

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100623\
 Data File : VX038155.D
 Acq On : 07 Oct 2023 03:42
 Operator : JC/MD
 Sample : 04802-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 07 06:37:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X100623W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Oct 07 06:30:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

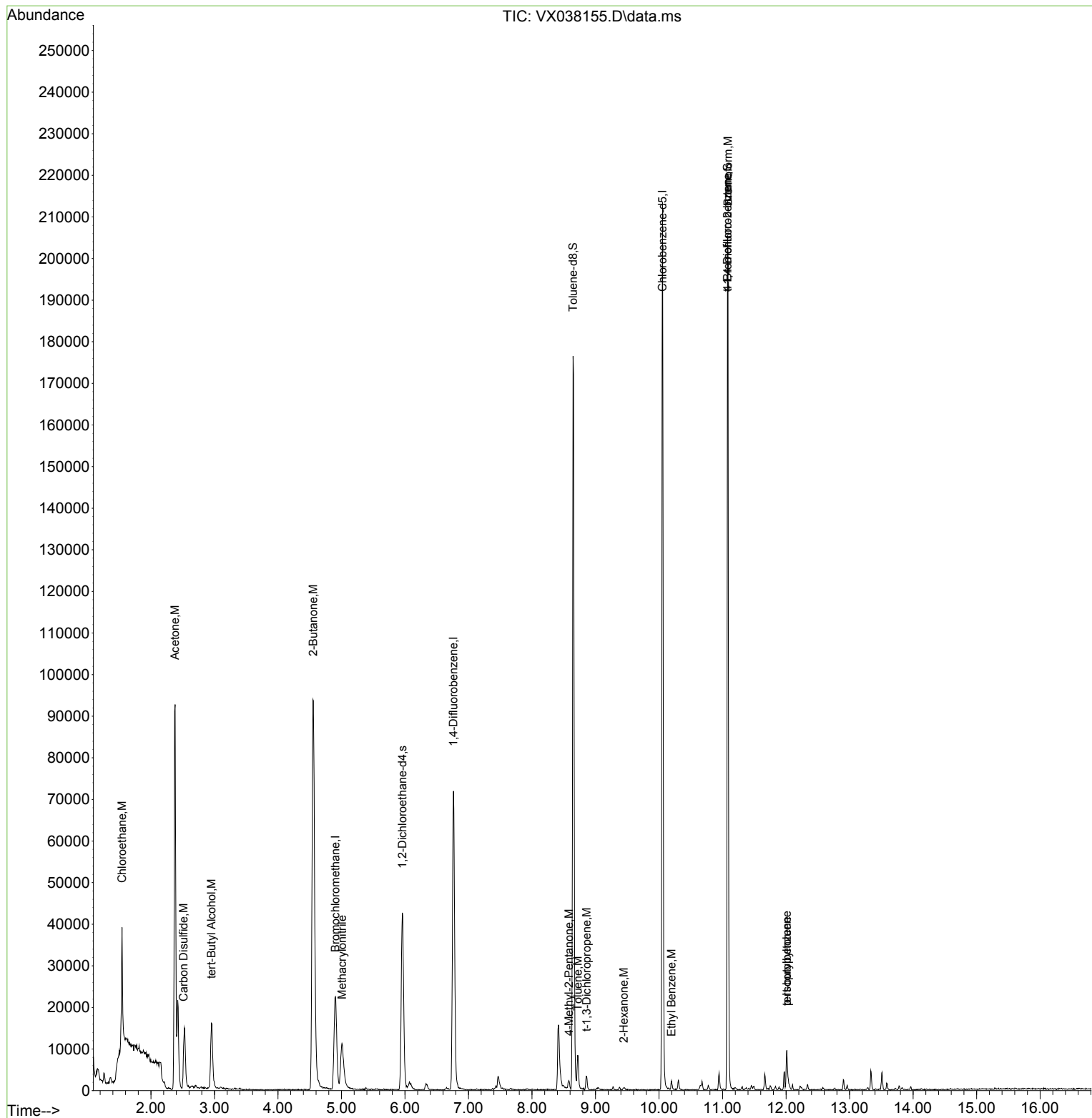
Internal Standards						
1) Bromochloromethane	4.903	128	9530	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	73507	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	92831	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	41093	31.563	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.200%
60) 4-Bromofluorobenzene	11.079	95	52785	27.296	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.000%
63) Toluene-d8	8.647	98	108899	30.294	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.967%
Target Compounds						
					Qvalue	
6) Chloroethane	1.544	64	10252	9.052	ug/l #	56
15) Acetone	2.380	58	31959	142.689	ug/l	94
16) Carbon Disulfide	2.514	76	6698	2.377	ug/l	98
23) tert-Butyl Alcohol	2.953	59	15555	42.074	ug/l #	1
30) 2-Butanone	4.556	43	157808	126.243	ug/l	98
35) Methacrylonitrile	5.007	41	4461	3.812	ug/l #	50
48) t-1,3-Dichloropropene	8.860	75	1054	0.508	ug/l #	41
56) Bromoform	11.085	173	470	0.399	ug/l #	1
58) 4-Methyl-2-Pentanone	8.580	43	1375	0.592	ug/l #	88
59) 2-Hexanone	9.445	43	564	0.302	ug/l #	68
62) Toluene	8.720	91	5595	0.905	ug/l	100
66) Ethyl Benzene	10.195	91	1461	0.208	ug/l	94
77) t-1,4-Dichloro-2-butene	11.079	75	30146	47.452	ug/l #	7
79) tert-butylbenzene	12.012	119	3783	0.655	ug/l	65
82) p-Isopropyltoluene	12.012	119	3783	0.605	ug/l	97

