

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
 Data File : VX041794.D
 Acq On : 07 Jun 2024 17:29
 Operator : JC/MD
 Sample : PB161359ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB161359ZHE#03

Quant Time: Jun 08 04:09:11 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)

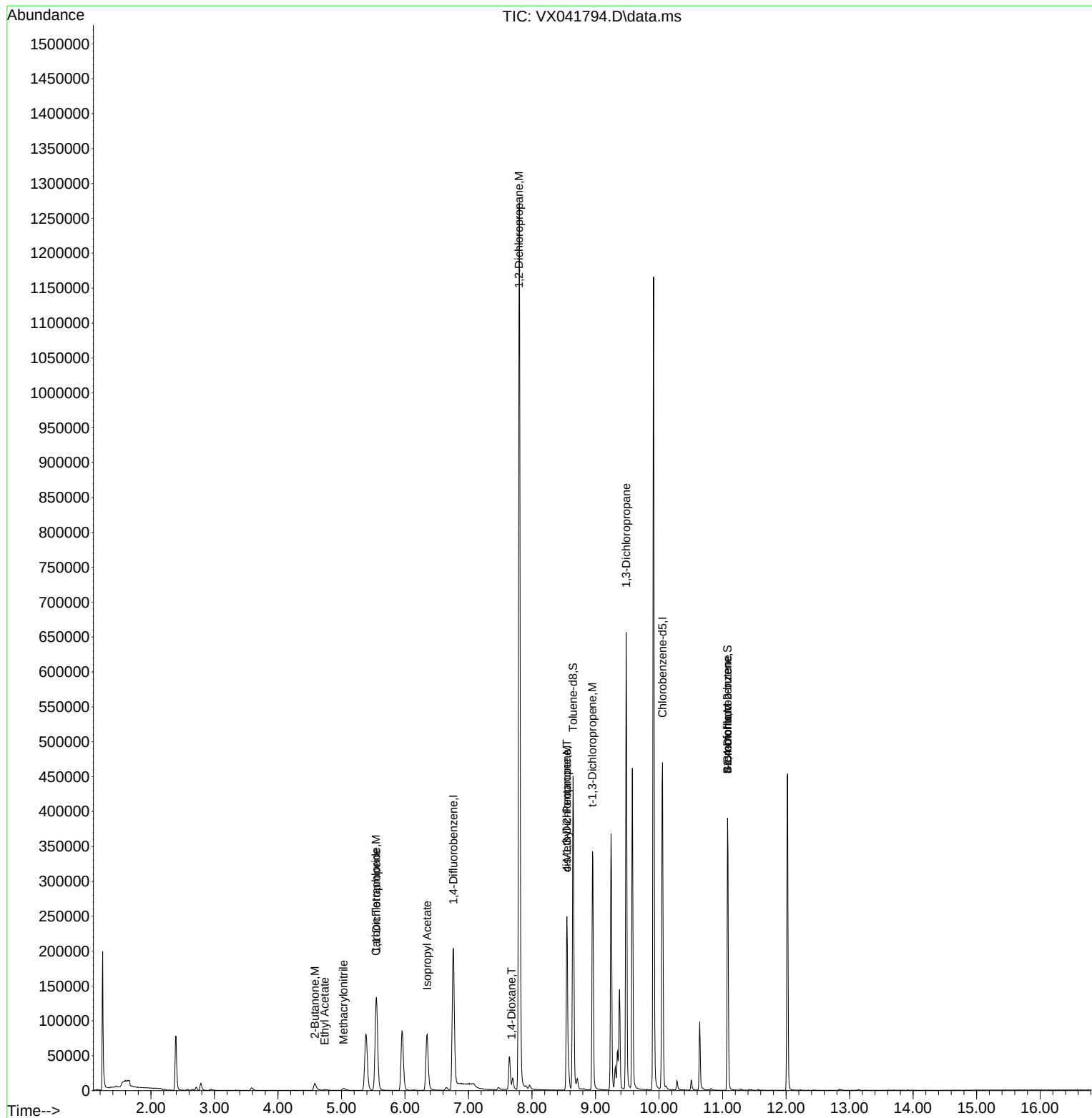
Internal Standards						
1) Bromochloromethane	0.000	128	0	0.000	ug/l	-4.90
28) 1,4-Difluorobenzene	6.763	114	216624	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	214966	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	84541	0.000	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	0.000%#
60) 4-Bromofluorobenzene	11.079	95	96349	28.711	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.700%
63) Toluene-d8	8.647	98	261692	28.399	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.667%
Target Compounds						
					Qvalue	
29) 1,1-Dichloropropene	5.550	75	9219	3.217	ug/l #	47
30) 2-Butanone	4.581	43	19843	10.433	ug/l #	97
33) Carbon Tetrachloride	5.544	117	12725	3.868	ug/l #	16
35) Methacrylonitrile	5.032	41	984	0.513	ug/l #	50
39) 1,2-Dichloropropane	7.793	63	1349	0.631	ug/l #	44
43) Ethyl Acetate	4.733	43	763	0.208	ug/l	99
44) Isopropyl Acetate	6.348	43	113151	20.397	ug/l	100
45) 1,4-Dioxane	7.678	88	79	1.263	ug/l #	1
48) t-1,3-Dichloropropene	8.952	75	822	0.259	ug/l #	44
49) cis-1,3-Dichloropropene	8.549	75	38970	11.334	ug/l #	60
52) 1,3-Dichloropropane	9.482	76	5674	1.466	ug/l #	42
56) Bromoform	11.079	173	1170	0.548	ug/l #	1
58) 4-Methyl-2-Pentanone	8.549	43	95876	24.410	ug/l #	50
77) t-1,4-Dichloro-2-butene	11.079	75	48788	42.411	ug/l #	1

