

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
 Data File : VX041793.D
 Acq On : 07 Jun 2024 17:06
 Operator : JC/MD
 Sample : PB161359ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB161359ZHE#02

Quant Time: Jun 08 04:08:45 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)

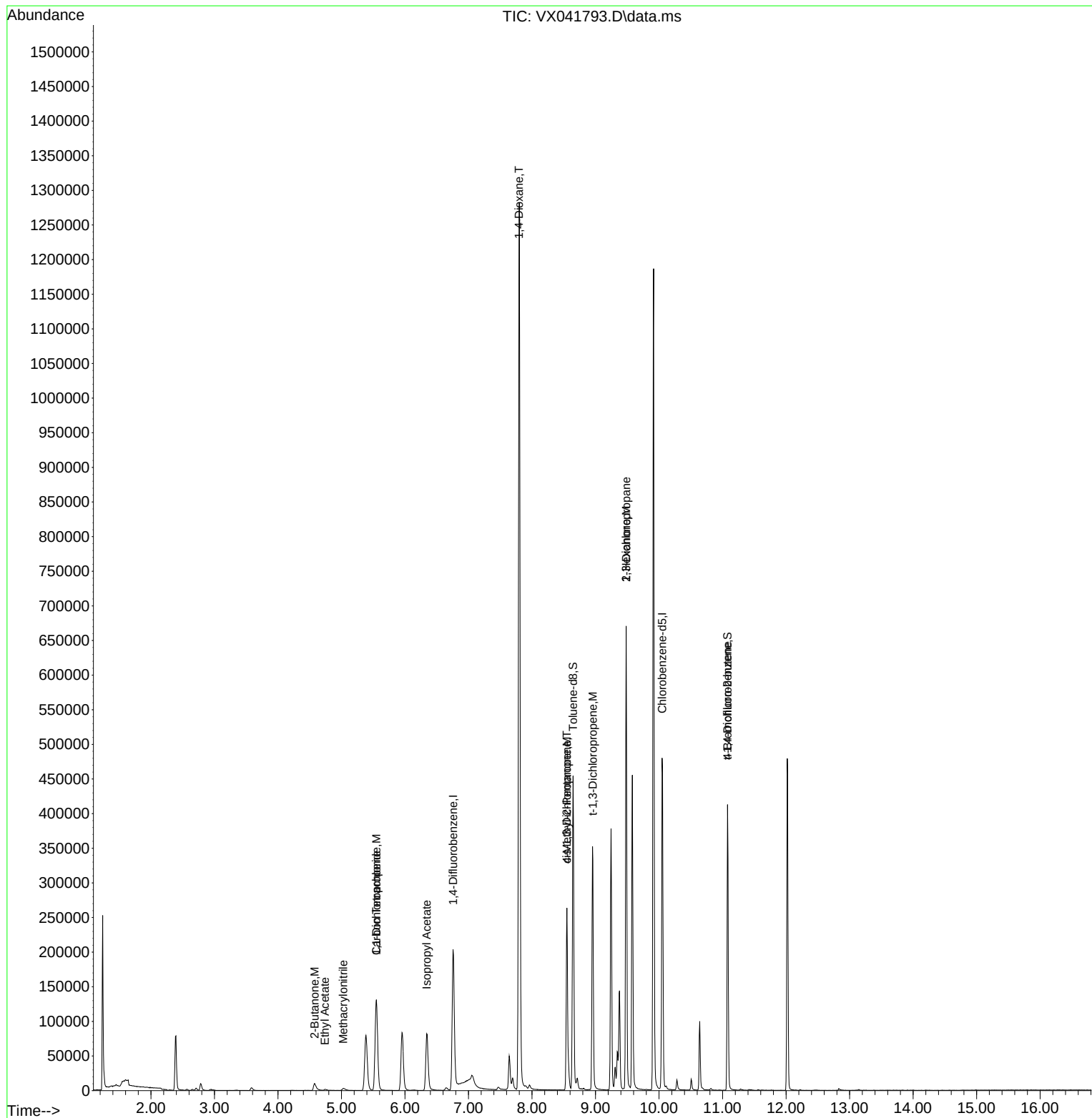
Internal Standards						
1) Bromochloromethane	0.000	128	0	0.000	ug/l	-4.90
28) 1,4-Difluorobenzene	6.757	114	215344	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	219263	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	81970	0.000	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	0.000%#
60) 4-Bromofluorobenzene	11.079	95	98680	28.830	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.100%
63) Toluene-d8	8.647	98	260338	27.699	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	92.333%
Target Compounds						
					Qvalue	
29) 1,1-Dichloropropene	5.550	75	9210	3.233	ug/l #	45
30) 2-Butanone	4.574	43	19758	10.450	ug/l #	94
33) Carbon Tetrachloride	5.550	117	12288	3.757	ug/l #	16
35) Methacrylonitrile	5.025	41	1077	0.565	ug/l #	48
43) Ethyl Acetate	4.739	43	2259	0.619	ug/l #	86
44) Isopropyl Acetate	6.342	43	114760	20.810	ug/l	99
45) 1,4-Dioxane	7.793	88	94	1.511	ug/l #	1
48) t-1,3-Dichloropropene	8.958	75	845	0.268	ug/l #	44
49) cis-1,3-Dichloropropene	8.549	75	39838	11.656	ug/l #	60
52) 1,3-Dichloropropane	9.482	76	5553	1.443	ug/l #	42
58) 4-Methyl-2-Pentanone	8.549	43	98785	24.658	ug/l #	51
59) 2-Hexanone	9.482	43	80018	25.072	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	50123	42.717	ug/l #	1

