

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041570.D
 Acq On : 16 May 2024 17:47
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 17 02:42:28 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)

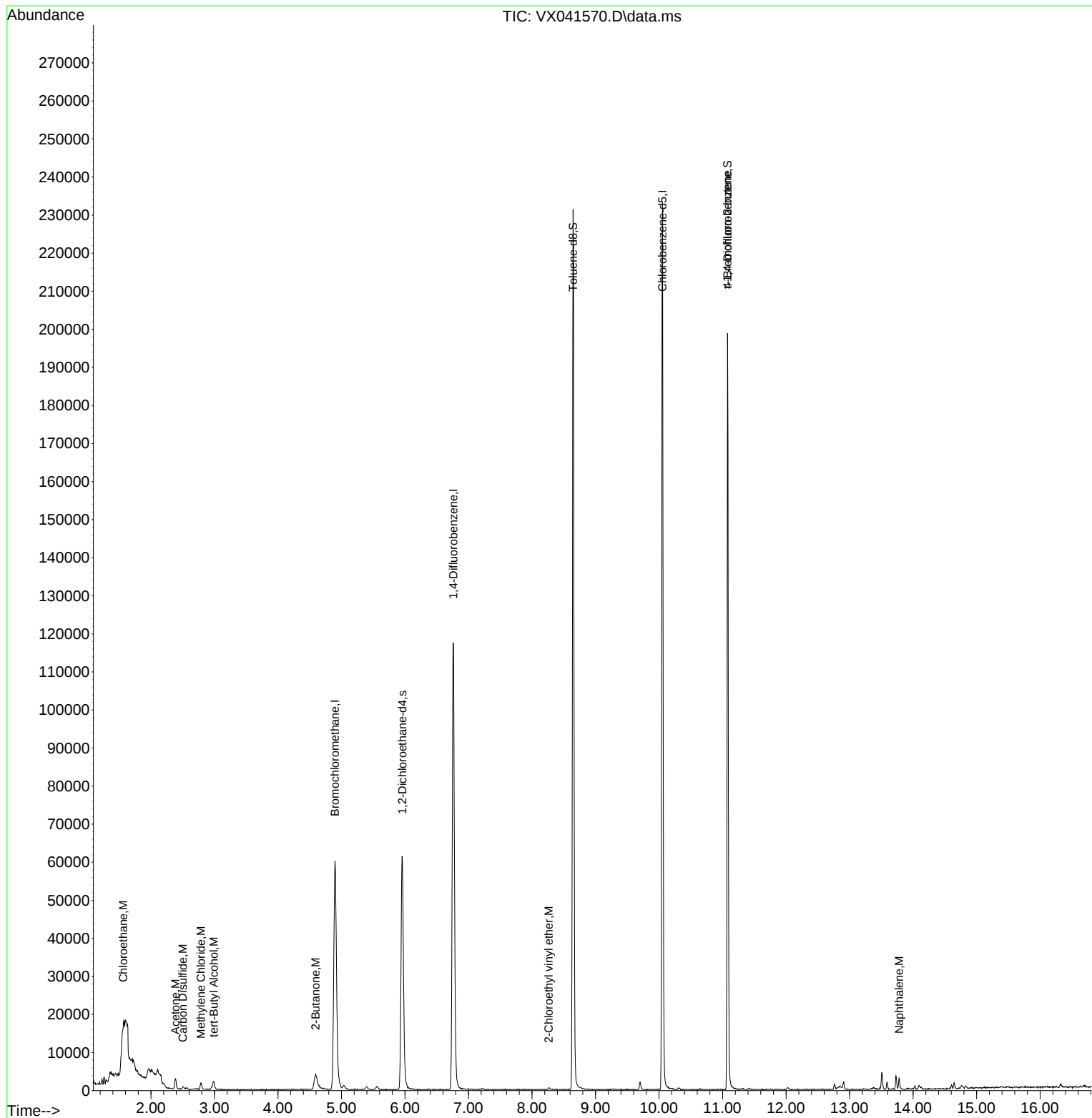
Internal Standards						
1) Bromochloromethane	4.897	128	27528	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	127340	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	113693	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	62355	28.764	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.867%
60) 4-Bromofluorobenzene	11.079	95	47330	26.667	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.900%
63) Toluene-d8	8.647	98	144723	29.696	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.000%
Target Compounds						
					Qvalue	
6) Chloroethane	1.563	64	1504	1.792	ug/l #	55
15) Acetone	2.386	58	907	3.630	ug/l	85
16) Carbon Disulfide	2.502	76	1124	0.353	ug/l #	92
18) Methylene Chloride	2.788	84	739	0.441	ug/l #	72
23) tert-Butyl Alcohol	2.989	59	2904	7.338	ug/l #	100
30) 2-Butanone	4.593	43	434	0.388	ug/l #	56
55) 2-Chloroethyl vinyl ether	8.263	63	219	0.202	ug/l #	43
77) t-1,4-Dichloro-2-butene	11.079	75	25256	41.511	ug/l #	1
91) Naphthalene	13.780	128	2288	0.339	ug/l #	93

