

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061523\
 Data File : VX036168.D
 Acq On : 15 Jun 2023 14:42
 Operator : JC/MD
 Sample : 03218-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(JUNE)

Quant Time: Jun 16 07:54:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 2023
 Response via : Initial Calibration

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

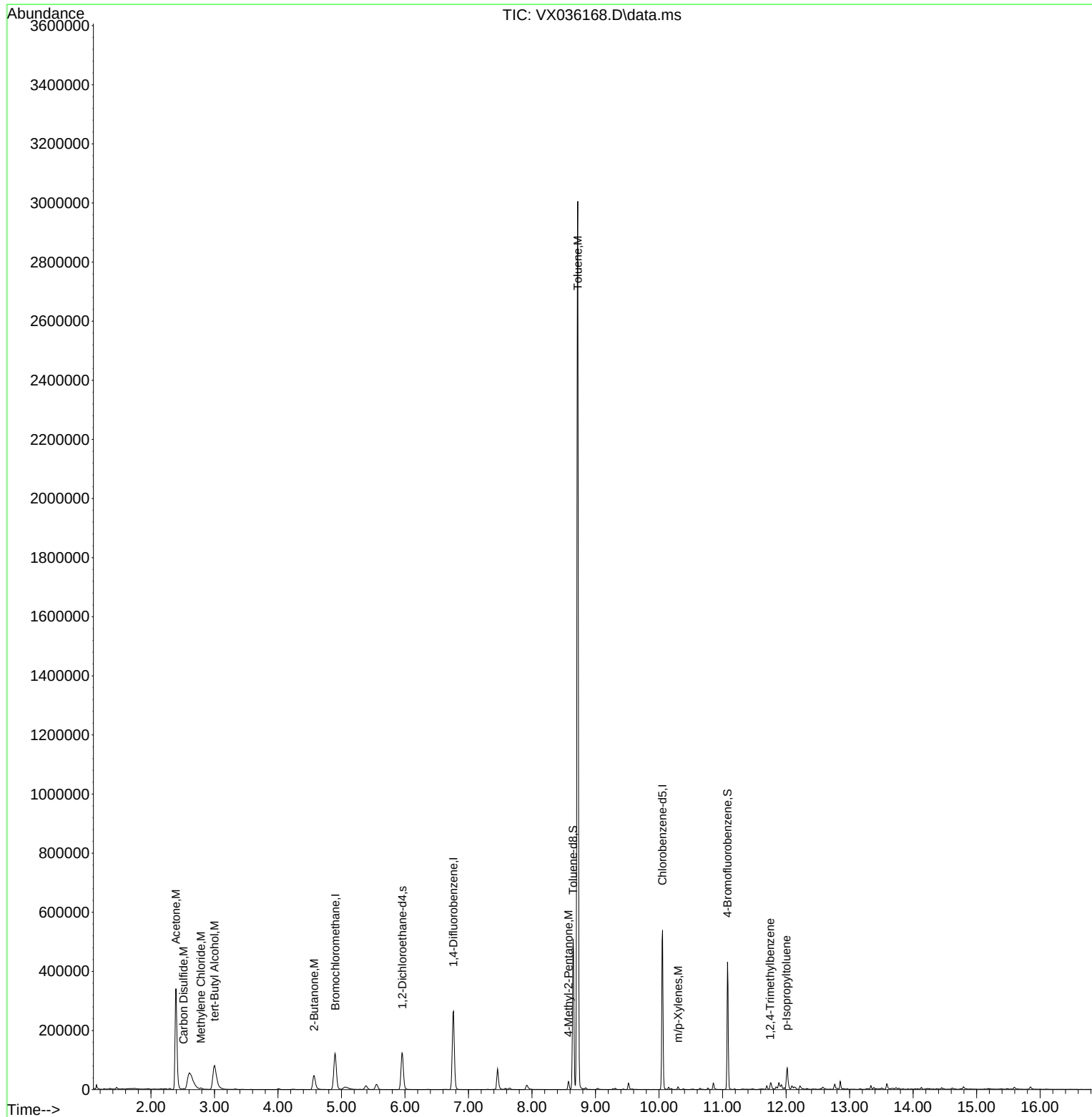
Internal Standards						
1) Bromochloromethane	4.903	128	46311	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.763	114	246831	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	224070	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	127280	33.077	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.267%#
60) 4-Bromofluorobenzene	11.079	95	114148	30.360	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.200%
63) Toluene-d8	8.647	98	284838	28.755	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.833%
Target Compounds						
					Qvalue	
15) Acetone	2.392	58	126614	257.419	ug/l	89
16) Carbon Disulfide	2.514	76	1776	0.353	ug/l	100
18) Methylene Chloride	2.788	84	1765	0.584	ug/l #	90
23) tert-Butyl Alcohol	3.001	59	172959	288.143	ug/l #	100
30) 2-Butanone	4.568	43	91738	40.772	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	16366	3.760	ug/l	99
62) Toluene	8.720	91	1849087	160.246	ug/l	98
67) m/p-Xylenes	10.299	106	2144	0.439	ug/l	90
80) 1,2,4-Trimethylbenzene	11.750	105	4179	0.393	ug/l	63
82) p-Isopropyltoluene	12.006	119	15273	1.422	ug/l	96

