

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041561.D
 Acq On : 16 May 2024 14:20
 Operator : JC/MD
 Sample : P2508-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 17 02:39:43 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)

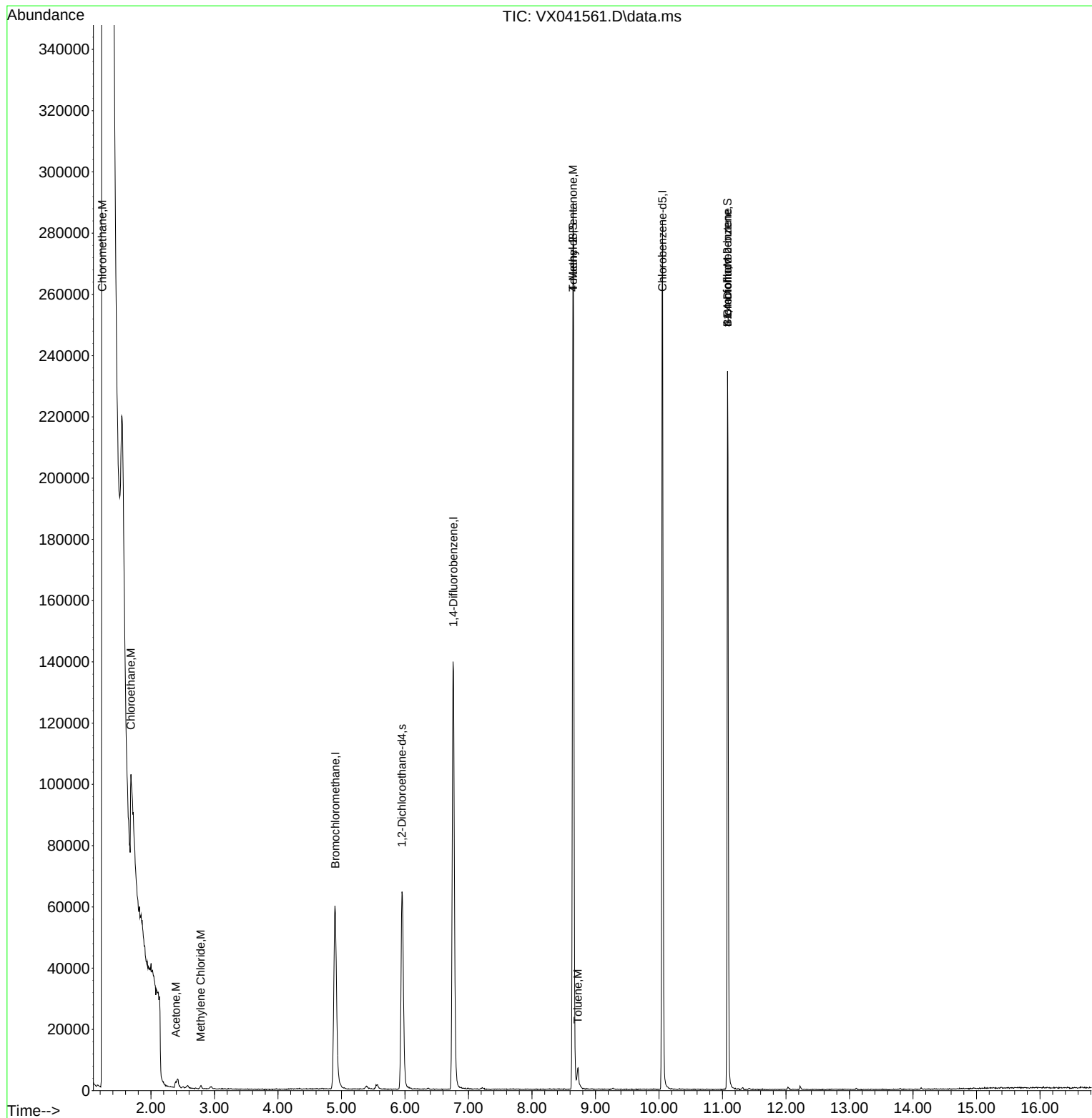
Internal Standards						
1) Bromochloromethane	4.904	128	28058	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	149128	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	135252	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	65282	29.545	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.500%		
60) 4-Bromofluorobenzene	11.079	95	58222	27.575	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	91.933%		
63) Toluene-d8	8.647	98	173838	29.984	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.933%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.234	50	504451	313.898	ug/l #	43
6) Chloroethane	1.685	64	103361	120.828	ug/l #	46
15) Acetone	2.392	58	508	1.995	ug/l #	59
18) Methylene Chloride	2.782	84	505	0.296	ug/l	87
56) Bromoform	11.079	173	354	0.241	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	781	0.316	ug/l #	1
62) Toluene	8.720	91	4929	0.732	ug/l	98
77) t-1,4-Dichloro-2-butene	11.079	75	29802	41.175	ug/l #	1

