

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061523\
 Data File : VX036170.D
 Acq On : 15 Jun 2023 15:28
 Operator : JC/MD
 Sample : 03218-02DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jun 16 07:55:48 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)

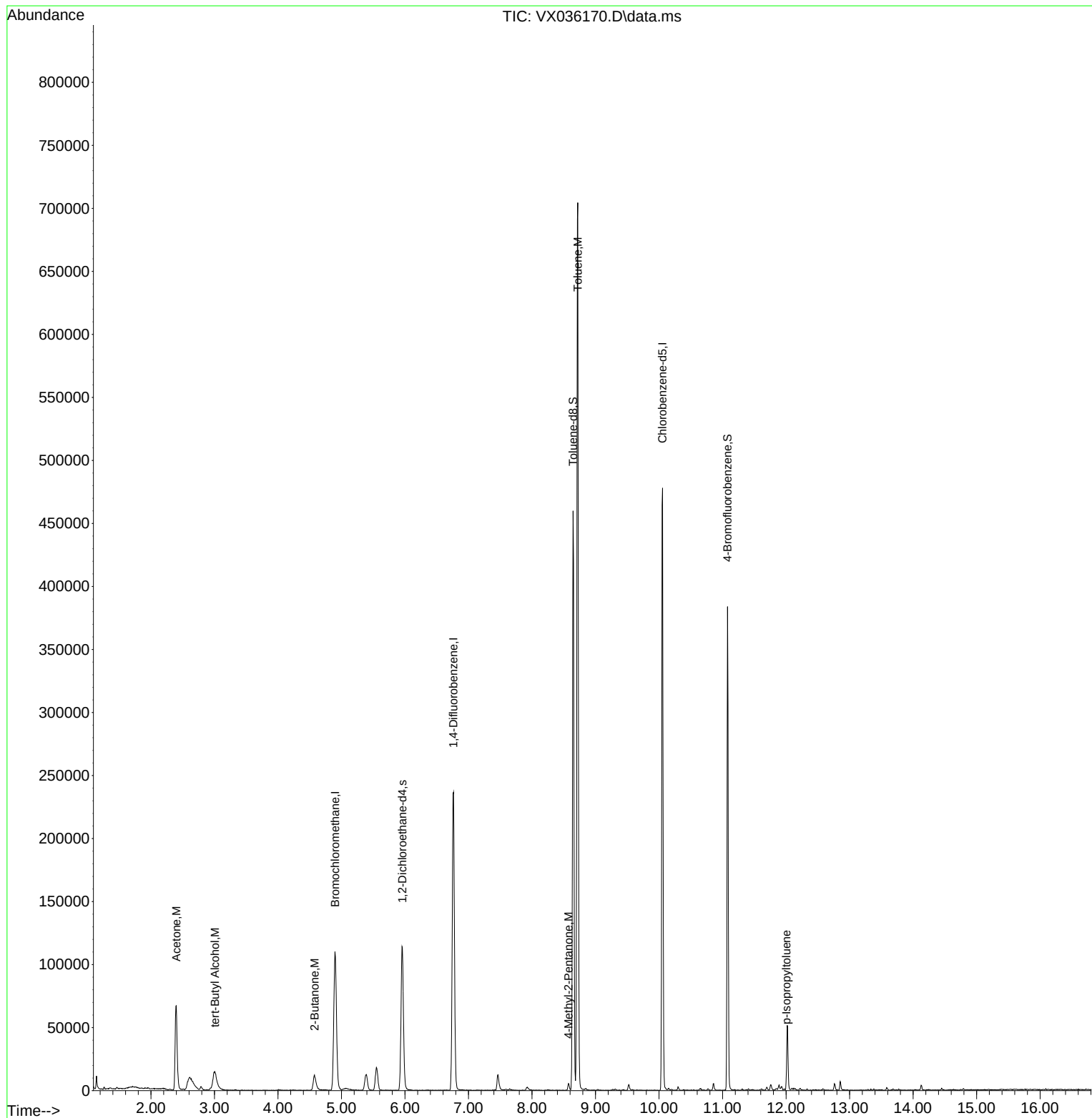
Internal Standards						
1) Bromochloromethane	4.897	128	41937	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	226444	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	200483	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	116340	33.388	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.300%#
60) 4-Bromofluorobenzene	11.079	95	101079	30.047	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.167%
63) Toluene-d8	8.647	98	259829	29.316	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.733%
Target Compounds						
					Qvalue	
15) Acetone	2.398	58	26195	58.812	ug/l	96
23) tert-Butyl Alcohol	3.008	59	32652	60.070	ug/l #	100
30) 2-Butanone	4.574	43	18957	9.184	ug/l #	94
58) 4-Methyl-2-Pentanone	8.574	43	3395	0.872	ug/l #	97
62) Toluene	8.720	91	437532	42.378	ug/l	98
82) p-Isopropyltoluene	12.006	119	3255	0.339	ug/l	93

