

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)

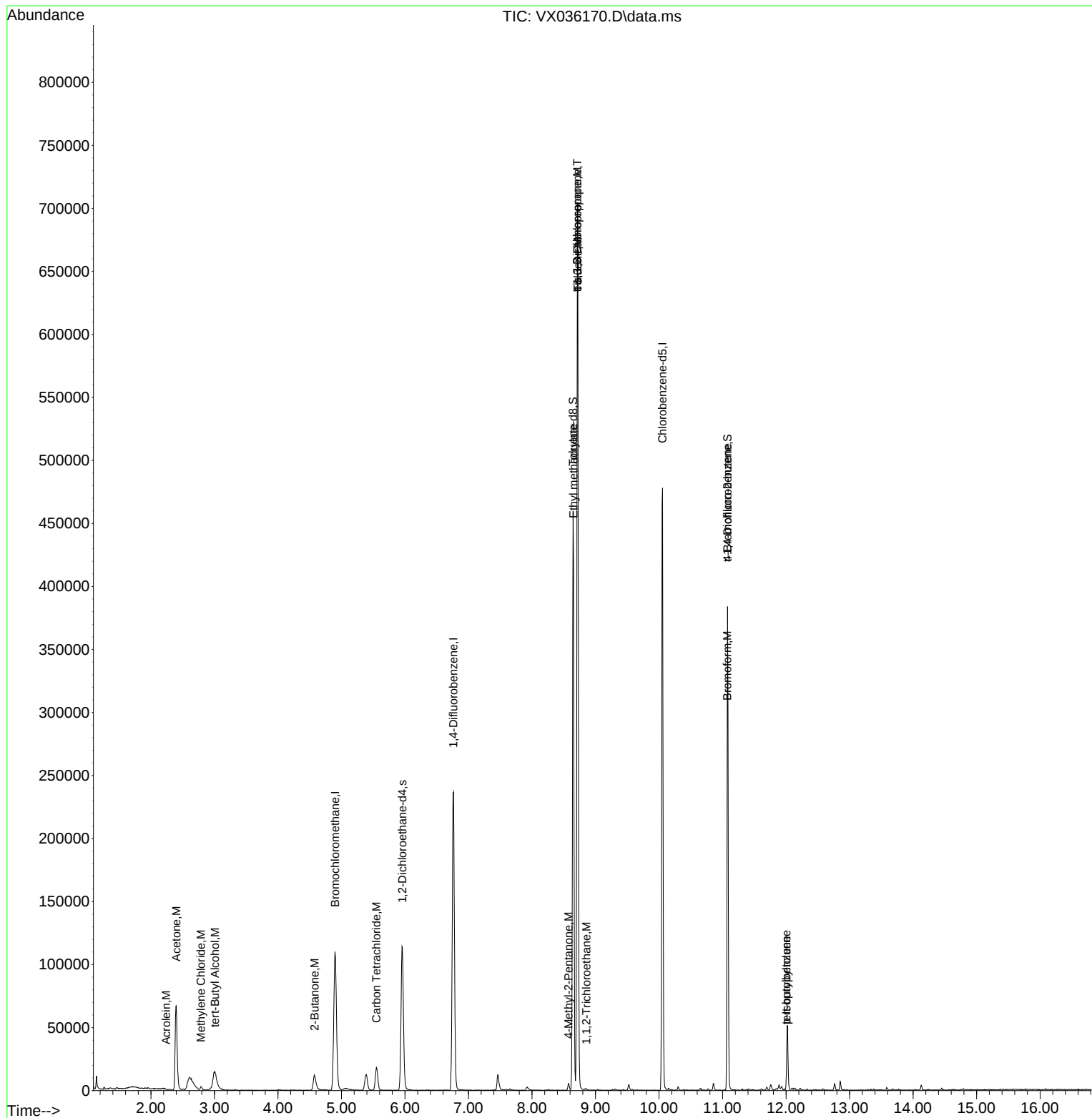
Internal Standards						
1) Bromochloromethane	4.897	128	41937	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	226444	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	200483	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	116340	33.388	ug/l	0.00
Spiked Amount	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	
13) Acrolein	2.239	56	238	0.507	ug/l	83
15) Acetone	2.398	58	26195	58.812	ug/l	96
18) Methylene Chloride	2.788	84	1097	0.401	ug/l #	89
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
33) Carbon Tetrachloride	5.550	117	1884	0.648	ug/l #	14
48) t-1,3-Dichloropropene	8.714	75	3356	0.927	ug/l #	1
49) cis-1,3-Dichloropropene	8.714	75	3356	0.840	ug/l #	1
50) 1,1,2-Trichloroethane	8.854	97	704	0.272	ug/l #	15
51) Ethyl methacrylate	8.653	69	983	0.246	ug/l #	76
56) Bromoform	11.073	173	309	0.201	ug/l #	1
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
77) t-1,4-Dichloro-2-butene	11.079	75	57445	55.320	ug/l #	4
79) tert-butylbenzene	12.006	119	3255	0.356	ug/l	72
82) p-Isopropyltoluene	12.006	119	3255	0.339	ug/l	93

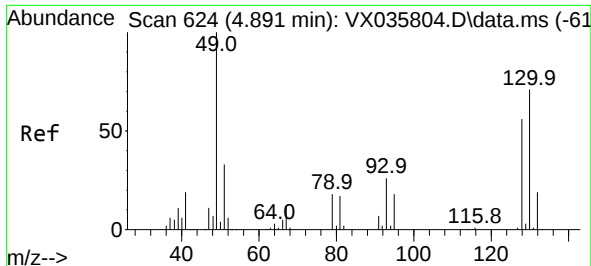
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

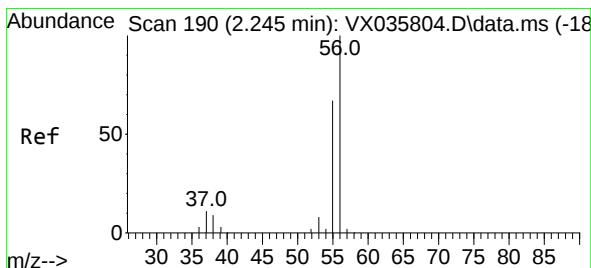
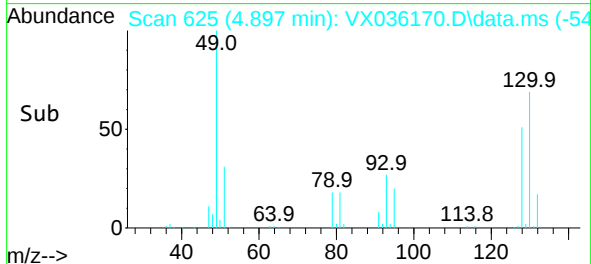
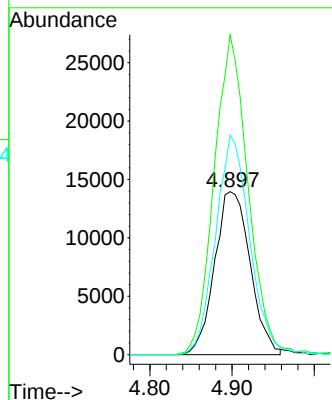
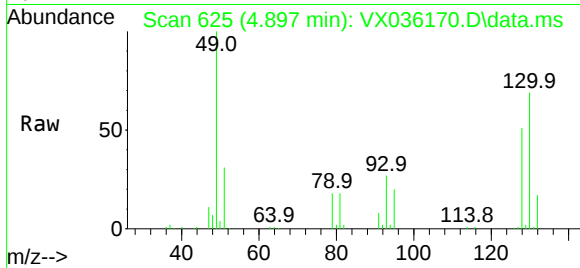




