

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
 Data File : VX041792.D
 Acq On : 07 Jun 2024 16:42
 Operator : JC/MD
 Sample : PB161359ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB161359ZHE#01

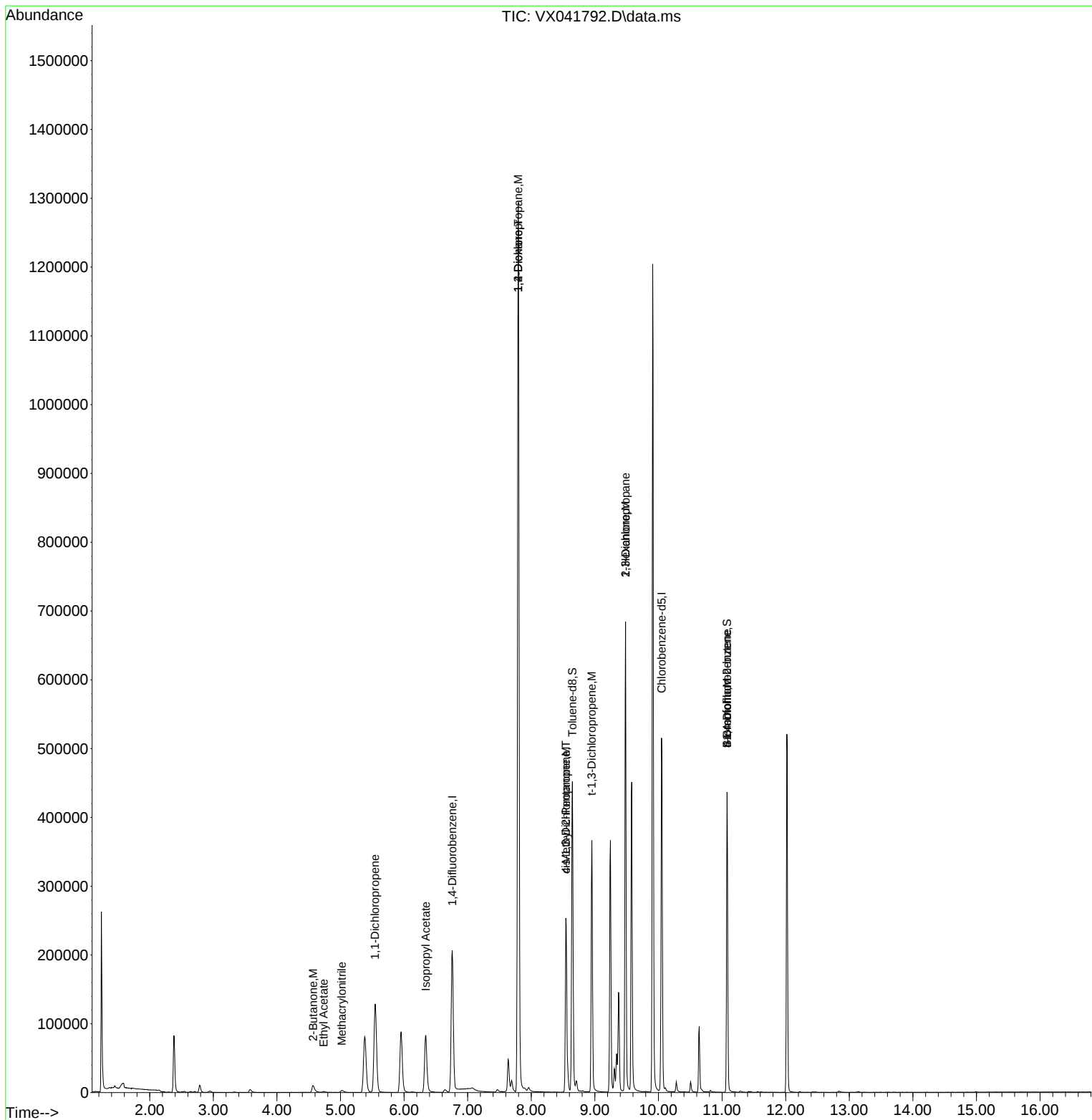
Quant Time: Jun 08 04:08:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

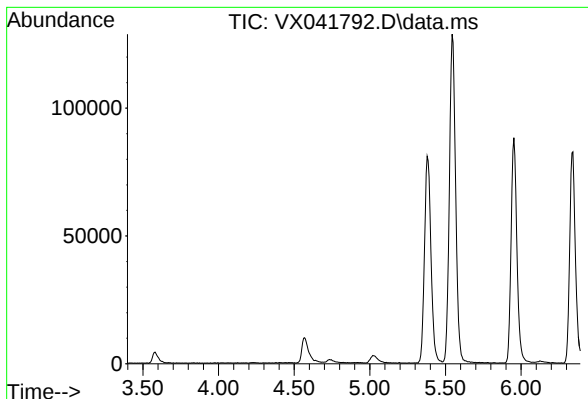
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	0.000	128	0	0.000	ug/l	-4.90
28) 1,4-Difluorobenzene	6.757	114	219232	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	231657	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	86612	0.000	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	0.000%#
60) 4-Bromofluorobenzene	11.079	95	105067	29.053	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.833%
63) Toluene-d8	8.647	98	272540	27.446	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	91.500%
Target Compounds						
					Qvalue	
29) 1,1-Dichloropropene	5.544	75	8795	3.033	ug/l #	49
30) 2-Butanone	4.568	43	20083	10.433	ug/l	96
35) Methacrylonitrile	5.019	41	1773	0.913	ug/l #	51
39) 1,2-Dichloropropane	7.793	63	1457	0.673	ug/l #	44
43) Ethyl Acetate	4.733	43	1887	0.508	ug/l #	91
44) Isopropyl Acetate	6.342	43	117438	20.917	ug/l	99
45) 1,4-Dioxane	7.793	88	112	1.769	ug/l #	1
48) t-1,3-Dichloropropene	8.952	75	784	0.244	ug/l #	44
49) cis-1,3-Dichloropropene	8.543	75	40325	11.589	ug/l #	62
52) 1,3-Dichloropropane	9.482	76	5682	1.451	ug/l #	42
56) Bromoform	11.079	173	912	0.422	ug/l #	1
58) 4-Methyl-2-Pentanone	8.543	43	100192	23.671	ug/l #	50
59) 2-Hexanone	9.482	43	79695	23.635	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	53659	43.284	ug/l #	1

