

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
 Data File : VX041583.D
 Acq On : 21 May 2024 12:52
 Operator : JC/MD
 Sample : P2546-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240516027-01

Quant Time: May 22 02:53:56 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)

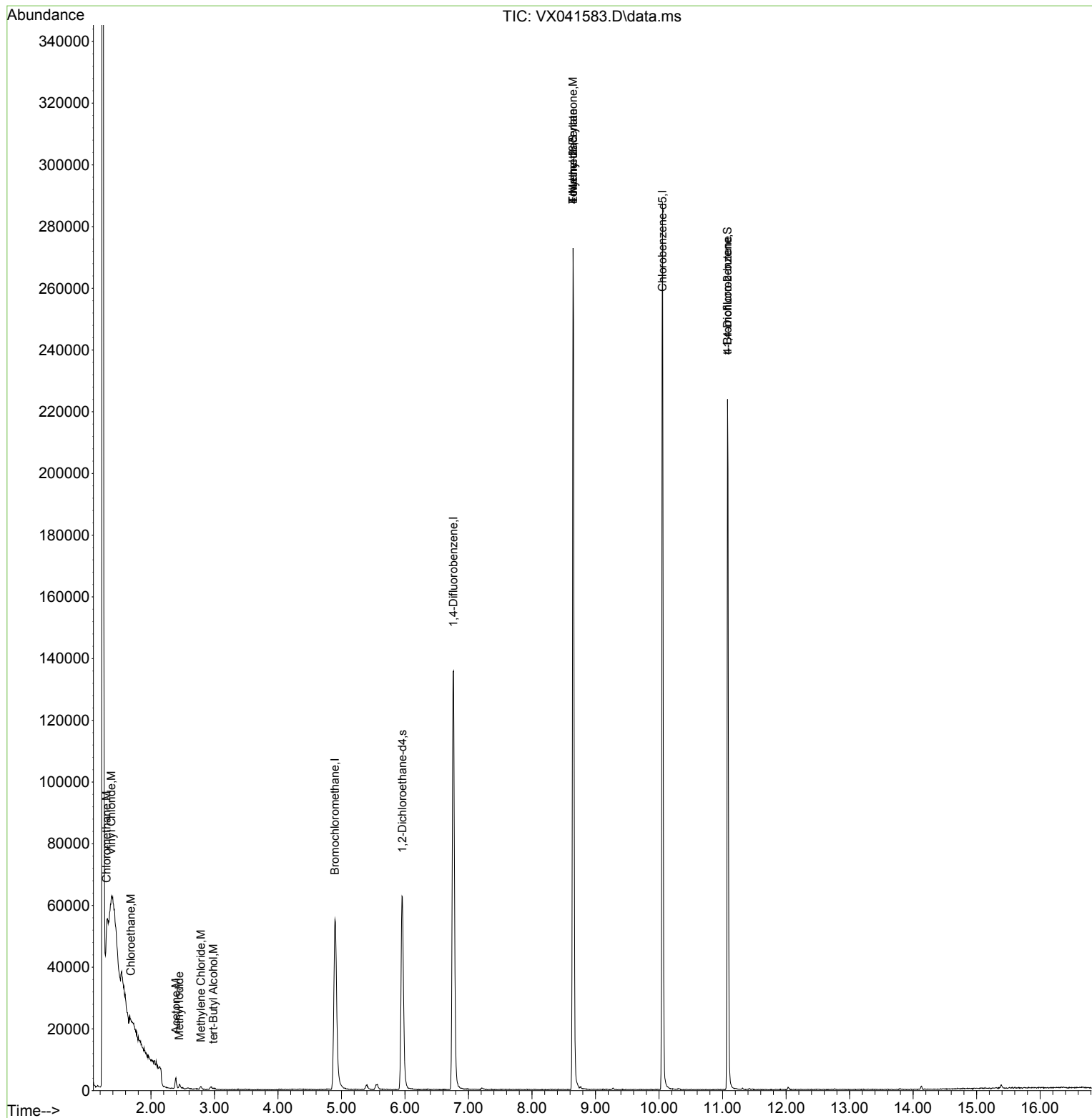
Internal Standards						
1) Bromochloromethane	4.897	128	26985	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	147499	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	133401	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	64117	30.172	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.567%
60) 4-Bromofluorobenzene	11.079	95	58523	28.102	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.667%
63) Toluene-d8	8.647	98	168407	29.450	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.167%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	719	0.465	ug/l #	80
4) Vinyl Chloride	1.374	62	399	0.245	ug/l #	1
6) Chloroethane	1.684	64	11136	13.536	ug/l #	43
11) Methyl Iodide	2.446	142	1671	1.016	ug/l	87
15) Acetone	2.392	58	1090	4.450	ug/l #	66
18) Methylene Chloride	2.788	84	538	0.328	ug/l #	75
23) tert-Butyl Alcohol	2.983	59	175	0.451	ug/l #	100
51) Ethyl methacrylate	8.647	69	531	0.207	ug/l	92
58) 4-Methyl-2-Pentanone	8.647	43	781	0.320	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	29476	41.290	ug/l #	1

