

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052324\
 Data File : VX041635.D
 Acq On : 23 May 2024 17:42
 Operator : JC/MD
 Sample : P2600-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 24 06:46:11 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)

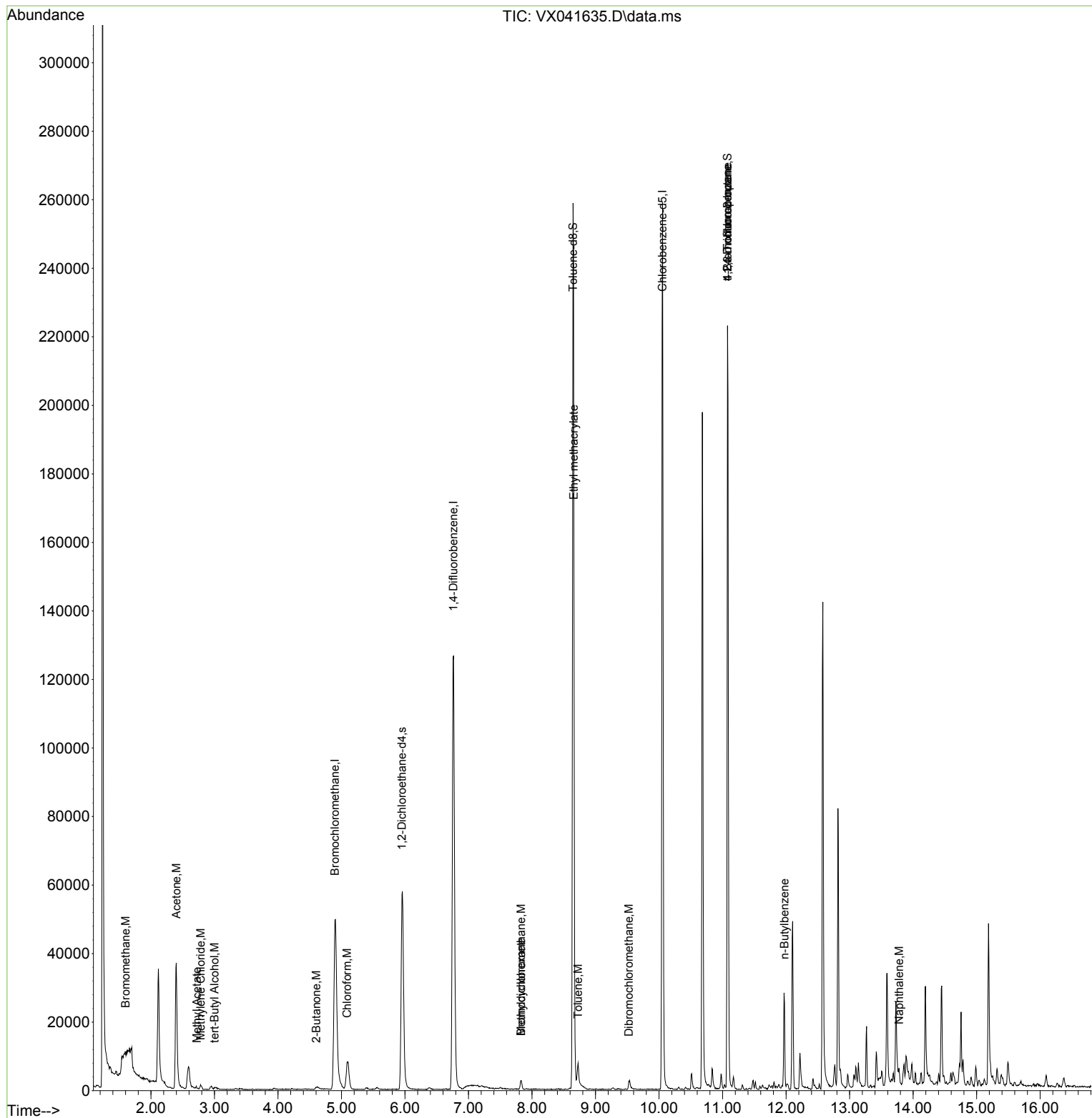
Internal Standards						
1) Bromochloromethane	4.897	128	24369	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	135676	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	122083	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	58663	30.569	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.900%			
60) 4-Bromofluorobenzene	11.079	95	56432	29.611	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.700%			
63) Toluene-d8	8.647	98	156564	29.917	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.733%			
Target Compounds						Qvalue
5) Bromomethane	1.599	94	310	0.332	ug/l	97
12) Methyl Acetate	2.721	43	905	0.482	ug/l	95
15) Acetone	2.398	58	13027	58.893	ug/l	99
18) Methylene Chloride	2.782	84	600	0.405	ug/l #	87
23) tert-Butyl Alcohol	3.001	59	316	0.902	ug/l #	100
25) Chloroform	5.086	83	4643	1.670	ug/l	95
30) 2-Butanone	4.605	43	1004	0.843	ug/l #	94
38) Methylcyclohexane	7.830	83	1855	0.814	ug/l #	18
41) Bromodichloromethane	7.830	83	1891	0.955	ug/l #	94
51) Ethyl methacrylate	8.659	69	522	0.221	ug/l #	68
53) Dibromochloromethane	9.525	129	815	0.488	ug/l	83
62) Toluene	8.726	91	4951	0.815	ug/l	99
72) 1,2,3-Trichloropropane	11.079	75	28568	13.744	ug/l	38
77) t-1,4-Dichloro-2-butene	11.079	75	28568	43.728	ug/l #	1
85) n-Butylbenzene	11.975	91	1759	0.351	ug/l	67
91) Naphthalene	13.780	128	2411	0.333	ug/l	97

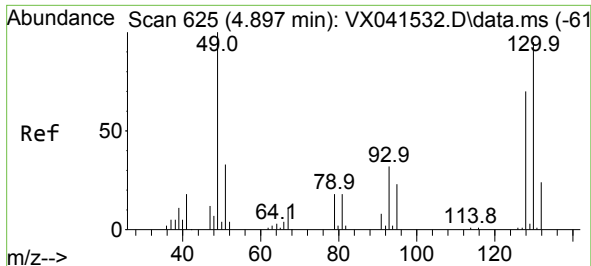
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052324\
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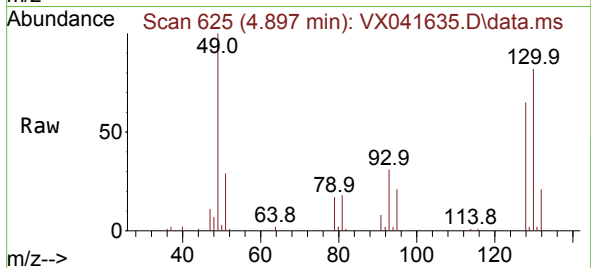
Quant Time: May 24 06:46:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
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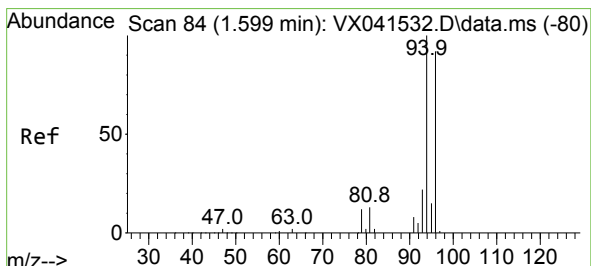
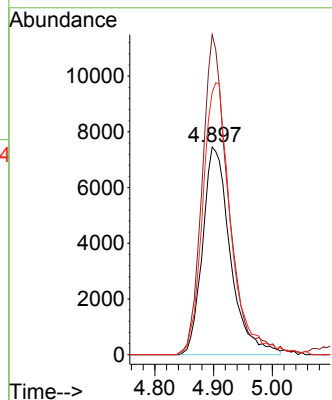
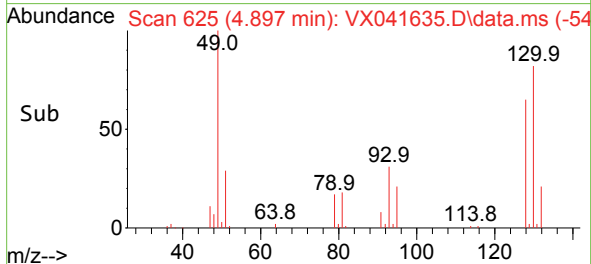


