

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051524\
 Data File : VX041540.D
 Acq On : 15 May 2024 15:31
 Operator : JC/MD
 Sample : VX0515WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBL02

Quant Time: May 16 05:26:29 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)

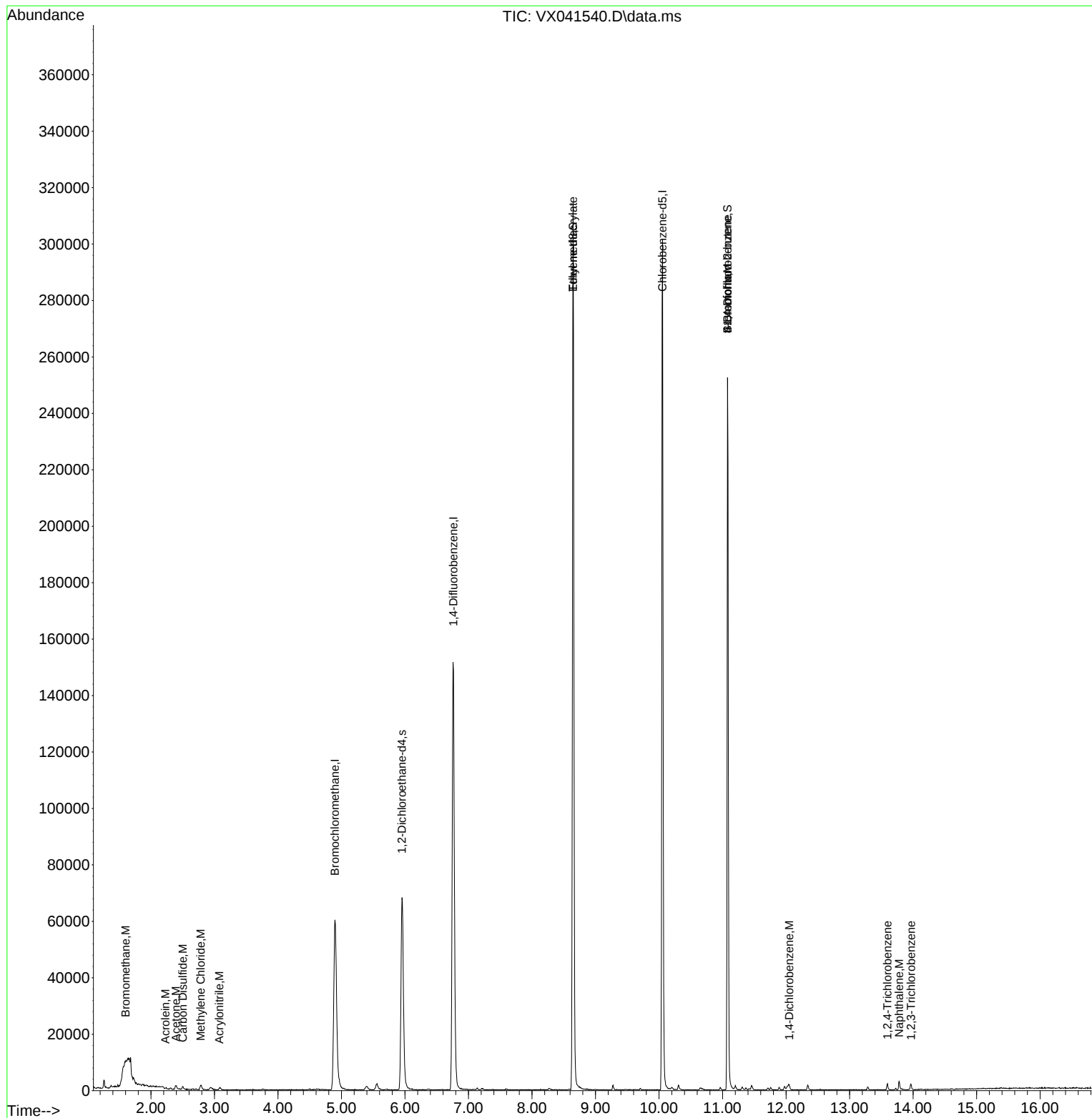
Internal Standards						
1) Bromochloromethane	4.897	128	29452	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	163010	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	146843	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	69059	29.775	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.267%
60) 4-Bromofluorobenzene	11.079	95	62489	27.260	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.867%
63) Toluene-d8	8.647	98	188575	29.958	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.867%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	653	0.578	ug/l	84
13) Acrolein	2.227	56	100	0.362	ug/l	100
14) Acrylonitrile	3.074	53	209	0.209	ug/l #	59
15) Acetone	2.392	58	453	1.695	ug/l #	46
16) Carbon Disulfide	2.501	76	1288	0.379	ug/l	97
18) Methylene Chloride	2.782	84	944	0.527	ug/l	95
51) Ethyl methacrylate	8.647	69	636	0.224	ug/l	93
56) Bromoform	11.079	173	723	0.450	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	31829	40.504	ug/l #	1
84) 1,4-Dichlorobenzene	12.048	146	970	0.226	ug/l	86
89) 1,2,4-Trichlorobenzene	13.597	180	857	0.294	ug/l	98
91) Naphthalene	13.780	128	2770	0.318	ug/l	97
92) 1,2,3-Trichlorobenzene	13.969	180	885	0.297	ug/l	98

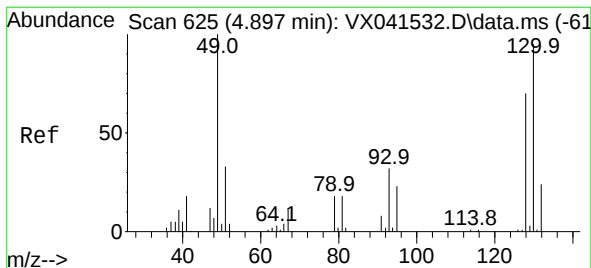
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051524\
Data File : VX041540.D
Acq On : 15 May 2024 15:31
Operator : JC/MD
Sample : VX0515WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL02

Quant Time: May 16 05:26:29 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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.897 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX041540.D