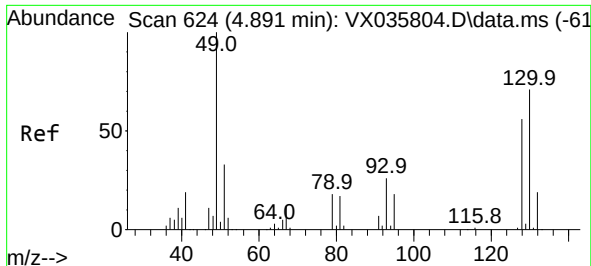
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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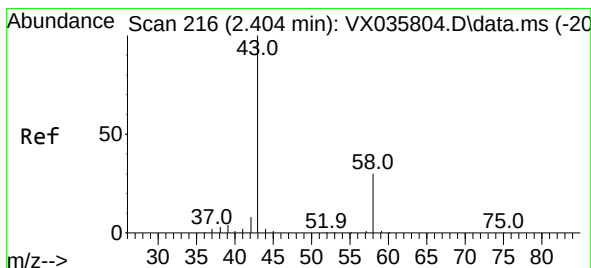
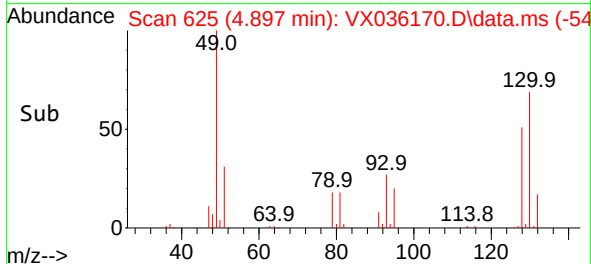
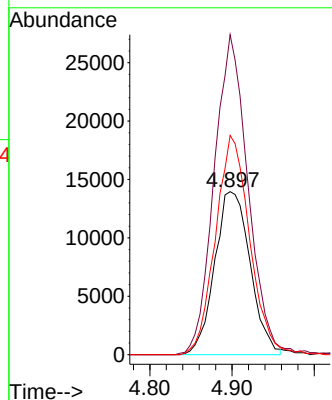
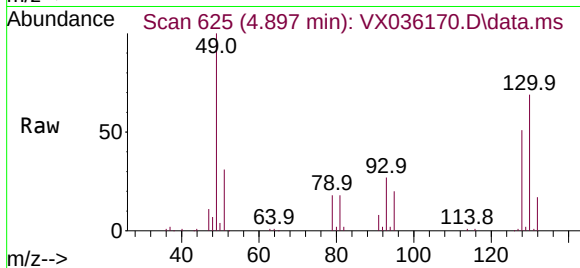




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX036170.D
Acq: 15 Jun 2023 15:28

