

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100224\
 Data File : VX043224.D
 Acq On : 02 Oct 2024 12:20
 Operator : JC/MD
 Sample : PB163826ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB163826ZHE#03

Quant Time: Oct 02 23:00:48 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)

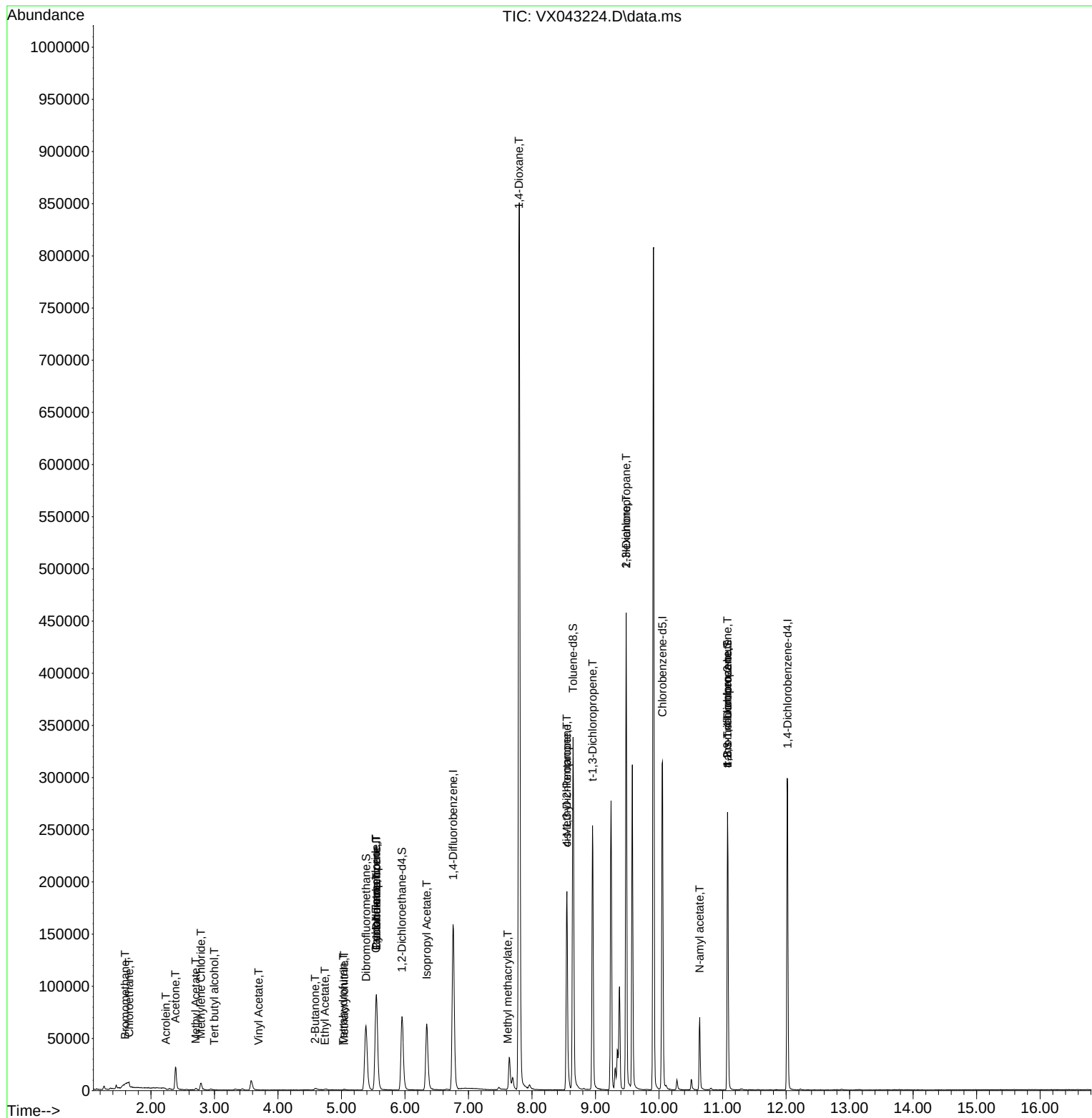
Internal Standards						
1) Pentafluorobenzene	5.550	168	83567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162346	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	140726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73200	53.635	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.280%	
35) Dibromofluoromethane	5.385	113	54171	48.384	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.760%	
50) Toluene-d8	8.647	98	195833	50.473	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.940%	
62) 4-Bromofluorobenzene	11.079	95	70463	49.990	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.980%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	108	0.264	ug/l #	65
6) Chloroethane	1.654	64	106	0.284	ug/l #	42
11) Tert butyl alcohol	2.995	59	147	0.566	ug/l #	71
13) Acrolein	2.233	56	67	0.273	ug/l #	1
16) Acetone	2.386	43	26252	46.061	ug/l	98
18) Methyl Acetate	2.703	43	2136	1.494	ug/l	100
20) Methylene Chloride	2.788	84	3611	3.436	ug/l	88
23) Vinyl Acetate	3.696	43	19	6.344	ug/l #	71
25) 2-Butanone	4.587	43	3731	4.774	ug/l	97
29) Tetrahydrofuran	5.025	42	206	0.414	ug/l #	44
31) Cyclohexane	5.550	56	2043	1.387	ug/l #	43
36) 1,1-Dichloropropene	5.550	75	7263	5.135	ug/l #	50
37) Ethyl Acetate	4.739	43	628	0.370	ug/l #	77
38) Carbon Tetrachloride	5.544	117	8984	5.365	ug/l #	16
41) Methacrylonitrile	5.044	41	381	0.431	ug/l #	47
43) Isopropyl Acetate	6.342	43	89555	31.921	ug/l	99
48) Methyl methacrylate	7.616	41	2762	2.006	ug/l #	14
49) 1,4-Dioxane	7.793	88	71	2.653	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	71167	41.766	ug/l #	47
53) t-1,3-Dichloropropene	8.952	75	545	0.331	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	30319	17.158	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	3622	1.991	ug/l #	43
59) 2-Hexanone	9.482	43	54326	42.161	ug/l #	51
74) N-amyl acetate	10.640	43	17573	7.820	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	38879	28.787	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	38879	74.605	ug/l #	8

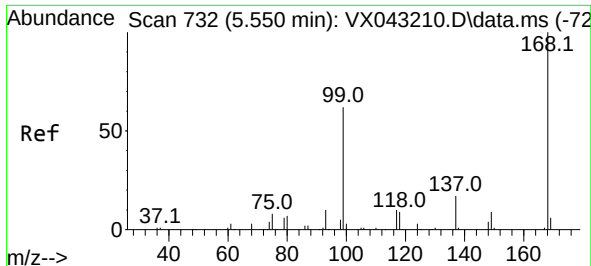
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 02 23:00:48 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

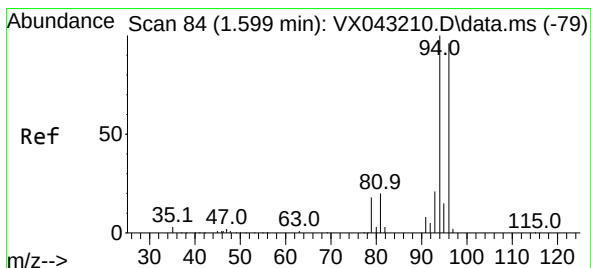
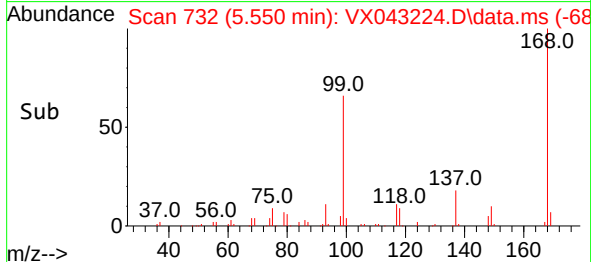
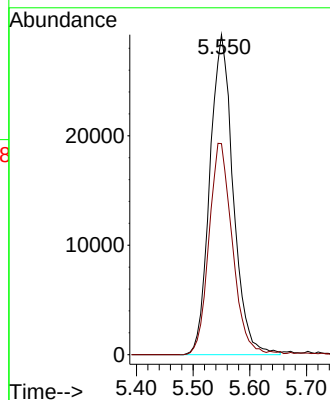
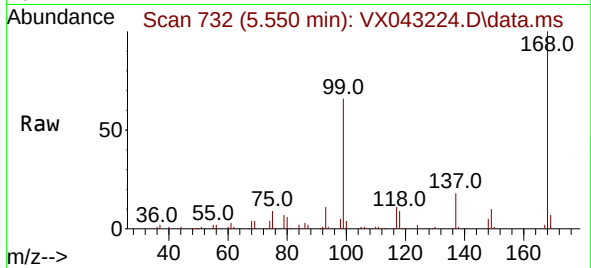




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

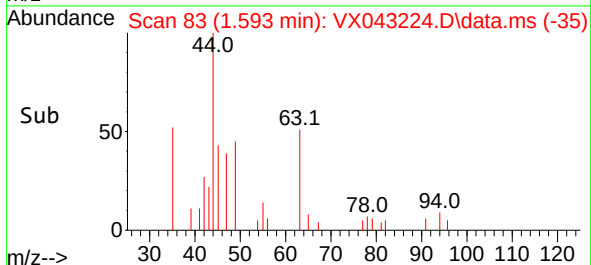
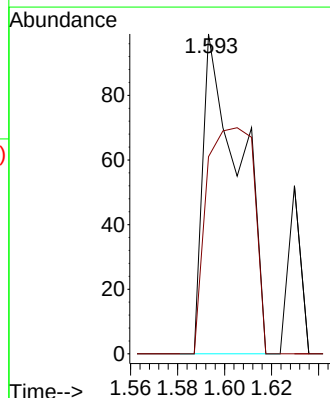
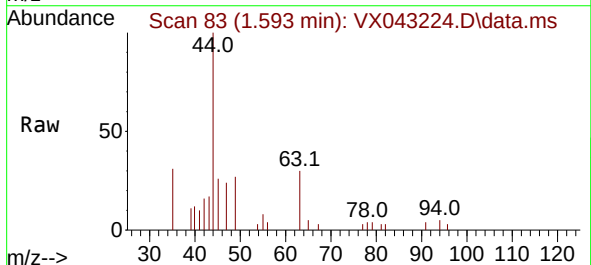
Instrument : MSVOA_X
ClientSampleId : PB163826ZHE#03