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

Quant Time: Jun 08 04:08:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



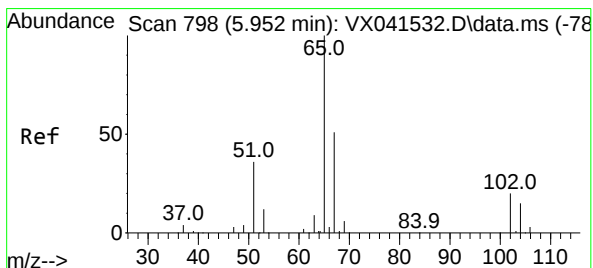
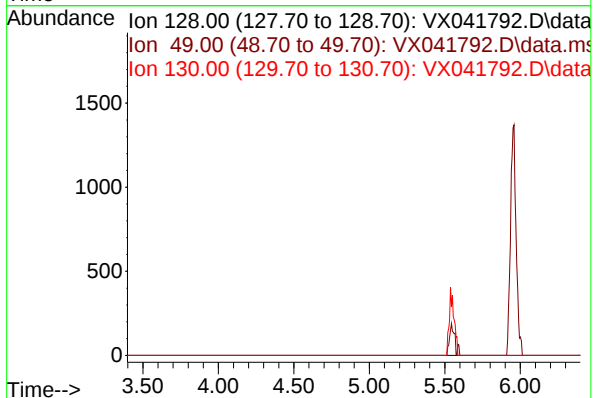


#1
 Bromochloromethane
 Concen: 0.000 ug/l
 Expected RT: 4.90 min
 Lab File: VX041792.D
 Acq: 07 Jun 2024 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 PB161359ZHE#01

Tgt Ion: 128

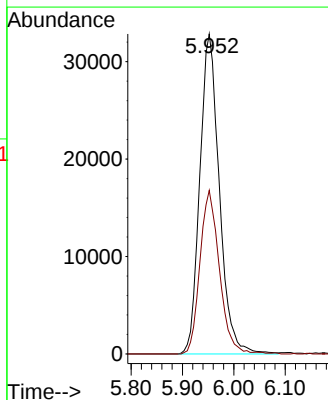
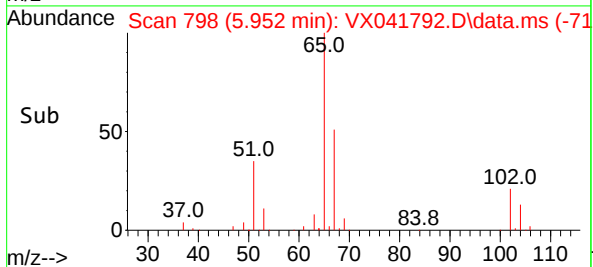
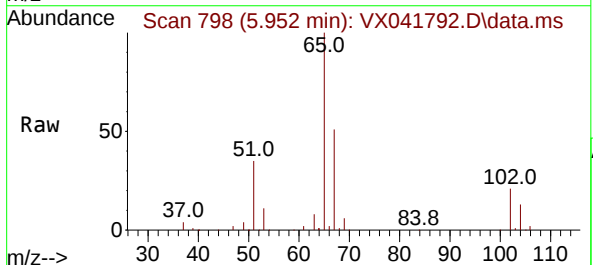
Sig	Exp Ratio
128	100
49	144.6
130	129.7

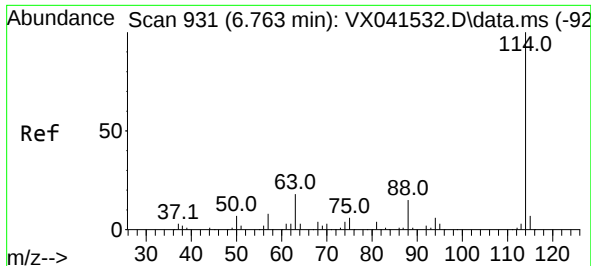


#27
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX041792.D
 Acq: 07 Jun 2024 16:42

Tgt Ion: 65 Resp: 86612

Ion	Ratio	Lower	Upper
65	100		
67	50.6	40.8	61.2

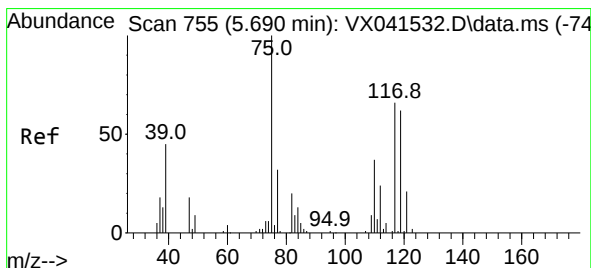
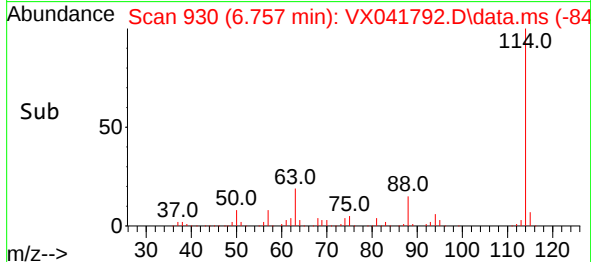
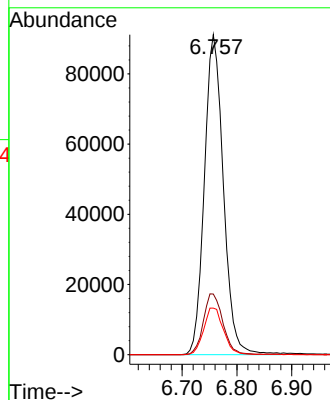
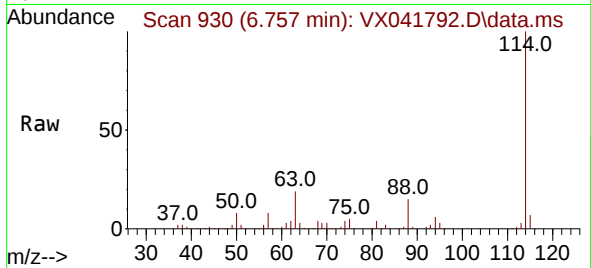




