

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100224\
 Data File : VX043223.D
 Acq On : 02 Oct 2024 11:57
 Operator : JC/MD
 Sample : PB163826ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 23:00:24 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)

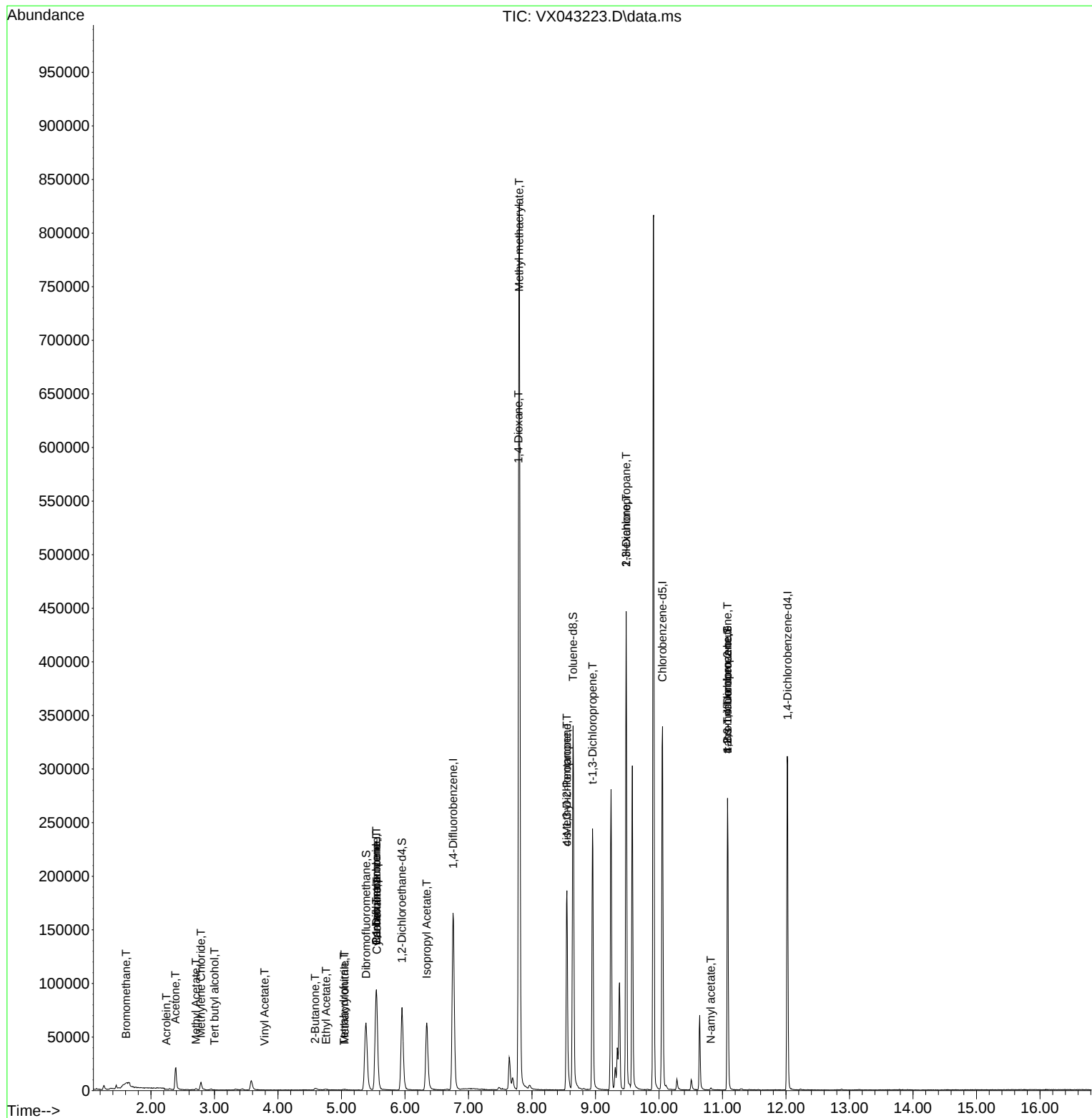
Internal Standards						
1) Pentafluorobenzene	5.550	168	85304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	166239	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	145164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75037	53.862	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.720%			
35) Dibromofluoromethane	5.385	113	55388	48.313	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.620%			
50) Toluene-d8	8.647	98	200832	50.549	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.100%			
62) 4-Bromofluorobenzene	11.079	95	71598	49.605	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.220%			
Target Compounds						Qvalue
5) Bromomethane	1.605	94	231	0.552	ug/l #	68
11) Tert butyl alcohol	3.002	59	265	1.000	ug/l #	71
13) Acrolein	2.239	56	92	0.367	ug/l #	1
16) Acetone	2.386	43	25365	43.598	ug/l	94
18) Methyl Acetate	2.709	43	1555	1.065	ug/l	91
20) Methylene Chloride	2.788	84	3646	3.399	ug/l	95
23) Vinyl Acetate	3.788	43	22	6.345	ug/l #	71
25) 2-Butanone	4.587	43	3288	4.122	ug/l	95
29) Tetrahydrofuran	5.038	42	680	1.338	ug/l #	58
31) Cyclohexane	5.556	56	2025	1.347	ug/l #	39
36) 1,1-Dichloropropene	5.550	75	7143	4.932	ug/l #	51
37) Ethyl Acetate	4.757	43	1683	0.968	ug/l #	70
38) Carbon Tetrachloride	5.550	117	9405	5.485	ug/l #	15
41) Methacrylonitrile	5.050	41	525	0.580	ug/l #	33
43) Isopropyl Acetate	6.342	43	89195	31.048	ug/l	100
48) Methyl methacrylate	7.799	41	77915	55.276	ug/l #	44
49) 1,4-Dioxane	7.787	88	66	2.409	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	70031	40.137	ug/l #	47
53) t-1,3-Dichloropropene	8.952	75	545	0.323	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	29591	16.354	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	3920	2.104	ug/l #	43
59) 2-Hexanone	9.482	43	54218	41.092	ug/l #	51
74) N-amyl acetate	10.817	43	691	0.293	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	40313	28.425	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	40313	73.667	ug/l #	8

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100224\
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 02 23:00:24 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



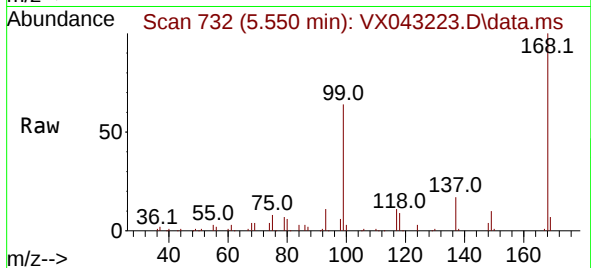


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

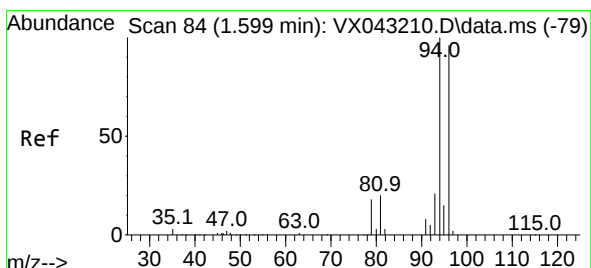
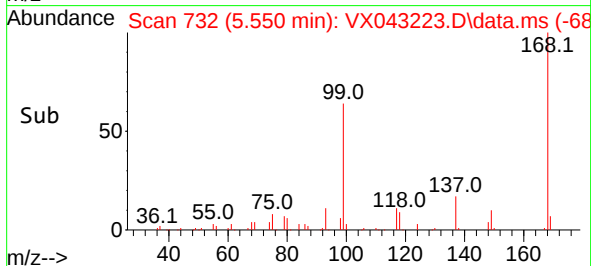
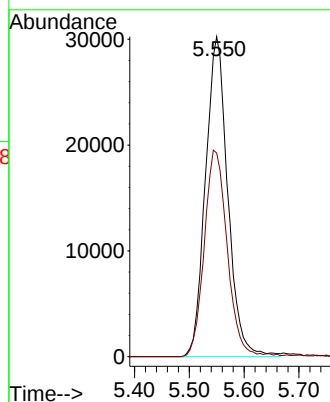
Instrument :

MSVOA_X

ClientSampleId :

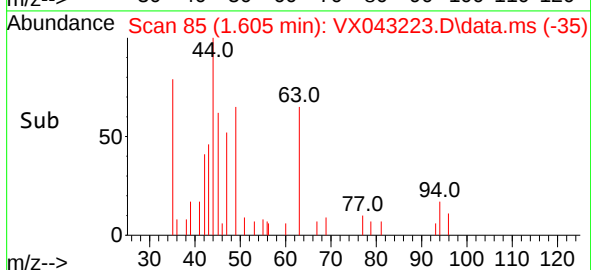
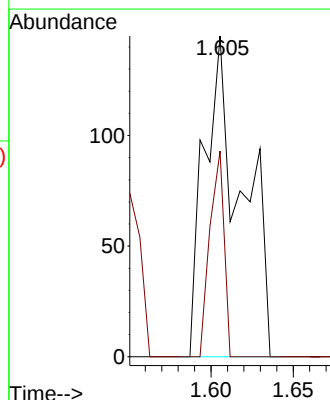
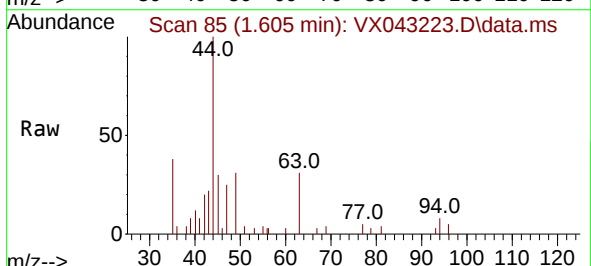