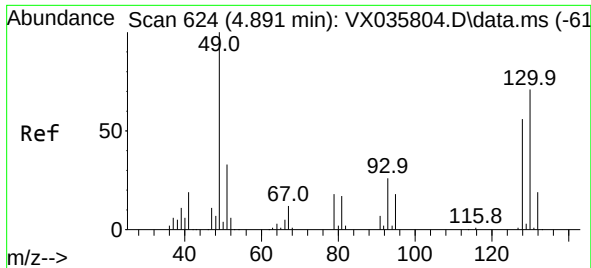
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 23 11:36:37 2023
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.903 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX036168.D

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MSVOA_X

ClientSampleId :

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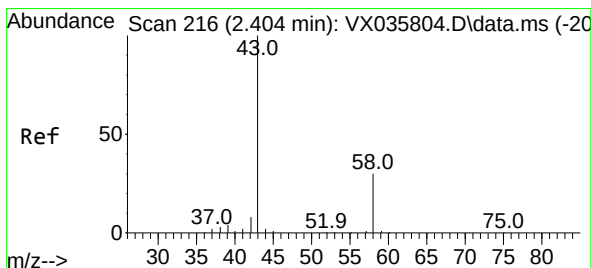
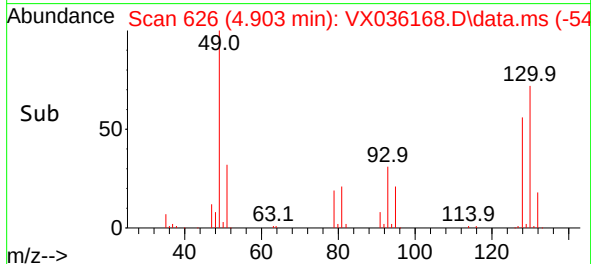
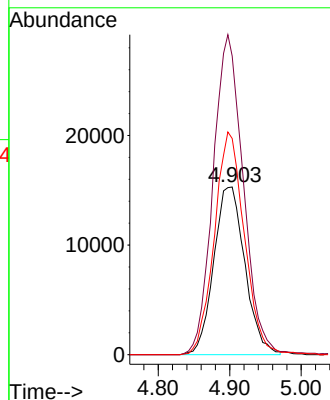
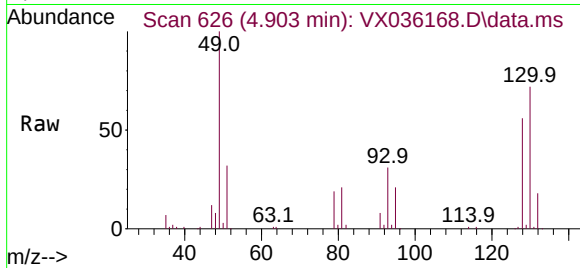
Tgt Ion:128 Resp: 46311

Ion Ratio Lower Upper

128 100

49 184.5 0.0 428.8

130 127.7 0.0 310.8



#15

Acetone

Concen: 257.419 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.012 min

Lab File: VX036168.D

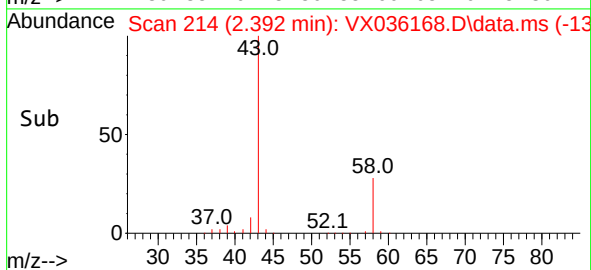
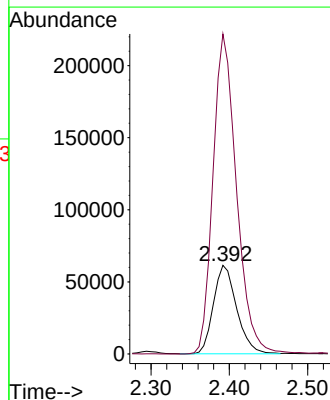
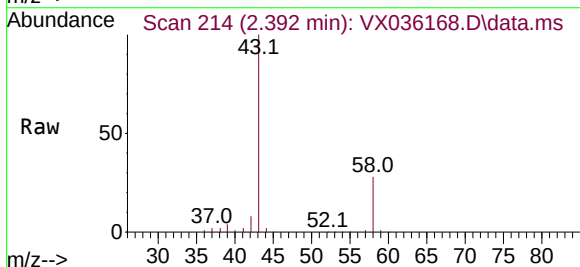
Acq: 15 Jun 2023 14:42