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

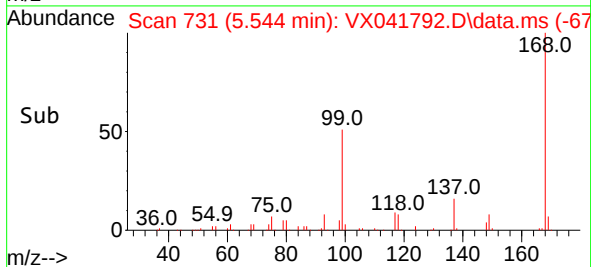
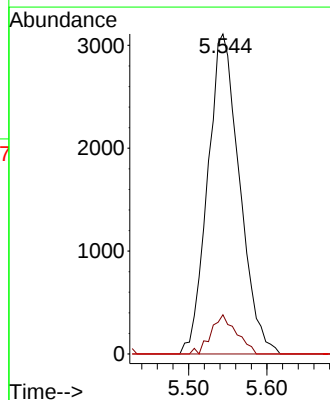
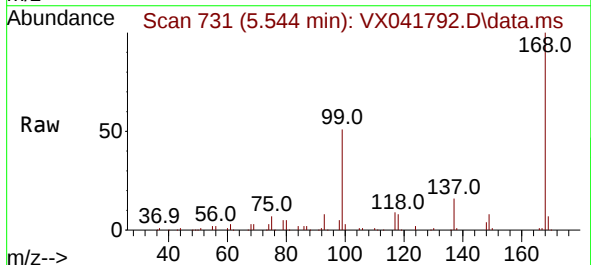
Instrument :
MSVOA_X
ClientSampleId :
PB161359ZHE#01

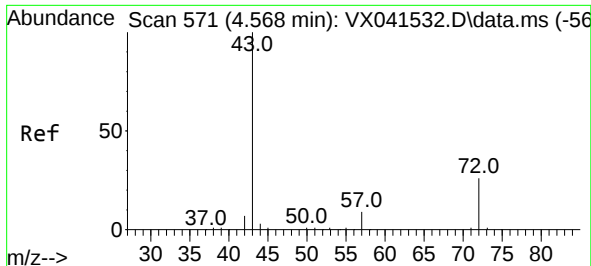
Tgt Ion:114 Resp: 219232
Ion Ratio Lower Upper
114 100
63 19.5 15.4 23.0
88 15.1 12.2 18.2



#29
1,1-Dichloropropene
Concen: 3.033 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Tgt Ion: 75 Resp: 8795
Ion Ratio Lower Upper
75 100
110 9.6 0.0 74.4
77 0.0 0.0 62.6

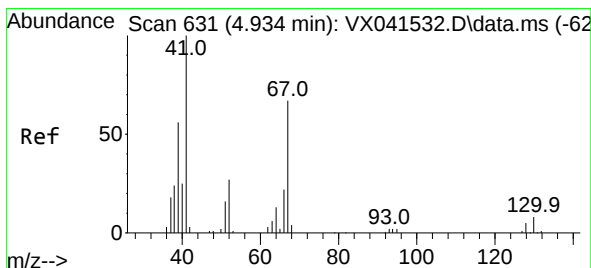
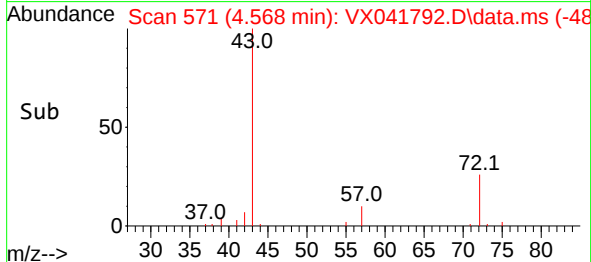
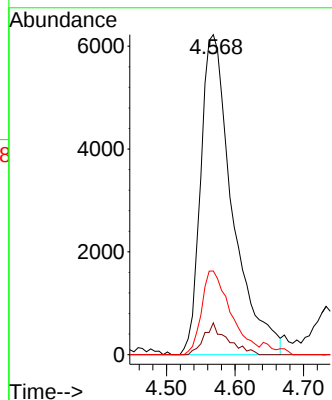
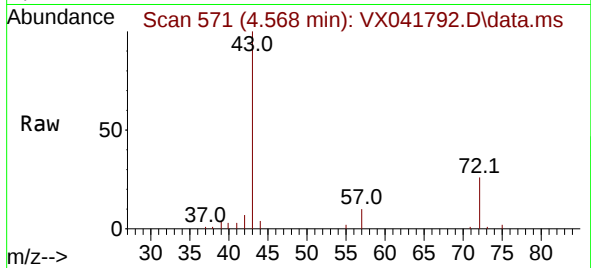




#30
2-Butanone
Concen: 10.433 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

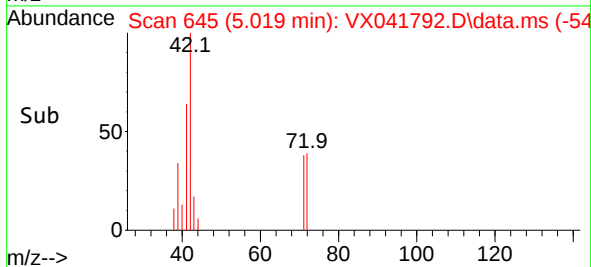
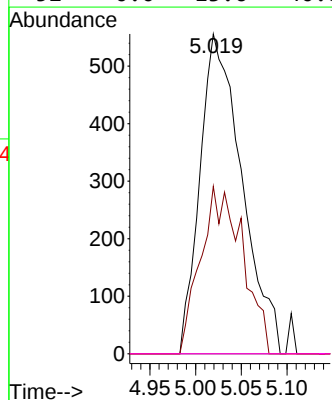
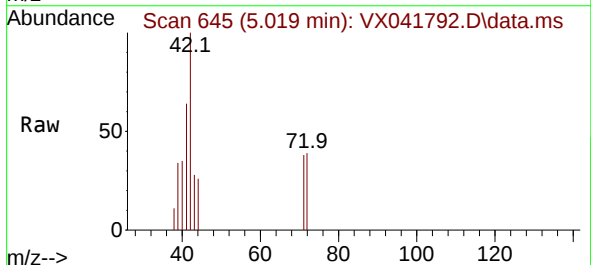
Instrument :
MSVOA_X
ClientSampleId :
PB161359ZHE#01