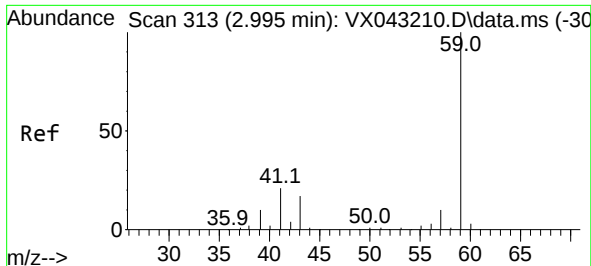
Tgt Ion:168 Resp: 85304
Ion Ratio Lower Upper
168 100
99 63.6 49.7 74.5



#5
Bromomethane
Concen: 0.552 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

Tgt Ion: 94 Resp: 231
Ion Ratio Lower Upper
94 100
96 64.1 76.6 115.0#





#11

Tert butyl alcohol

Concen: 1.000 ug/l

RT: 3.002 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX043223.D

Acq: 02 Oct 2024 11:57

Instrument :

MSVOA_X

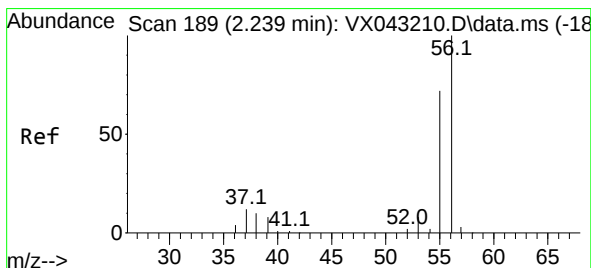
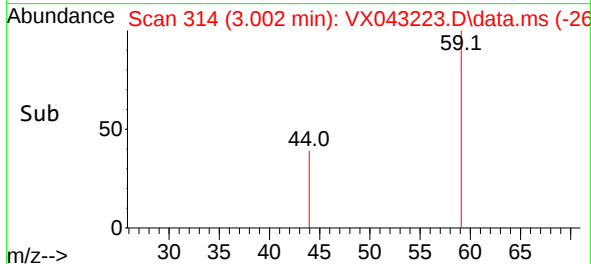
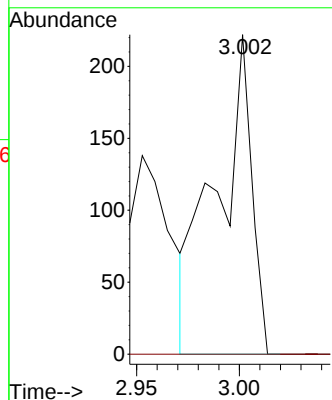
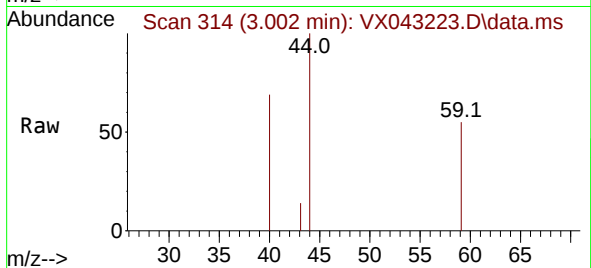
ClientSampleId :

Tgt Ion: 59 Resp: 265

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#13

Acrolein

Concen: 0.367 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX043223.D

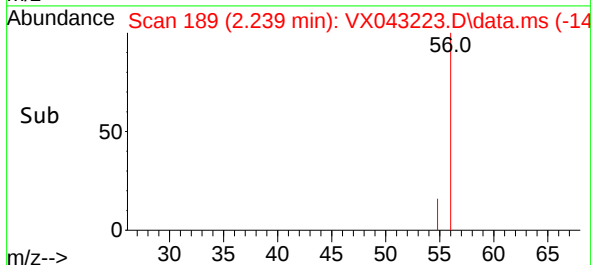
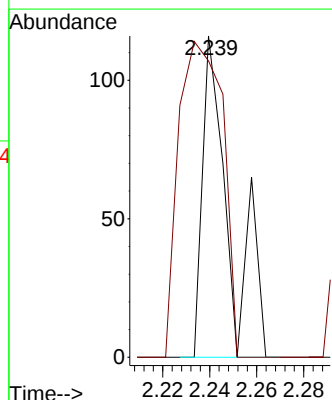
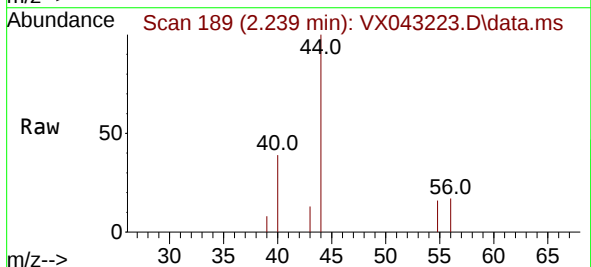
Acq: 02 Oct 2024 11:57

Tgt Ion: 56 Resp: 92

Ion Ratio Lower Upper

56 100

55 162.0 57.4 86.0#

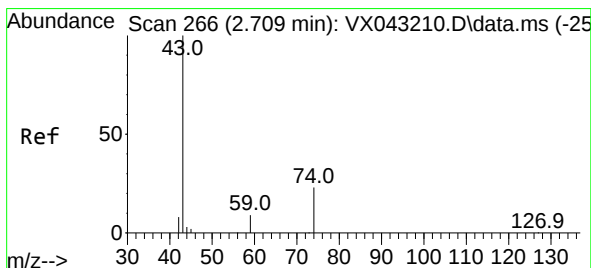
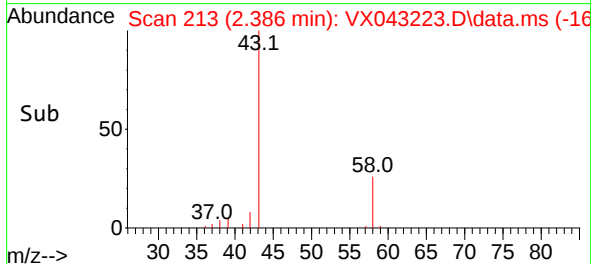
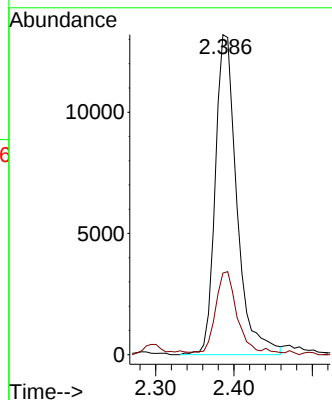
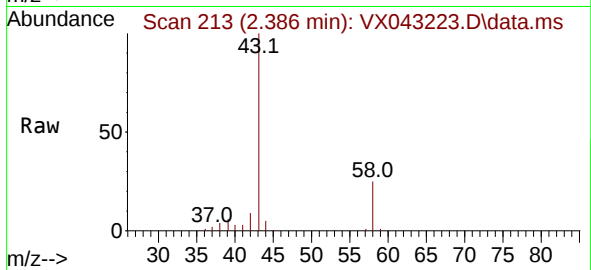




#16
Acetone
Concen: 43.598 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

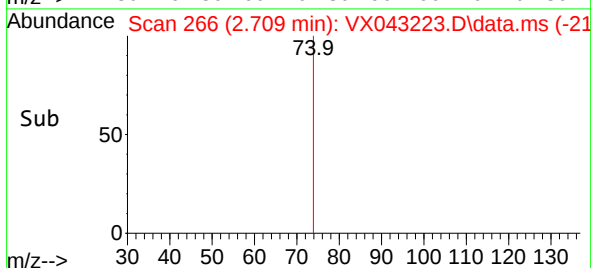
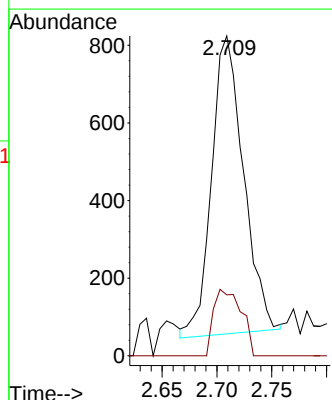
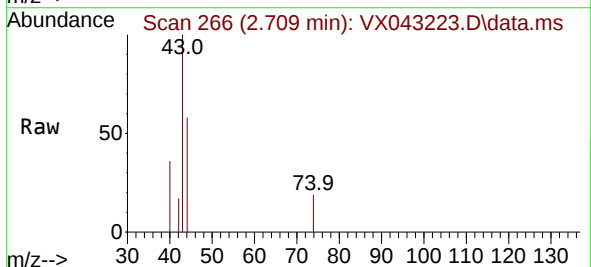
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 25365
Ion Ratio Lower Upper
43 100
58 24.8 22.6 33.8



#18
Methyl Acetate
Concen: 1.065 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

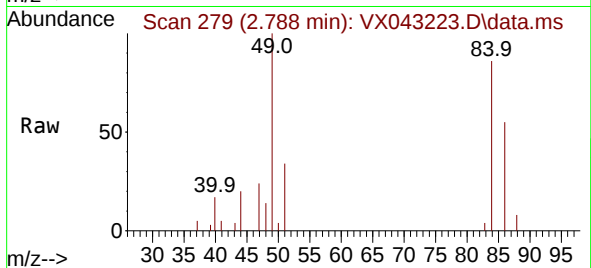
Tgt Ion: 43 Resp: 1555
Ion Ratio Lower Upper
43 100
74 19.4 19.1 28.7



