

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041573.D
 Acq On : 16 May 2024 18:56
 Operator : JC/MD
 Sample : P2516-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240515014-02

Quant Time: May 17 02:43:22 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)

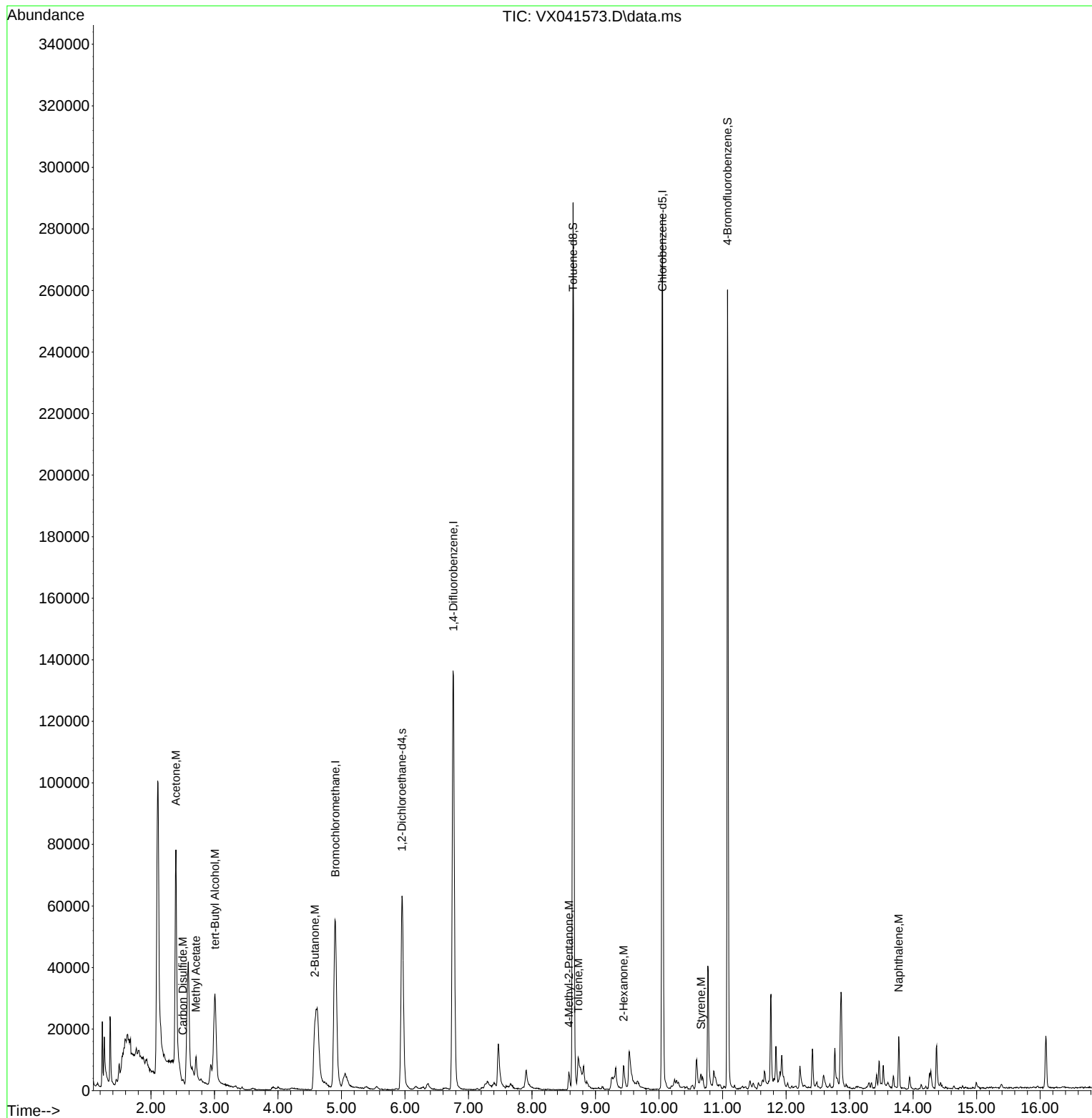
Internal Standards						
1) Bromochloromethane	4.904	128	26074	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	147344	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	137701	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	62701	30.537	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.800%
60) 4-Bromofluorobenzene	11.079	95	63101	29.355	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.833%
63) Toluene-d8	8.647	98	172217	29.176	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.267%
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.709	43	8521	4.241	ug/l	97
15) Acetone	2.392	58	24516	103.586	ug/l	98
16) Carbon Disulfide	2.502	76	1882	0.625	ug/l	96
23) tert-Butyl Alcohol	3.008	59	51631m	137.735	ug/l	
30) 2-Butanone	4.580	43	32804	25.356	ug/l	96
58) 4-Methyl-2-Pentanone	8.580	43	4141	1.646	ug/l	95
59) 2-Hexanone	9.439	43	4987	2.488	ug/l #	92
62) Toluene	8.726	91	1771	0.258	ug/l	94
69) Styrene	10.659	104	1756	0.350	ug/l	95
91) Naphthalene	13.774	128	10545	1.290	ug/l	99