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041635.D
Acq: 23 May 2024 17:42

Instrument :
MSVOA_X
ClientSampleId :

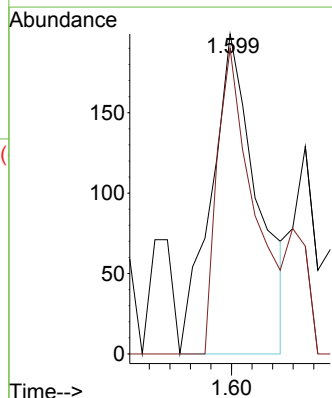
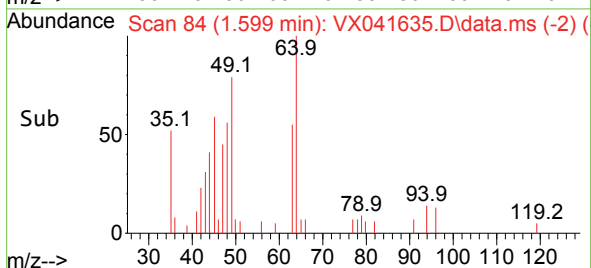
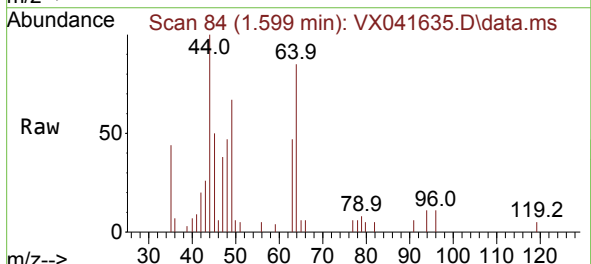


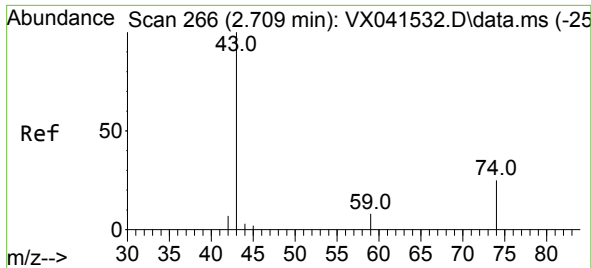
Tgt Ion:128 Resp: 24369
Ion Ratio Lower Upper
128 100
49 141.3 0.0 361.5
130 128.5 0.0 324.3



#5
Bromomethane
Concen: 0.332 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041635.D
Acq: 23 May 2024 17:42

Tgt Ion: 94 Resp: 310
Ion Ratio Lower Upper
94 100
96 95.5 73.9 110.9

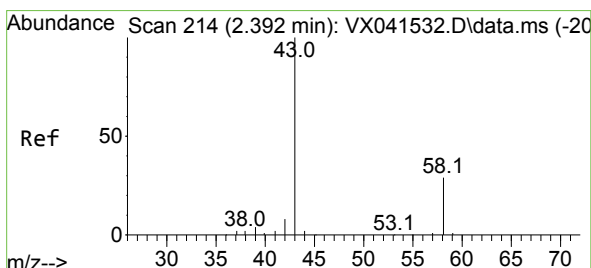
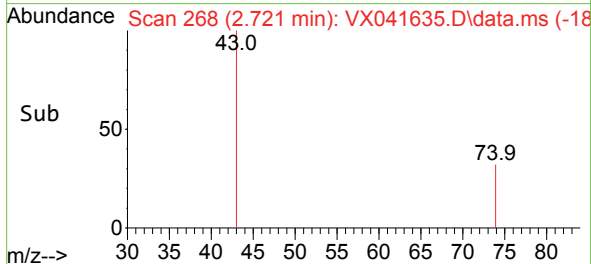
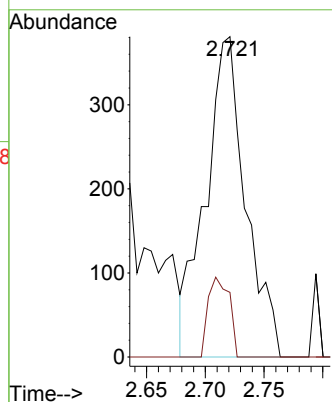
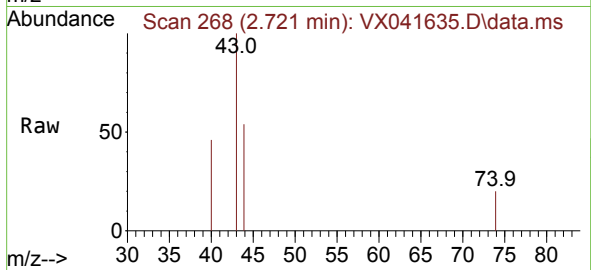




#12
Methyl Acetate
Concen: 0.482 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX041635.D
Acq: 23 May 2024 17:42

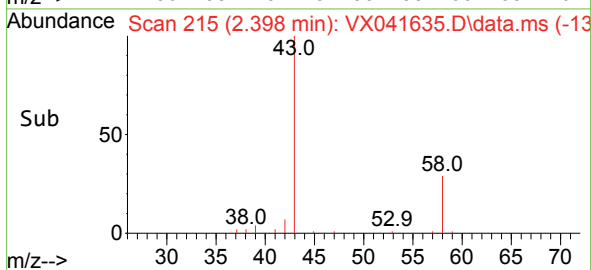
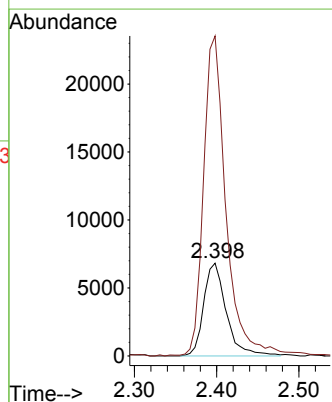
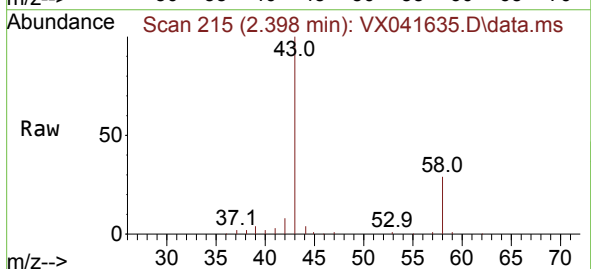
Instrument :
MSVOA_X
ClientSampleId :