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX036170.D
Acq: 15 Jun 2023 15:28

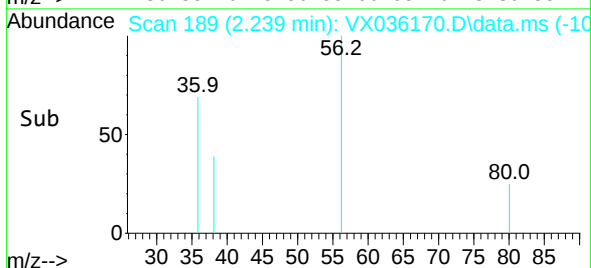
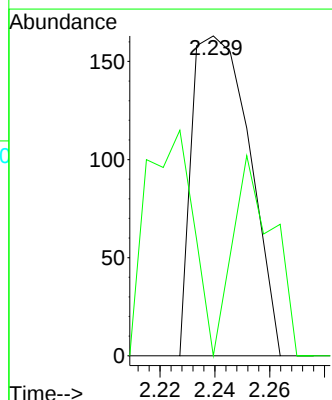
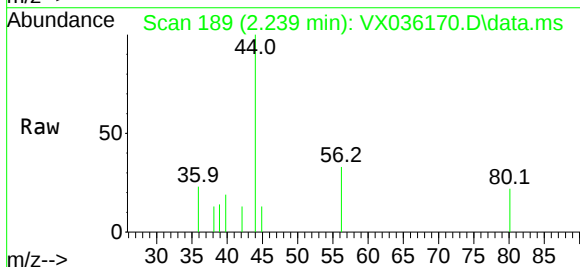
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)DL

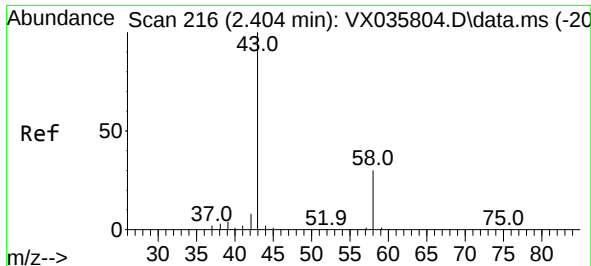
Tgt Ion:128 Resp: 41937
Ion Ratio Lower Upper
128 100
49 186.7 0.0 428.8
130 129.9 0.0 310.8



#13
Acrolein
Concen: 0.507 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX036170.D
Acq: 15 Jun 2023 15:28

Tgt Ion: 56 Resp: 238
Ion Ratio Lower Upper
56 100
55 56.7 56.6 85.0





#15

Acetone

Concen: 58.812 ug/l

RT: 2.398 min Scan# 216

Delta R.T. -0.006 min

Lab File: VX036170.D

Acq: 15 Jun 2023 15:28

Instrument :

MSVOA_X

ClientSampleId :

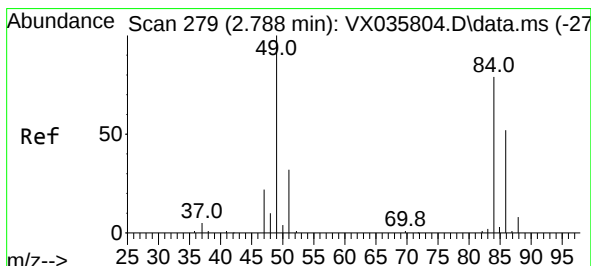
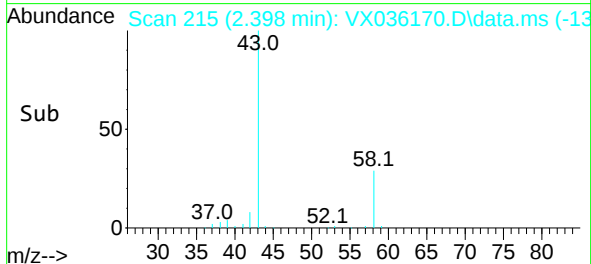
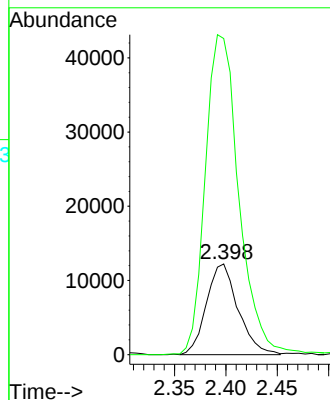
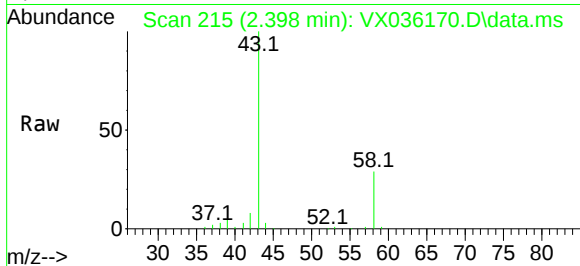
002-35TH-AVE(JUNE)DL

Tgt Ion: 58 Resp: 26195

Ion Ratio Lower Upper

58 100

43 347.7 270.8 406.2



#18

Methylene Chloride

Concen: 0.401 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX036170.D

Acq: 15 Jun 2023 15:28

Tgt Ion: 84 Resp: 1097

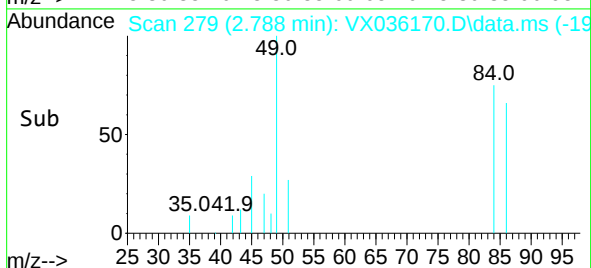
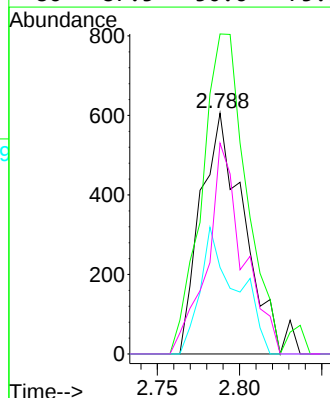
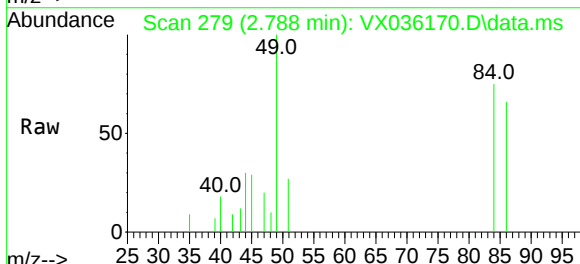
Ion Ratio Lower Upper