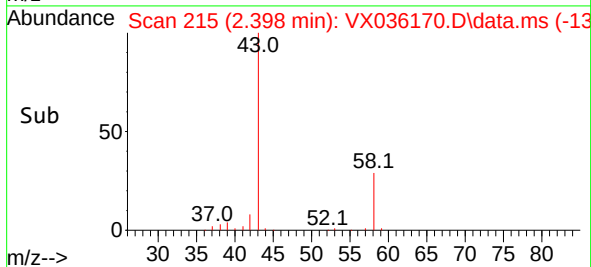
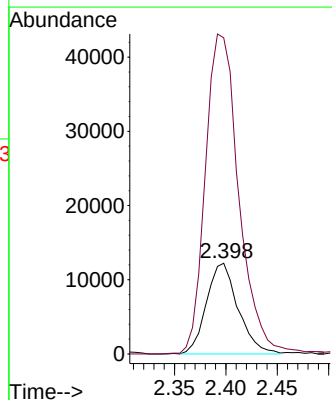
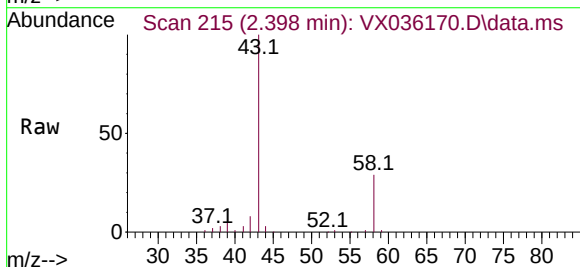
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)DL

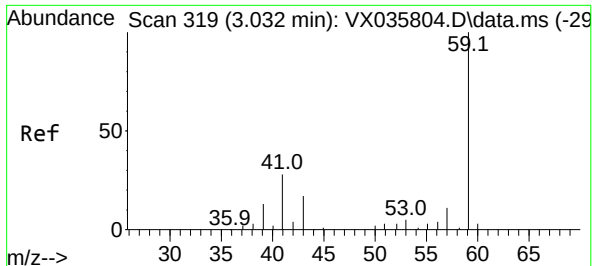
Tgt Ion:128 Resp: 41937
Ion Ratio Lower Upper
128 100
49 186.7 0.0 428.8
130 129.9 0.0 310.8



#15
Acetone
Concen: 58.812 ug/l
RT: 2.398 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX036170.D
Acq: 15 Jun 2023 15:28

Tgt Ion: 58 Resp: 26195
Ion Ratio Lower Upper
58 100
43 347.7 270.8 406.2

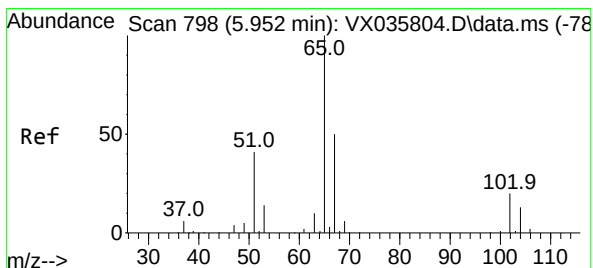
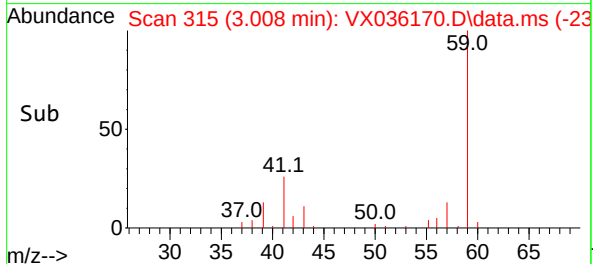
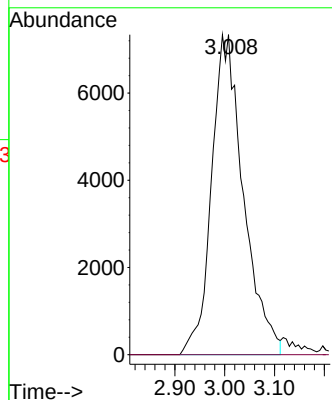
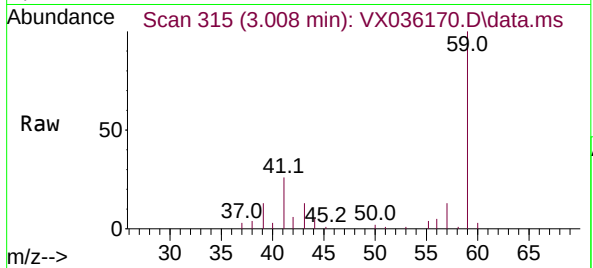