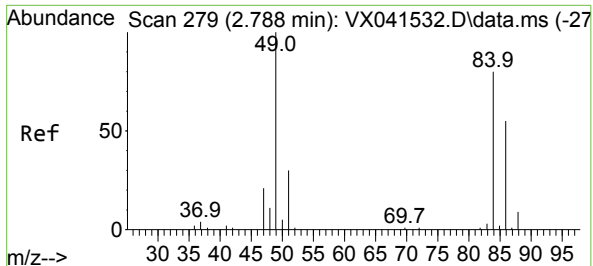
Tgt Ion: 43 Resp: 905
Ion Ratio Lower Upper
43 100
74 22.4 19.9 29.9



#15
Acetone
Concen: 58.893 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX041635.D
Acq: 23 May 2024 17:42

Tgt Ion: 58 Resp: 13027
Ion Ratio Lower Upper
58 100
43 343.8 274.0 411.0





#18

Methylene Chloride

Concen: 0.405 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

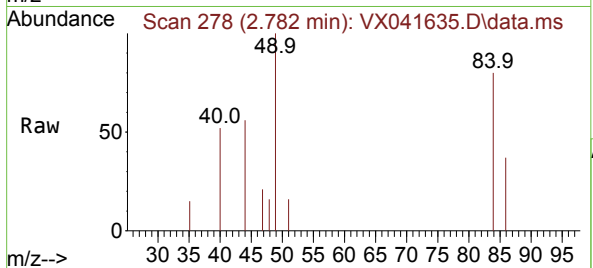
Lab File: VX041635.D

Acq: 23 May 2024 17:42

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 600

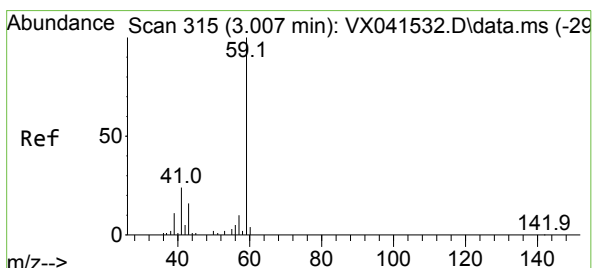
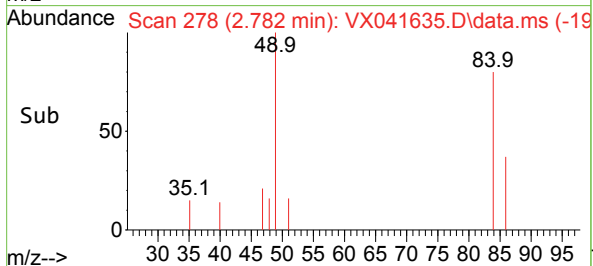
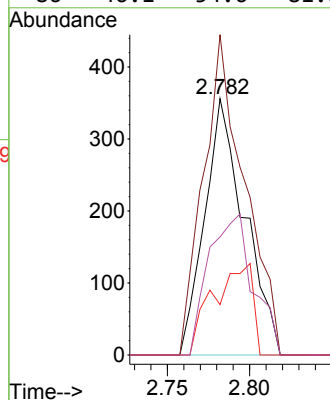
Ion Ratio Lower Upper

84 100

49 125.0 99.8 149.8

51 19.7 30.2 45.4#

86 46.1 54.6 81.8#



#23

tert-Butyl Alcohol

Concen: 0.902 ug/l

RT: 3.001 min Scan# 314

Delta R.T. -0.006 min

Lab File: VX041635.D

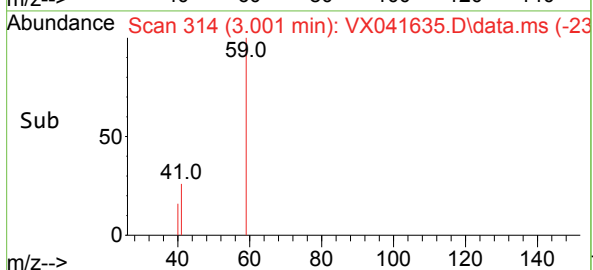
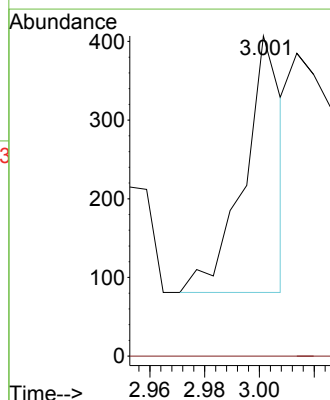
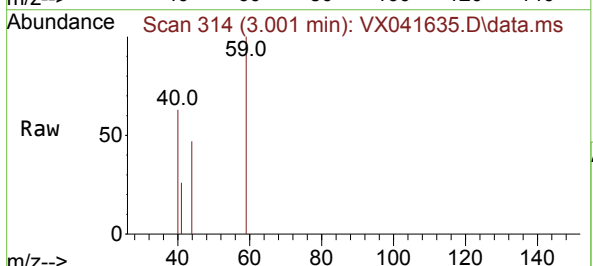
Acq: 23 May 2024 17:42

