

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100224\
 Data File : VX043222.D
 Acq On : 02 Oct 2024 11:34
 Operator : JC/MD
 Sample : PB163826ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB163826ZHE#01

Quant Time: Oct 02 23:00:01 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)

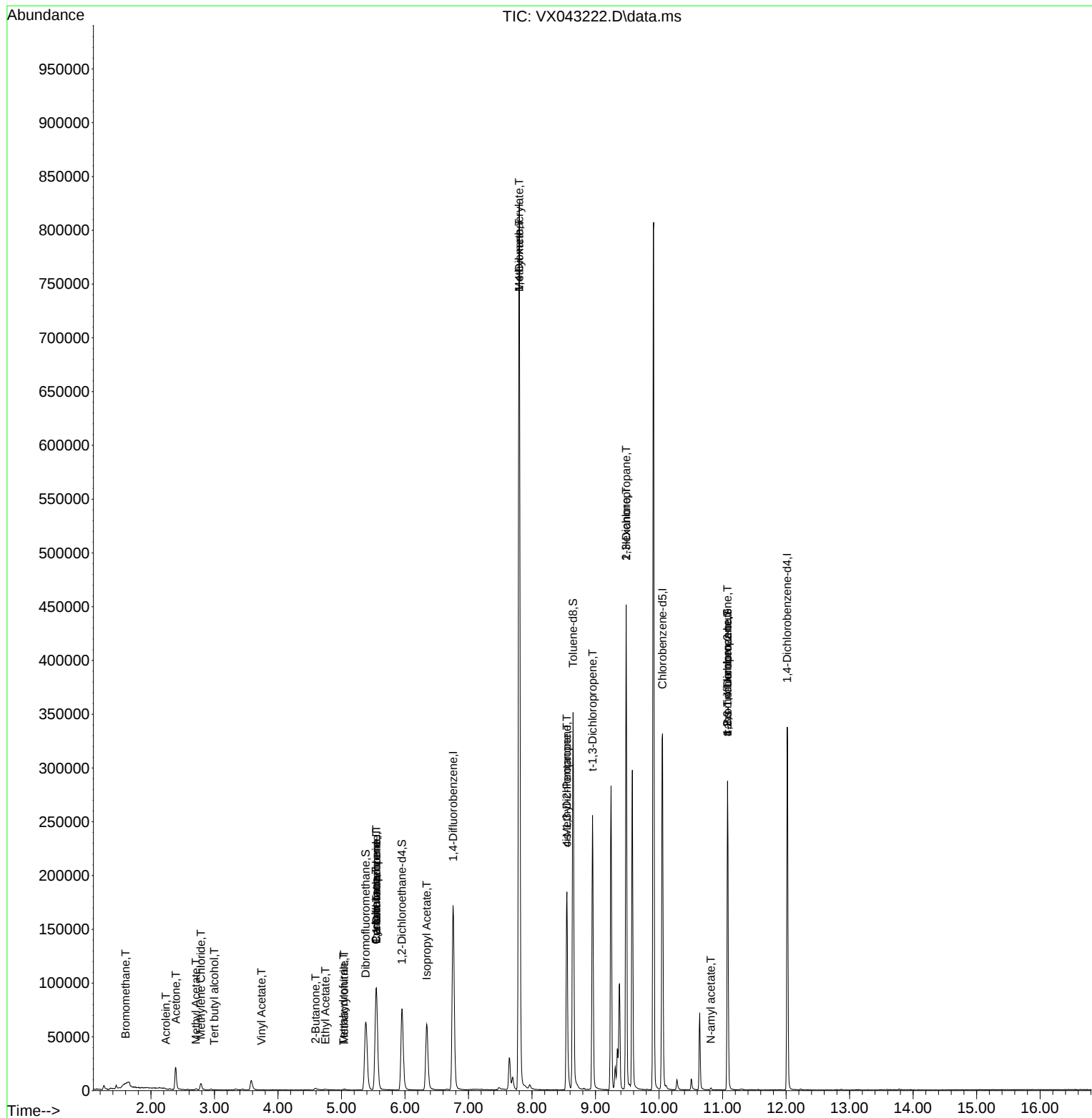
Internal Standards						
1) Pentafluorobenzene	5.550	168	86639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	170387	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	145205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77100	54.490	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.980%			
35) Dibromofluoromethane	5.379	113	57283	48.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.500%			
50) Toluene-d8	8.647	98	203440	49.959	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.920%			
62) 4-Bromofluorobenzene	11.079	95	75129	50.784	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.560%			
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	102	0.240	ug/l #	2
11) Tert butyl alcohol	2.995	59	142	0.527	ug/l #	71
13) Acrolein	2.233	56	145	0.570	ug/l #	1
16) Acetone	2.392	43	25698	43.490	ug/l	92
18) Methyl Acetate	2.709	43	1587	1.071	ug/l	97
20) Methylene Chloride	2.788	84	3304	3.033	ug/l	94
23) Vinyl Acetate	3.739	43	48	6.352	ug/l #	71
25) 2-Butanone	4.593	43	3768	4.651	ug/l	99
29) Tetrahydrofuran	5.032	42	359	0.696	ug/l #	74
31) Cyclohexane	5.544	56	2090	1.369	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	7582	5.108	ug/l #	51
37) Ethyl Acetate	4.745	43	2064	1.158	ug/l #	74
38) Carbon Tetrachloride	5.550	117	9595	5.460	ug/l #	14
41) Methacrylonitrile	5.044	41	427	0.460	ug/l #	45
43) Isopropyl Acetate	6.342	43	88431	30.033	ug/l	99
48) Methyl methacrylate	7.799	41	76209	52.749	ug/l #	45
49) 1,4-Dioxane	7.799	88	127	4.522	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	69947	39.113	ug/l #	47
53) t-1,3-Dichloropropene	8.952	75	459	0.265	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	29086	15.684	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	3797	1.989	ug/l #	43
59) 2-Hexanone	9.482	43	53641	39.665	ug/l #	52
74) N-amyl acetate	10.817	43	550	0.221	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	40527	27.083	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	40527	70.190	ug/l #	8

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100224\
Data File : VX043222.D
Acq On : 02 Oct 2024 11:34
Operator : JC/MD
Sample : PB163826ZHE#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#01

Quant Time: Oct 02 23:00:01 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

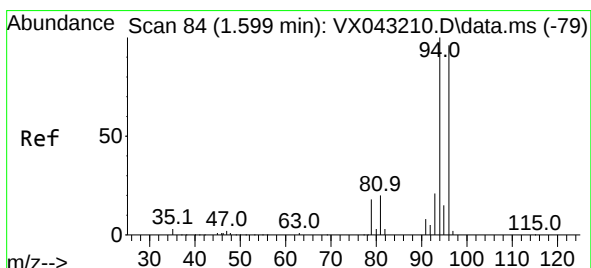
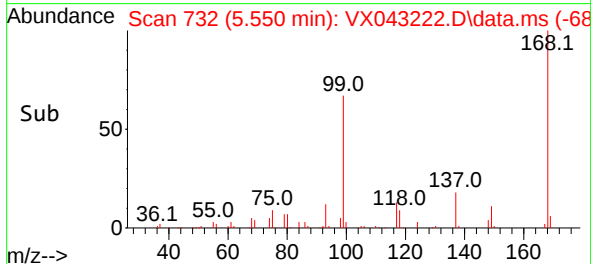
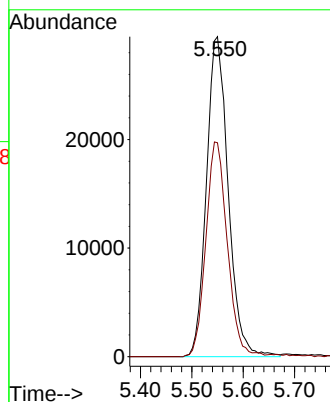
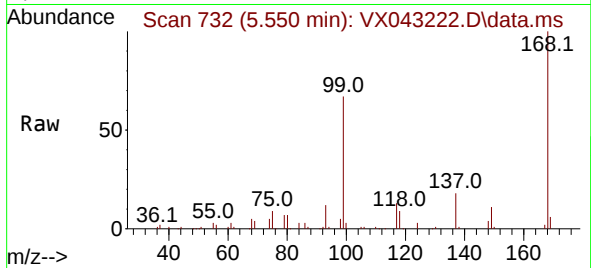




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

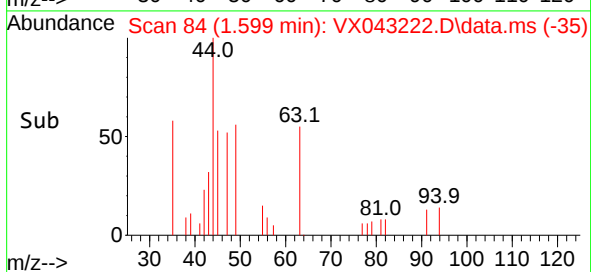
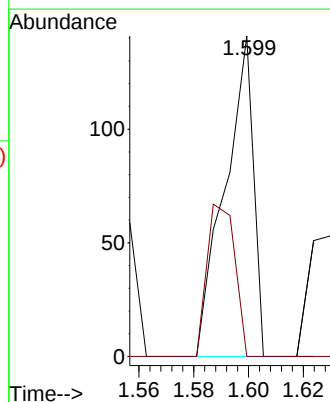
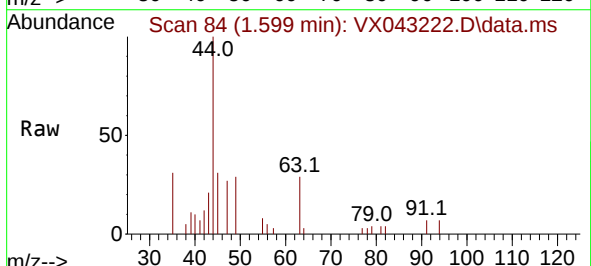
Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#01