#23
tert-Butyl Alcohol
Concen: 60.070 ug/l
RT: 3.008 min Scan# 31
Delta R.T. -0.024 min
Lab File: VX036170.D
Acq: 15 Jun 2023 15:28

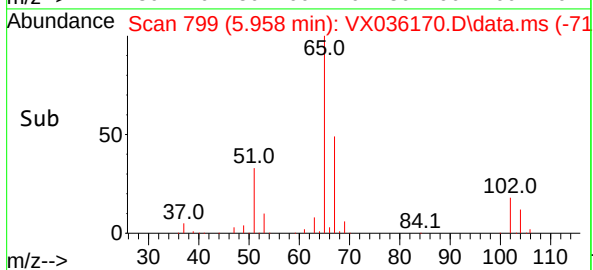
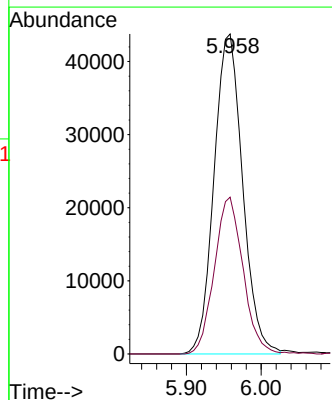
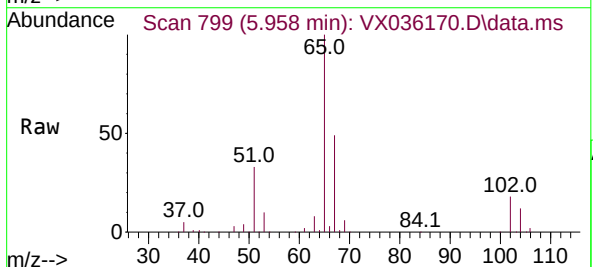
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)DL

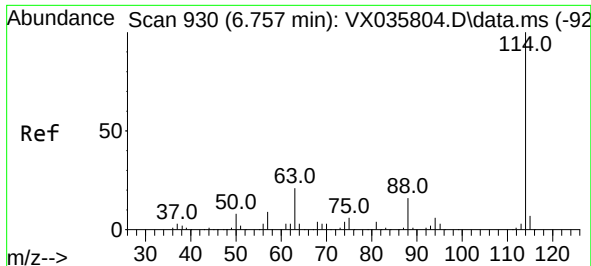
Tgt Ion: 59 Resp: 32652
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4#



#27
1,2-Dichloroethane-d4
Concen: 33.388 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036170.D
Acq: 15 Jun 2023 15:28

Tgt Ion: 65 Resp: 116340
Ion Ratio Lower Upper
65 100
67 49.2 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: VX036170.D