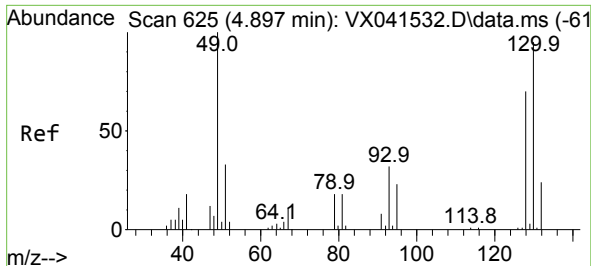
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
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MSVOA_X
ClientSampleId :
240516027-01

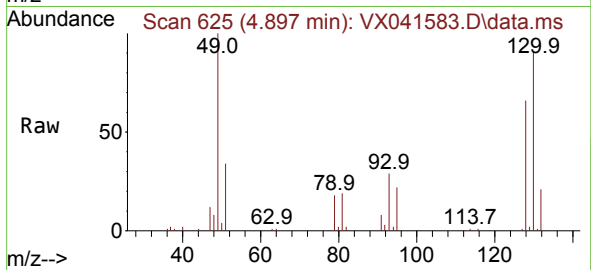
Quant Time: May 22 02:53:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
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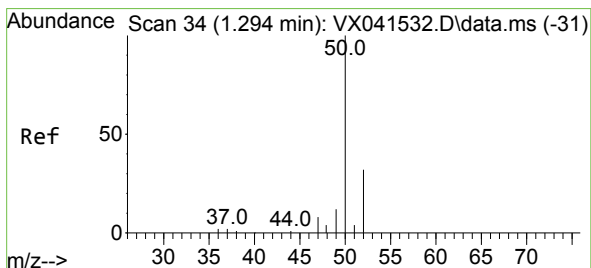
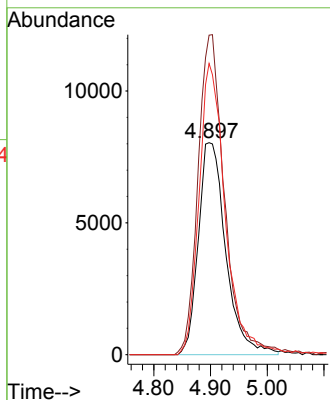
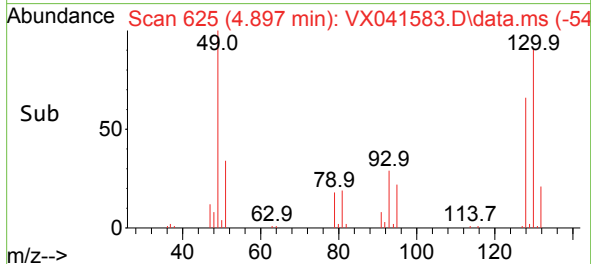


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041583.D
Acq: 21 May 2024 12:52

Instrument :
MSVOA_X
ClientSampleId :
240516027-01

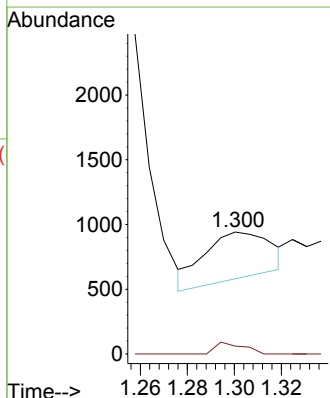
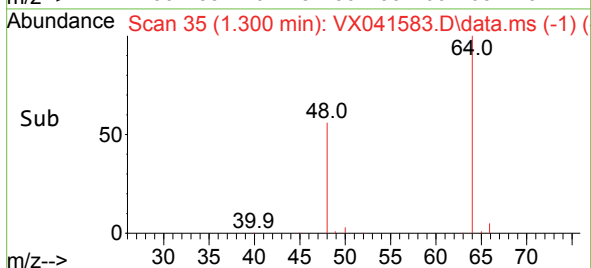
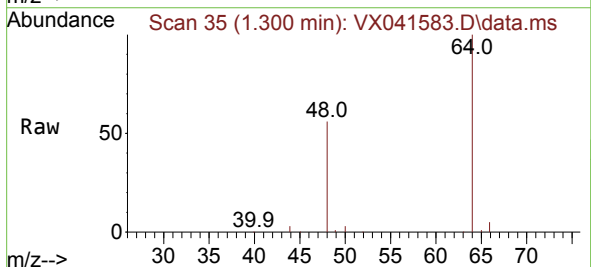


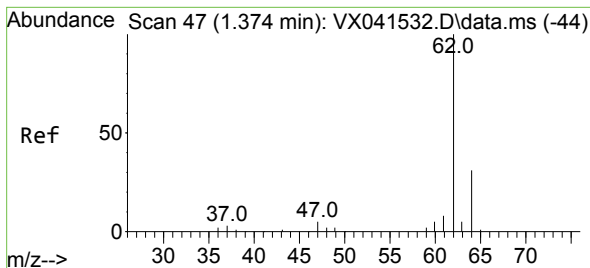
Tgt Ion:128 Resp: 26985
Ion Ratio Lower Upper
128 100
49 146.0 0.0 361.5
130 127.6 0.0 324.3



#3
Chloromethane
Concen: 0.465 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX041583.D
Acq: 21 May 2024 12:52

Tgt Ion: 50 Resp: 719
Ion Ratio Lower Upper
50 100
52 21.1 25.8 38.8#





#4

Vinyl Chloride

Concen: 0.245 ug/l

RT: 1.374 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX041583.D

Acq: 21 May 2024 12:52

Instrument :