Acq: 15 May 2024 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBL02

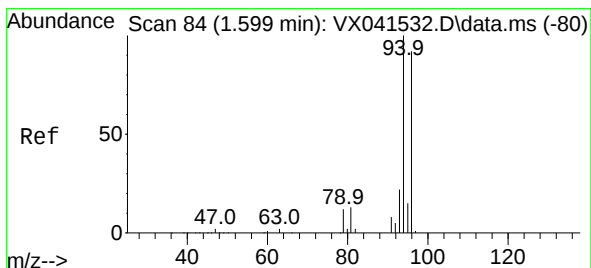
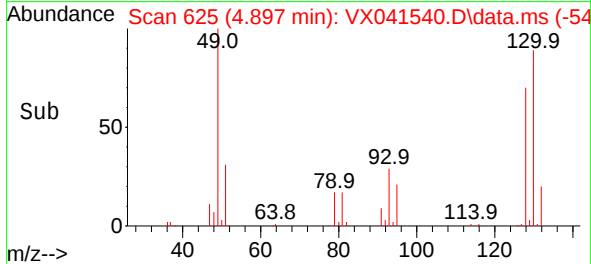
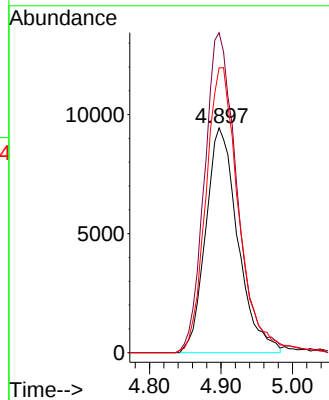
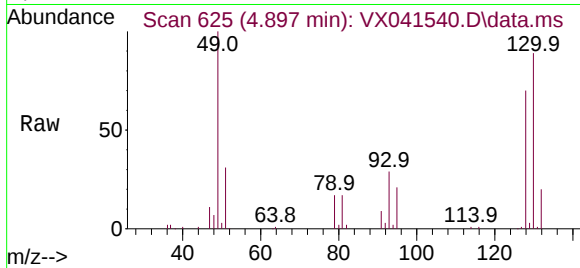
Tgt Ion:128 Resp: 29452

Ion Ratio Lower Upper

128 100

49 143.6 0.0 361.5

130 128.6 0.0 324.3



#5

Bromomethane

Concen: 0.578 ug/l

RT: 1.599 min Scan# 84

Delta R.T. -0.000 min

Lab File: VX041540.D

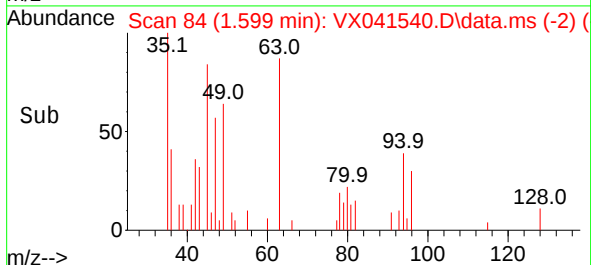
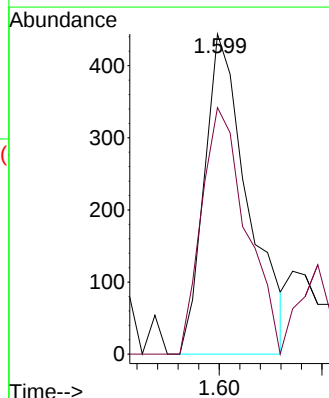
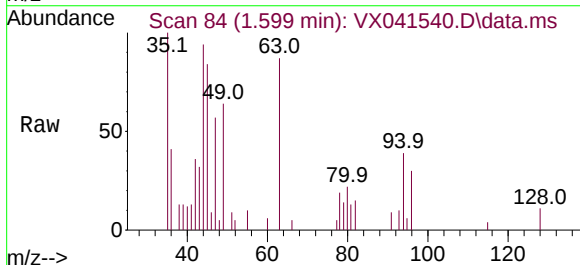
Acq: 15 May 2024 15:31

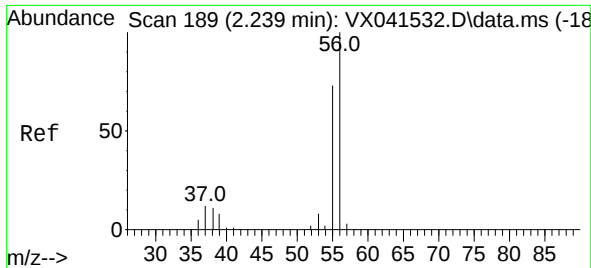
Tgt Ion: 94 Resp: 653

Ion Ratio Lower Upper

94 100

96 77.0 73.9 110.9





#13

Acrolein

Concen: 0.362 ug/l

RT: 2.227 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX041540.D

Acq: 15 May 2024 15:31

Instrument :

MSVOA_X

ClientSampleId :

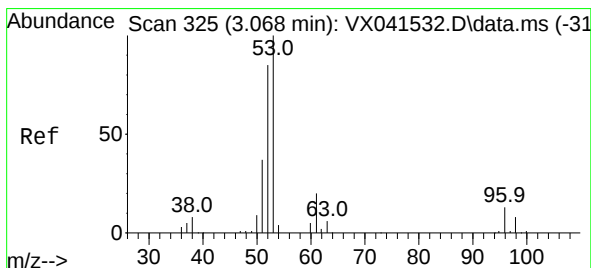
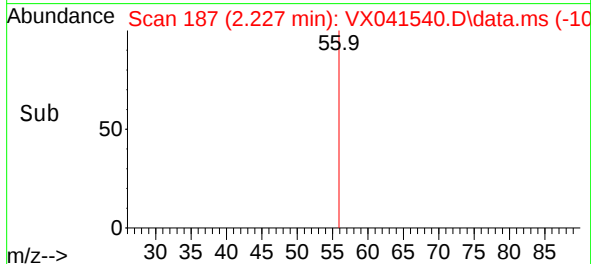
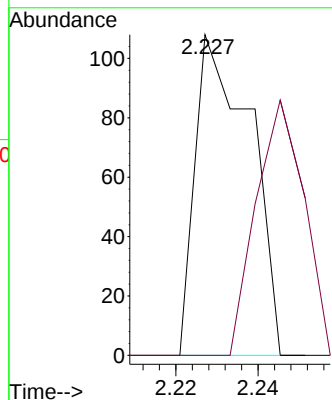
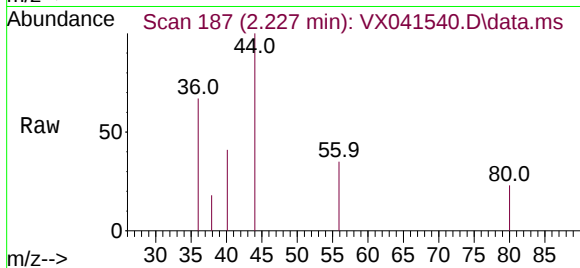
VX0515WBL02