Acq: 15 Jun 2023 15:28

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JUNE)DL

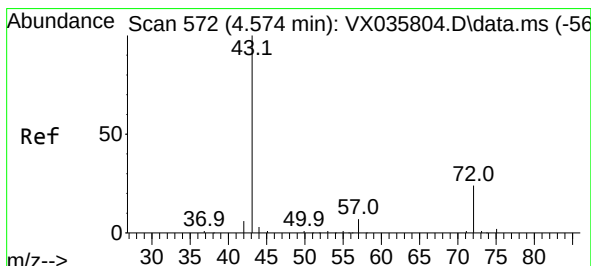
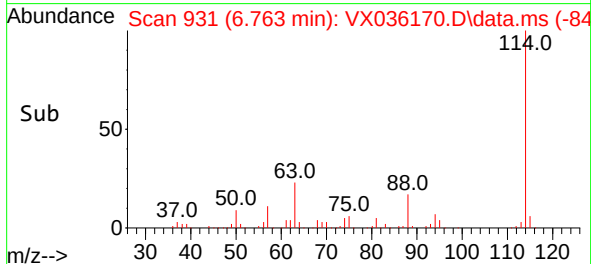
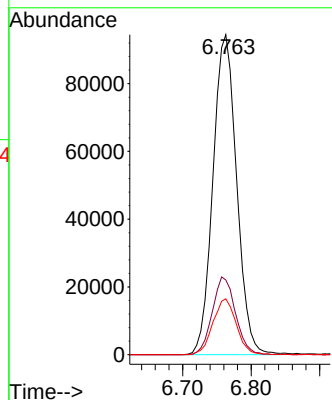
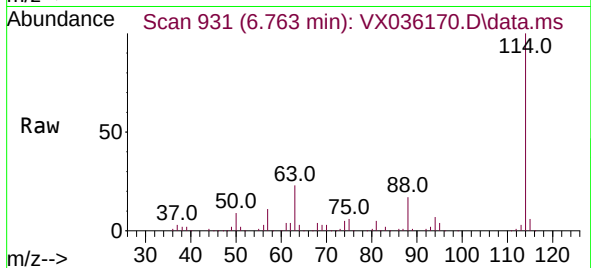
Tgt Ion:114 Resp: 226444

Ion Ratio Lower Upper

114 100

63 23.8 18.0 27.0

88 17.2 13.3 19.9



#30

2-Butanone

Concen: 9.184 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.000 min

Lab File: VX036170.D

Acq: 15 Jun 2023 15:28

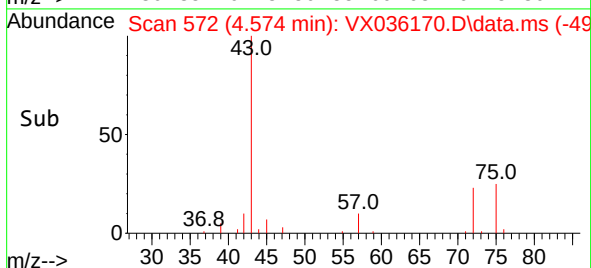
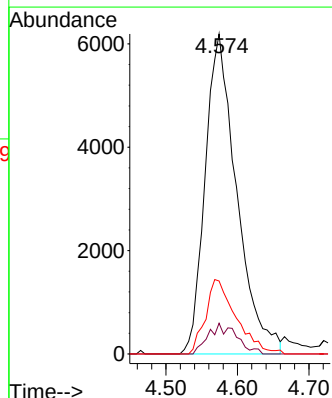
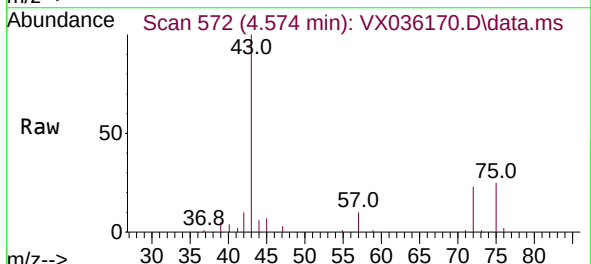
Tgt Ion: 43 Resp: 18957