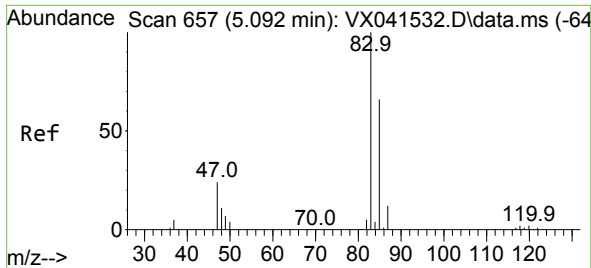
Tgt Ion: 59 Resp: 316

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

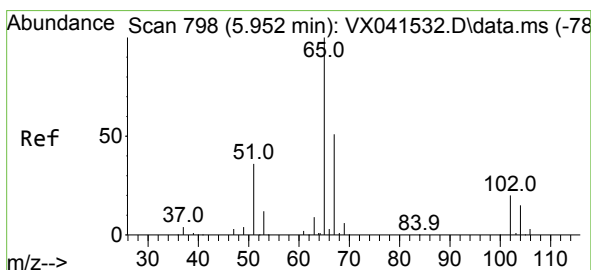
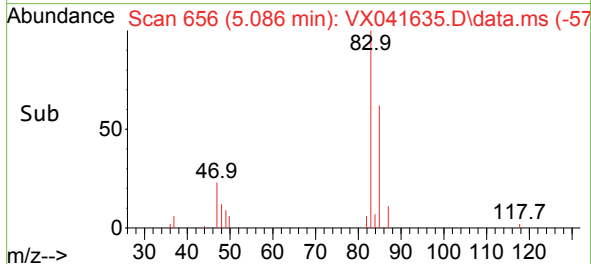
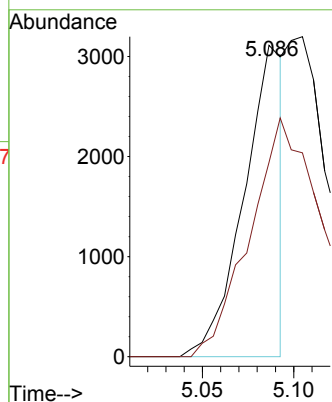
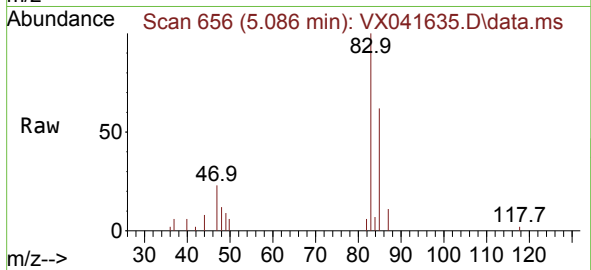




#25
Chloroform
Concen: 1.670 ug/l
RT: 5.086 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX041635.D
Acq: 23 May 2024 17:42

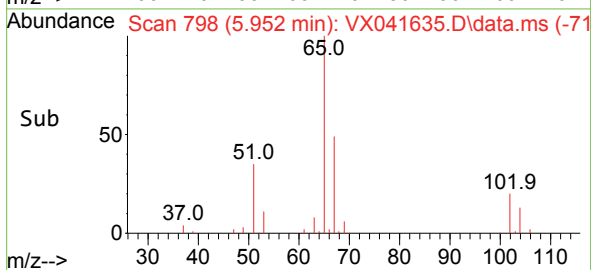
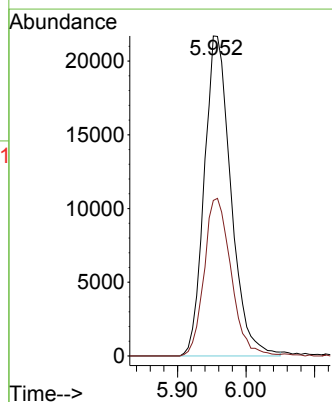
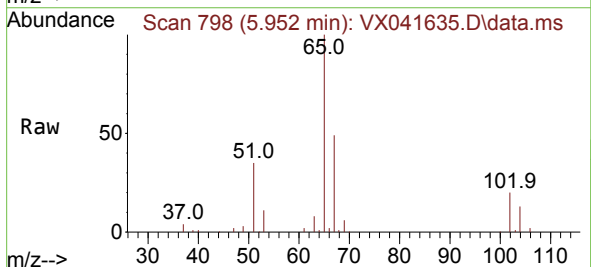
Instrument :
MSVOA_X
ClientSampleId :

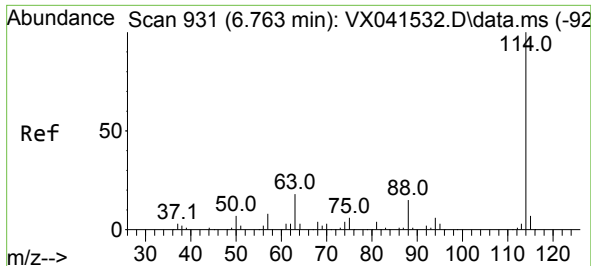
Tgt Ion: 83 Resp: 4643
Ion Ratio Lower Upper
83 100
85 62.4 52.9 79.3



#27
1,2-Dichloroethane-d4
Concen: 30.569 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041635.D
Acq: 23 May 2024 17:42

Tgt Ion: 65 Resp: 58663
Ion Ratio Lower Upper
65 100
67 49.7 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

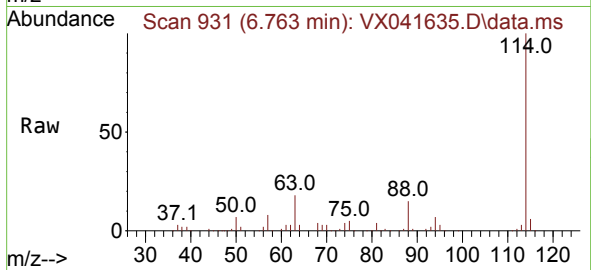
Lab File: VX041635.D

Acq: 23 May 2024 17:42

Instrument :

MSVOA_X

ClientSampleId :



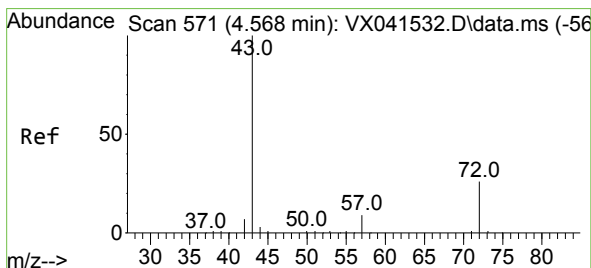
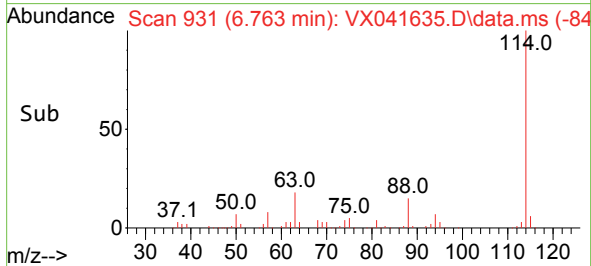
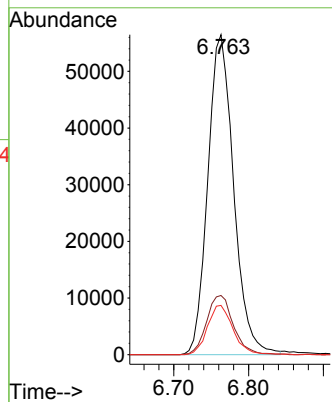
Tgt Ion:114 Resp: 135676