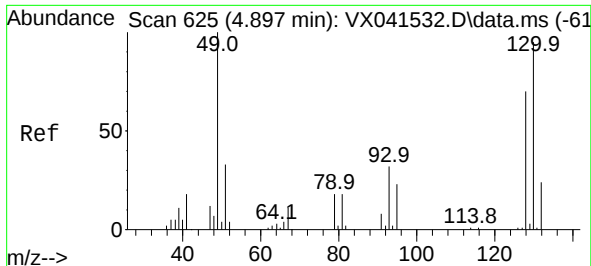
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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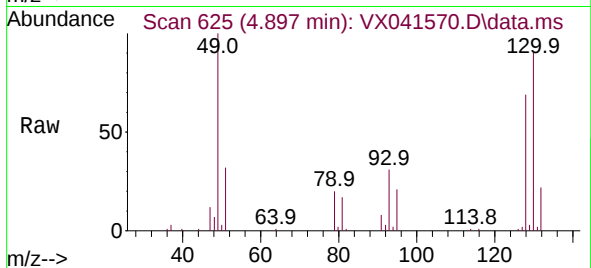
Quant Time: May 17 02:42:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
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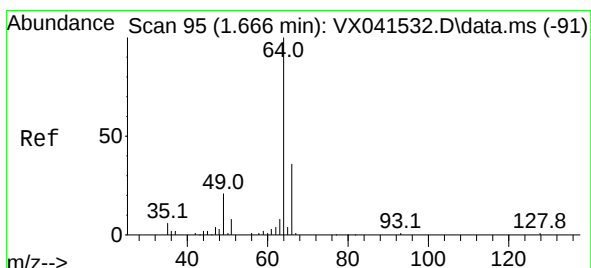
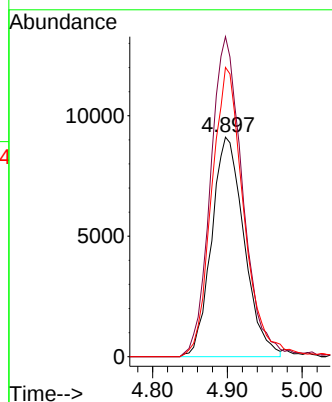
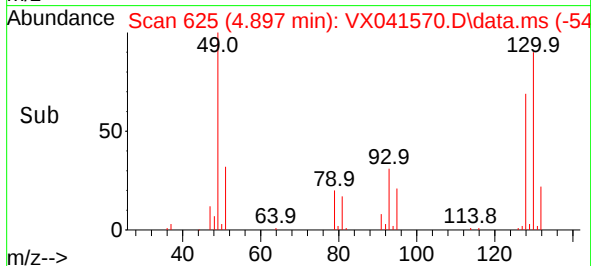


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041570.D
Acq: 16 May 2024 17:47

Instrument :
MSVOA_X
ClientSampleId :

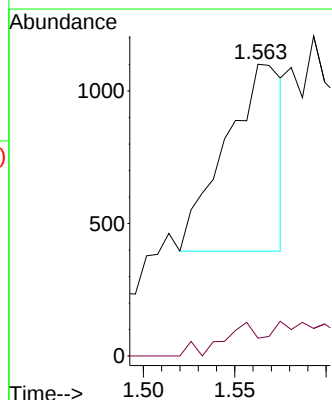
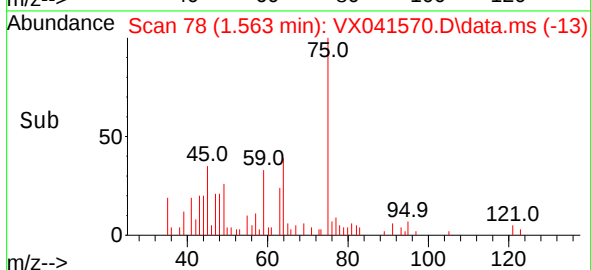
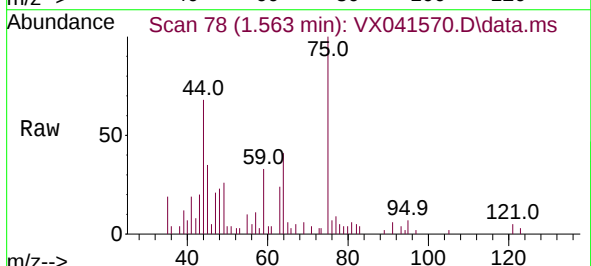


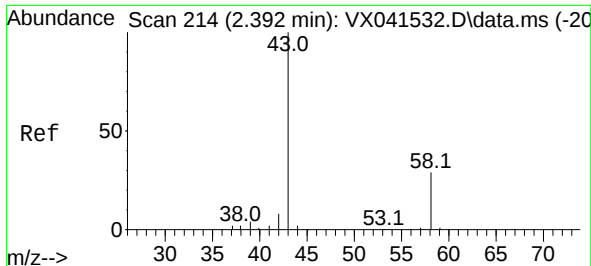
Tgt Ion:128 Resp: 27528
Ion Ratio Lower Upper
128 100
49 143.6 0.0 361.5
130 130.9 0.0 324.3