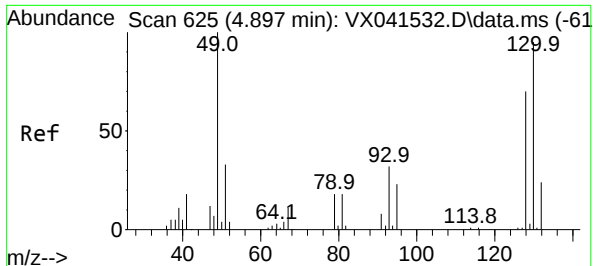
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
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ClientSampleId :
240515014-02

Quant Time: May 17 02:43:22 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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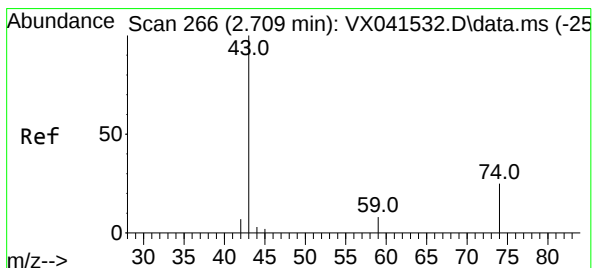
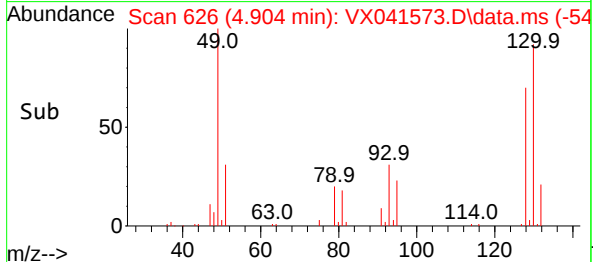
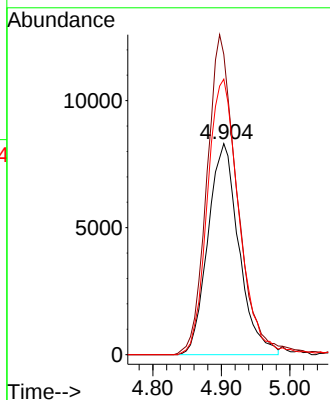
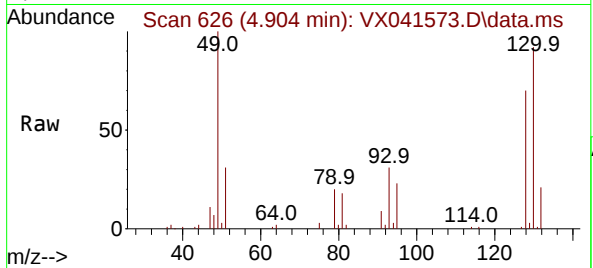




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041573.D
Acq: 16 May 2024 18:56

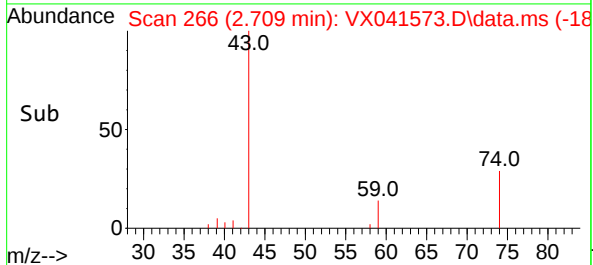
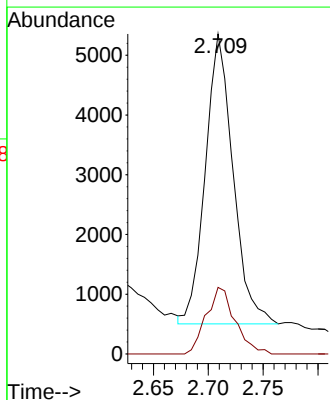
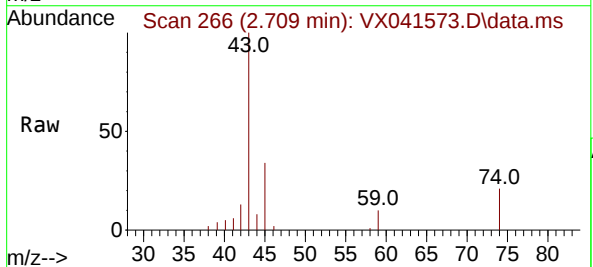
Instrument :
MSVOA_X
ClientSampleId :
240515014-02

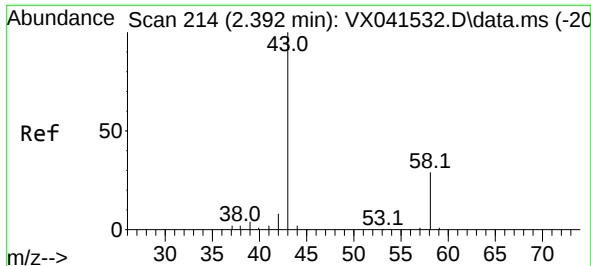
Tgt Ion:128 Resp: 26074
Ion Ratio Lower Upper
128 100
49 148.3 0.0 361.5
130 133.6 0.0 324.3



#12
Methyl Acetate
Concen: 4.241 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX041573.D
Acq: 16 May 2024 18:56