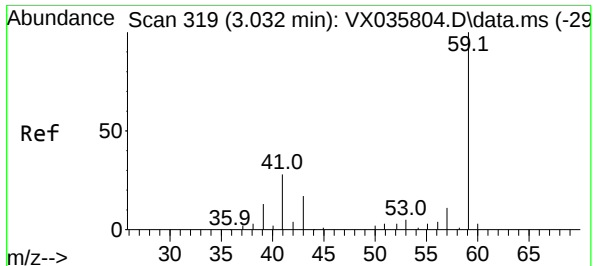
84 100

49 132.8 103.9 155.9

51 36.0 30.6 45.8

86 87.5 50.6 75.8#

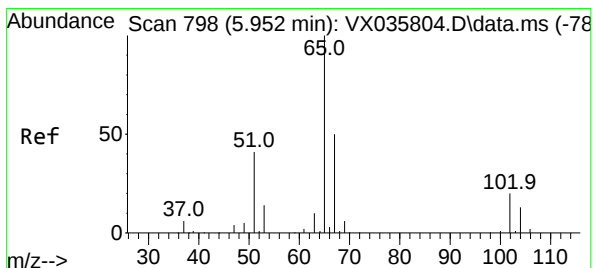
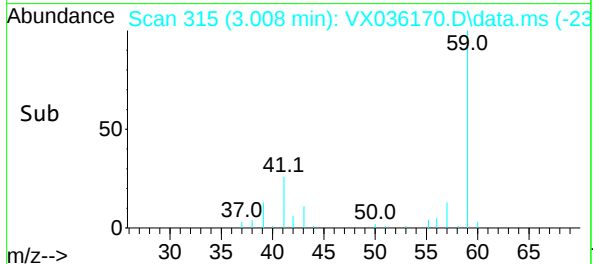
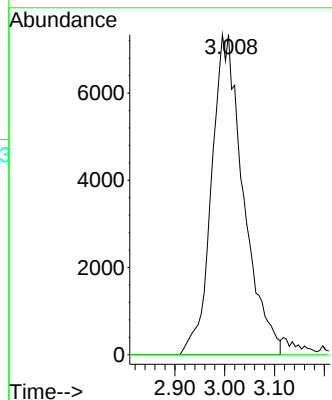
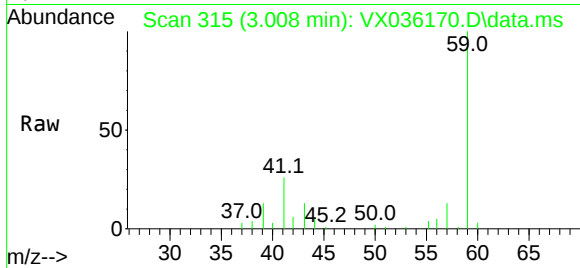




#23
tert-Butyl Alcohol
Concen: 60.070 ug/l
RT: 3.008 min Scan# 31
Delta R.T. -0.024 min
Lab File: VX036170.D
Acq: 15 Jun 2023 15:28

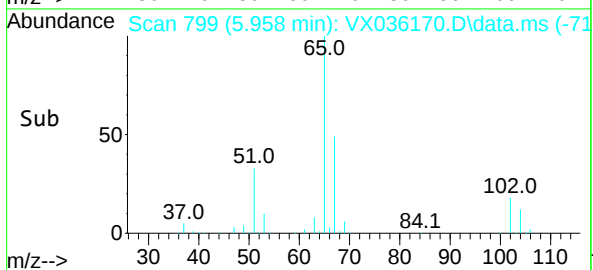
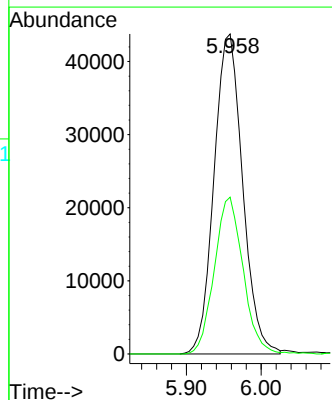
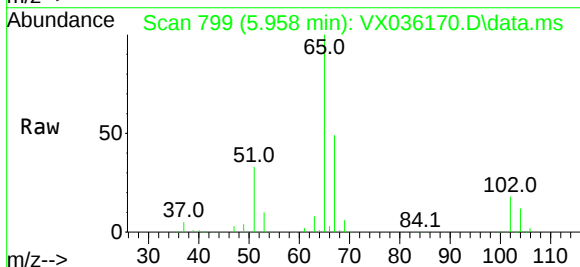
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)DL

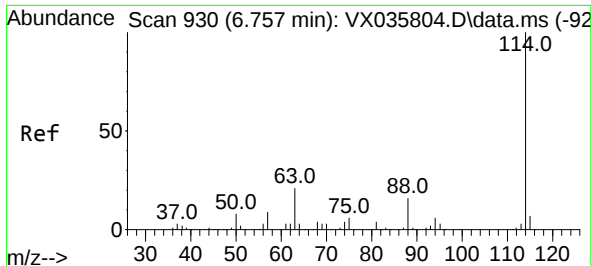
Tgt Ion: 59 Resp: 32652
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4#



