

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
 Data File : VX041581.D
 Acq On : 21 May 2024 12:06
 Operator : JC/MD
 Sample : P2545-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240515002-16-TRIP-BLANK

Quant Time: May 22 02:53:18 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)

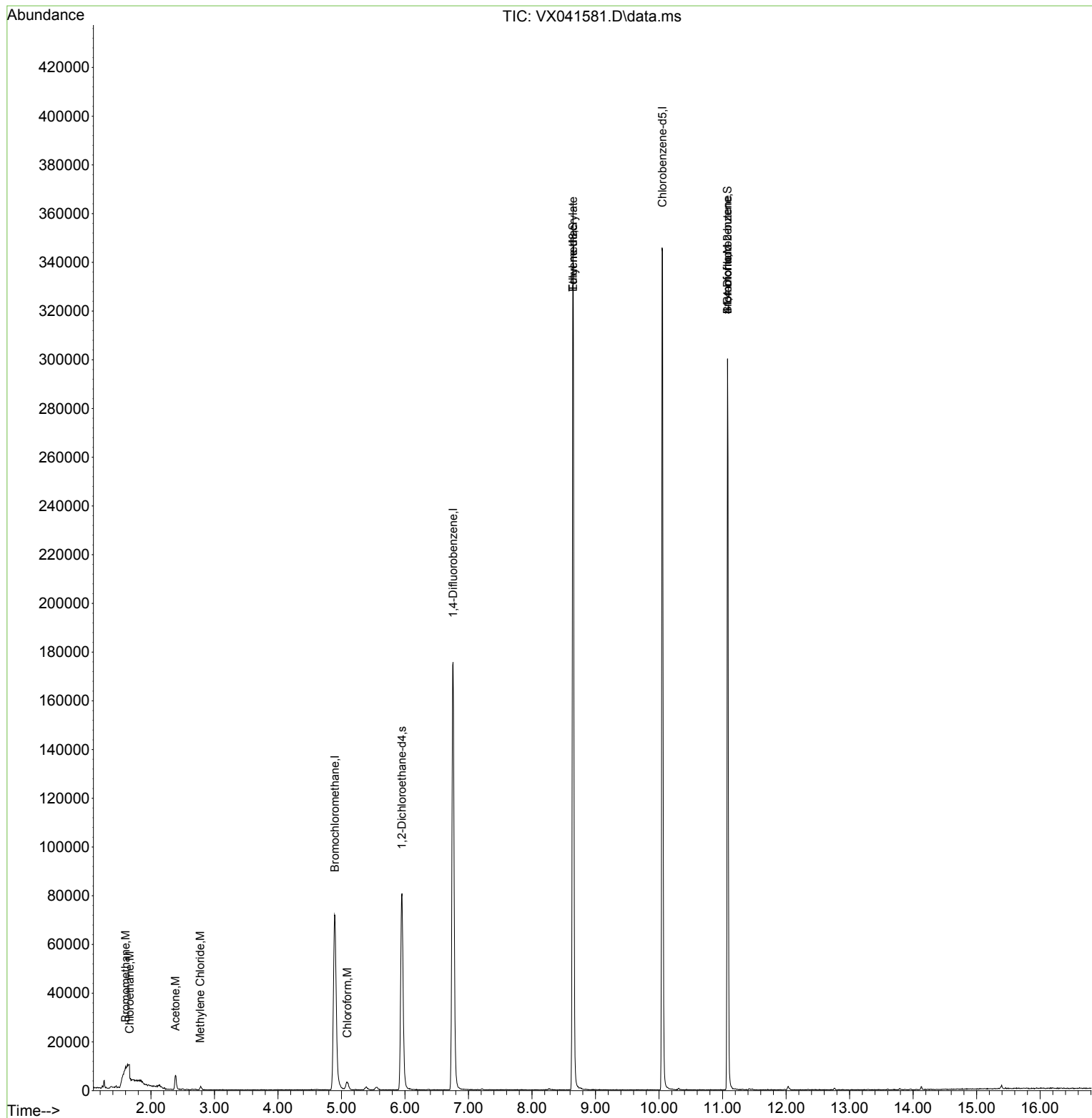
Internal Standards						
1) Bromochloromethane	4.897	128	34166	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	189439	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	170934	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	81387	30.249	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.833%
60) 4-Bromofluorobenzene	11.079	95	74127	27.780	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.600%
63) Toluene-d8	8.647	98	217946	29.745	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.133%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	409	0.312	ug/l	93
6) Chloroethane	1.666	64	256	0.246	ug/l #	39
15) Acetone	2.386	58	2002	6.455	ug/l	84
18) Methylene Chloride	2.776	84	587	0.282	ug/l #	60
25) Chloroform	5.093	83	4055	1.041	ug/l	96
51) Ethyl methacrylate	8.647	69	729	0.221	ug/l	88
56) Bromoform	11.079	173	539	0.289	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	37985	41.526	ug/l #	1