MSVOA_X

ClientSampleId :

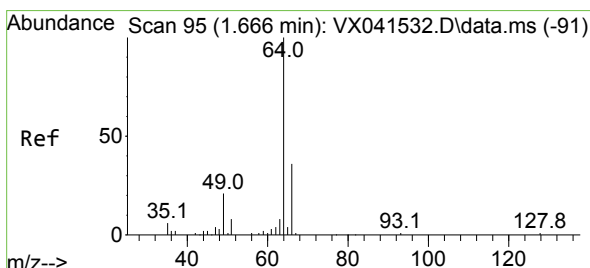
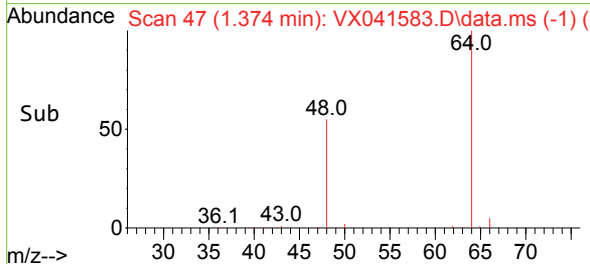
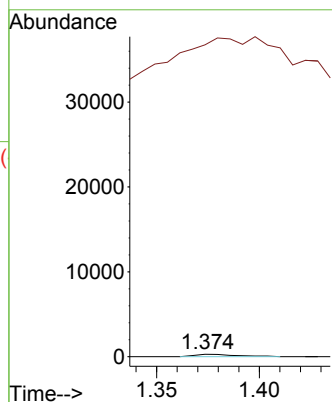
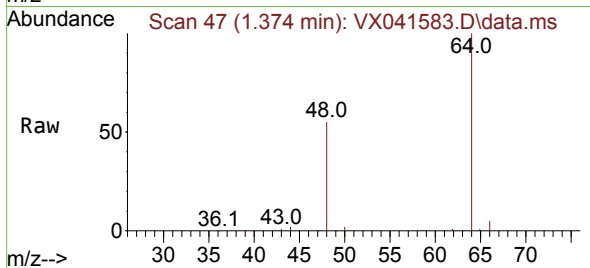
240516027-01

Tgt Ion: 62 Resp: 399

Ion Ratio Lower Upper

62 100

64 343.3 24.6 37.0#



#6

Chloroethane

Concen: 13.536 ug/l

RT: 1.684 min Scan# 98

Delta R.T. 0.018 min

Lab File: VX041583.D

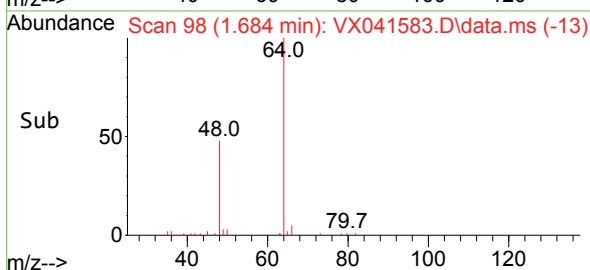
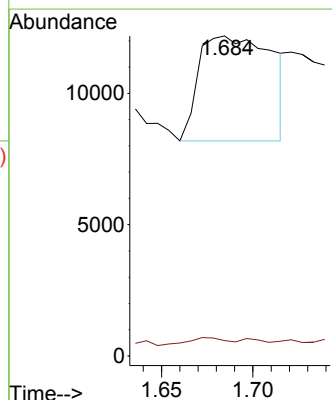
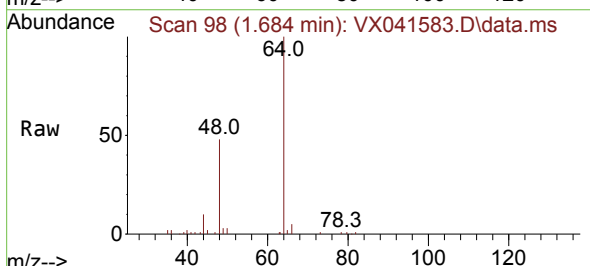
Acq: 21 May 2024 12:52

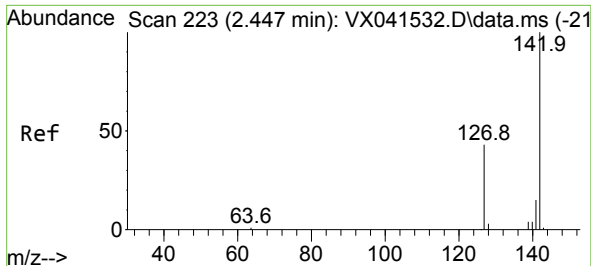
Tgt Ion: 64 Resp: 11136

Ion Ratio Lower Upper

64 100

66 2.3 28.6 42.8#





#11

Methyl Iodide

Concen: 1.016 ug/l

RT: 2.446 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX041583.D

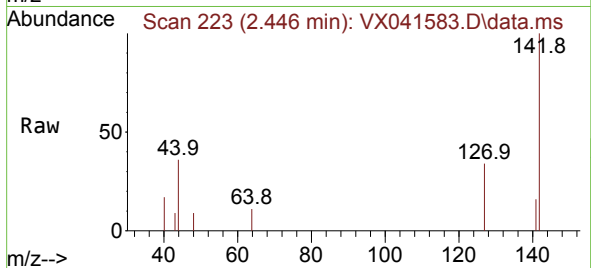
Acq: 21 May 2024 12:52

Instrument :