#6
Chloroethane
Concen: 1.792 ug/l
RT: 1.563 min Scan# 78
Delta R.T. -0.104 min
Lab File: VX041570.D
Acq: 16 May 2024 17:47

Tgt Ion: 64 Resp: 1504
Ion Ratio Lower Upper
64 100
66 9.5 28.6 42.8#





#15

Acetone

Concen: 3.630 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX041570.D

Acq: 16 May 2024 17:47

Instrument :

MSVOA_X

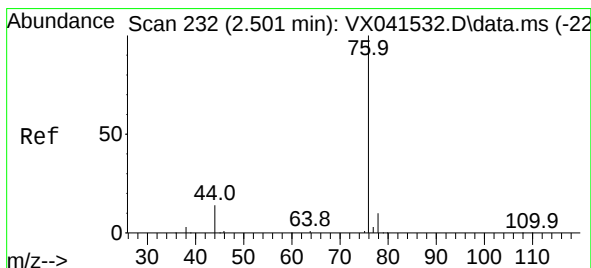
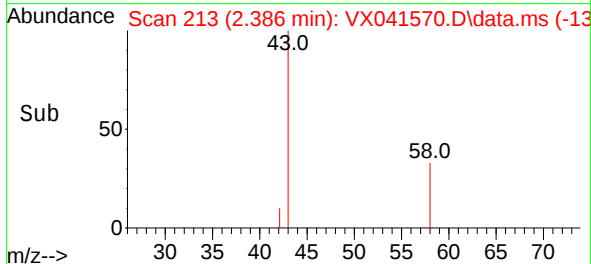
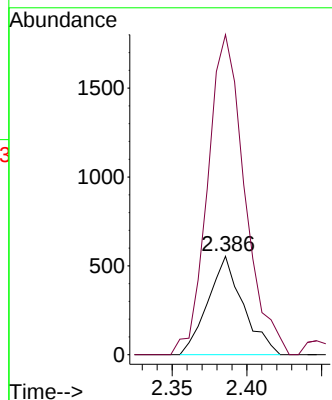
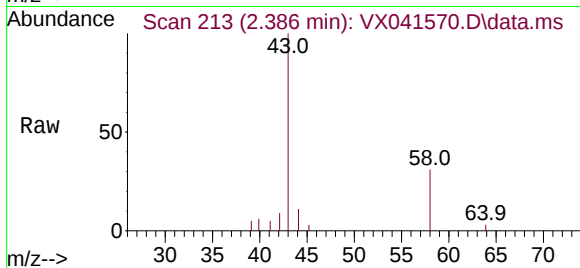
ClientSampleId :

Tgt Ion: 58 Resp: 907

Ion Ratio Lower Upper

58 100

43 309.4 274.0 411.0



#16

Carbon Disulfide

Concen: 0.353 ug/l

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX041570.D

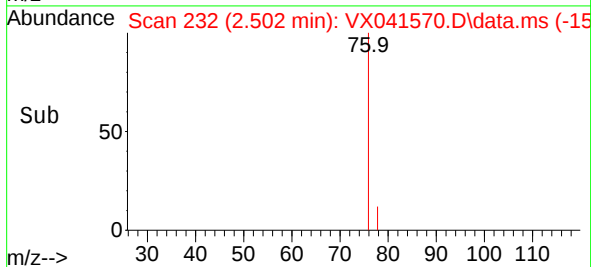
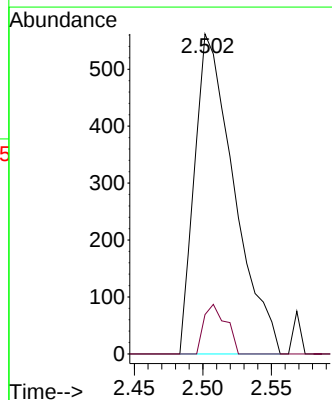
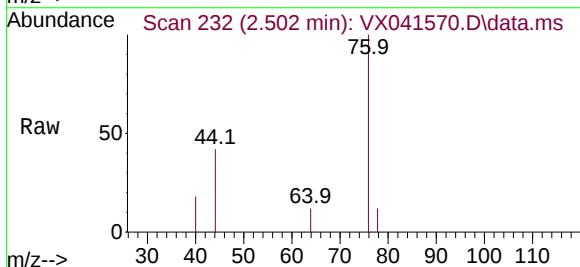
Acq: 16 May 2024 17:47