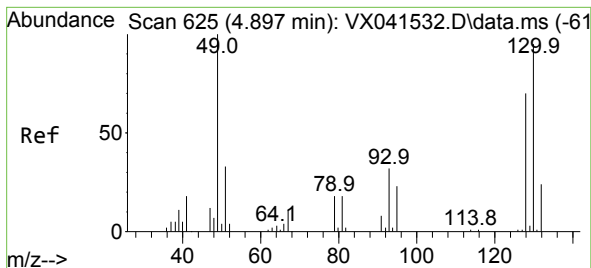
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX041581.D

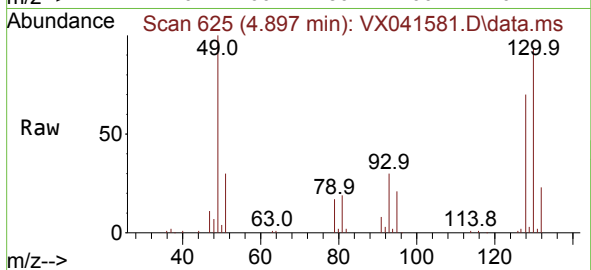
Acq: 21 May 2024 12:06

Instrument :

MSVOA_X

ClientSampleId :

240515002-16-TRIP-BLANK



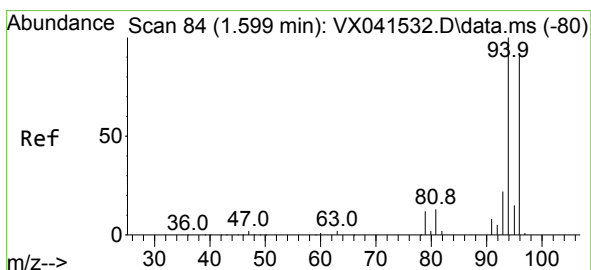
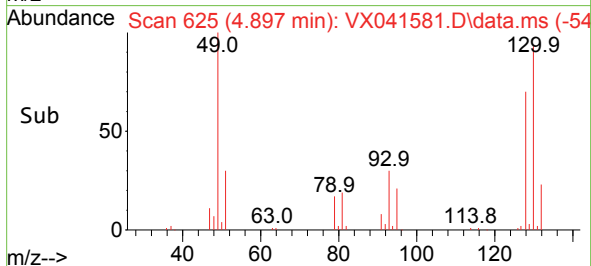
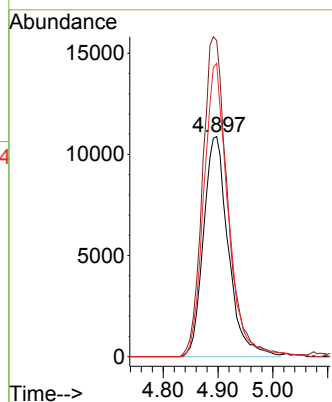
Tgt Ion:128 Resp: 34166

Ion Ratio Lower Upper

128 100

49 147.0 0.0 361.5

130 129.5 0.0 324.3



#5

Bromomethane

Concen: 0.312 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX041581.D

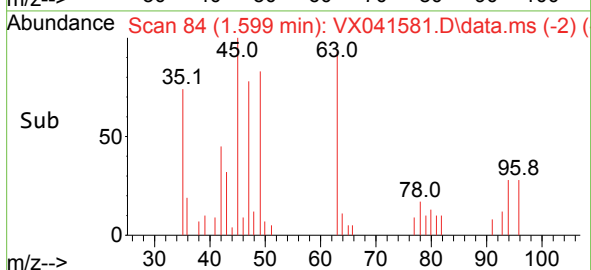
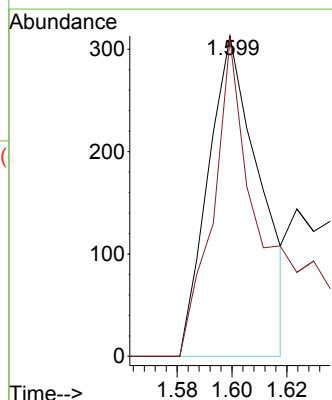
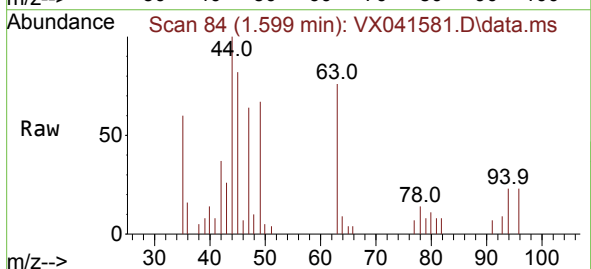
Acq: 21 May 2024 12:06