#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

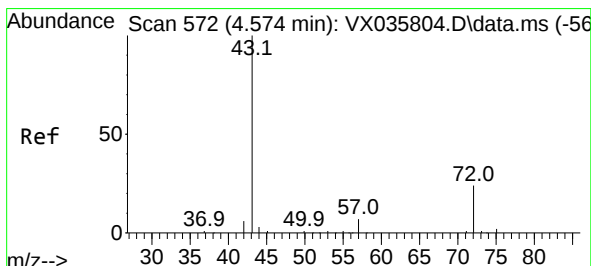
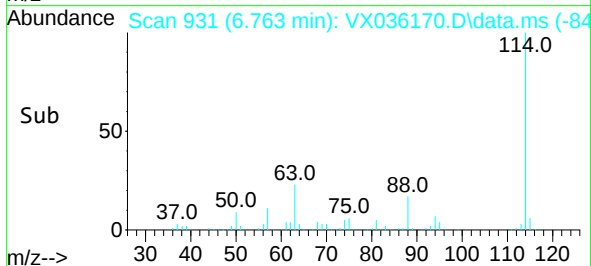
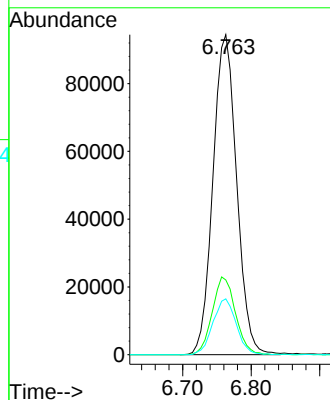
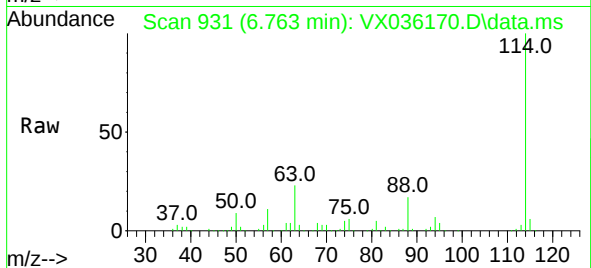
Tgt Ion:114 Resp: 226444

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

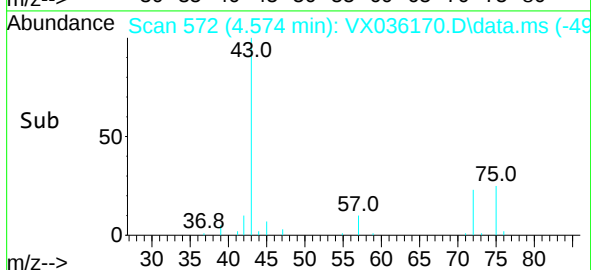
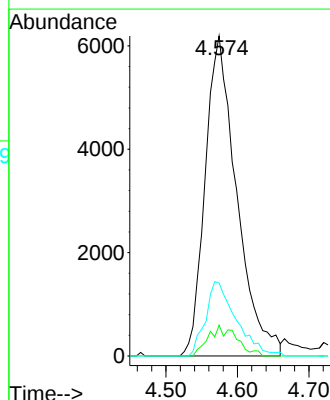
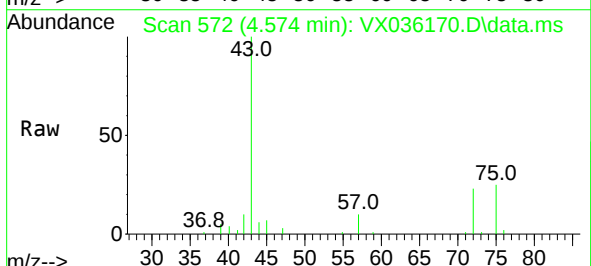
Tgt Ion: 43 Resp: 18957

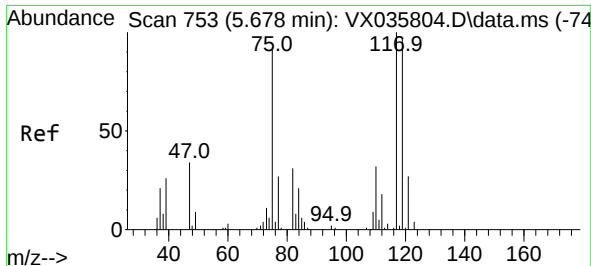
Ion Ratio Lower Upper

43 100

57 4.7 6.3 9.5#

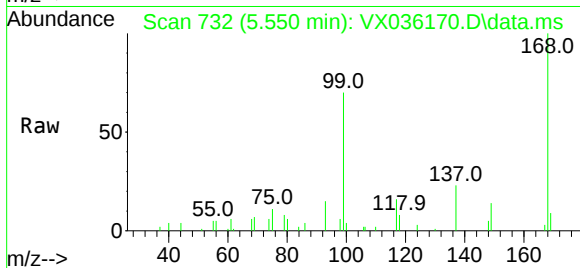
72 22.3 19.6 29.4



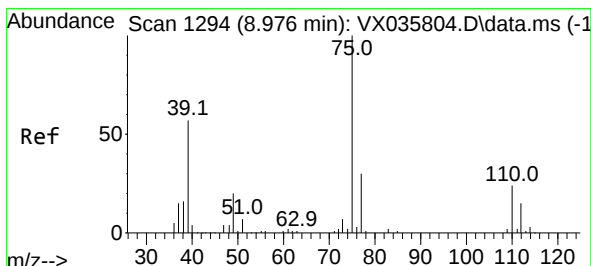
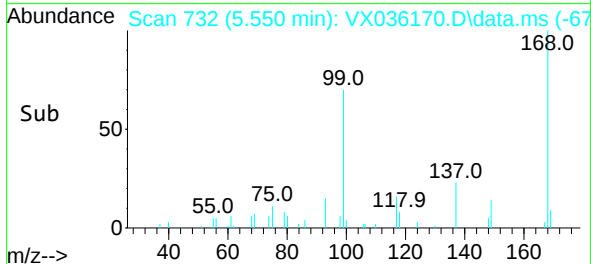
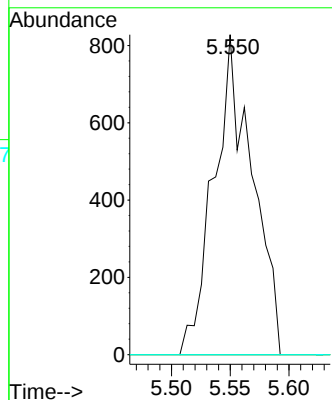


#33
Carbon Tetrachloride
Concen: 0.648 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036170.D
Acq: 15 Jun 2023 15:28

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

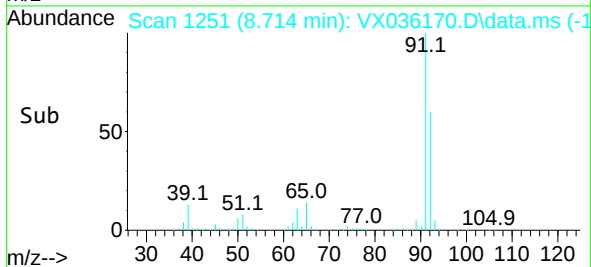
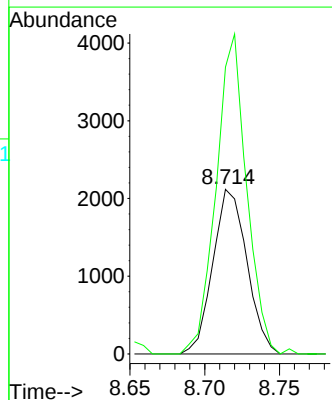
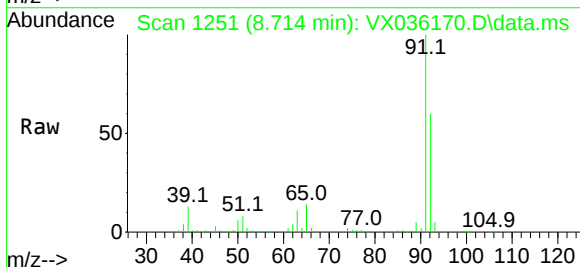