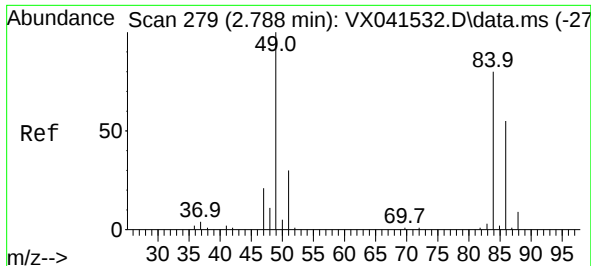
Tgt Ion: 76 Resp: 1124

Ion Ratio Lower Upper

76 100

78 12.3 7.6 11.4#





#18

Methylene Chloride

Concen: 0.441 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

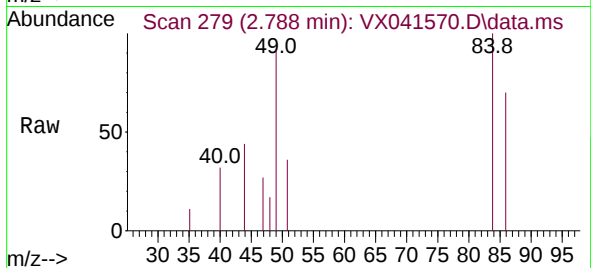
Lab File: VX041570.D

Acq: 16 May 2024 17:47

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 739

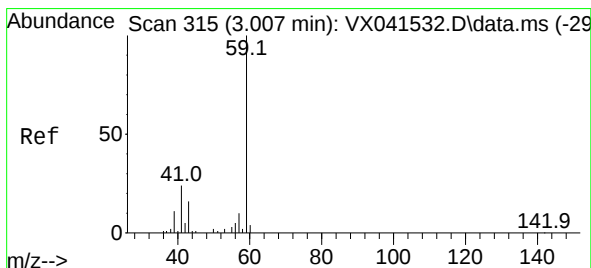
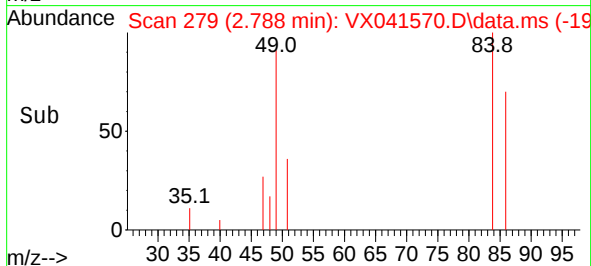
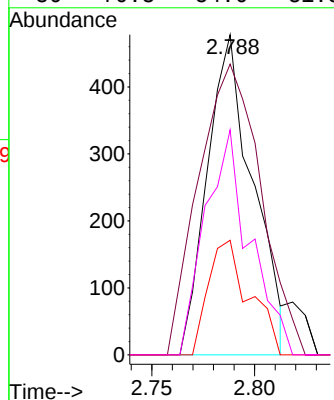
Ion Ratio Lower Upper

84 100

49 68.2 99.8 149.8#

51 35.8 30.2 45.4

86 70.3 54.6 81.8



#23

tert-Butyl Alcohol

Concen: 7.338 ug/l

RT: 2.989 min Scan# 312

Delta R.T. -0.018 min

Lab File: VX041570.D

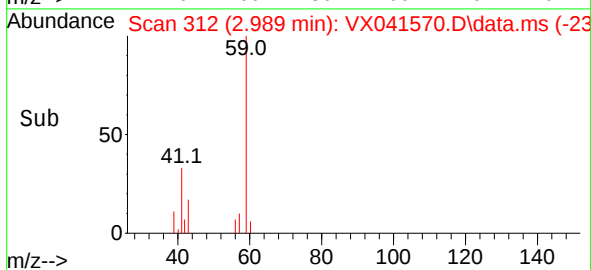
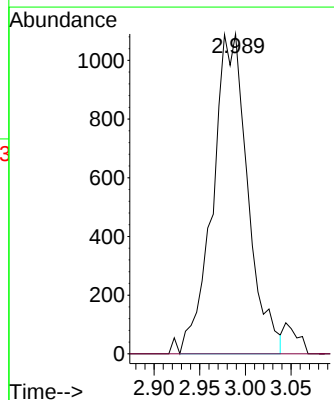
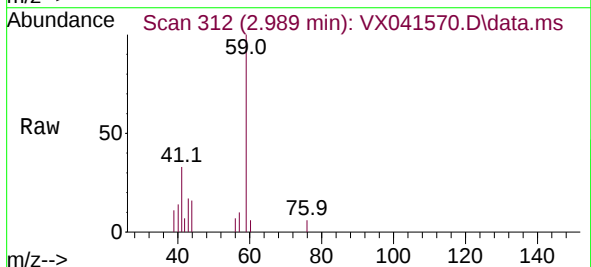
Acq: 16 May 2024 17:47

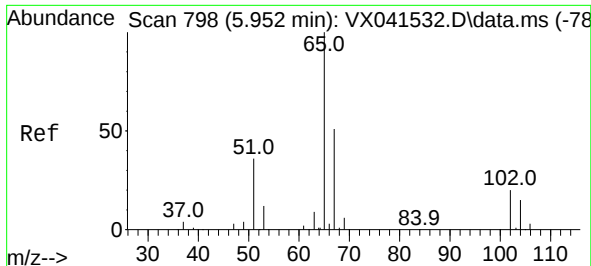
Tgt Ion: 59 Resp: 2904

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 28.764 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041570.D