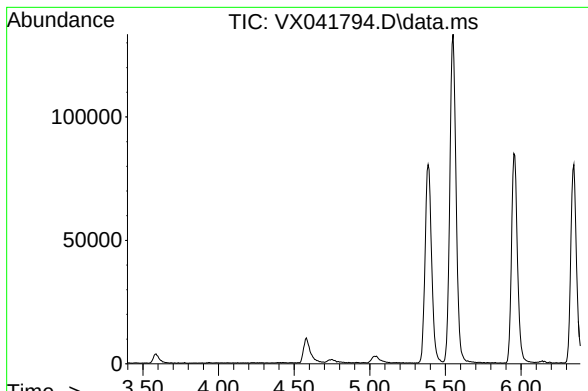
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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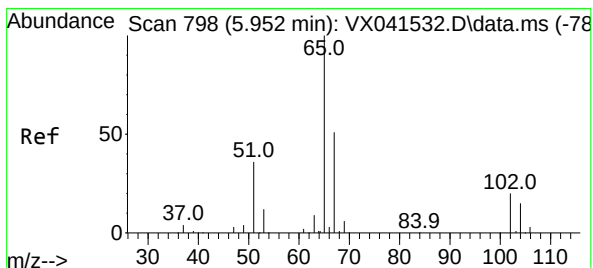
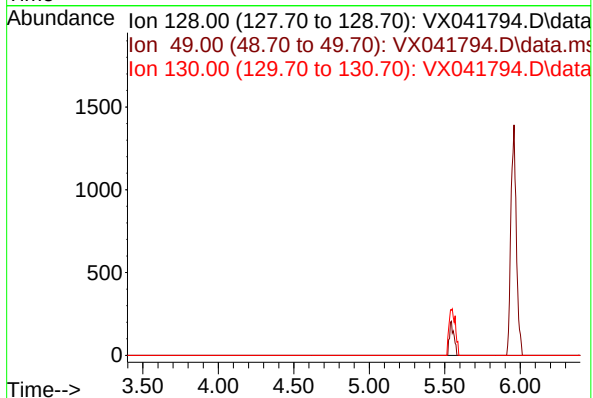


#1
 Bromochloromethane
 Concen: 0.000 ug/l
 Expected RT: 4.90 min
 Lab File: VX041794.D
 Acq: 07 Jun 2024 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 PB161359ZHE#03

Tgt Ion: 128

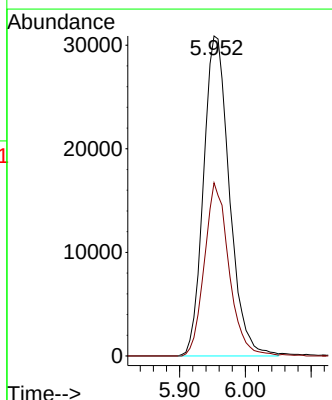
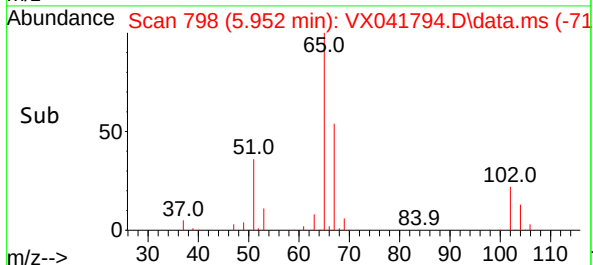
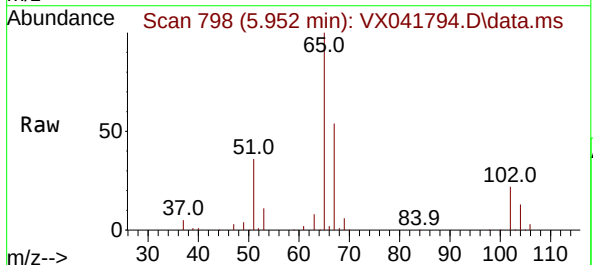
Sig	Exp Ratio
128	100
49	144.6
130	129.7

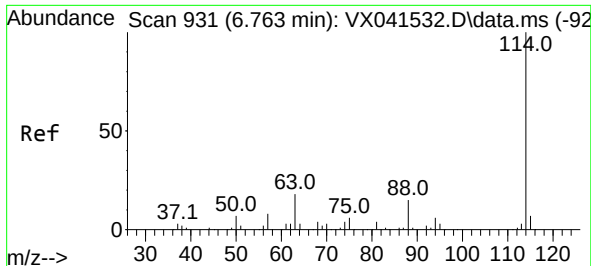


#27
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX041794.D
 Acq: 07 Jun 2024 17:29

Tgt Ion: 65 Resp: 84541

Ion	Ratio	Lower	Upper
65	100		
67	51.2	40.8	61.2

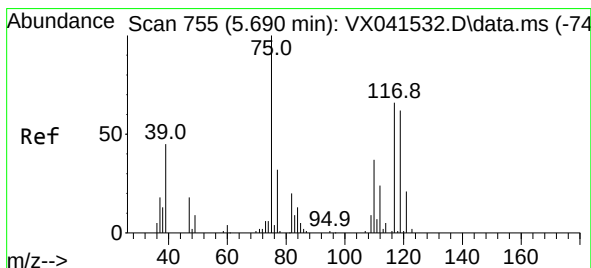
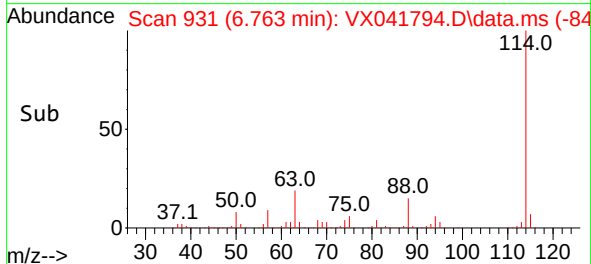
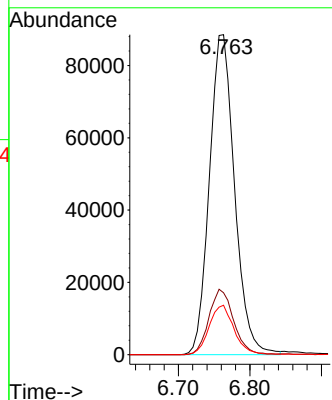
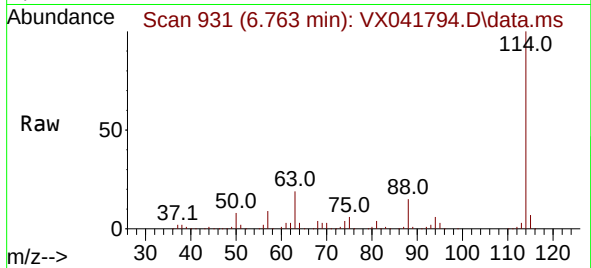




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX041794.D
 Acq: 07 Jun 2024 17:29