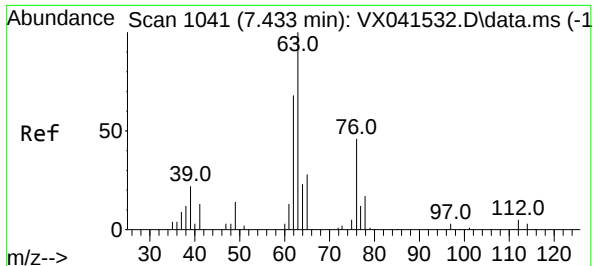
Tgt Ion: 43 Resp: 20083
Ion Ratio Lower Upper
43 100
57 7.0 6.6 10.0
72 24.1 20.7 31.1



#35
Methacrylonitrile
Concen: 0.913 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.085 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Tgt Ion: 41 Resp: 1773
Ion Ratio Lower Upper
41 100
39 52.3 28.1 84.4
67 0.0 33.7 101.1#
52 0.0 13.6 40.8#





#39

1,2-Dichloropropane

Concen: 0.673 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.360 min

Lab File: VX041792.D

Acq: 07 Jun 2024 16:42

Instrument :

MSVOA_X

ClientSampleId :

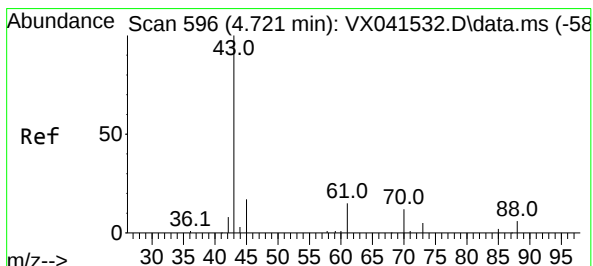
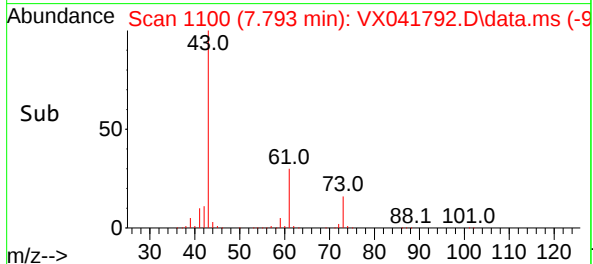
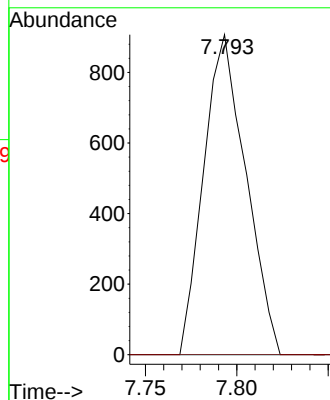
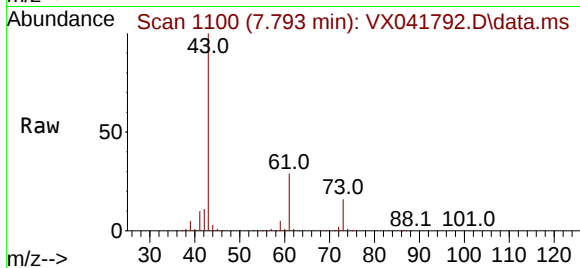
PB161359ZHE#01

Tgt Ion: 63 Resp: 1457

Ion Ratio Lower Upper

63 100

65 0.0 24.2 36.2#



#43

Ethyl Acetate

Concen: 0.508 ug/l

RT: 4.733 min Scan# 598

Delta R.T. 0.012 min

Lab File: VX041792.D

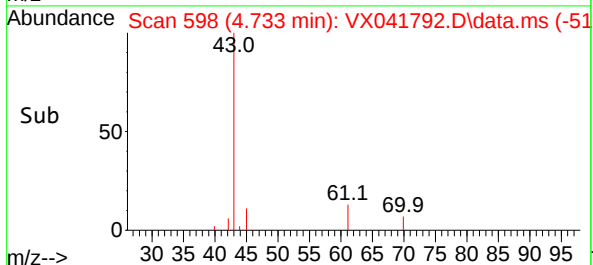
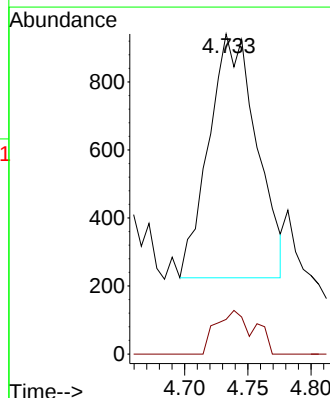
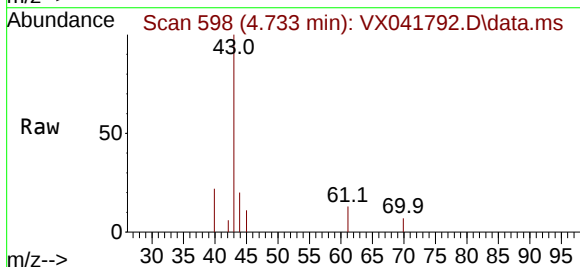
Acq: 07 Jun 2024 16:42