Acq: 16 May 2024 17:47

Instrument :

MSVOA_X

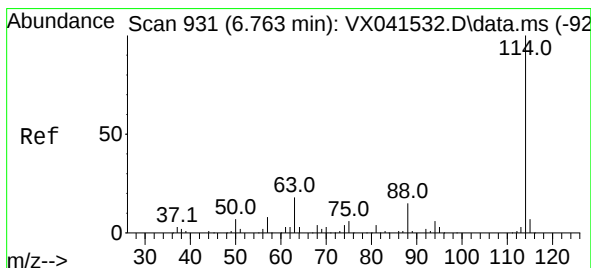
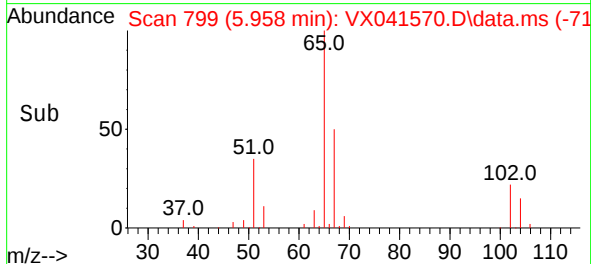
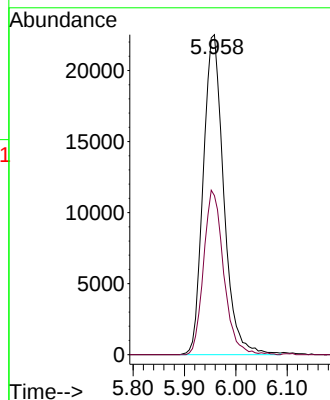
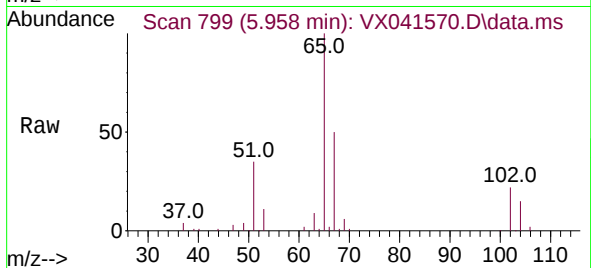
ClientSampleId :

Tgt Ion: 65 Resp: 62355

Ion Ratio Lower Upper

65 100

67 50.1 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: VX041570.D

Acq: 16 May 2024 17:47

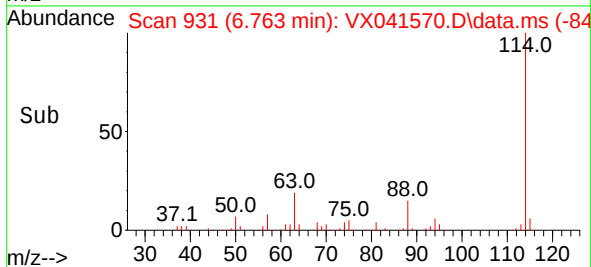
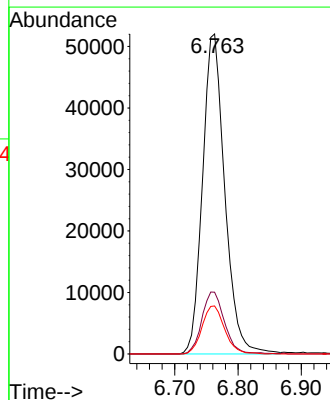
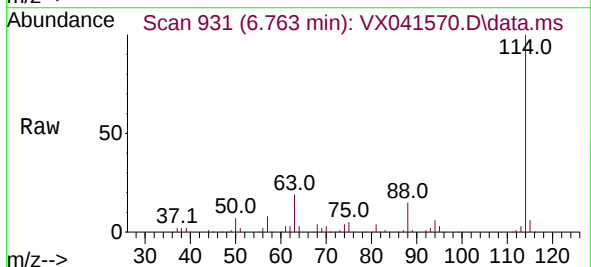
Tgt Ion: 114 Resp: 127340

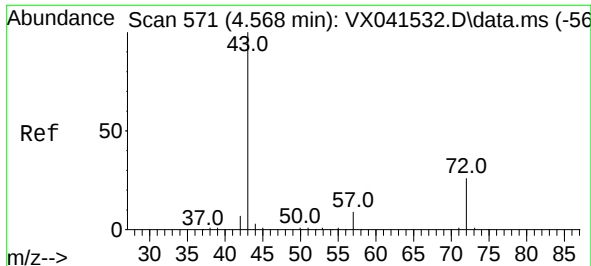
Ion Ratio Lower Upper

114 100

63 19.5 15.4 23.0

88 15.1 12.2 18.2





#30

2-Butanone

Concen: 0.388 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.024 min

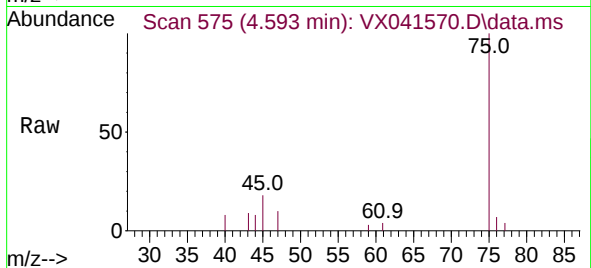
Lab File: VX041570.D

Acq: 16 May 2024 17:47

Instrument :