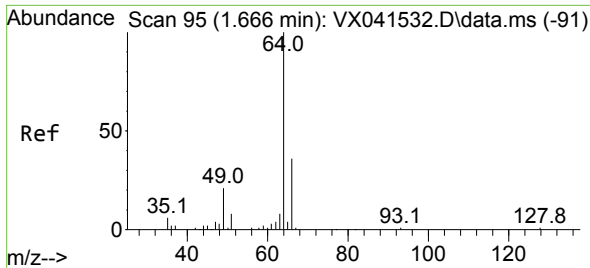
Tgt Ion: 94 Resp: 409

Ion Ratio Lower Upper

94 100

96 99.0 73.9 110.9

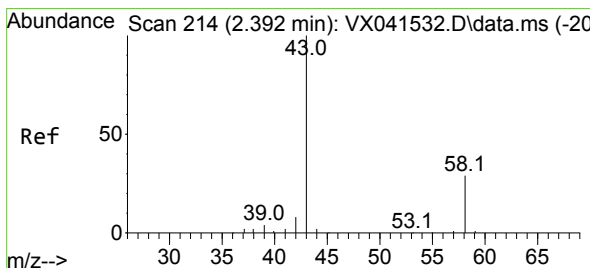
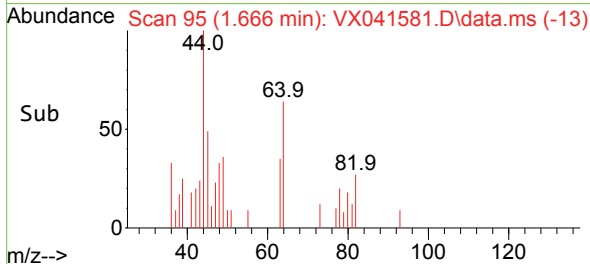
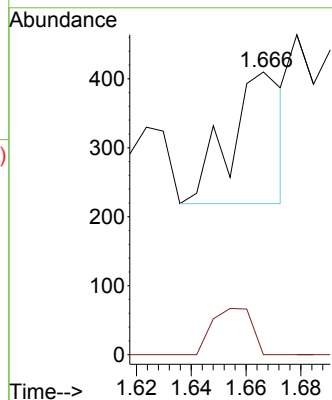
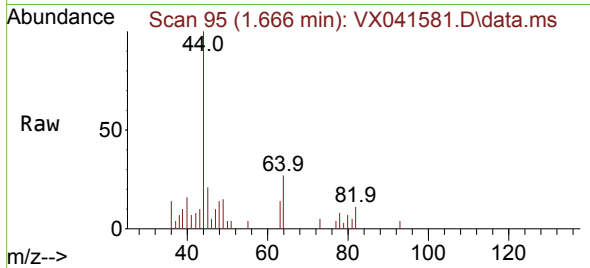




#6
Chloroethane
Concen: 0.246 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041581.D
Acq: 21 May 2024 12:06

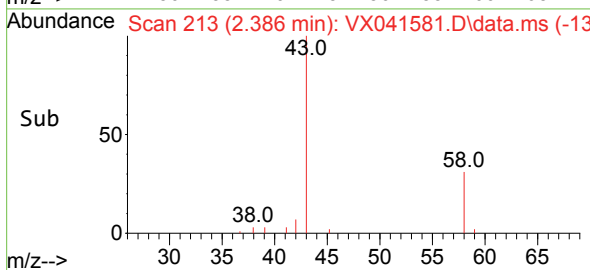
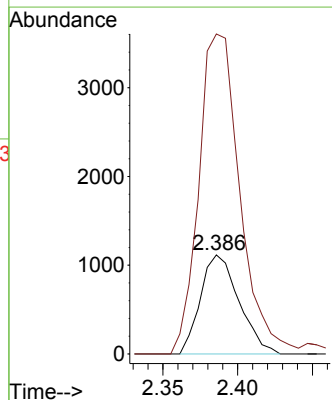
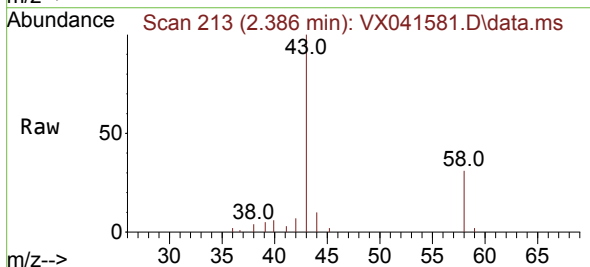
Instrument :
MSVOA_X
ClientSampleId :
240515002-16-TRIP-BLANK