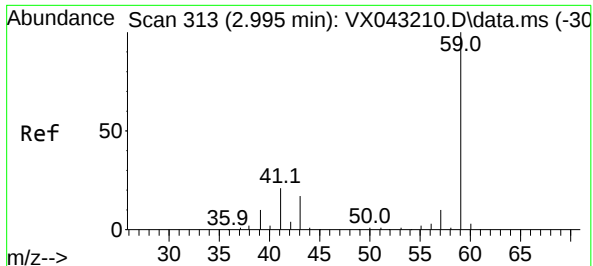
Tgt Ion:168 Resp: 86639
Ion Ratio Lower Upper
168 100
99 66.9 49.7 74.5



#5
Bromomethane
Concen: 0.240 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

Tgt Ion: 94 Resp: 102
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#





#11

Tert butyl alcohol

Concen: 0.527 ug/l

RT: 2.995 min Scan# 313

Delta R.T. 0.000 min

Lab File: VX043222.D

Acq: 02 Oct 2024 11:34

Instrument :

MSVOA_X

ClientSampleId :

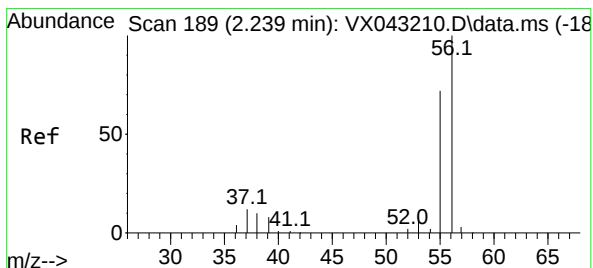
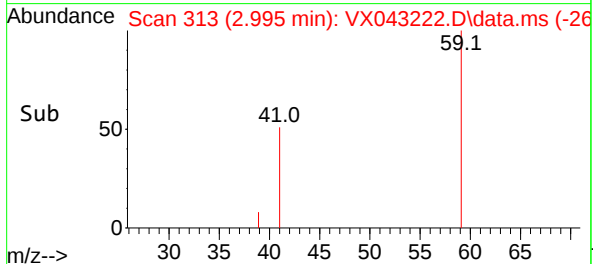
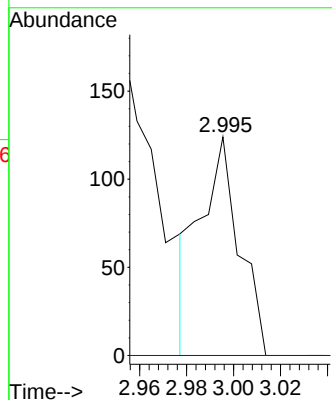
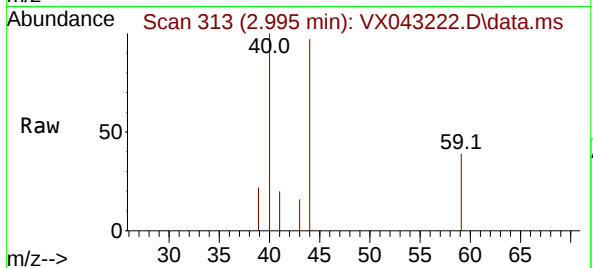
PB163826ZHE#01

Tgt Ion: 59 Resp: 142

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#13

Acrolein

Concen: 0.570 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX043222.D

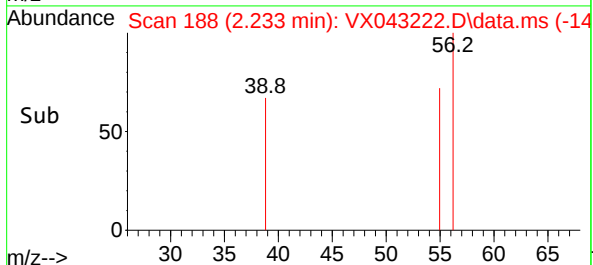
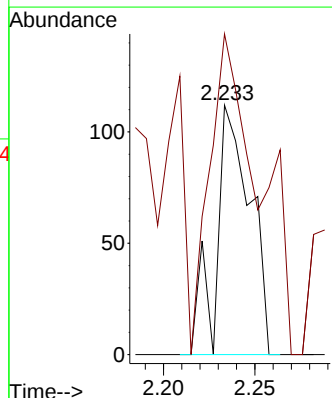
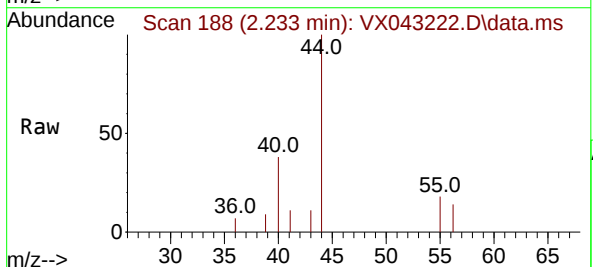
Acq: 02 Oct 2024 11:34

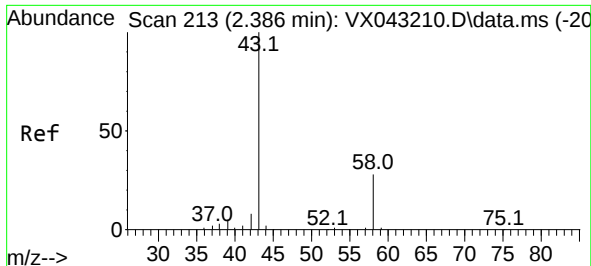
Tgt Ion: 56 Resp: 145

Ion Ratio Lower Upper

56 100

55 186.9 57.4 86.0#

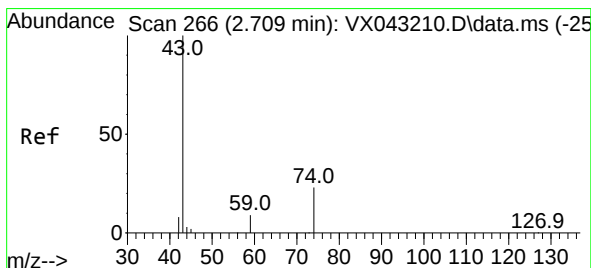
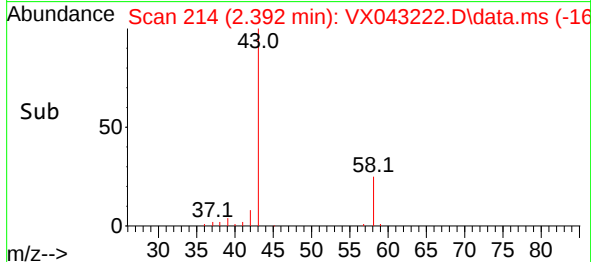
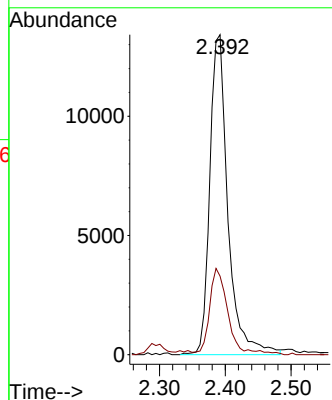
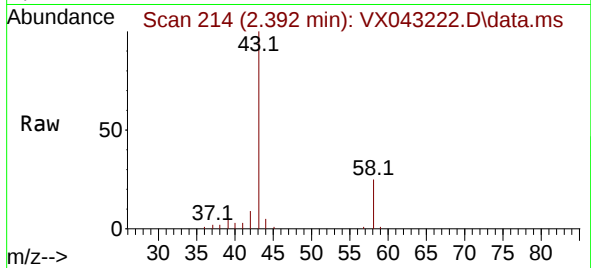




#16
Acetone
Concen: 43.490 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

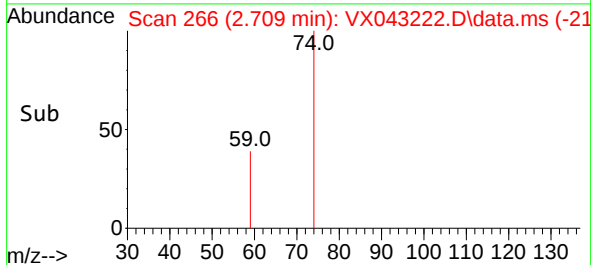
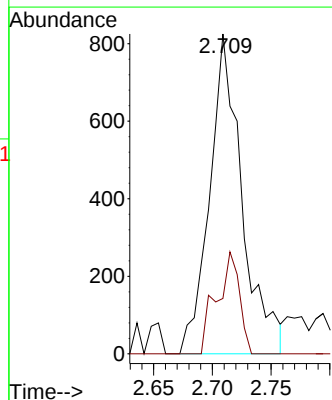
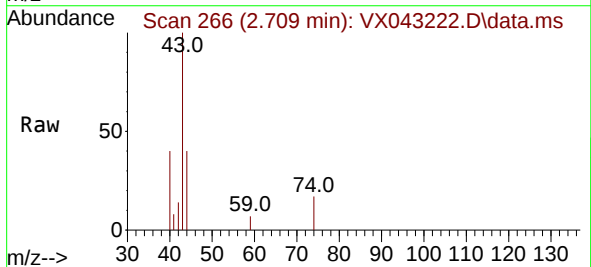
Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#01

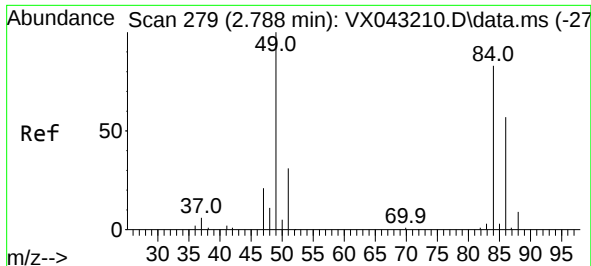
Tgt Ion: 43 Resp: 25698
Ion Ratio Lower Upper
43 100
58 24.1 22.6 33.8



#18
Methyl Acetate
Concen: 1.071 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