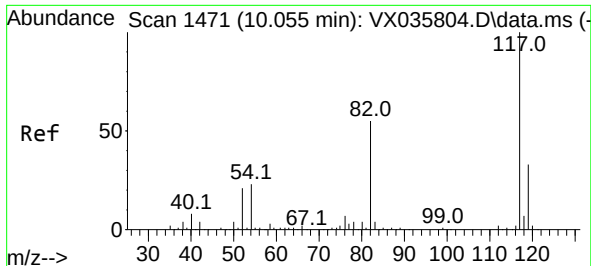
Ion Ratio Lower Upper

43 100

57 4.7 6.3 9.5#

72 22.3 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: VX036170.D

Acq: 15 Jun 2023 15:28

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JUNE)DL

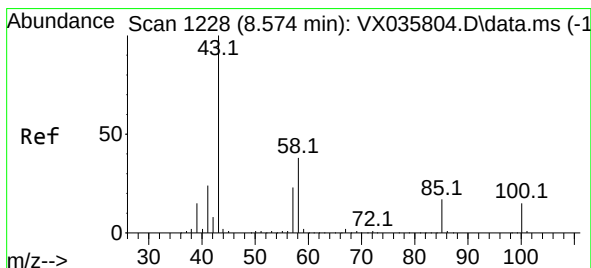
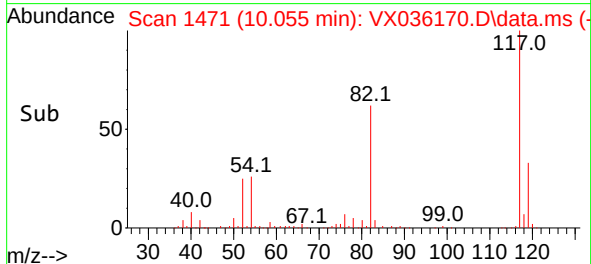
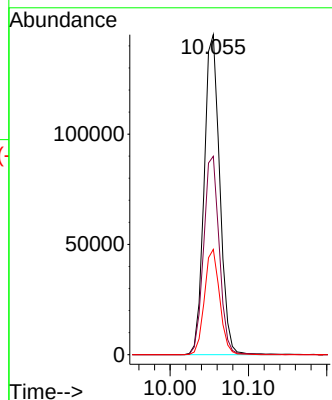
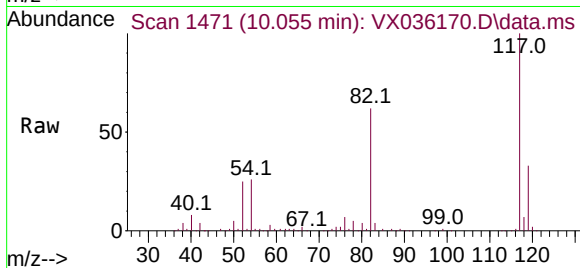
Tgt Ion:117 Resp: 200483

Ion Ratio Lower Upper

117 100

82 62.1 45.8 68.8

119 32.1 25.4 38.0



#58

4-Methyl-2-Pentanone

Concen: 0.872 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX036170.D

Acq: 15 Jun 2023 15:28

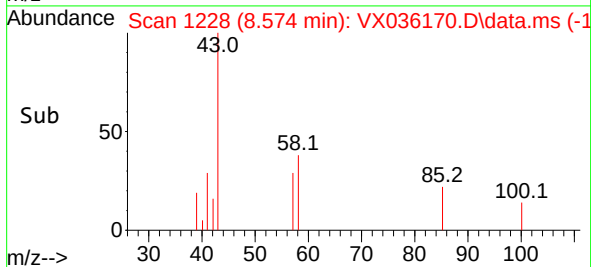
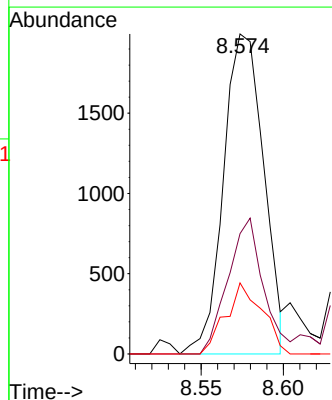
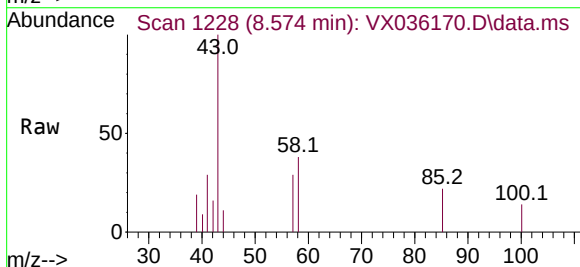
Tgt Ion: 43 Resp: 3395