Tgt Ion: 43 Resp: 8521
Ion Ratio Lower Upper
43 100
74 23.3 19.9 29.9





#15

Acetone

Concen: 103.586 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX041573.D

Acq: 16 May 2024 18:56

Instrument :

MSVOA_X

ClientSampleId :

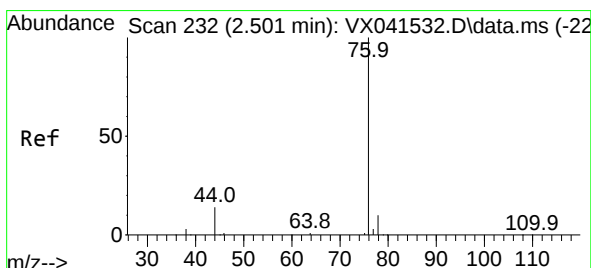
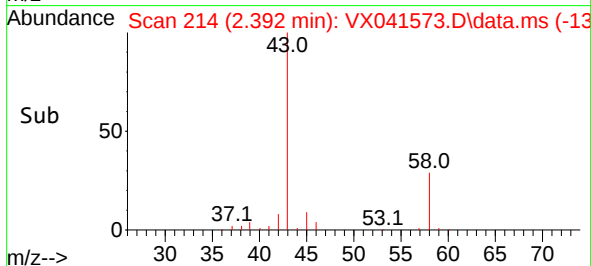
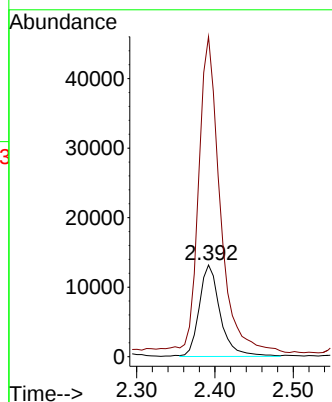
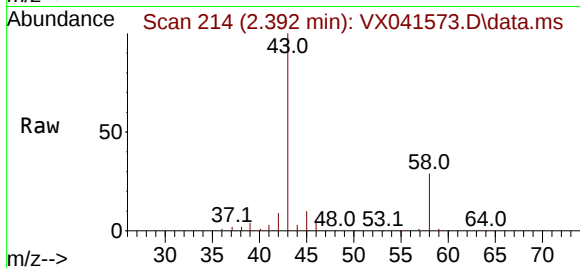
240515014-02

Tgt Ion: 58 Resp: 24516

Ion Ratio Lower Upper

58 100

43 346.0 274.0 411.0



#16

Carbon Disulfide

Concen: 0.625 ug/l

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX041573.D

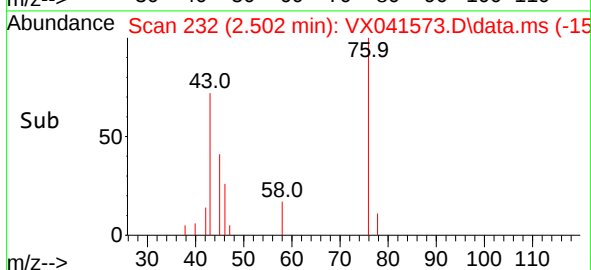
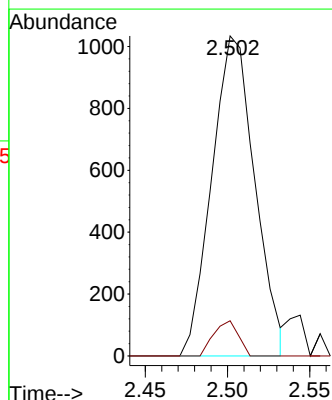
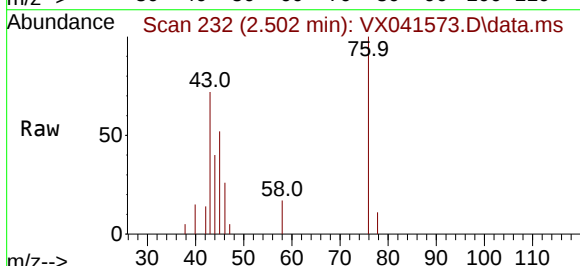
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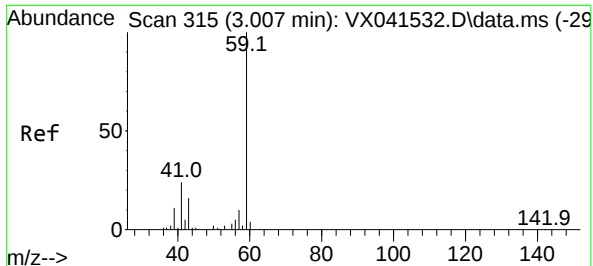
Tgt Ion: 76 Resp: 1882

