

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051524\
 Data File : VX041544.D
 Acq On : 15 May 2024 17:06
 Operator : JC/MD
 Sample : P2479-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240502002-05-TRIP-BLANK

Quant Time: May 16 05:28:31 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)

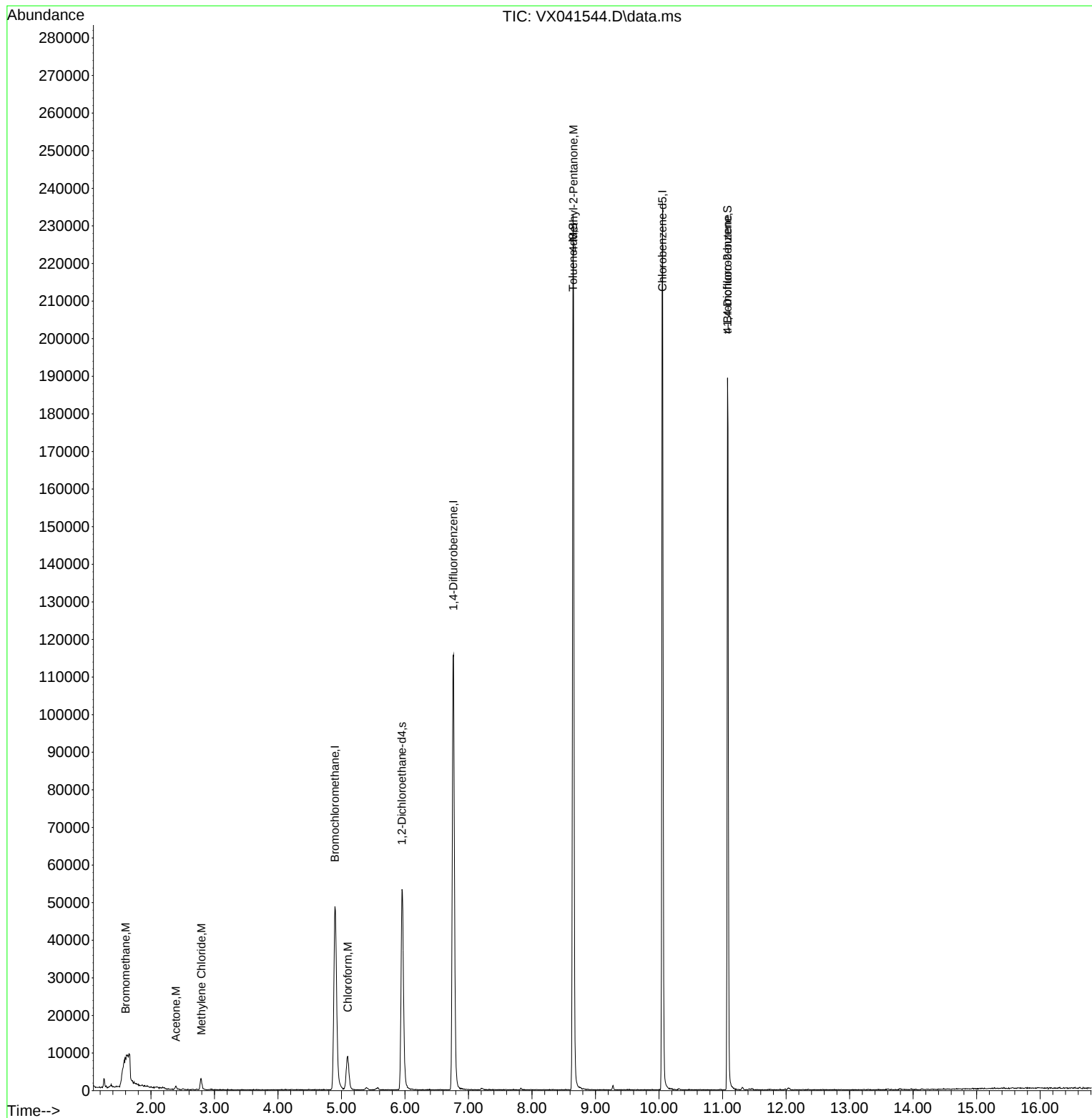
Internal Standards						
1) Bromochloromethane	4.897	128	23059	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	123924	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	110627	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	52388	28.850	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.167%		
60) 4-Bromofluorobenzene	11.079	95	47069	27.255	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	90.867%		
63) Toluene-d8	8.647	98	141574	29.855	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.500%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	409	0.462	ug/l	92
15) Acetone	2.392	58	283	1.352	ug/l	98
18) Methylene Chloride	2.794	84	632	0.450	ug/l #	82
25) Chloroform	5.099	83	10952	4.164	ug/l	98
58) 4-Methyl-2-Pentanone	8.653	43	672	0.332	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	23825	40.244	ug/l #	1