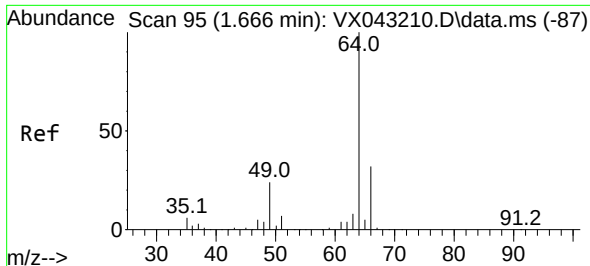
Tgt Ion:168 Resp: 83567
Ion Ratio Lower Upper
168 100
99 66.0 49.7 74.5



#5
Bromomethane
Concen: 0.264 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

Tgt Ion: 94 Resp: 108
Ion Ratio Lower Upper
94 100
96 61.6 76.6 115.0#

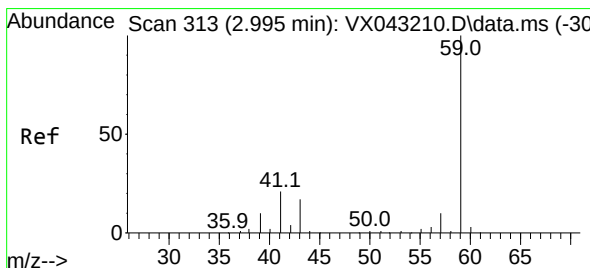
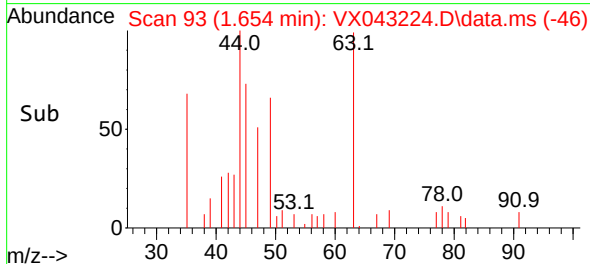
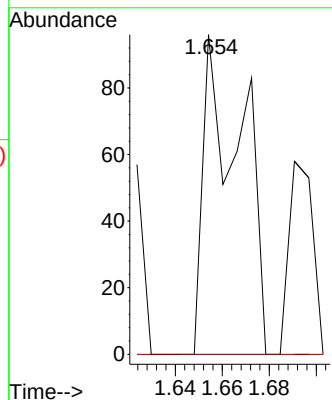
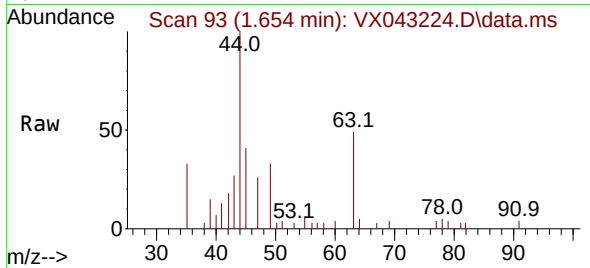




#6
Chloroethane
Concen: 0.284 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

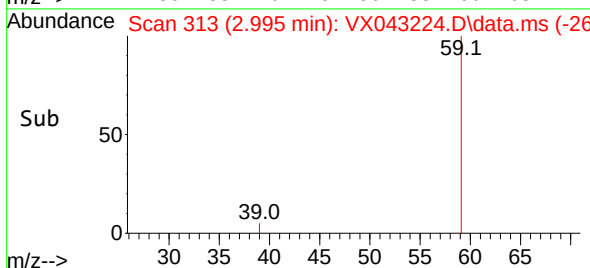
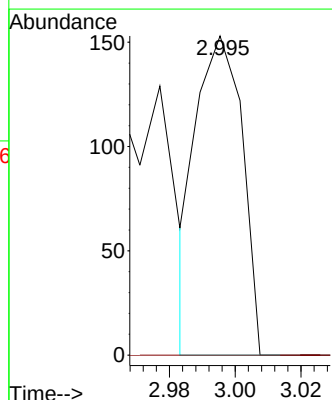
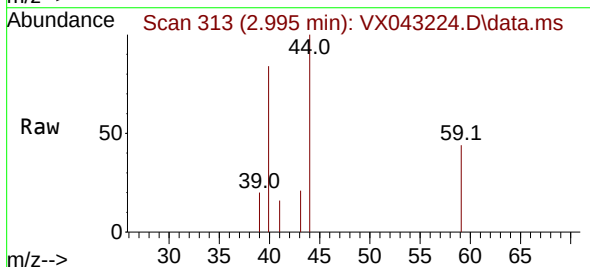
Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#03

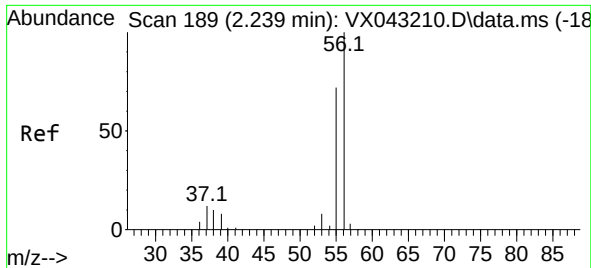
Tgt Ion: 64 Resp: 106
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



#11
Tert butyl alcohol
Concen: 0.566 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.000 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

Tgt Ion: 59 Resp: 147
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

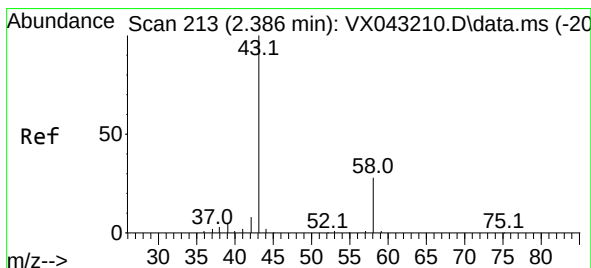
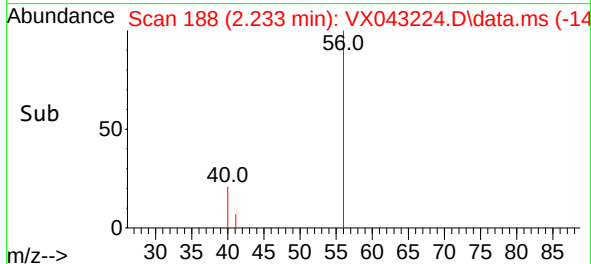
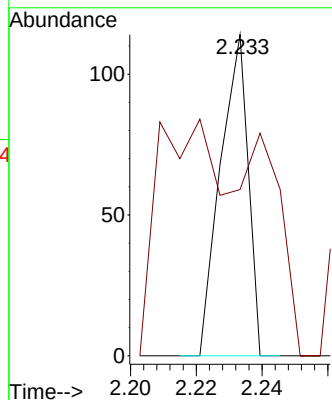
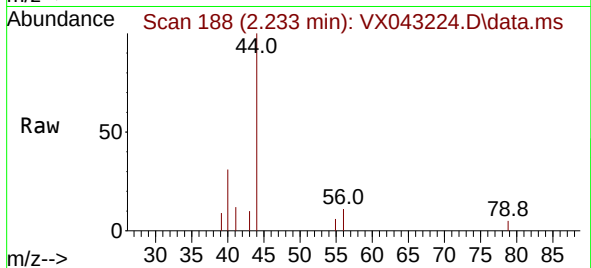




#13
Acrolein
Concen: 0.273 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

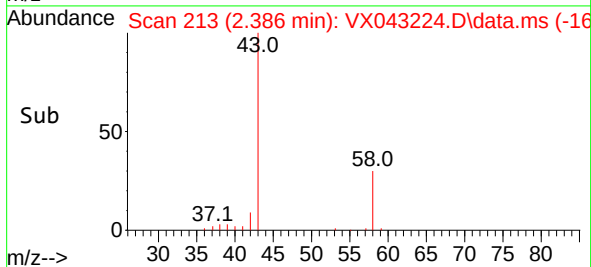
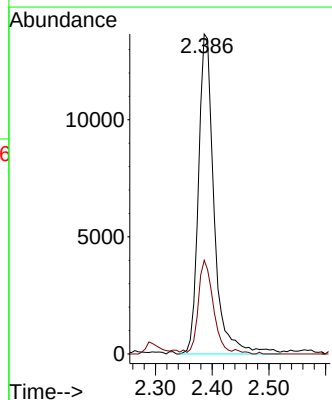
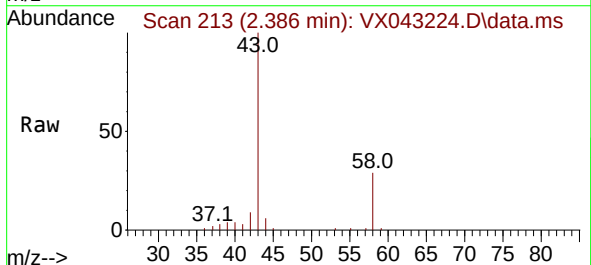
Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#03

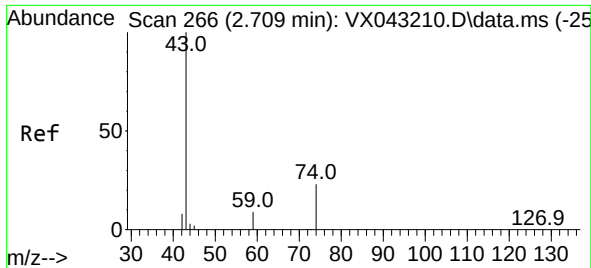
Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
55 268.7 57.4 86.0#