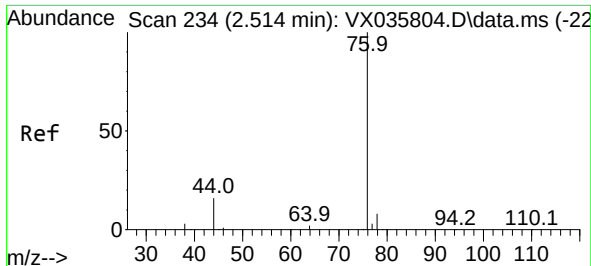
Tgt Ion: 58 Resp: 126614

Ion Ratio Lower Upper

58 100

43 361.5 270.8 406.2

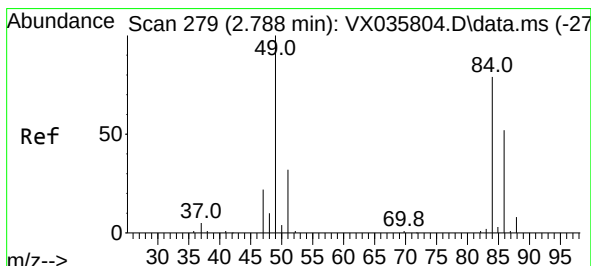
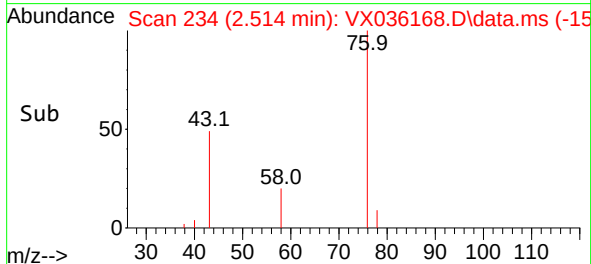
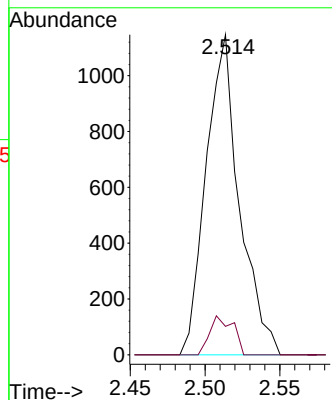
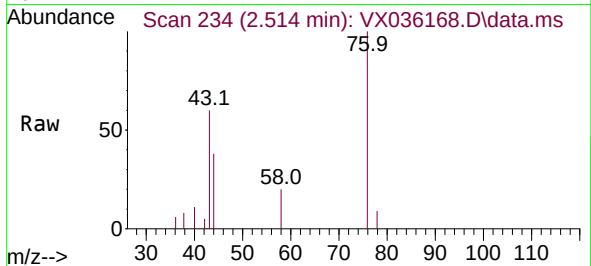




#16
Carbon Disulfide
Concen: 0.353 ug/l
RT: 2.514 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX036168.D
Acq: 15 Jun 2023 14:42

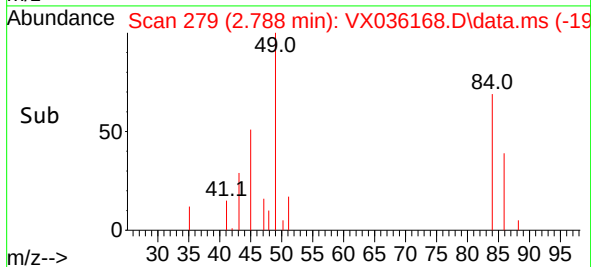
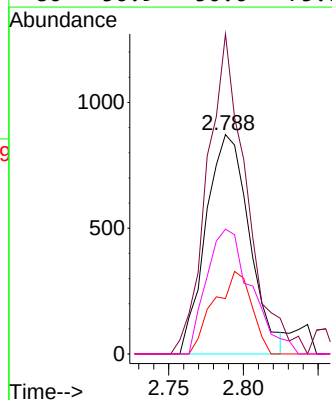
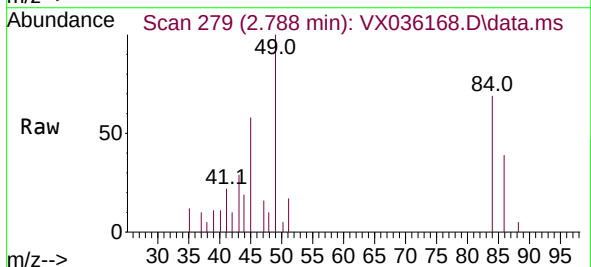
Instrument :
MSVOA_X
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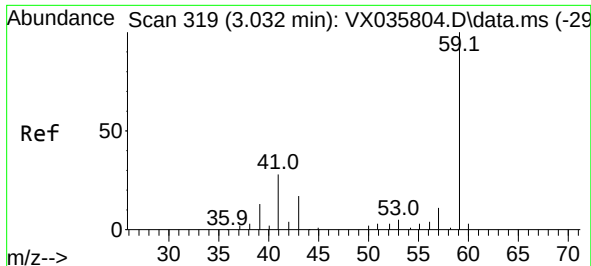
Tgt Ion: 76 Resp: 1776
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6



#18
Methylene Chloride
Concen: 0.584 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036168.D
Acq: 15 Jun 2023 14:42

Tgt Ion: 84 Resp: 1765
Ion Ratio Lower Upper
84 100
49 139.4 103.9 155.9
51 25.2 30.6 45.8#
86 56.9 50.6 75.8