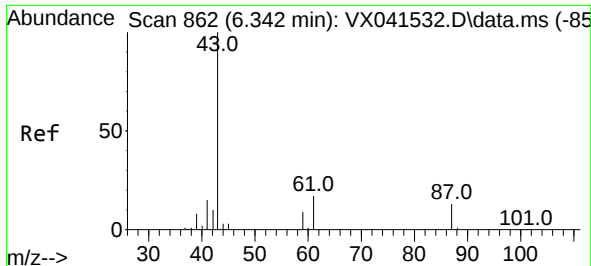
Tgt Ion: 43 Resp: 1887

Ion Ratio Lower Upper

43 100

45 11.0 11.9 17.9#

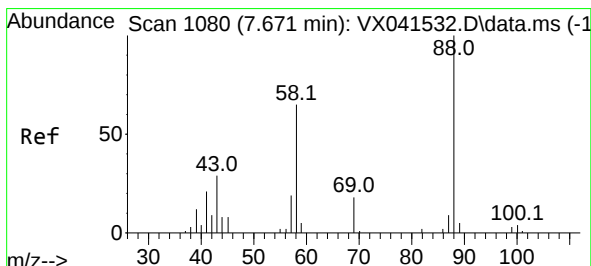
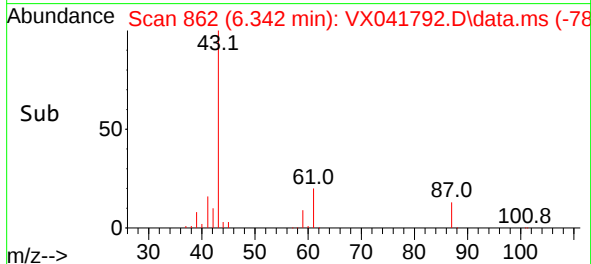
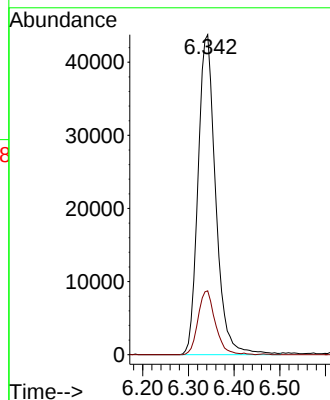
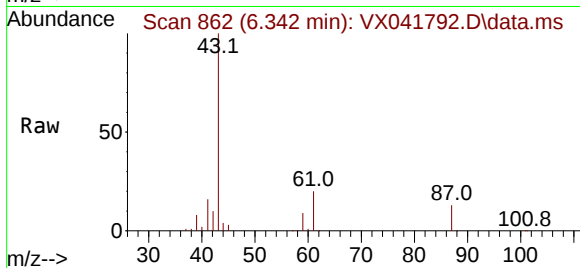




#44
Isopropyl Acetate
Concen: 20.917 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

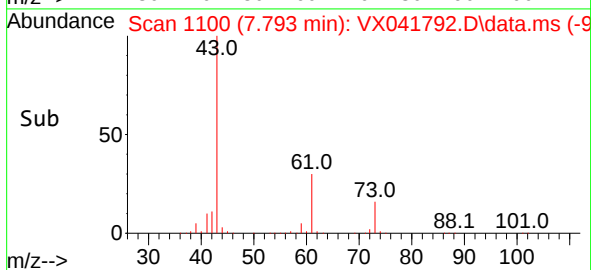
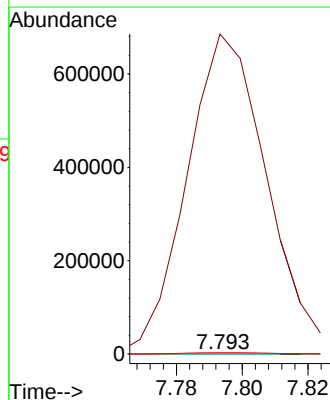
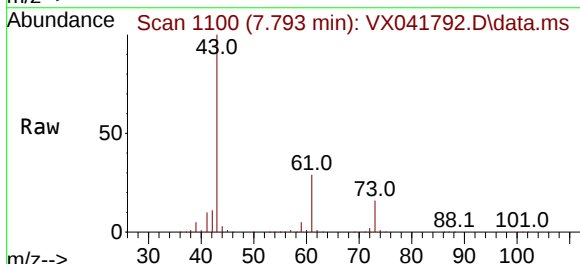
Instrument :
MSVOA_X
ClientSampleId :
PB161359ZHE#01

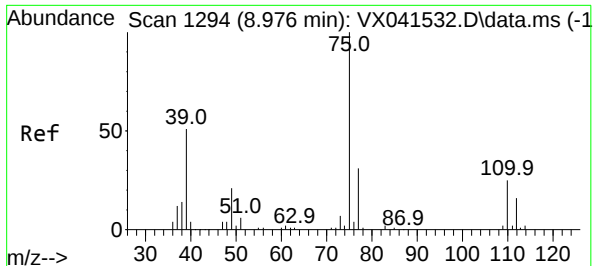
Tgt Ion: 43 Resp: 117438
Ion Ratio Lower Upper
43 100
61 19.4 15.3 22.9



#45
1,4-Dioxane
Concen: 1.769 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.122 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Tgt Ion: 88 Resp: 112
Ion Ratio Lower Upper
88 100
43 1054240.2 24.9 37.3#
58 4787.5 47.0 70.4#





#48

t-1,3-Dichloropropene

Concen: 0.244 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX041792.D

Acq: 07 Jun 2024 16:42

Instrument :

MSVOA_X

ClientSampleId :

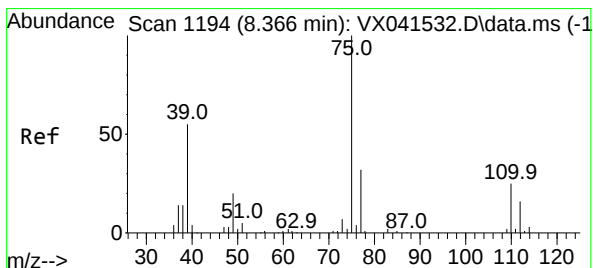
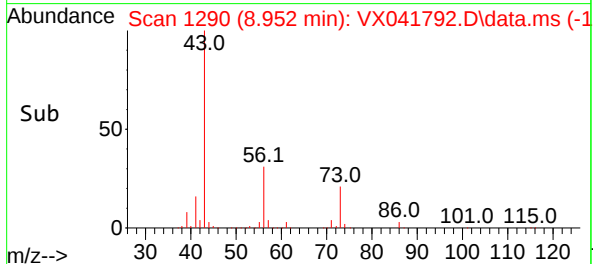
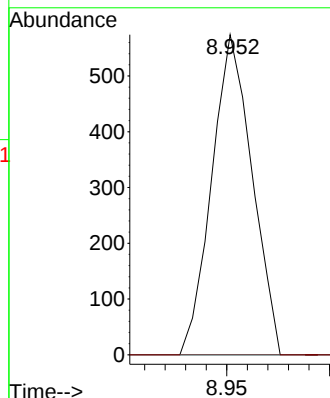
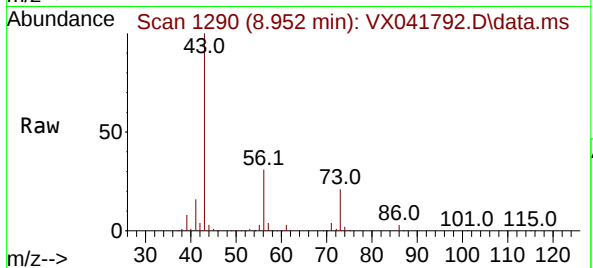
PB161359ZHE#01