Tgt Ion: 56 Resp: 100

Ion Ratio Lower Upper

56 100

55 69.0 55.1 82.7



#14

Acrylonitrile

Concen: 0.209 ug/l

RT: 3.074 min Scan# 326

Delta R.T. 0.006 min

Lab File: VX041540.D

Acq: 15 May 2024 15:31

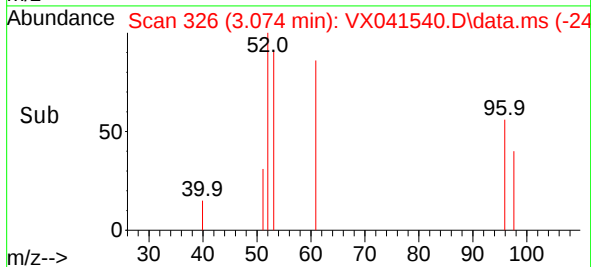
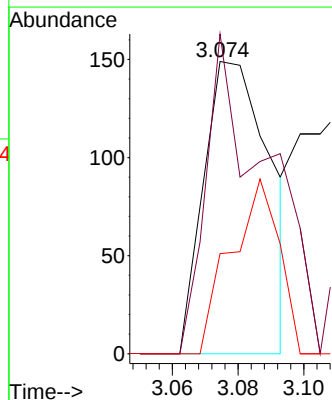
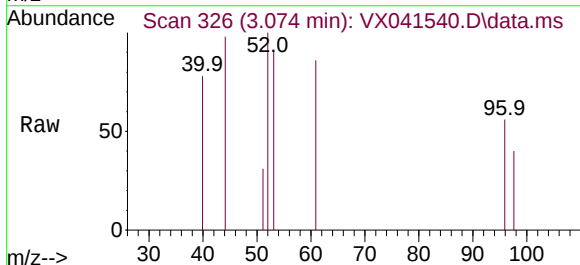
Tgt Ion: 53 Resp: 209

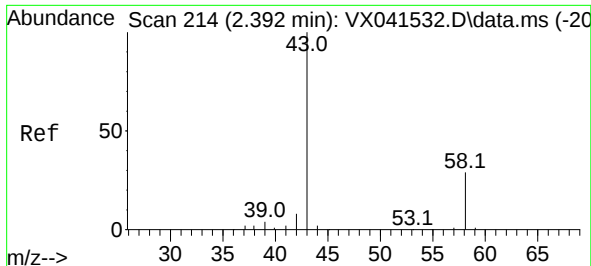
Ion Ratio Lower Upper

53 100

52 54.1 41.3 123.7

51 0.0 18.4 55.0#





#15

Acetone

Concen: 1.695 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX041540.D

Acq: 15 May 2024 15:31

Instrument :

MSVOA_X

ClientSampleId :

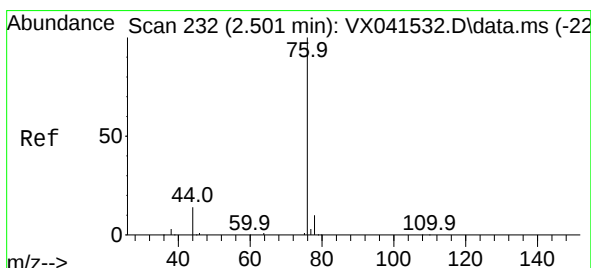
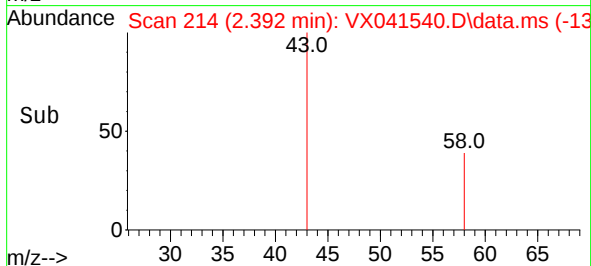
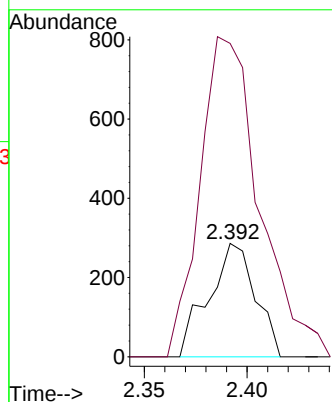
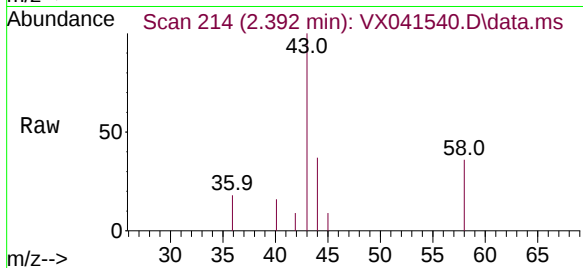
VX0515WBL02