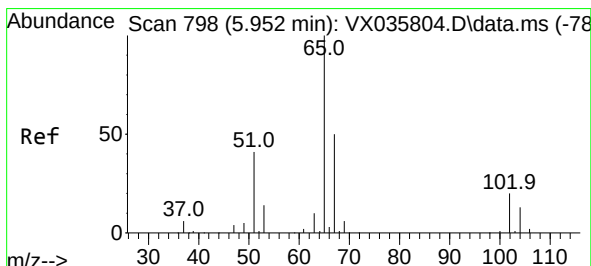
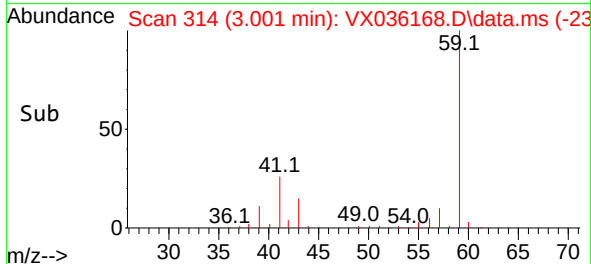
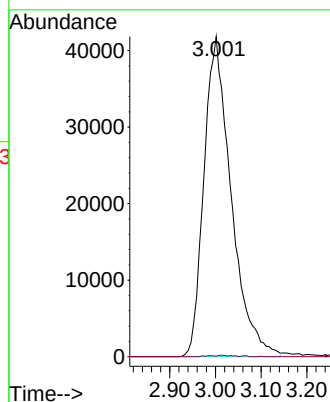
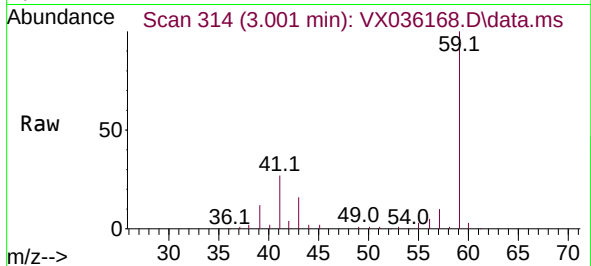




#23
tert-Butyl Alcohol
Concen: 288.143 ug/l
RT: 3.001 min Scan# 31
Delta R.T. -0.031 min
Lab File: VX036168.D
Acq: 15 Jun 2023 14:42

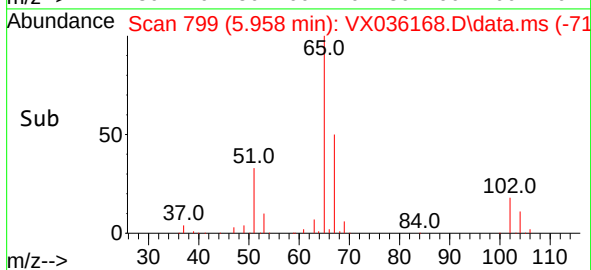
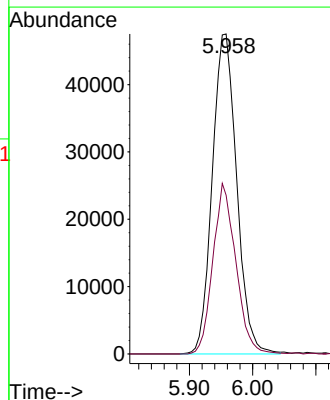
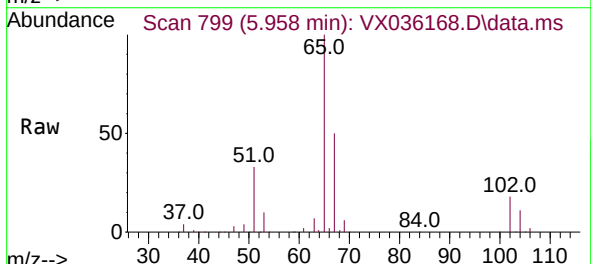
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

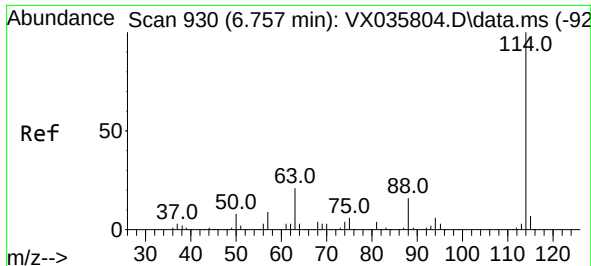
Tgt Ion: 59 Resp: 172959
Ion Ratio Lower Upper
59 100
52 0.2 0.2 0.4#



#27
1,2-Dichloroethane-d4
Concen: 33.077 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036168.D
Acq: 15 Jun 2023 14:42