Ion Ratio Lower Upper

76 100

78 11.0 7.6 11.4

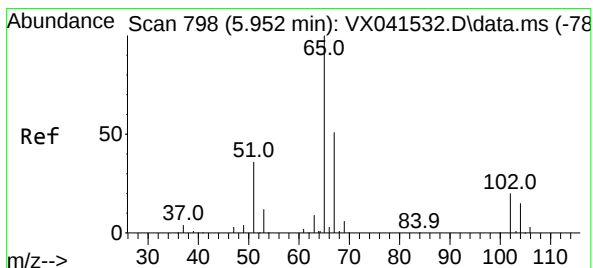
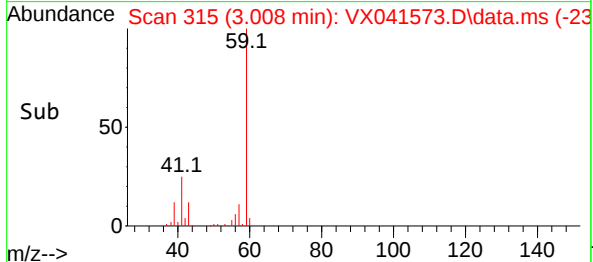
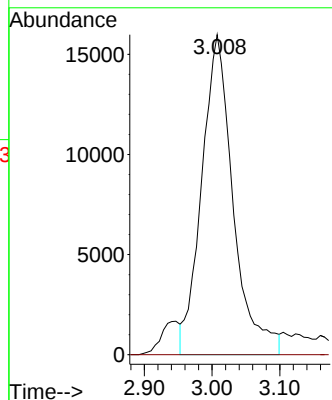
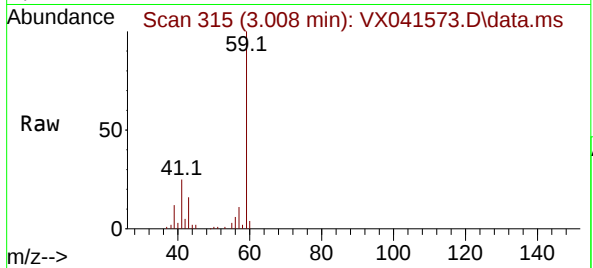




#23
tert-Butyl Alcohol
Concen: 137.735 ug/l m
RT: 3.008 min Scan# 315
Delta R.T. 0.000 min
Lab File: VX041573.D
Acq: 16 May 2024 18:56

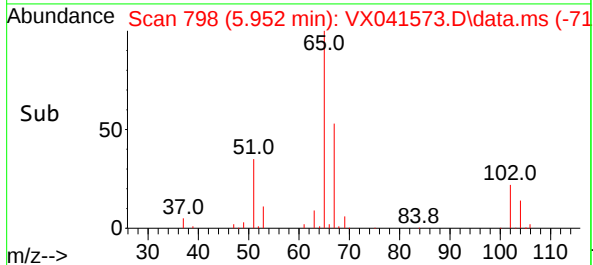
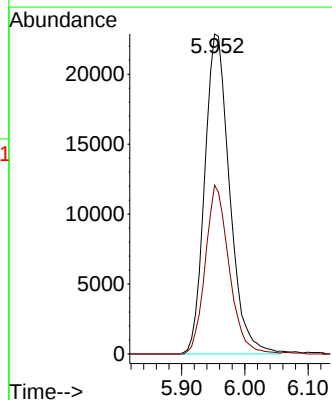
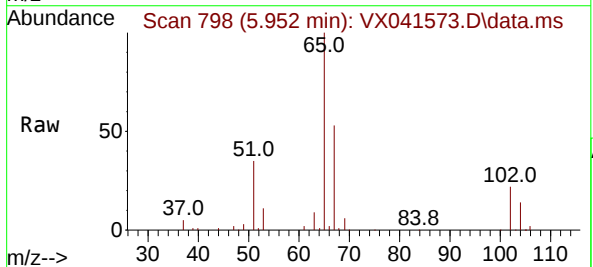
Instrument :
MSVOA_X
ClientSampleId :
240515014-02

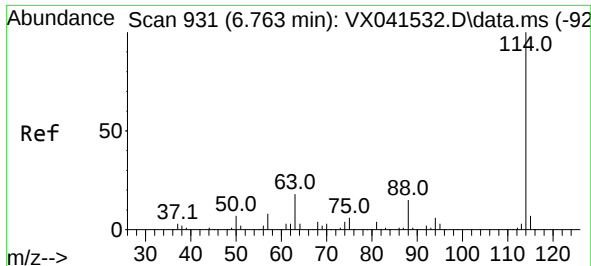
Tgt Ion: 59 Resp: 51631
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 30.537 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041573.D
Acq: 16 May 2024 18:56

Tgt Ion: 65 Resp: 62701
Ion Ratio Lower Upper
65 100
67 50.5 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX041573.D

Acq: 16 May 2024 18:56

Instrument :

MSVOA_X

ClientSampleId :