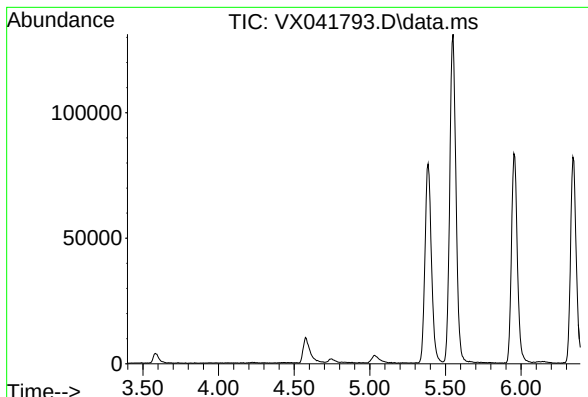
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
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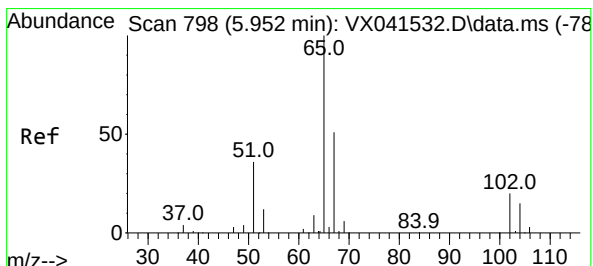
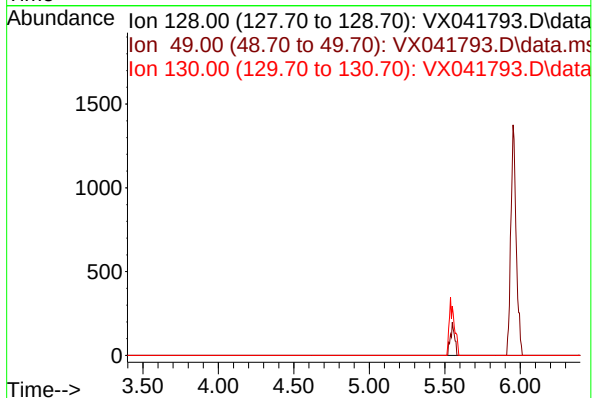


#1
 Bromochloromethane
 Concen: 0.000 ug/l
 Expected RT: 4.90 min
 Lab File: VX041793.D
 Acq: 07 Jun 2024 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 PB161359ZHE#02

Tgt Ion: 128

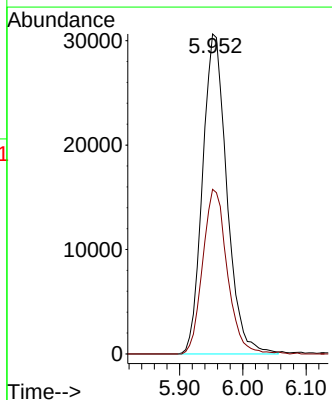
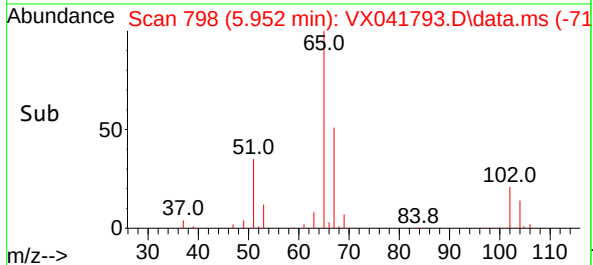
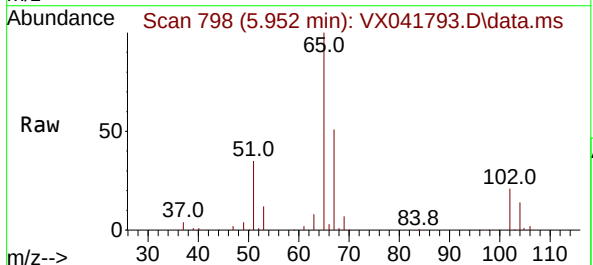
Sig	Exp Ratio
128	100
49	144.6
130	129.7

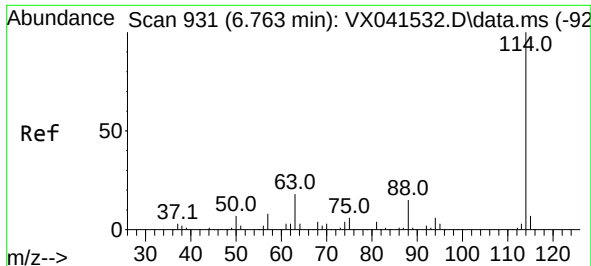


#27
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX041793.D
 Acq: 07 Jun 2024 17:06

Tgt Ion: 65 Resp: 81970

Ion	Ratio	Lower	Upper
65	100		
67	51.6	40.8	61.2

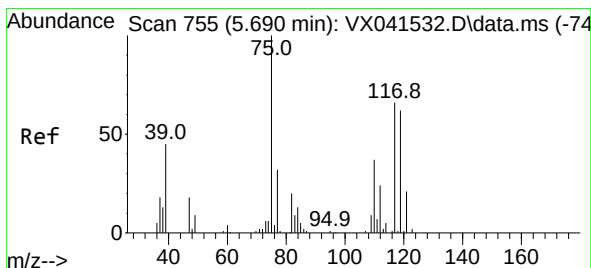
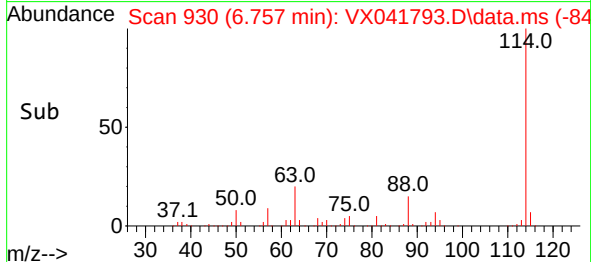
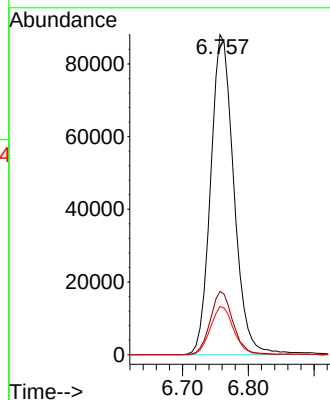
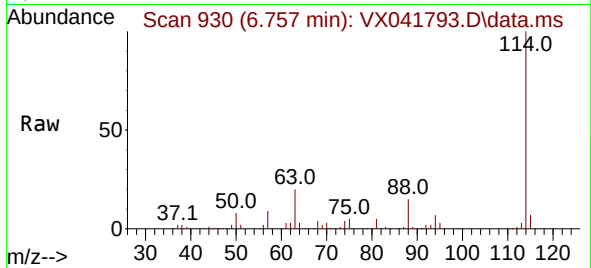