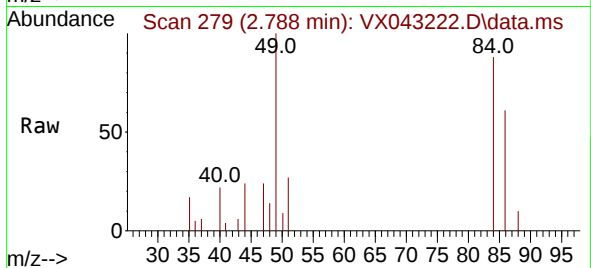
Tgt Ion: 43 Resp: 1587
Ion Ratio Lower Upper
43 100
74 22.2 19.1 28.7



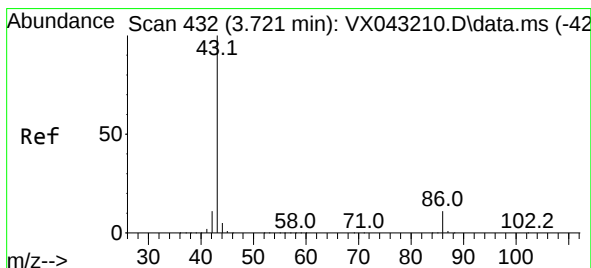
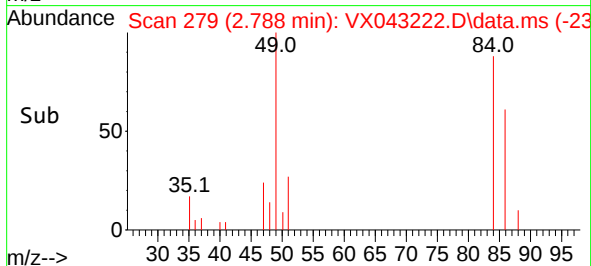
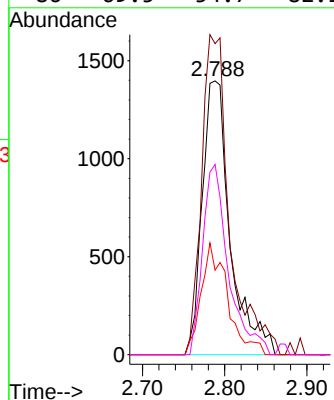


#20
Methylene Chloride
Concen: 3.033 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#01

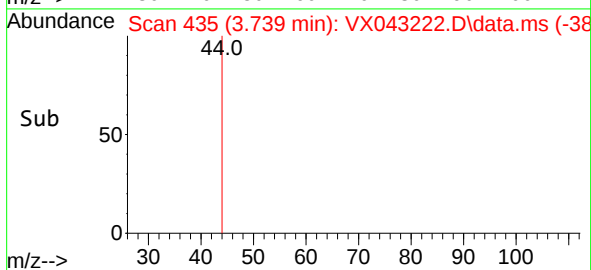
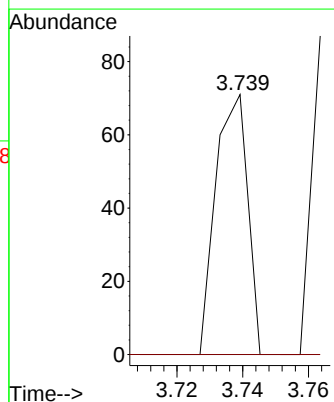
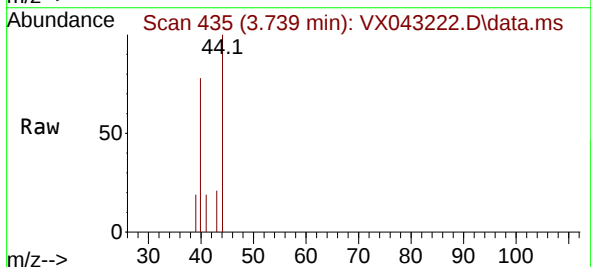


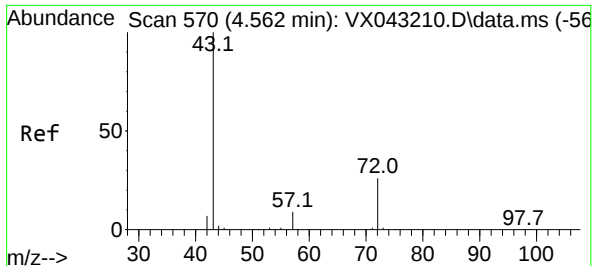
Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.6	96.7	145.1
51	30.9	30.4	45.6
86	69.5	54.7	82.1



#23
Vinyl Acetate
Concen: 6.352 ug/l
RT: 3.739 min Scan# 435
Delta R.T. 0.018 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

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





#25

2-Butanone

Concen: 4.651 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX043222.D

Acq: 02 Oct 2024 11:34

Instrument :

MSVOA_X

ClientSampleId :

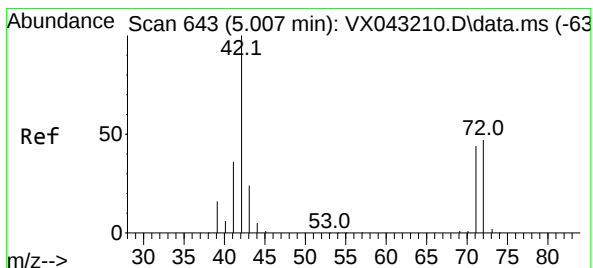
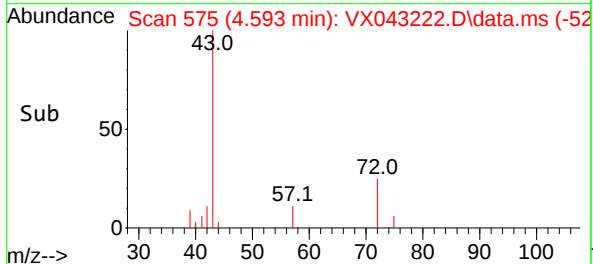
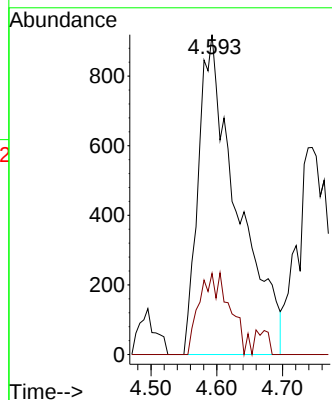
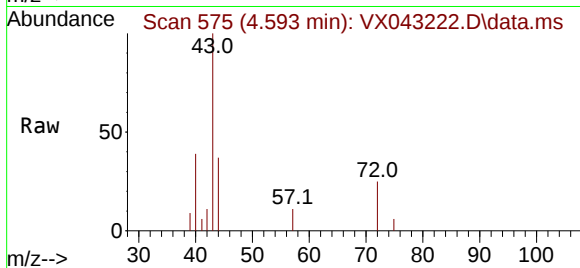
PB163826ZHE#01

Tgt Ion: 43 Resp: 3768

Ion Ratio Lower Upper

43 100

72 25.4 20.6 31.0



#29

Tetrahydrofuran

Concen: 0.696 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.024 min

Lab File: VX043222.D

Acq: 02 Oct 2024 11:34

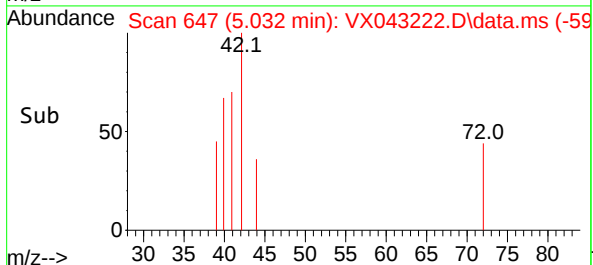
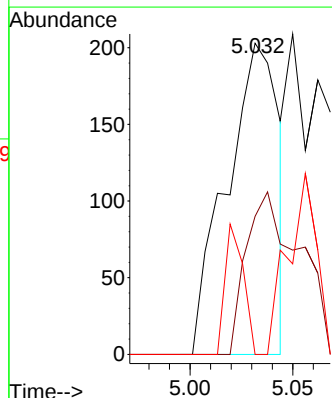
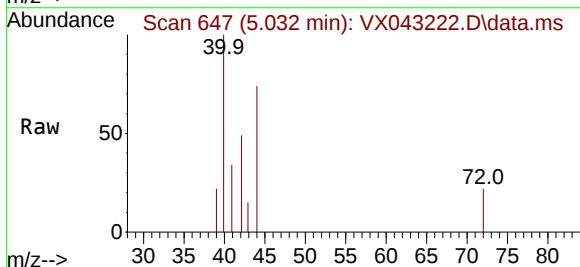
Tgt Ion: 42 Resp: 359

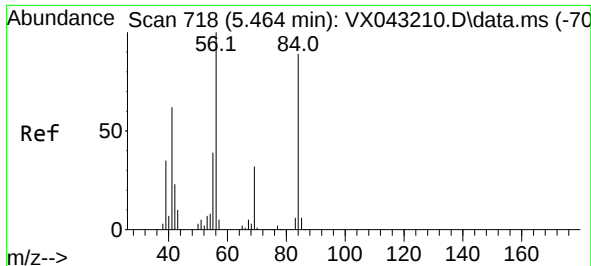
Ion Ratio Lower Upper

42 100

72 52.9 37.7 56.5

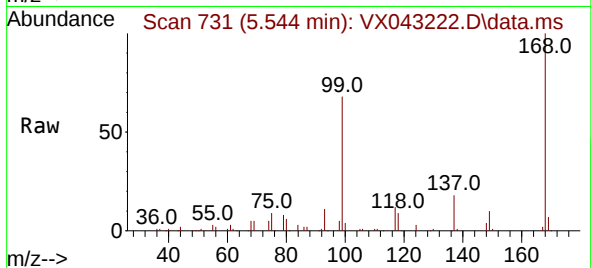
71 14.8 34.6 52.0#



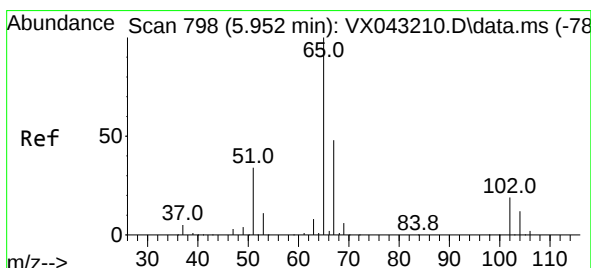
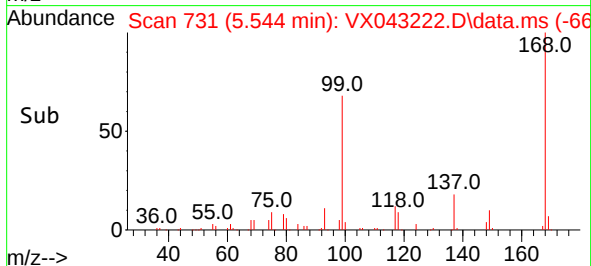
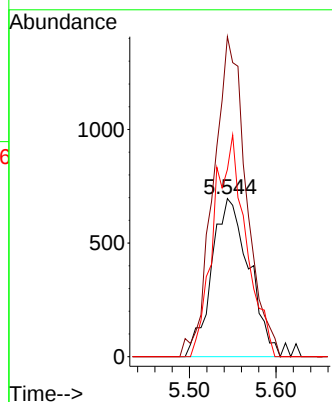