MSVOA_X

ClientSampleId :

240516027-01



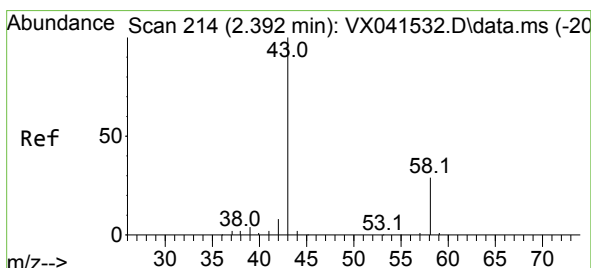
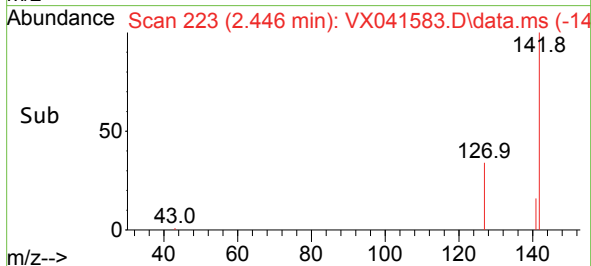
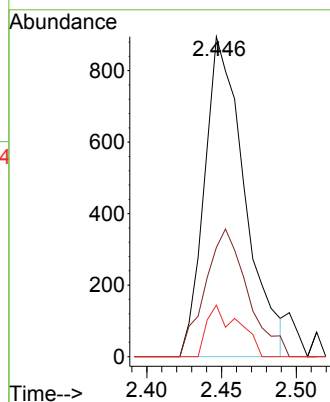
Tgt Ion:142 Resp: 1671

Ion Ratio Lower Upper

142 100

127 32.8 21.4 64.2

141 17.1 7.6 22.8



#15

Acetone

Concen: 4.450 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX041583.D

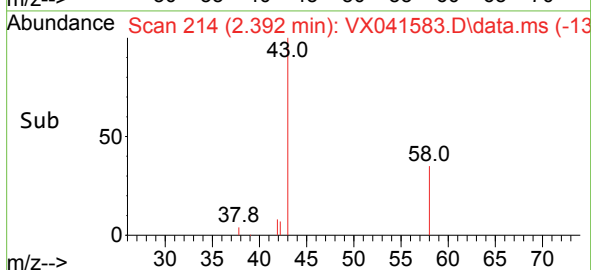
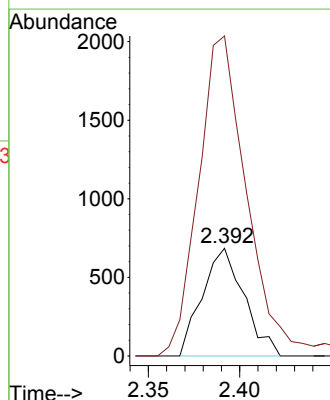
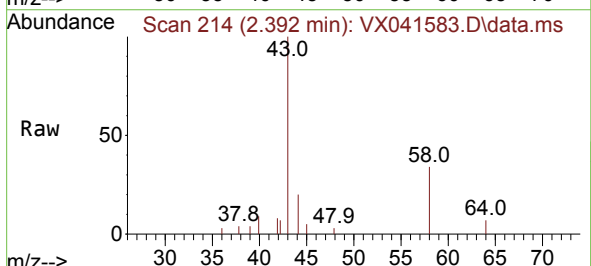
Acq: 21 May 2024 12:52

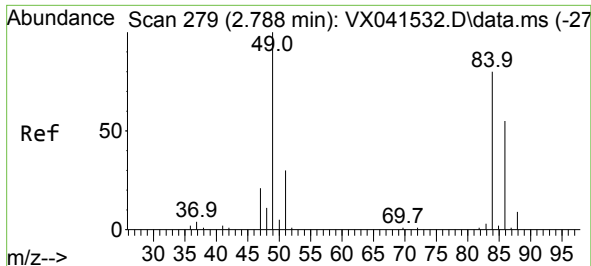
Tgt Ion: 58 Resp: 1090

Ion Ratio Lower Upper

58 100

43 270.1 274.0 411.0#





#18

Methylene Chloride

Concen: 0.328 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX041583.D

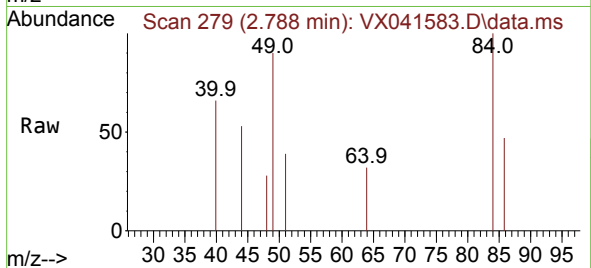
Acq: 21 May 2024 12:52

Instrument :

MSVOA_X

ClientSampleId :