Tgt Ion: 65 Resp: 127280
Ion Ratio Lower Upper
65 100
67 50.0 40.9 61.3

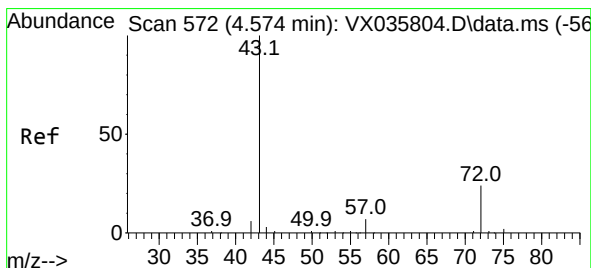
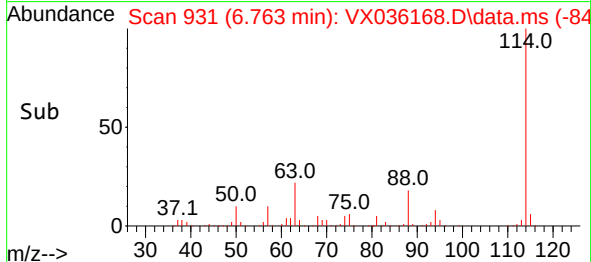
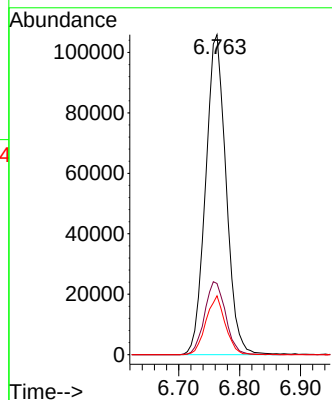
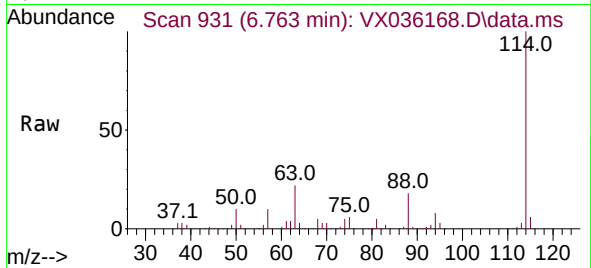




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VX036168.D
 Acq: 15 Jun 2023 14:42

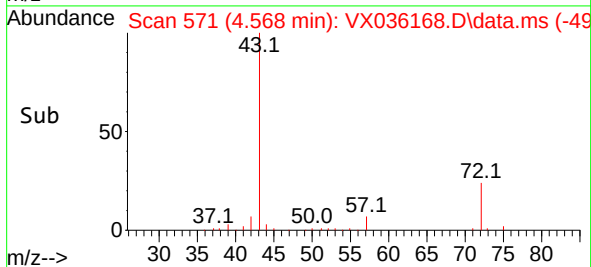
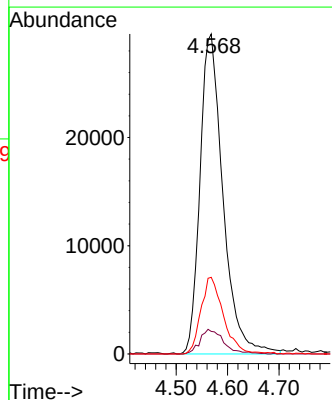
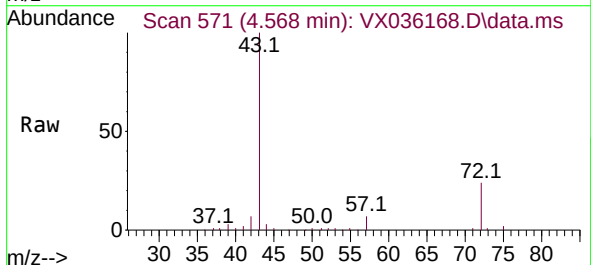
Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(JUNE)

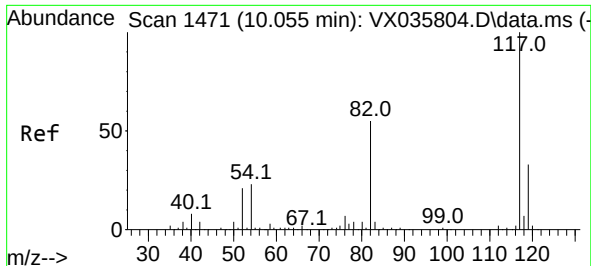
Tgt Ion:114 Resp: 246831
 Ion Ratio Lower Upper
 114 100
 63 23.5 18.0 27.0
 88 17.4 13.3 19.9



#30
 2-Butanone
 Concen: 40.772 ug/l
 RT: 4.568 min Scan# 571
 Delta R.T. -0.006 min
 Lab File: VX036168.D
 Acq: 15 Jun 2023 14:42

Tgt Ion: 43 Resp: 91738
 Ion Ratio Lower Upper
 43 100
 57 7.7 6.3 9.5
 72 23.2 19.6 29.4





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX036168.D

Acq: 15 Jun 2023 14:42

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JUNE)