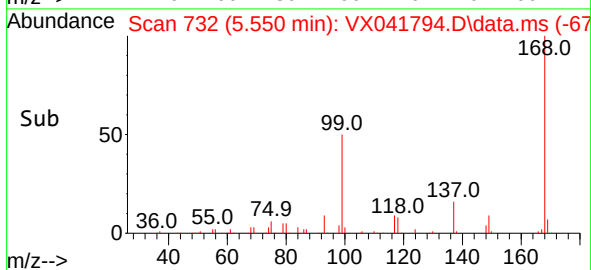
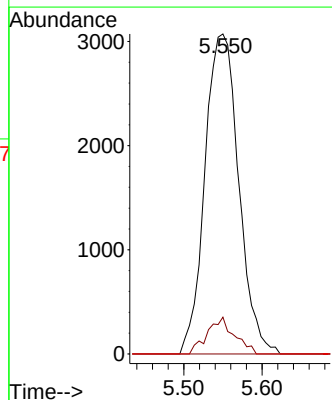
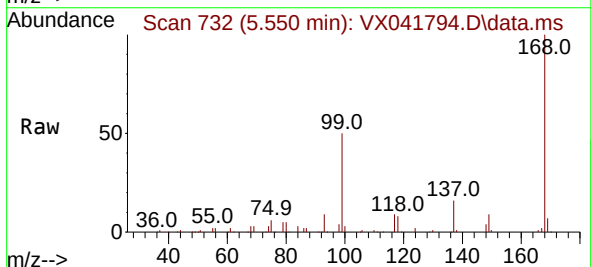
Instrument :
 MSVOA_X
 ClientSampleId :
 PB161359ZHE#03

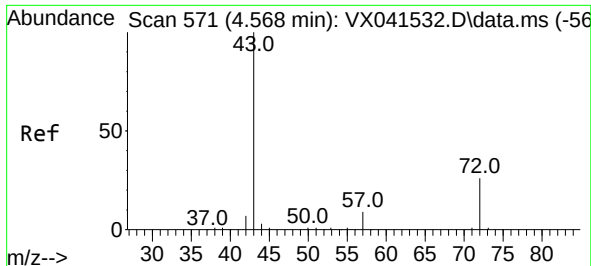
Tgt Ion:114 Resp: 216624
 Ion Ratio Lower Upper
 114 100
 63 20.0 15.4 23.0
 88 15.3 12.2 18.2



#29
 1,1-Dichloropropene
 Concen: 3.217 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.140 min
 Lab File: VX041794.D
 Acq: 07 Jun 2024 17:29

Tgt Ion: 75 Resp: 9219
 Ion Ratio Lower Upper
 75 100
 110 8.0 0.0 74.4
 77 0.0 0.0 62.6

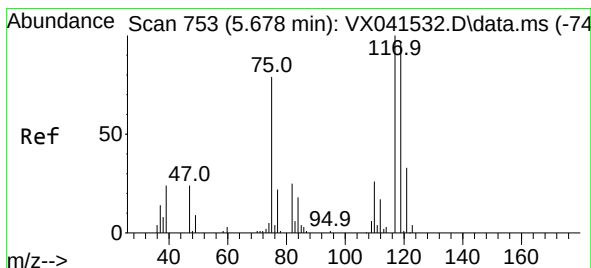
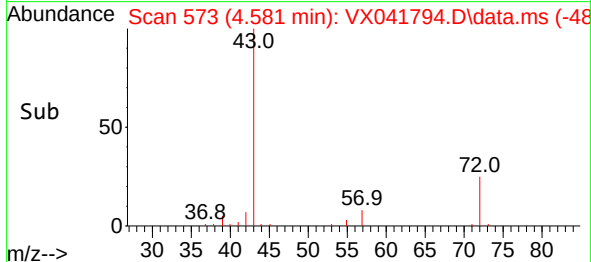
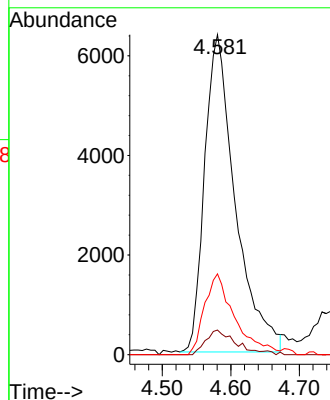
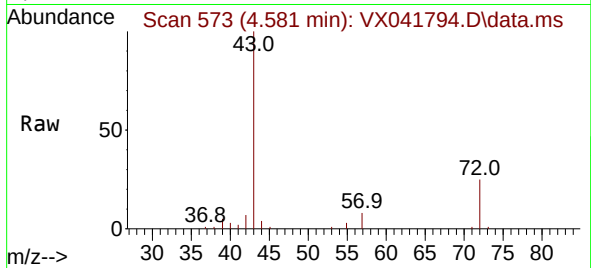




#30
2-Butanone
Concen: 10.433 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

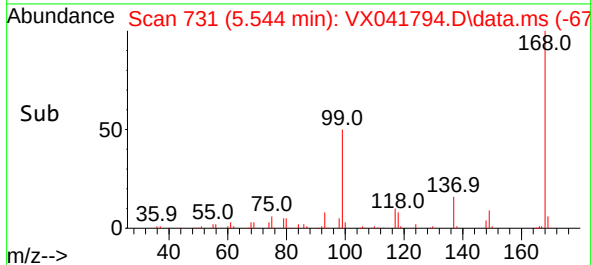
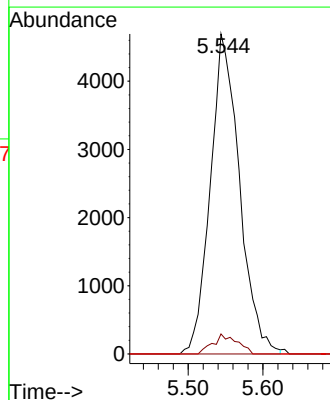
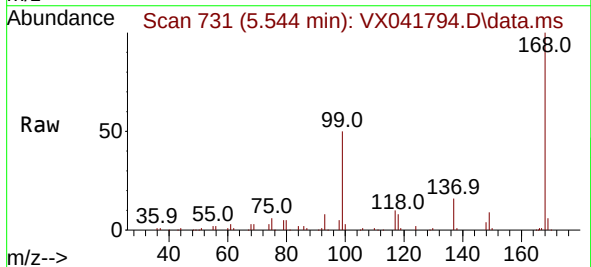
Instrument :
MSVOA_X
ClientSampleId :
PB161359ZHE#03