Ion Ratio Lower Upper

114 100

63 19.1 15.4 23.0

88 15.3 12.2 18.2



#30

2-Butanone

Concen: 0.843 ug/l

RT: 4.605 min Scan# 577

Delta R.T. 0.037 min

Lab File: VX041635.D

Acq: 23 May 2024 17:42

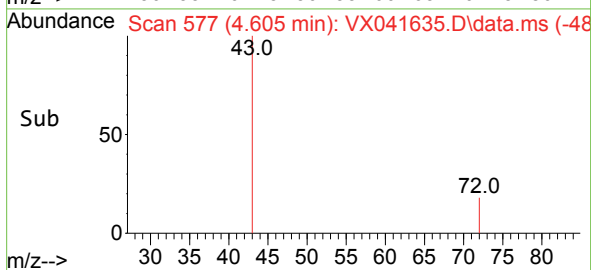
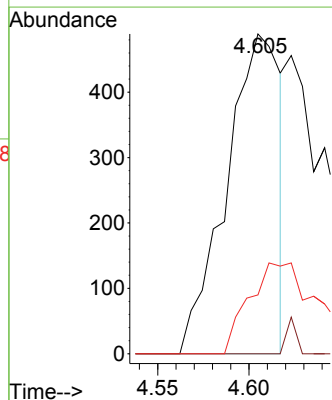
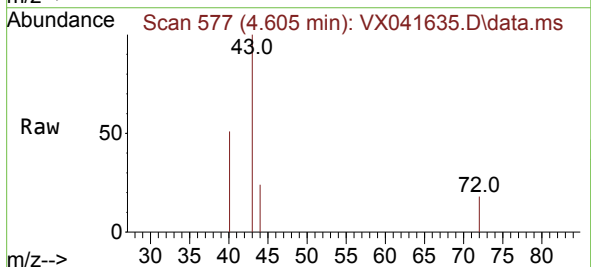
Tgt Ion: 43 Resp: 1004

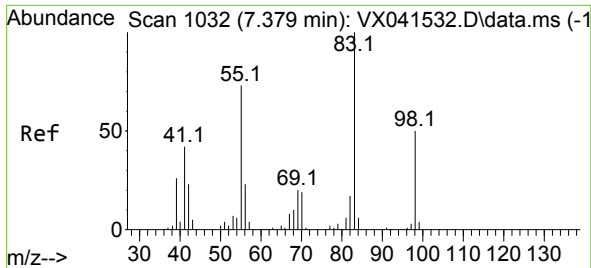
Ion Ratio Lower Upper

43 100

57 0.0 6.6 10.0#

72 26.4 20.7 31.1

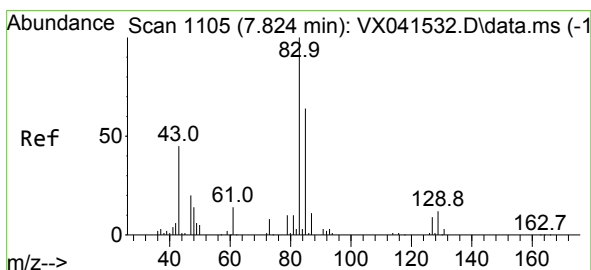
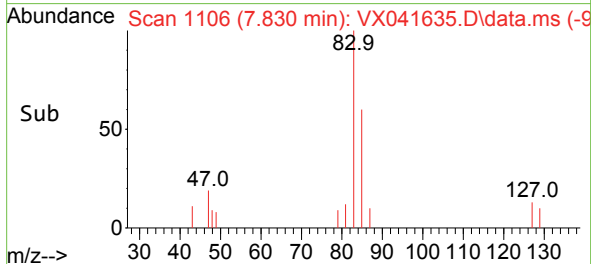
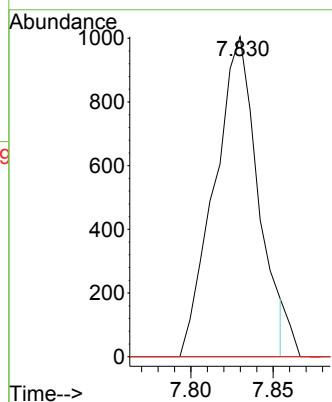
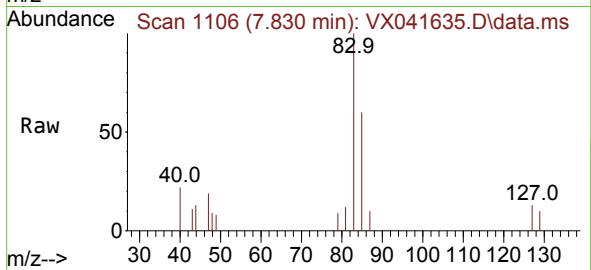




#38
Methylcyclohexane
Concen: 0.814 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.451 min
Lab File: VX041635.D
Acq: 23 May 2024 17:42

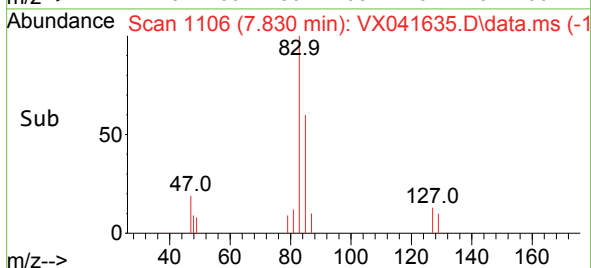
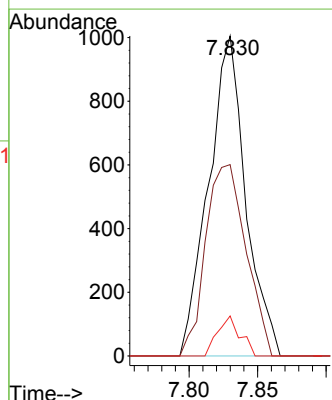
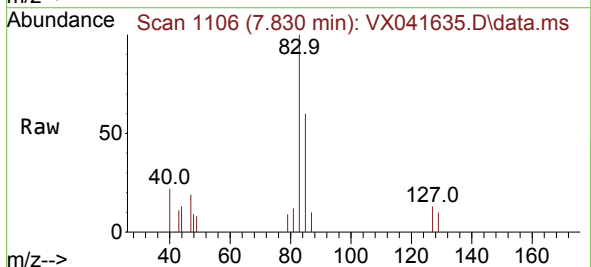
Instrument :
MSVOA_X
ClientSampleId :

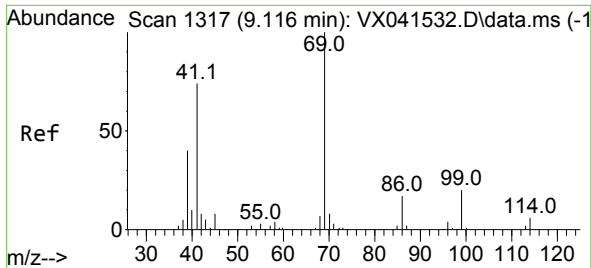
Tgt Ion: 83 Resp: 1855
Ion Ratio Lower Upper
83 100
55 0.0 37.7 113.1#
98 0.0 25.1 75.3#



#41
Bromodichloromethane
Concen: 0.955 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VX041635.D
Acq: 23 May 2024 17:42

Tgt Ion: 83 Resp: 1891
Ion Ratio Lower Upper
83 100
85 59.8 51.0 76.4
127 12.5 7.1 10.7#