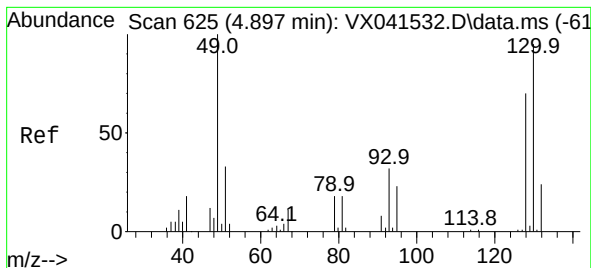
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.904 min Scan# 61

Delta R.T. 0.007 min

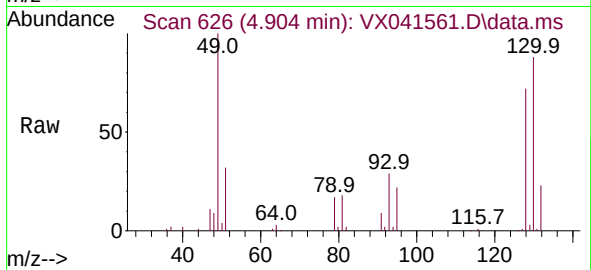
Lab File: VX041561.D

Acq: 16 May 2024 14:20

Instrument :

MSVOA_X

ClientSampleId :



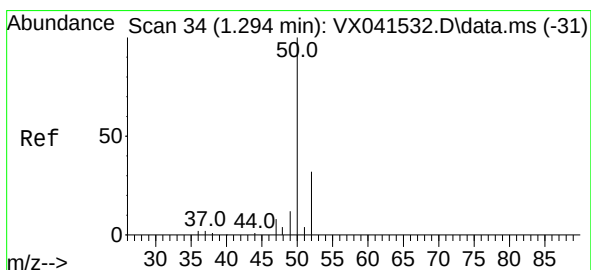
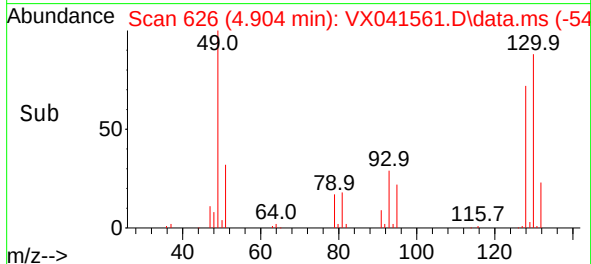
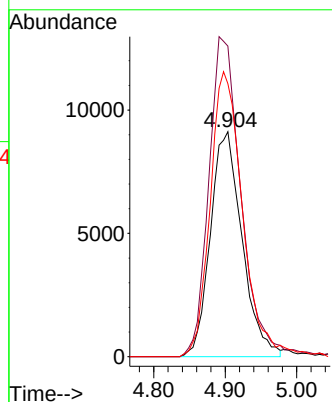
Tgt Ion:128 Resp: 28058

Ion Ratio Lower Upper

128 100

49 143.4 0.0 361.5

130 127.2 0.0 324.3



#3

Chloromethane

Concen: 313.898 ug/l

RT: 1.234 min Scan# 24

Delta R.T. -0.061 min

Lab File: VX041561.D

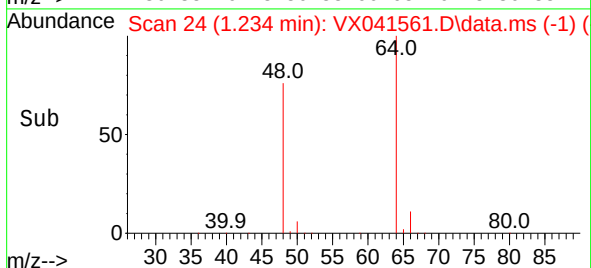
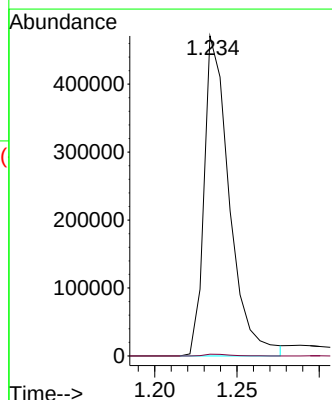
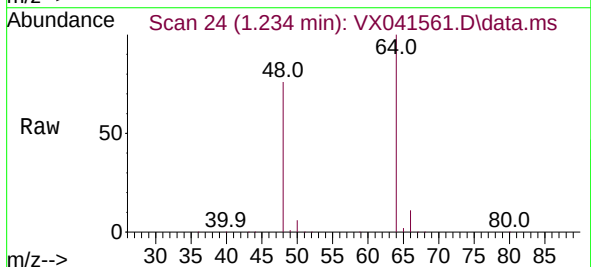
Acq: 16 May 2024 14:20