#16
Acetone
Concen: 46.061 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

Tgt Ion: 43 Resp: 26252
Ion Ratio Lower Upper
43 100
58 29.3 22.6 33.8

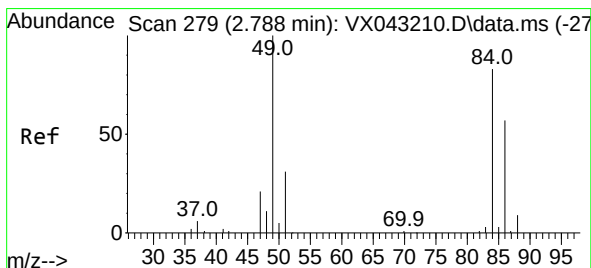
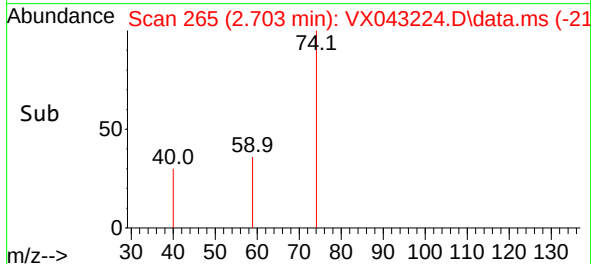
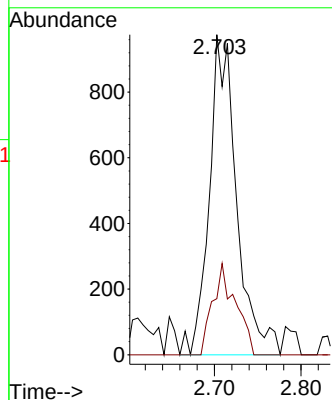
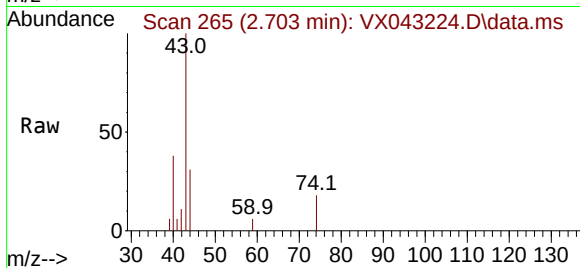




#18
Methyl Acetate
Concen: 1.494 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

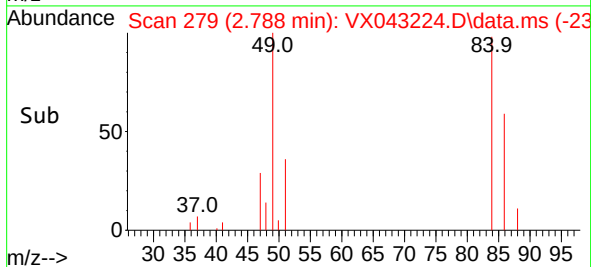
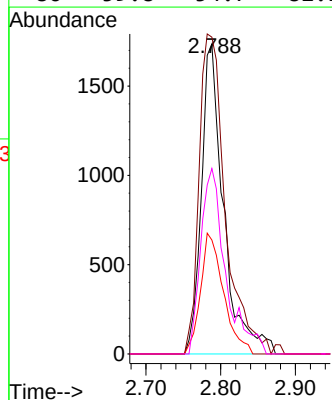
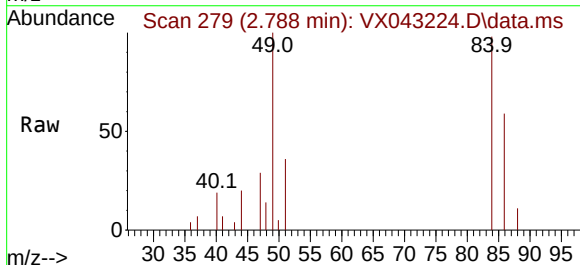
Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#03

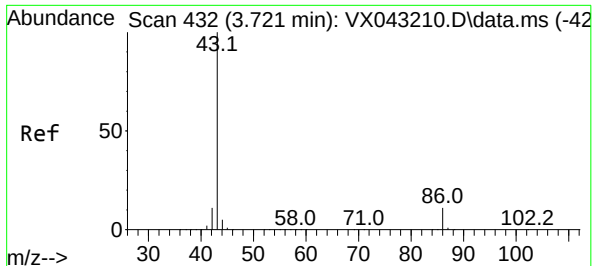
Tgt Ion: 43 Resp: 2136
Ion Ratio Lower Upper
43 100
74 23.9 19.1 28.7



#20
Methylene Chloride
Concen: 3.436 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

Tgt Ion: 84 Resp: 3611
Ion Ratio Lower Upper
84 100
49 102.2 96.7 145.1
51 36.8 30.4 45.6
86 59.8 54.7 82.1

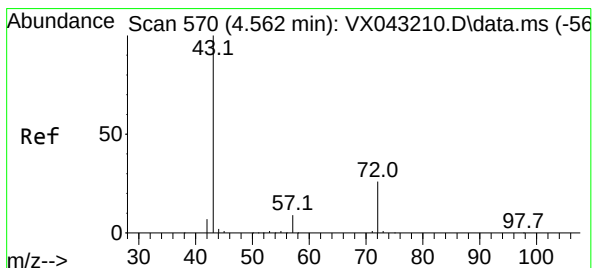
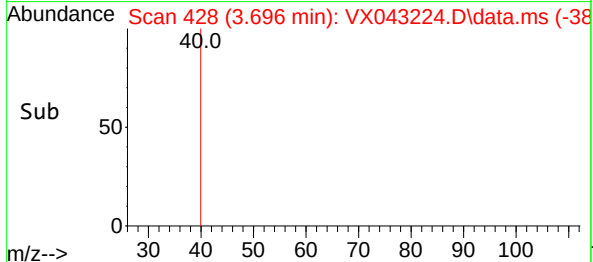
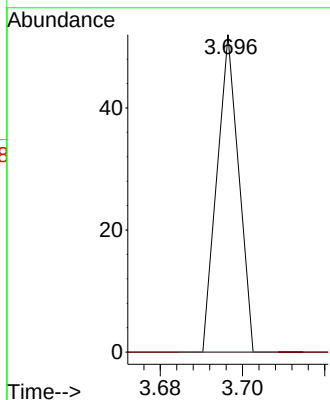
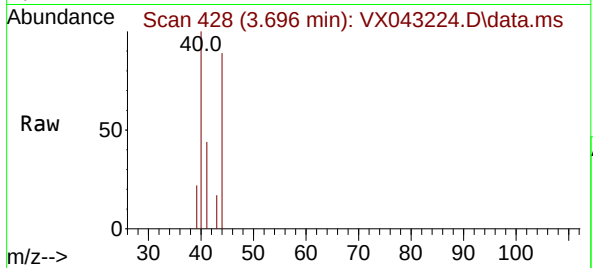




#23
 Vinyl Acetate
 Concen: 6.344 ug/l
 RT: 3.696 min Scan# 41
 Delta R.T. -0.025 min
 Lab File: VX043224.D
 Acq: 02 Oct 2024 12:20

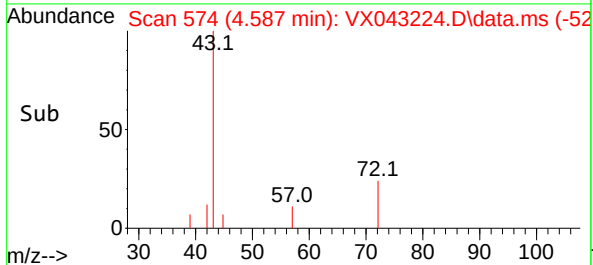
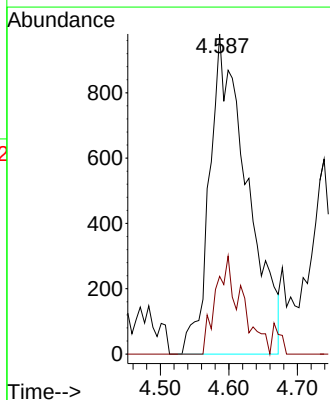
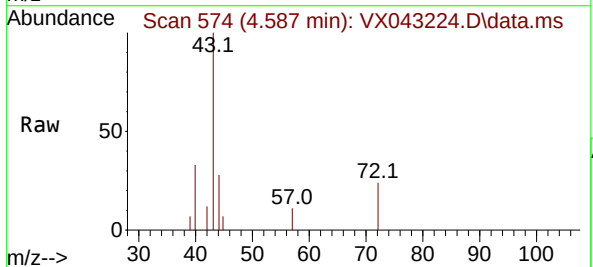
Instrument :
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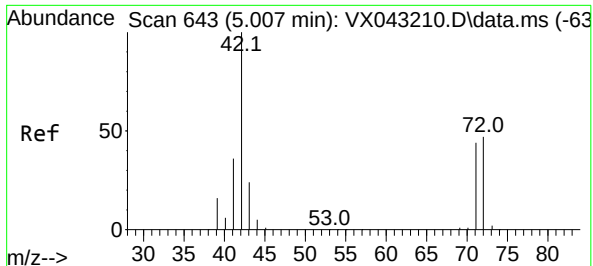
Tgt Ion: 43 Resp: 19
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 4.774 ug/l
 RT: 4.587 min Scan# 574
 Delta R.T. 0.025 min
 Lab File: VX043224.D
 Acq: 02 Oct 2024 12:20

Tgt Ion: 43 Resp: 3731
 Ion Ratio Lower Upper
 43 100
 72 24.3 20.6 31.0





#29

Tetrahydrofuran

Concen: 0.414 ug/l

RT: 5.025 min Scan# 643

Delta R.T. 0.018 min

Lab File: VX043224.D

Acq: 02 Oct 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

PB163826ZHE#03

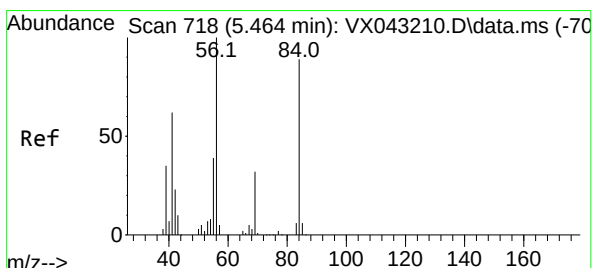
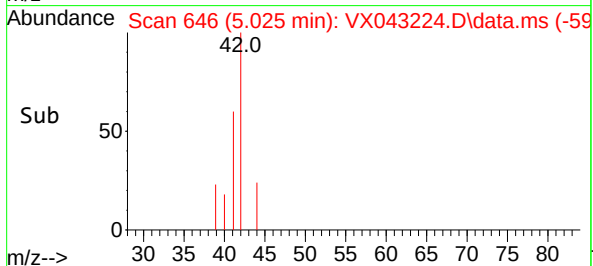
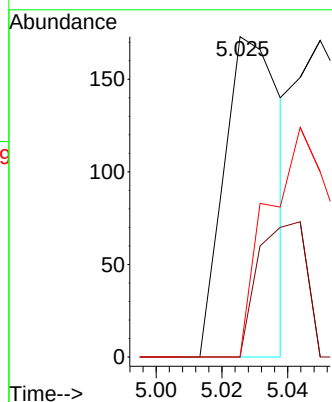
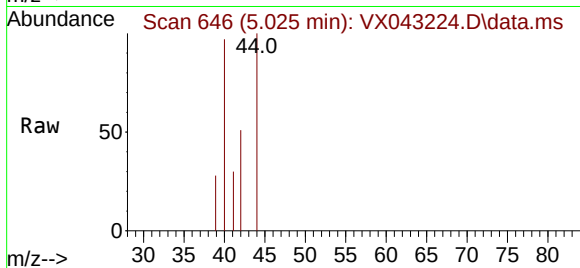
Tgt Ion: 42 Resp: 206