240515014-02

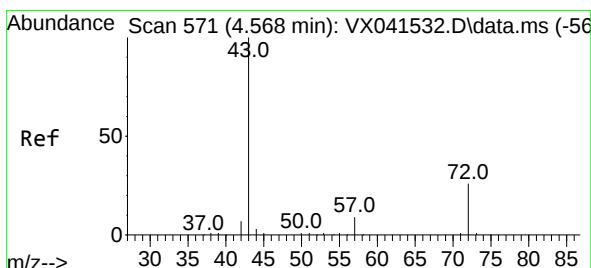
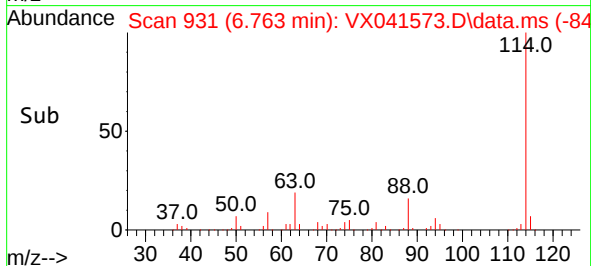
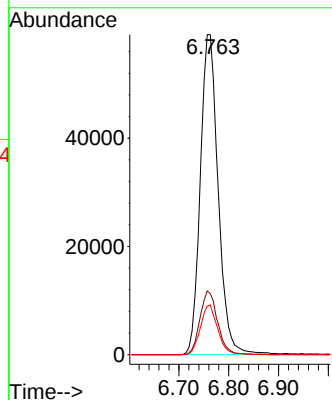
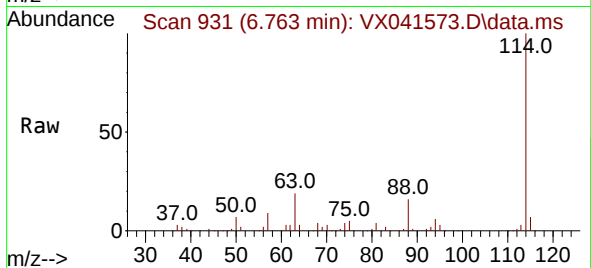
Tgt Ion:114 Resp: 147344

Ion Ratio Lower Upper

114 100

63 19.6 15.4 23.0

88 15.0 12.2 18.2



#30

2-Butanone

Concen: 25.356 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX041573.D

Acq: 16 May 2024 18:56

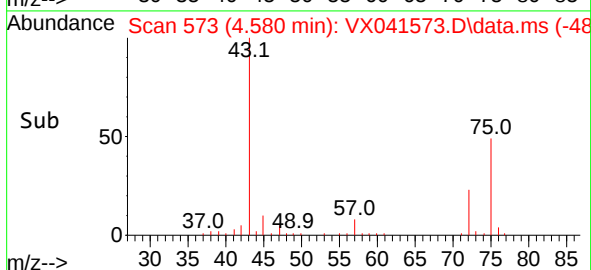
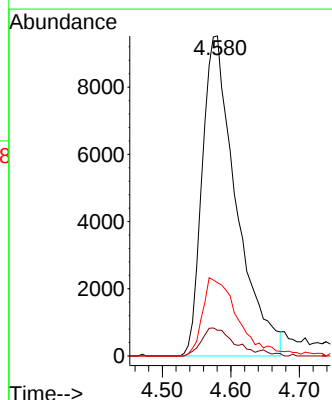
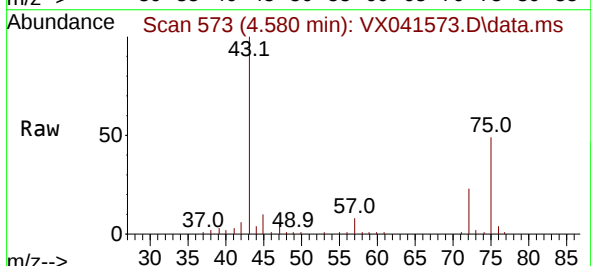
Tgt Ion: 43 Resp: 32804

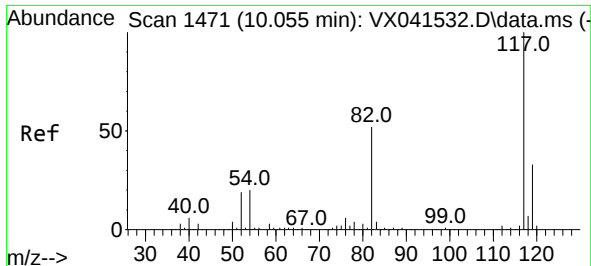
Ion Ratio Lower Upper

43 100

57 7.2 6.6 10.0

72 24.0 20.7 31.1

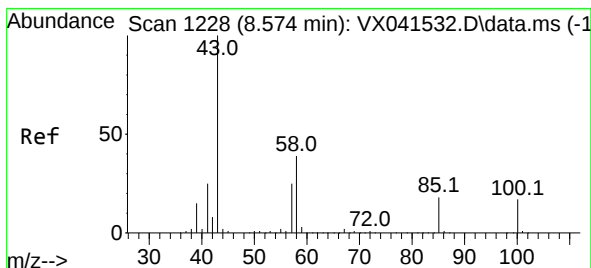
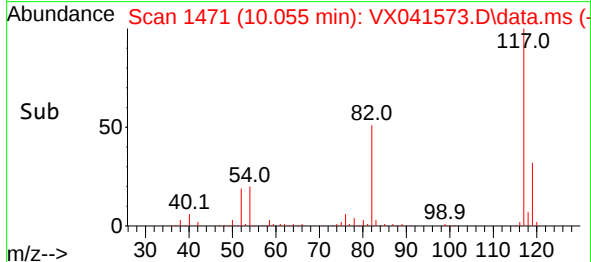
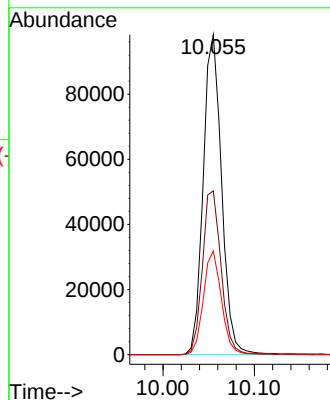
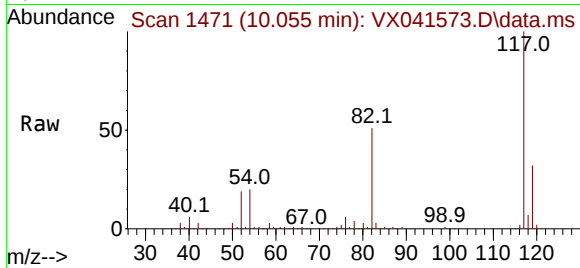