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VX041793.D
 Acq: 07 Jun 2024 17:06

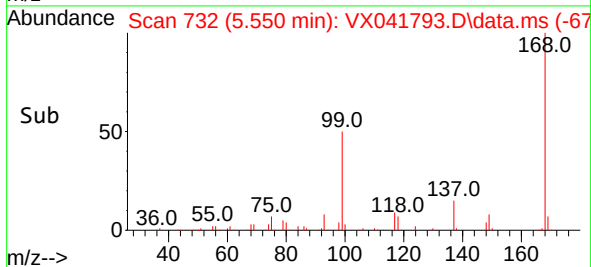
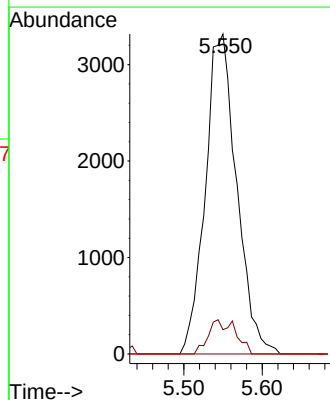
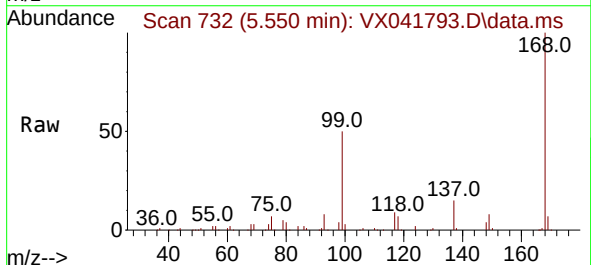
Instrument :
 MSVOA_X
 ClientSampleId :
 PB161359ZHE#02

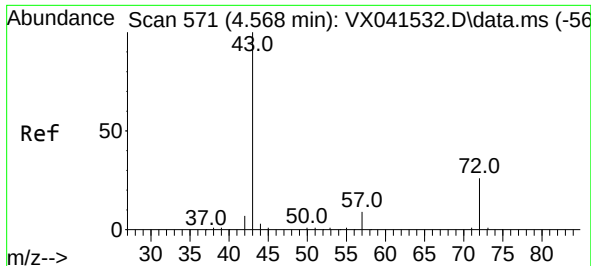
Tgt Ion:114 Resp: 215344
 Ion Ratio Lower Upper
 114 100
 63 19.5 15.4 23.0
 88 15.2 12.2 18.2



#29
 1,1-Dichloropropene
 Concen: 3.233 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.140 min
 Lab File: VX041793.D
 Acq: 07 Jun 2024 17:06

Tgt Ion: 75 Resp: 9210
 Ion Ratio Lower Upper
 75 100
 110 5.2 0.0 74.4
 77 0.0 0.0 62.6

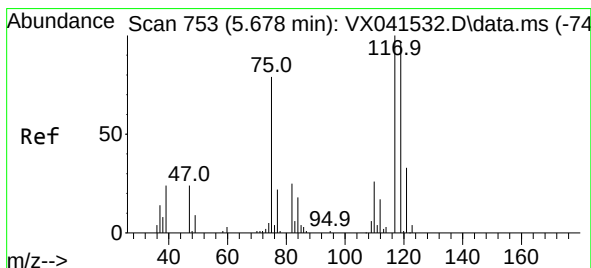
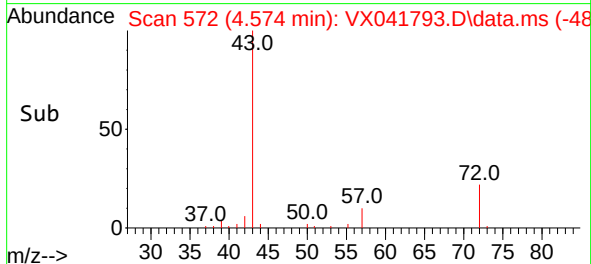
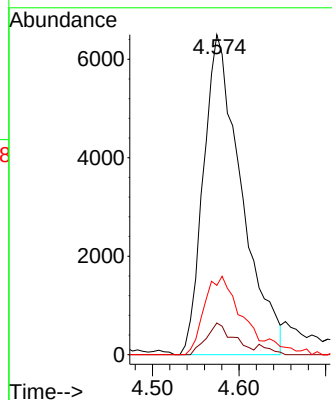
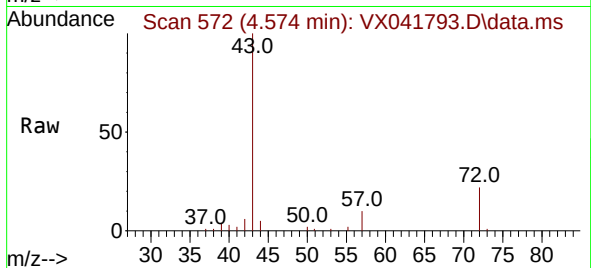




#30
2-Butanone
Concen: 10.450 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

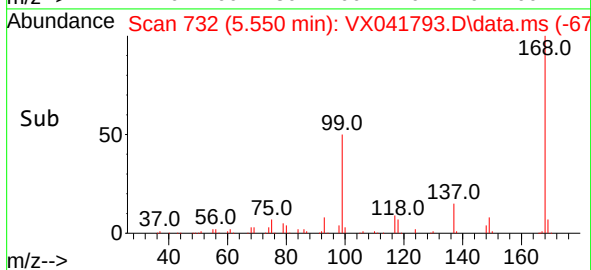
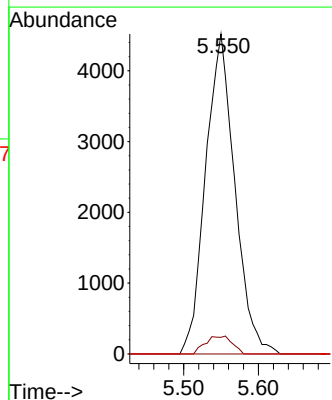
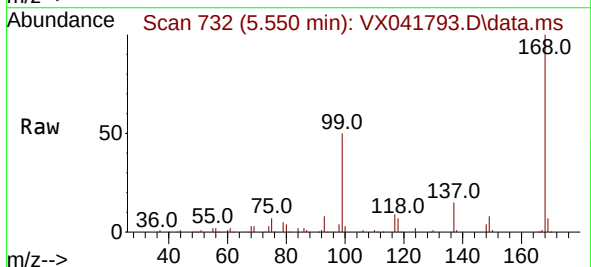
Instrument :
MSVOA_X
ClientSampleId :
PB161359ZHE#02