240516027-01



Tgt Ion: 84 Resp: 538

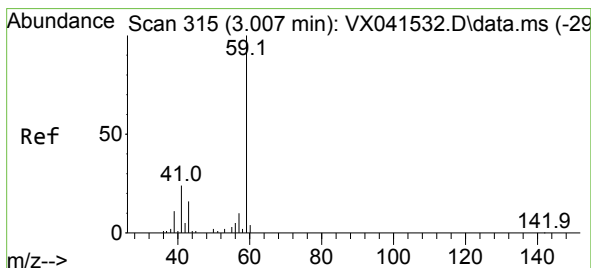
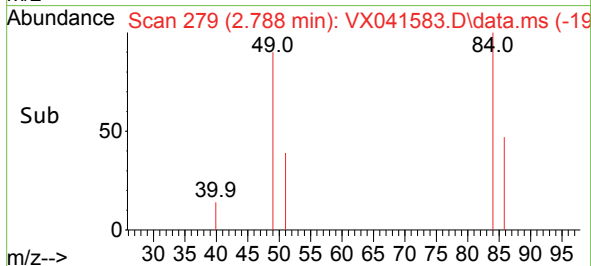
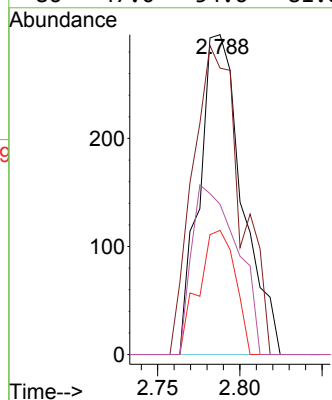
Ion Ratio Lower Upper

84 100

49 89.5 99.8 149.8#

51 38.9 30.2 45.4

86 47.0 54.6 81.8#



#23

tert-Butyl Alcohol

Concen: 0.451 ug/l

RT: 2.983 min Scan# 311

Delta R.T. -0.024 min

Lab File: VX041583.D

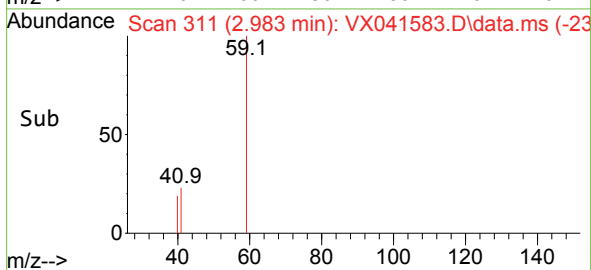
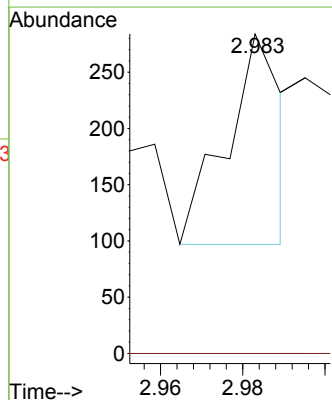
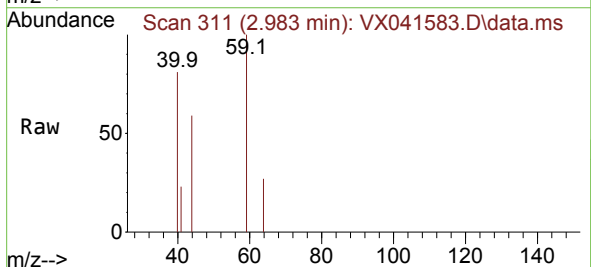
Acq: 21 May 2024 12:52

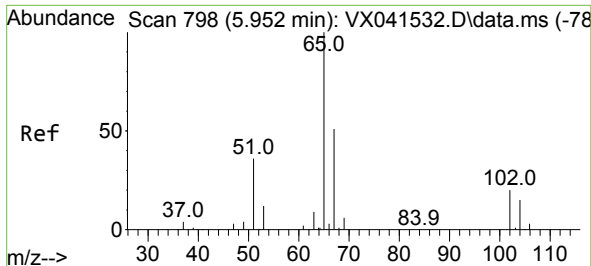
Tgt Ion: 59 Resp: 175

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 30.172 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041583.D

Acq: 21 May 2024 12:52

Instrument :

MSVOA_X

ClientSampleId :