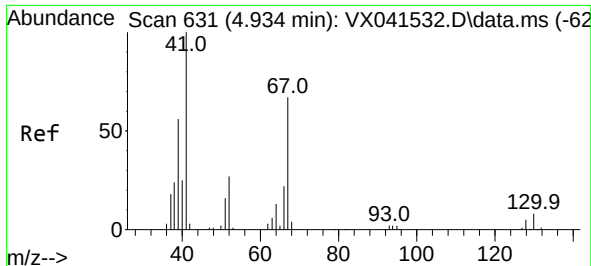
Tgt Ion: 43 Resp: 19843
Ion Ratio Lower Upper
43 100
57 6.2 6.6 10.0#
72 25.1 20.7 31.1



#33
Carbon Tetrachloride
Concen: 3.868 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

Tgt Ion: 117 Resp: 12725
Ion Ratio Lower Upper
117 100
119 6.3 77.4 116.2#
121 0.0 26.4 39.6#

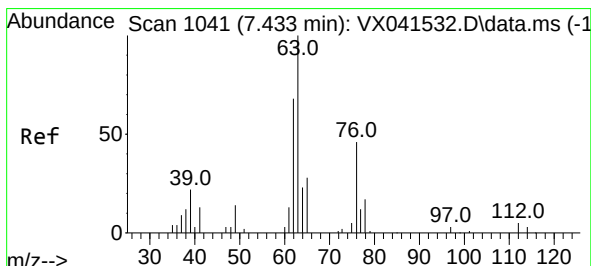
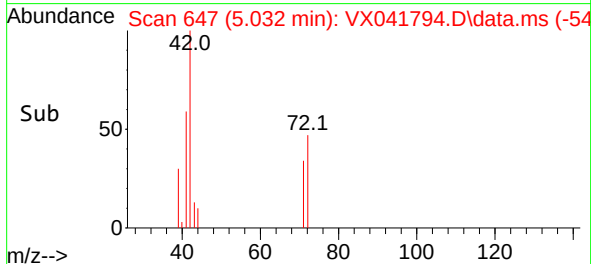
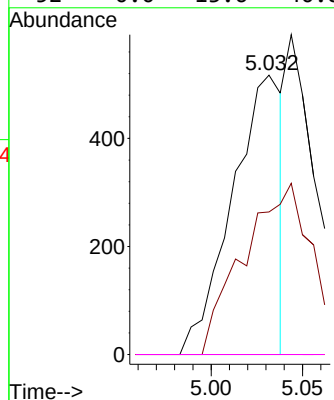
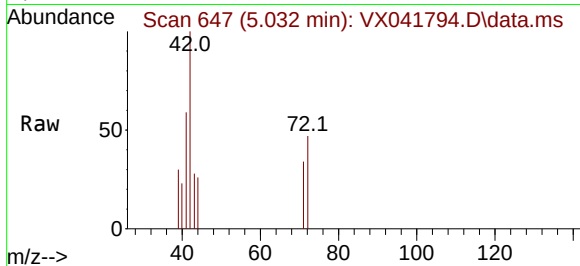




#35
Methacrylonitrile
Concen: 0.513 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.098 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

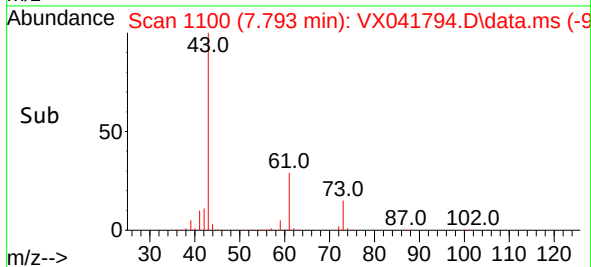
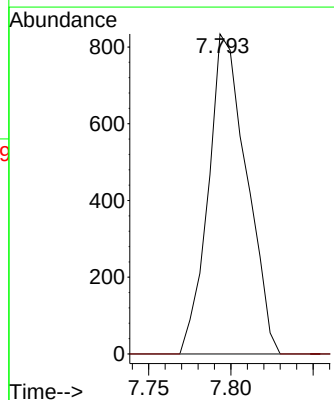
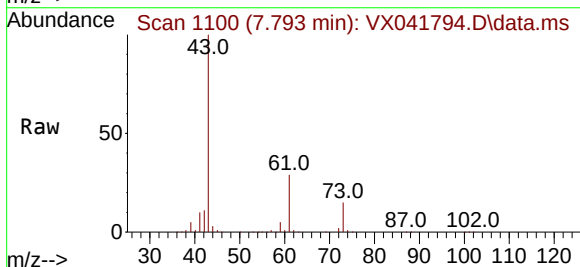
Instrument :
MSVOA_X
ClientSampleId :
PB161359ZHE#03

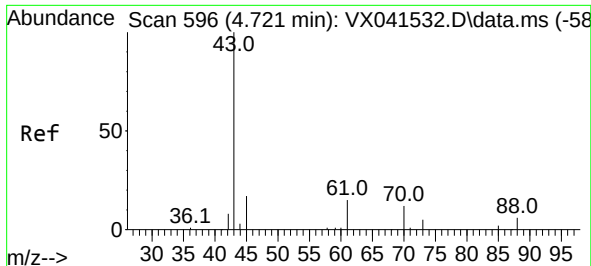
Tgt Ion:	41	Resp:	984
Ion	Ratio	Lower	Upper
41	100		
39	51.1	28.1	84.4
67	0.0	33.7	101.1#
52	0.0	13.6	40.8#



#39
1,2-Dichloropropane
Concen: 0.631 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.360 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

Tgt Ion:	63	Resp:	1349
Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.2	36.2#

