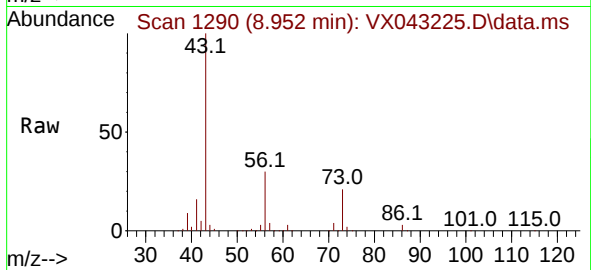




#53
 t-1,3-Dichloropropene
 Concen: 0.317 ug/l
 RT: 8.952 min Scan# 1119
 Delta R.T. -0.024 min
 Lab File: VX043225.D
 Acq: 02 Oct 2024 12:43

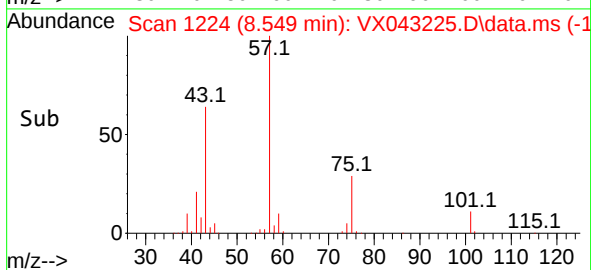
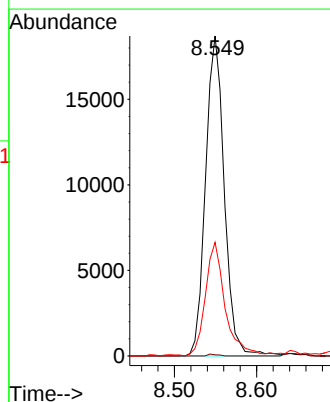
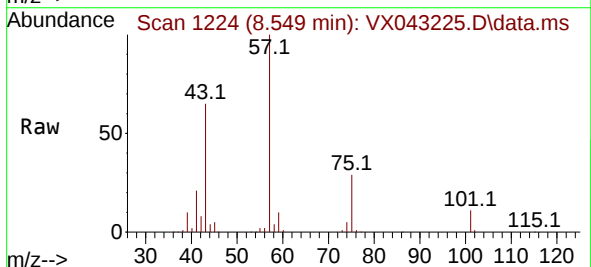
Instrument :
 MSVOA_X
 ClientSampleId :

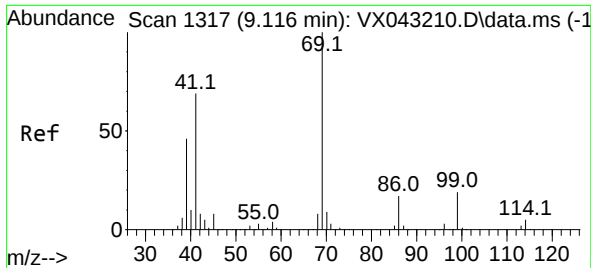
Tgt Ion: 75 Resp: 519
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#



#54
 cis-1,3-Dichloropropene
 Concen: 16.844 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX043225.D
 Acq: 02 Oct 2024 12:43

Tgt Ion: 75 Resp: 29586
 Ion Ratio Lower Upper
 75 100
 77 0.3 26.0 39.0#
 39 35.2 45.8 68.8#

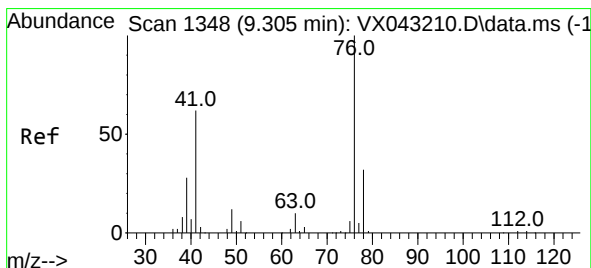
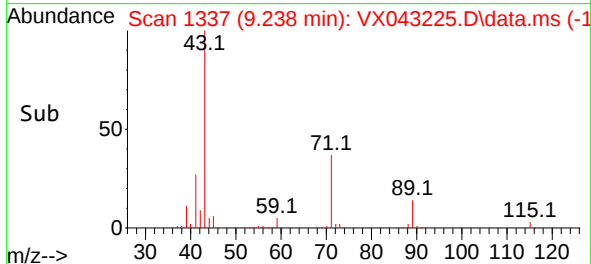
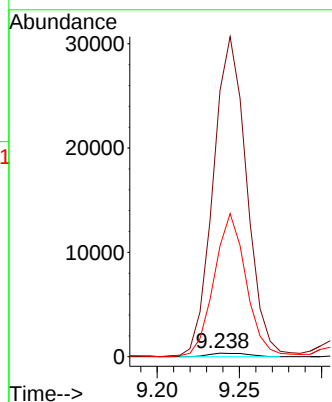
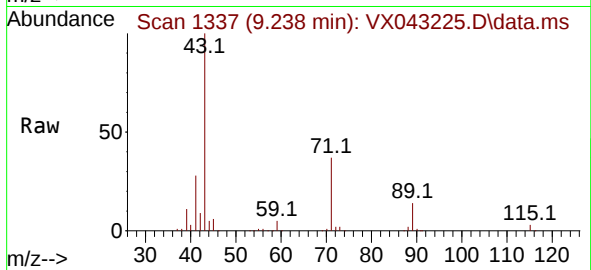