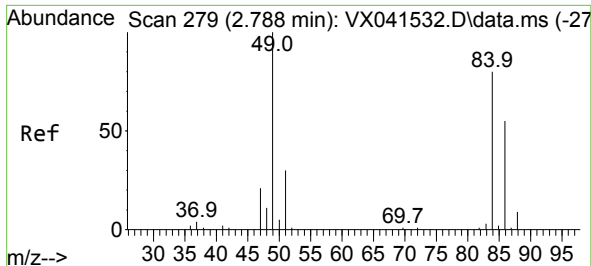
Tgt Ion: 64 Resp: 256
Ion Ratio Lower Upper
64 100
66 0.0 28.6 42.8#



#15
Acetone
Concen: 6.455 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX041581.D
Acq: 21 May 2024 12:06

Tgt Ion: 58 Resp: 2002
Ion Ratio Lower Upper
58 100
43 309.2 274.0 411.0

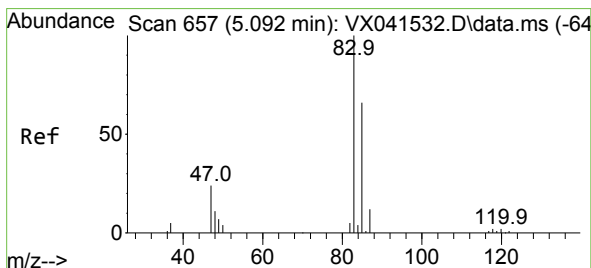
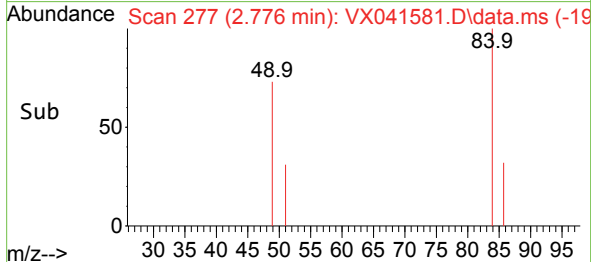
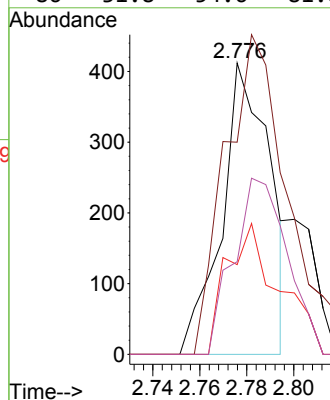
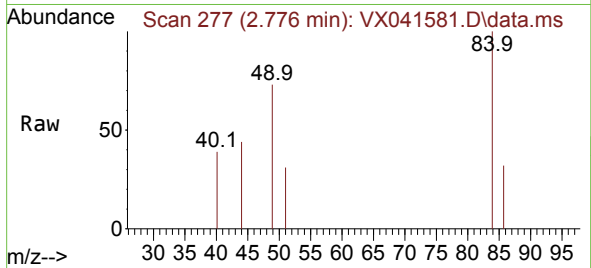




#18
Methylene Chloride
Concen: 0.282 ug/l
RT: 2.776 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX041581.D
Acq: 21 May 2024 12:06

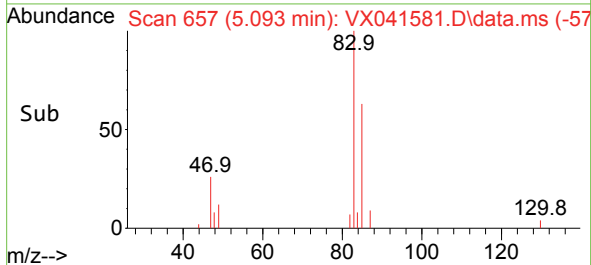
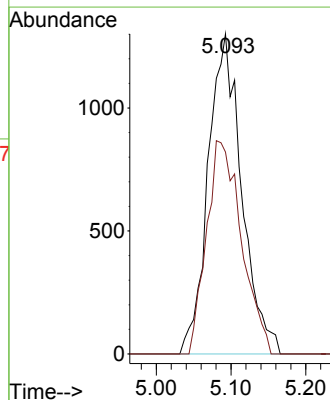
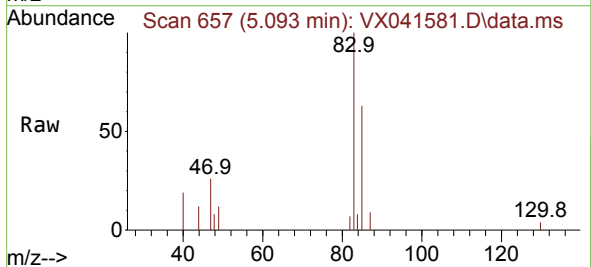
Instrument :
MSVOA_X
ClientSampleId :
240515002-16-TRIP-BLANK