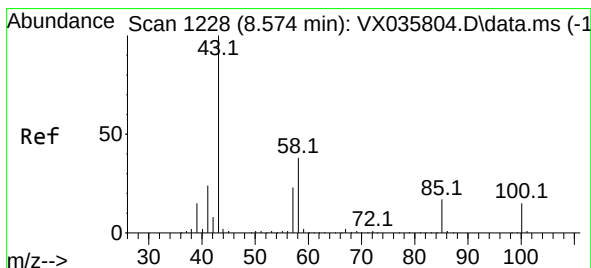
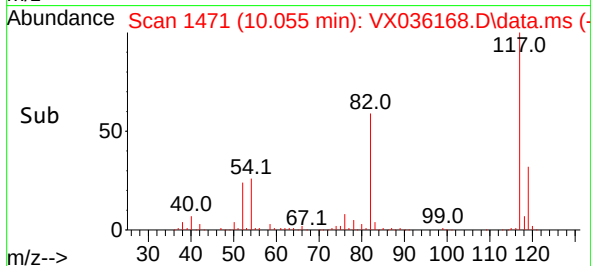
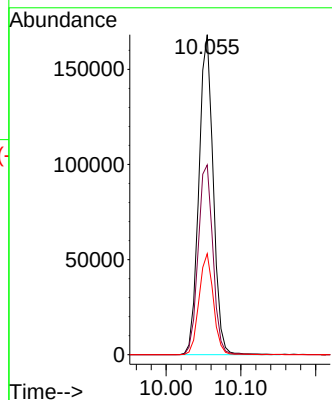
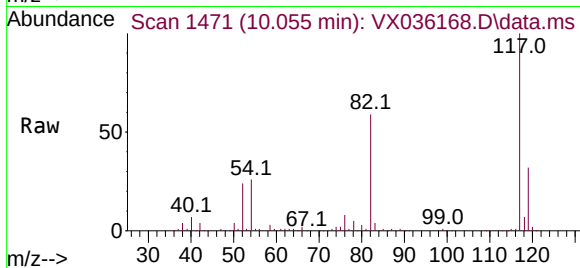
Tgt Ion:117 Resp: 224070

Ion Ratio Lower Upper

117 100

82 60.9 45.8 68.8

119 31.4 25.4 38.0



#58

4-Methyl-2-Pentanone

Concen: 3.760 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX036168.D

Acq: 15 Jun 2023 14:42

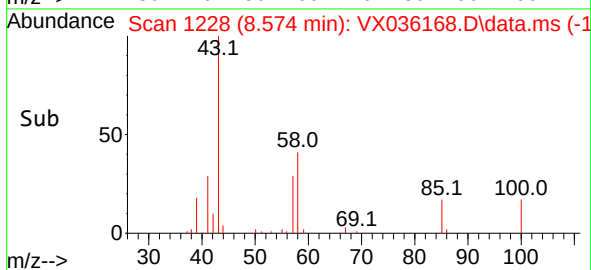
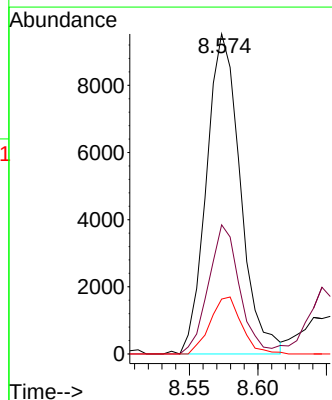
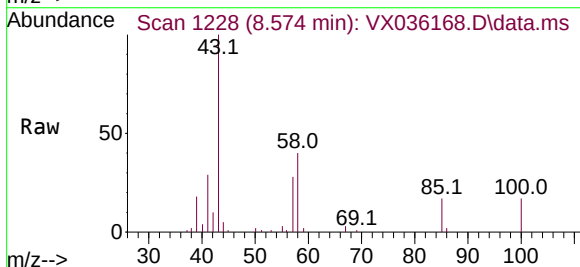
Tgt Ion: 43 Resp: 16366

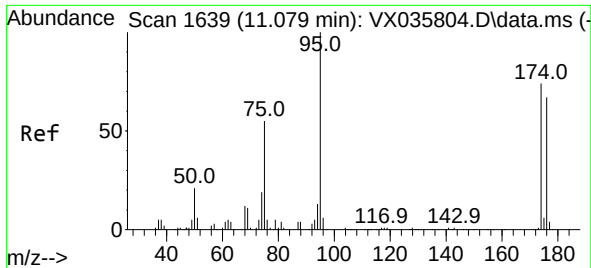
Ion Ratio Lower Upper

43 100

58 37.0 29.9 44.9

85 16.5 13.2 19.8

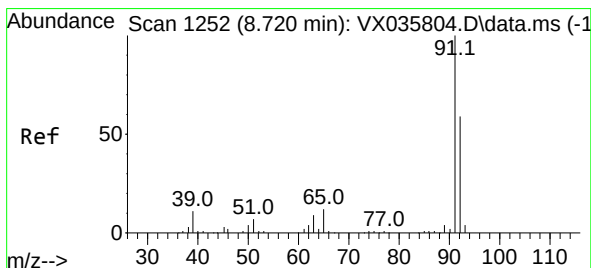
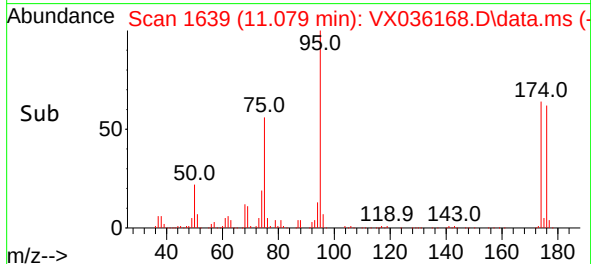
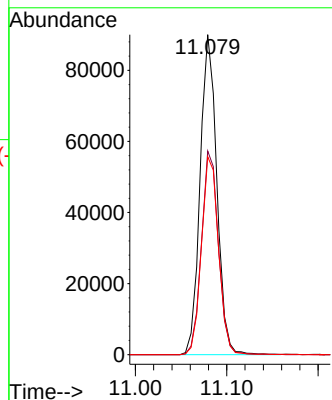
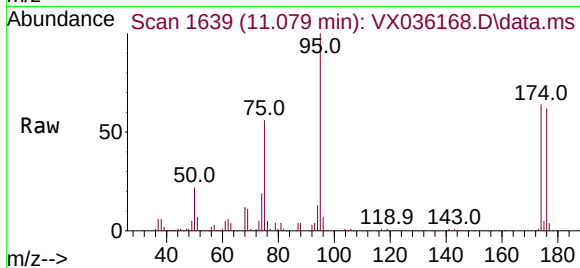