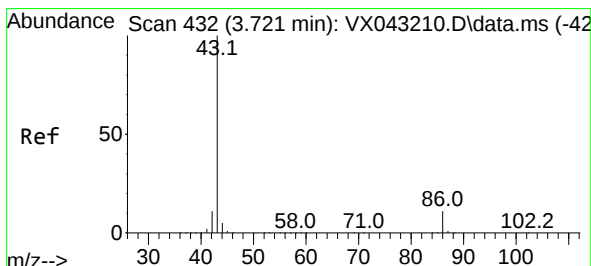
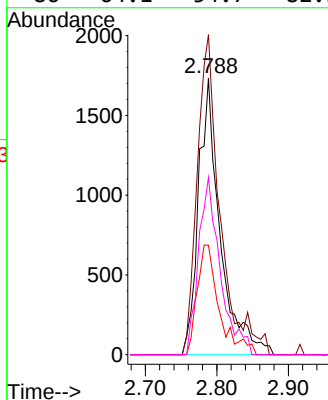
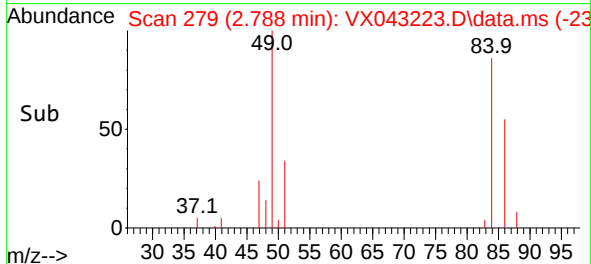


#20
Methylene Chloride
Concen: 3.399 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

Instrument :
MSVOA_X
ClientSampleId :

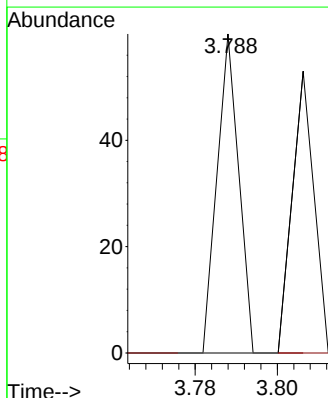
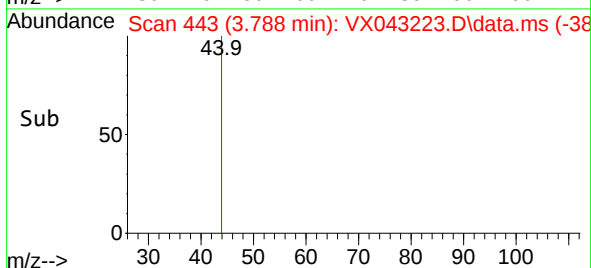
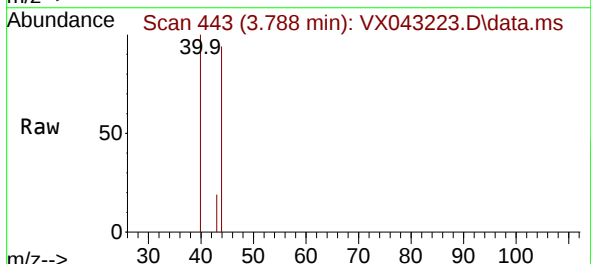


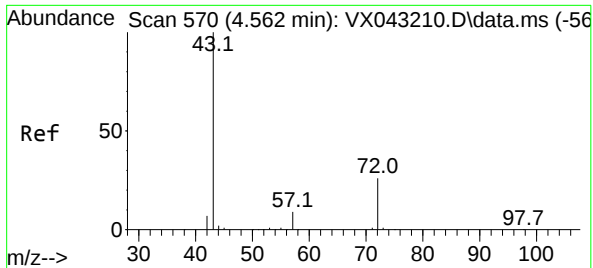
Tgt Ion: 84	Resp: 3646
Ion Ratio	Lower Upper
84 100	
49 115.7	96.7 145.1
51 39.6	30.4 45.6
86 64.1	54.7 82.1



#23
Vinyl Acetate
Concen: 6.345 ug/l
RT: 3.788 min Scan# 443
Delta R.T. 0.067 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

Tgt Ion: 43	Resp: 22
Ion Ratio	Lower Upper
43 100	
86 0.0	8.8 13.2#





#25

2-Butanone

Concen: 4.122 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX043223.D

Acq: 02 Oct 2024 11:57

Instrument :

MSVOA_X

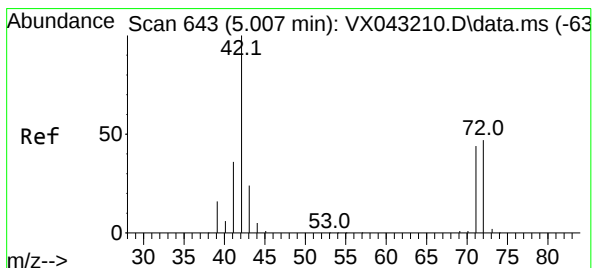
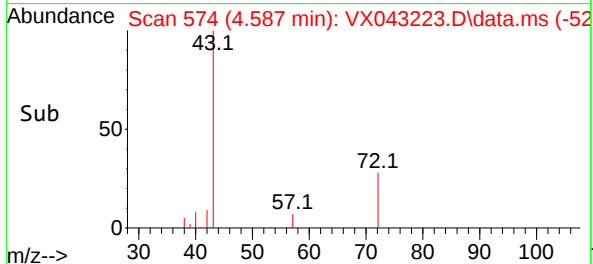
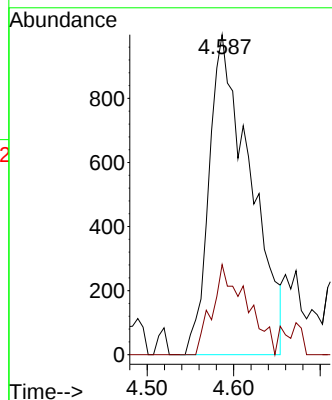
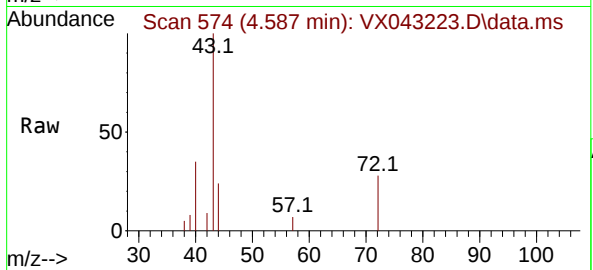
ClientSampleId :

Tgt Ion: 43 Resp: 3288

Ion Ratio Lower Upper

43 100

72 28.1 20.6 31.0



#29

Tetrahydrofuran

Concen: 1.338 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.031 min

Lab File: VX043223.D

Acq: 02 Oct 2024 11:57

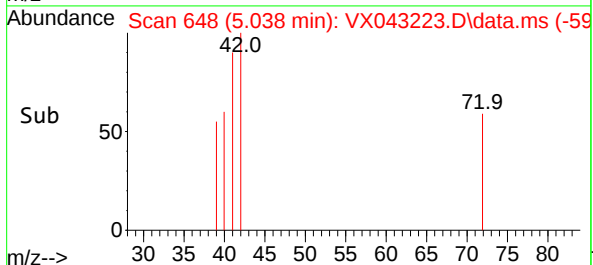
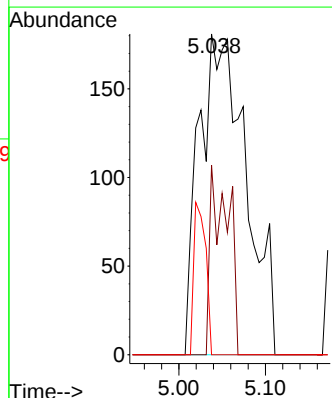
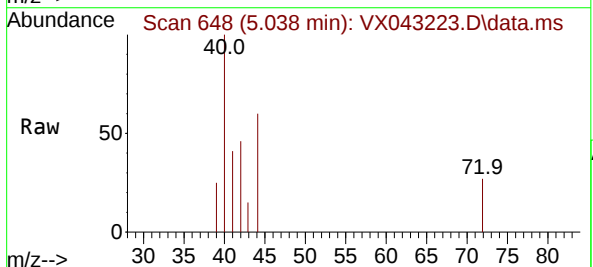
Tgt Ion: 42 Resp: 680

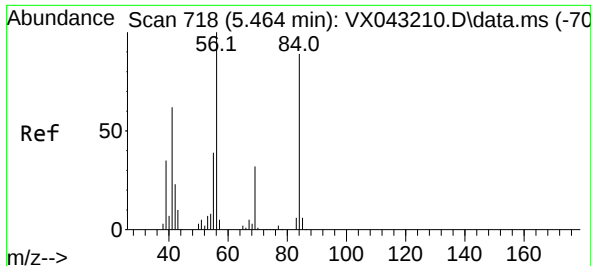
Ion Ratio Lower Upper

42 100

72 22.8 37.7 56.5#

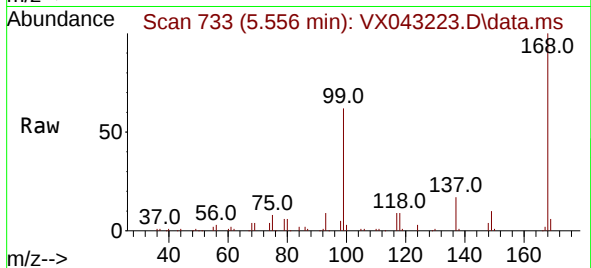
71 12.1 34.6 52.0#



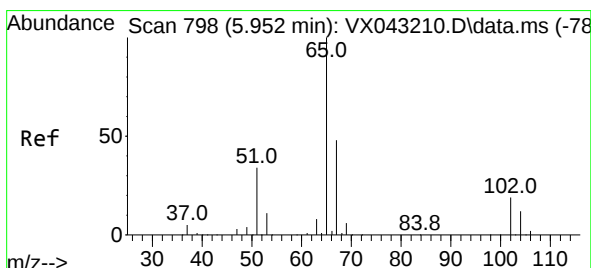
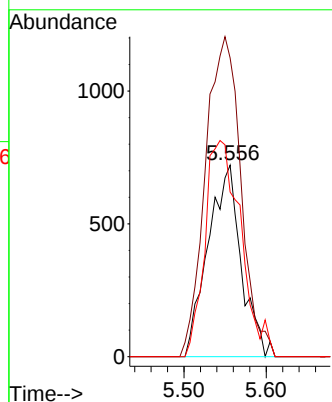
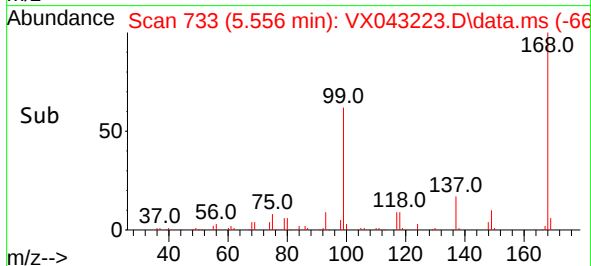