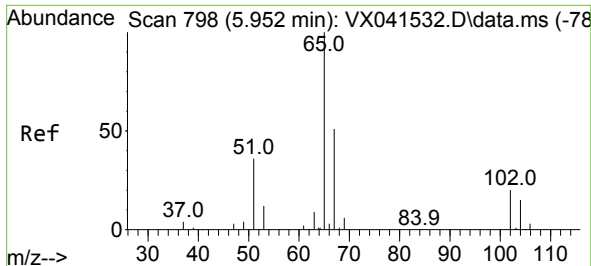
Tgt Ion: 84 Resp: 587
Ion Ratio Lower Upper
84 100
49 72.8 99.8 149.8#
51 30.8 30.2 45.4
86 31.8 54.6 81.8#



#25
Chloroform
Concen: 1.041 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX041581.D
Acq: 21 May 2024 12:06

Tgt Ion: 83 Resp: 4055
Ion Ratio Lower Upper
83 100
85 63.1 52.9 79.3





#27

1,2-Dichloroethane-d4

Concen: 30.249 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041581.D

Acq: 21 May 2024 12:06

Instrument :

MSVOA_X

ClientSampleId :

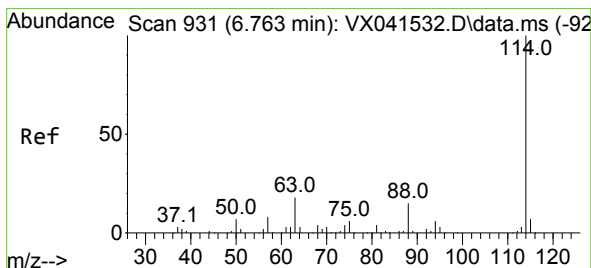
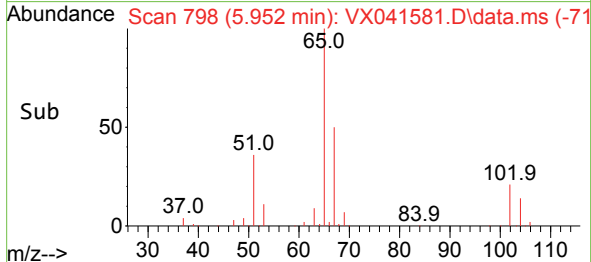
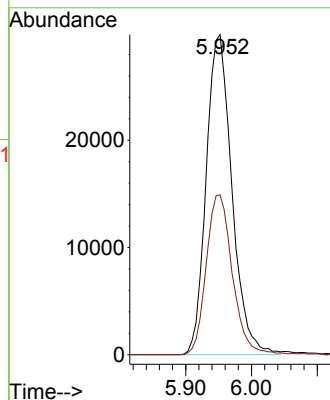
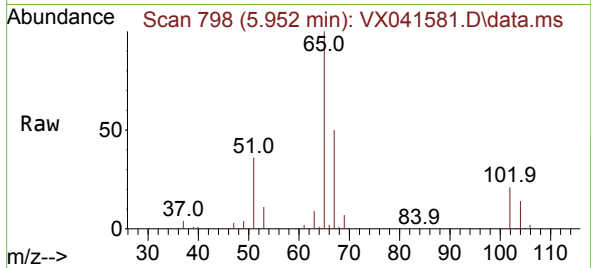
240515002-16-TRIP-BLANK