Ion Ratio Lower Upper

42 100

72 35.9 37.7 56.5#

71 106.3 34.6 52.0#



#31

Cyclohexane

Concen: 1.387 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX043224.D

Acq: 02 Oct 2024 12:20

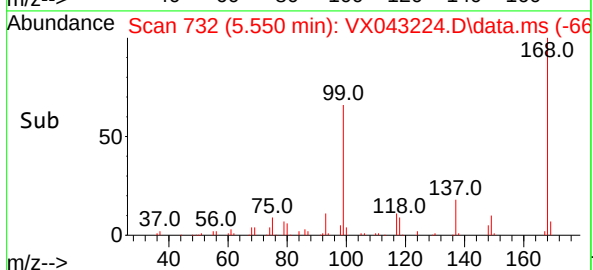
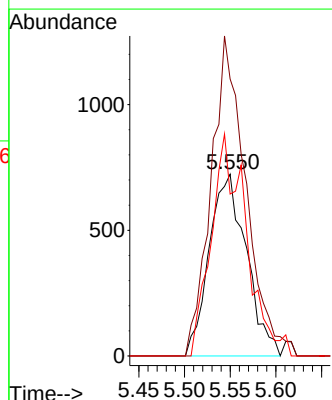
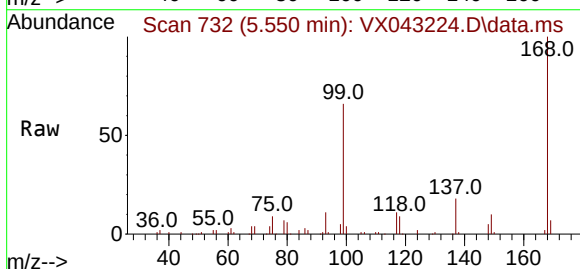
Tgt Ion: 56 Resp: 2043

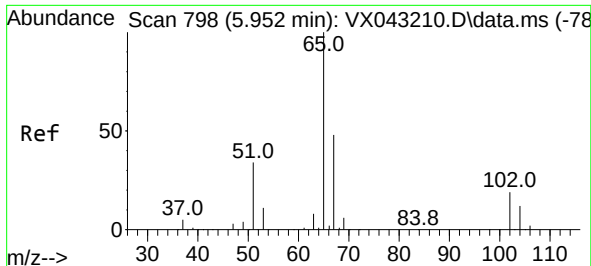
Ion Ratio Lower Upper

56 100

69 152.4 25.8 38.6#

84 89.1 71.1 106.7





#33

1,2-Dichloroethane-d4

Concen: 53.635 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043224.D

Acq: 02 Oct 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

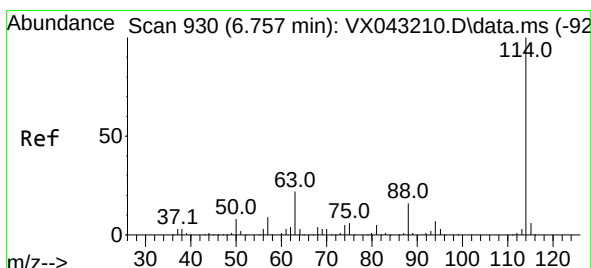
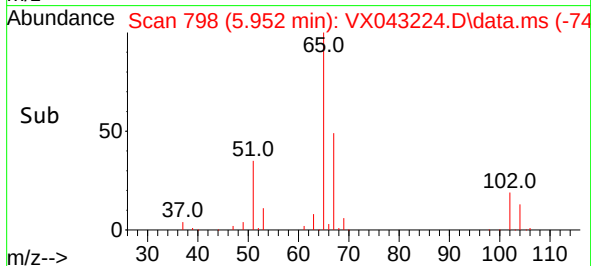
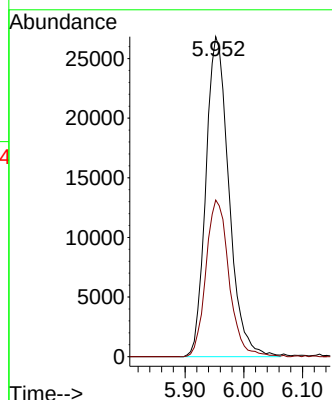
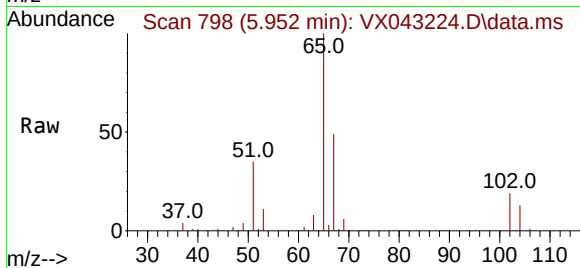
PB163826ZHE#03

Tgt Ion: 65 Resp: 73200

Ion Ratio Lower Upper

65 100

67 49.1 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: VX043224.D

Acq: 02 Oct 2024 12:20

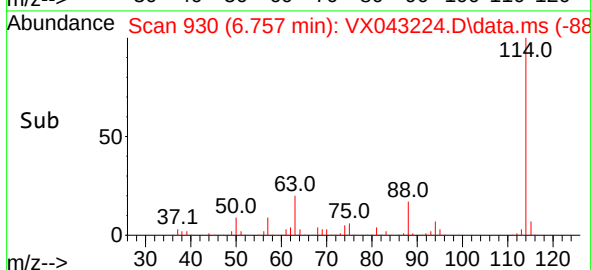
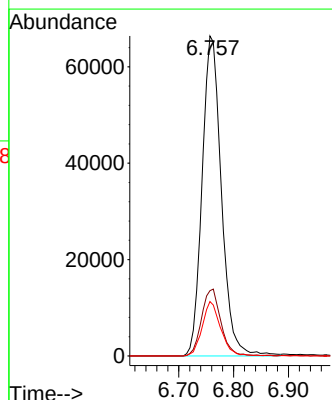
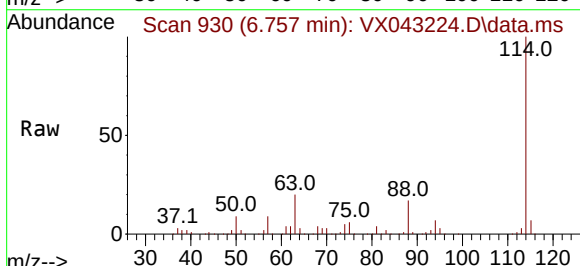
Tgt Ion: 114 Resp: 162346

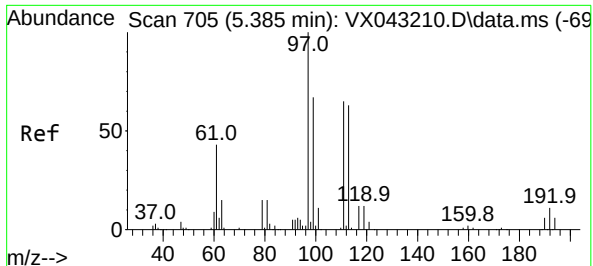
Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.0

88 17.0 0.0 33.0

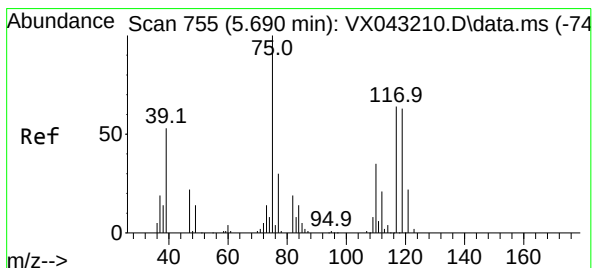
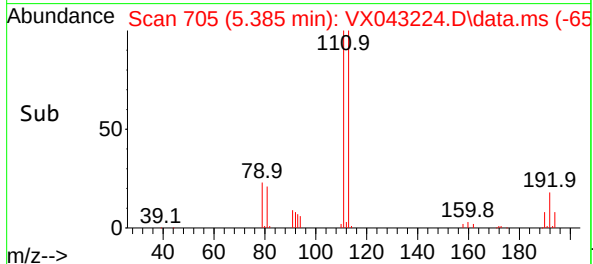
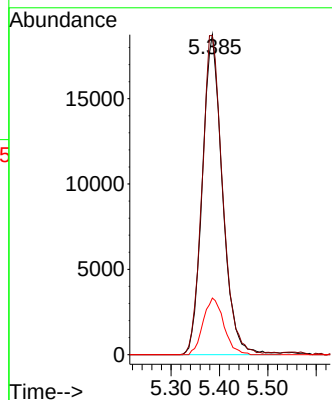
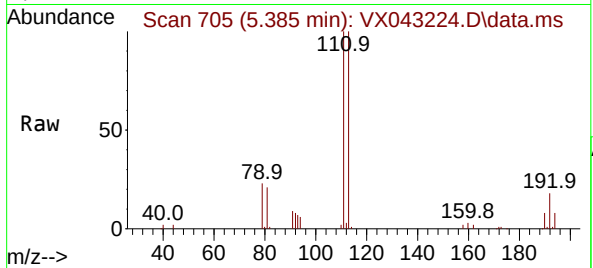




#35
Dibromofluoromethane
Concen: 48.384 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