MSVOA_X

ClientSampleId :



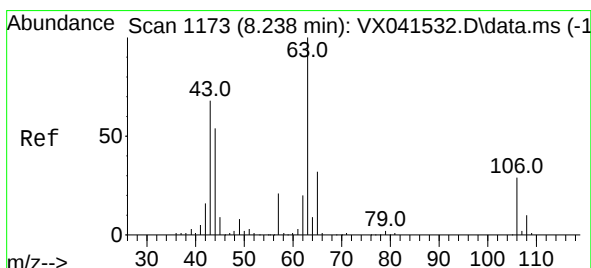
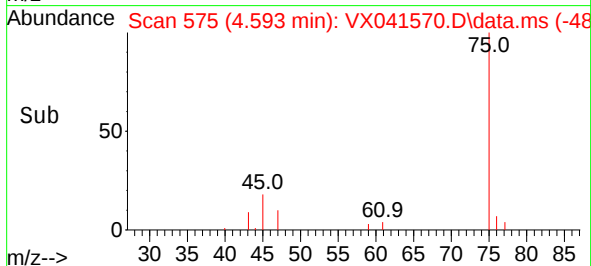
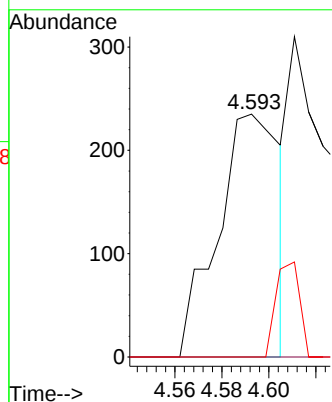
Tgt Ion: 43 Resp: 434

Ion Ratio Lower Upper

43 100

57 0.0 6.6 10.0#

72 0.0 20.7 31.1#



#55

2-Chloroethyl vinyl ether

Concen: 0.202 ug/l

RT: 8.263 min Scan# 1177

Delta R.T. 0.024 min

Lab File: VX041570.D

Acq: 16 May 2024 17:47

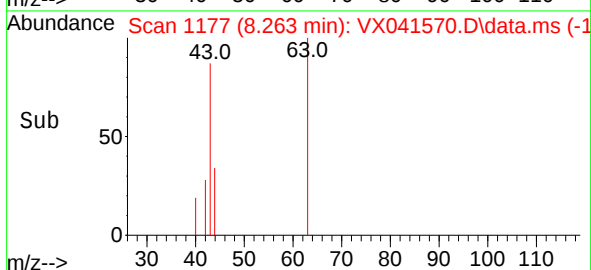
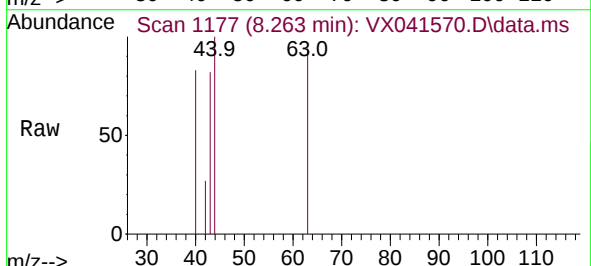
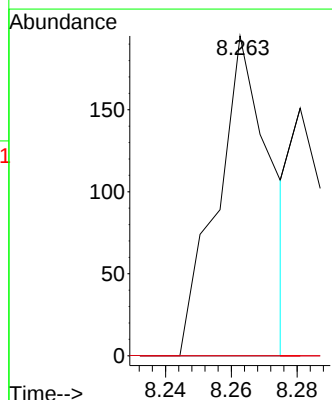
Tgt Ion: 63 Resp: 219

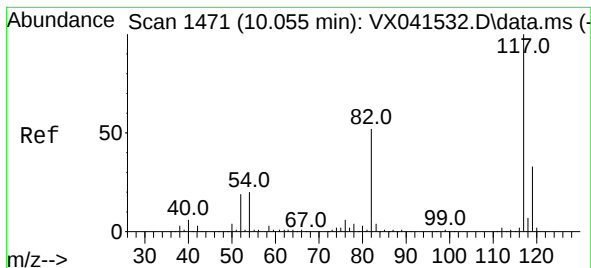
Ion Ratio Lower Upper

63 100

65 0.0 25.5 38.3#

106 0.0 24.7 37.1#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041570.D

Acq: 16 May 2024 17:47

Instrument :

MSVOA_X

ClientSampleId :