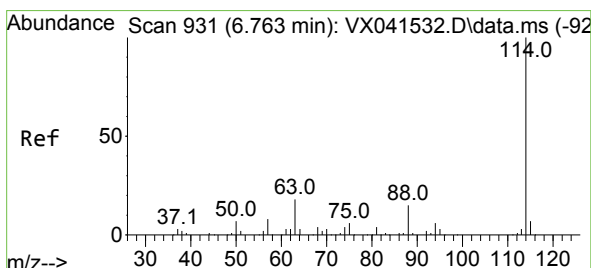
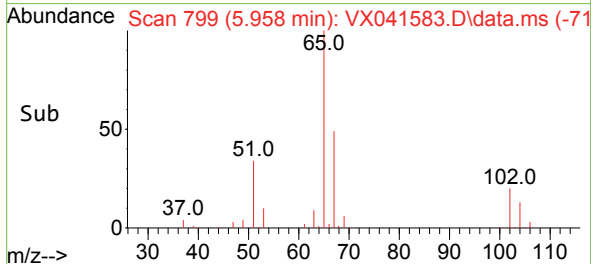
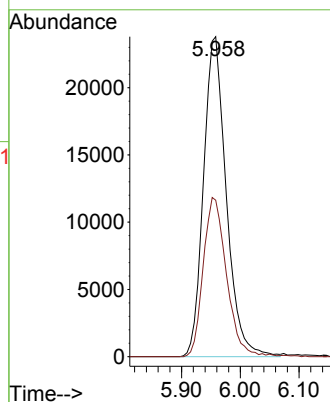
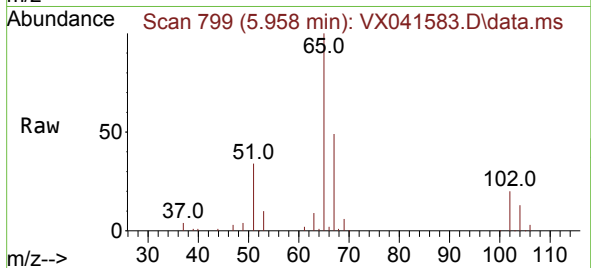
240516027-01

Tgt Ion: 65 Resp: 64117

Ion Ratio Lower Upper

65 100

67 50.6 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: VX041583.D

Acq: 21 May 2024 12:52

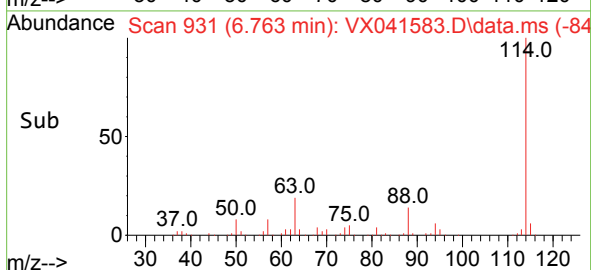
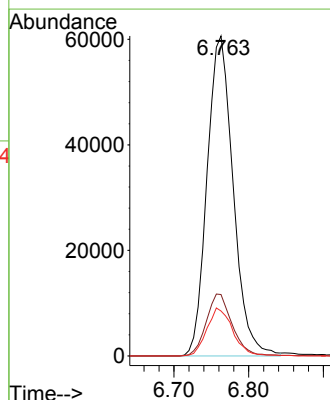
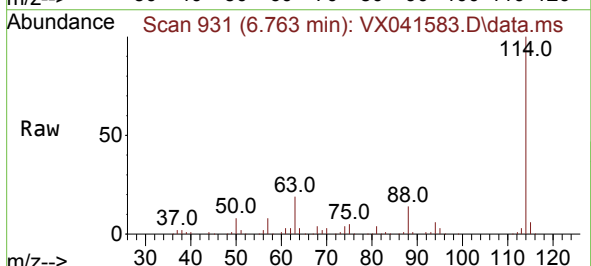
Tgt Ion: 114 Resp: 147499

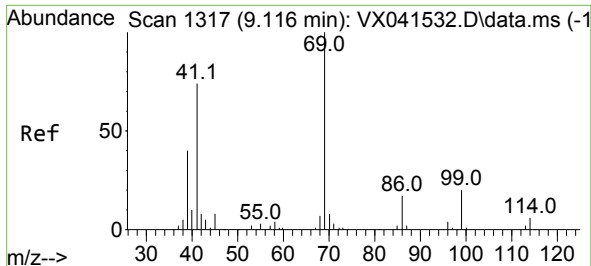
Ion Ratio Lower Upper

114 100

63 19.2 15.4 23.0

88 15.0 12.2 18.2

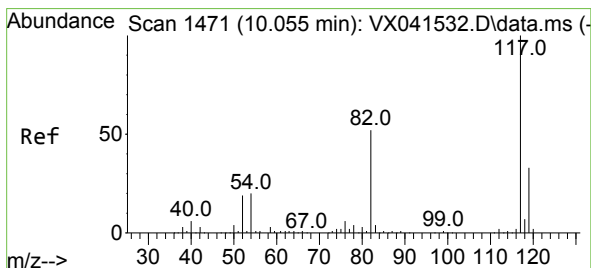
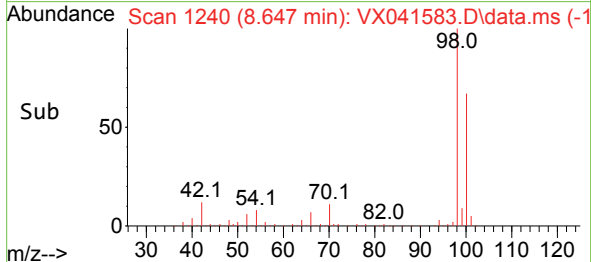
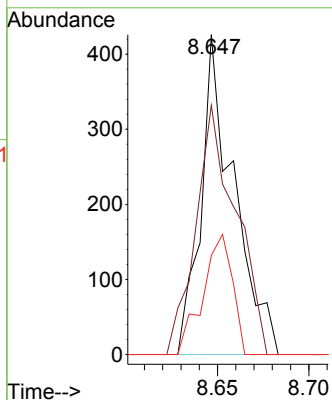
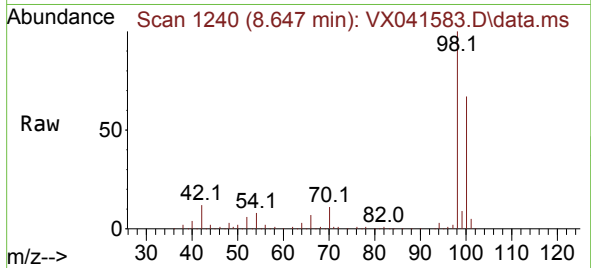