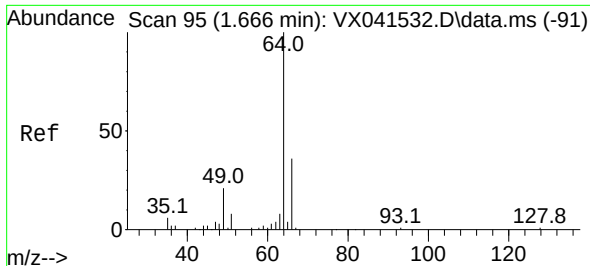
Tgt Ion: 50 Resp: 504451

Ion Ratio Lower Upper

50 100

52 0.6 25.8 38.8#

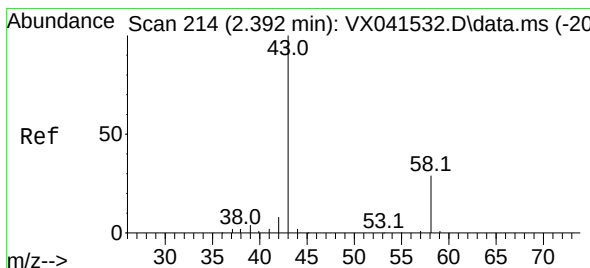
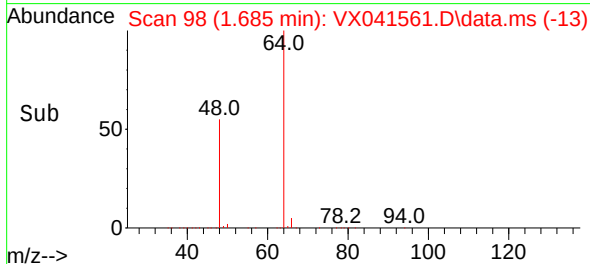
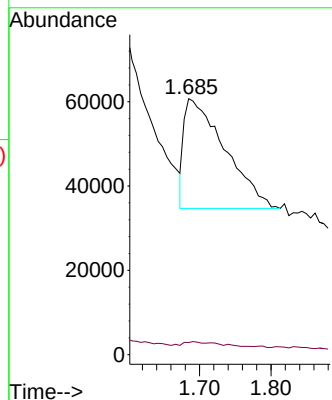
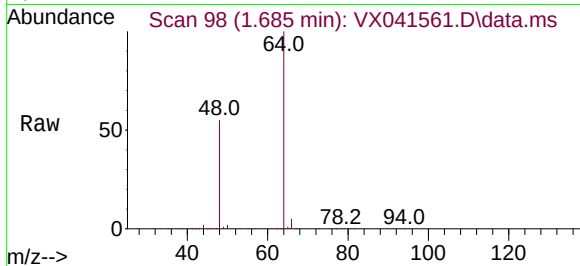




#6
Chloroethane
Concen: 120.828 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX041561.D
Acq: 16 May 2024 14:20

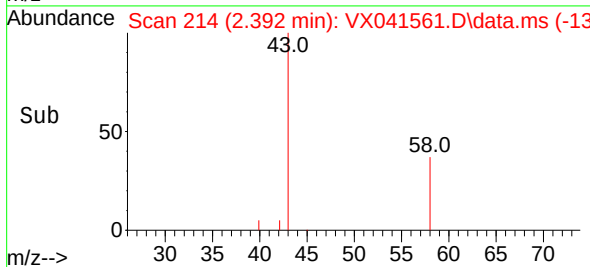
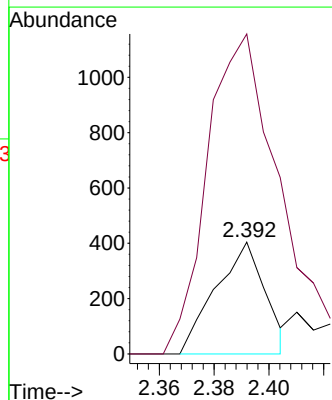
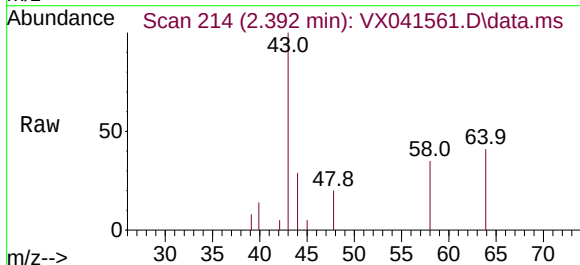
Instrument :
MSVOA_X
ClientSampleId :