#31
Cyclohexane
Concen: 1.347 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

Instrument :
MSVOA_X
ClientSampleId :

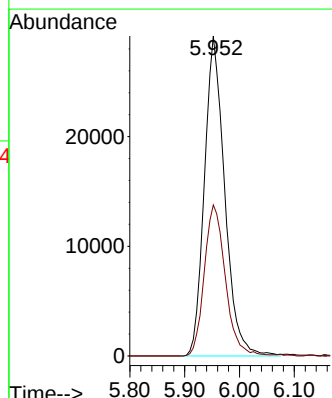
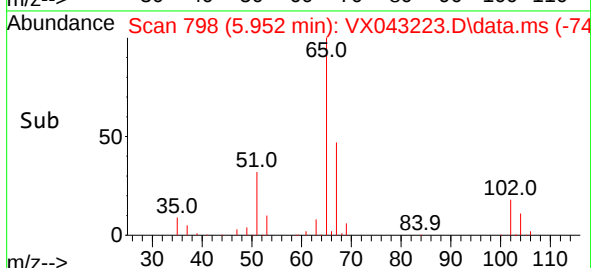
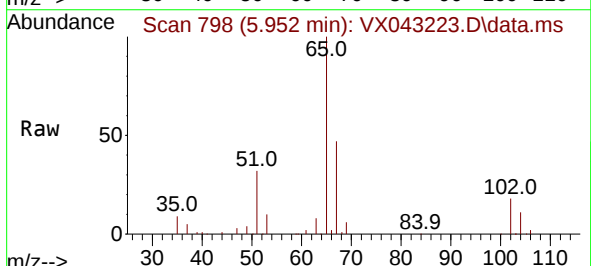


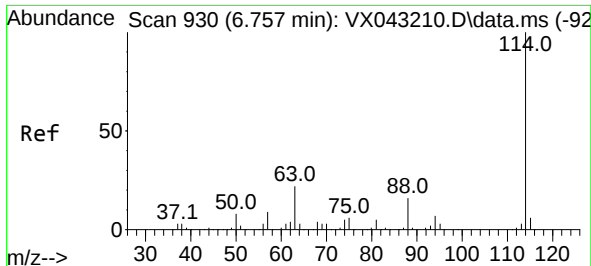
Tgt Ion: 56 Resp: 2025
Ion Ratio Lower Upper
56 100
69 156.0 25.8 38.6#
84 86.0 71.1 106.7



#33
1,2-Dichloroethane-d4
Concen: 53.862 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

Tgt Ion: 65 Resp: 75037
Ion Ratio Lower Upper
65 100
67 48.9 0.0 99.0

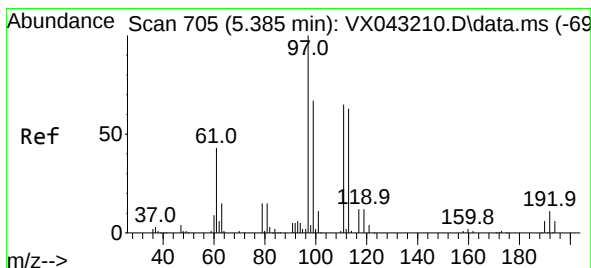
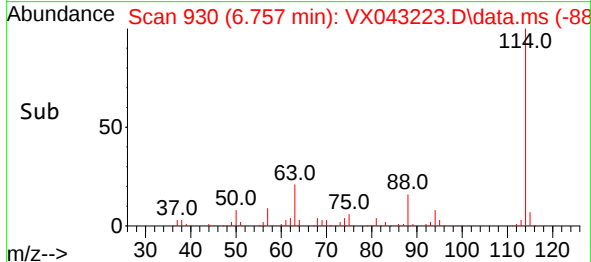
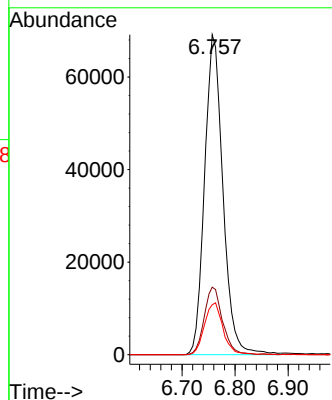
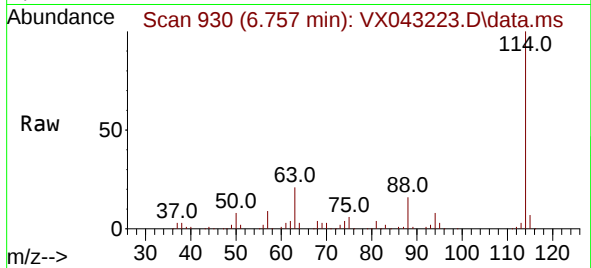




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

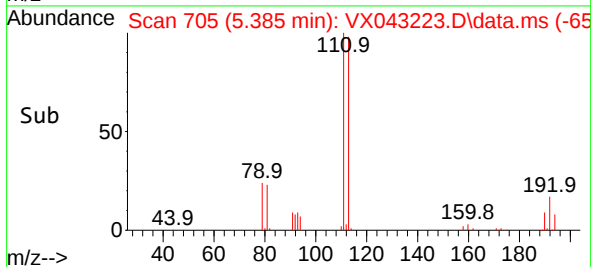
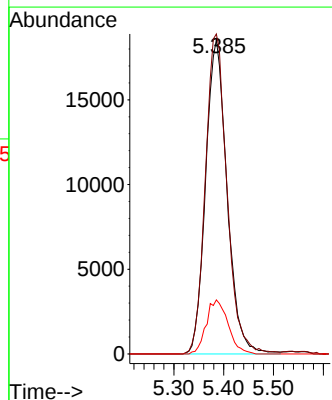
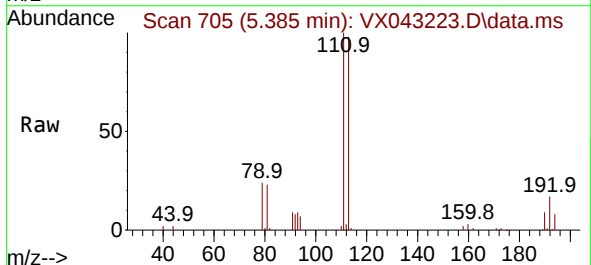
Instrument :
MSVOA_X
ClientSampleId :

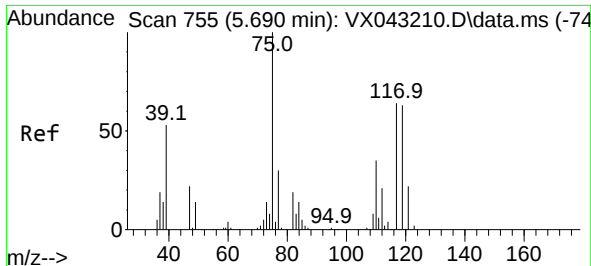
Tgt Ion:114 Resp: 166239
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.0
88 15.6 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.313 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

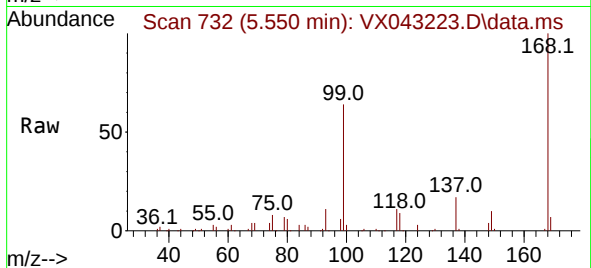
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Ion Ratio Lower Upper
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111 102.5 83.4 125.0
192 17.5 14.1 21.1



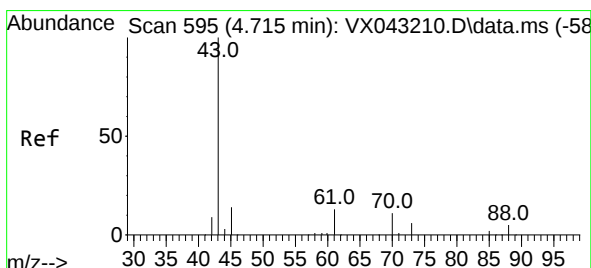
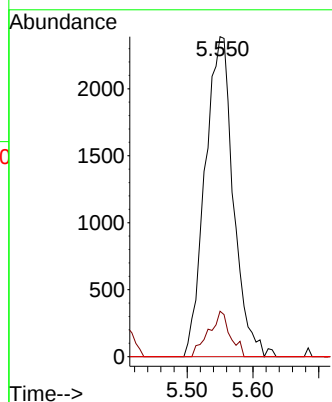
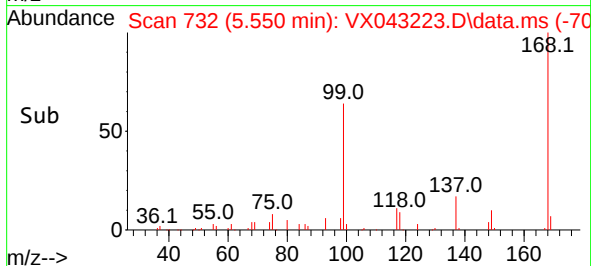


#36
1,1-Dichloropropene
Concen: 4.932 ug/l
RT: 5.550 min Scan# 7143
Delta R.T. -0.140 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

Instrument :
MSVOA_X
ClientSampleId :