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041573.D
Acq: 16 May 2024 18:56

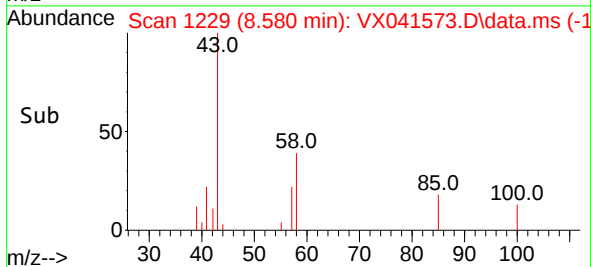
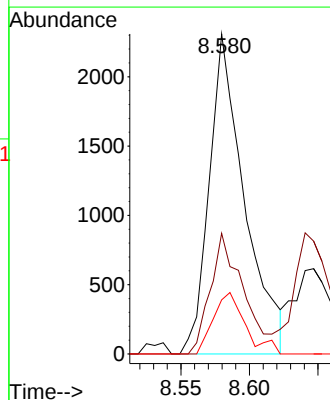
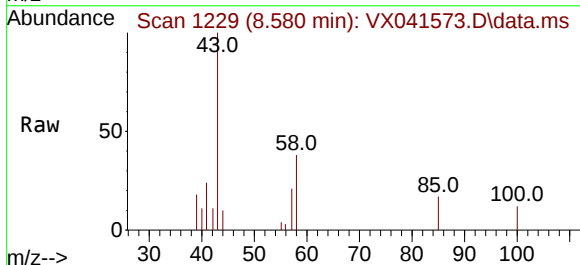
Instrument :
MSVOA_X
ClientSampleId :
240515014-02

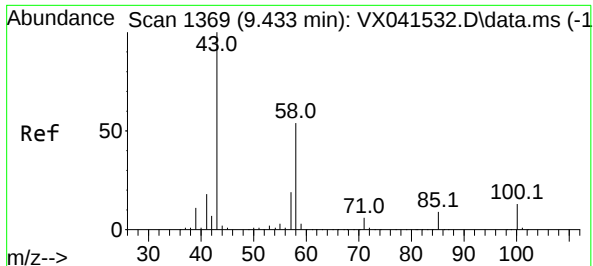
Tgt Ion:117 Resp: 137701
Ion Ratio Lower Upper
117 100
82 52.1 41.7 62.5
119 31.7 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 1.646 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX041573.D
Acq: 16 May 2024 18:56

Tgt Ion: 43 Resp: 4141
Ion Ratio Lower Upper
43 100
58 35.3 30.2 45.4
85 15.7 14.6 21.8

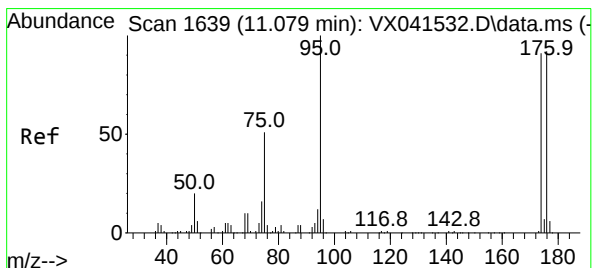
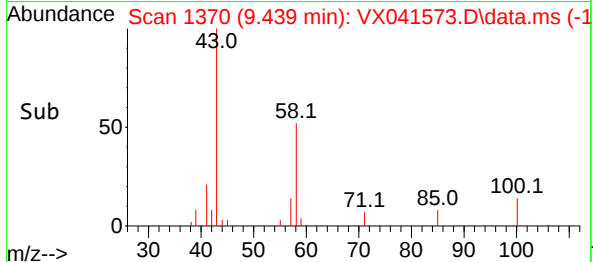
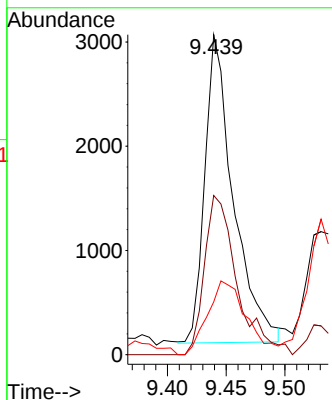
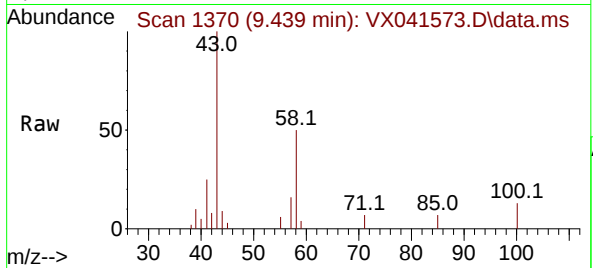