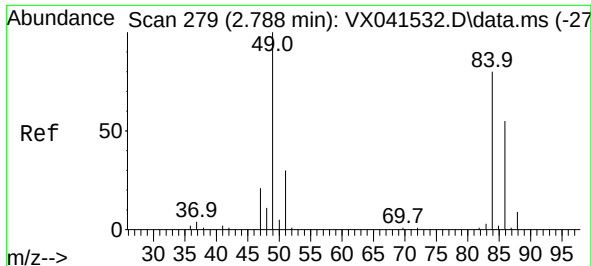
Tgt Ion: 64 Resp: 103361
Ion Ratio Lower Upper
64 100
66 3.9 28.6 42.8#



#15
Acetone
Concen: 1.995 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041561.D
Acq: 16 May 2024 14:20

Tgt Ion: 58 Resp: 508
Ion Ratio Lower Upper
58 100
43 255.2 274.0 411.0#





#18

Methylene Chloride

Concen: 0.296 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

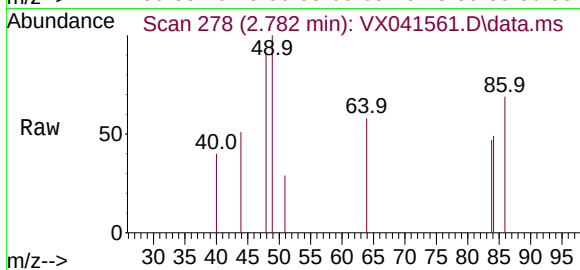
Lab File: VX041561.D

Acq: 16 May 2024 14:20

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 505

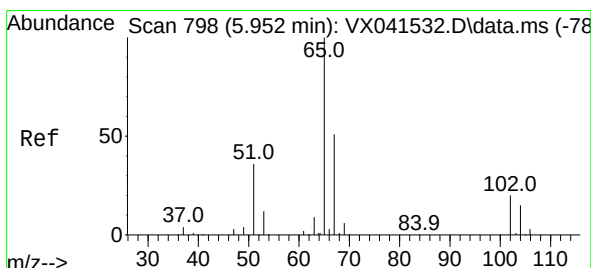
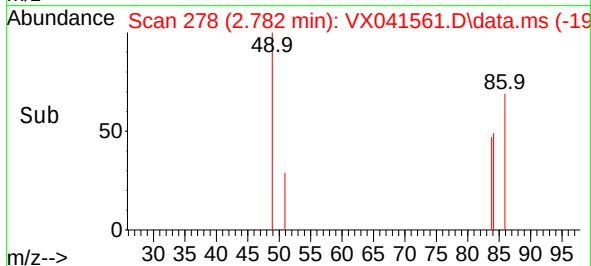
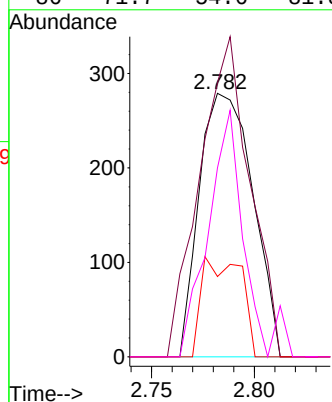
Ion Ratio Lower Upper

84 100

49 103.9 99.8 149.8

51 30.5 30.2 45.4

86 71.7 54.6 81.8



#27

1,2-Dichloroethane-d4

Concen: 29.545 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041561.D

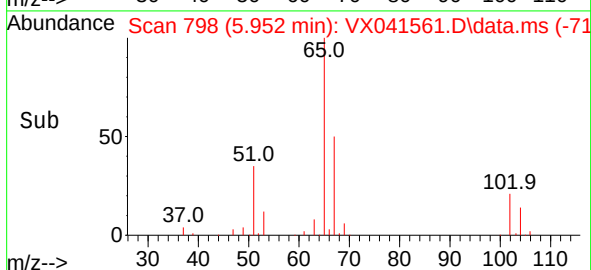
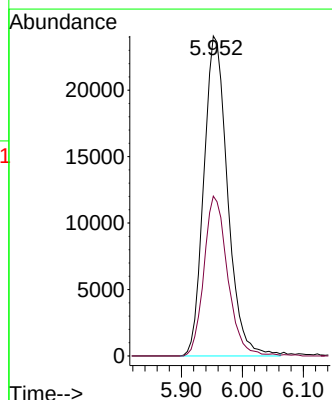
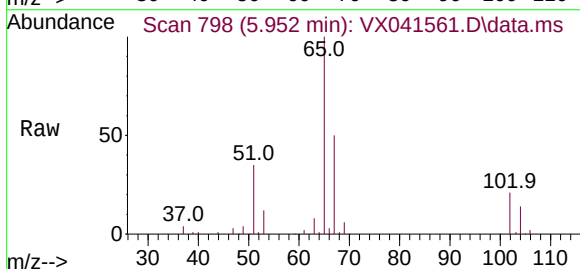
Acq: 16 May 2024 14:20