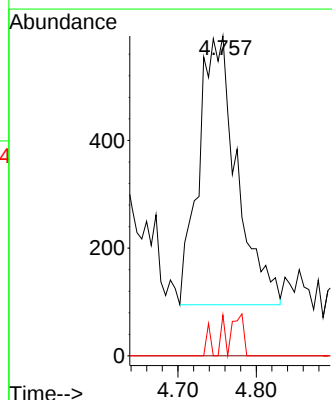
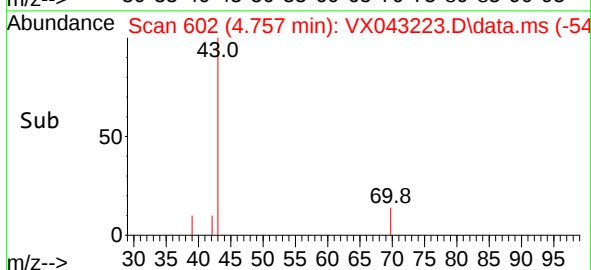
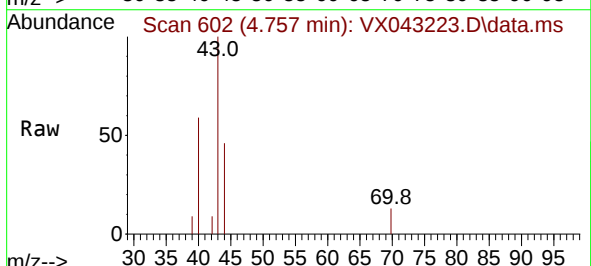


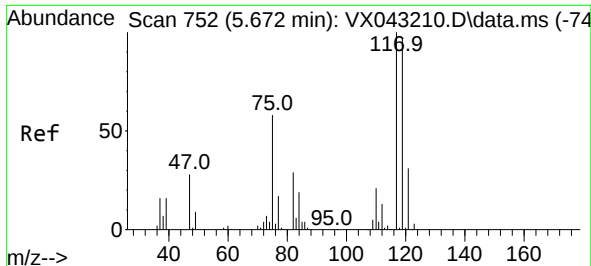
Tgt Ion: 75 Resp: 7143
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.3#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 0.968 ug/l
RT: 4.757 min Scan# 602
Delta R.T. 0.043 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

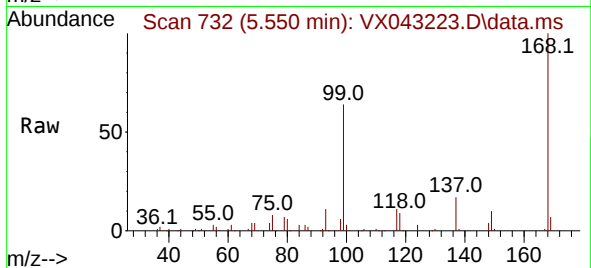
Tgt Ion: 43 Resp: 1683
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 1.7 8.9 13.3#



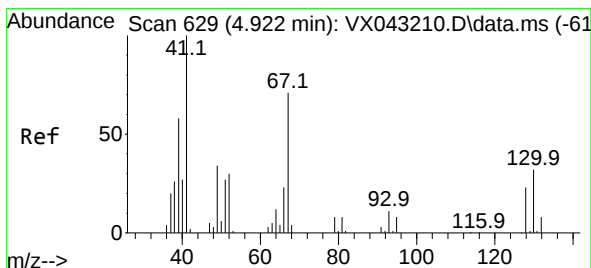
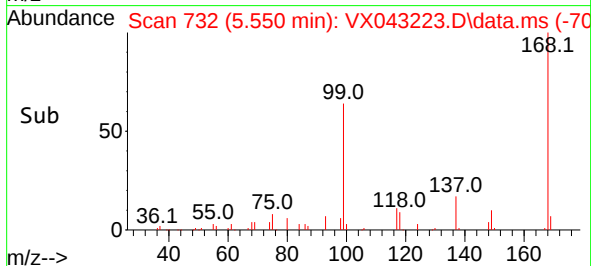
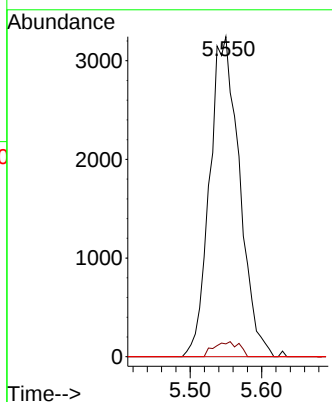


#38
Carbon Tetrachloride
Concen: 5.485 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

Instrument :
MSVOA_X
ClientSampleId :

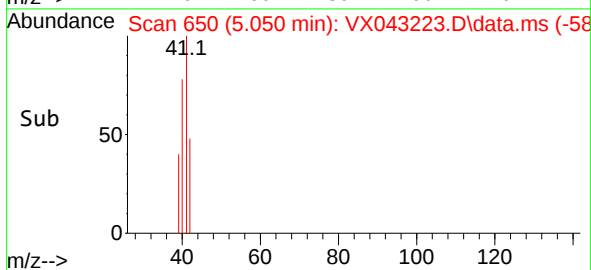
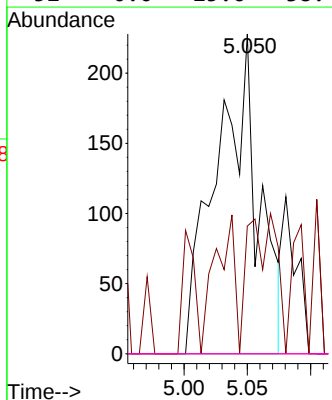
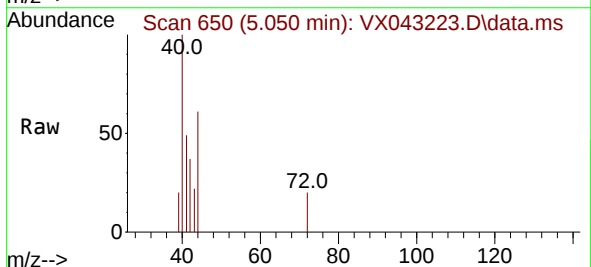


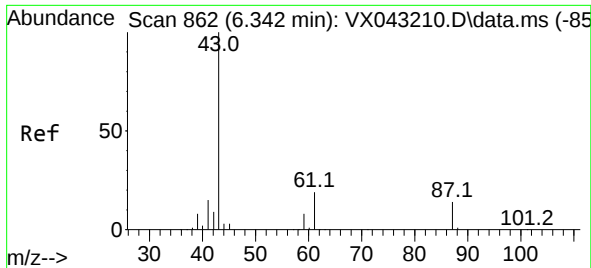
Tgt Ion:117 Resp: 9405
Ion Ratio Lower Upper
117 100
119 4.0 77.7 116.5#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 0.580 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.128 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

Tgt Ion: 41 Resp: 525
Ion Ratio Lower Upper
41 100
39 20.2 45.0 67.4#
67 0.0 56.0 84.0#
52 0.0 25.6 38.4#

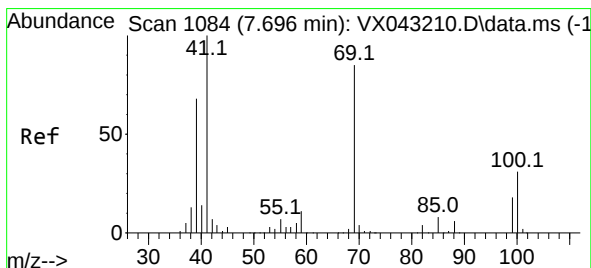
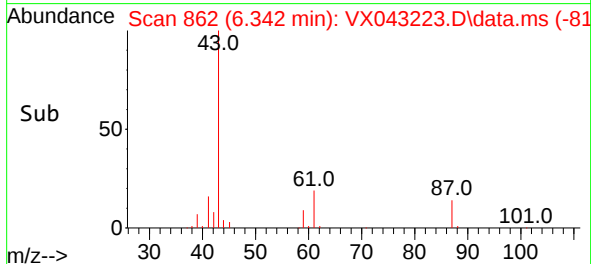
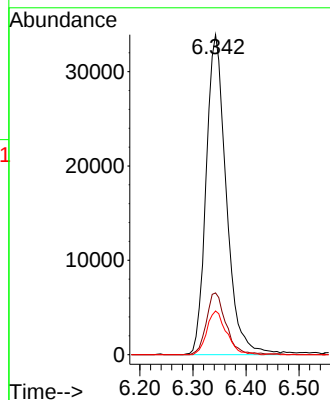
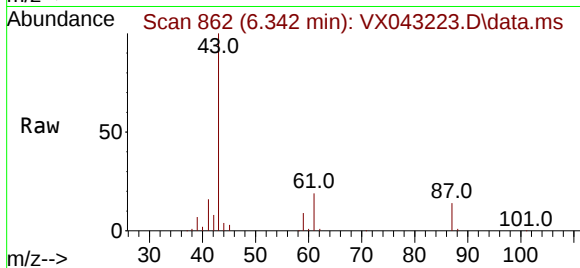




#43
Isopropyl Acetate
Concen: 31.048 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

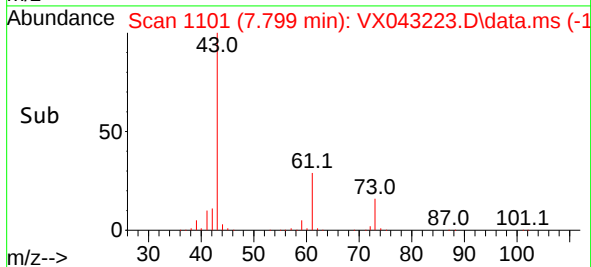
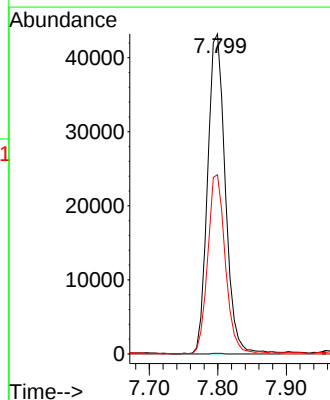
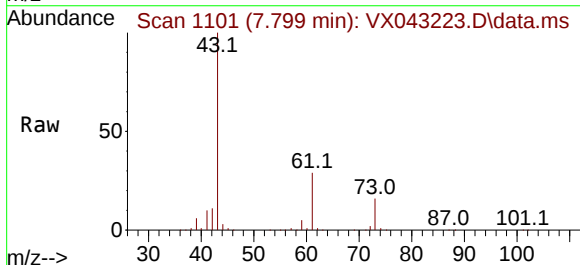
Instrument :
MSVOA_X
ClientSampleId :