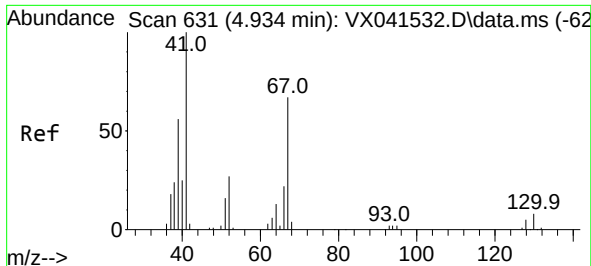
Tgt Ion: 43 Resp: 19758
Ion Ratio Lower Upper
43 100
57 5.1 6.6 10.0#
72 23.5 20.7 31.1



#33
Carbon Tetrachloride
Concen: 3.757 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

Tgt Ion: 117 Resp: 12288
Ion Ratio Lower Upper
117 100
119 5.2 77.4 116.2#
121 0.0 26.4 39.6#

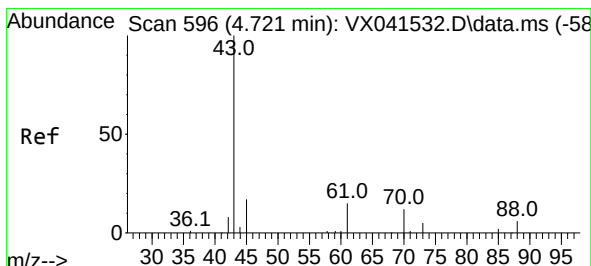
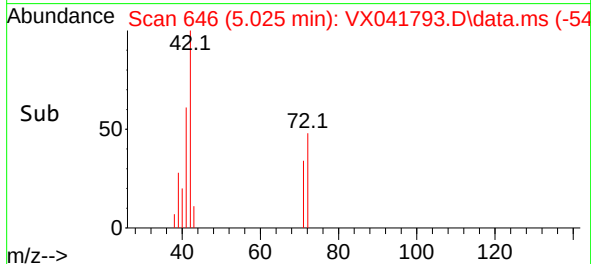
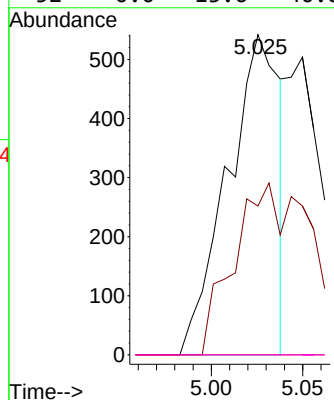
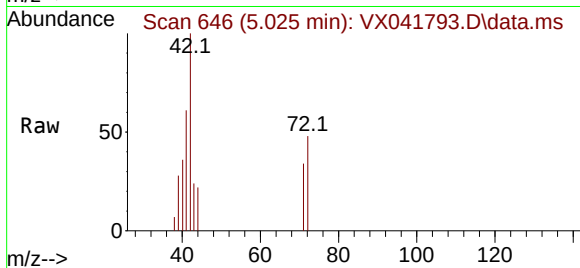




#35
Methacrylonitrile
Concen: 0.565 ug/l
RT: 5.025 min Scan# 64
Delta R.T. 0.092 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

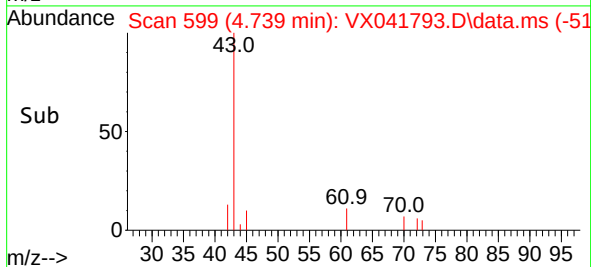
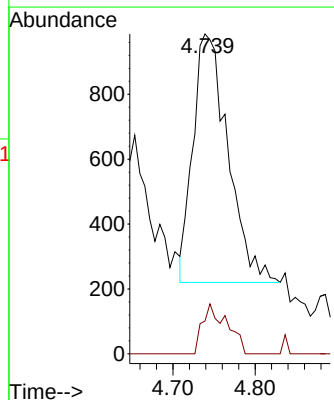
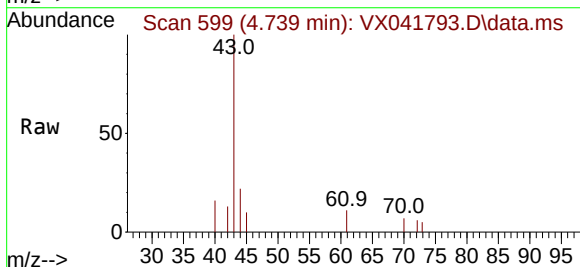
Instrument :
MSVOA_X
ClientSampleId :
PB161359ZHE#02

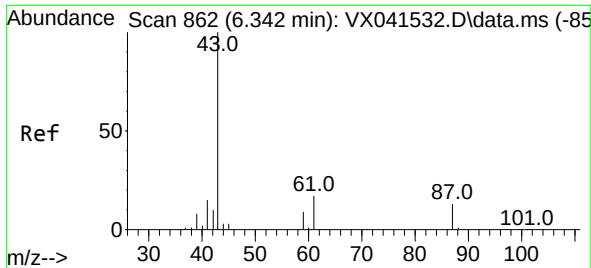
Tgt Ion:	41	Resp:	1077
Ion	Ratio	Lower	Upper
41	100		
39	46.5	28.1	84.4
67	0.0	33.7	101.1#
52	0.0	13.6	40.8#



#43
Ethyl Acetate
Concen: 0.619 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.018 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