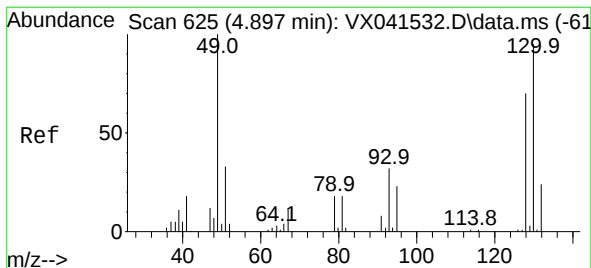
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 16 05:13:13 2024
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.897 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX041544.D

Acq: 15 May 2024 17:06

Instrument :

MSVOA_X

ClientSampleId :

240502002-05-TRIP-BLANK

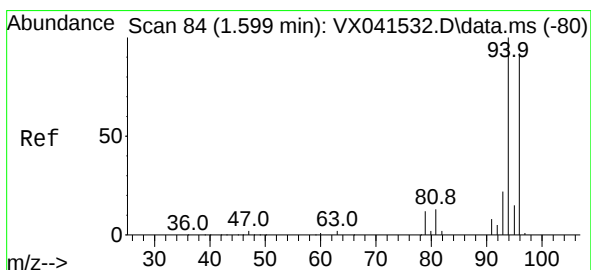
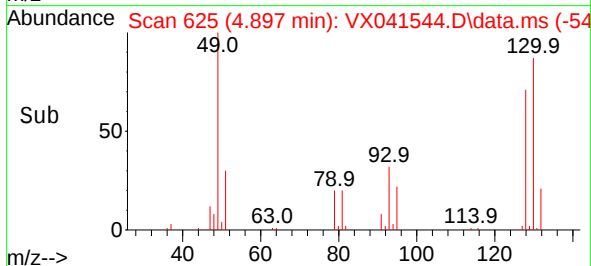
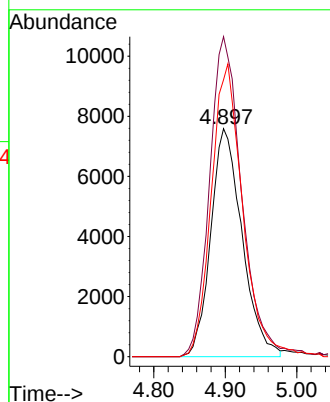
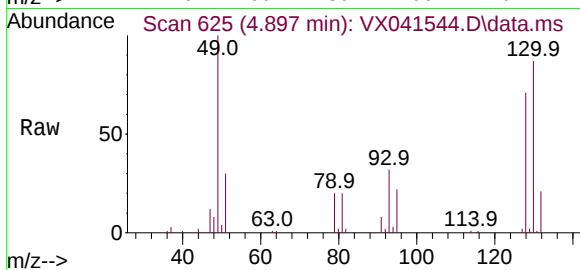
Tgt Ion:128 Resp: 23059