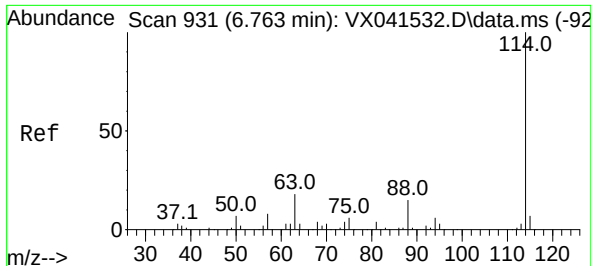
Tgt Ion: 65 Resp: 65282

Ion Ratio Lower Upper

65 100

67 49.4 40.8 61.2

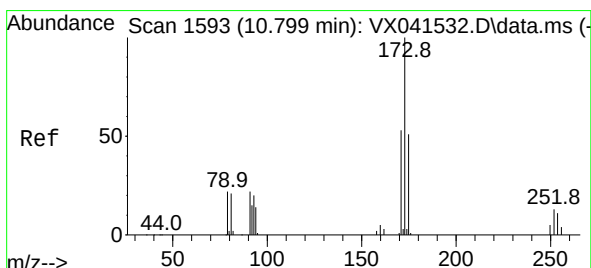
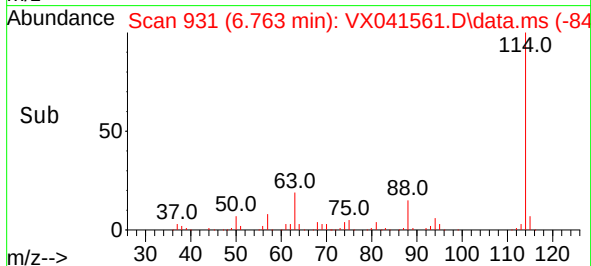
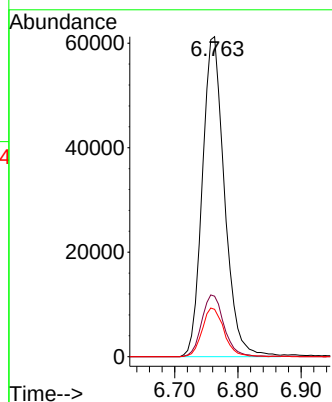
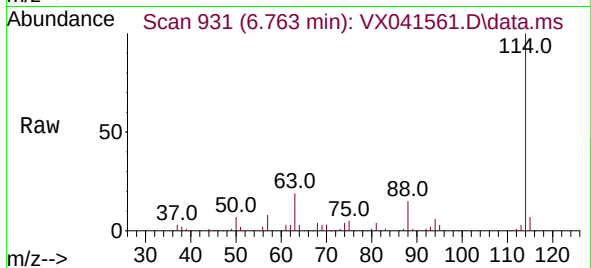




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX041561.D
Acq: 16 May 2024 14:20

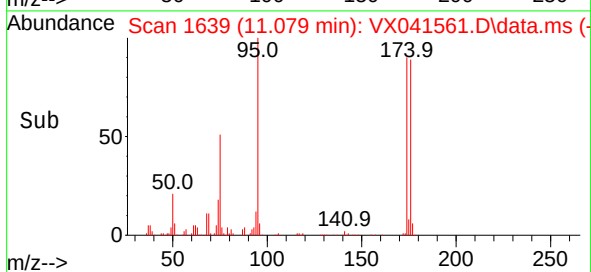
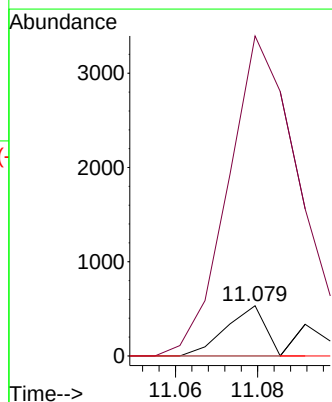
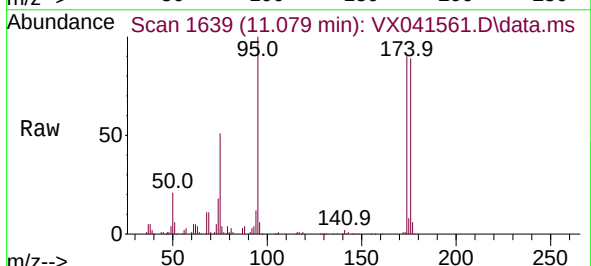
Instrument :
MSVOA_X
ClientSampleId :