Tgt Ion:	43	Resp:	2259
Ion	Ratio	Lower	Upper
43	100		
45	8.9	11.9	17.9#

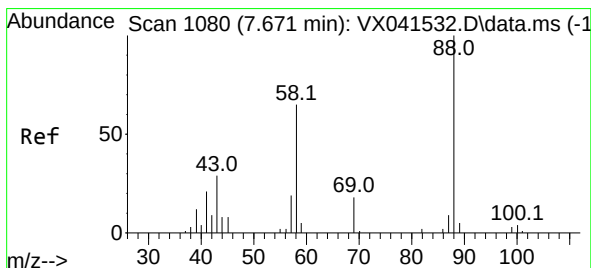
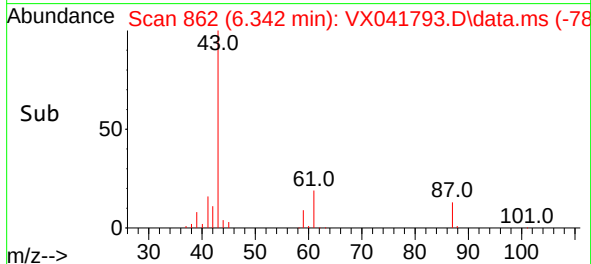
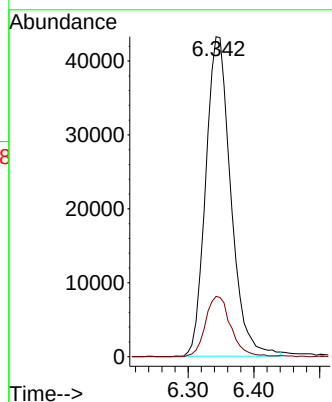
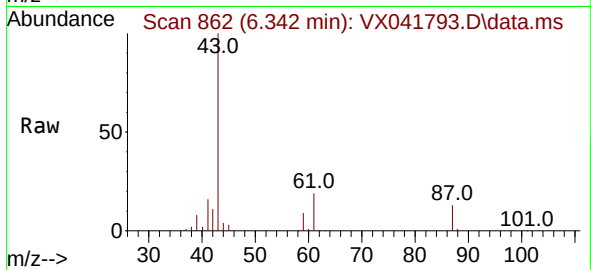




#44
Isopropyl Acetate
Concen: 20.810 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

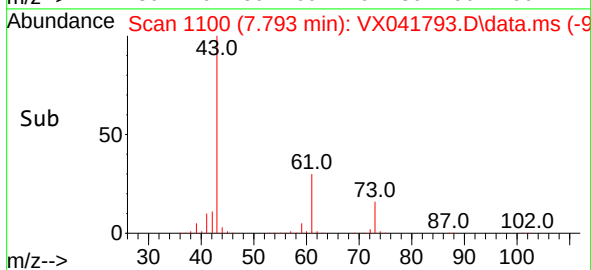
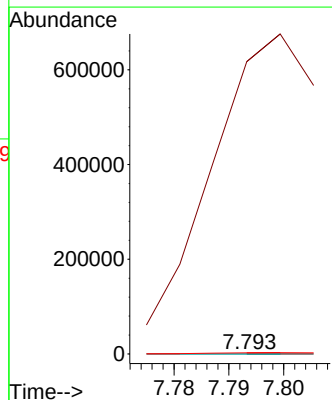
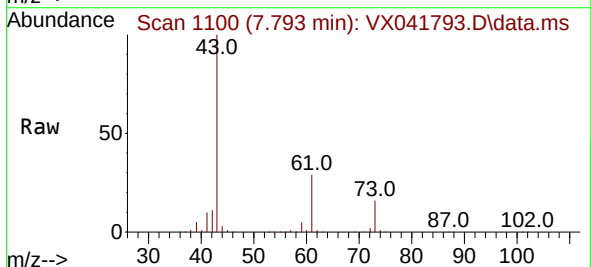
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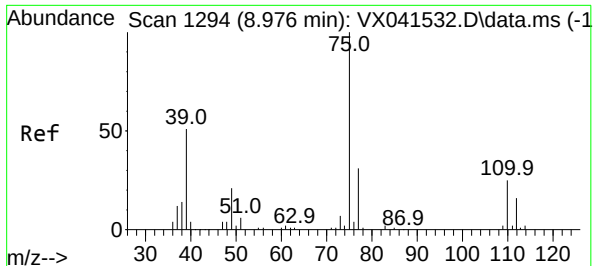
Tgt Ion: 43 Resp: 114760
Ion Ratio Lower Upper
43 100
61 18.8 15.3 22.9



#45
1,4-Dioxane
Concen: 1.511 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.122 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

Tgt Ion: 88 Resp: 94
Ion Ratio Lower Upper
88 100
43 1637.2 24.9 37.3#
58 476.6 47.0 70.4#





#48

t-1,3-Dichloropropene

Concen: 0.268 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX041793.D

Acq: 07 Jun 2024 17:06

Instrument :

MSVOA_X

ClientSampleId :

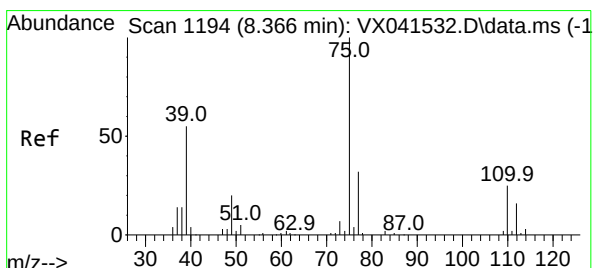
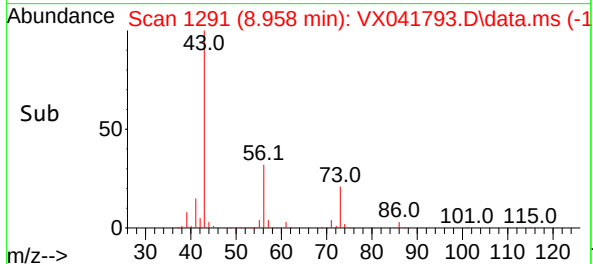
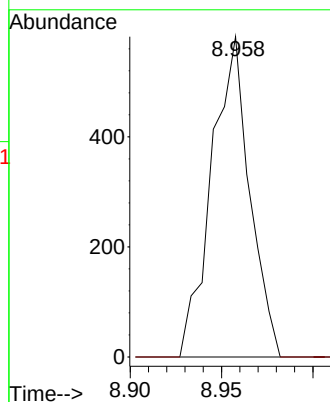
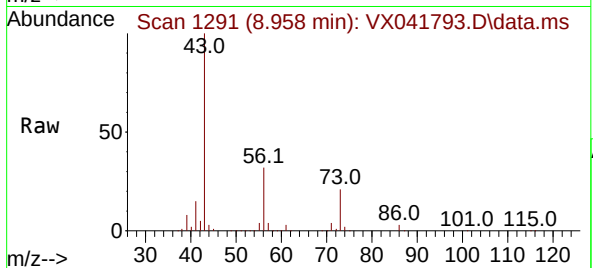
PB161359ZHE#02