Tgt Ion: 58 Resp: 453

Ion Ratio Lower Upper

58 100

43 227.6 274.0 411.0#



#16

Carbon Disulfide

Concen: 0.379 ug/l

RT: 2.501 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX041540.D

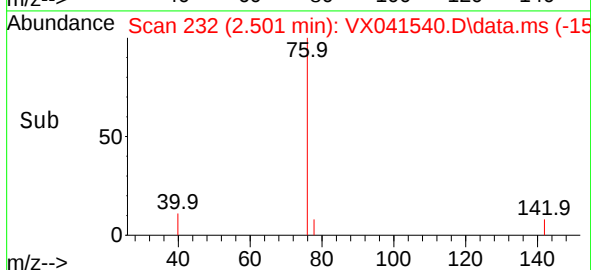
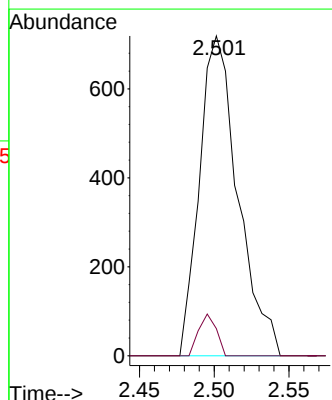
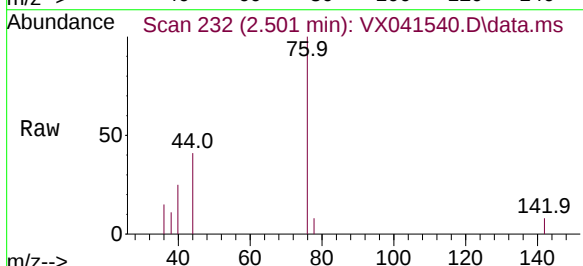
Acq: 15 May 2024 15:31

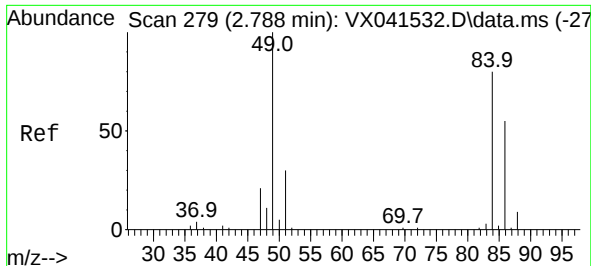
Tgt Ion: 76 Resp: 1288

Ion Ratio Lower Upper

76 100

78 8.5 7.6 11.4





#18

Methylene Chloride

Concen: 0.527 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX041540.D

Acq: 15 May 2024 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBL02

Tgt Ion: 84 Resp: 944

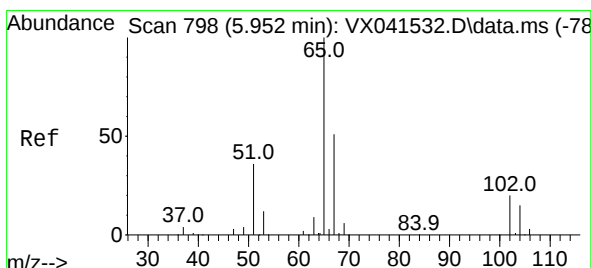
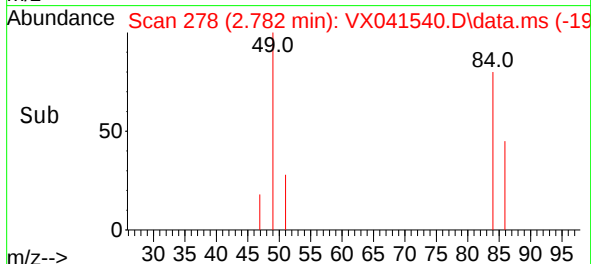
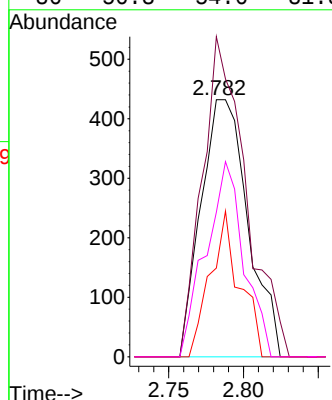
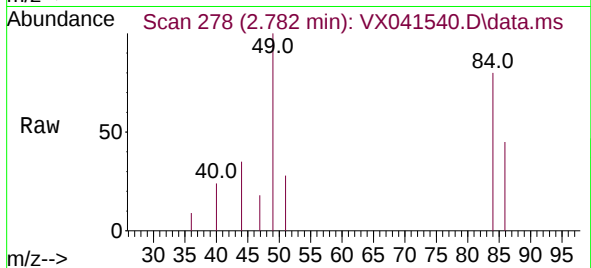
Ion Ratio Lower Upper

84 100

49 124.5 99.8 149.8

51 34.5 30.2 45.4

86 56.3 54.6 81.8



#27

1,2-Dichloroethane-d4

Concen: 29.775 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041540.D

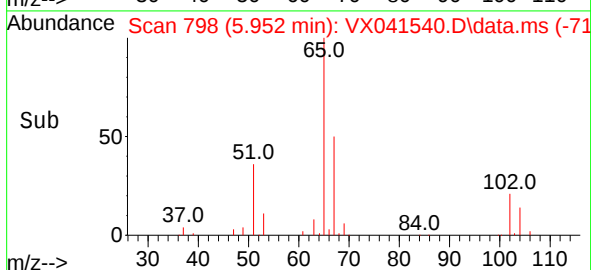
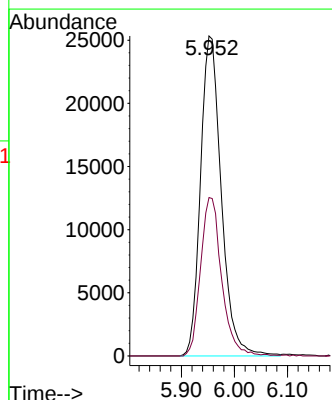
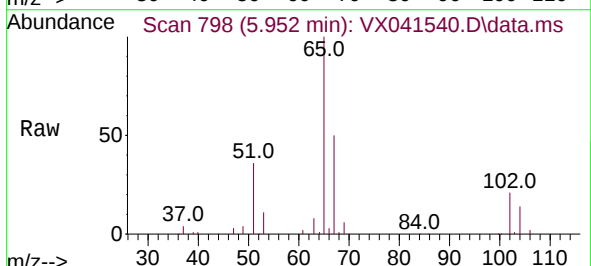
Acq: 15 May 2024 15:31