Ion Ratio Lower Upper

128 100

49 145.4 0.0 361.5

130 128.9 0.0 324.3



#5

Bromomethane

Concen: 0.462 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX041544.D

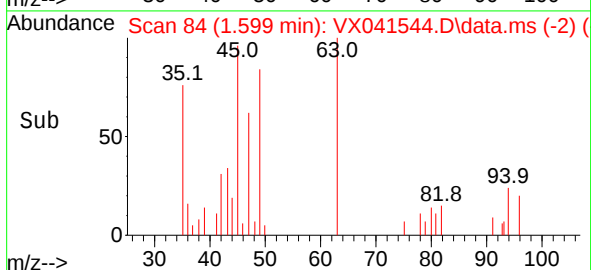
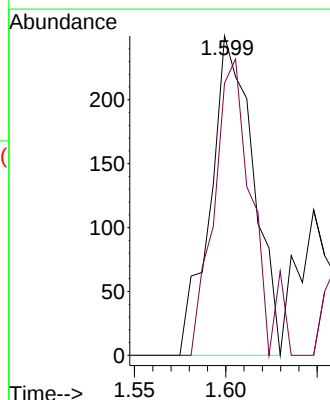
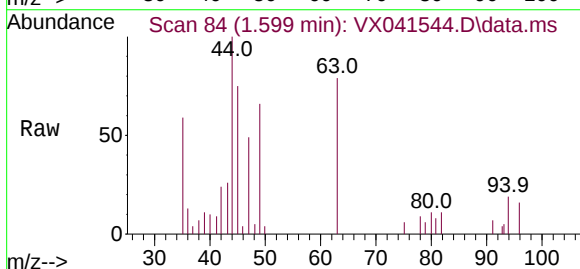
Acq: 15 May 2024 17:06

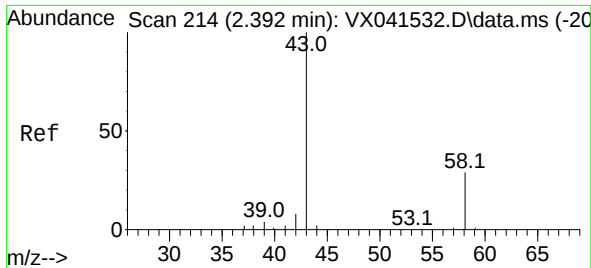
Tgt Ion: 94 Resp: 409

Ion Ratio Lower Upper

94 100

96 85.2 73.9 110.9





#15

Acetone

Concen: 1.352 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX041544.D

Acq: 15 May 2024 17:06

Instrument :

MSVOA_X

ClientSampleId :

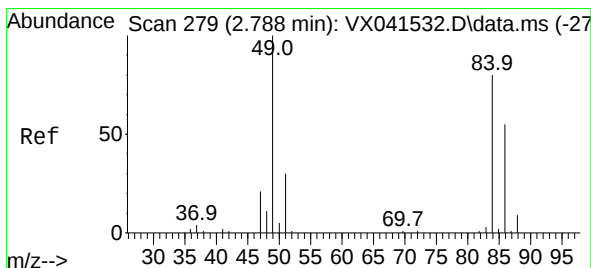
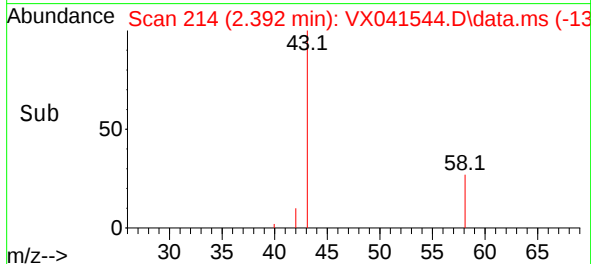
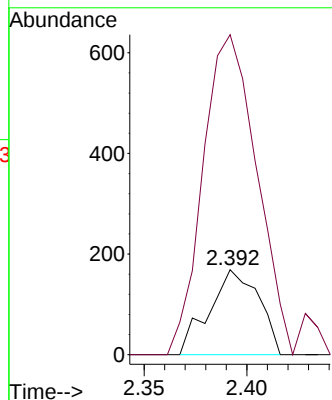
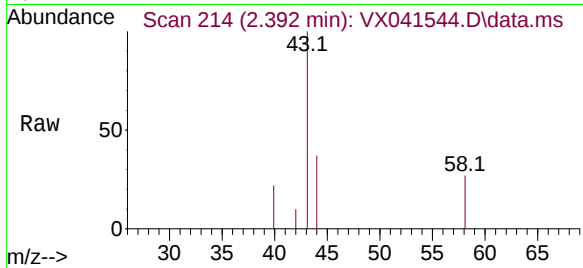
240502002-05-TRIP-BLANK