#60
4-Bromofluorobenzene
Concen: 30.360 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036168.D
Acq: 15 Jun 2023 14:42

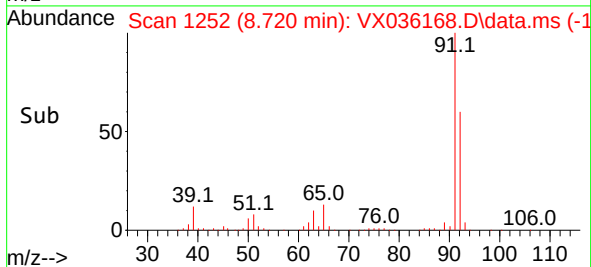
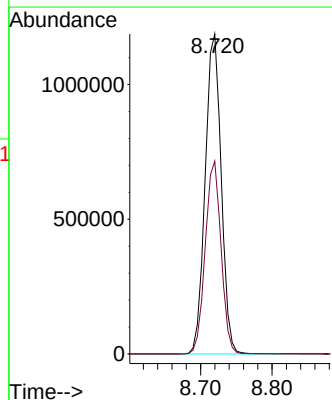
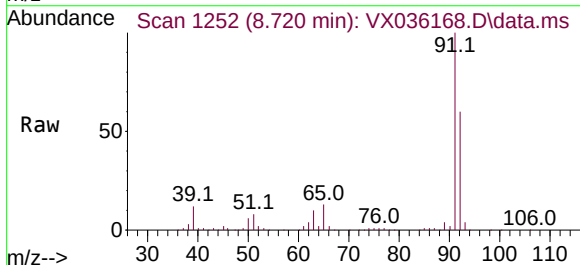
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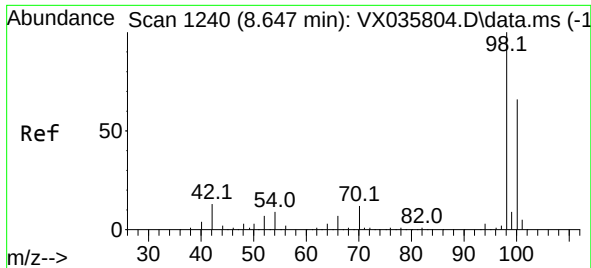
Tgt Ion: 95 Resp: 114148
Ion Ratio Lower Upper
95 100
174 64.4 0.2 0.4#
176 63.2 0.2 0.2#



#62
Toluene
Concen: 160.246 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036168.D
Acq: 15 Jun 2023 14:42

Tgt Ion: 91 Resp: 1849087
Ion Ratio Lower Upper
91 100
92 59.4 46.5 69.7

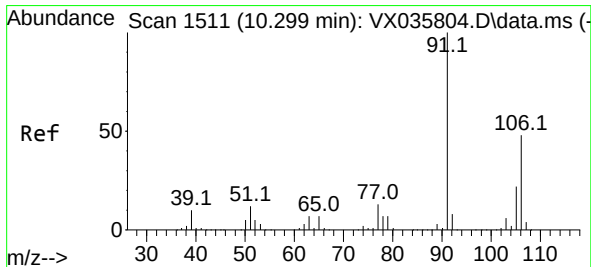
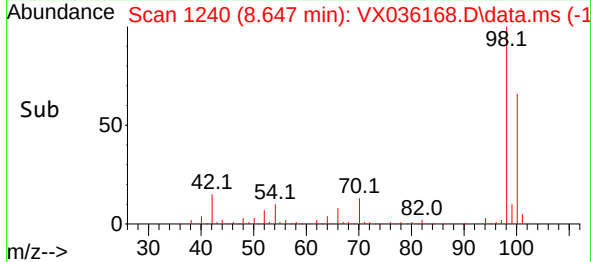
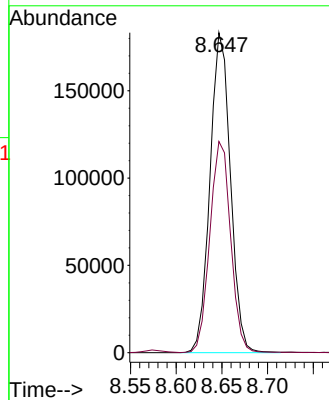
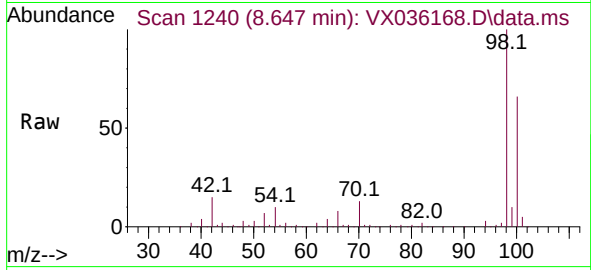




#63
Toluene-d8
Concen: 28.755 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036168.D
Acq: 15 Jun 2023 14:42