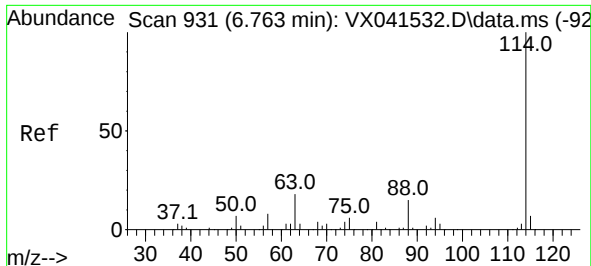
Tgt Ion: 65 Resp: 69059

Ion Ratio Lower Upper

65 100

67 49.8 40.8 61.2

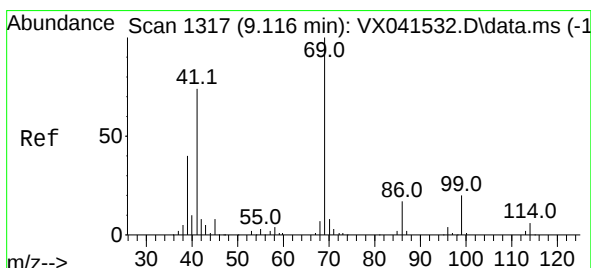
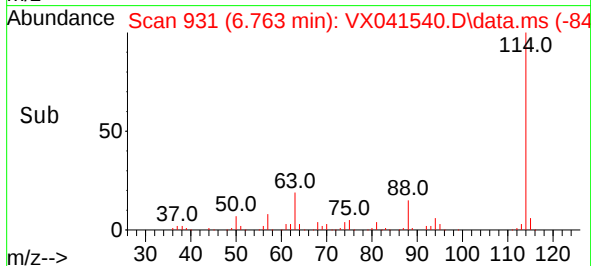
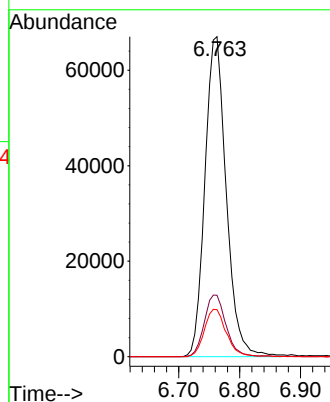
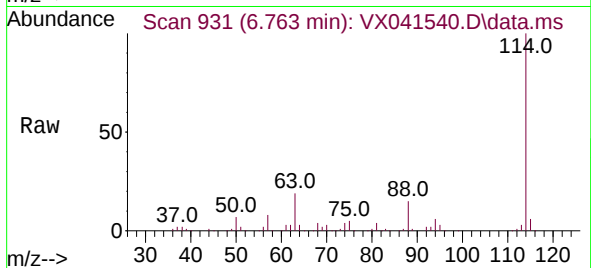




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX041540.D
Acq: 15 May 2024 15:31

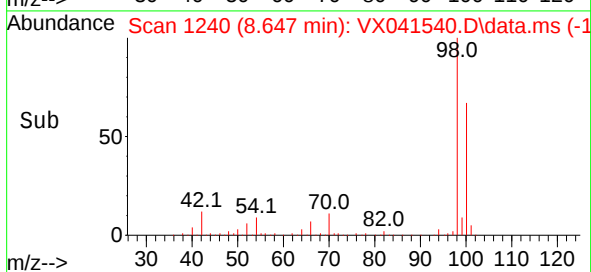
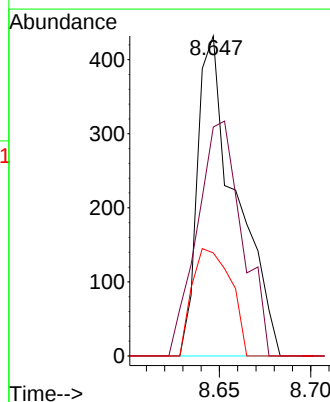
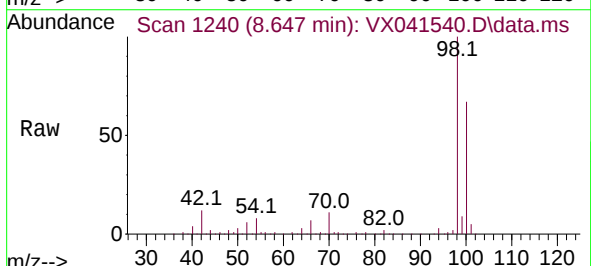
Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL02

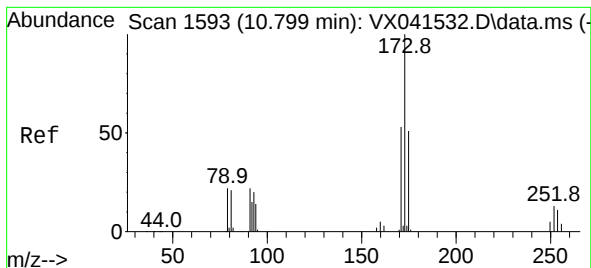
Tgt Ion:114 Resp: 163010
Ion Ratio Lower Upper
114 100
63 19.5 15.4 23.0
88 15.2 12.2 18.2



#51
Ethyl methacrylate
Concen: 0.224 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.469 min
Lab File: VX041540.D
Acq: 15 May 2024 15:31

Tgt Ion: 69 Resp: 636
Ion Ratio Lower Upper
69 100
41 71.5 37.1 111.3
39 32.2 20.2 60.6