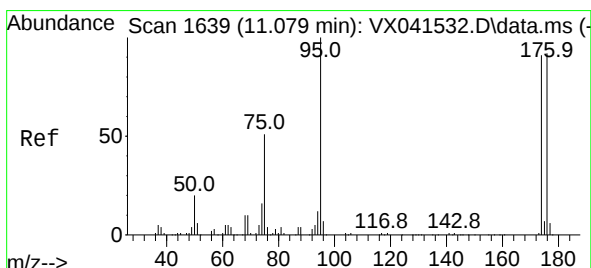
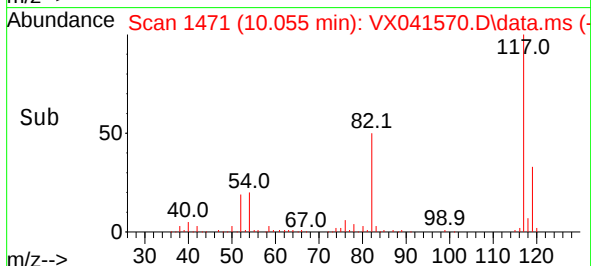
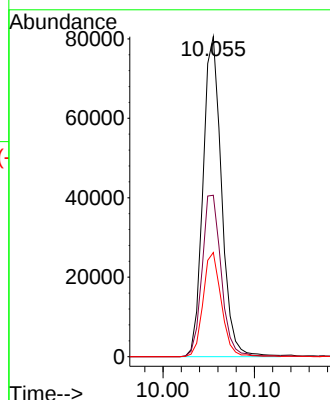
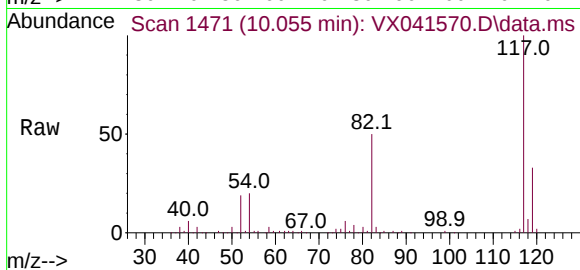
Tgt Ion:117 Resp: 113693

Ion Ratio Lower Upper

117 100

82 52.2 41.7 62.5

119 32.0 25.7 38.5



#60

4-Bromofluorobenzene

Concen: 26.667 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX041570.D

Acq: 16 May 2024 17:47

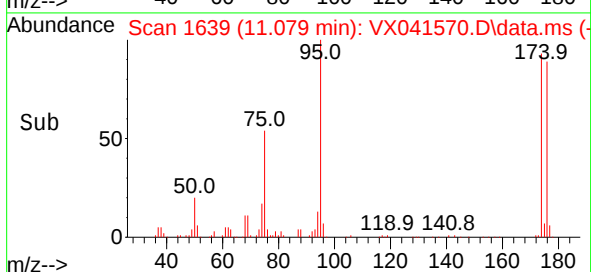
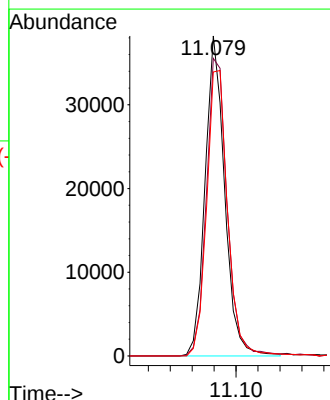
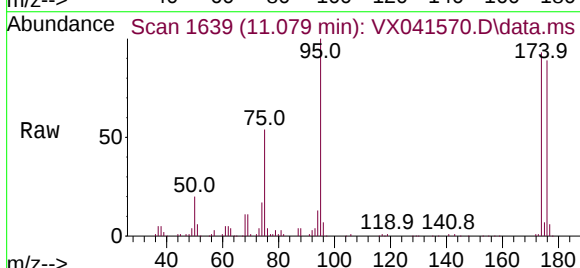
Tgt Ion: 95 Resp: 47330