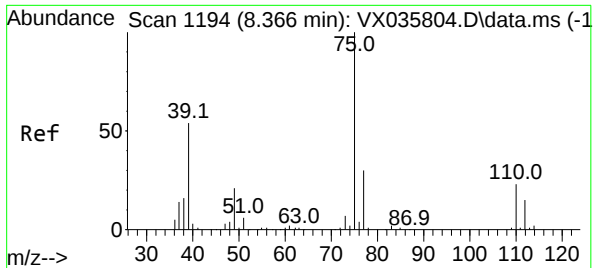
Tgt Ion:117 Resp: 1884
Ion Ratio Lower Upper
117 100
119 0.0 73.3 109.9#
121 0.0 24.0 36.0#



#48
t-1,3-Dichloropropene
Concen: 0.927 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.262 min
Lab File: VX036170.D
Acq: 15 Jun 2023 15:28

Tgt Ion: 75 Resp: 3356
Ion Ratio Lower Upper
75 100
77 174.2 25.5 38.3#





#49

cis-1,3-Dichloropropene

Concen: 0.840 ug/l

RT: 8.714 min Scan# 1194

Delta R.T. 0.348 min

Lab File: VX036170.D

Acq: 15 Jun 2023 15:28

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JUNE)DL

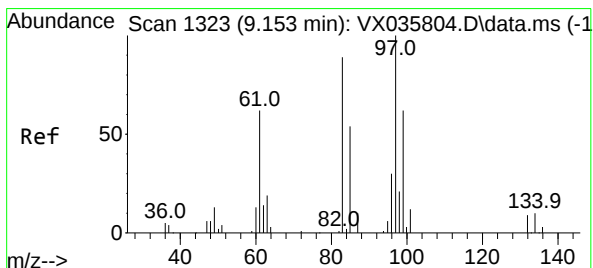
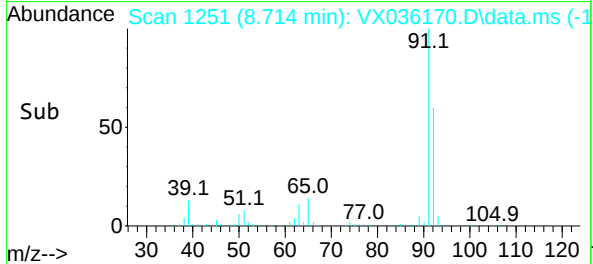
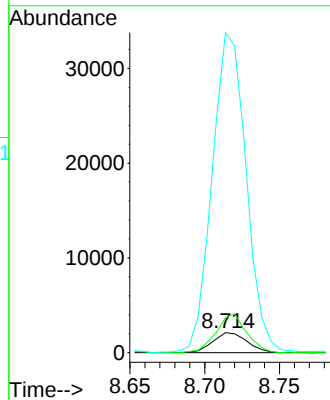
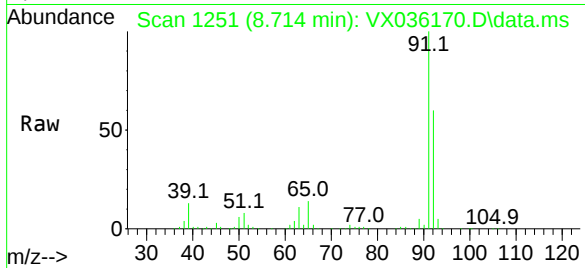
Tgt Ion: 75 Resp: 3356

Ion Ratio Lower Upper

75 100

77 174.2 24.6 37.0#

39 1583.8 44.2 66.2#



#50

1,1,2-Trichloroethane

Concen: 0.272 ug/l

RT: 8.854 min Scan# 1274

Delta R.T. -0.299 min

Lab File: VX036170.D

Acq: 15 Jun 2023 15:28

Tgt Ion: 97 Resp: 704

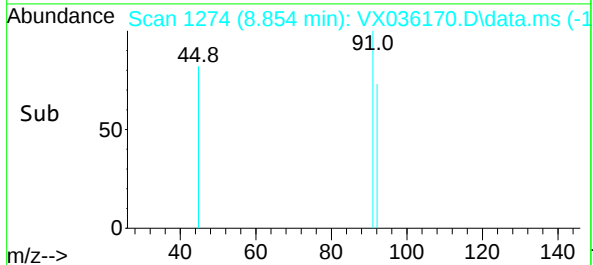
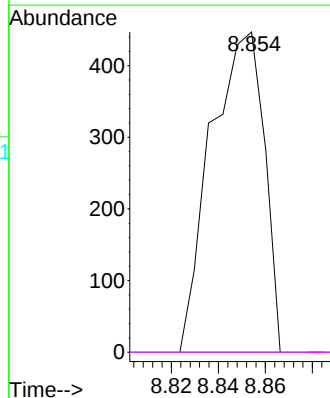
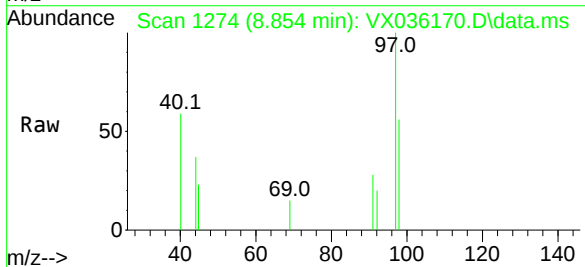
Ion Ratio Lower Upper