#56
Ethyl methacrylate
Concen: 0.320 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.122 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

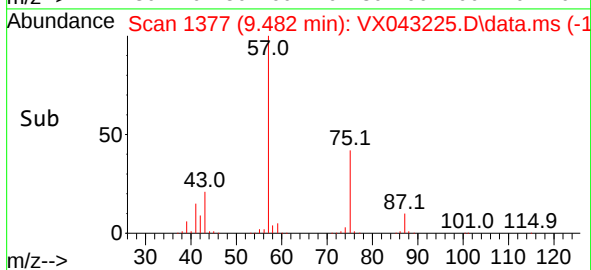
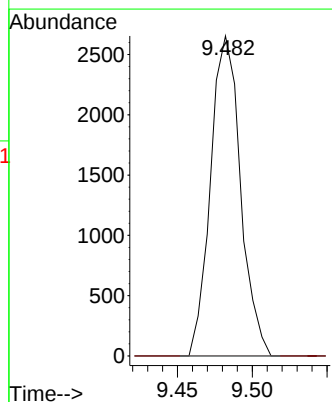
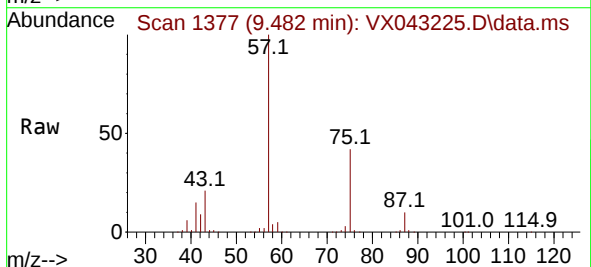
Instrument :
MSVOA_X
ClientSampleId :

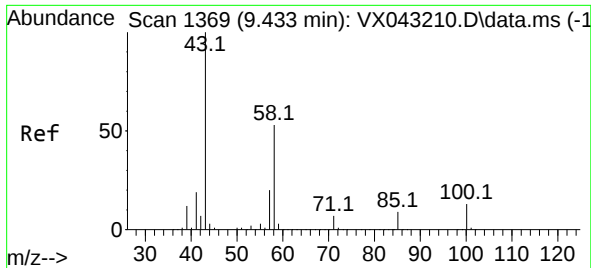
Tgt Ion: 69 Resp: 556
Ion Ratio Lower Upper
69 100
41 7857.0 56.1 84.1#
39 3375.7 36.4 54.6#



#57
1,3-Dichloropropane
Concen: 2.046 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

Tgt Ion: 76 Resp: 3699
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

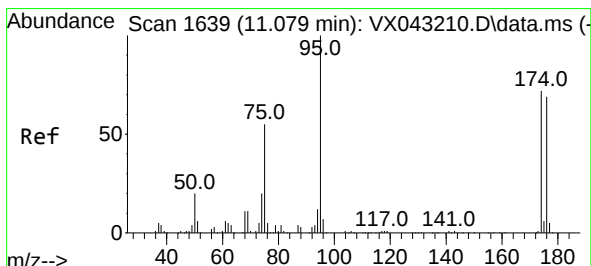
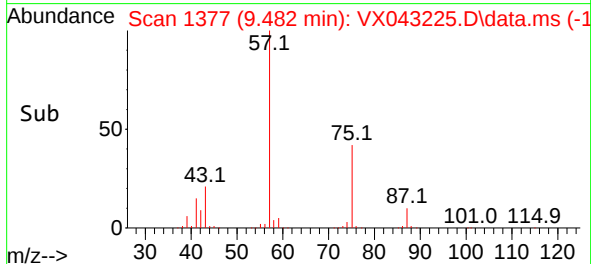
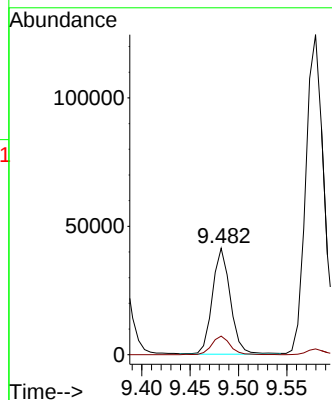
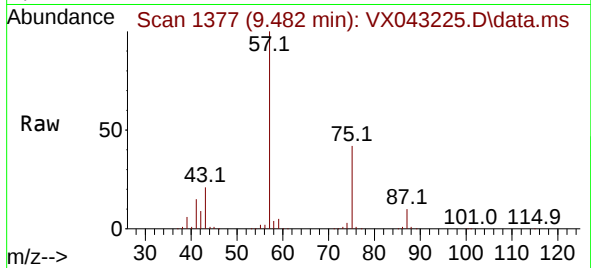