#56

Bromoform

Concen: 0.450 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.280 min

Lab File: VX041540.D

Acq: 15 May 2024 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBL02

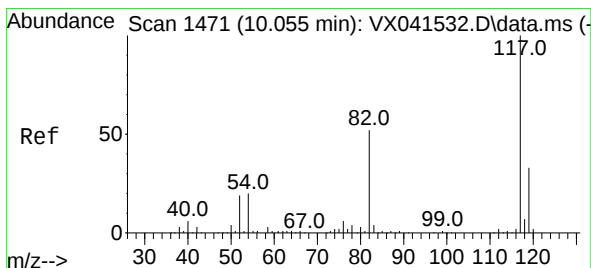
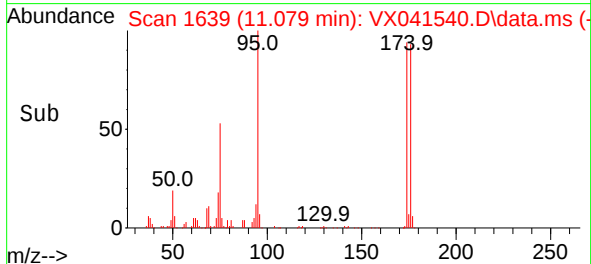
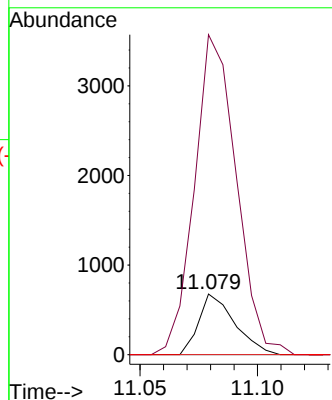
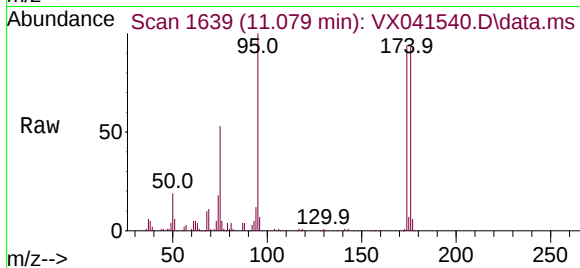
Tgt Ion:173 Resp: 723

Ion Ratio Lower Upper

173 100

175 612.2 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: VX041540.D

Acq: 15 May 2024 15:31

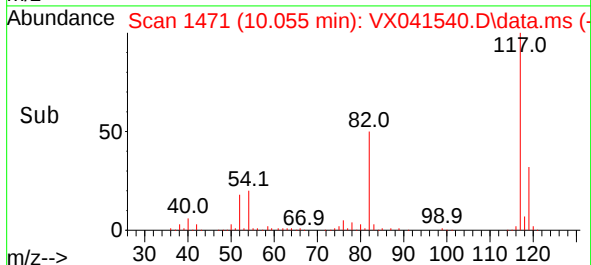
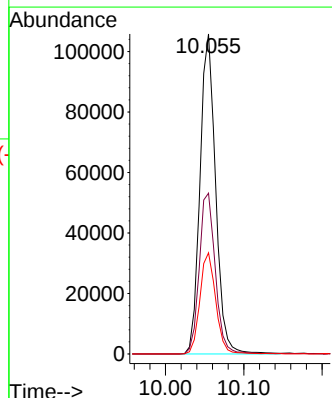
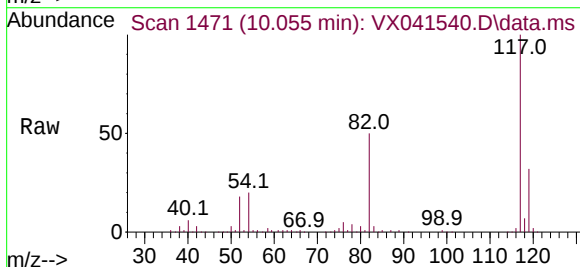
Tgt Ion:117 Resp: 146843

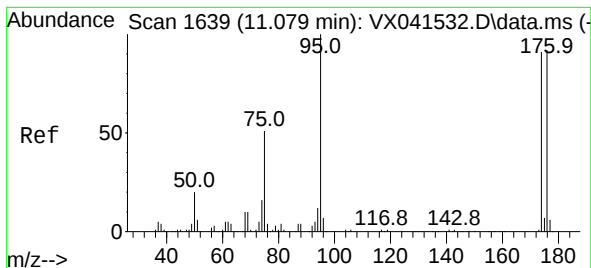
Ion Ratio Lower Upper

117 100

82 51.7 41.7 62.5

119 31.9 25.7 38.5





#60

4-Bromofluorobenzene

Concen: 27.260 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX041540.D

Acq: 15 May 2024 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBL02

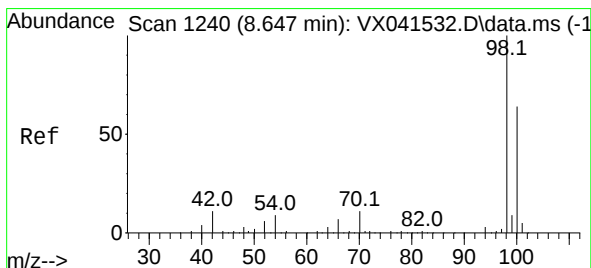
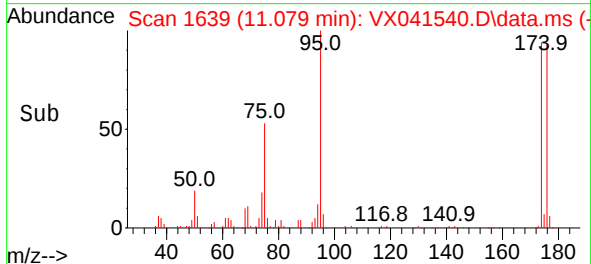
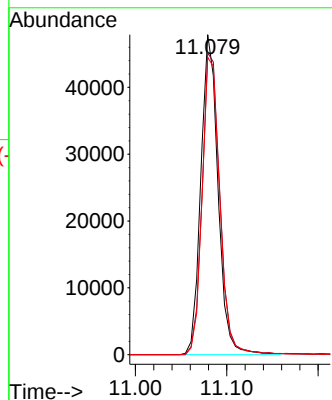
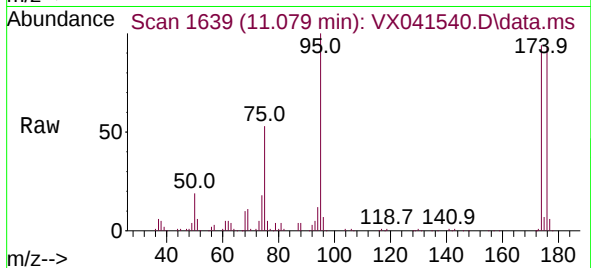
Tgt Ion: 95 Resp: 62489