Tgt Ion: 75 Resp: 784

Ion Ratio Lower Upper

75 100

77 0.0 24.5 36.7#



#49

cis-1,3-Dichloropropene

Concen: 11.589 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. 0.177 min

Lab File: VX041792.D

Acq: 07 Jun 2024 16:42

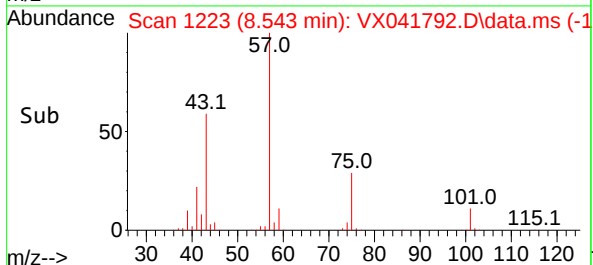
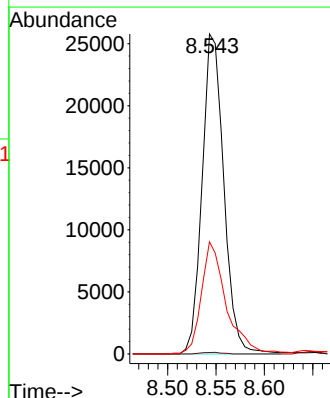
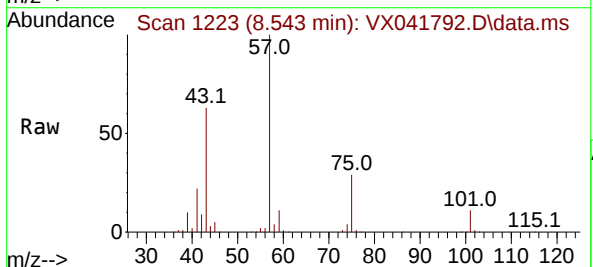
Tgt Ion: 75 Resp: 40325

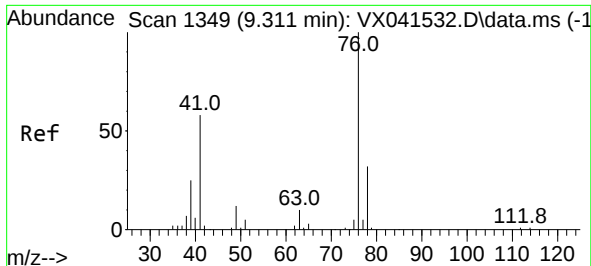
Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.8#

39 34.8 43.6 65.4#





#52

1,3-Dichloropropane

Concen: 1.451 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.171 min

Lab File: VX041792.D

Acq: 07 Jun 2024 16:42

Instrument :

MSVOA_X

ClientSampleId :

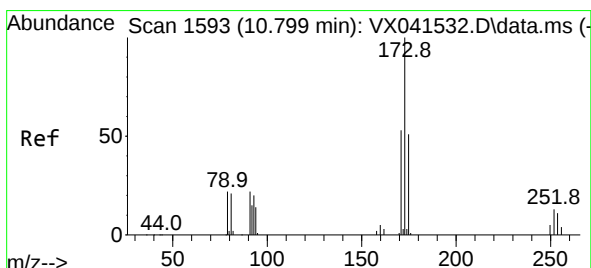
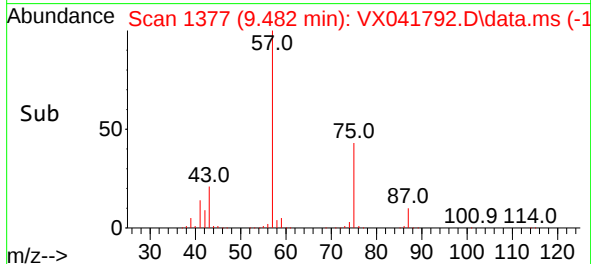
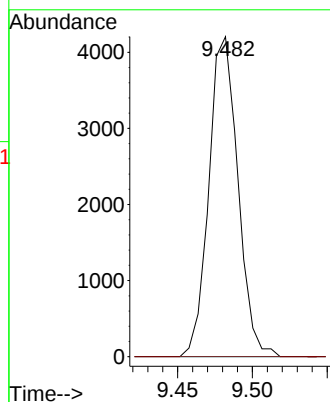
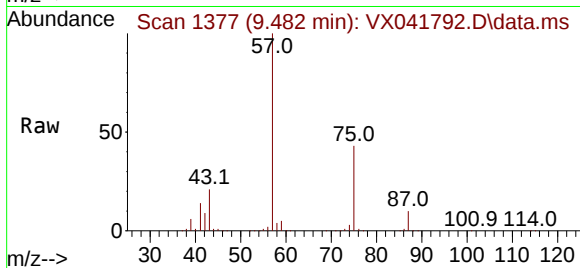
PB161359ZHE#01

Tgt Ion: 76 Resp: 5682

Ion Ratio Lower Upper

76 100

78 0.0 0.0 64.4



#56

Bromoform

Concen: 0.422 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.281 min

Lab File: VX041792.D

Acq: 07 Jun 2024 16:42

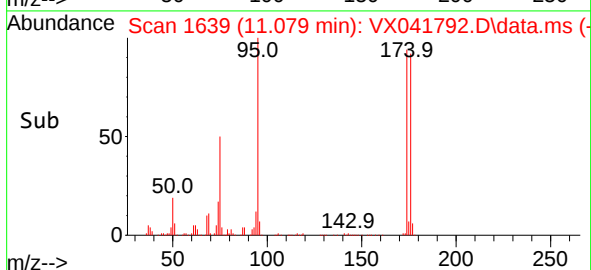
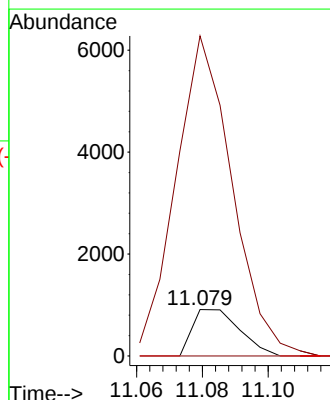
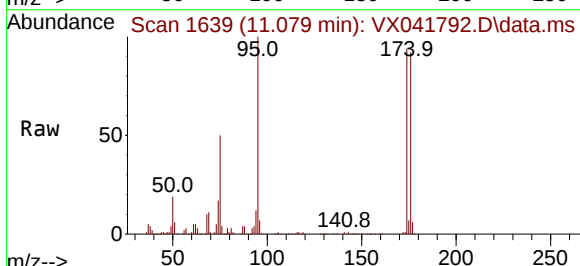
Tgt Ion: 173 Resp: 912