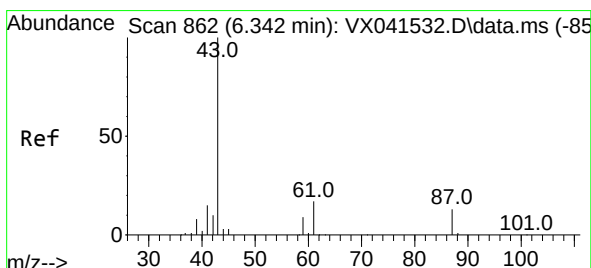
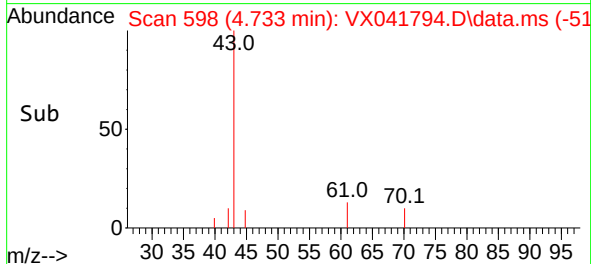
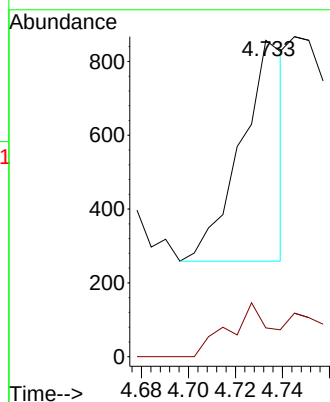
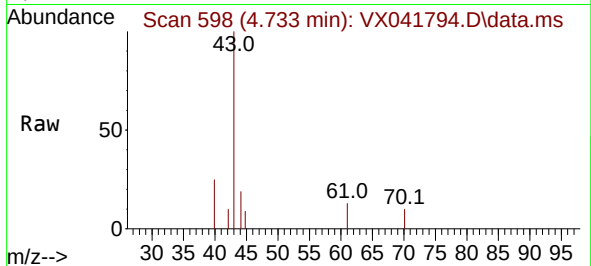




#43
Ethyl Acetate
Concen: 0.208 ug/l
RT: 4.733 min Scan# 596
Delta R.T. 0.012 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

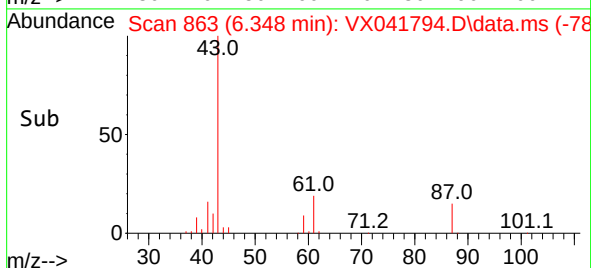
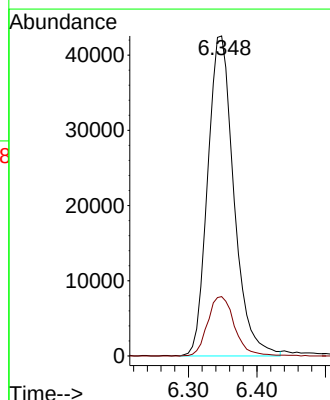
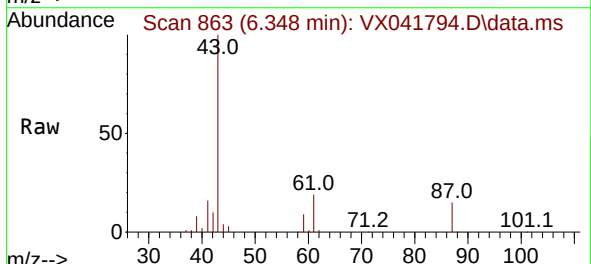
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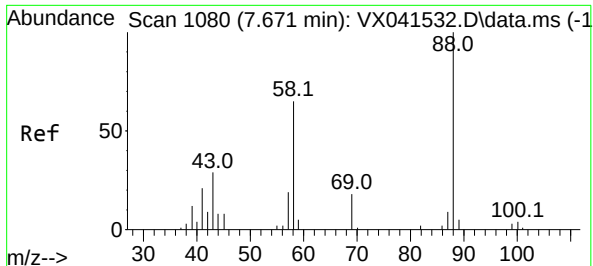
Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
45 14.3 11.9 17.9



#44
Isopropyl Acetate
Concen: 20.397 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

Tgt Ion: 43 Resp: 113151
Ion Ratio Lower Upper
43 100
61 19.0 15.3 22.9

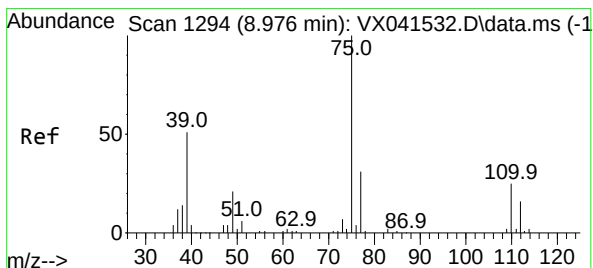
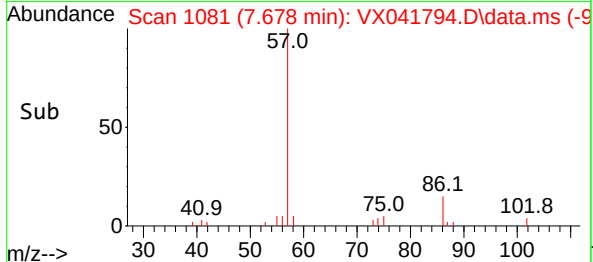
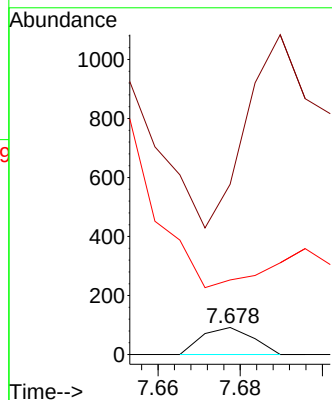
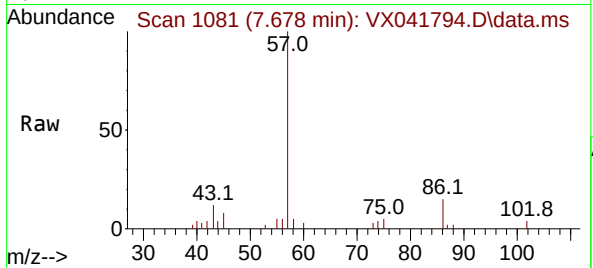




#45
1,4-Dioxane
Concen: 1.263 ug/l
RT: 7.678 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