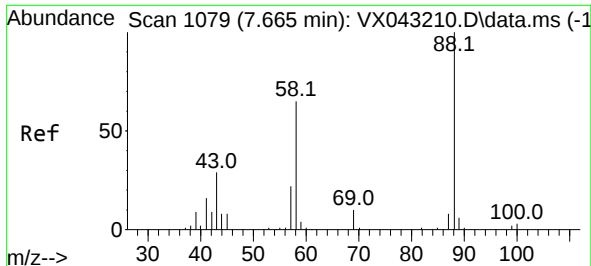
Tgt Ion: 43 Resp: 89195
Ion Ratio Lower Upper
43 100
61 18.9 15.1 22.7
87 13.3 10.8 16.2



#48
Methyl methacrylate
Concen: 55.276 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

Tgt Ion: 41 Resp: 77915
Ion Ratio Lower Upper
41 100
69 0.1 64.1 96.1#
39 55.3 52.8 79.2

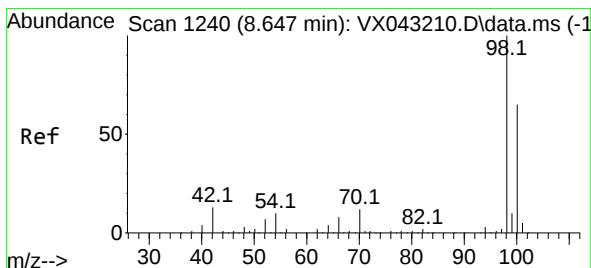
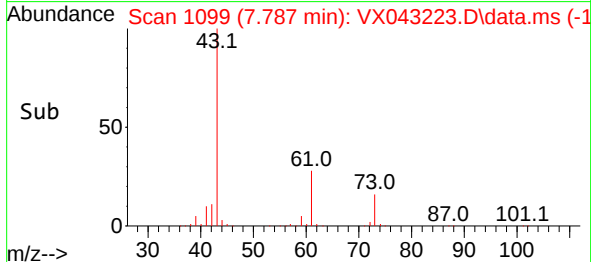
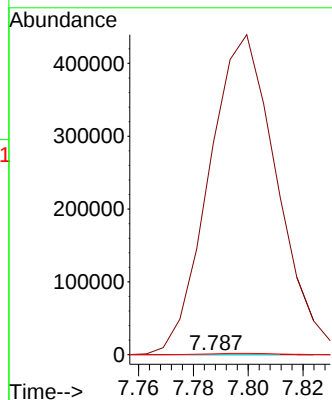
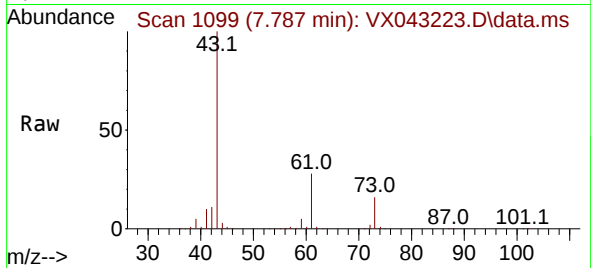




#49
1,4-Dioxane
Concen: 2.409 ug/l
RT: 7.787 min Scan# 1079
Delta R.T. 0.122 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

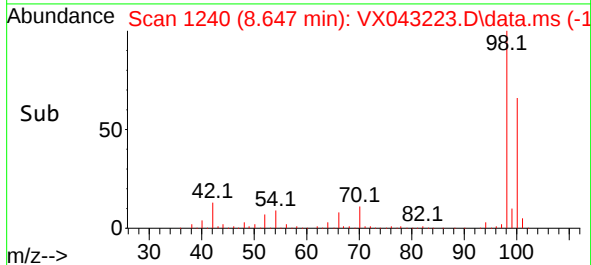
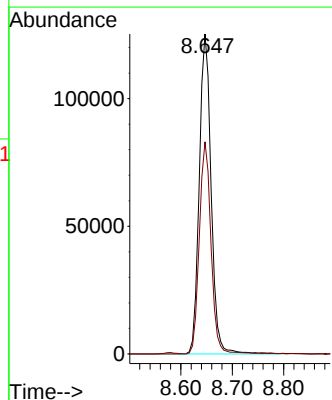
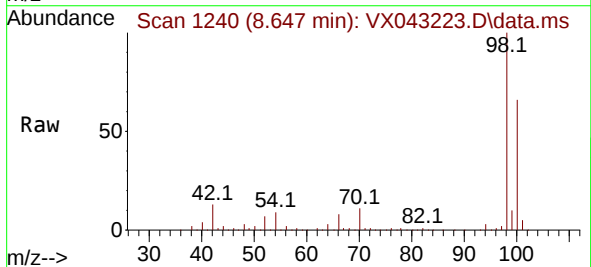
Instrument :
MSVOA_X
ClientSampleId :

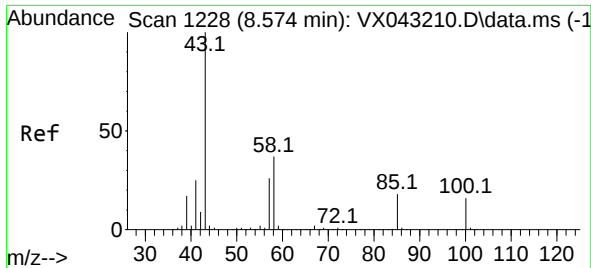
Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 1173828.8 29.5 44.3#
58 4759.1 55.2 82.8#



#50
Toluene-d8
Concen: 50.549 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

Tgt Ion: 98 Resp: 200832
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

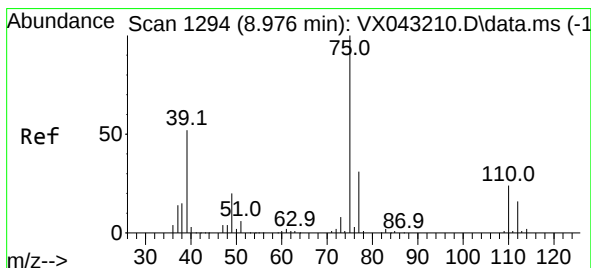
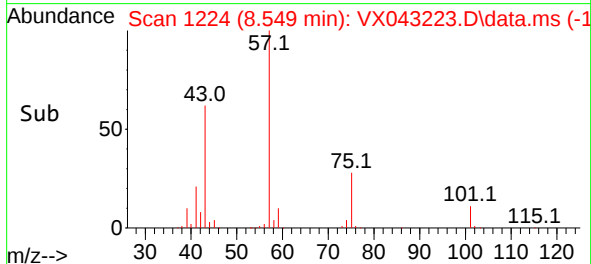
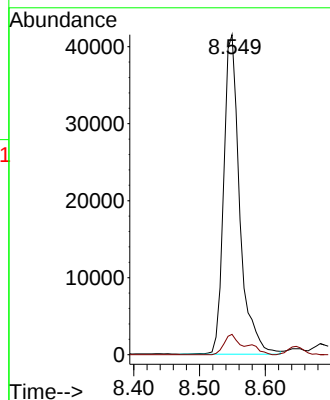
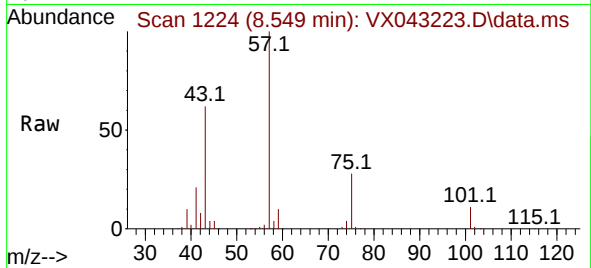




#51
4-Methyl-2-Pentanone
Concen: 40.137 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

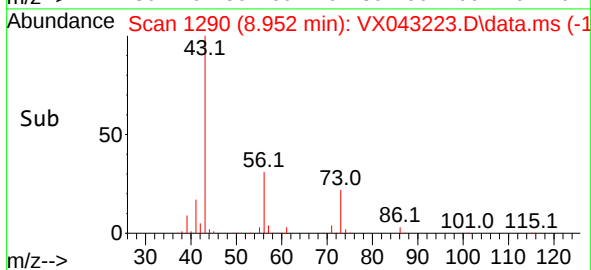
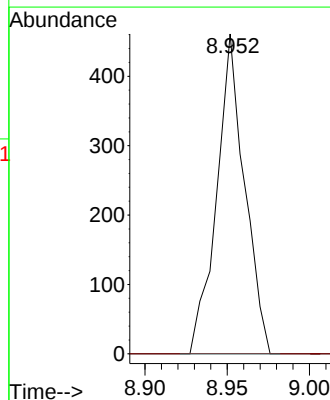
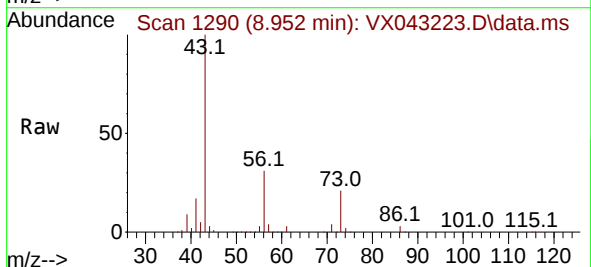
Instrument :
MSVOA_X
ClientSampleId :