#59
2-Hexanone
Concen: 41.914 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

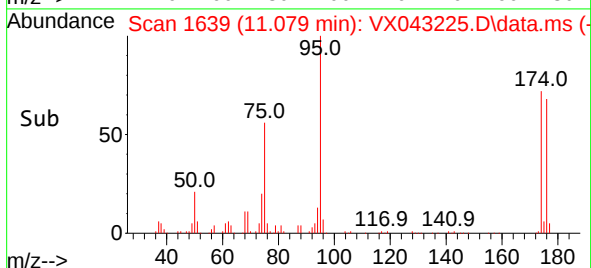
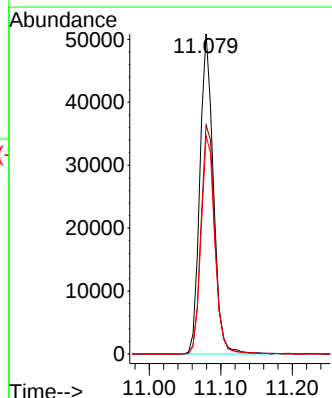
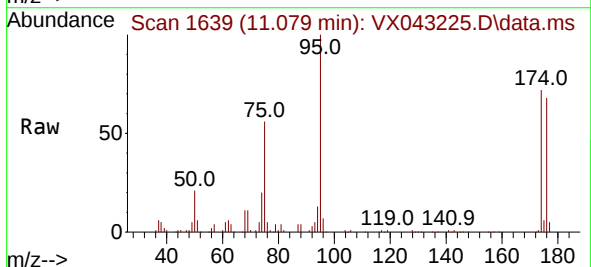
Instrument :
MSVOA_X
ClientSampleId :

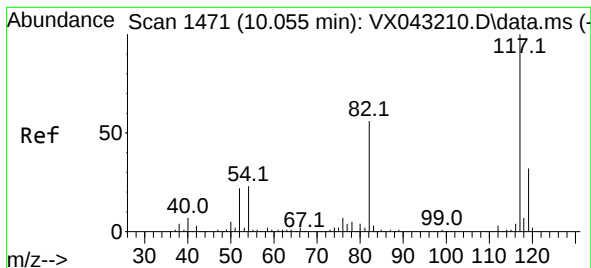
Tgt Ion: 43 Resp: 53685
Ion Ratio Lower Upper
43 100
58 18.0 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 47.558 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

Tgt Ion: 95 Resp: 66635
Ion Ratio Lower Upper
95 100
174 73.6 0.0 145.0
176 69.4 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: VX043225.D

Acq: 02 Oct 2024 12:43

Instrument :

MSVOA_X

ClientSampleId :