Tgt Ion: 58 Resp: 283

Ion Ratio Lower Upper

58 100

43 337.9 274.0 411.0



#18

Methylene Chloride

Concen: 0.450 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX041544.D

Acq: 15 May 2024 17:06

Tgt Ion: 84 Resp: 632

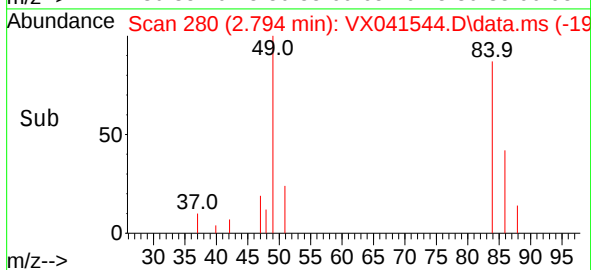
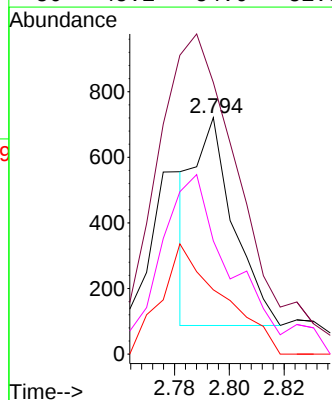
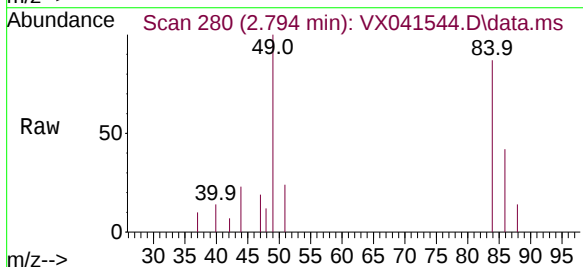
Ion Ratio Lower Upper

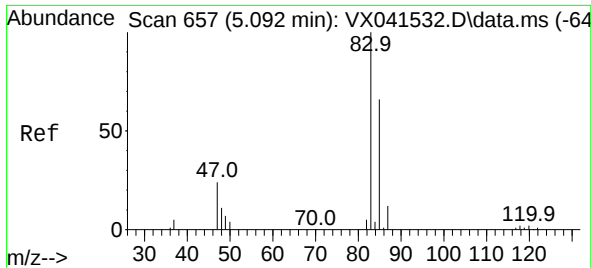
84 100

49 108.0 99.8 149.8

51 30.9 30.2 45.4

86 45.1 54.6 81.8#





#25

Chloroform

Concen: 4.164 ug/l

RT: 5.099 min Scan# 6

Delta R.T. 0.006 min

Lab File: VX041544.D

Acq: 15 May 2024 17:06

Instrument :

MSVOA_X

ClientSampleId :