Ion Ratio Lower Upper

95 100

174 97.5 76.6 115.0

176 95.4 75.4 113.0



#63

Toluene-d8

Concen: 29.958 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041540.D

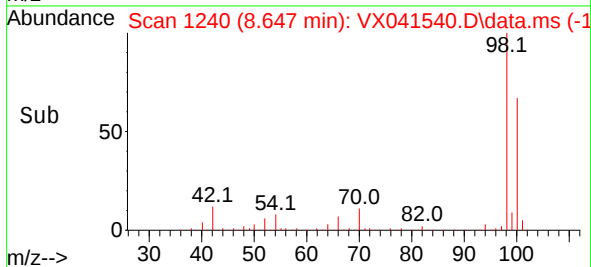
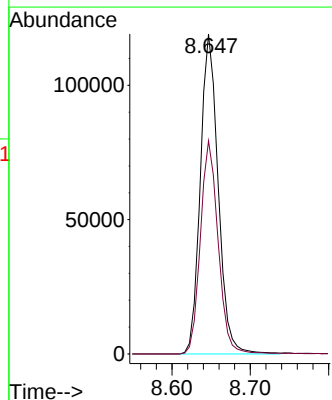
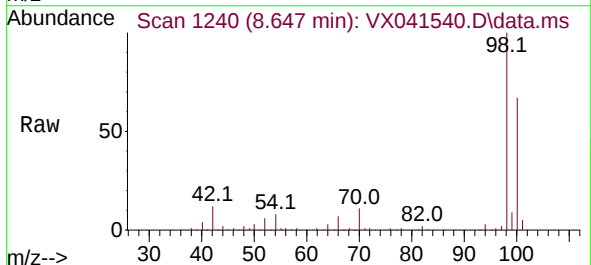
Acq: 15 May 2024 15:31

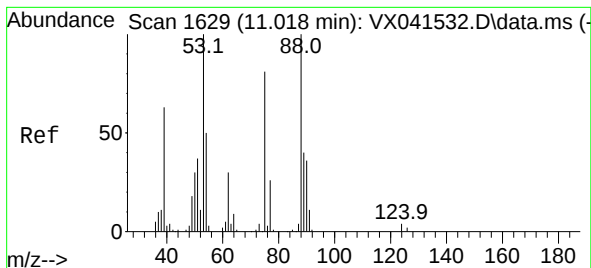
Tgt Ion: 98 Resp: 188575

Ion Ratio Lower Upper

98 100

100 66.0 53.1 79.7

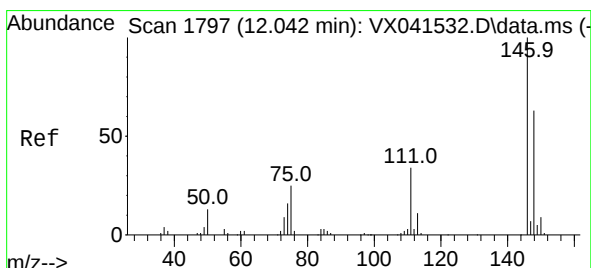
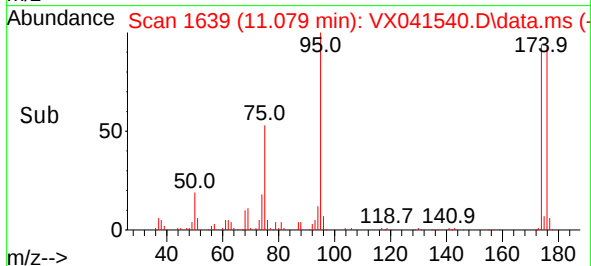
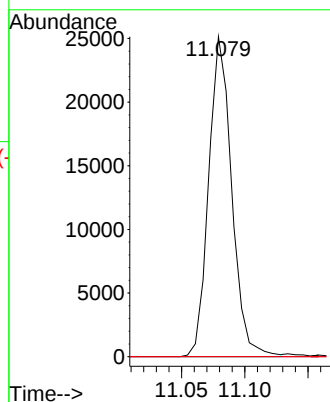
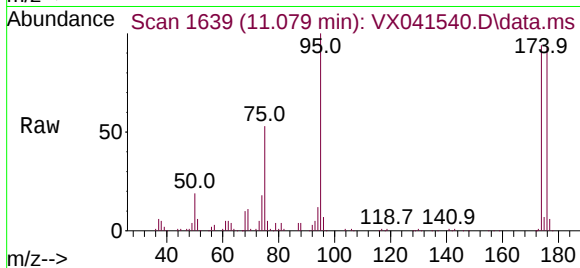




#77
t-1,4-Dichloro-2-butene
Concen: 40.504 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX041540.D
Acq: 15 May 2024 15:31

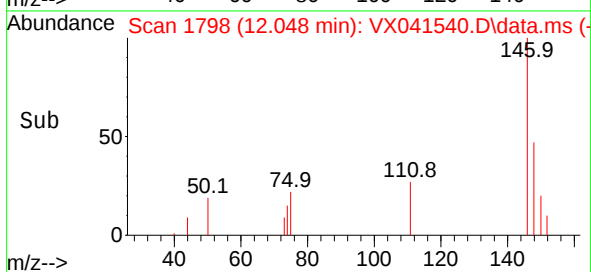
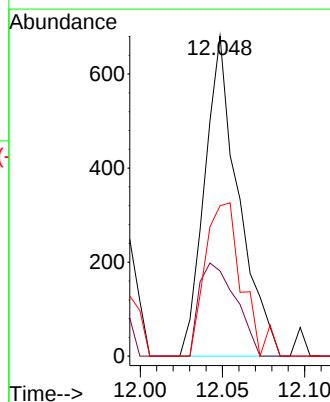
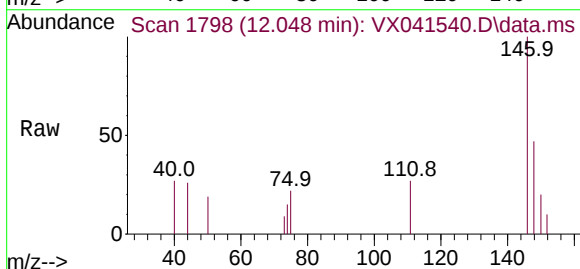
Instrument :
MSVOA_X
ClientSampleId :
VX0515WBL02