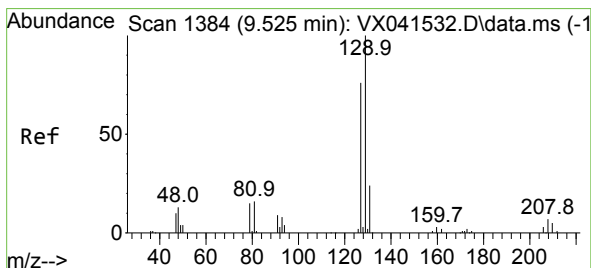
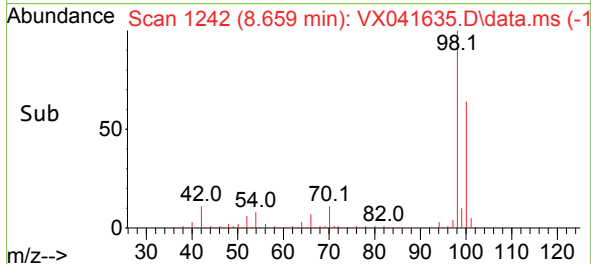
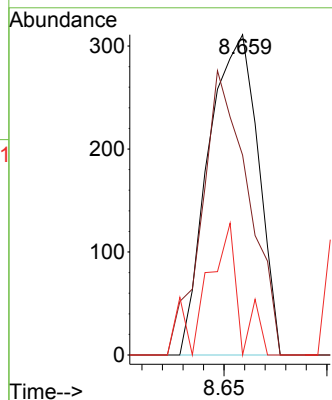
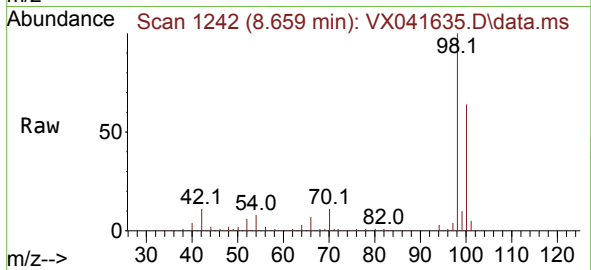




#51
Ethyl methacrylate
Concen: 0.221 ug/l
RT: 8.659 min Scan# 11
Delta R.T. -0.457 min
Lab File: VX041635.D
Acq: 23 May 2024 17:42

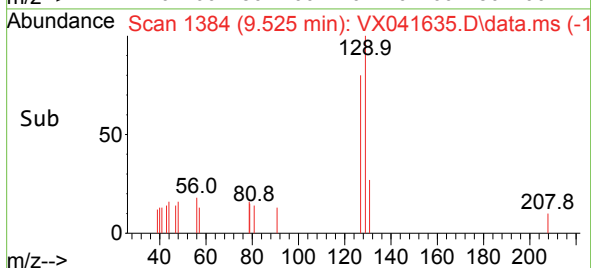
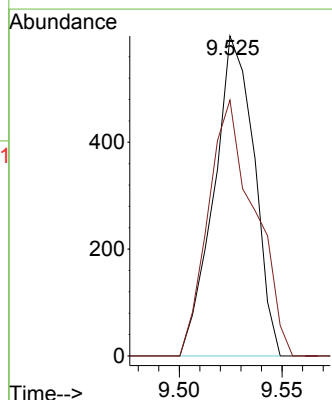
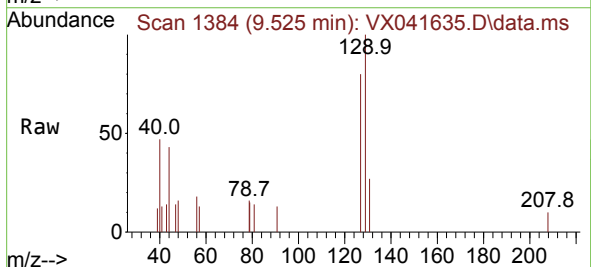
Instrument :
MSVOA_X
ClientSampleId :

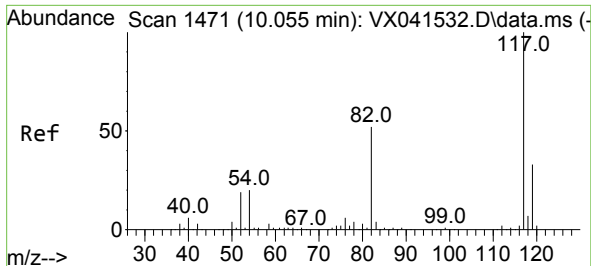
Tgt Ion: 69 Resp: 522
Ion Ratio Lower Upper
69 100
41 62.4 37.1 111.3
39 0.0 20.2 60.6#



#53
Dibromochloromethane
Concen: 0.488 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VX041635.D
Acq: 23 May 2024 17:42

Tgt Ion: 129 Resp: 815
Ion Ratio Lower Upper
129 100
127 92.4 38.9 116.7





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041635.D

Acq: 23 May 2024 17:42

Instrument :

MSVOA_X

ClientSampleId :

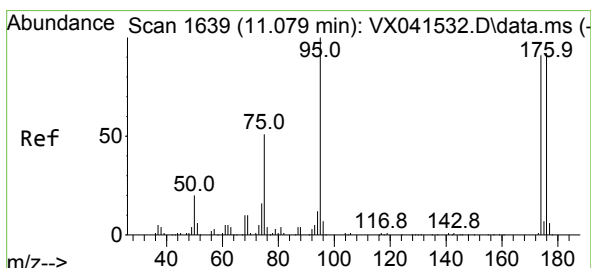
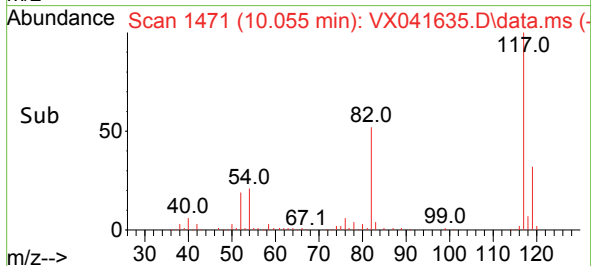
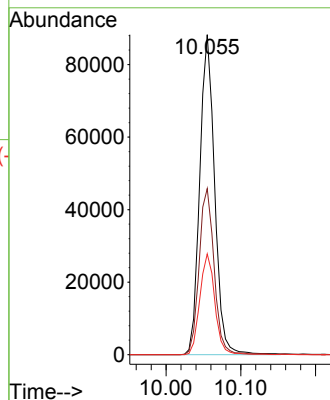
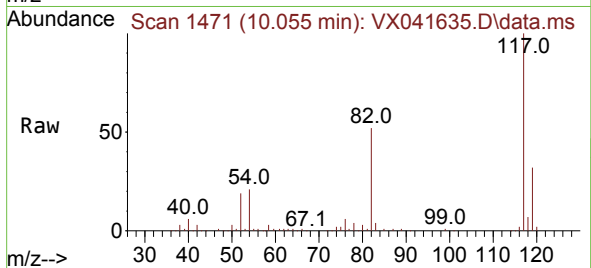
Tgt Ion:117 Resp: 122083