#59
2-Hexanone
Concen: 2.488 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX041573.D
Acq: 16 May 2024 18:56

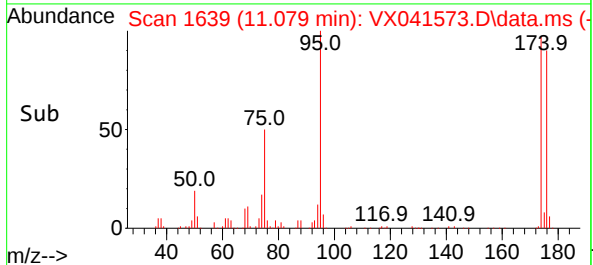
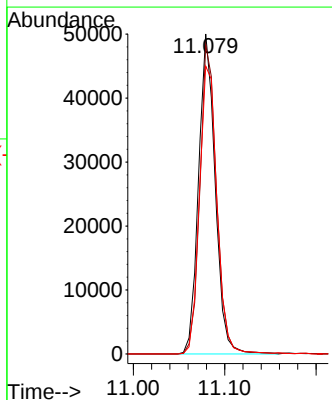
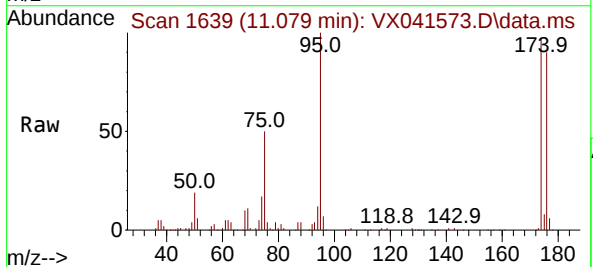
Instrument :
MSVOA_X
ClientSampleId :
240515014-02

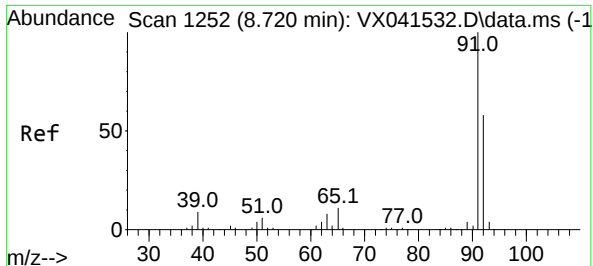
Tgt Ion: 43 Resp: 4987
Ion Ratio Lower Upper
43 100
58 52.7 42.3 63.5
57 32.5 15.1 22.7#



#60
4-Bromofluorobenzene
Concen: 29.355 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041573.D
Acq: 16 May 2024 18:56

Tgt Ion: 95 Resp: 63101
Ion Ratio Lower Upper
95 100
174 96.5 76.6 115.0
176 94.8 75.4 113.0





#62

Toluene

Concen: 0.258 ug/l

RT: 8.726 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX041573.D

Acq: 16 May 2024 18:56

Instrument :

MSVOA_X

ClientSampleId :

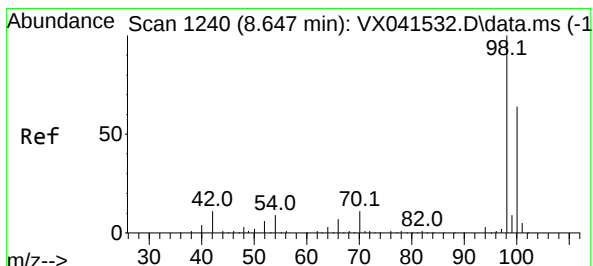
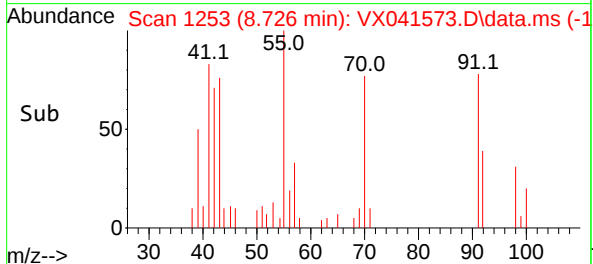
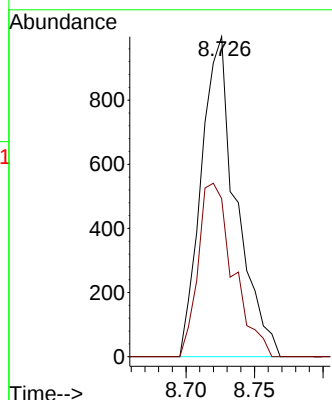
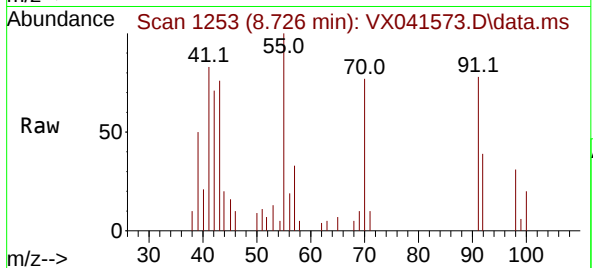
240515014-02