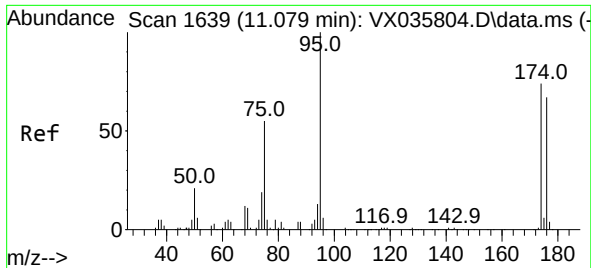
Ion Ratio Lower Upper

43 100

58 37.4 29.9 44.9

85 20.2 13.2 19.8#

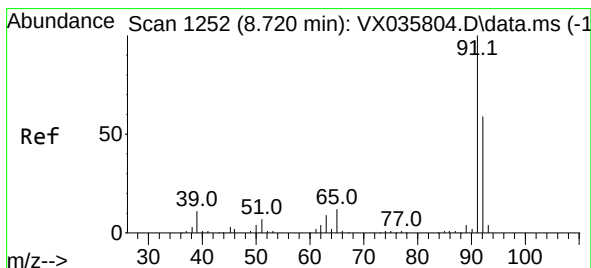
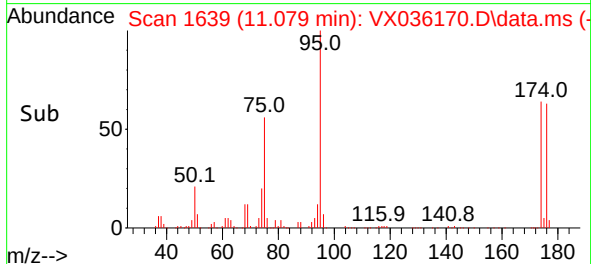
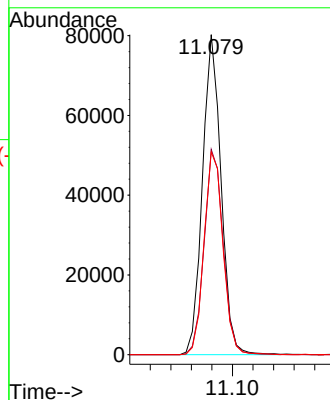
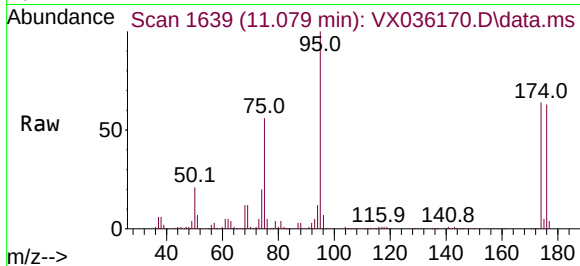




#60
4-Bromofluorobenzene
Concen: 30.047 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036170.D
Acq: 15 Jun 2023 15:28

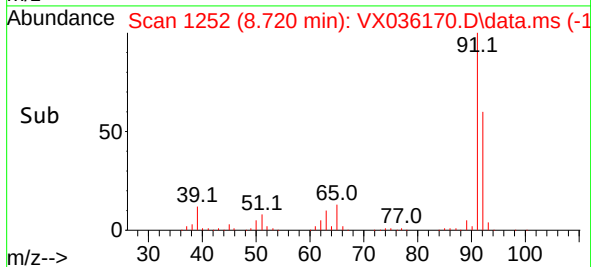
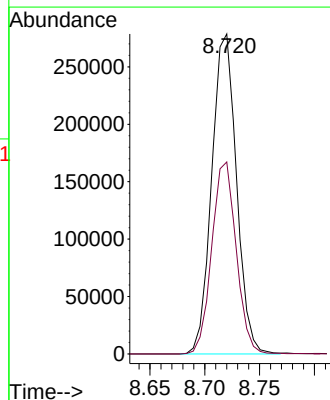
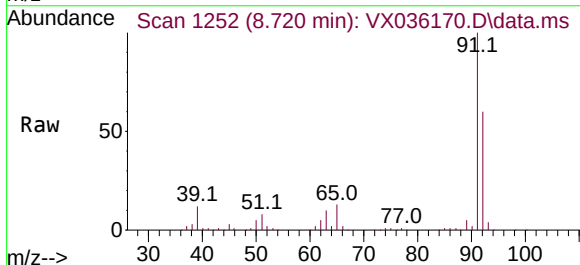
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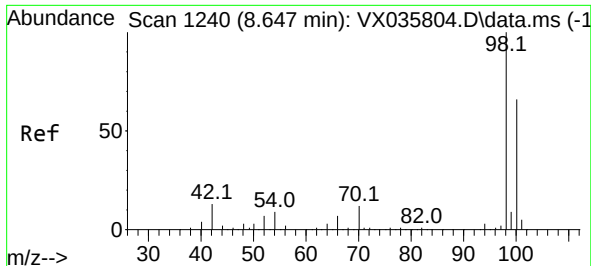
Tgt Ion: 95 Resp: 101079
Ion Ratio Lower Upper
95 100
174 65.4 0.2 0.4#
176 64.5 0.2 0.2#