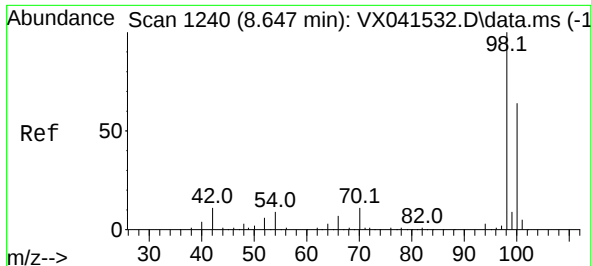
Ion Ratio Lower Upper

95 100

174 99.3 76.6 115.0

176 95.8 75.4 113.0

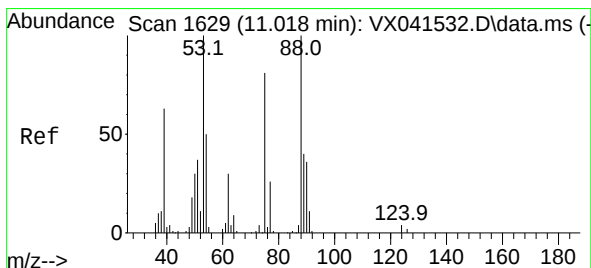
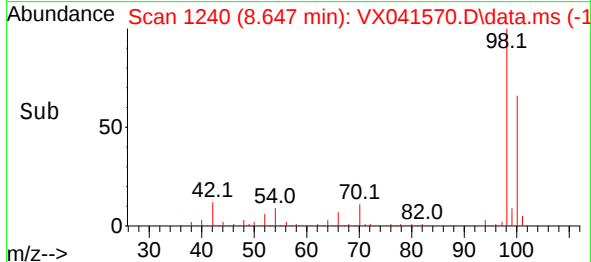
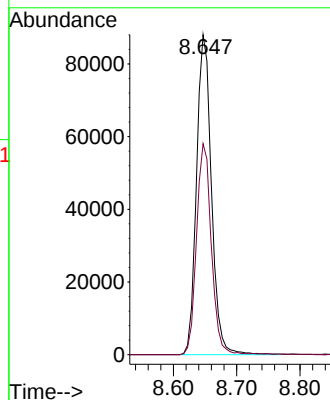
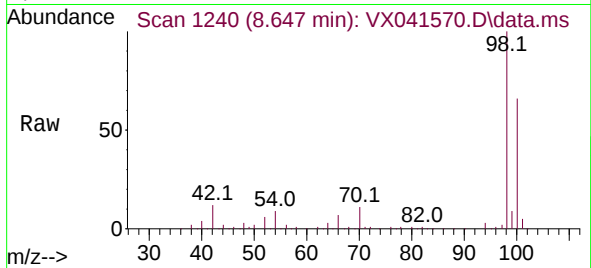




#63
Toluene-d8
Concen: 29.696 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041570.D
Acq: 16 May 2024 17:47

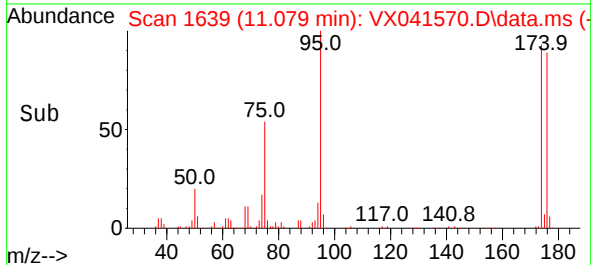
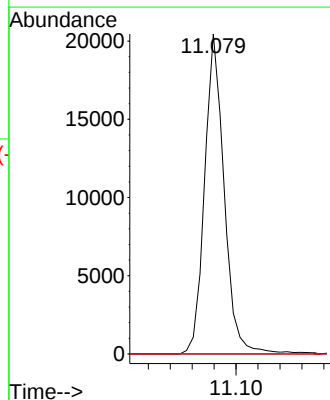
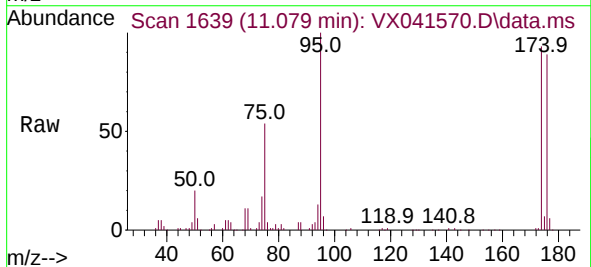
Instrument :
MSVOA_X
ClientSampleId :

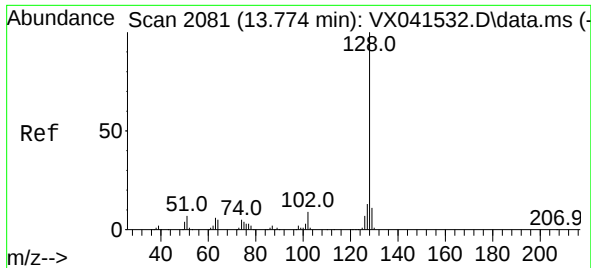
Tgt Ion: 98 Resp: 144723
Ion Ratio Lower Upper
98 100
100 65.3 53.1 79.7



#77
t-1,4-Dichloro-2-butene
Concen: 41.511 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041570.D
Acq: 16 May 2024 17:47

Tgt Ion: 75 Resp: 25256
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#





#91

Naphthalene

Concen: 0.339 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

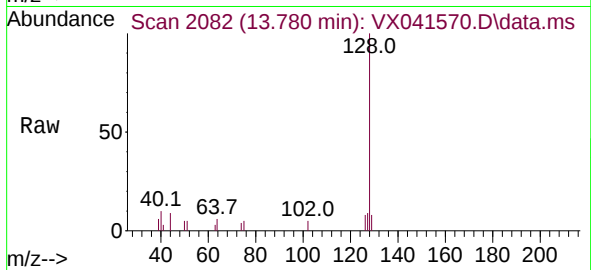
Lab File: VX041570.D

Acq: 16 May 2024 17:47

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 2288

Ion Ratio Lower Upper

128 100

127 8.7 10.6 16.0#

129 11.5 8.8 13.2