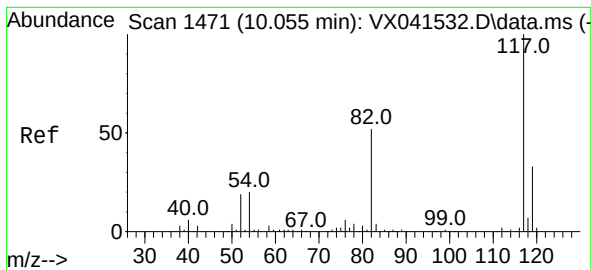
Tgt Ion:114 Resp: 149128
Ion Ratio Lower Upper
114 100
63 19.4 15.4 23.0
88 14.9 12.2 18.2



#56
Bromoform
Concen: 0.241 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX041561.D
Acq: 16 May 2024 14:20

Tgt Ion:173 Resp: 354
Ion Ratio Lower Upper
173 100
175 1175.4 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: VX041561.D

Acq: 16 May 2024 14:20

Instrument :

MSVOA_X

ClientSampleId :

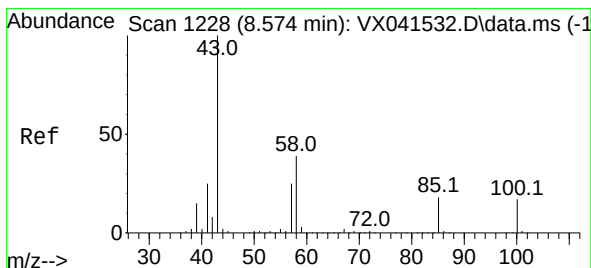
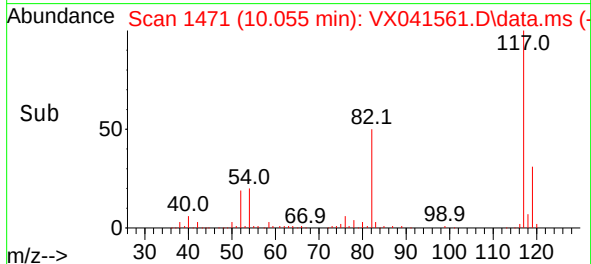
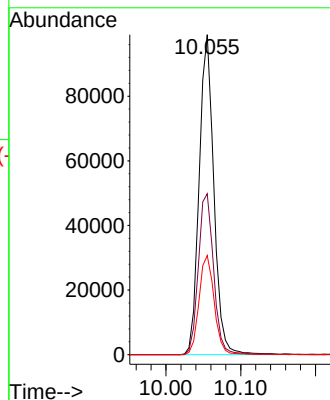
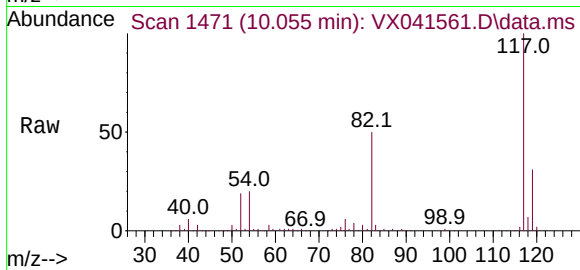
Tgt Ion:117 Resp: 135252