#62
Toluene
Concen: 42.378 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX036170.D
Acq: 15 Jun 2023 15:28

Tgt Ion: 91 Resp: 437532
Ion Ratio Lower Upper
91 100
92 59.3 46.5 69.7

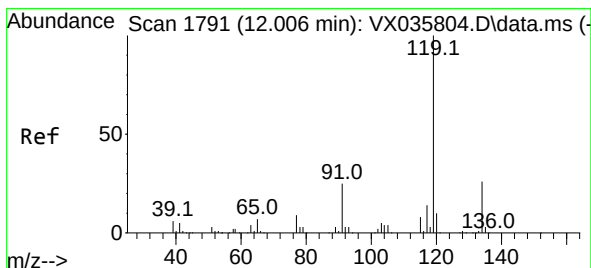
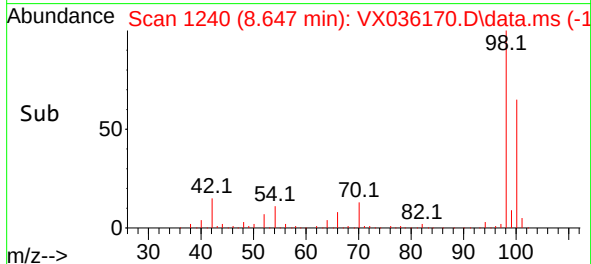
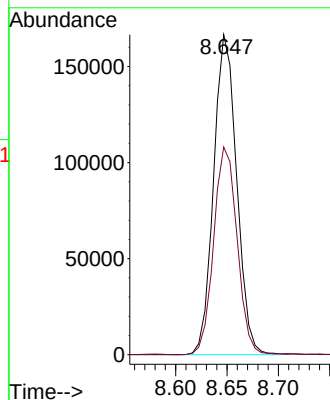
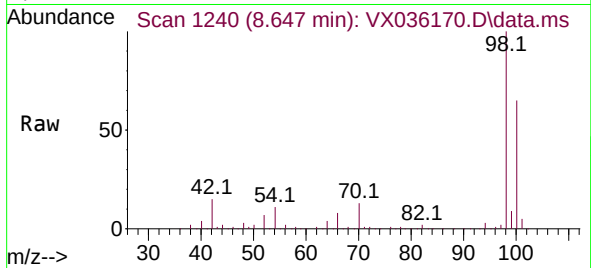




#63
Toluene-d8
Concen: 29.316 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036170.D
Acq: 15 Jun 2023 15:28

Instrument :
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Tgt Ion: 98 Resp: 259829
Ion Ratio Lower Upper
98 100
100 66.0 52.1 78.1



#82
p-Isopropyltoluene
Concen: 0.339 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX036170.D
Acq: 15 Jun 2023 15:28

Tgt Ion: 119 Resp: 3255
Ion Ratio Lower Upper
119 100
134 24.8 0.0 52.2
91 31.7 0.0 51.0