Tgt Ion: 91 Resp: 1771

Ion Ratio Lower Upper

91 100

92 54.5 47.0 70.6



#63

Toluene-d8

Concen: 29.176 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041573.D

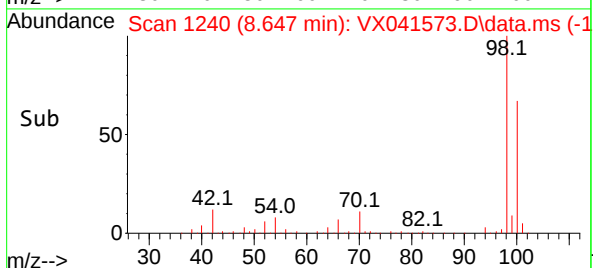
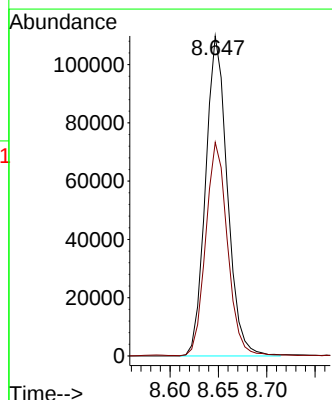
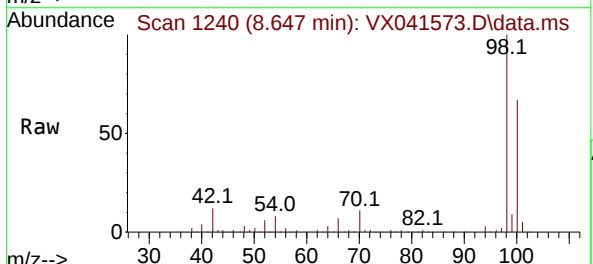
Acq: 16 May 2024 18:56

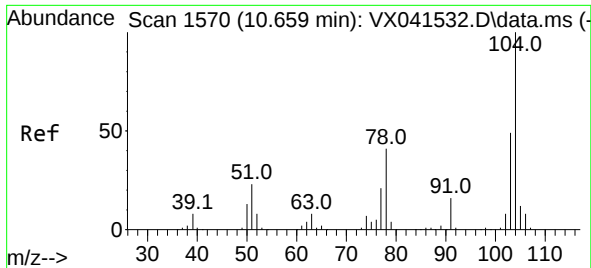
Tgt Ion: 98 Resp: 172217

Ion Ratio Lower Upper

98 100

100 66.7 53.1 79.7

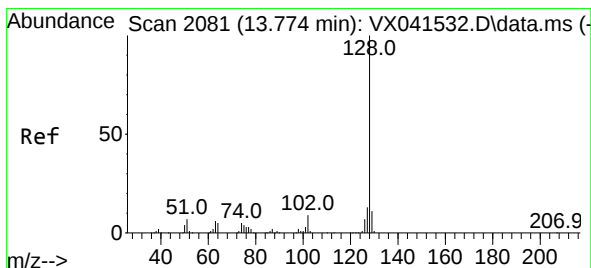
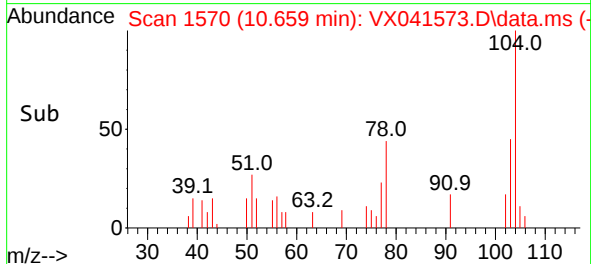
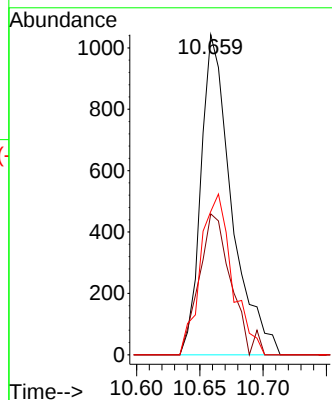
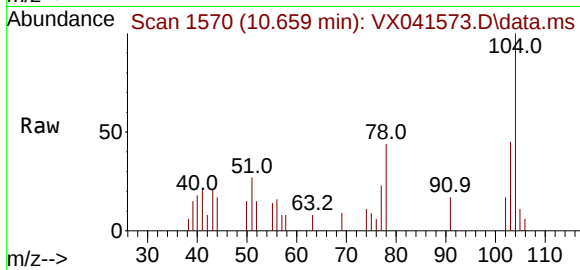




#69
Styrene
Concen: 0.350 ug/l
RT: 10.659 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041573.D
Acq: 16 May 2024 18:56

Instrument :
MSVOA_X
ClientSampleId :
240515014-02

Tgt Ion:104 Resp: 1756
Ion Ratio Lower Upper
104 100
78 44.2 39.3 58.9
103 52.0 43.2 64.8



#91
Naphthalene
Concen: 1.290 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX041573.D
Acq: 16 May 2024 18:56

Tgt Ion:128 Resp: 10545
Ion Ratio Lower Upper
128 100
127 13.7 10.6 16.0
129 11.4 8.8 13.2