Ion Ratio Lower Upper

117 100

82 52.0 41.7 62.5

119 31.7 25.7 38.5



#60

4-Bromofluorobenzene

Concen: 29.611 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX041635.D

Acq: 23 May 2024 17:42

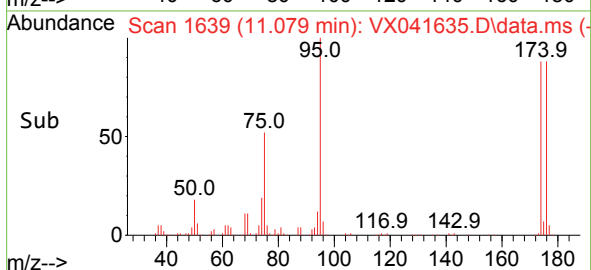
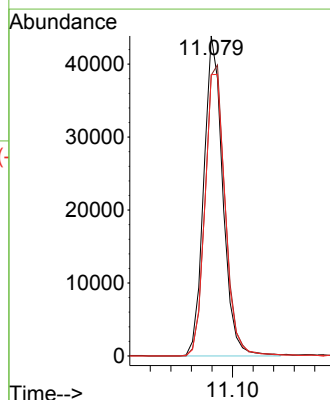
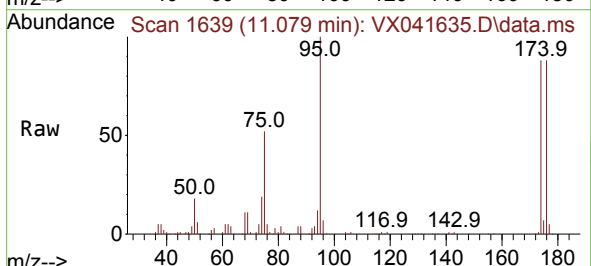
Tgt Ion: 95 Resp: 56432

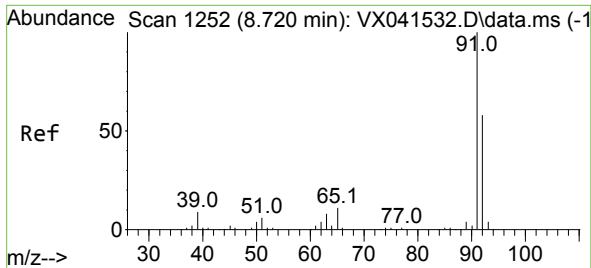
Ion Ratio Lower Upper

95 100

174 95.6 76.6 115.0

176 94.4 75.4 113.0

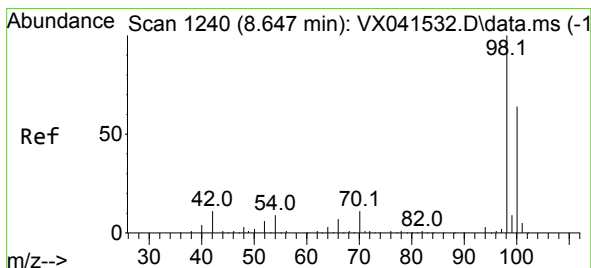
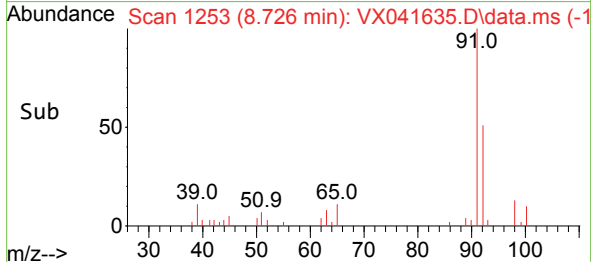
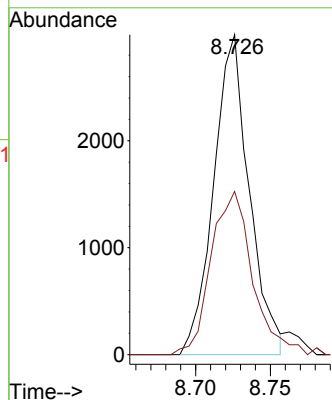
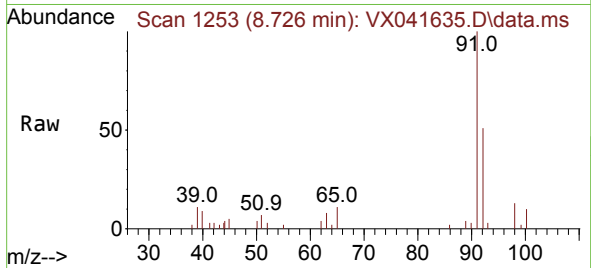




#62
Toluene
Concen: 0.815 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX041635.D
Acq: 23 May 2024 17:42

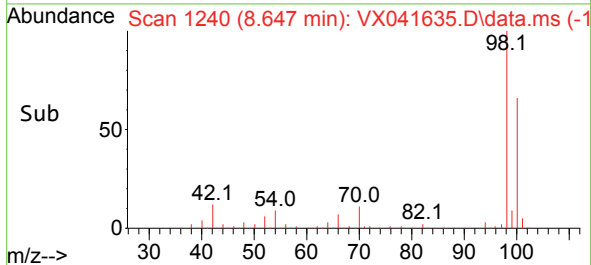
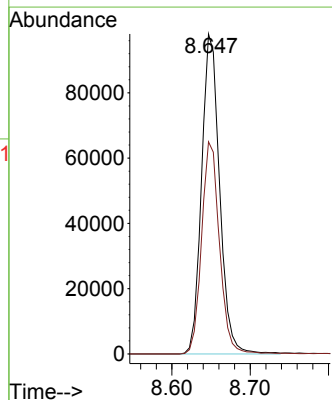
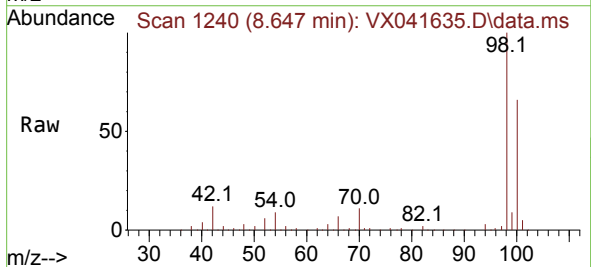
Instrument :
MSVOA_X
ClientSampleId :

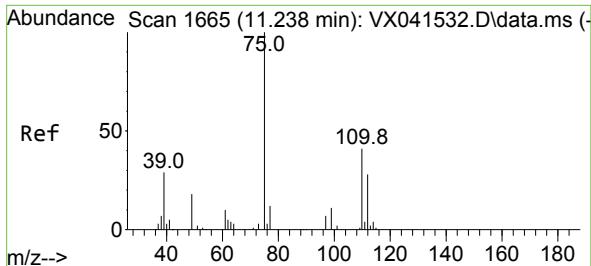
Tgt Ion: 91 Resp: 4951
Ion Ratio Lower Upper
91 100
92 59.3 47.0 70.6



#63
Toluene-d8
Concen: 29.917 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041635.D
Acq: 23 May 2024 17:42