Tgt Ion: 75 Resp: 845

Ion Ratio Lower Upper

75 100

77 0.0 24.5 36.7#



#49

cis-1,3-Dichloropropene

Concen: 11.656 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX041793.D

Acq: 07 Jun 2024 17:06

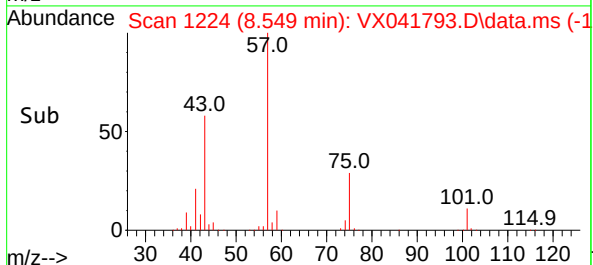
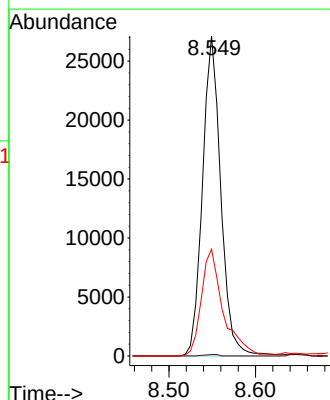
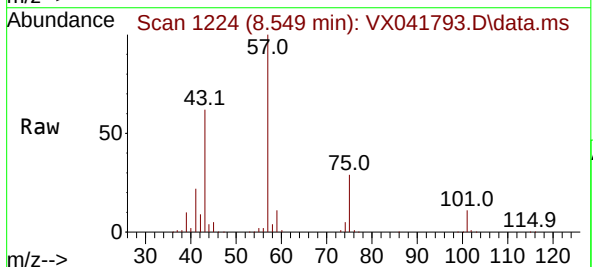
Tgt Ion: 75 Resp: 39838

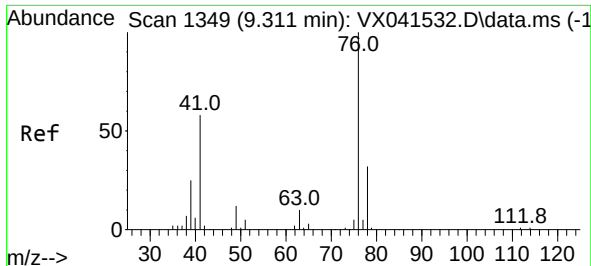
Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.8#

39 33.3 43.6 65.4#





#52

1,3-Dichloropropane

Concen: 1.443 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.171 min

Lab File: VX041793.D

Acq: 07 Jun 2024 17:06

Instrument :

MSVOA_X

ClientSampleId :

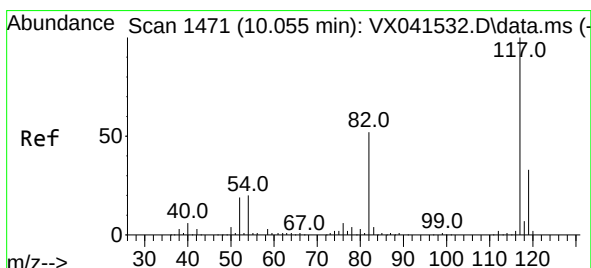
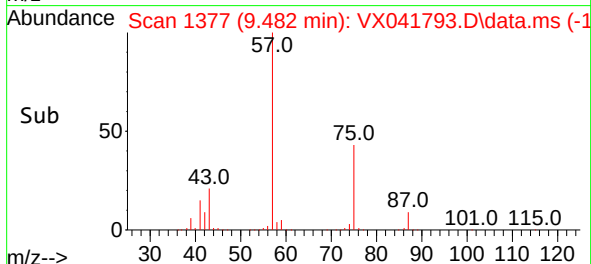
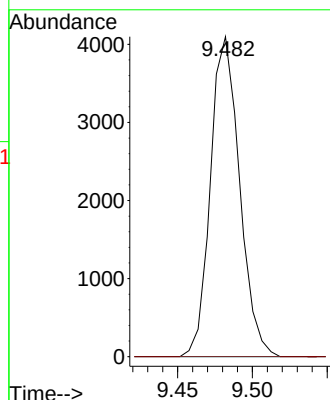
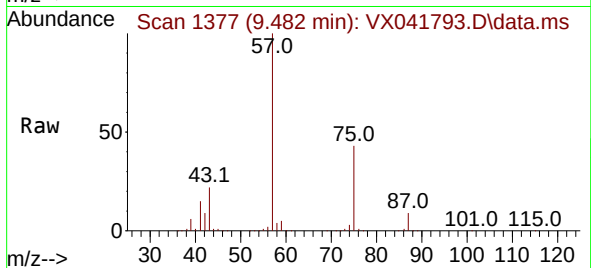
PB161359ZHE#02