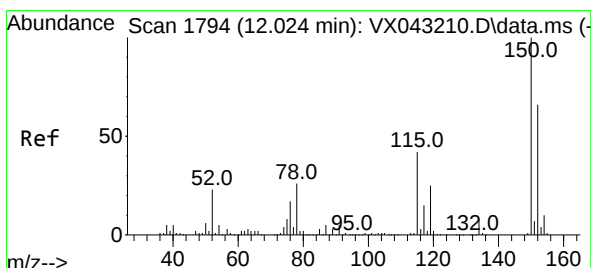
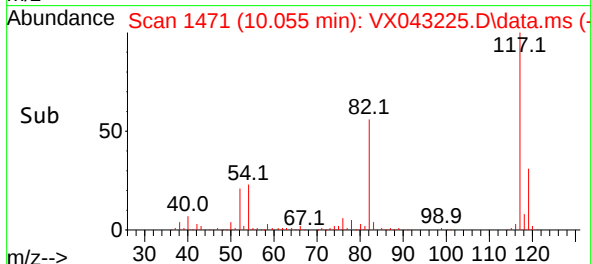
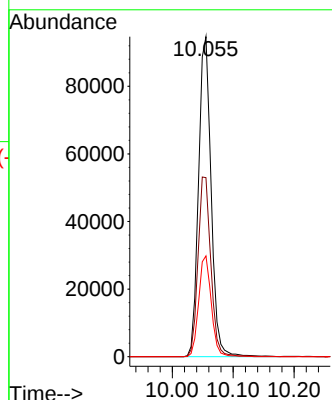
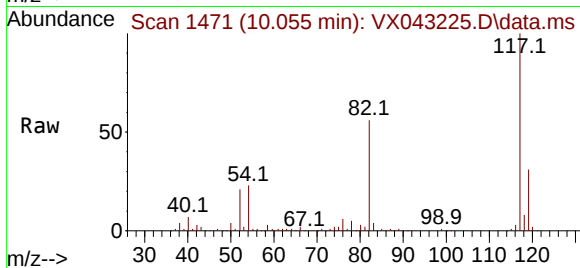
Tgt Ion:117 Resp: 135591

Ion Ratio Lower Upper

117 100

82 56.0 45.0 67.6

119 31.5 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: VX043225.D

Acq: 02 Oct 2024 12:43

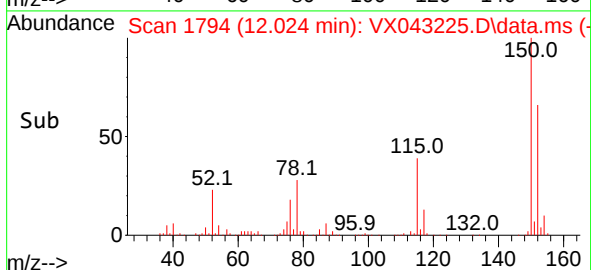
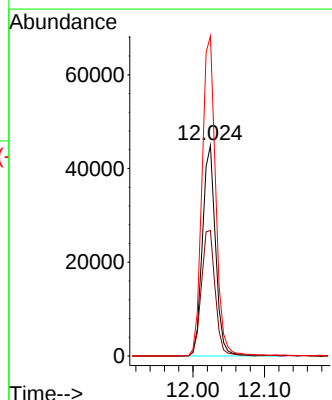
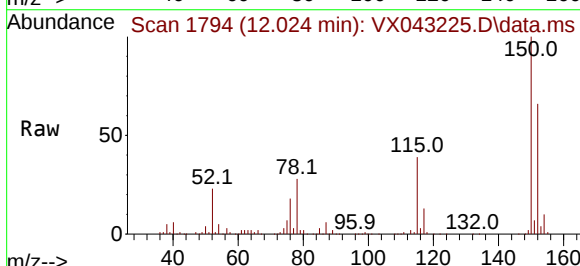
Tgt Ion:152 Resp: 57429