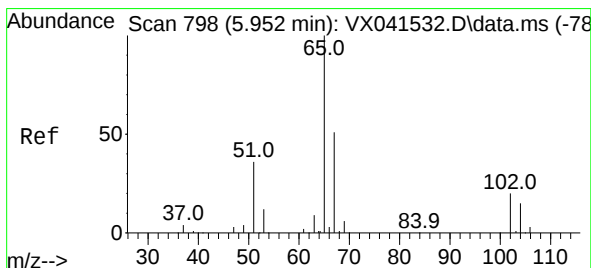
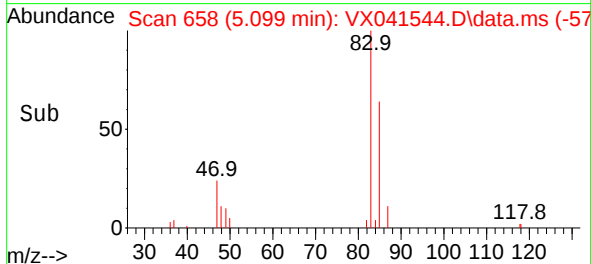
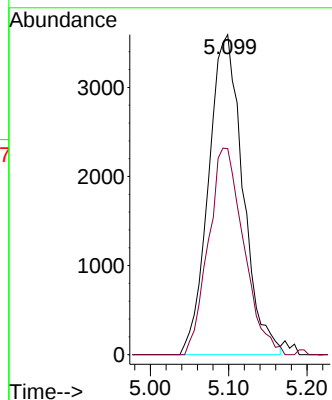
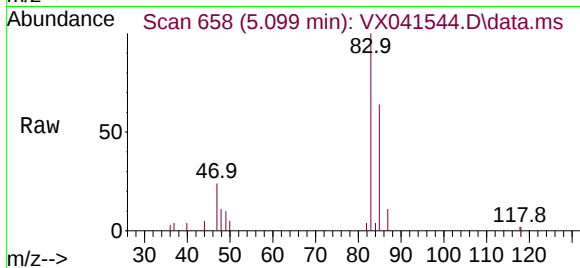
240502002-05-TRIP-BLANK

Tgt Ion: 83 Resp: 10952

Ion Ratio Lower Upper

83 100

85 64.4 52.9 79.3



#27

1,2-Dichloroethane-d4

Concen: 28.850 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041544.D

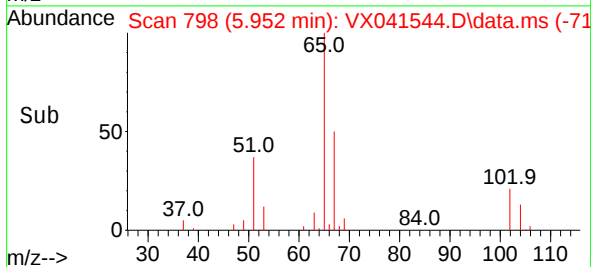
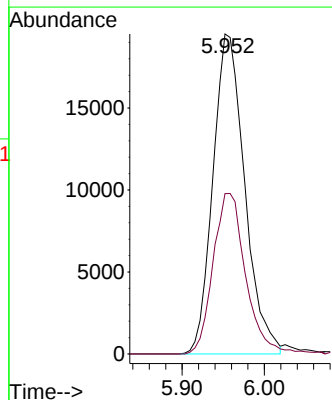
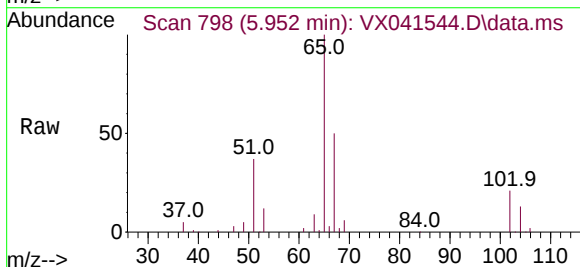
Acq: 15 May 2024 17:06