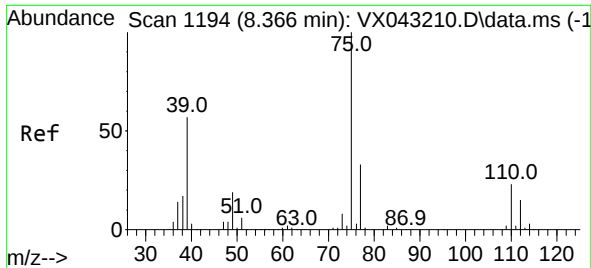
Tgt Ion: 43 Resp: 70031
Ion Ratio Lower Upper
43 100
58 6.0 30.0 45.0#



#53
t-1,3-Dichloropropene
Concen: 0.323 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

Tgt Ion: 75 Resp: 545
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

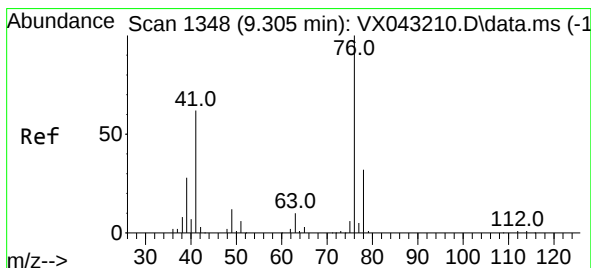
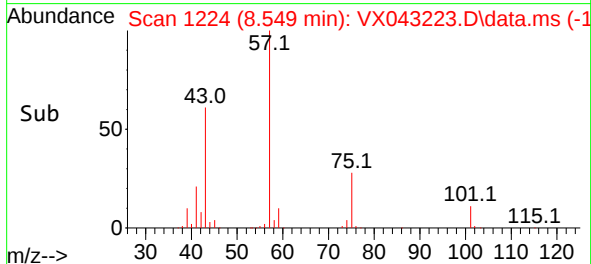
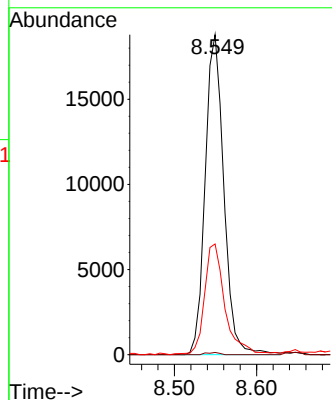
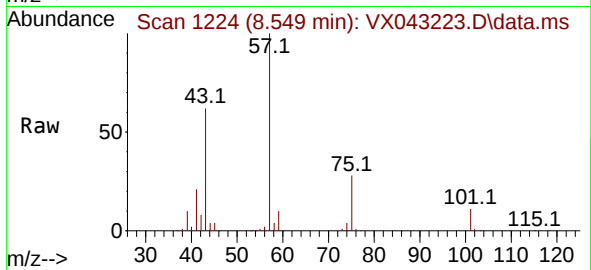




#54
 cis-1,3-Dichloropropene
 Concen: 16.354 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043223.D
 Acq: 02 Oct 2024 11:57

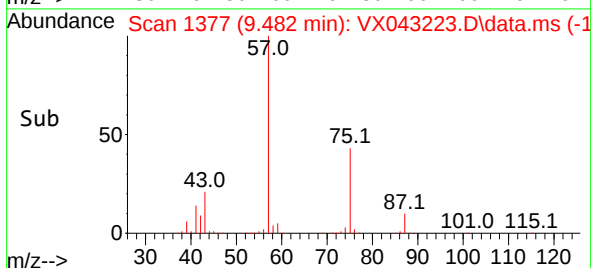
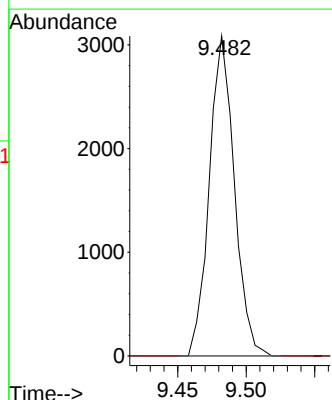
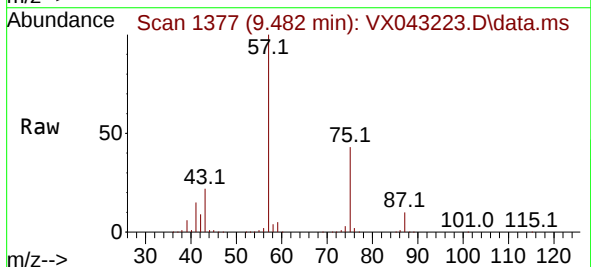
Instrument :
 MSVOA_X
 ClientSampleId :

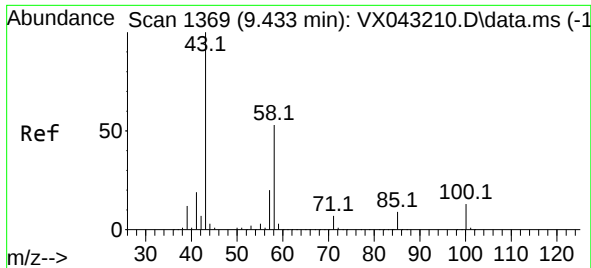
Tgt Ion: 75 Resp: 29591
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.0 39.0#
 39 34.2 45.8 68.8#



#57
 1,3-Dichloropropane
 Concen: 2.104 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX043223.D
 Acq: 02 Oct 2024 11:57

Tgt Ion: 76 Resp: 3920
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

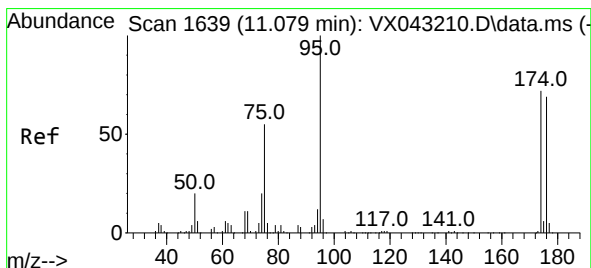
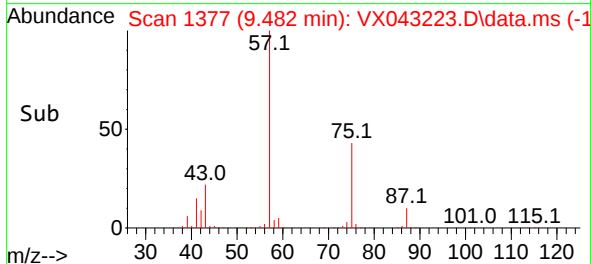
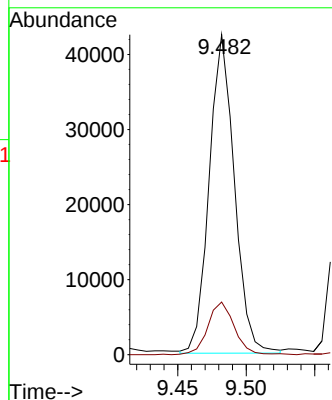
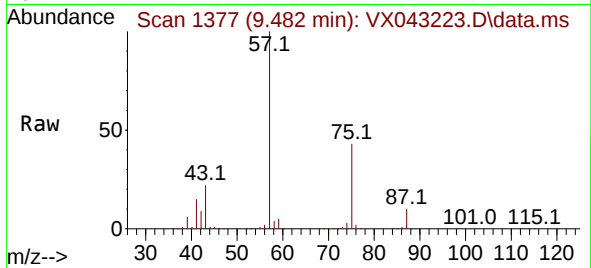




#59
2-Hexanone
Concen: 41.092 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

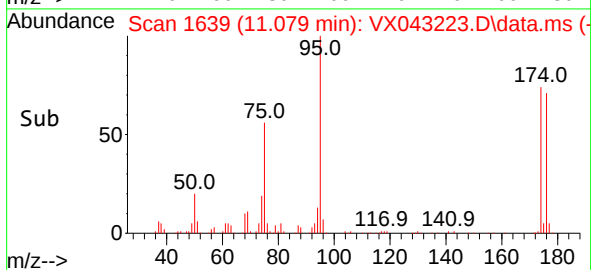
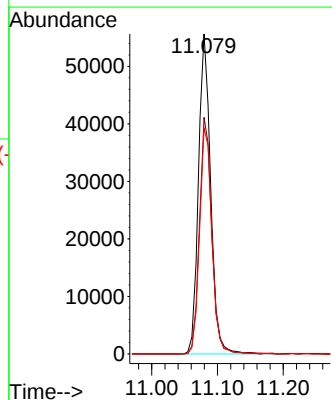
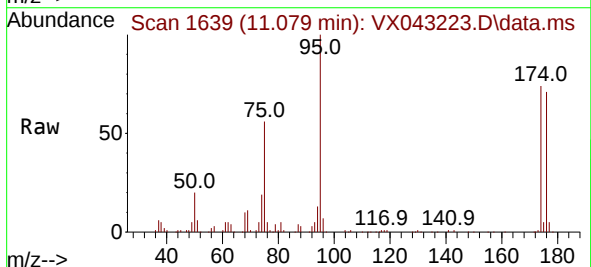
Instrument :
MSVOA_X
ClientSampleId :

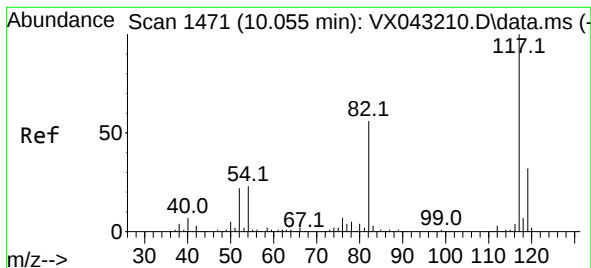
Tgt Ion: 43 Resp: 54218
Ion Ratio Lower Upper
43 100
58 17.4 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 49.605 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043223.D
Acq: 02 Oct 2024 11:57

Tgt Ion: 95 Resp: 71598
Ion Ratio Lower Upper
95 100
174 74.5 0.0 145.0
176 71.5 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: VX043223.D

Acq: 02 Oct 2024 11:57

Instrument :

MSVOA_X

ClientSampleId :