#31
Cyclohexane
Concen: 1.369 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#01

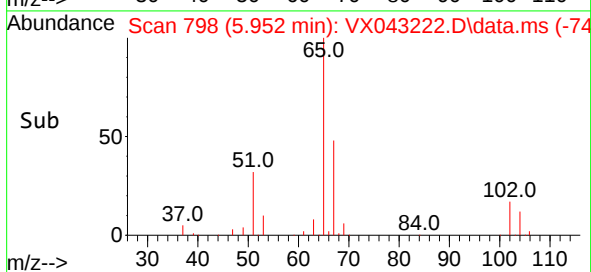
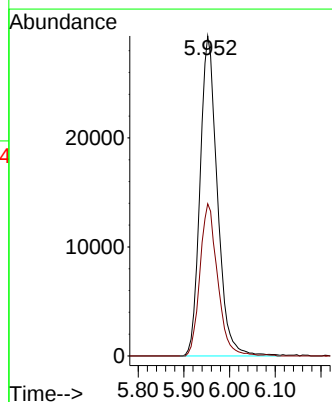
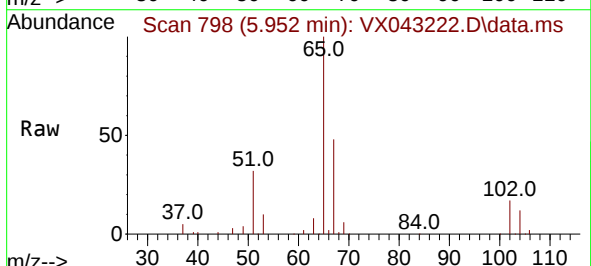


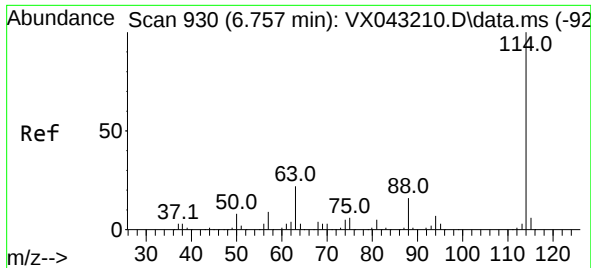
Tgt Ion: 56 Resp: 2090
Ion Ratio Lower Upper
56 100
69 202.3 25.8 38.6#
84 118.4 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 54.490 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

Tgt Ion: 65 Resp: 77100
Ion Ratio Lower Upper
65 100
67 48.5 0.0 99.0

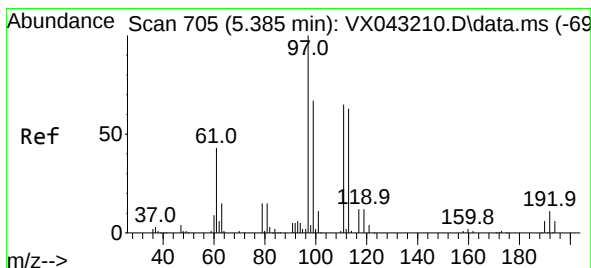
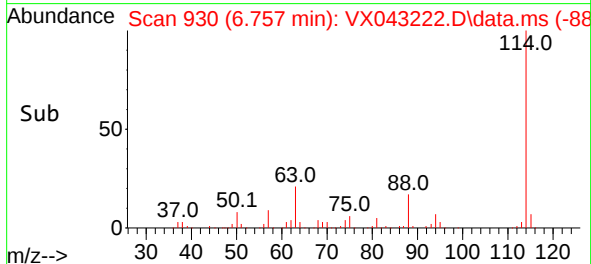
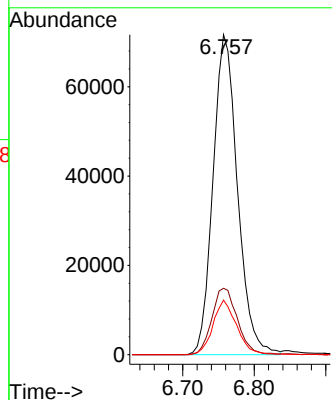
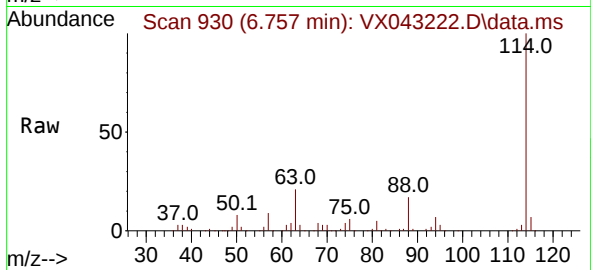




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

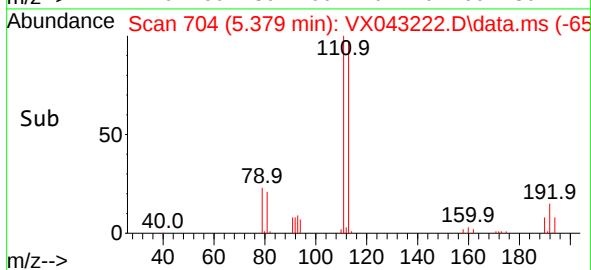
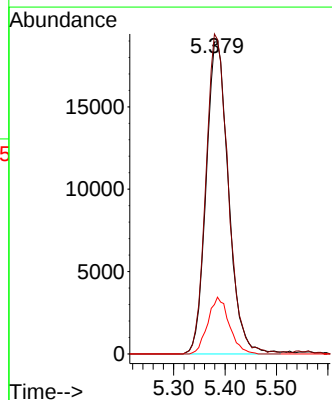
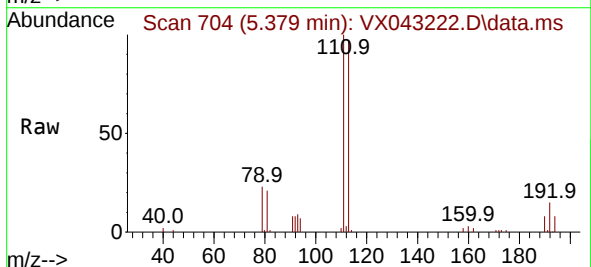
Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#01

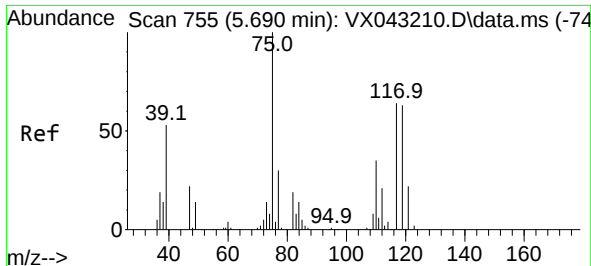
Tgt Ion:114 Resp: 170387
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.0
88 17.1 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.749 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

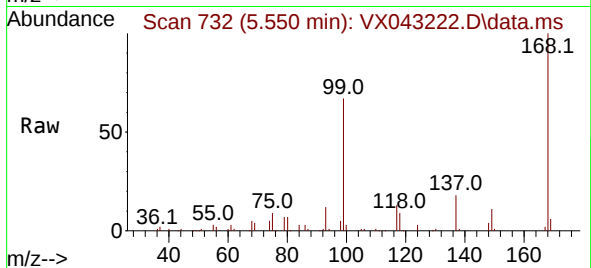
Tgt Ion:113 Resp: 57283
Ion Ratio Lower Upper
113 100
111 102.3 83.4 125.0
192 17.4 14.1 21.1



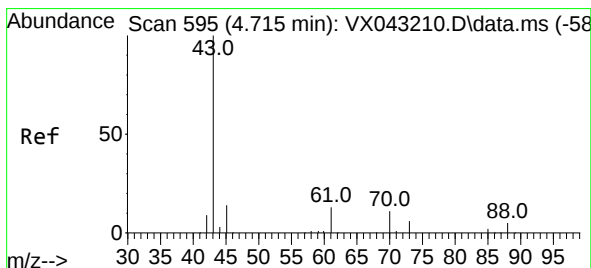
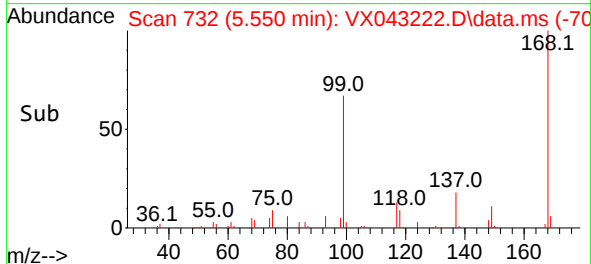
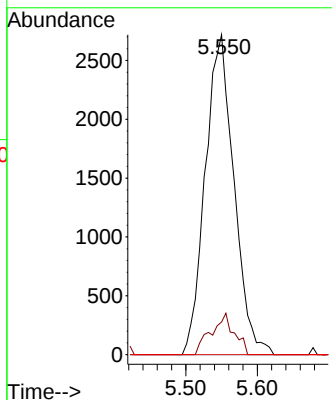