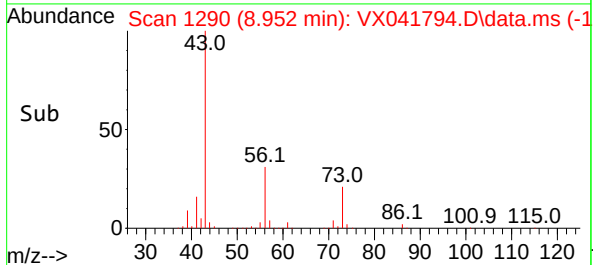
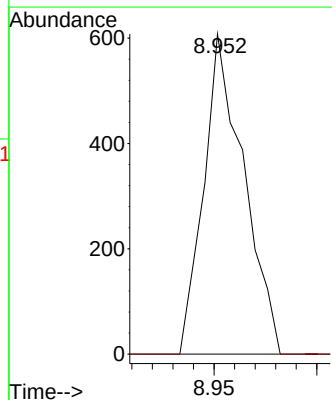
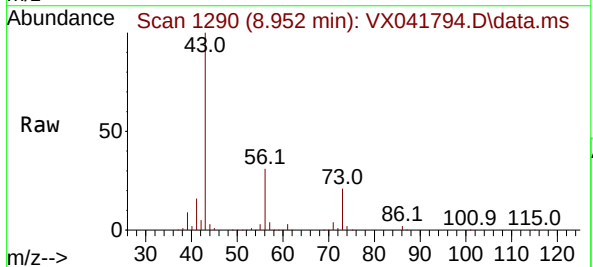
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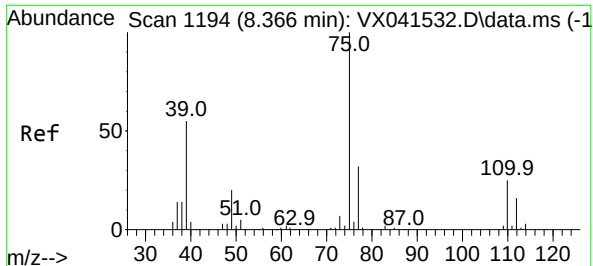
Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 1786.1 24.9 37.3#
58 931.6 47.0 70.4#



#48
t-1,3-Dichloropropene
Concen: 0.259 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

Tgt Ion: 75 Resp: 822
Ion Ratio Lower Upper
75 100
77 0.0 24.5 36.7#





#49

cis-1,3-Dichloropropene

Concen: 11.334 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. 0.183 min

Lab File: VX041794.D

Acq: 07 Jun 2024 17:29

Instrument :

MSVOA_X

ClientSampleId :

PB161359ZHE#03

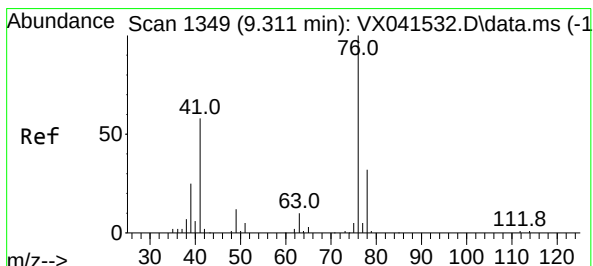
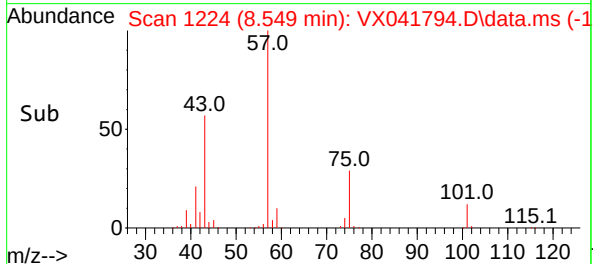
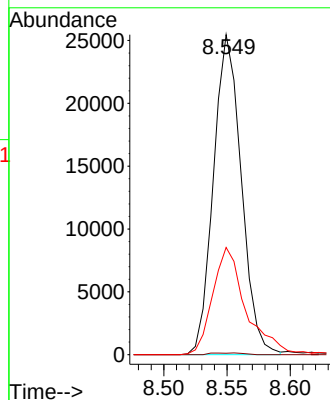
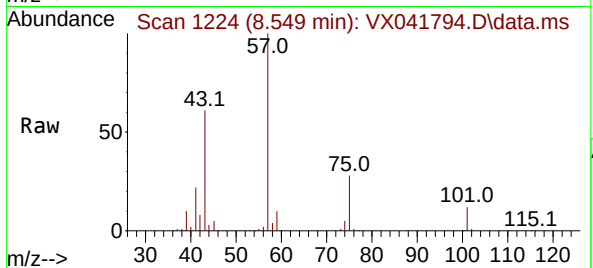
Tgt Ion: 75 Resp: 38970

Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.8#

39 33.5 43.6 65.4#



#52

1,3-Dichloropropane

Concen: 1.466 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX041794.D

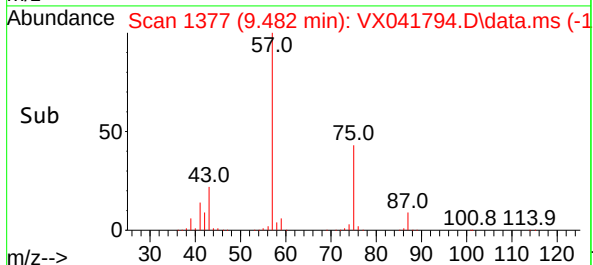
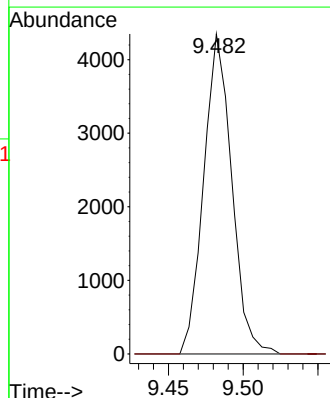
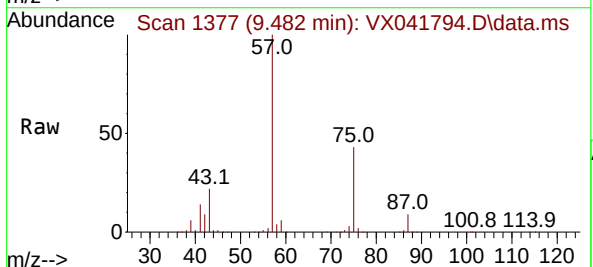
Acq: 07 Jun 2024 17:29