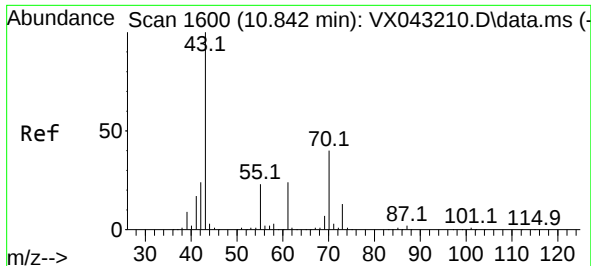
Ion Ratio Lower Upper

152 100

115 62.6 44.1 132.3

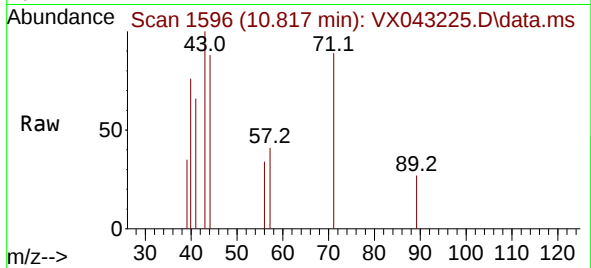
150 157.1 0.0 347.4



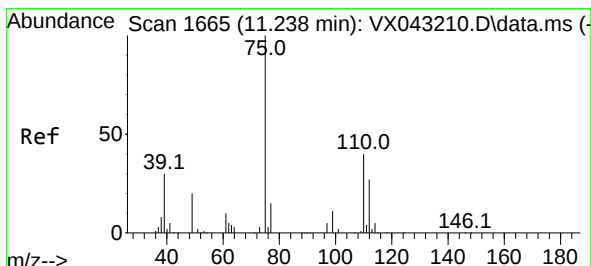
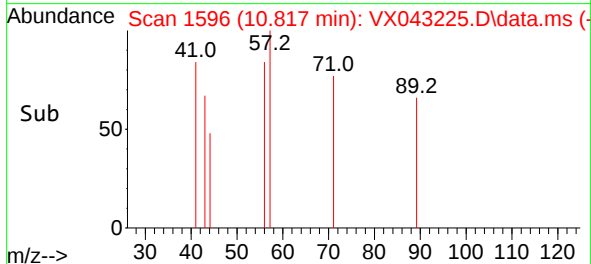
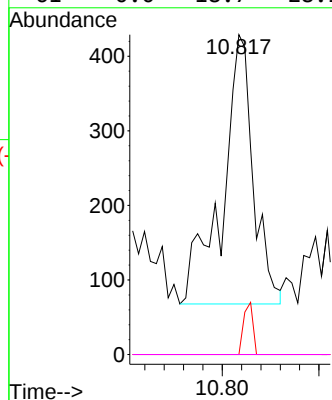


#74
N-amy1 acetate
Concen: 0.381 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

Instrument :
MSVOA_X
ClientSampleId :

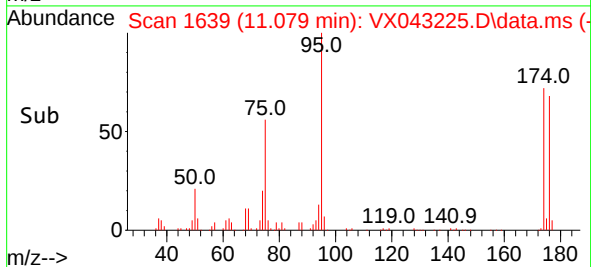
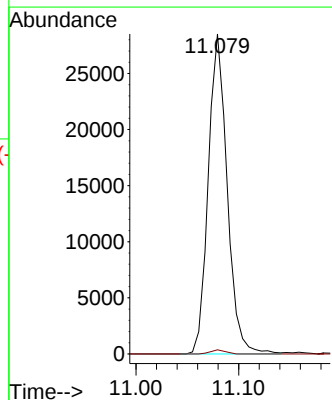
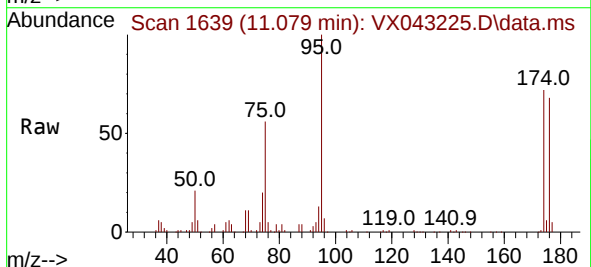


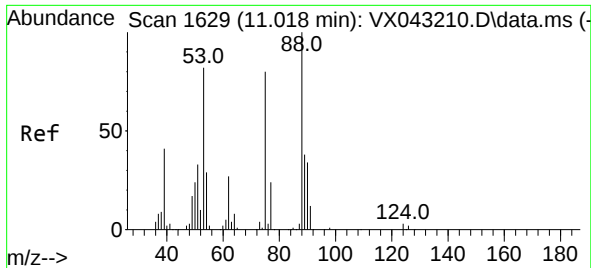
Tgt Ion: 43	Resp: 807
Ion Ratio	Lower Upper
43 100	
70 0.0	33.1 49.7#
55 5.7	18.6 27.8#
61 0.0	18.7 28.1#



#76
1,2,3-Trichloropropane
Concen: 28.636 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043225.D
Acq: 02 Oct 2024 12:43

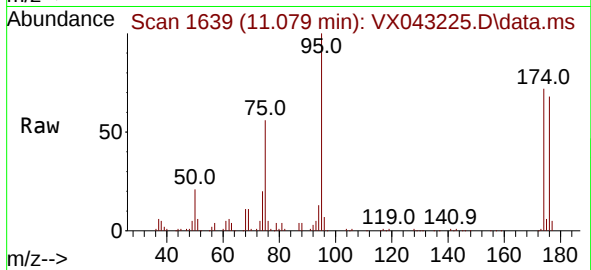
Tgt Ion: 75	Resp: 36477
Ion Ratio	Lower Upper
75 100	
77 1.0	22.0 66.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.213 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043225.D
 Acq: 02 Oct 2024 12:43

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 36477
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.9 125.9#
 89 0.0 38.6 58.0#