Tgt Ion: 76 Resp: 5553

Ion Ratio Lower Upper

76 100

78 0.0 0.0 64.4



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.006 min

Lab File: VX041793.D

Acq: 07 Jun 2024 17:06

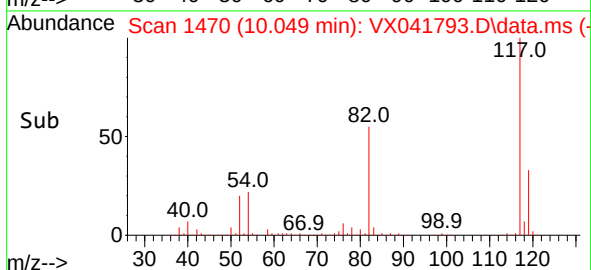
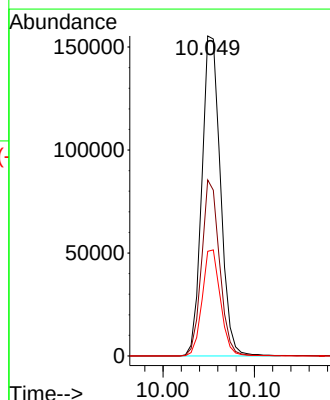
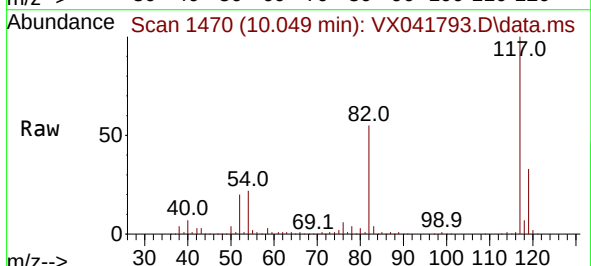
Tgt Ion: 117 Resp: 219263

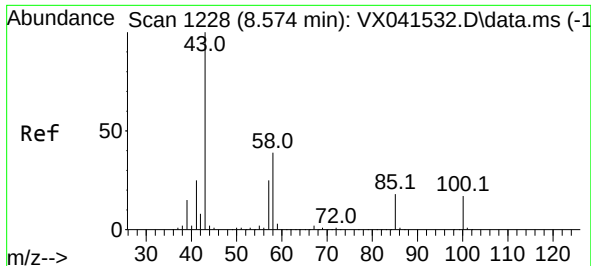
Ion Ratio Lower Upper

117 100

82 53.1 41.7 62.5

119 32.6 25.7 38.5





#58

4-Methyl-2-Pentanone

Concen: 24.658 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX041793.D

Acq: 07 Jun 2024 17:06

Instrument :

MSVOA_X

ClientSampleId :

PB161359ZHE#02

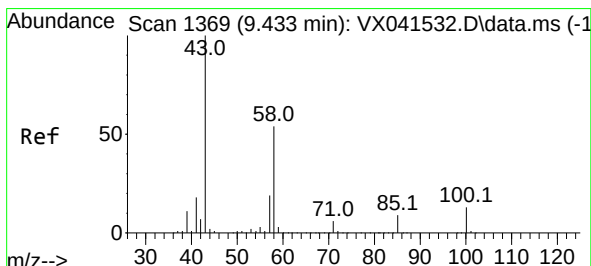
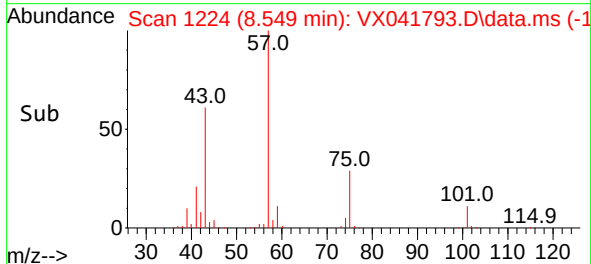
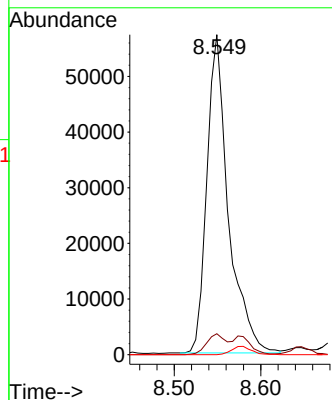
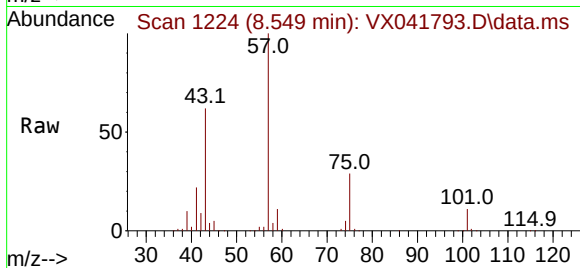
Tgt Ion: 43 Resp: 98785

Ion Ratio Lower Upper

43 100

58 5.7 30.2 45.4#

85 0.0 14.6 21.8#



#59

2-Hexanone

Concen: 25.072 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041793.D

Acq: 07 Jun 2024 17:06

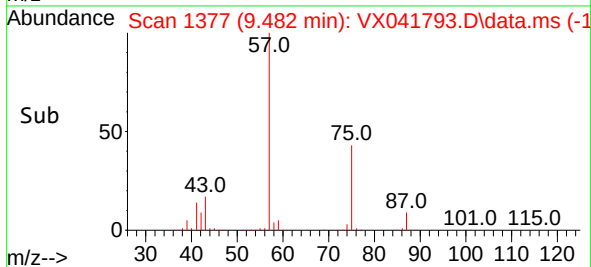
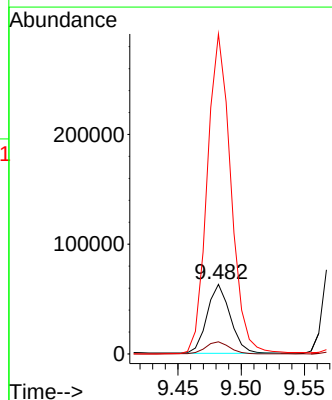
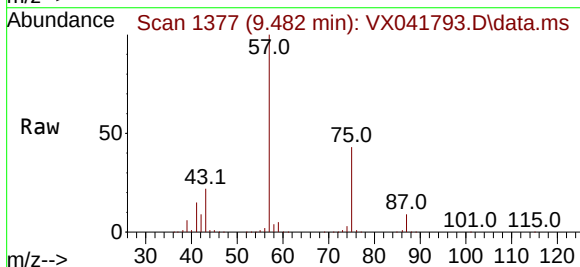
Tgt Ion: 43 Resp: 80018