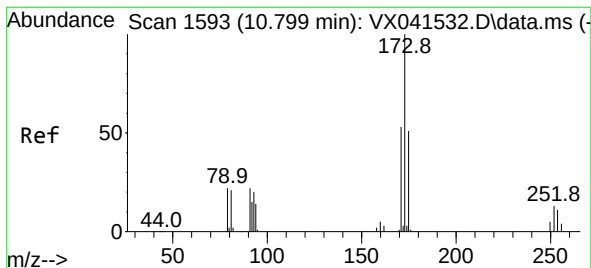
Tgt Ion: 76 Resp: 5674

Ion Ratio Lower Upper

76 100

78 0.0 0.0 64.4





#56

Bromoform

Concen: 0.548 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.281 min

Lab File: VX041794.D

Acq: 07 Jun 2024 17:29

Instrument :

MSVOA_X

ClientSampleId :

PB161359ZHE#03

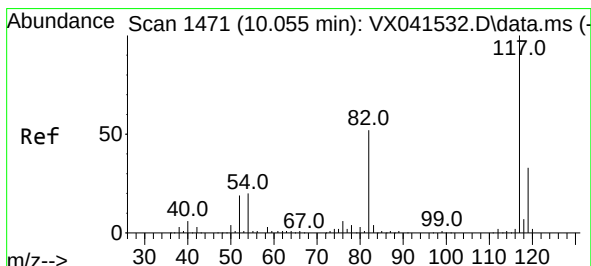
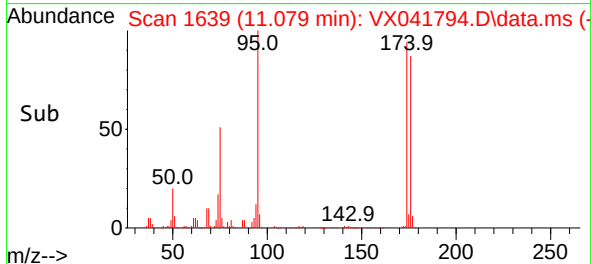
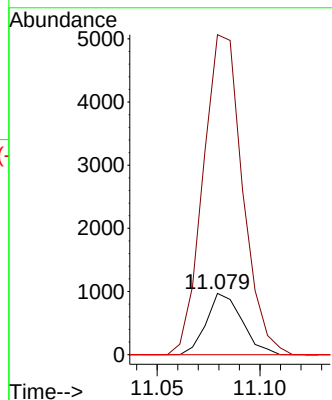
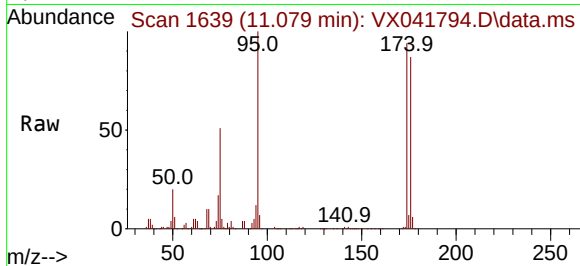
Tgt Ion:173 Resp: 1170

Ion Ratio Lower Upper

173 100

175 579.7 39.0 58.6#

254 0.0 10.3 15.5#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041794.D

Acq: 07 Jun 2024 17:29

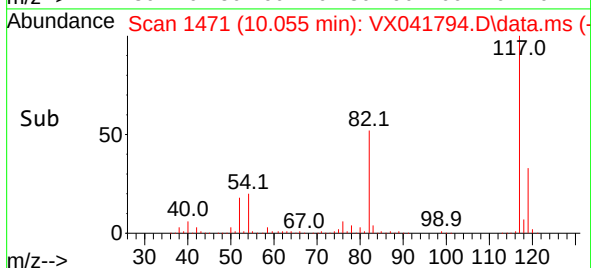
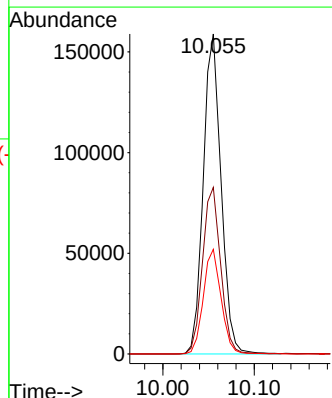
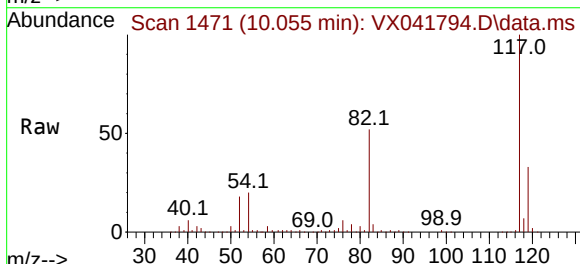
Tgt Ion:117 Resp: 214966