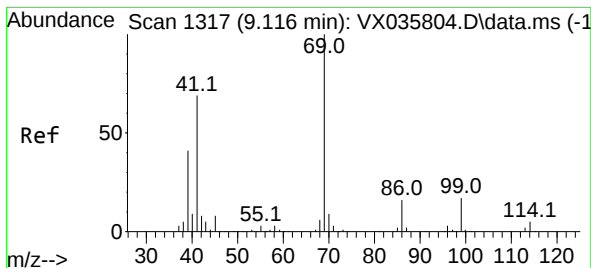
97 100

83 0.0 68.9 103.3#

85 0.0 44.0 66.0#

99 0.0 49.0 73.4#





#51

Ethyl methacrylate

Concen: 0.246 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.463 min

Lab File: VX036170.D

Acq: 15 Jun 2023 15:28

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JUNE)DL

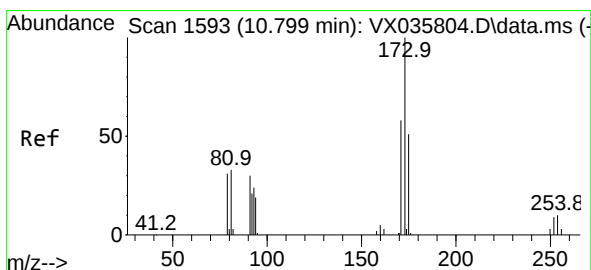
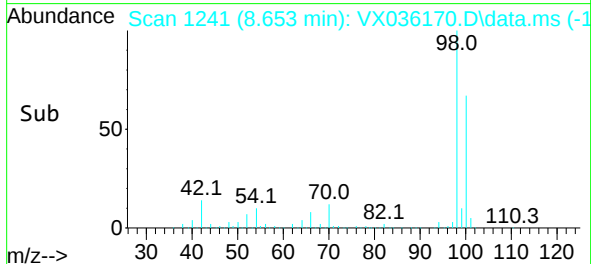
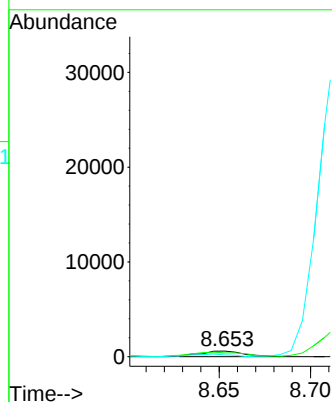
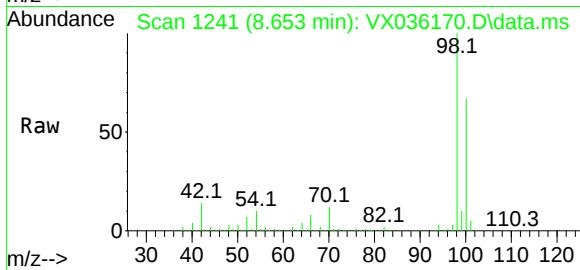
Tgt Ion: 69 Resp: 983

Ion Ratio Lower Upper

69 100

41 60.6 36.2 108.6

39 16.7 21.2 63.6#



#56

Bromoform

Concen: 0.201 ug/l

RT: 11.073 min Scan# 1638

Delta R.T. 0.274 min

Lab File: VX036170.D

Acq: 15 Jun 2023 15:28

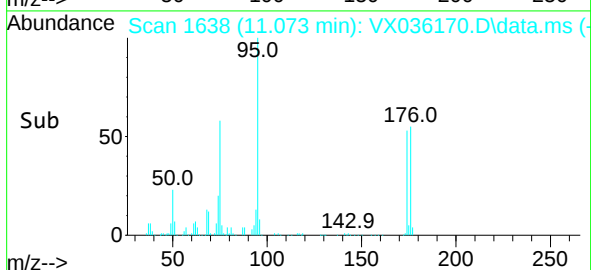
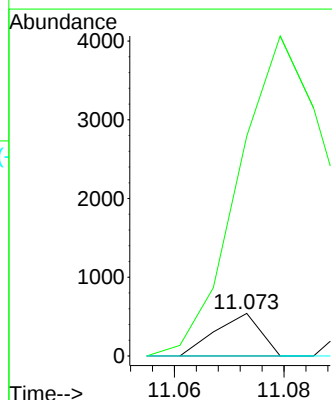
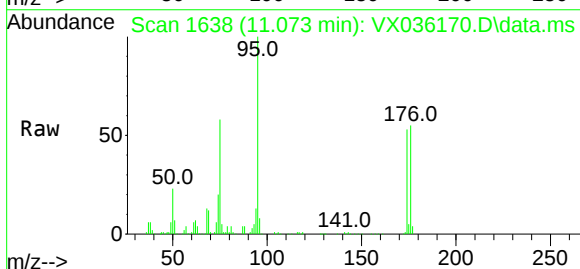
Tgt Ion:173 Resp: 309

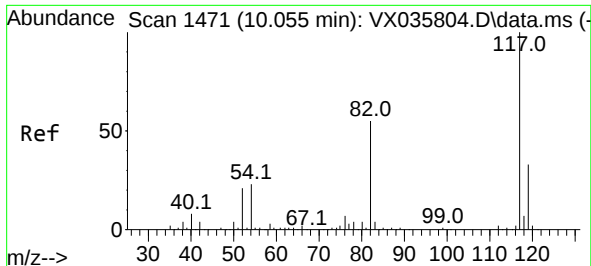
Ion Ratio Lower Upper

173 100

175 1587.4 37.0 55.4#

254 0.0 6.7 10.1#

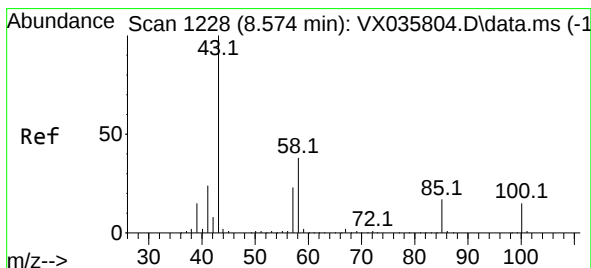
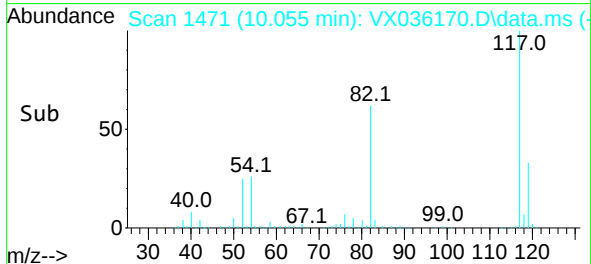
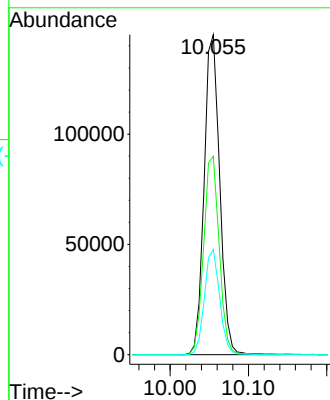
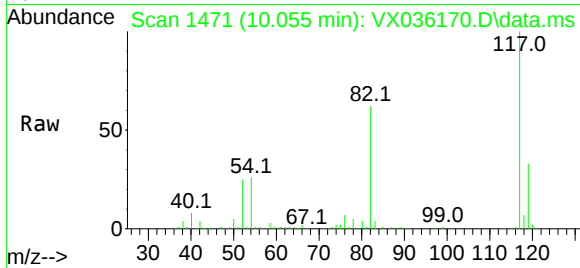




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036170.D
Acq: 15 Jun 2023 15:28