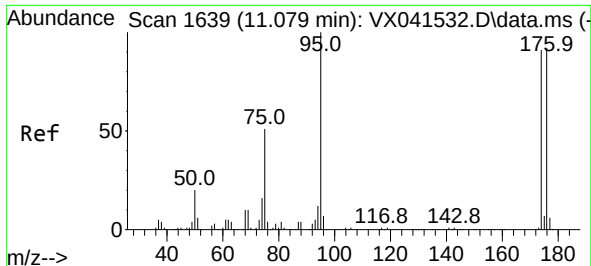
Ion Ratio Lower Upper

43 100

58 19.0 42.3 63.5#

57 475.7 15.1 22.7#

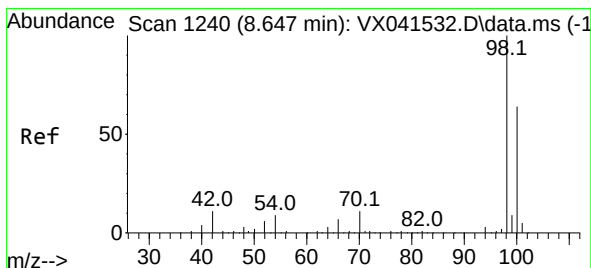
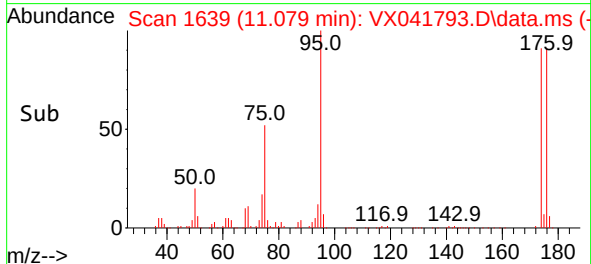
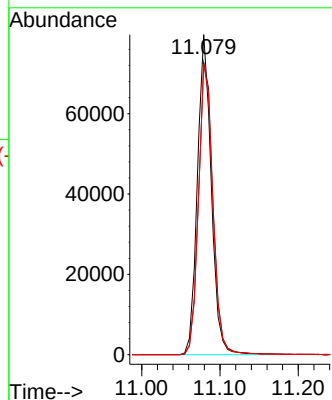
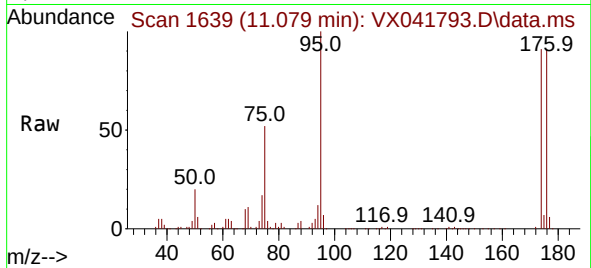




#60
4-Bromofluorobenzene
Concen: 28.830 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

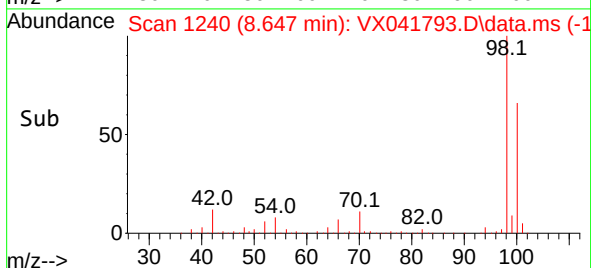
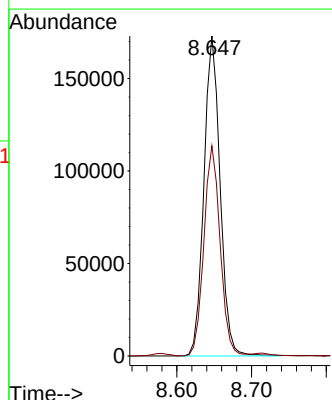
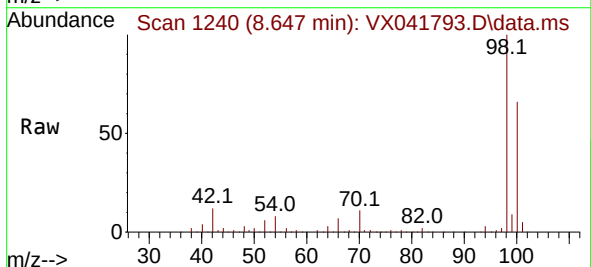
Instrument :
MSVOA_X
ClientSampleId :
PB161359ZHE#02

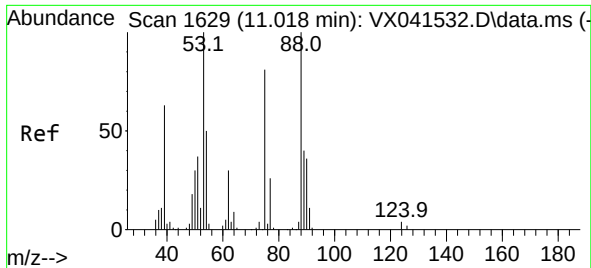
Tgt Ion: 95 Resp: 98680
Ion Ratio Lower Upper
95 100
174 95.1 76.6 115.0
176 92.9 75.4 113.0



#63
Toluene-d8
Concen: 27.699 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

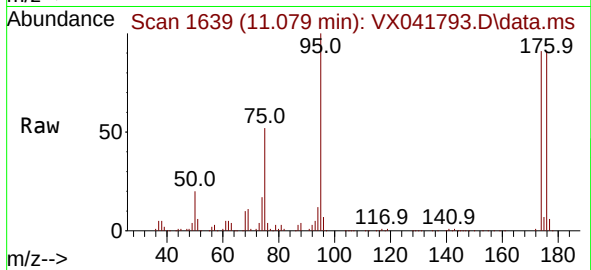
Tgt Ion: 98 Resp: 260338
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7





#77
t-1,4-Dichloro-2-butene
Concen: 42.717 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX041793.D
Acq: 07 Jun 2024 17:06

Instrument :
MSVOA_X
ClientSampleId :
PB161359ZHE#02



Tgt Ion: 75 Resp: 50123
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#