Tgt Ion: 65 Resp: 81387

Ion Ratio Lower Upper

65 100

67 50.4 40.8 61.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX041581.D

Acq: 21 May 2024 12:06

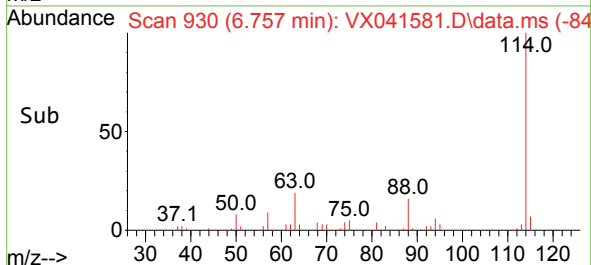
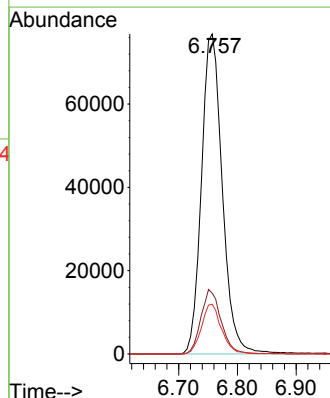
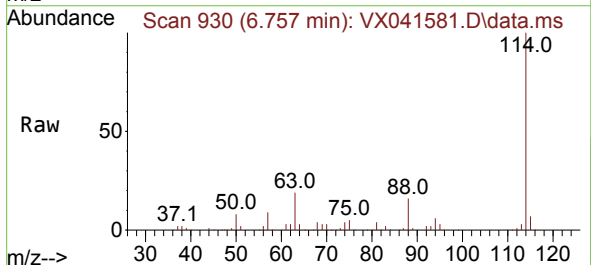
Tgt Ion: 114 Resp: 189439

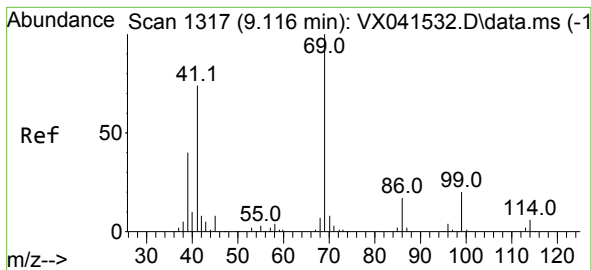
Ion Ratio Lower Upper

114 100

63 19.4 15.4 23.0

88 14.9 12.2 18.2





#51

Ethyl methacrylate

Concen: 0.221 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.469 min

Lab File: VX041581.D

Acq: 21 May 2024 12:06

Instrument :

MSVOA_X

ClientSampleId :

240515002-16-TRIP-BLANK

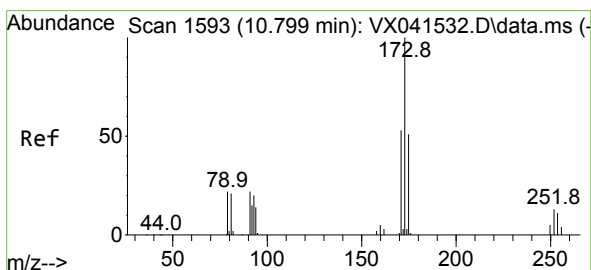
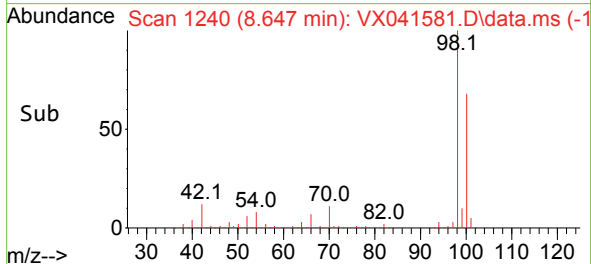
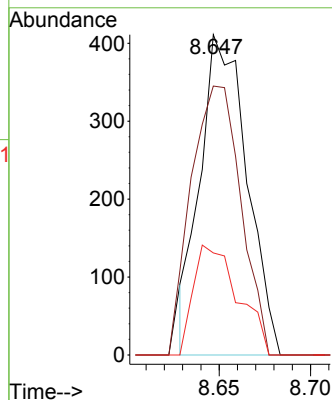
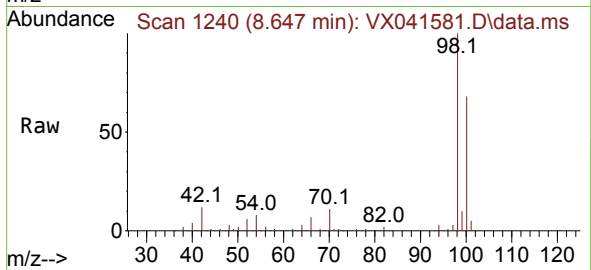
Tgt Ion: 69 Resp: 729