#36
1,1-Dichloropropene
Concen: 5.108 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#01

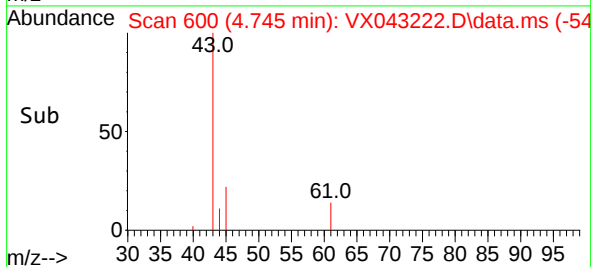
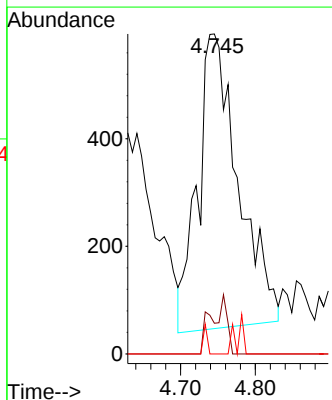
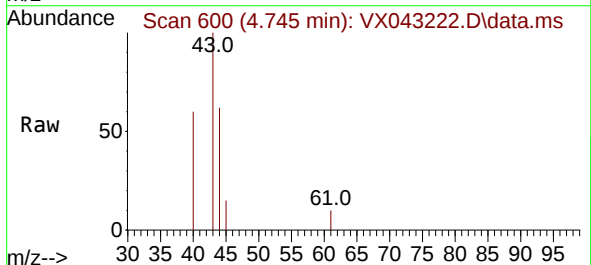


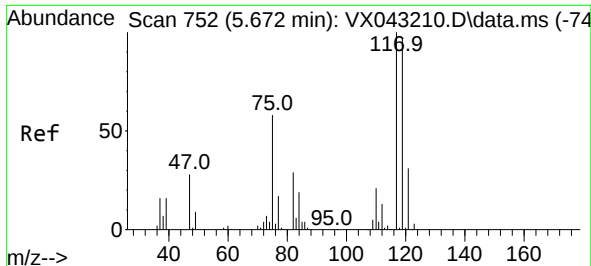
Tgt Ion: 75 Resp: 7582
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.3#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 1.158 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.031 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

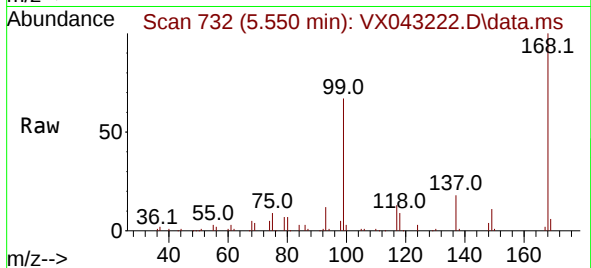
Tgt Ion: 43 Resp: 2064
Ion Ratio Lower Upper
43 100
61 4.0 11.0 16.4#
70 0.0 8.9 13.3#



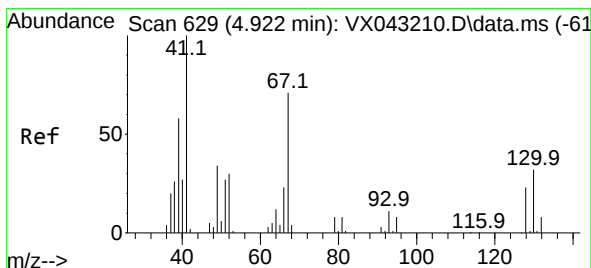
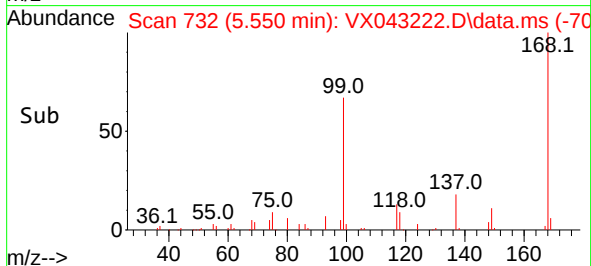
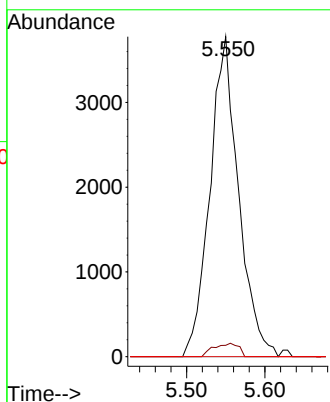


#38
Carbon Tetrachloride
Concen: 5.460 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#01

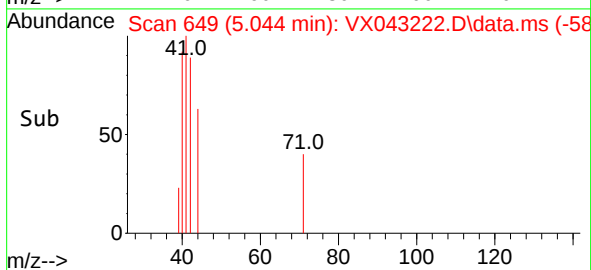
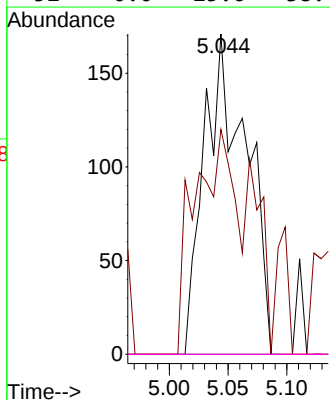
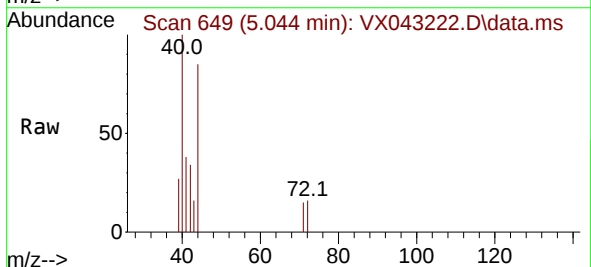


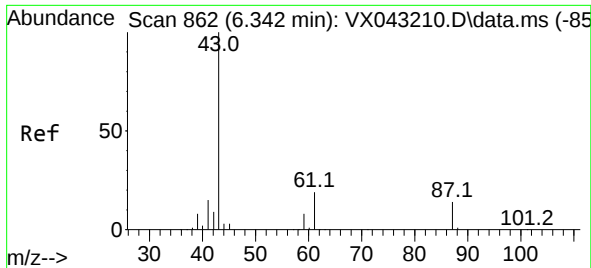
Tgt Ion:117 Resp: 9595
Ion Ratio Lower Upper
117 100
119 3.6 77.7 116.5#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 0.460 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

Tgt Ion: 41 Resp: 427
Ion Ratio Lower Upper
41 100
39 68.4 45.0 67.4#
67 0.0 56.0 84.0#
52 0.0 25.6 38.4#

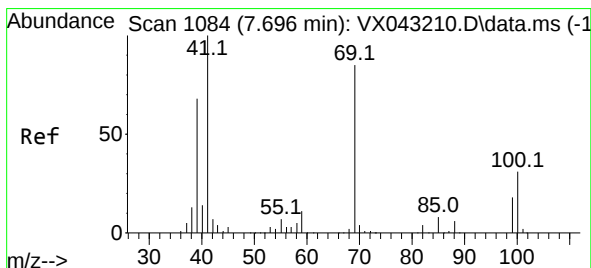
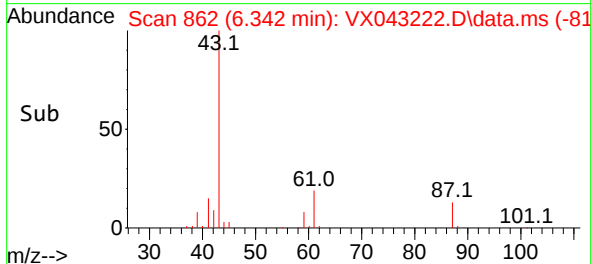
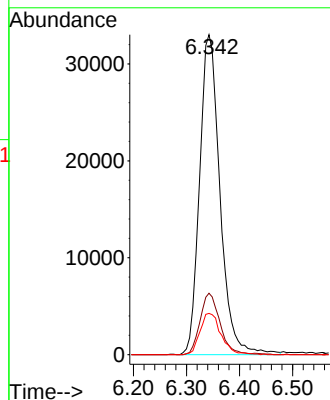
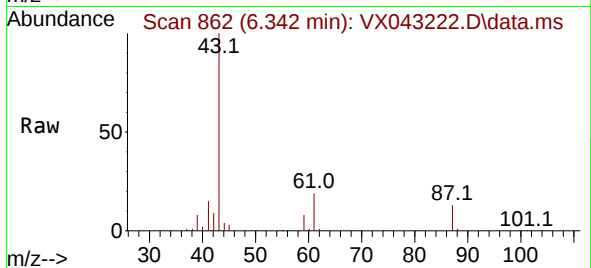




#43
Isopropyl Acetate
Concen: 30.033 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