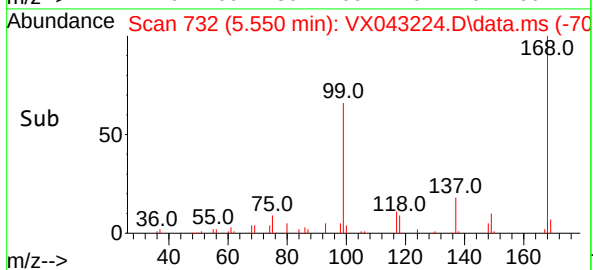
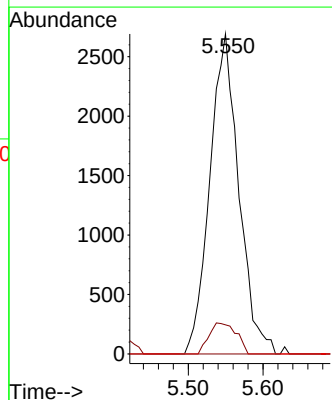
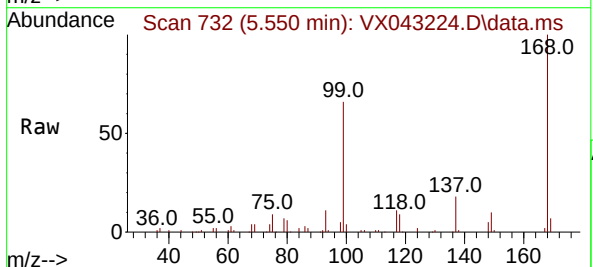
Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#03

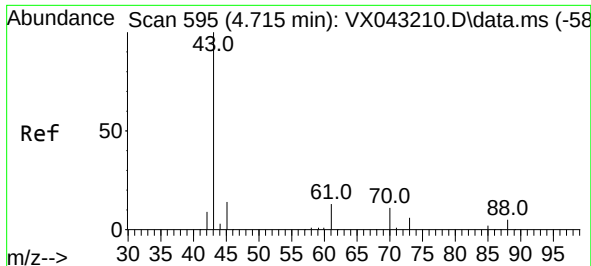
Tgt Ion:113 Resp: 54171
Ion Ratio Lower Upper
113 100
111 101.7 83.4 125.0
192 18.2 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.135 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

Tgt Ion: 75 Resp: 7263
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.3#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.370 ug/l

RT: 4.739 min Scan# 595

Delta R.T. 0.024 min

Lab File: VX043224.D

Acq: 02 Oct 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

PB163826ZHE#03

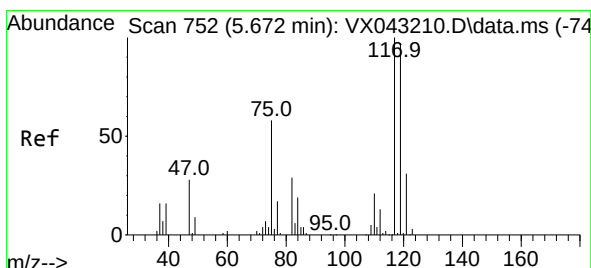
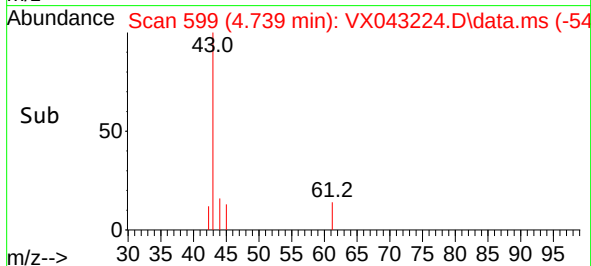
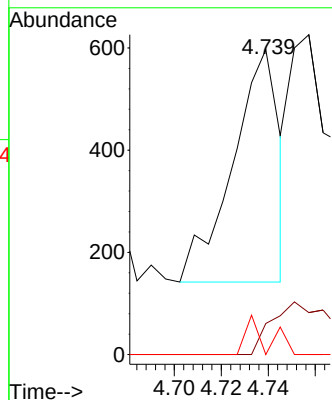
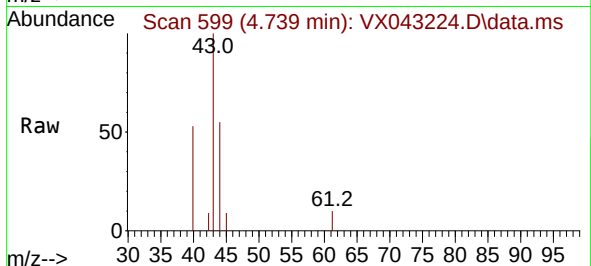
Tgt Ion: 43 Resp: 628

Ion Ratio Lower Upper

43 100

61 27.4 11.0 16.4#

70 7.6 8.9 13.3#



#38

Carbon Tetrachloride

Concen: 5.365 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX043224.D

Acq: 02 Oct 2024 12:20

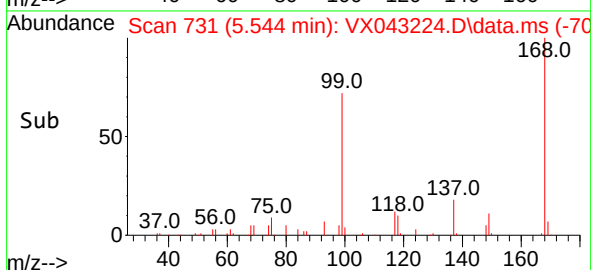
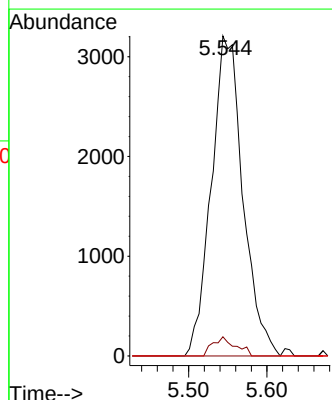
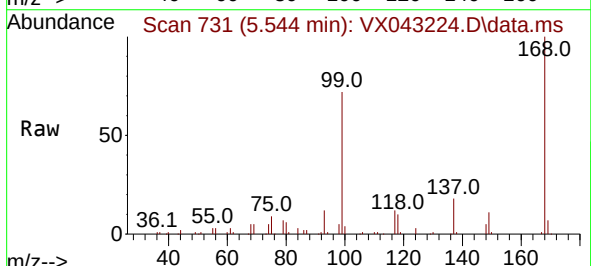
Tgt Ion: 117 Resp: 8984

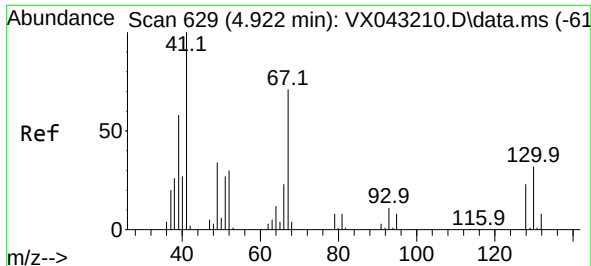
Ion Ratio Lower Upper

117 100

119 6.0 77.7 116.5#

121 0.0 24.3 36.5#

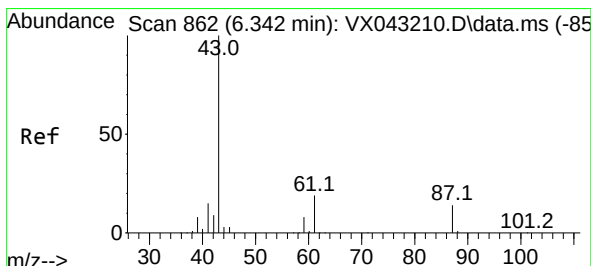
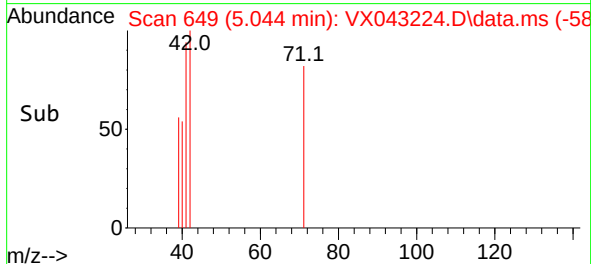
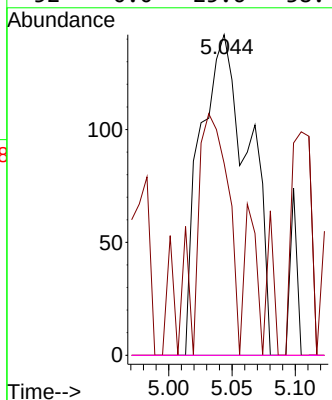
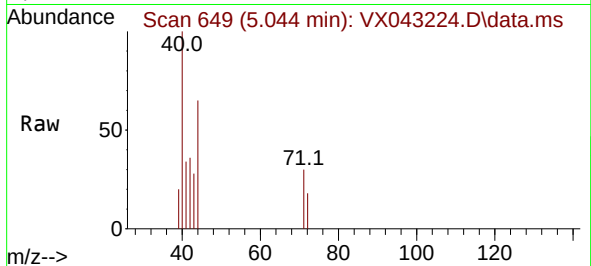




#41
Methacrylonitrile
Concen: 0.431 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

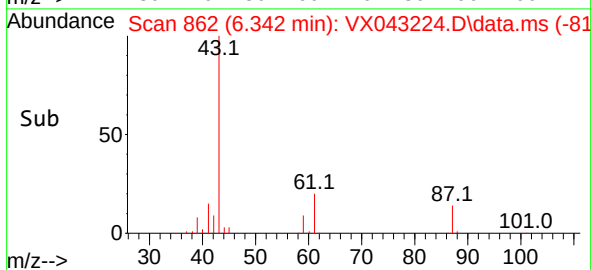
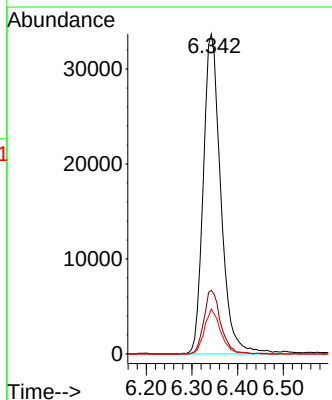
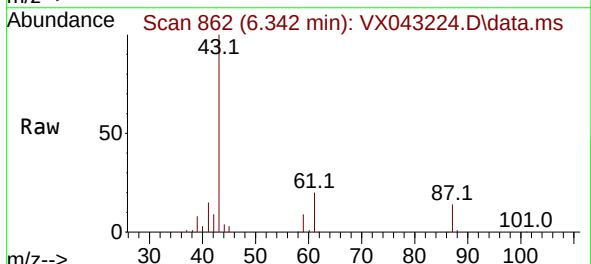
Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#03