Ion Ratio Lower Upper

69 100

41 83.9 37.1 111.3

39 31.9 20.2 60.6



#56

Bromoform

Concen: 0.289 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.281 min

Lab File: VX041581.D

Acq: 21 May 2024 12:06

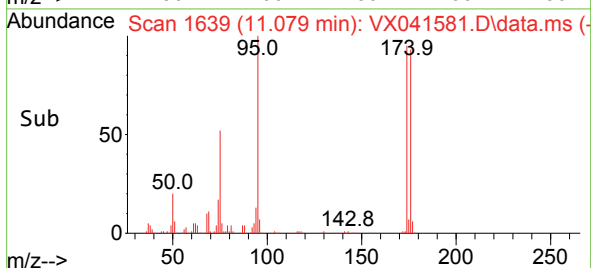
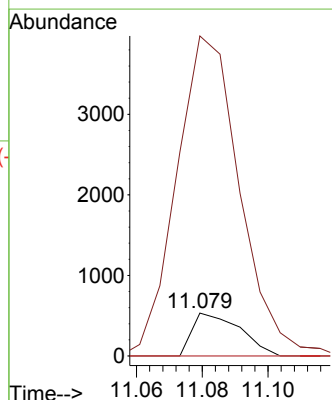
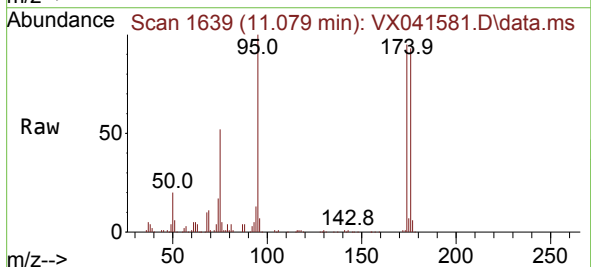
Tgt Ion: 173 Resp: 539

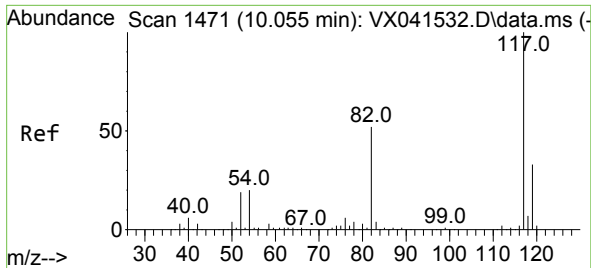
Ion Ratio Lower Upper

173 100

175 988.9 39.0 58.6#

254 0.0 10.3 15.5#

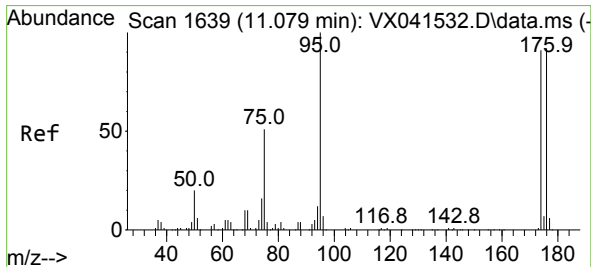
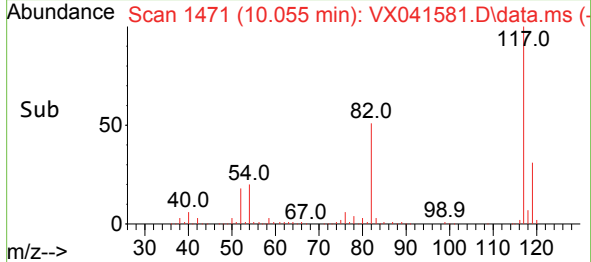
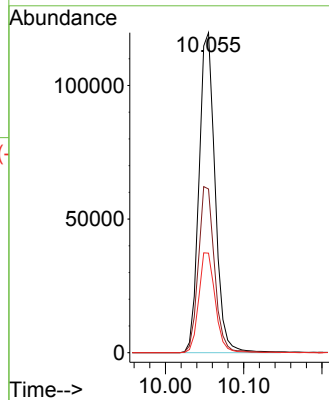
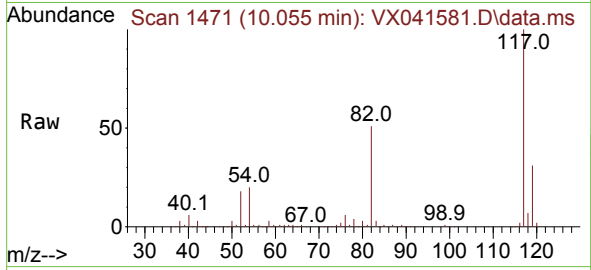




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041581.D
Acq: 21 May 2024 12:06