Tgt Ion: 98 Resp: 156564
Ion Ratio Lower Upper
98 100
100 65.5 53.1 79.7

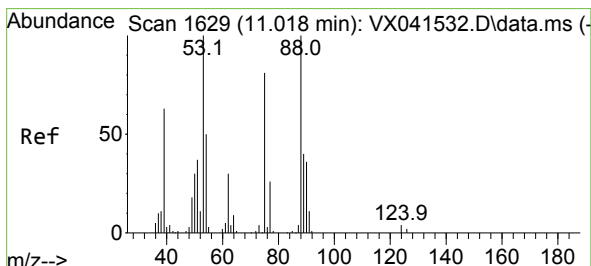
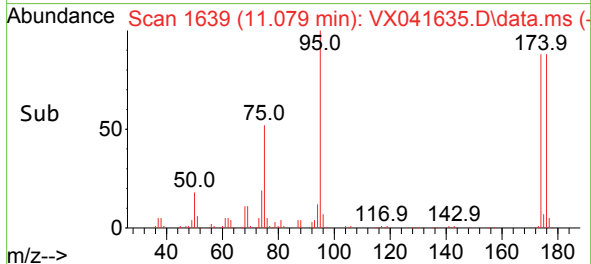
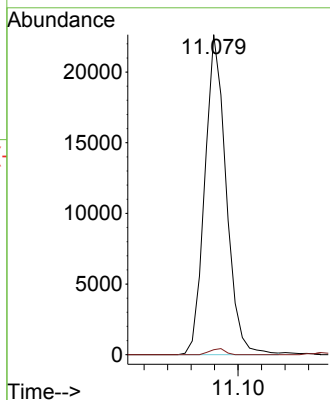
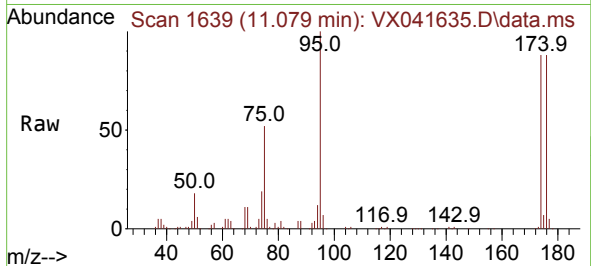




#72
1,2,3-Trichloropropane
Concen: 13.744 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX041635.D
Acq: 23 May 2024 17:42

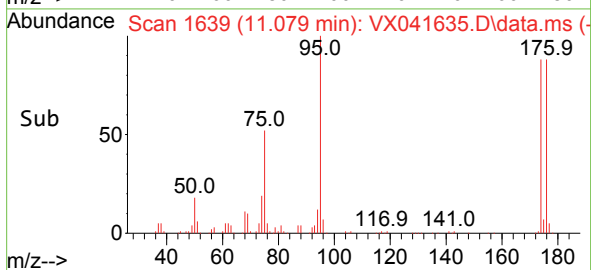
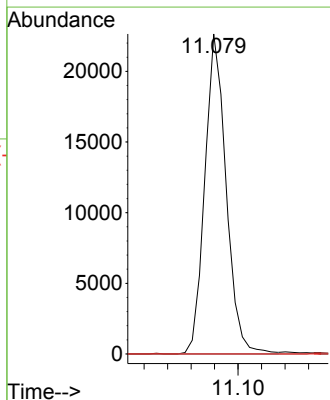
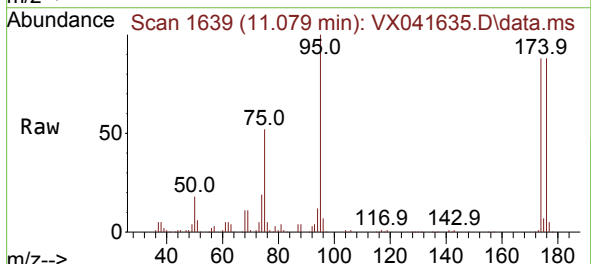
Instrument :
MSVOA_X
ClientSampleId :

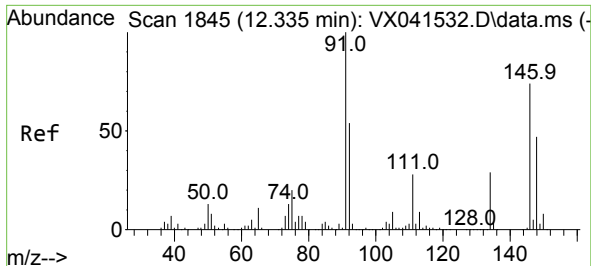
Tgt Ion: 75 Resp: 28568
Ion Ratio Lower Upper
75 100
77 1.4 0.0 78.8



#77
t-1,4-Dichloro-2-butene
Concen: 43.728 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041635.D
Acq: 23 May 2024 17:42

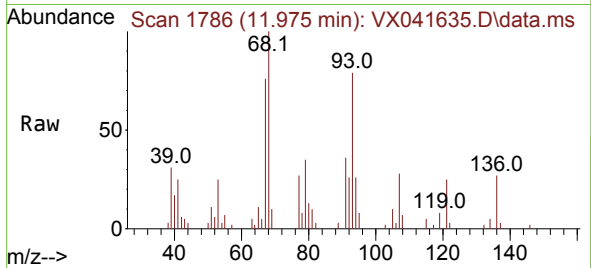
Tgt Ion: 75 Resp: 28568
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#



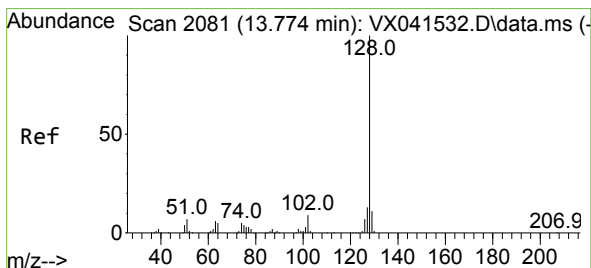
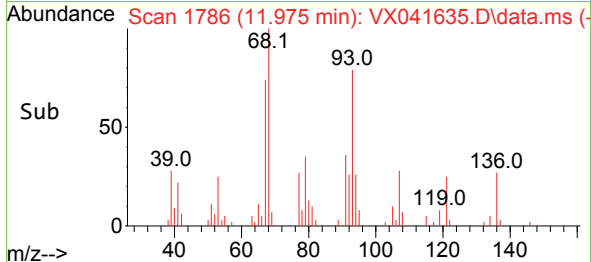
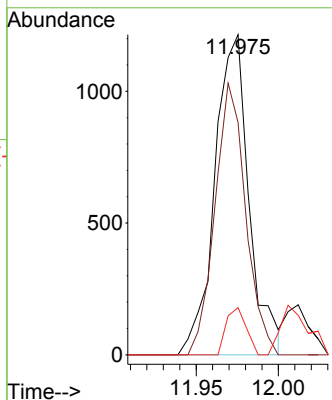


#85
n-Butylbenzene
Concen: 0.351 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.360 min
Lab File: VX041635.D
Acq: 23 May 2024 17:42

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 91 Resp: 1759
Ion Ratio Lower Upper
91 100
92 76.1 0.0 108.4
134 8.6 0.0 56.6



#91
Naphthalene
Concen: 0.333 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041635.D
Acq: 23 May 2024 17:42

Tgt Ion: 128 Resp: 2411
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 9.0 8.8 13.2