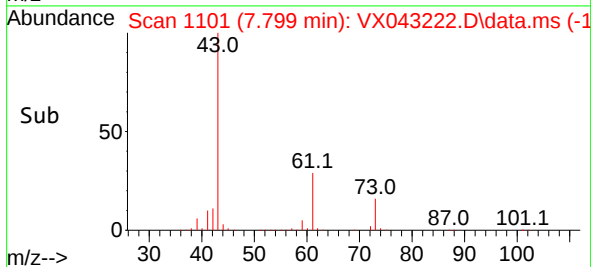
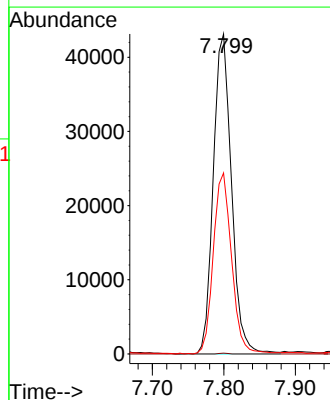
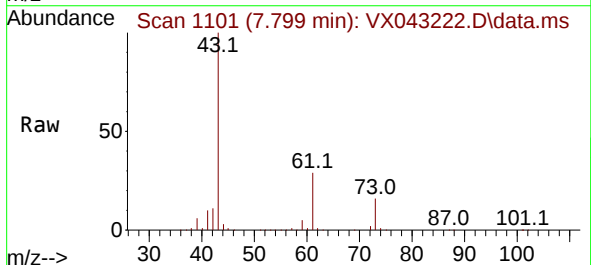
Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#01

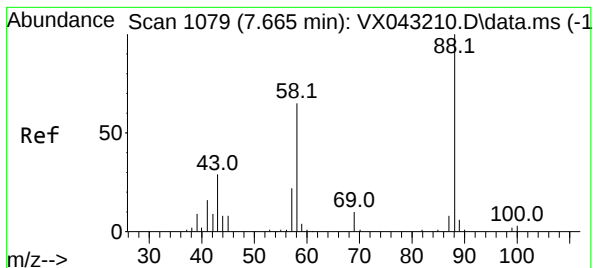
Tgt Ion: 43 Resp: 88431
Ion Ratio Lower Upper
43 100
61 18.6 15.1 22.7
87 13.3 10.8 16.2



#48
Methyl methacrylate
Concen: 52.749 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

Tgt Ion: 41 Resp: 76209
Ion Ratio Lower Upper
41 100
69 0.1 64.1 96.1#
39 57.0 52.8 79.2





#49

1,4-Dioxane

Concen: 4.522 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX043222.D

Acq: 02 Oct 2024 11:34

Instrument :

MSVOA_X

ClientSampleId :

PB163826ZHE#01

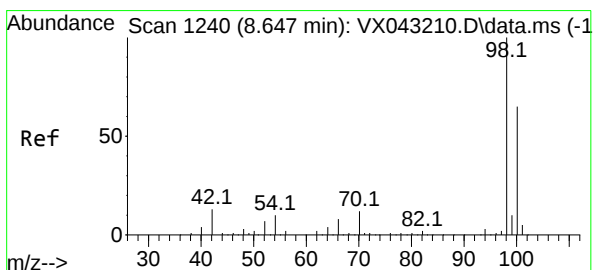
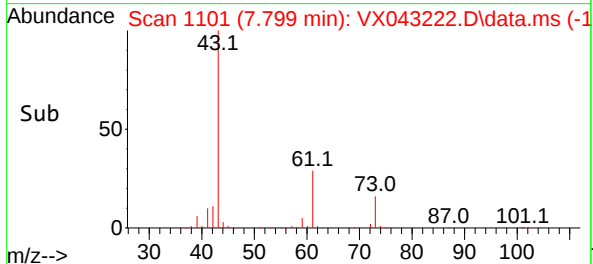
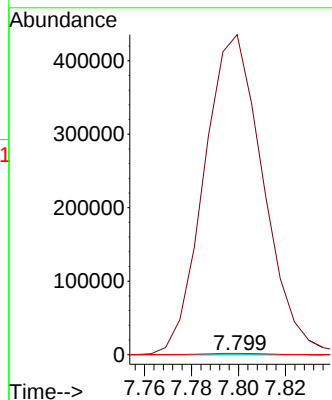
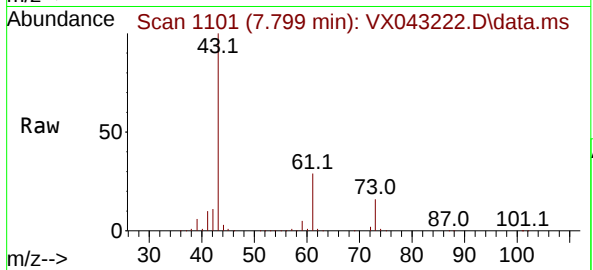
Tgt Ion: 88 Resp: 127

Ion Ratio Lower Upper

88 100

43 610266.9 29.5 44.3#

58 2578.7 55.2 82.8#



#50

Toluene-d8

Concen: 49.959 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043222.D

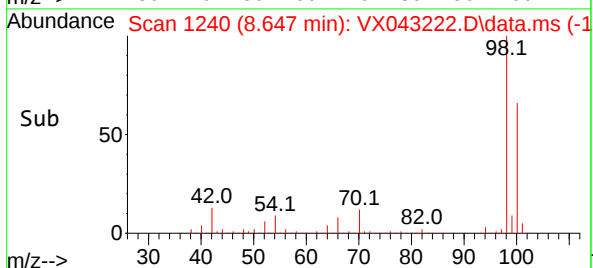
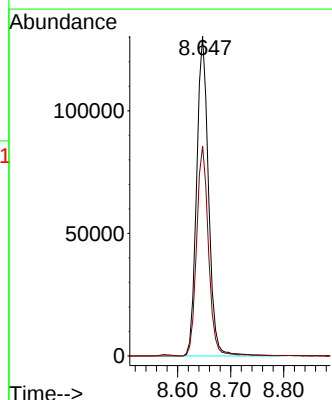
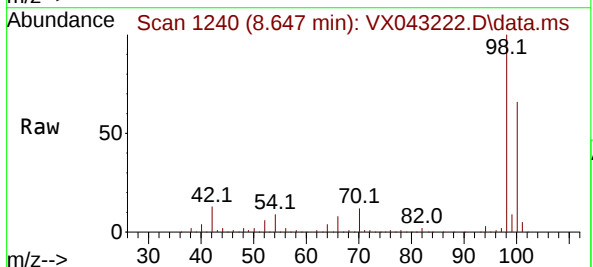
Acq: 02 Oct 2024 11:34

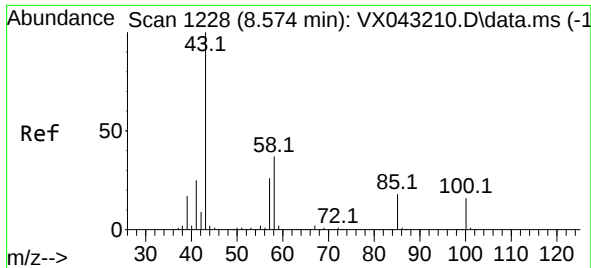
Tgt Ion: 98 Resp: 203440

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6

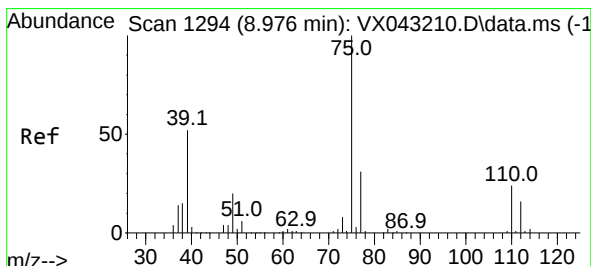
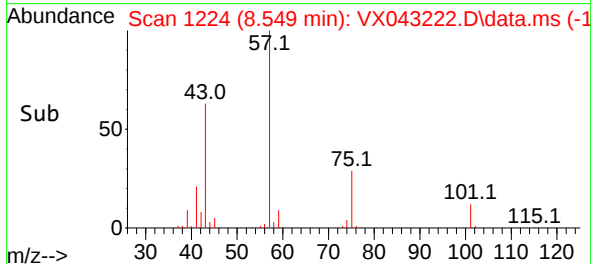
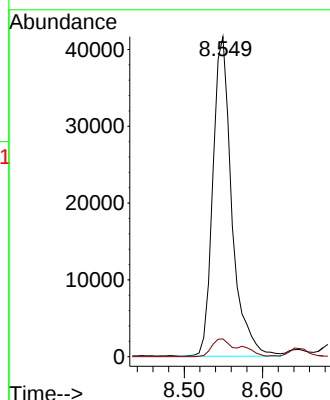
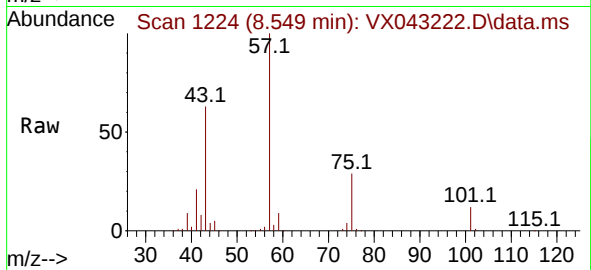




#51
4-Methyl-2-Pentanone
Concen: 39.113 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

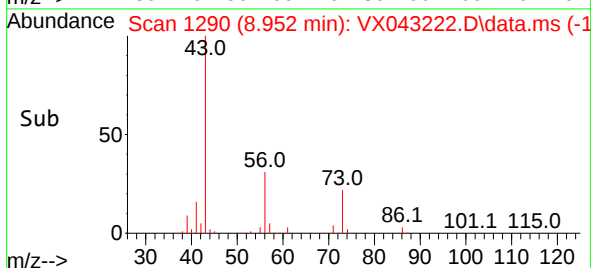
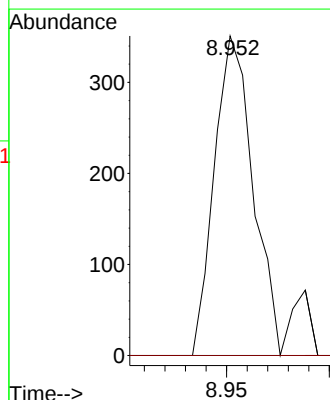
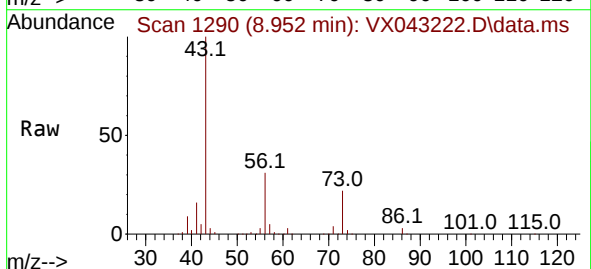
Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#01