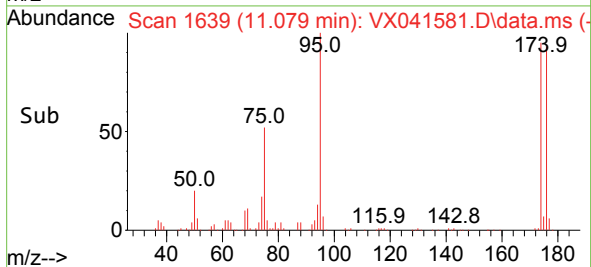
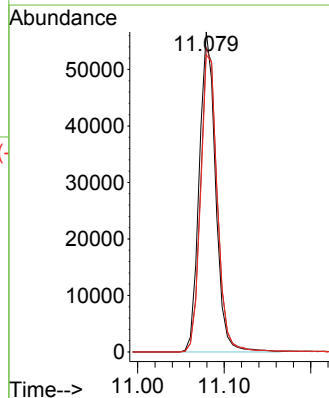
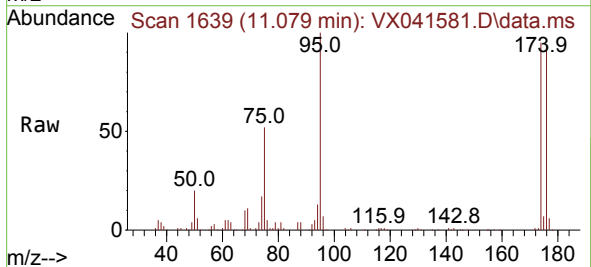
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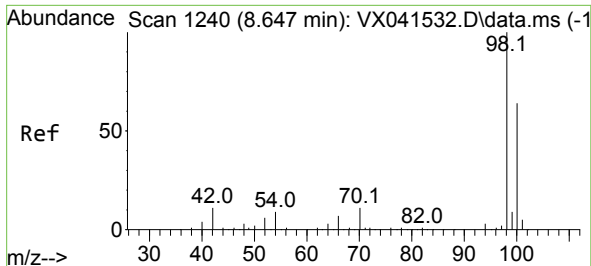
Tgt Ion:117 Resp: 170934
Ion Ratio Lower Upper
117 100
82 52.1 41.7 62.5
119 32.0 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 27.780 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041581.D
Acq: 21 May 2024 12:06

Tgt Ion: 95 Resp: 74127
Ion Ratio Lower Upper
95 100
174 96.7 76.6 115.0
176 94.7 75.4 113.0

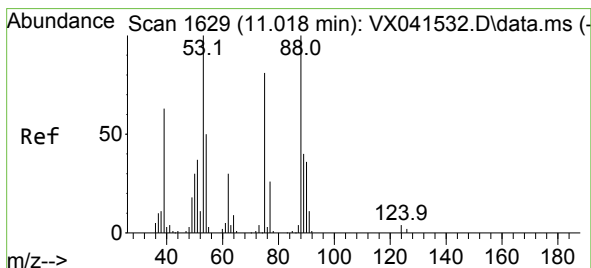
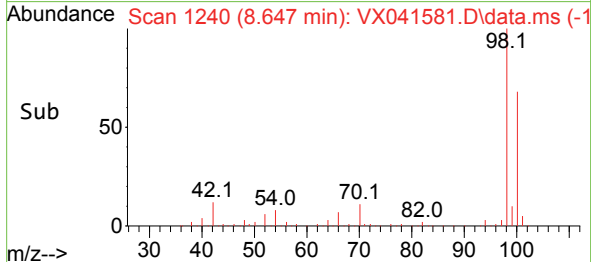
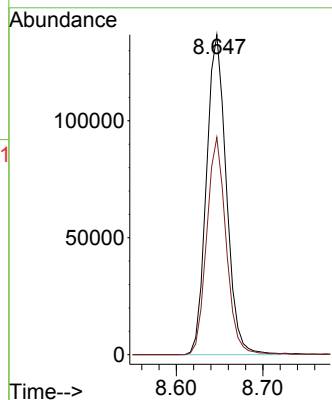
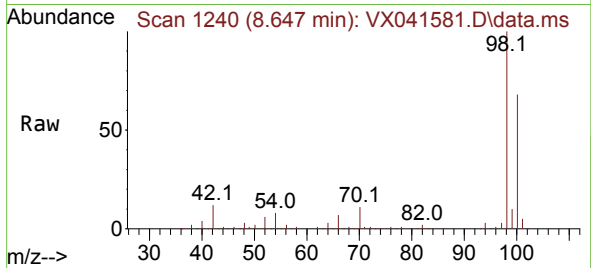




#63
Toluene-d8
Concen: 29.745 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041581.D
Acq: 21 May 2024 12:06

Instrument :
MSVOA_X
ClientSampleId :
240515002-16-TRIP-BLANK

Tgt Ion: 98 Resp: 217946
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#77
t-1,4-Dichloro-2-butene
Concen: 41.526 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041581.D
Acq: 21 May 2024 12:06

Tgt Ion: 75 Resp: 37985
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#