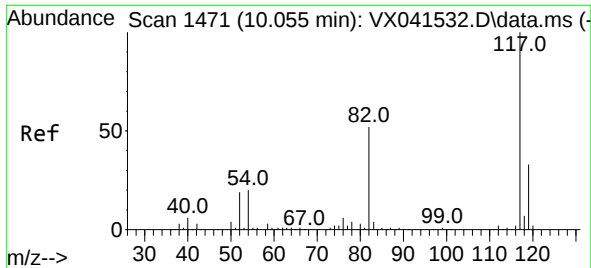
Ion Ratio Lower Upper

173 100

175 828.9 39.0 58.6#

254 0.0 10.3 15.5#

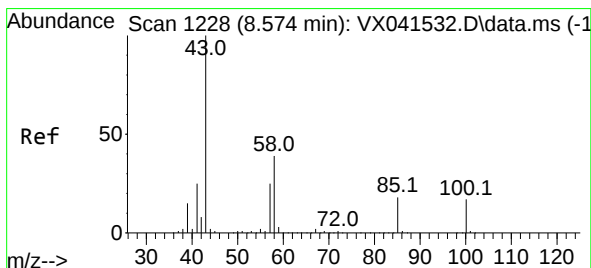
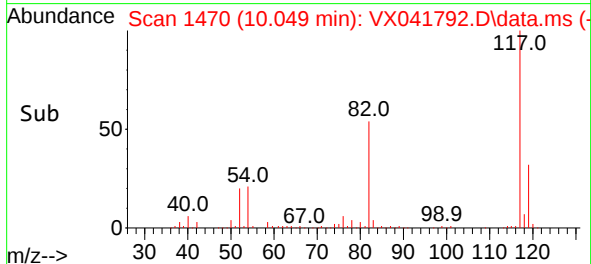
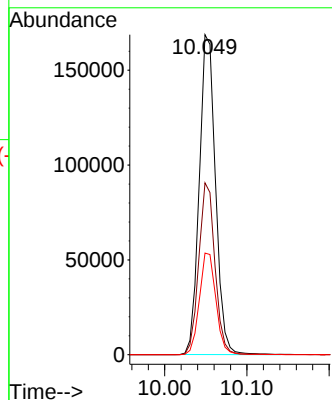
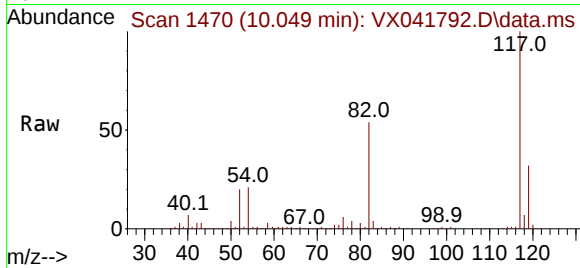




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

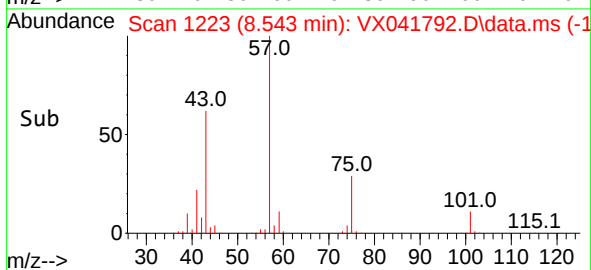
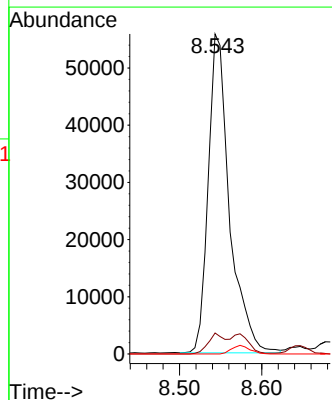
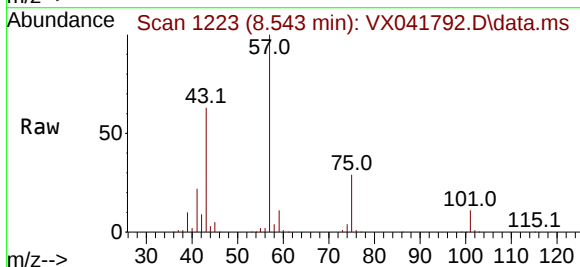
Instrument :
MSVOA_X
ClientSampleId :
PB161359ZHE#01

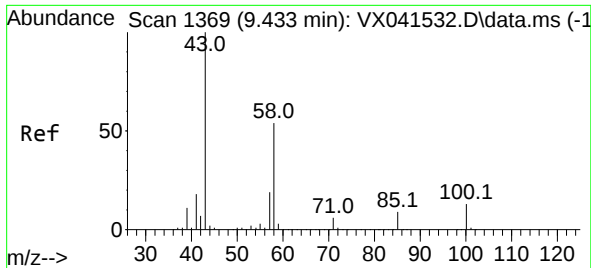
Tgt Ion:117 Resp: 231657
Ion Ratio Lower Upper
117 100
82 53.4 41.7 62.5
119 32.3 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 23.671 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Tgt Ion: 43 Resp: 100192
Ion Ratio Lower Upper
43 100
58 4.9 30.2 45.4#
85 0.0 14.6 21.8#