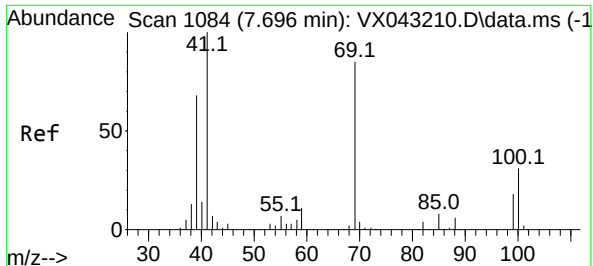
Tgt Ion: 41	Resp: 381
Ion Ratio	Lower Upper
41 100	
39 48.8	45.0 67.4
67 0.0	56.0 84.0#
52 0.0	25.6 38.4#



#43
Isopropyl Acetate
Concen: 31.921 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

Tgt Ion: 43	Resp: 89555
Ion Ratio	Lower Upper
43 100	
61 19.0	15.1 22.7
87 13.0	10.8 16.2





#48

Methyl methacrylate

Concen: 2.006 ug/l

RT: 7.616 min Scan# 1100

Delta R.T. -0.079 min

Lab File: VX043224.D

Acq: 02 Oct 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

PB163826ZHE#03

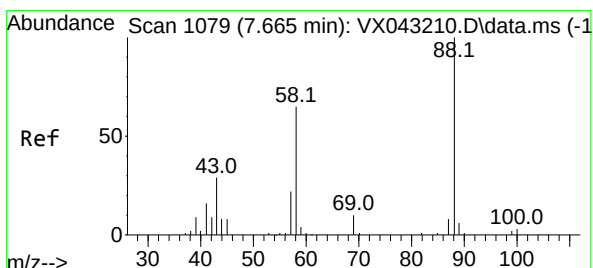
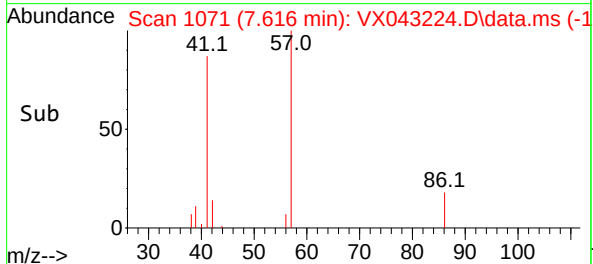
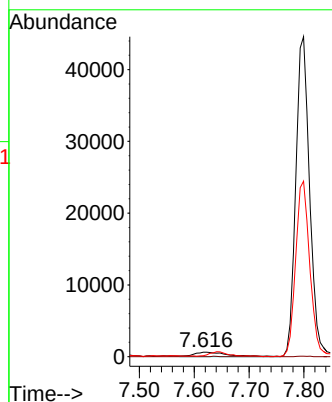
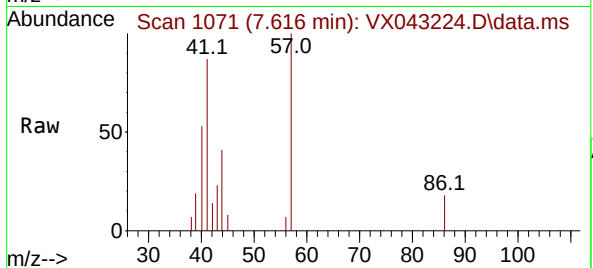
Tgt Ion: 41 Resp: 2762

Ion Ratio Lower Upper

41 100

69 1.6 64.1 96.1#

39 0.0 52.8 79.2#



#49

1,4-Dioxane

Concen: 2.653 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.128 min

Lab File: VX043224.D

Acq: 02 Oct 2024 12:20

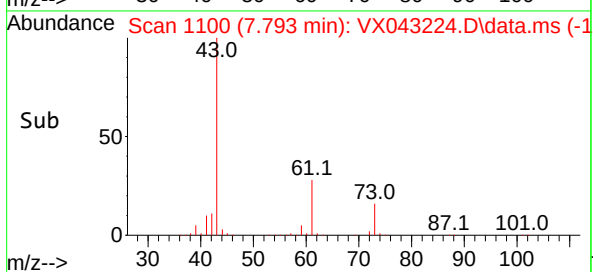
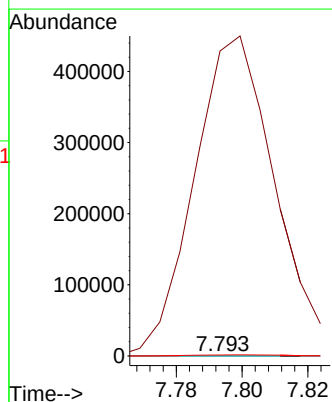
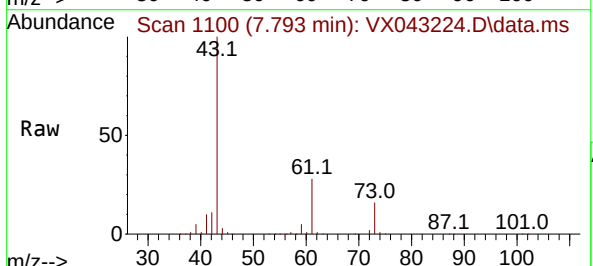
Tgt Ion: 88 Resp: 71

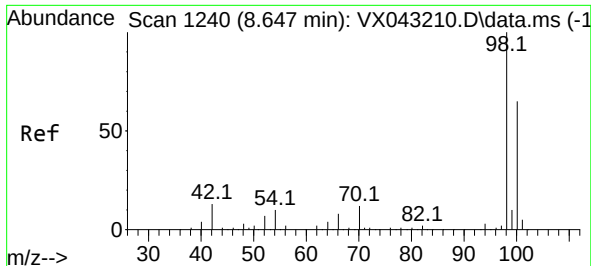
Ion Ratio Lower Upper

88 100

43 1105457.7 29.5 44.3#

58 4321.1 55.2 82.8#

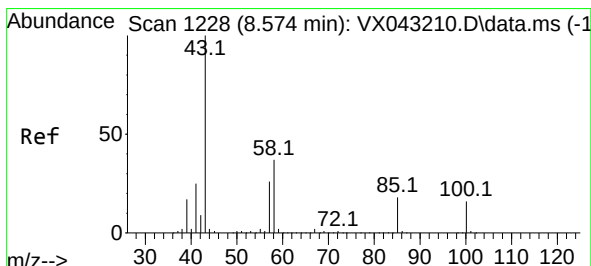
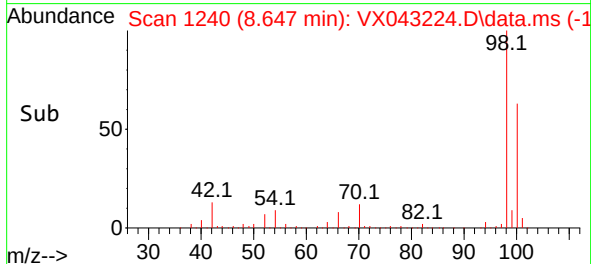
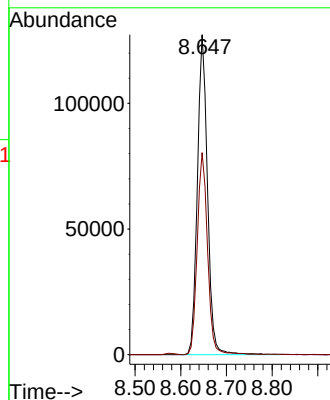
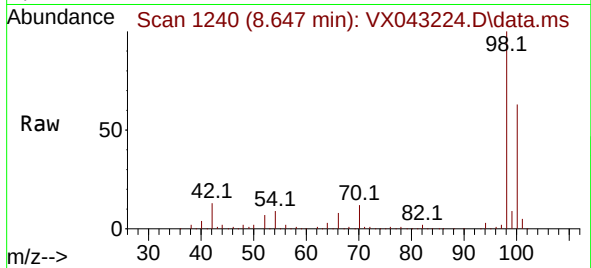




#50
Toluene-d8
Concen: 50.473 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

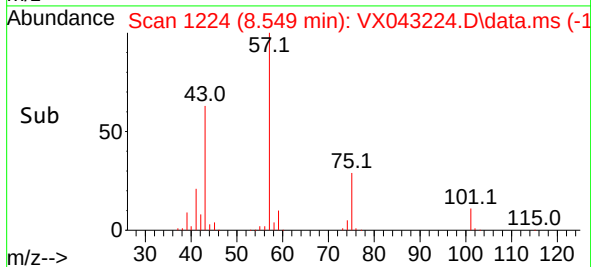
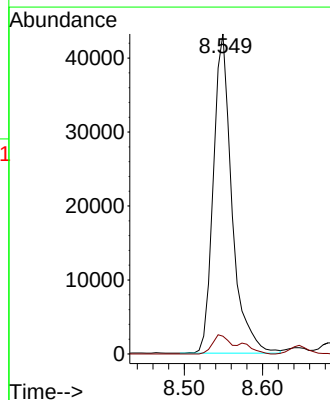
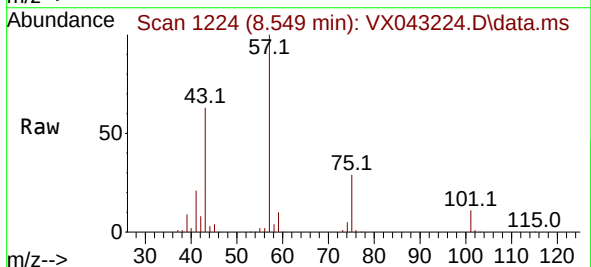
Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#03

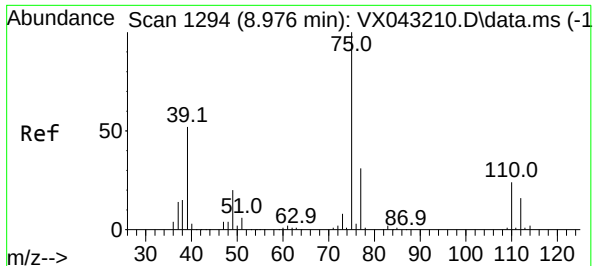
Tgt Ion: 98 Resp: 195833
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 41.766 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