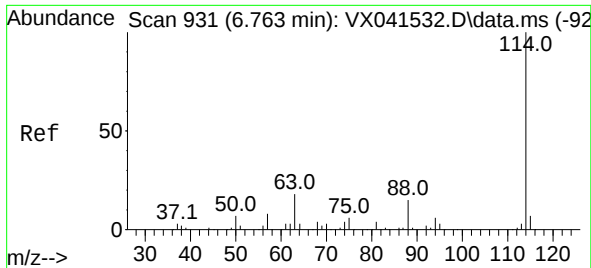
Tgt Ion: 65 Resp: 52388

Ion Ratio Lower Upper

65 100

67 51.1 40.8 61.2

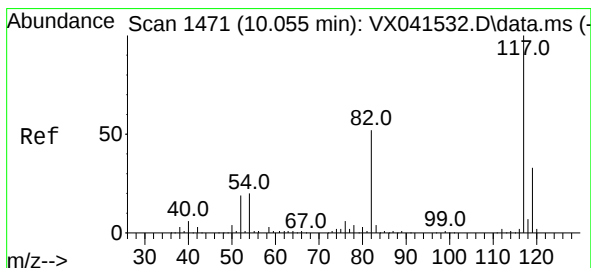
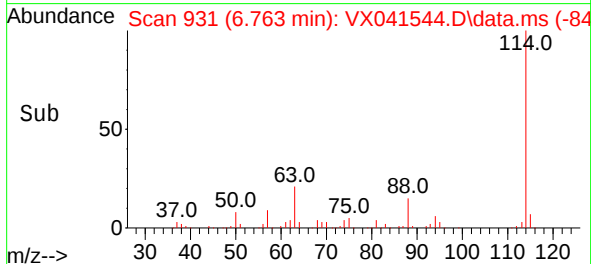
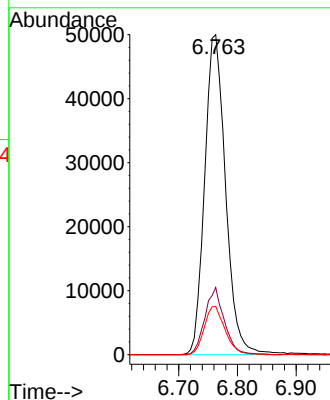
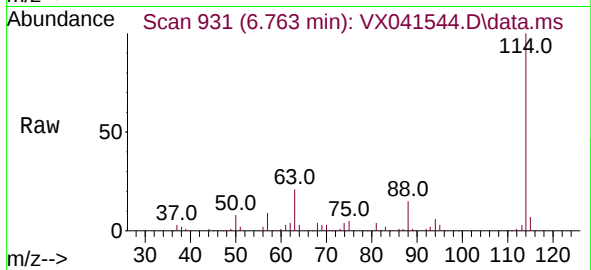




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX041544.D
Acq: 15 May 2024 17:06

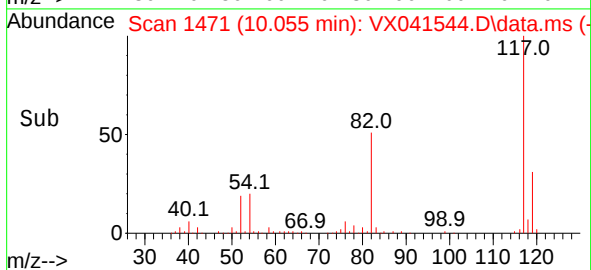
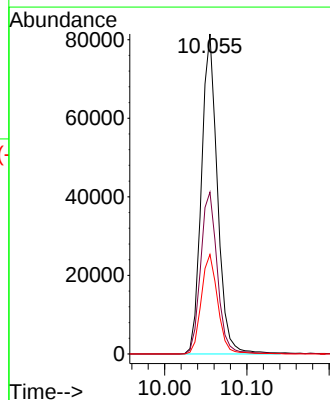
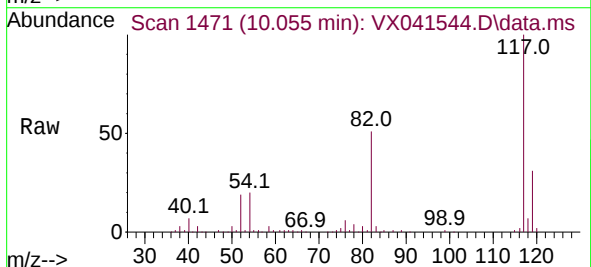
Instrument :
MSVOA_X
ClientSampleId :
240502002-05-TRIP-BLANK

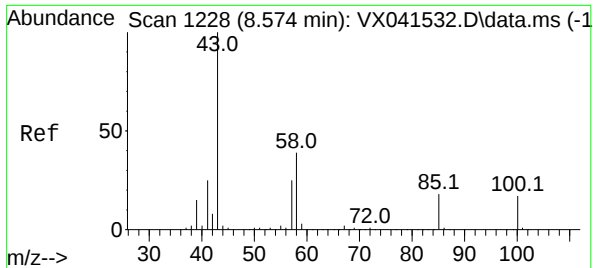
Tgt Ion:114 Resp: 123924
Ion Ratio Lower Upper
114 100
63 19.3 15.4 23.0
88 15.0 12.2 18.2