Ion Ratio Lower Upper

117 100

82 52.3 41.7 62.5

119 31.9 25.7 38.5



#58

4-Methyl-2-Pentanone

Concen: 0.316 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX041561.D

Acq: 16 May 2024 14:20

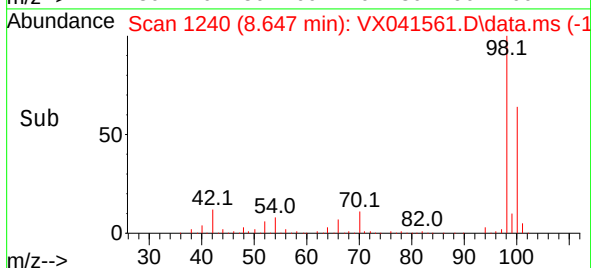
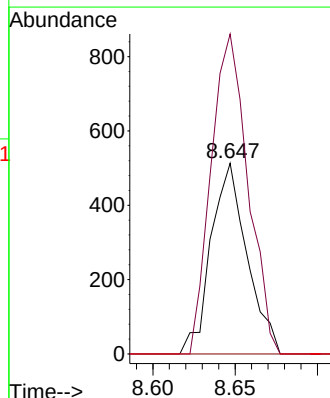
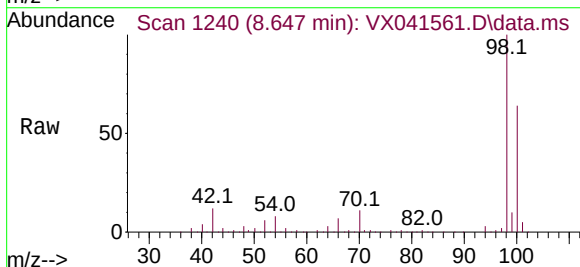
Tgt Ion: 43 Resp: 781

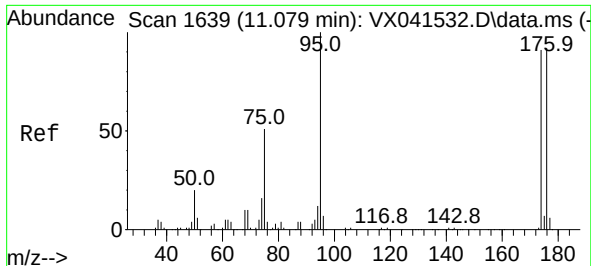
Ion Ratio Lower Upper

43 100

58 172.2 30.2 45.4#

85 0.0 14.6 21.8#





#60

4-Bromofluorobenzene

Concen: 27.575 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041561.D

Acq: 16 May 2024 14:20

Instrument :

MSVOA_X

ClientSampleId :

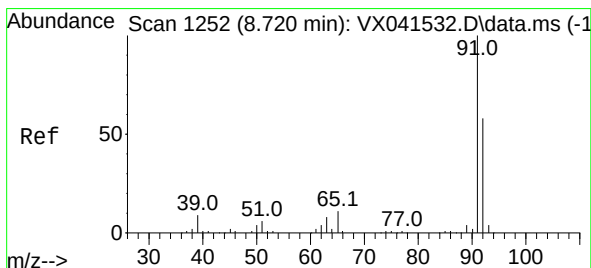
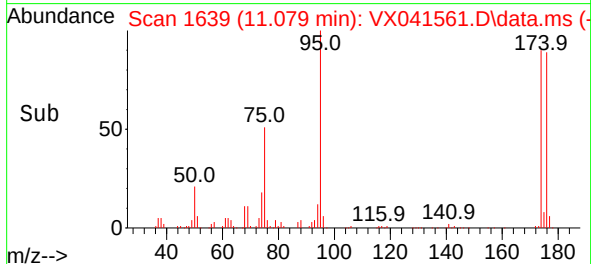
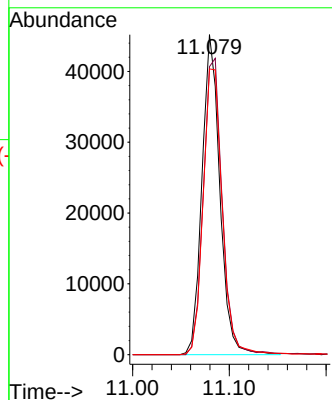
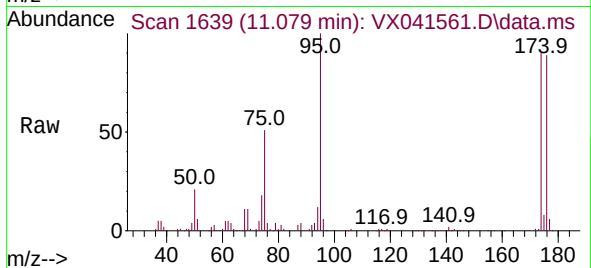
Tgt Ion: 95 Resp: 58222