Tgt Ion: 43 Resp: 71167
Ion Ratio Lower Upper
43 100
58 5.9 30.0 45.0#





#53

t-1,3-Dichloropropene

Concen: 0.331 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX043224.D

Acq: 02 Oct 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

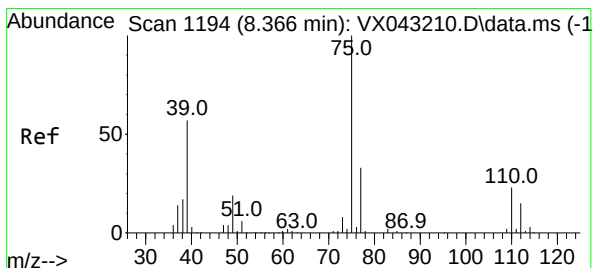
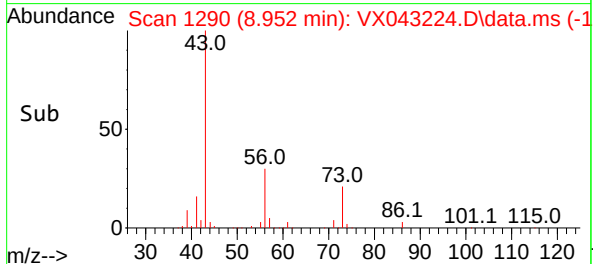
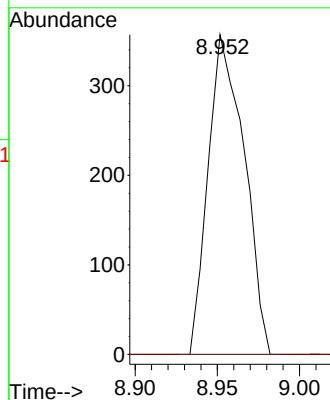
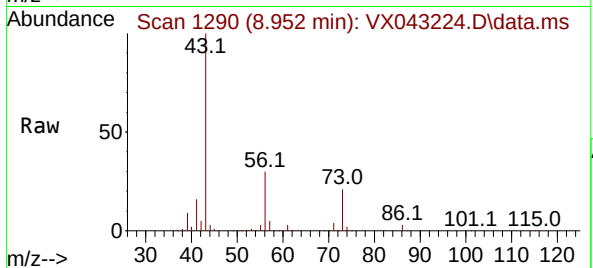
PB163826ZHE#03

Tgt Ion: 75 Resp: 545

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 17.158 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX043224.D

Acq: 02 Oct 2024 12:20

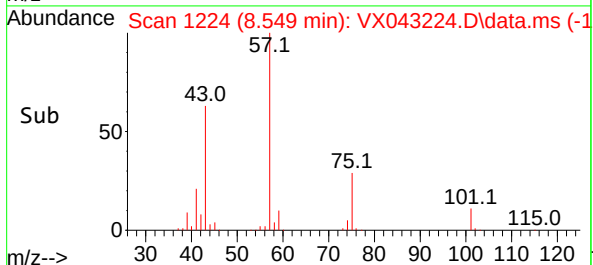
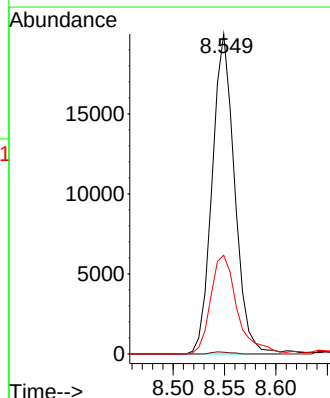
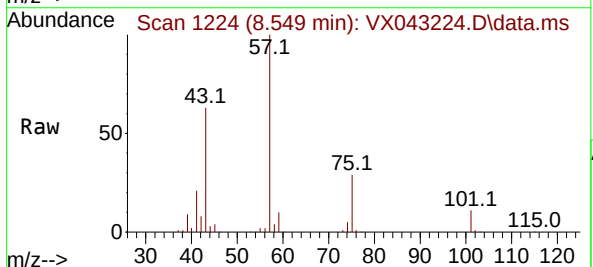
Tgt Ion: 75 Resp: 30319

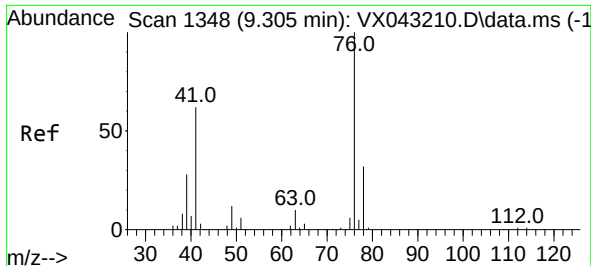
Ion Ratio Lower Upper

75 100

77 0.6 26.0 39.0#

39 30.9 45.8 68.8#





#57

1,3-Dichloropropane

Concen: 1.991 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043224.D

Acq: 02 Oct 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

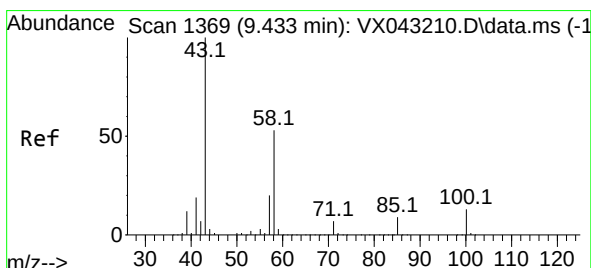
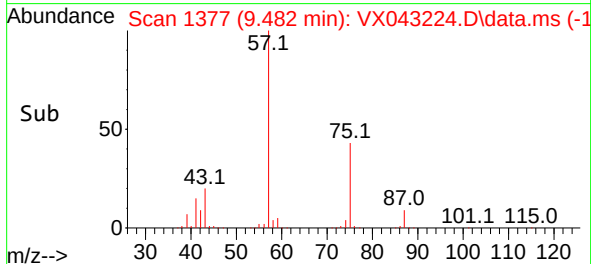
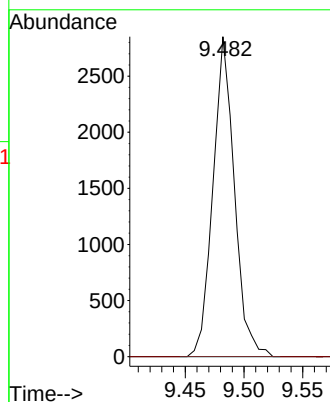
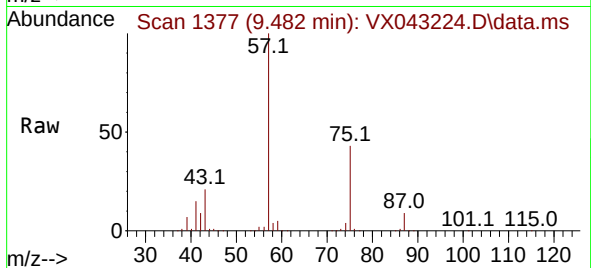
PB163826ZHE#03

Tgt Ion: 76 Resp: 3622

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 42.161 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043224.D

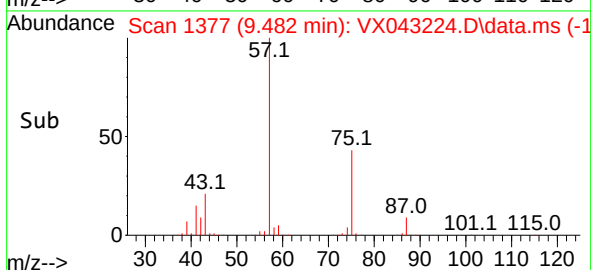
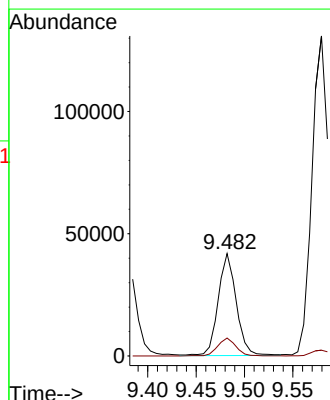
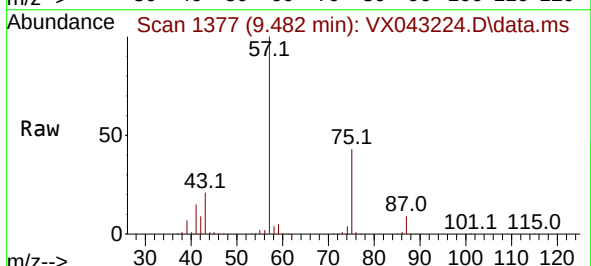
Acq: 02 Oct 2024 12:20

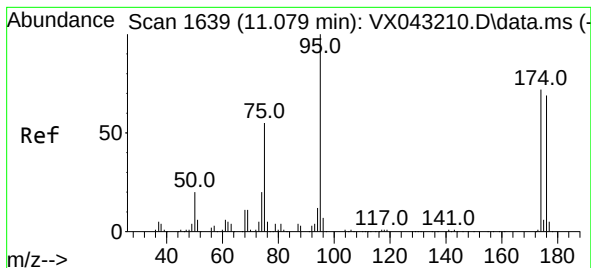
Tgt Ion: 43 Resp: 54326

Ion Ratio Lower Upper

43 100

58 18.0 26.1 78.3#

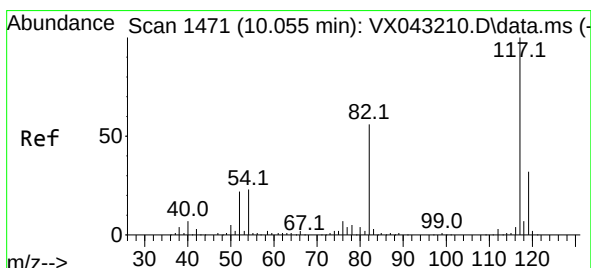
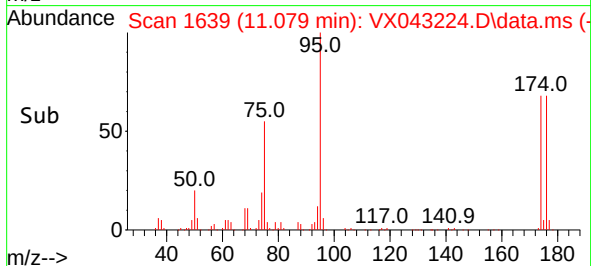
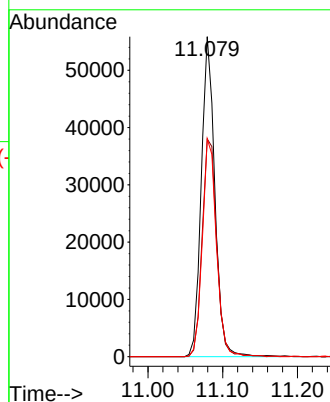
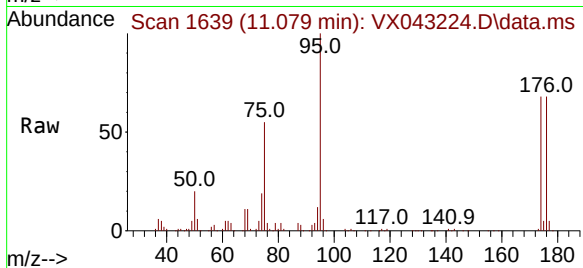