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041544.D
Acq: 15 May 2024 17:06

Tgt Ion:117 Resp: 110627
Ion Ratio Lower Upper
117 100
82 52.5 41.7 62.5
119 31.9 25.7 38.5

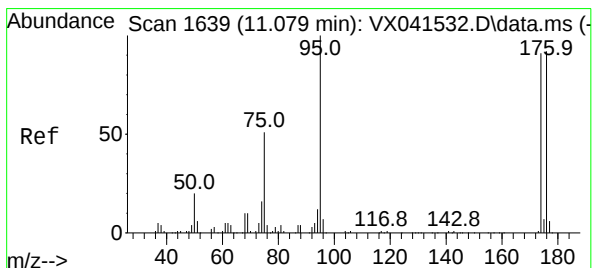
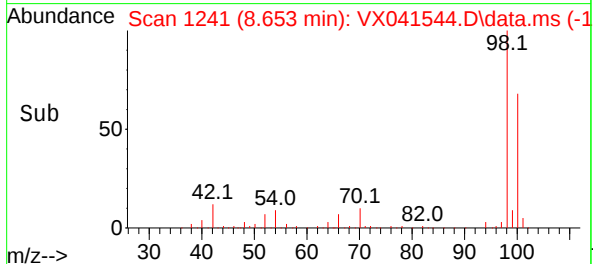
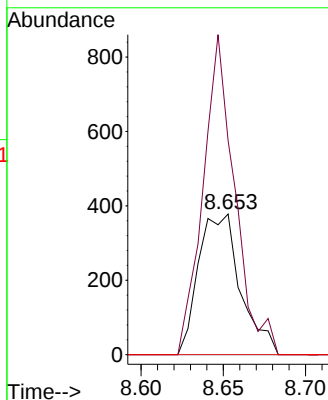
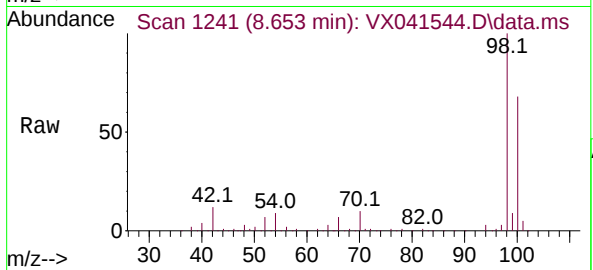




#58
 4-Methyl-2-Pentanone
 Concen: 0.332 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. 0.079 min
 Lab File: VX041544.D
 Acq: 15 May 2024 17:06

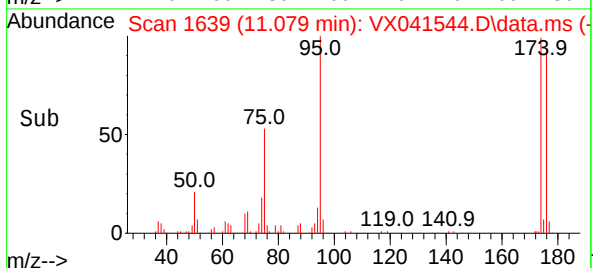
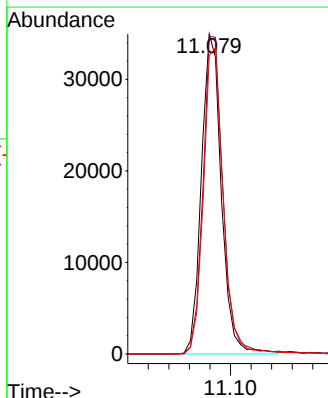
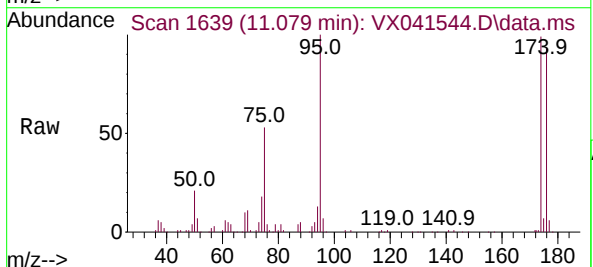
Instrument : MSVOA_X
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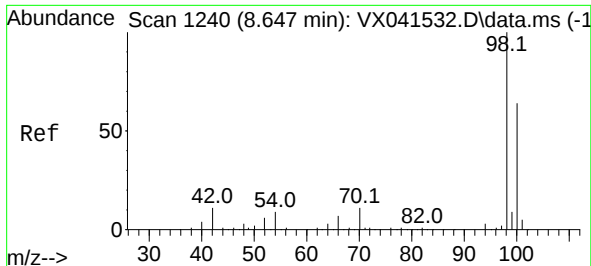
Tgt Ion:	43	Resp:	672
Ion	Ratio	Lower	Upper
43	100		
58	166.8	30.2	45.4#
85	0.0	14.6	21.8#