#51
Ethyl methacrylate
Concen: 0.207 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.470 min
Lab File: VX041583.D
Acq: 21 May 2024 12:52

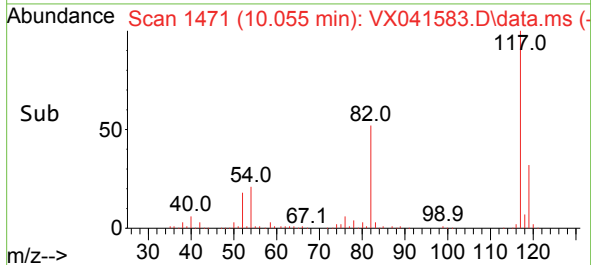
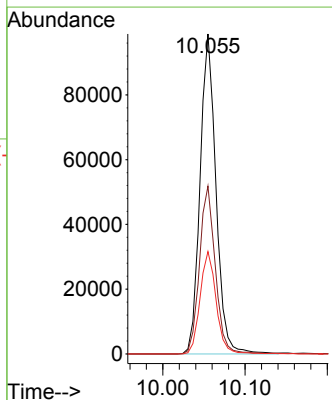
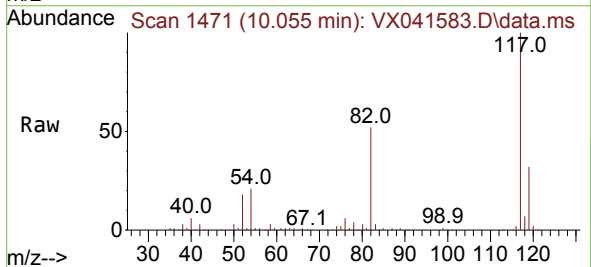
Instrument :
MSVOA_X
ClientSampleId :
240516027-01

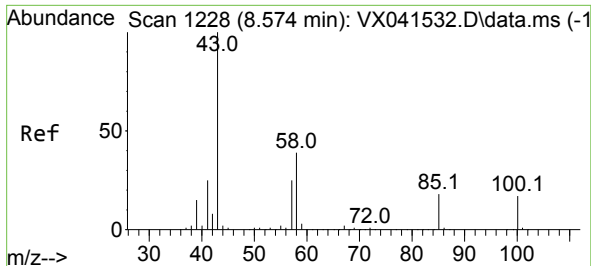
Tgt Ion: 69 Resp: 531
Ion Ratio Lower Upper
69 100
41 77.9 37.1 111.3
39 31.0 20.2 60.6



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041583.D
Acq: 21 May 2024 12:52

Tgt Ion: 117 Resp: 133401
Ion Ratio Lower Upper
117 100
82 52.3 41.7 62.5
119 32.3 25.7 38.5





#58

4-Methyl-2-Pentanone

Concen: 0.320 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX041583.D

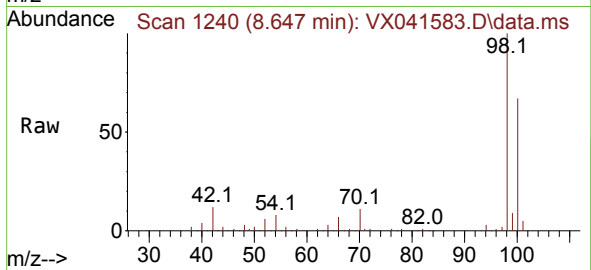
Acq: 21 May 2024 12:52

Instrument :

MSVOA_X

ClientSampleId :

240516027-01



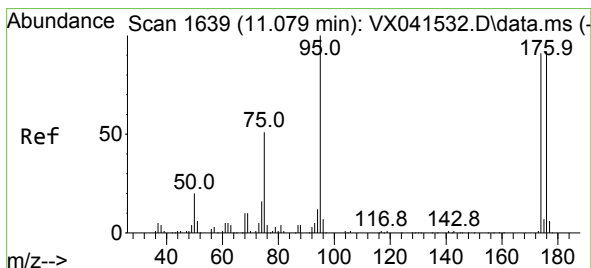
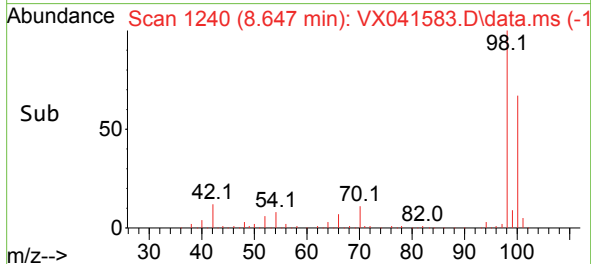
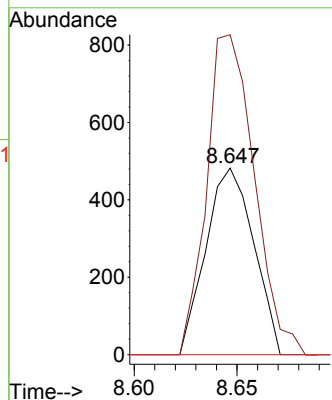
Tgt Ion: 43 Resp: 781