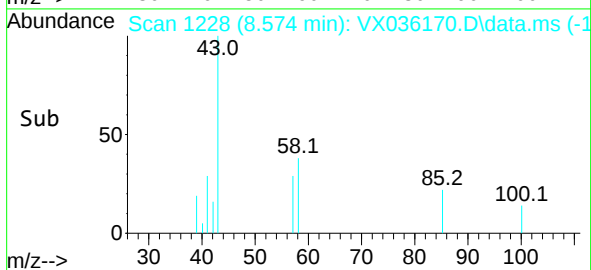
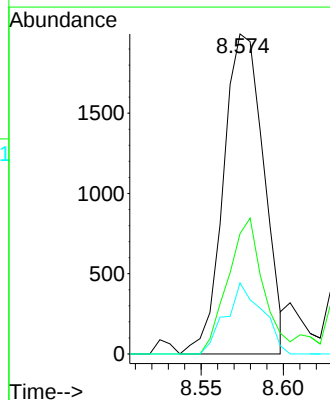
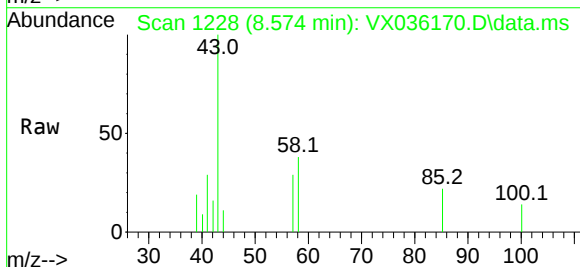
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)DL

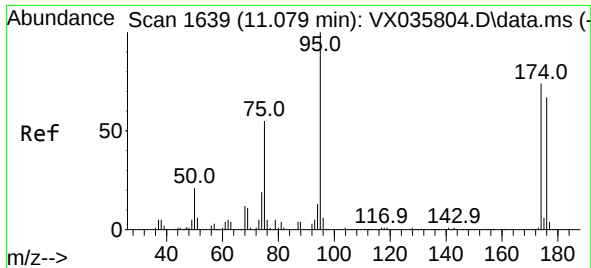
Tgt Ion:117 Resp: 200483
Ion Ratio Lower Upper
117 100
82 62.1 45.8 68.8
119 32.1 25.4 38.0



#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

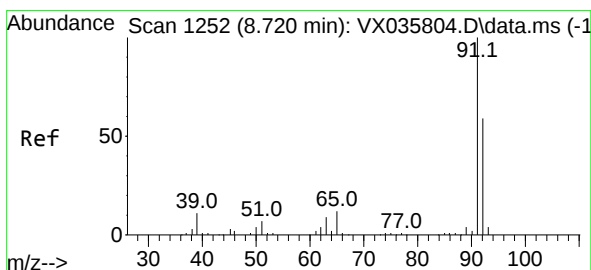
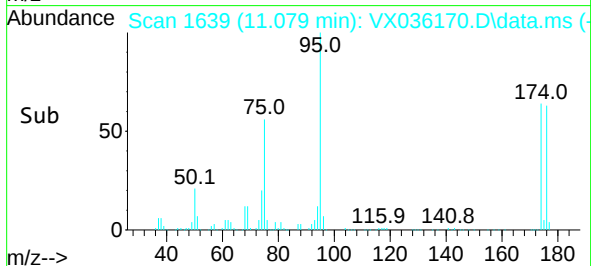
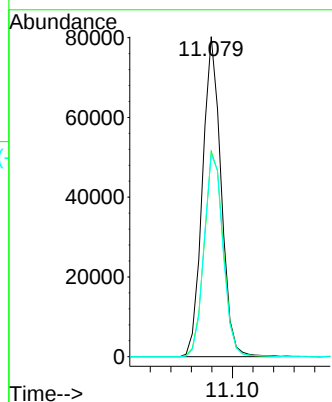
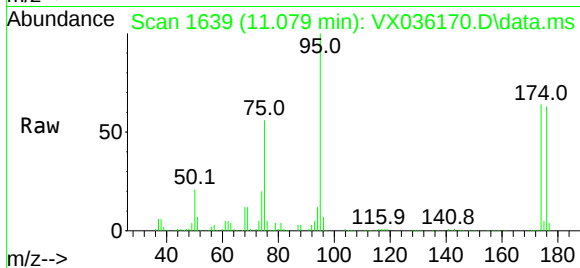




#60
4-Bromofluorobenzene
Concen: 30.047 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036170.D
Acq: 15 Jun 2023 15:28

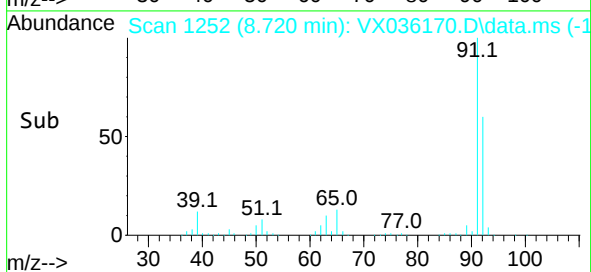
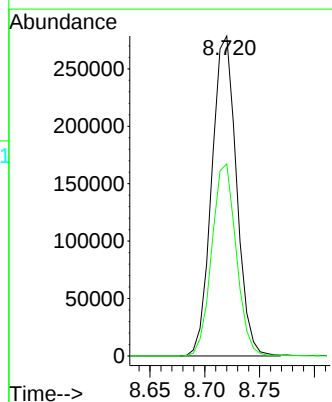
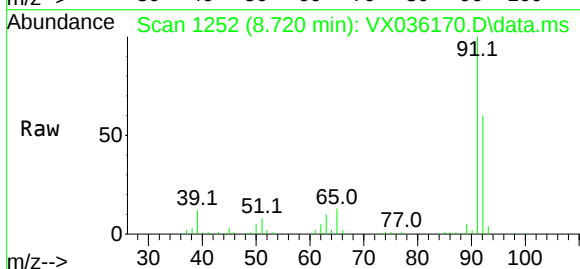
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)DL

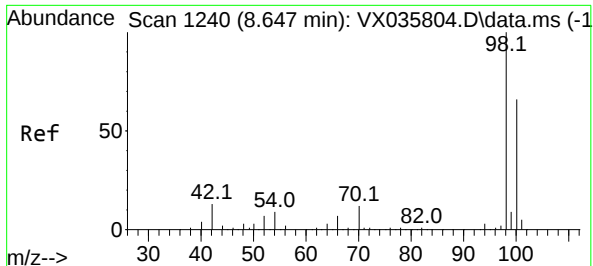
Tgt Ion: 95 Resp: 101079
Ion Ratio Lower Upper
95 100
174 65.4 0.2 0.4#
176 64.5 0.2 0.2#