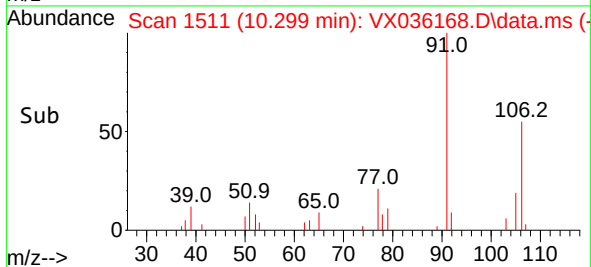
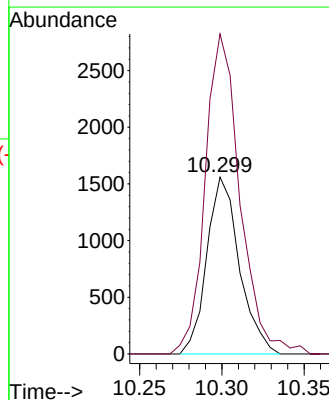
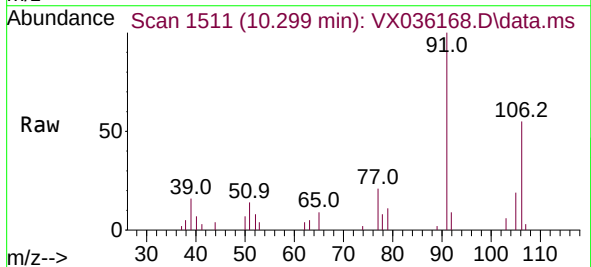
Instrument :
MSVOA_X
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002-35TH-AVE(JUNE)

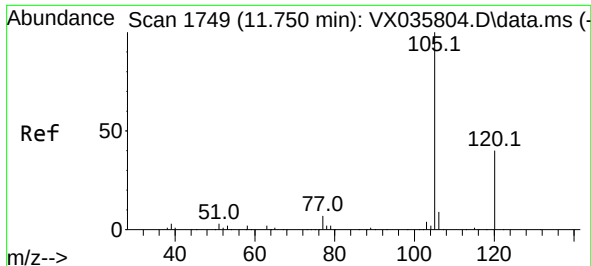
Tgt Ion: 98 Resp: 284838
Ion Ratio Lower Upper
98 100
100 67.2 52.1 78.1



#67
m/p-Xylenes
Concen: 0.439 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX036168.D
Acq: 15 Jun 2023 14:42

Tgt Ion:106 Resp: 2144
Ion Ratio Lower Upper
106 100
91 193.6 167.4 251.2

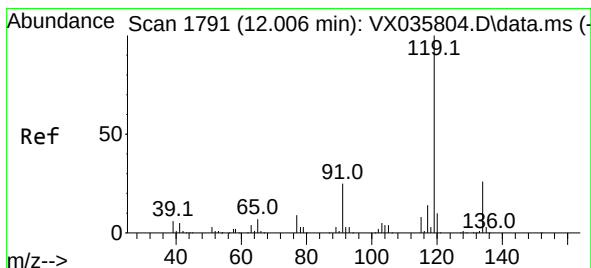
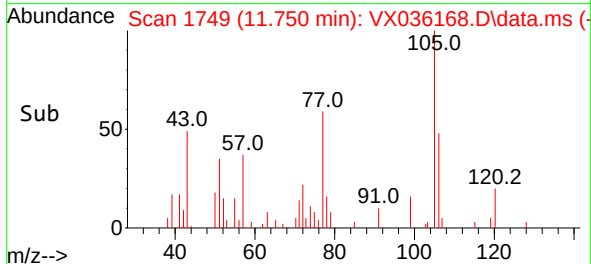
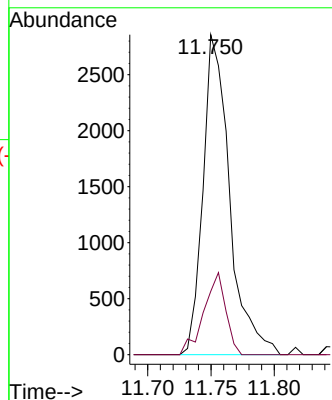
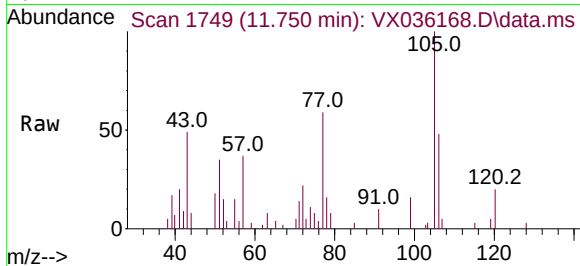




#80
1,2,4-Trimethylbenzene
Concen: 0.393 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX036168.D
Acq: 15 Jun 2023 14:42

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion:105 Resp: 4179
Ion Ratio Lower Upper
105 100
120 21.1 0.0 90.4



#82
p-Isopropyltoluene
Concen: 1.422 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX036168.D
Acq: 15 Jun 2023 14:42

Tgt Ion:119 Resp: 15273
Ion Ratio Lower Upper
119 100
134 25.8 0.0 52.2
91 29.0 0.0 51.0