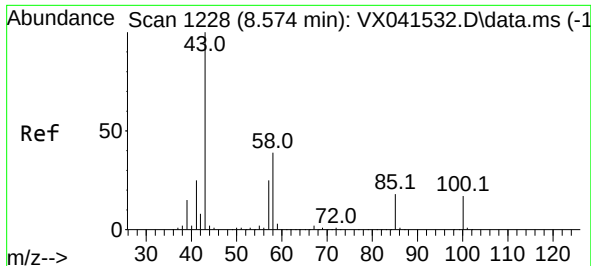
Ion Ratio Lower Upper

117 100

82 52.9 41.7 62.5

119 32.5 25.7 38.5

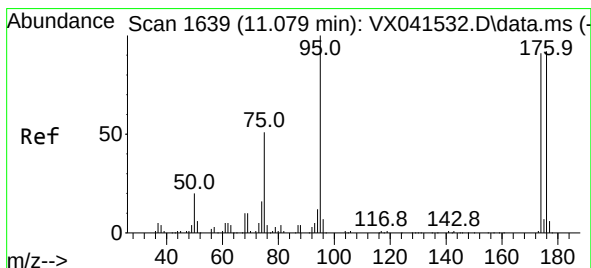
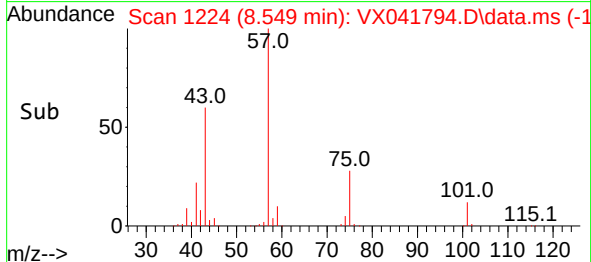
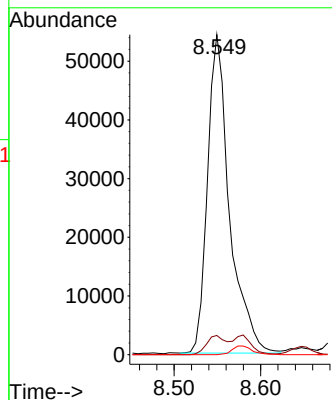
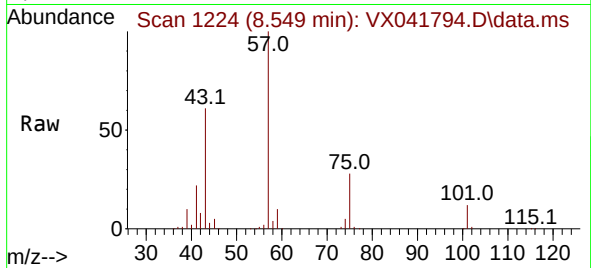




#58
4-Methyl-2-Pentanone
Concen: 24.410 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

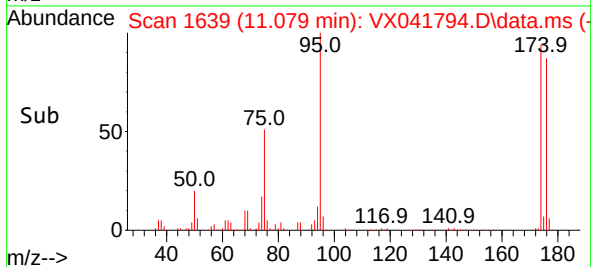
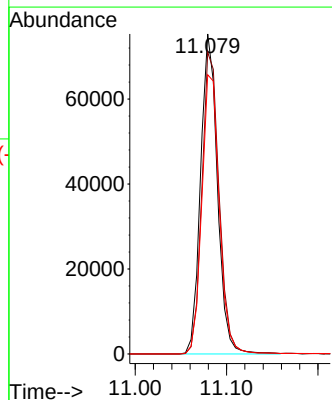
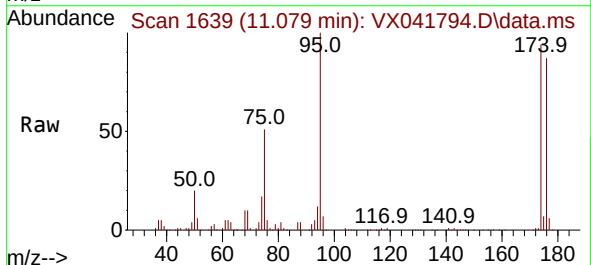
Instrument :
MSVOA_X
ClientSampleId :
PB161359ZHE#03

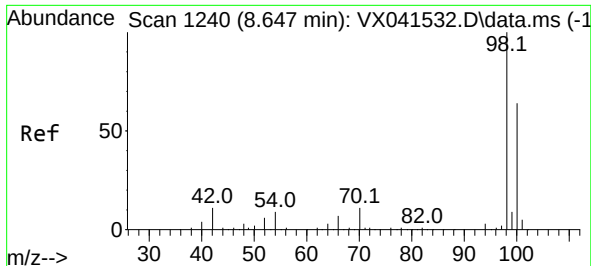
Tgt Ion: 43 Resp: 95876
Ion Ratio Lower Upper
43 100
58 5.2 30.2 45.4#
85 0.0 14.6 21.8#



#60
4-Bromofluorobenzene
Concen: 28.711 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

Tgt Ion: 95 Resp: 96349
Ion Ratio Lower Upper
95 100
174 96.9 76.6 115.0
176 90.9 75.4 113.0

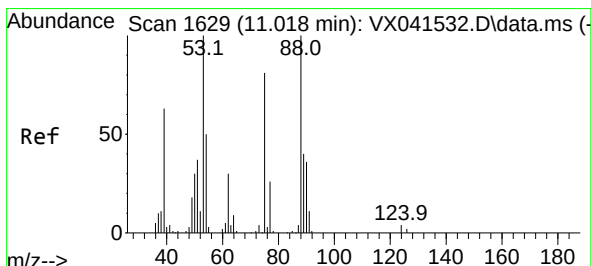
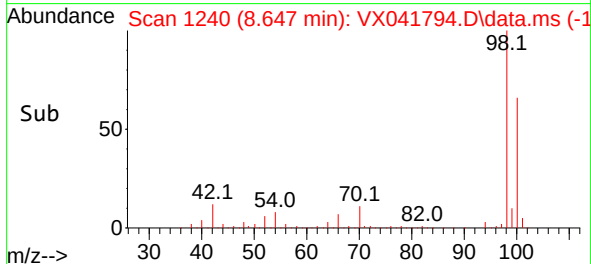
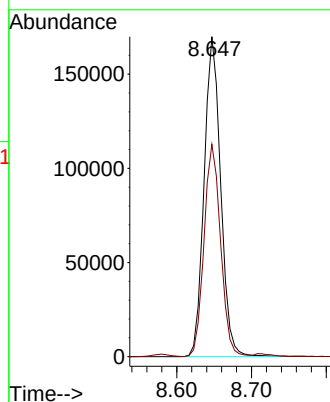
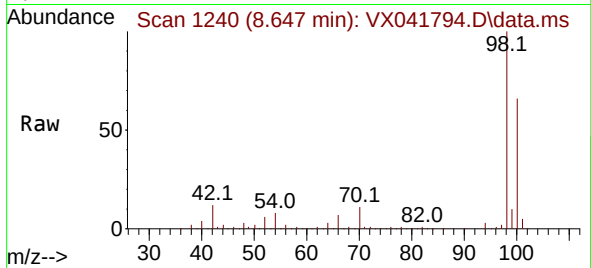




#63
Toluene-d8
Concen: 28.399 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

Instrument :
MSVOA_X
ClientSampleId :
PB161359ZHE#03

Tgt Ion: 98 Resp: 261692
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7



#77
t-1,4-Dichloro-2-butene
Concen: 42.411 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041794.D
Acq: 07 Jun 2024 17:29

Tgt Ion: 75 Resp: 48788
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#