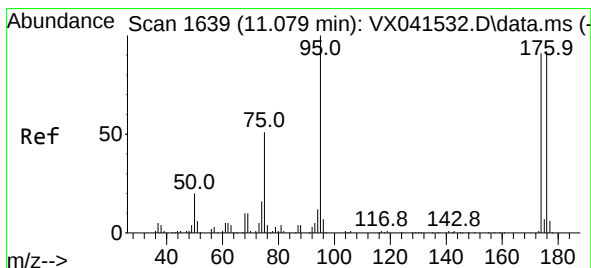
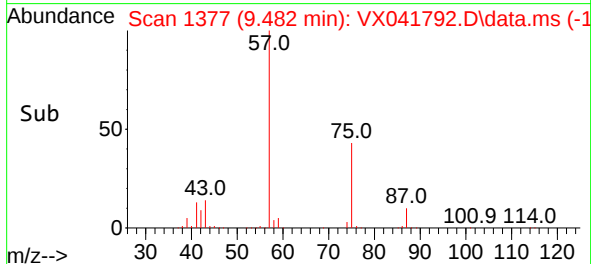
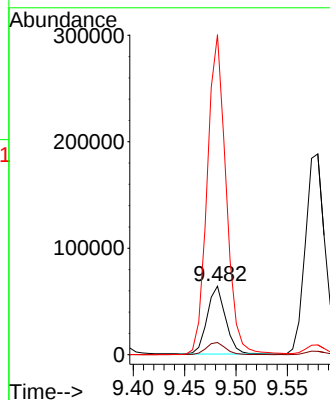
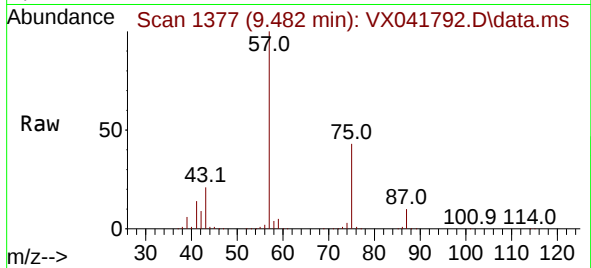




#59
2-Hexanone
Concen: 23.635 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

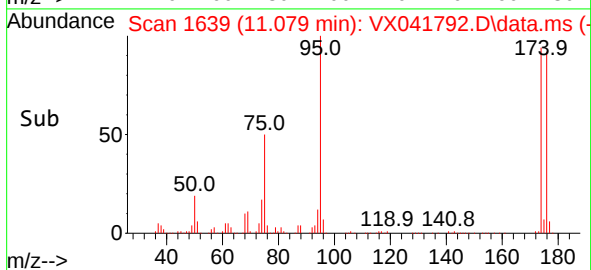
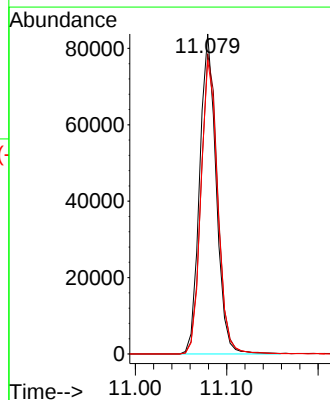
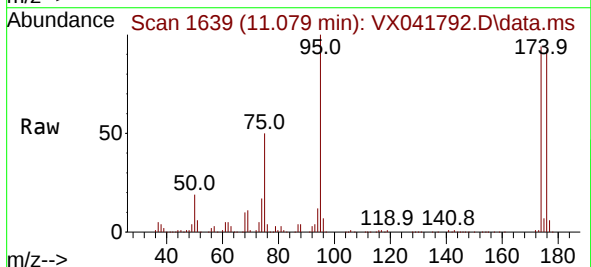
Instrument :
MSVOA_X
ClientSampleId :
PB161359ZHE#01

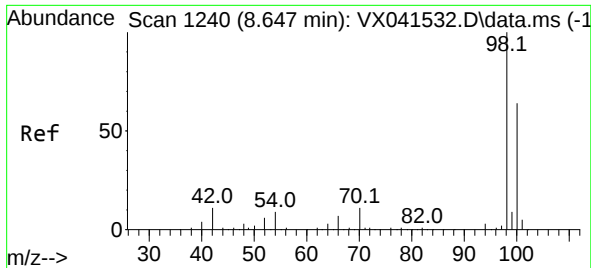
Tgt Ion: 43 Resp: 79695
Ion Ratio Lower Upper
43 100
58 19.2 42.3 63.5#
57 482.6 15.1 22.7#



#60
4-Bromofluorobenzene
Concen: 29.053 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Tgt Ion: 95 Resp: 105067
Ion Ratio Lower Upper
95 100
174 95.4 76.6 115.0
176 93.3 75.4 113.0

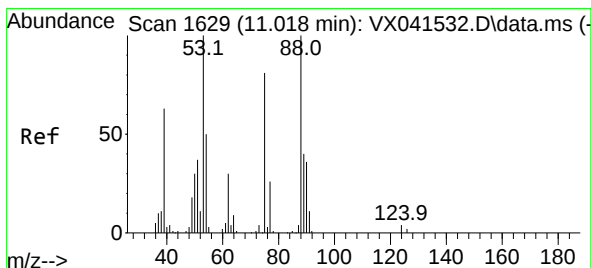
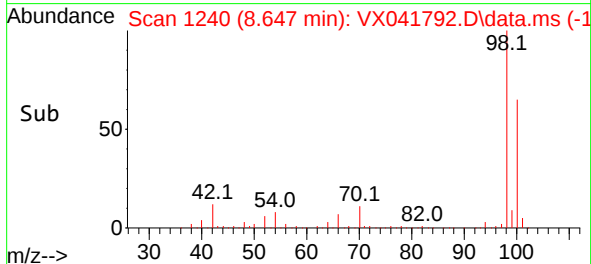
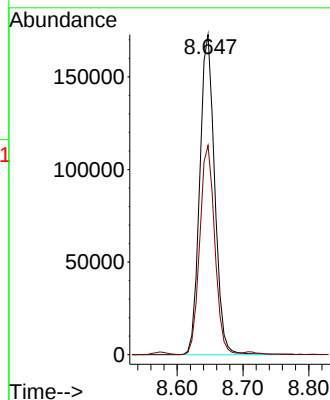
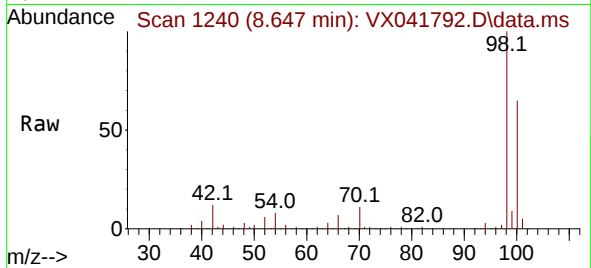




#63
Toluene-d8
Concen: 27.446 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Instrument :
MSVOA_X
ClientSampleId :
PB161359ZHE#01

Tgt Ion: 98 Resp: 272540
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



#77
t-1,4-Dichloro-2-butene
Concen: 43.284 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041792.D
Acq: 07 Jun 2024 16:42

Tgt Ion: 75 Resp: 53659
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#