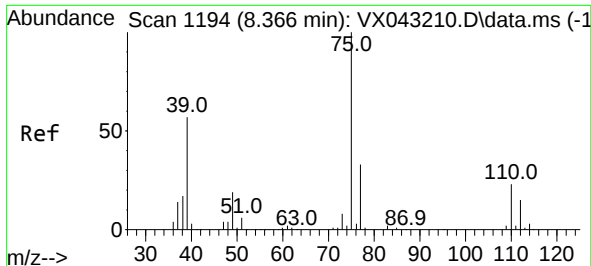
Tgt Ion: 43 Resp: 69947
Ion Ratio Lower Upper
43 100
58 5.9 30.0 45.0#



#53
t-1,3-Dichloropropene
Concen: 0.265 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

Tgt Ion: 75 Resp: 459
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

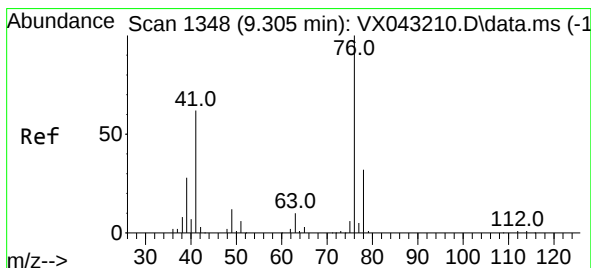
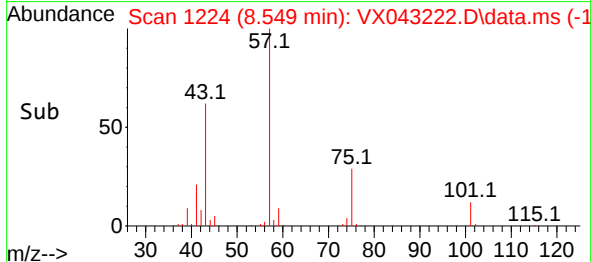
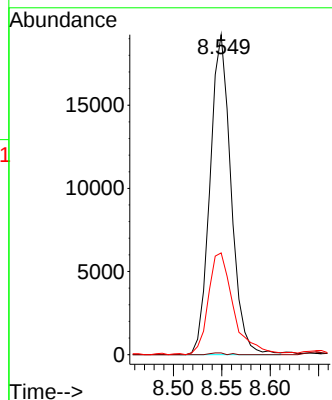
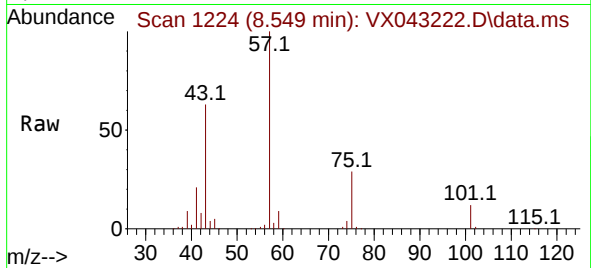




#54
 cis-1,3-Dichloropropene
 Concen: 15.684 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043222.D
 Acq: 02 Oct 2024 11:34

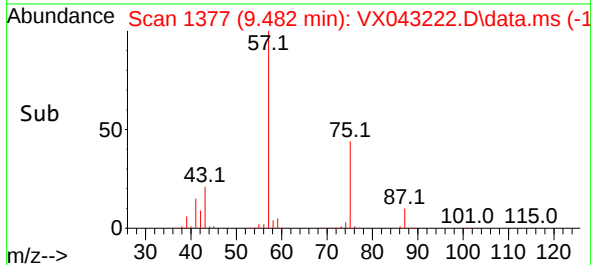
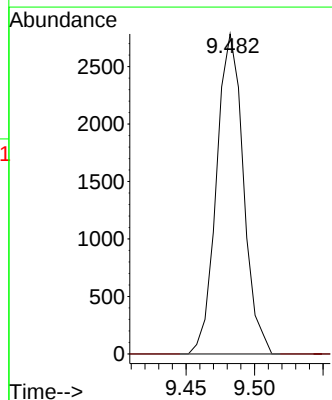
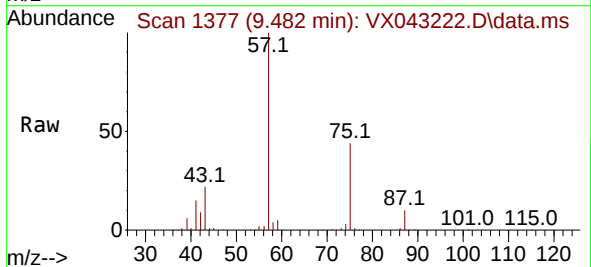
Instrument :
 MSVOA_X
 ClientSampleId :
 PB163826ZHE#01

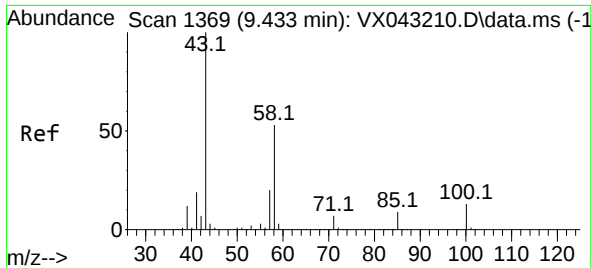
Tgt Ion: 75 Resp: 29086
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.0 39.0#
 39 31.5 45.8 68.8#



#57
 1,3-Dichloropropane
 Concen: 1.989 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX043222.D
 Acq: 02 Oct 2024 11:34

Tgt Ion: 76 Resp: 3797
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

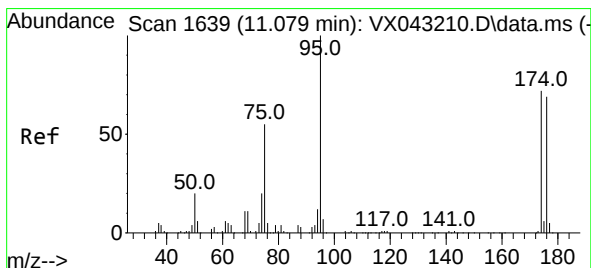
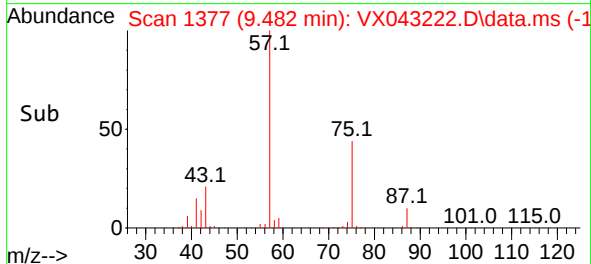
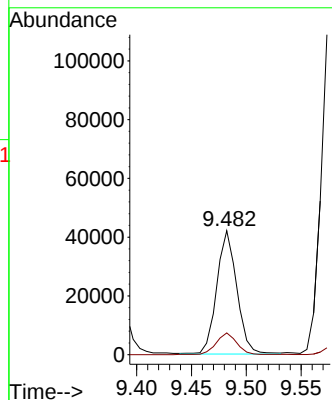
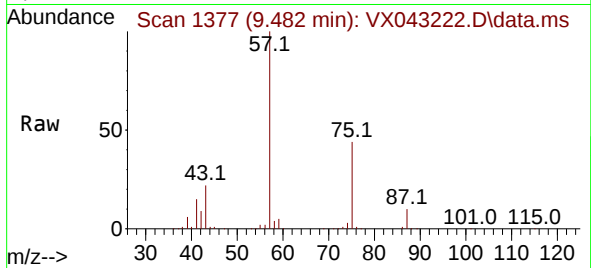




#59
2-Hexanone
Concen: 39.665 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

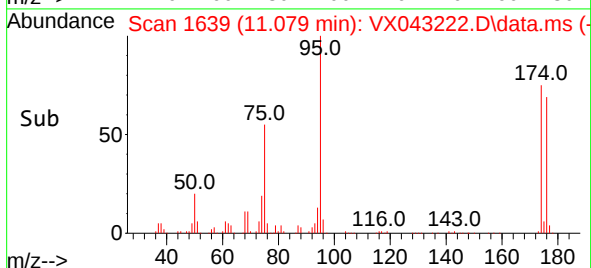
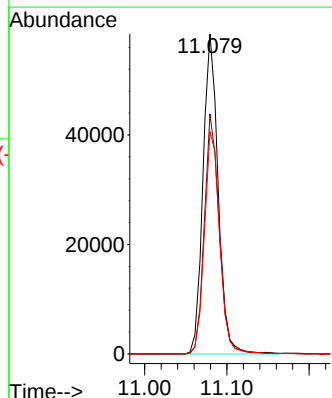
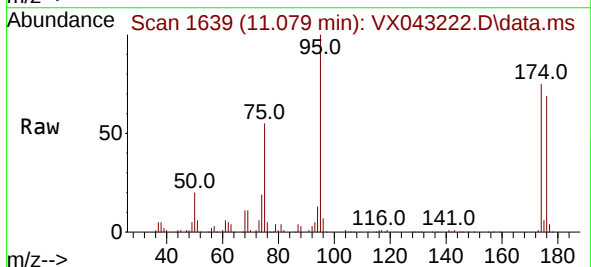
Instrument :
MSVOA_X
ClientSampleId :
PB163826ZHE#01

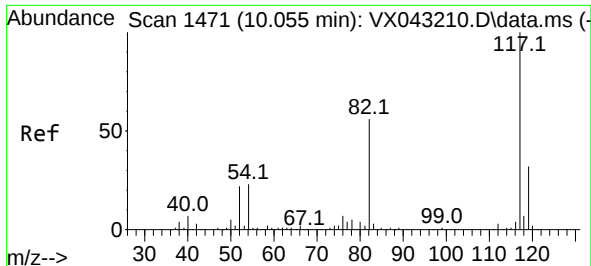
Tgt Ion: 43 Resp: 53641
Ion Ratio Lower Upper
43 100
58 18.6 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 50.784 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043222.D
Acq: 02 Oct 2024 11:34