#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

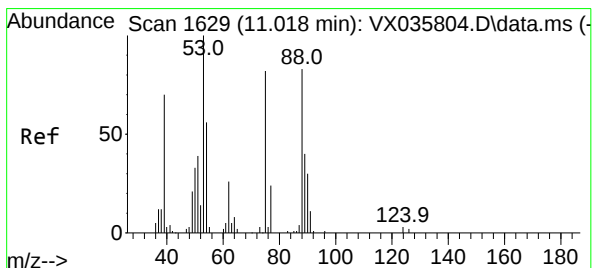
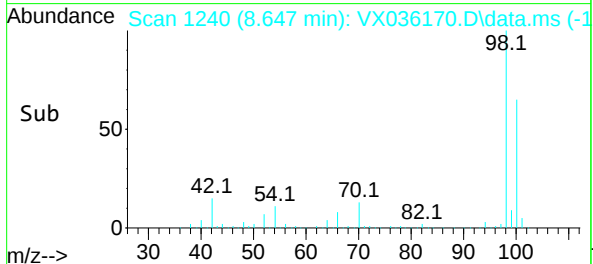
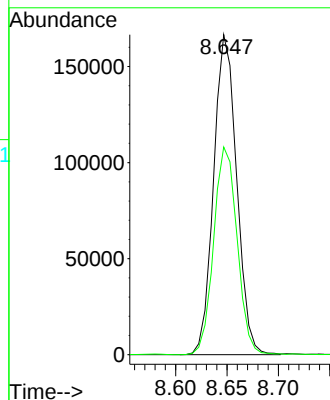
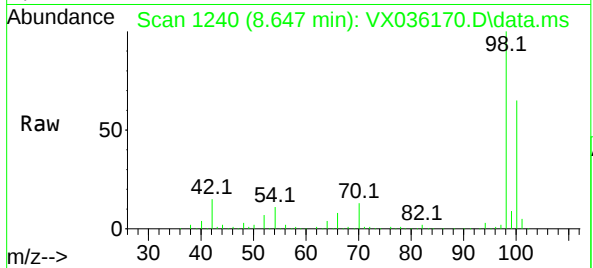




#63
Toluene-d8
Concen: 29.316 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036170.D
Acq: 15 Jun 2023 15:28

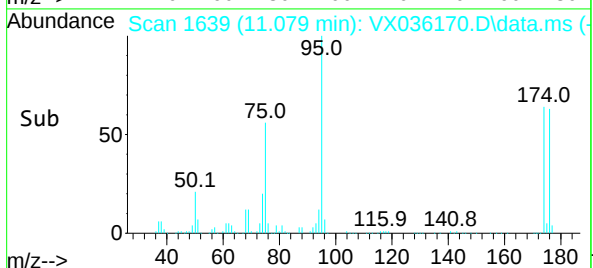
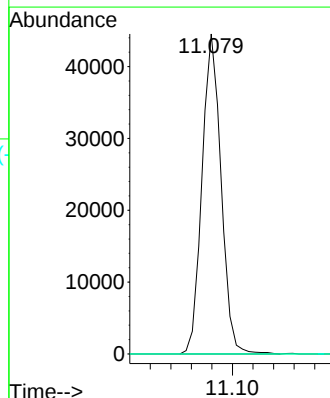
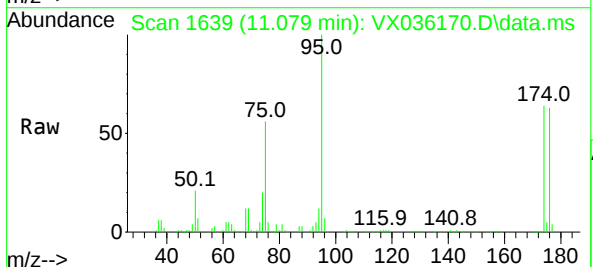
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)DL

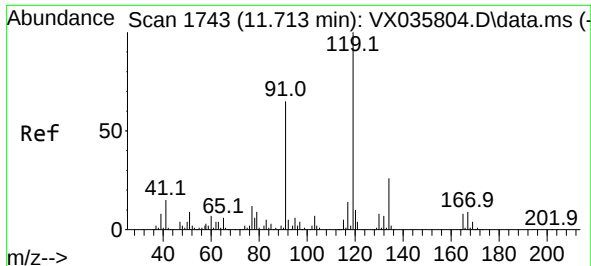
Tgt Ion: 98 Resp: 259829
Ion Ratio Lower Upper
98 100
100 66.0 52.1 78.1



#77
t-1,4-Dichloro-2-butene
Concen: 55.320 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036170.D
Acq: 15 Jun 2023 15:28

Tgt Ion: 75 Resp: 57445
Ion Ratio Lower Upper
75 100
53 0.0 58.2 174.6#
89 0.0 20.6 61.8#





#79

tert-butylbenzene

Concen: 0.356 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.293 min

Lab File: VX036170.D

Acq: 15 Jun 2023 15:28

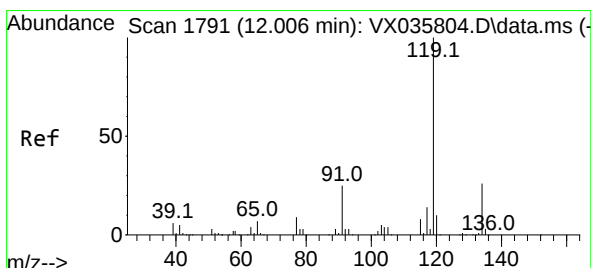
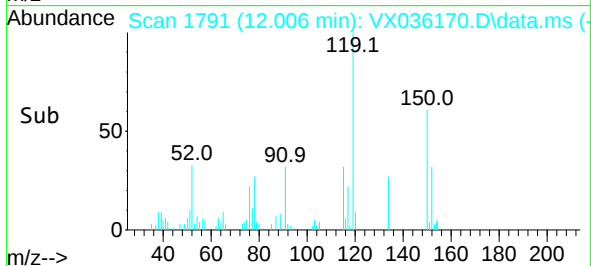
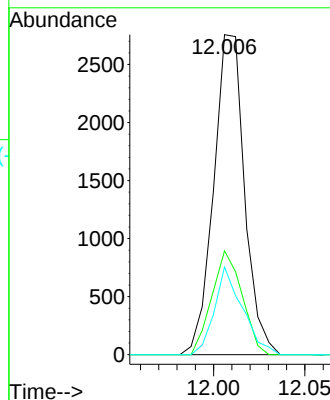
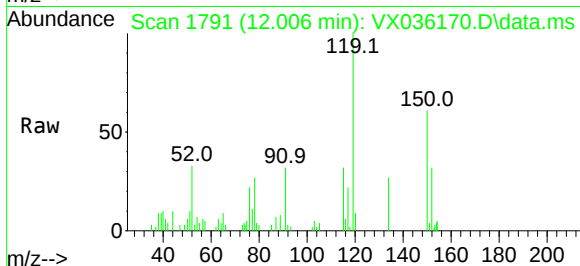
Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JUNE)DL

Tgt Ion:	119	Resp:	3255
Ion	Ratio	Lower	Upper
119	100		
91	31.7	0.0	122.4
134	24.8	0.0	49.2



#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