Ion Ratio Lower Upper

43 100

58 171.1 30.2 45.4#

85 0.0 14.6 21.8#



#60

4-Bromofluorobenzene

Concen: 28.102 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX041583.D

Acq: 21 May 2024 12:52

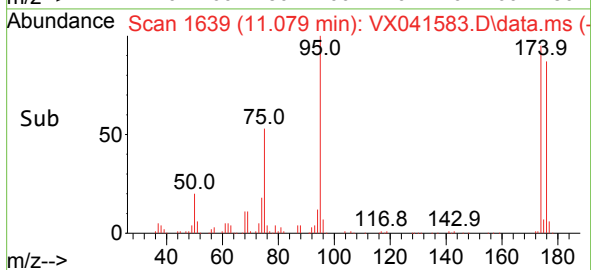
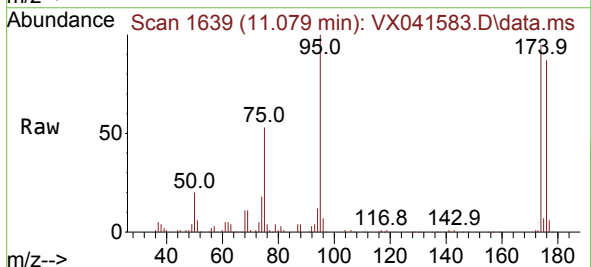
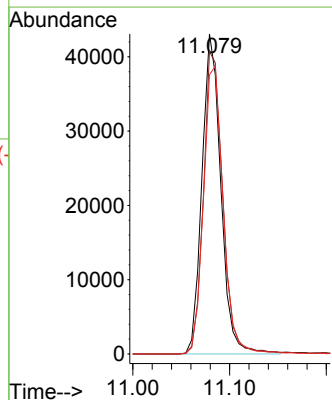
Tgt Ion: 95 Resp: 58523

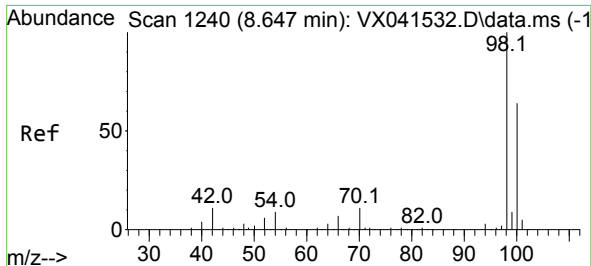
Ion Ratio Lower Upper

95 100

174 97.2 76.6 115.0

176 94.0 75.4 113.0

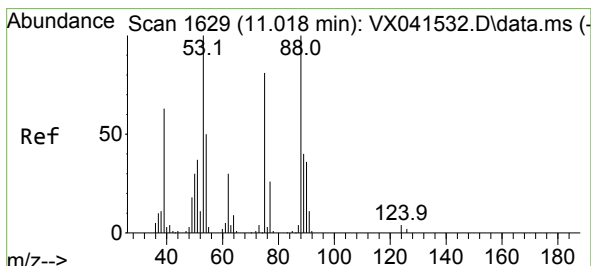
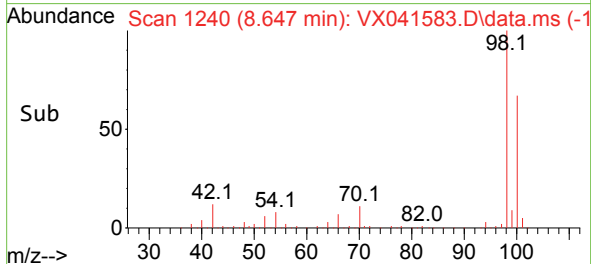
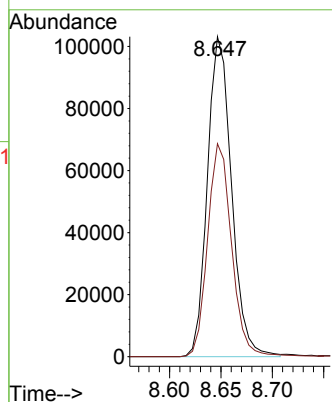
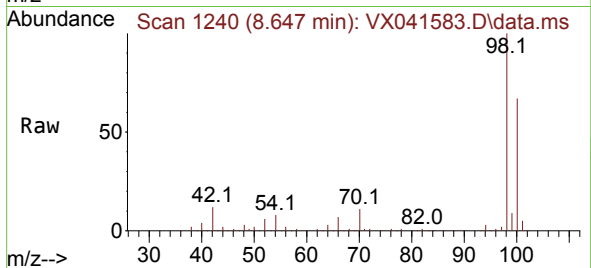




#63
Toluene-d8
Concen: 29.450 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041583.D
Acq: 21 May 2024 12:52

Instrument :
MSVOA_X
ClientSampleId :
240516027-01

Tgt Ion: 98 Resp: 168407
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7



#77
t-1,4-Dichloro-2-butene
Concen: 41.290 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041583.D
Acq: 21 May 2024 12:52

Tgt Ion: 75 Resp: 29476
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#