Tgt Ion: 95 Resp: 75129
Ion Ratio Lower Upper
95 100
174 73.8 0.0 145.0
176 70.1 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: VX043222.D

Acq: 02 Oct 2024 11:34

Instrument :

MSVOA_X

ClientSampleId :

PB163826ZHE#01

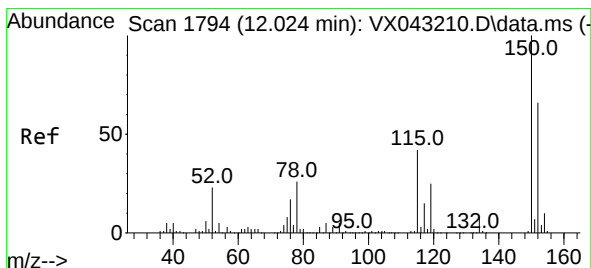
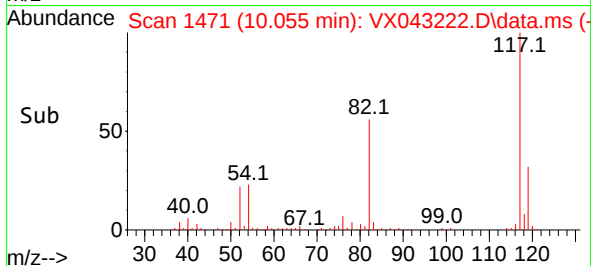
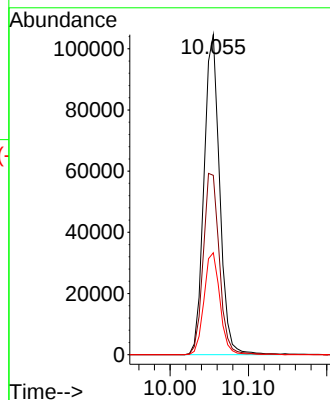
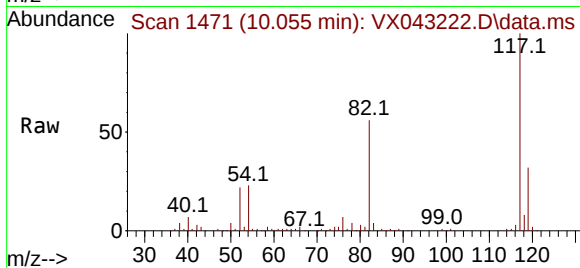
Tgt Ion:117 Resp: 145205

Ion Ratio Lower Upper

117 100

82 56.1 45.0 67.6

119 31.9 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043222.D

Acq: 02 Oct 2024 11:34

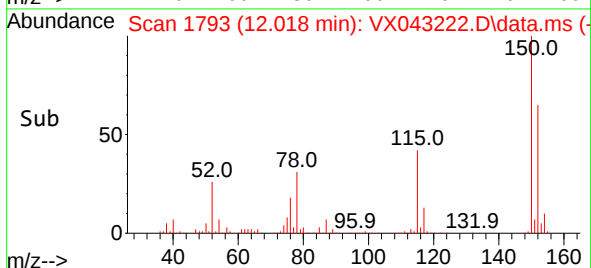
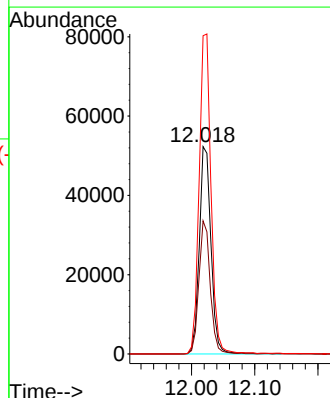
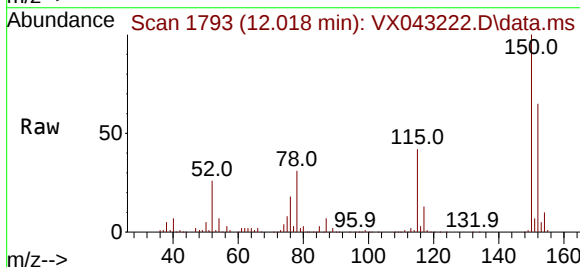
Tgt Ion:152 Resp: 67463

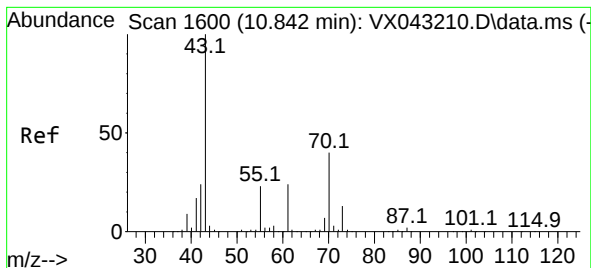
Ion Ratio Lower Upper

152 100

115 62.4 44.1 132.3

150 156.3 0.0 347.4





#74

N-amy1 acetate

Concen: 0.221 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

Lab File: VX043222.D

Acq: 02 Oct 2024 11:34

Instrument :

MSVOA_X

ClientSampleId :

PB163826ZHE#01

Tgt Ion: 43 Resp: 550

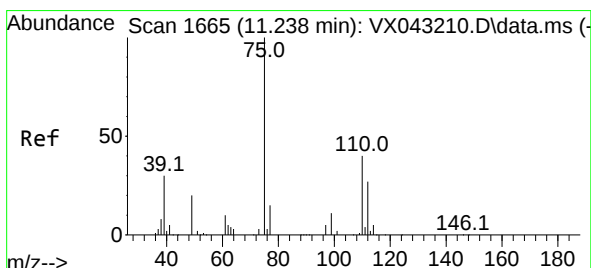
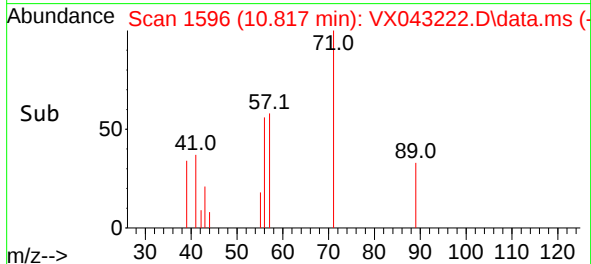
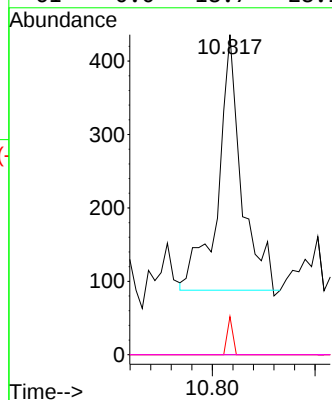
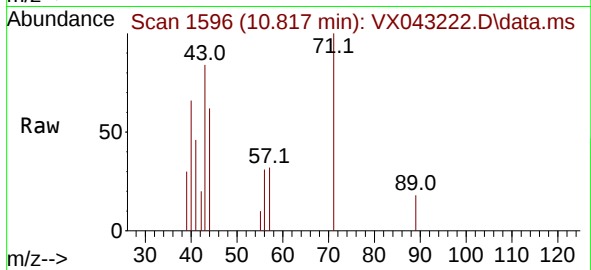
Ion Ratio Lower Upper

43 100

70 0.0 33.1 49.7#

55 0.0 18.6 27.8#

61 0.0 18.7 28.1#



#76

1,2,3-Trichloropropane

Concen: 27.083 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX043222.D

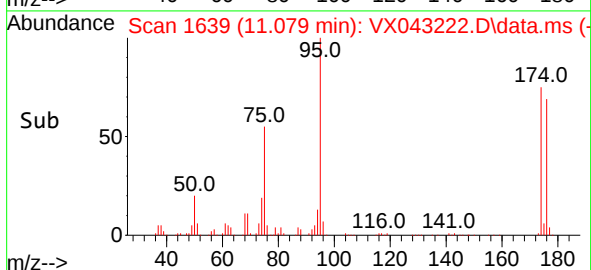
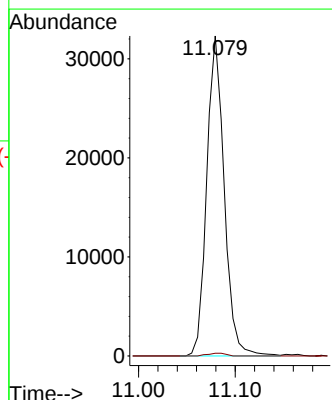
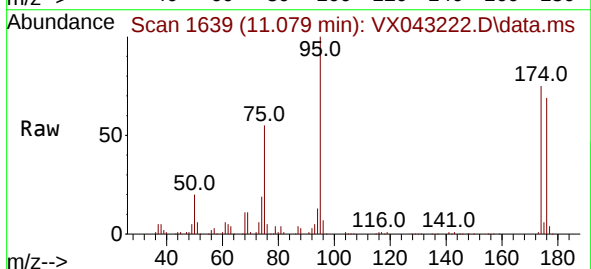
Acq: 02 Oct 2024 11:34

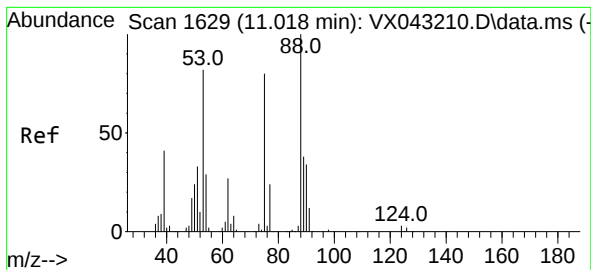
Tgt Ion: 75 Resp: 40527

Ion Ratio Lower Upper

75 100

77 0.9 22.0 66.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.190 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043222.D
 Acq: 02 Oct 2024 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 PB163826ZHE#01

Tgt Ion: 75 Resp: 40527
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.9 125.9#
 89 0.0 38.6 58.0#