#62
4-Bromofluorobenzene
Concen: 49.990 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

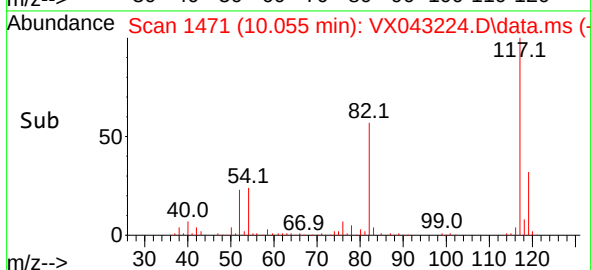
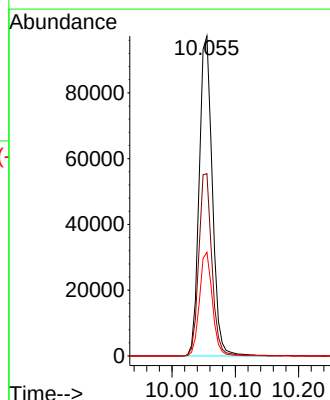
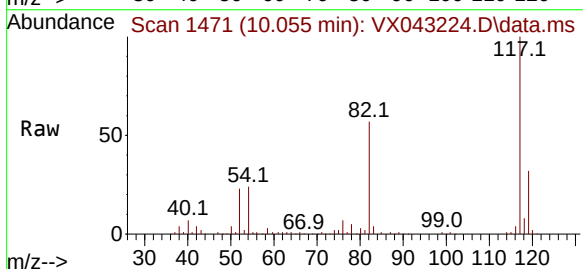
Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#03

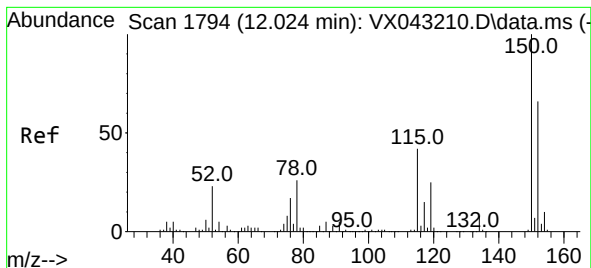
Tgt Ion: 95 Resp: 70463
Ion Ratio Lower Upper
95 100
174 72.8 0.0 145.0
176 70.8 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

Tgt Ion: 117 Resp: 140726
Ion Ratio Lower Upper
117 100
82 56.9 45.0 67.6
119 32.4 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043224.D

Acq: 02 Oct 2024 12:20

Instrument :

MSVOA_X

ClientSampleId :

PB163826ZHE#03

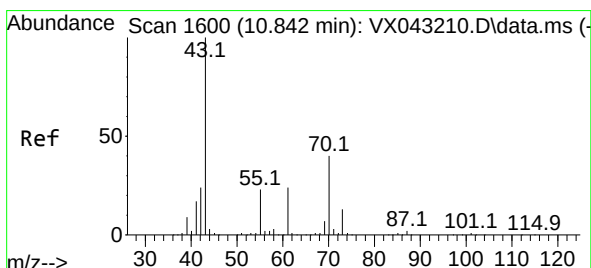
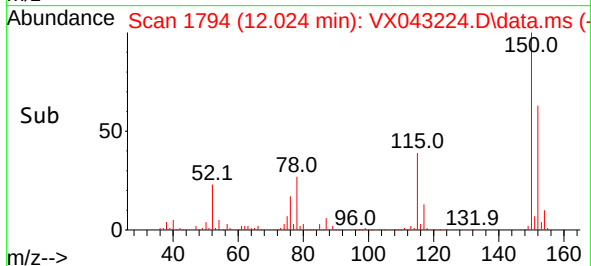
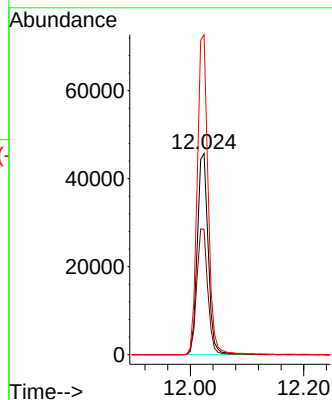
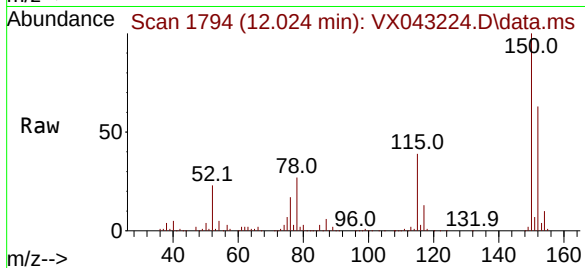
Tgt Ion:152 Resp: 60889

Ion Ratio Lower Upper

152 100

115 63.2 44.1 132.3

150 159.5 0.0 347.4



#74

N-ethyl acetate

Concen: 7.820 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX043224.D

Acq: 02 Oct 2024 12:20

Tgt Ion: 43 Resp: 17573

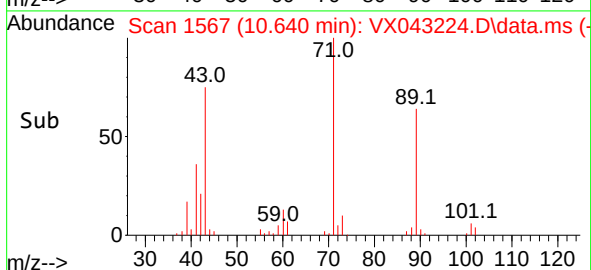
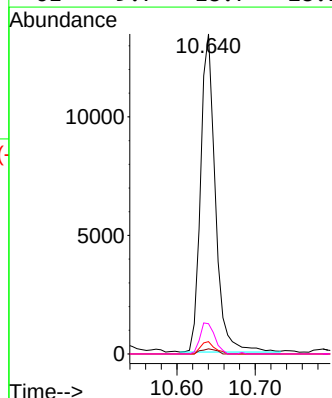
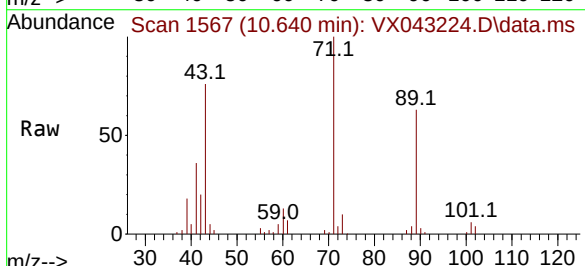
Ion Ratio Lower Upper

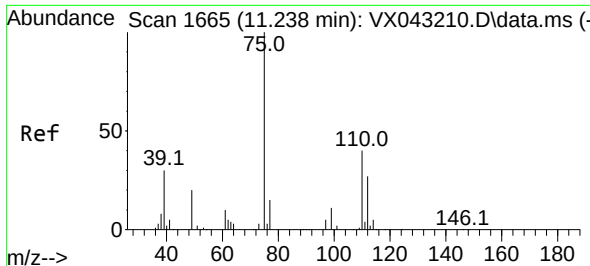
43 100

70 1.7 33.1 49.7#

55 3.7 18.6 27.8#

61 9.7 18.7 28.1#

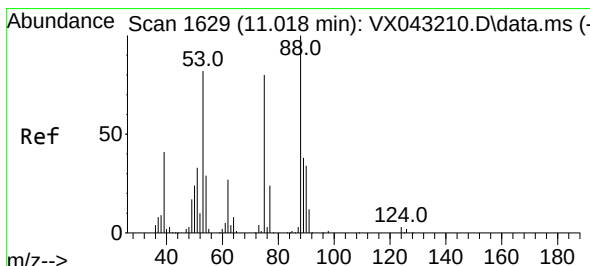
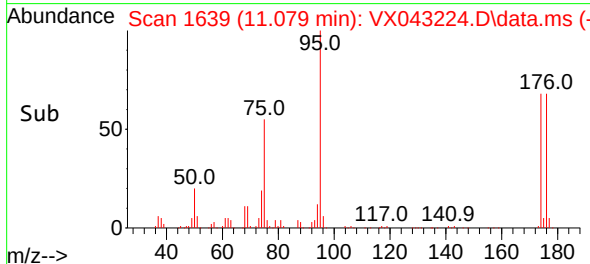
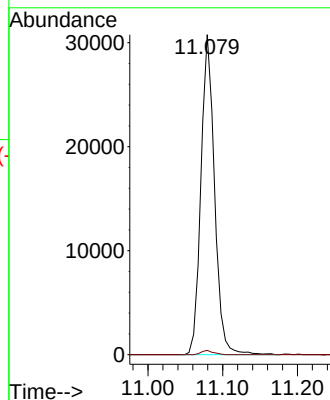
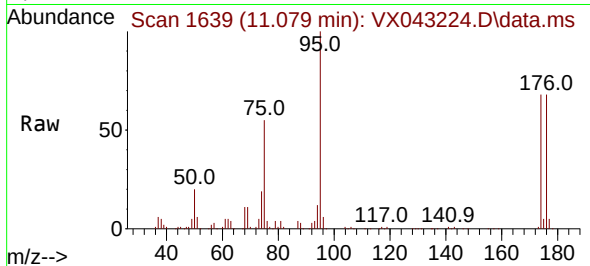




#76
1,2,3-Trichloropropane
Concen: 28.787 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#03

Tgt Ion: 75 Resp: 38879
Ion Ratio Lower Upper
75 100
77 1.2 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.605 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043224.D
Acq: 02 Oct 2024 12:20

Tgt Ion: 75 Resp: 38879
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.1 38.6 58.0#