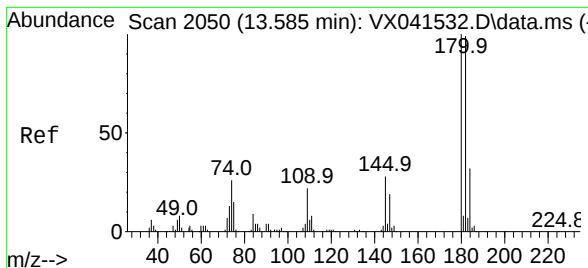
Tgt Ion: 75 Resp: 31829
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#



#84
1,4-Dichlorobenzene
Concen: 0.226 ug/l
RT: 12.048 min Scan# 1798
Delta R.T. 0.006 min
Lab File: VX041540.D
Acq: 15 May 2024 15:31

Tgt Ion: 146 Resp: 970
Ion Ratio Lower Upper
146 100
111 31.6 17.8 53.5
148 49.9 31.9 95.5





#89

1,2,4-Trichlorobenzene

Concen: 0.294 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX041540.D

Acq: 15 May 2024 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBL02

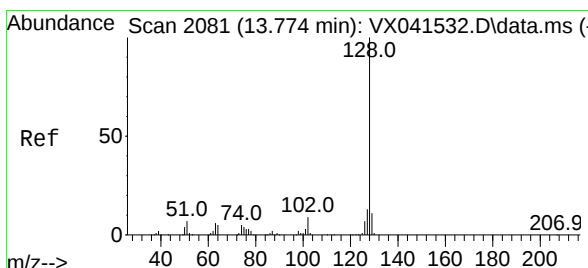
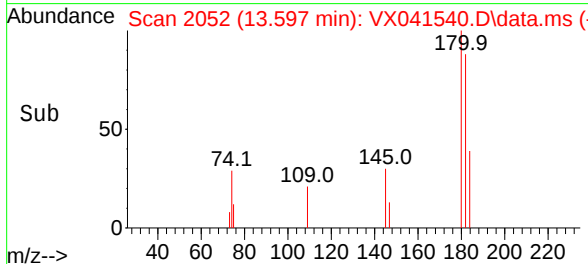
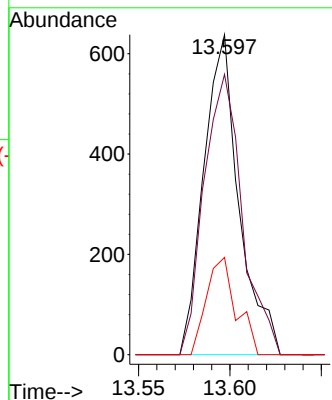
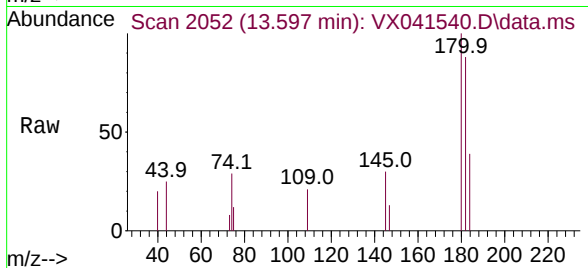
Tgt Ion:180 Resp: 857

Ion Ratio Lower Upper

180 100

182 94.7 77.0 115.4

145 25.6 22.7 34.1



#91

Naphthalene

Concen: 0.318 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX041540.D

Acq: 15 May 2024 15:31

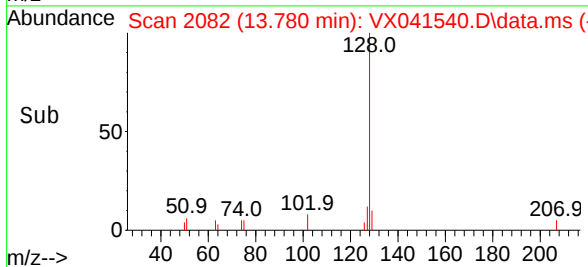
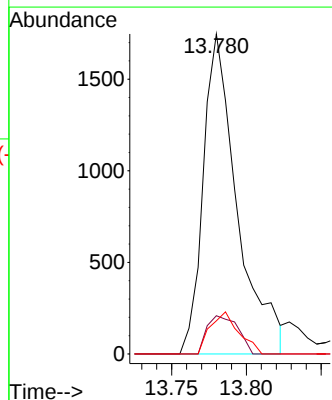
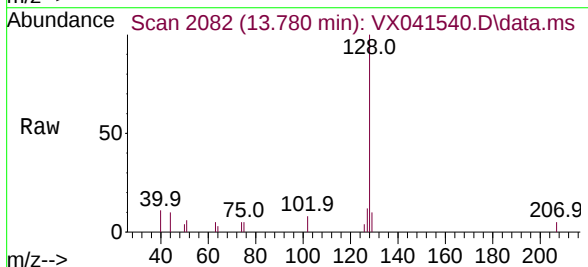
Tgt Ion:128 Resp: 2770

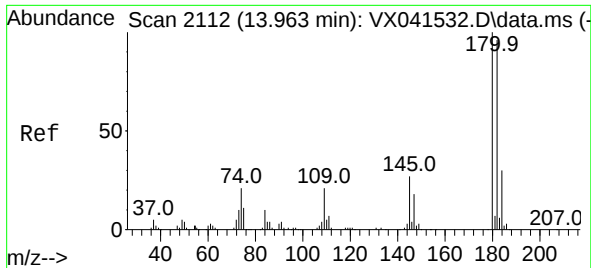
Ion Ratio Lower Upper

128 100

127 10.8 10.6 16.0

129 11.1 8.8 13.2





#92

1,2,3-Trichlorobenzene

Concen: 0.297 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX041540.D

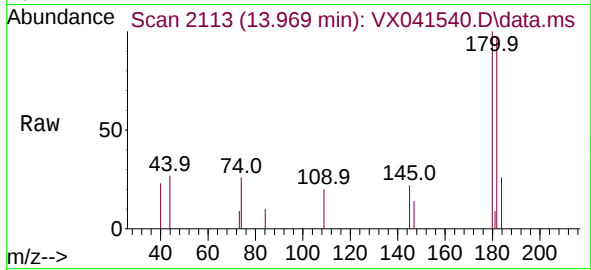
Acq: 15 May 2024 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBL02



Tgt Ion:180 Resp: 885

Ion Ratio Lower Upper

180 100

182 94.9 0.0 191.0

145 26.0 0.0 58.6