Ion Ratio Lower Upper

95 100

174 97.1 76.6 115.0

176 95.4 75.4 113.0



#62

Toluene

Concen: 0.732 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX041561.D

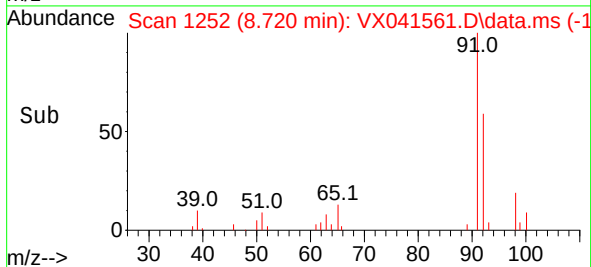
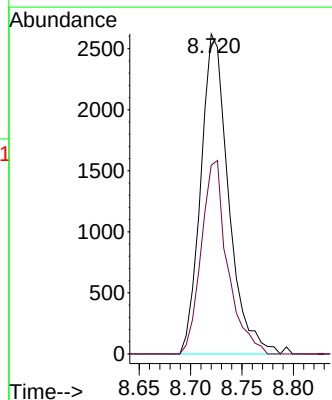
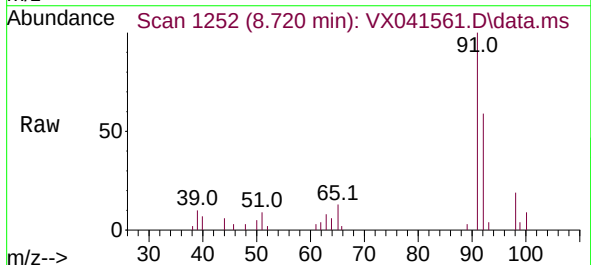
Acq: 16 May 2024 14:20

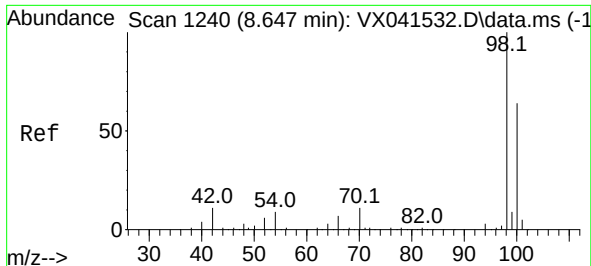
Tgt Ion: 91 Resp: 4929

Ion Ratio Lower Upper

91 100

92 57.2 47.0 70.6





#63

Toluene-d8

Concen: 29.984 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041561.D

Acq: 16 May 2024 14:20

Instrument :

MSVOA_X

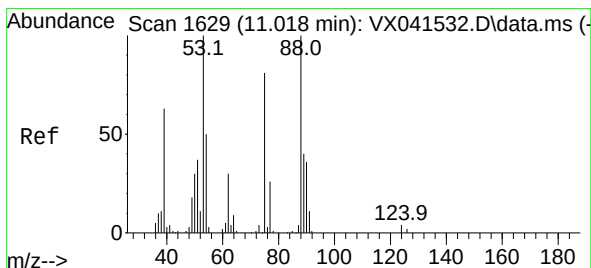
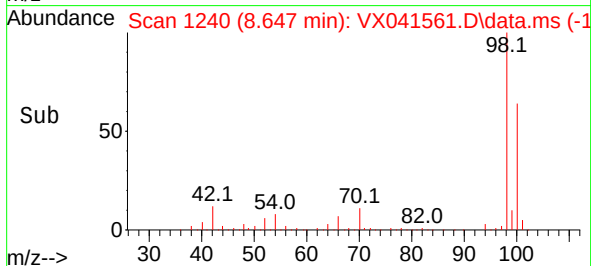
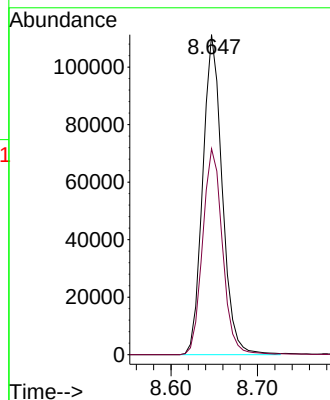
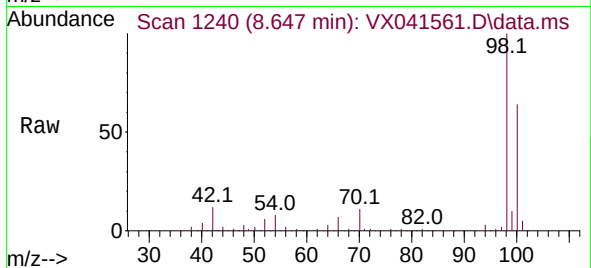
ClientSampleId :

Tgt Ion: 98 Resp: 173838

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7



#77

t-1,4-Dichloro-2-butene

Concen: 41.175 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041561.D

Acq: 16 May 2024 14:20

Tgt Ion: 75 Resp: 29802

Ion Ratio Lower Upper

75 100

53 0.0 61.8 185.3#

89 0.0 24.9 74.7#