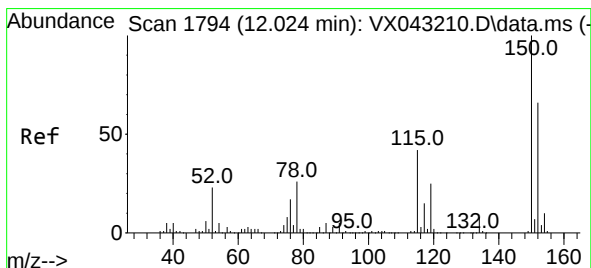
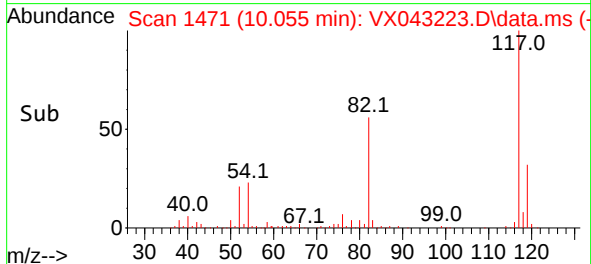
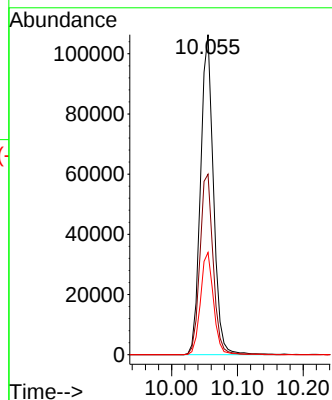
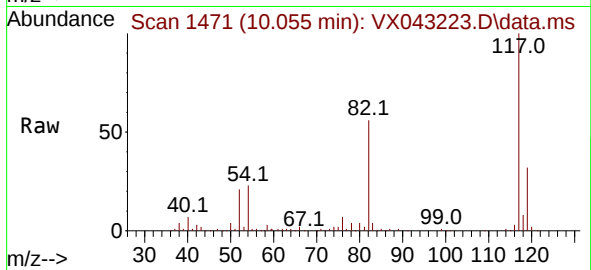
Tgt Ion:117 Resp: 145164

Ion Ratio Lower Upper

117 100

82 56.4 45.0 67.6

119 32.0 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX043223.D

Acq: 02 Oct 2024 11:57

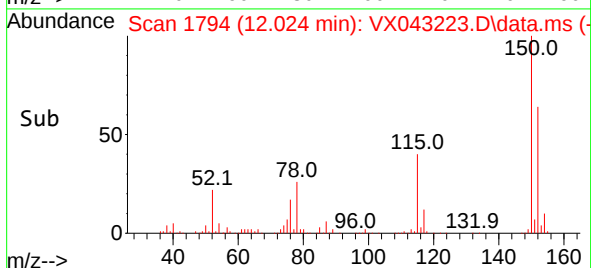
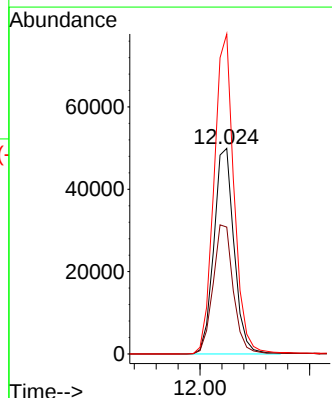
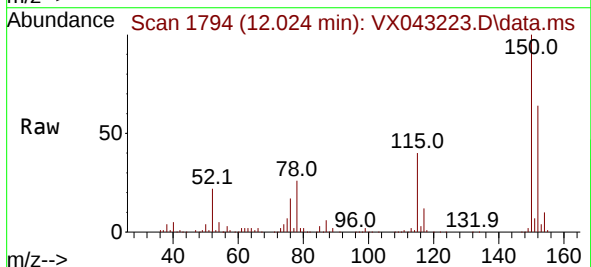
Tgt Ion:152 Resp: 63939

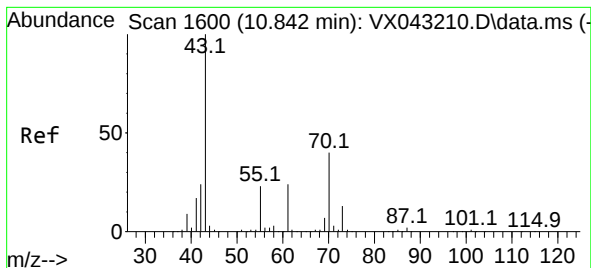
Ion Ratio Lower Upper

152 100

115 63.1 44.1 132.3

150 154.9 0.0 347.4





#74

N-amy1 acetate

Concen: 0.293 ug/l

RT: 10.817 min Scan# 1639

Delta R.T. -0.024 min

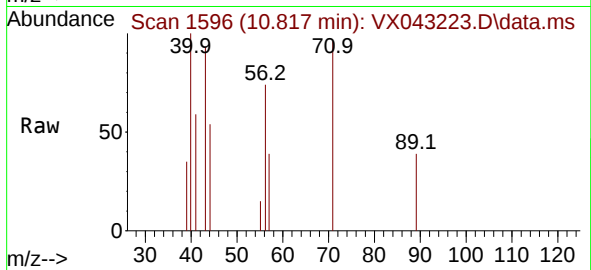
Lab File: VX043223.D

Acq: 02 Oct 2024 11:57

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 691

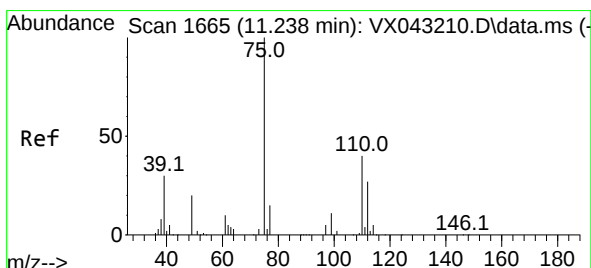
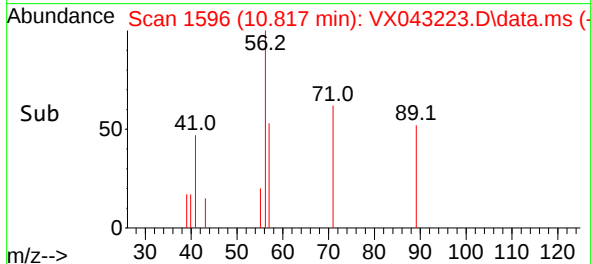
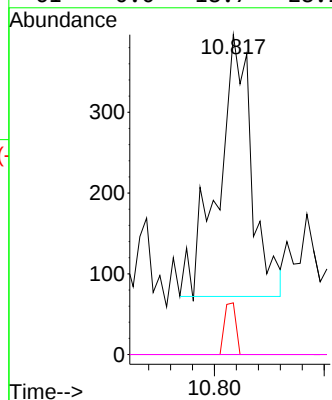
Ion Ratio Lower Upper

43 100

70 0.0 33.1 49.7#

55 6.7 18.6 27.8#

61 0.0 18.7 28.1#



#76

1,2,3-Trichloropropane

Concen: 28.425 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX043223.D

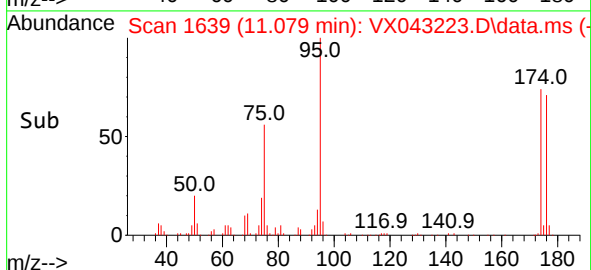
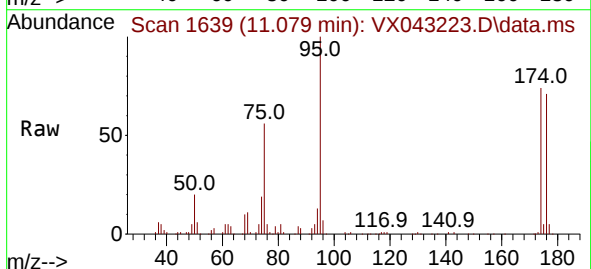
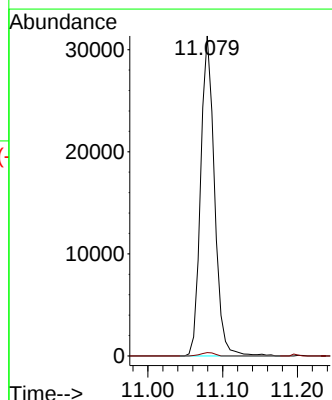
Acq: 02 Oct 2024 11:57

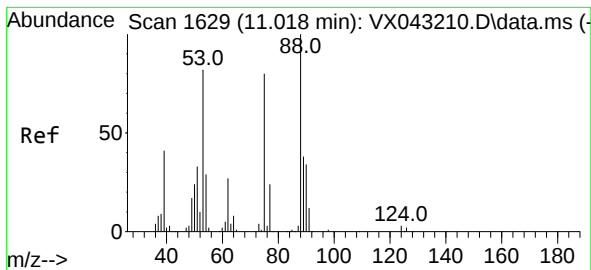
Tgt Ion: 75 Resp: 40313

Ion Ratio Lower Upper

75 100

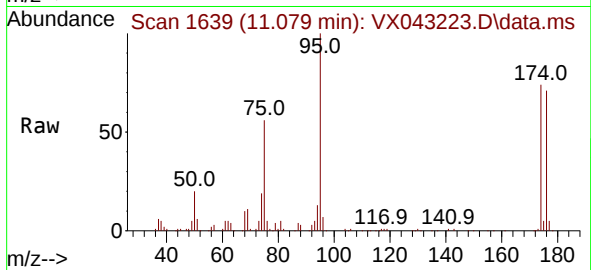
77 1.1 22.0 66.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.667 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043223.D
 Acq: 02 Oct 2024 11:57

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 40313
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.9 125.9#
 89 0.0 38.6 58.0#