#60
 4-Bromofluorobenzene
 Concen: 27.255 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX041544.D
 Acq: 15 May 2024 17:06

Tgt Ion:	95	Resp:	47069
Ion	Ratio	Lower	Upper
95	100		
174	99.8	76.6	115.0
176	94.2	75.4	113.0





#63

Toluene-d8

Concen: 29.855 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041544.D

Acq: 15 May 2024 17:06

Instrument :

MSVOA_X

ClientSampleId :

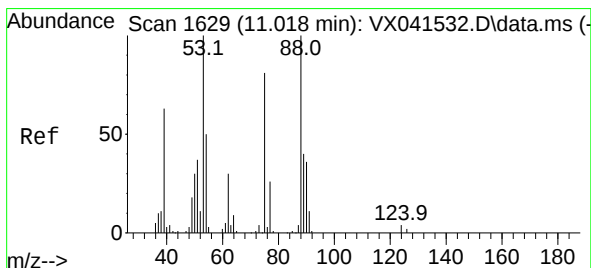
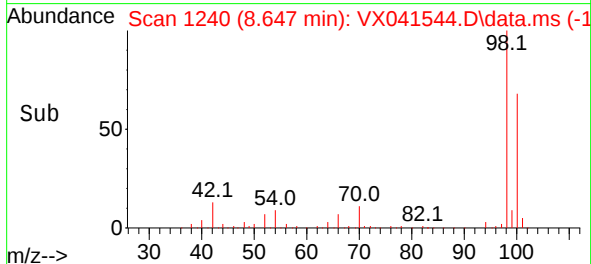
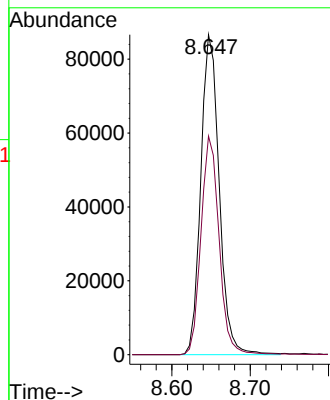
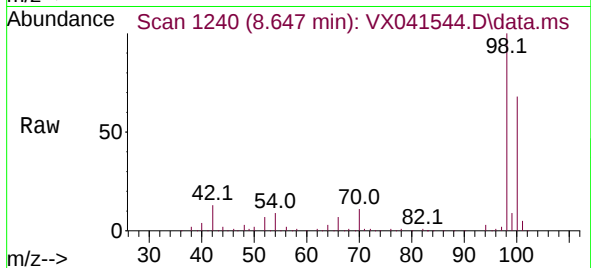
240502002-05-TRIP-BLANK

Tgt Ion: 98 Resp: 141574

Ion Ratio Lower Upper

98 100

100 67.1 53.1 79.7



#77

t-1,4-Dichloro-2-butene

Concen: 40.244 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041544.D

Acq: 15 May 2024 17:06

Tgt Ion: 75 Resp: 23825

Ion Ratio Lower Upper

75 100

53 0.0 61.8 185.3#

89 0.0 24.9 74.7#