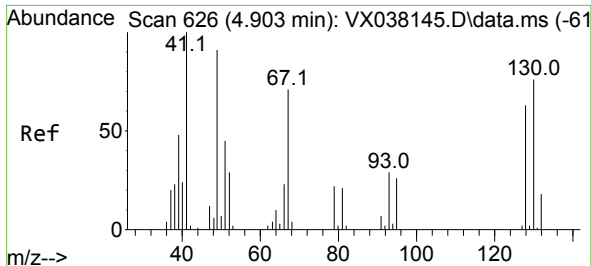
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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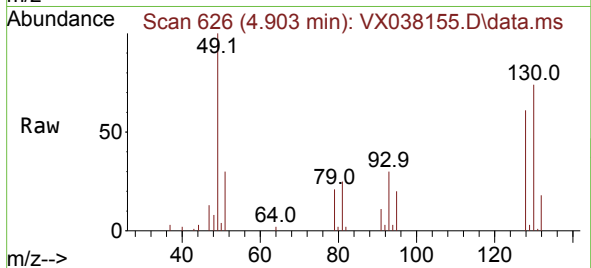
Quant Time: Oct 07 06:37:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X100623W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Oct 07 06:30:32 2023
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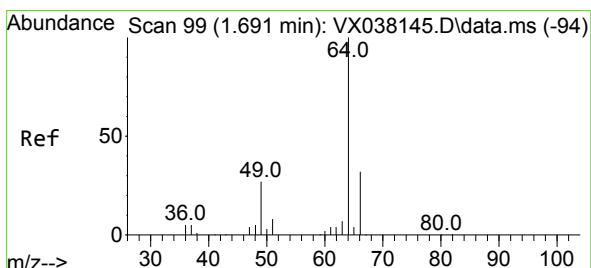
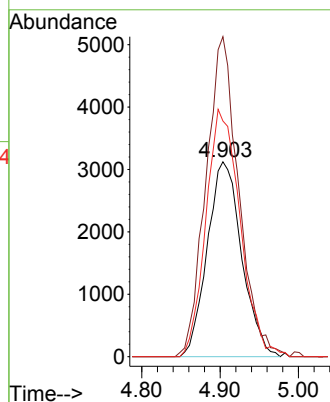
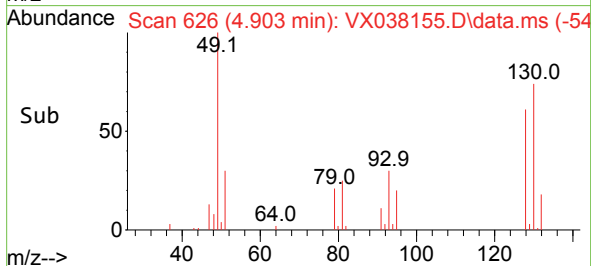


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

Instrument :
MSVOA_X
ClientSampleId :

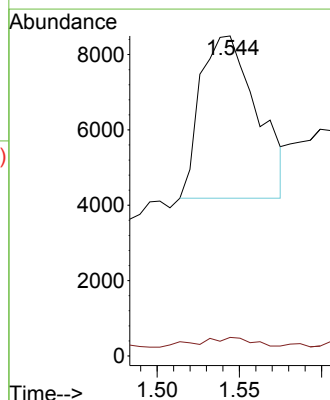
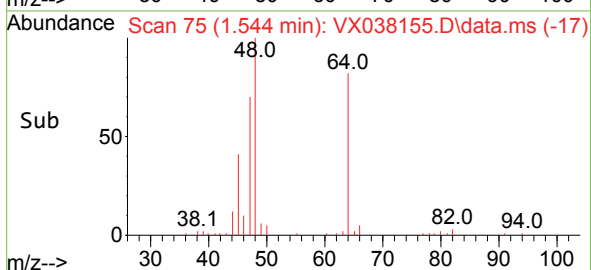
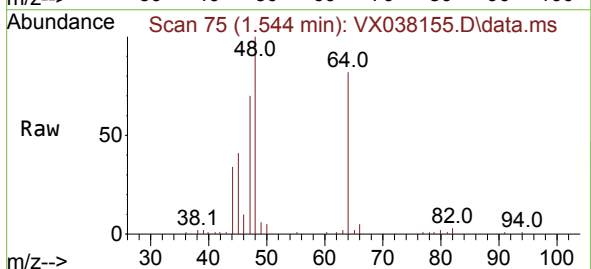


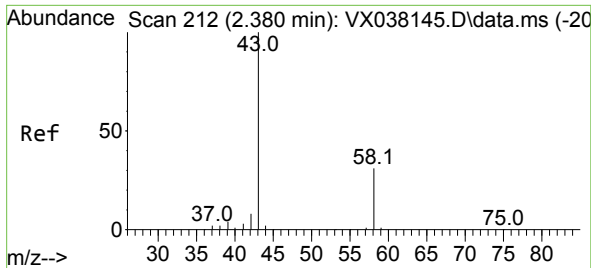
Tgt Ion:128 Resp: 9530
Ion Ratio Lower Upper
128 100
49 156.3 0.0 406.3
130 124.8 0.0 328.0



#6
Chloroethane
Concen: 9.052 ug/l
RT: 1.544 min Scan# 75
Delta R.T. -0.146 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

Tgt Ion: 64 Resp: 10252
Ion Ratio Lower Upper
64 100
66 5.3 23.1 34.7#

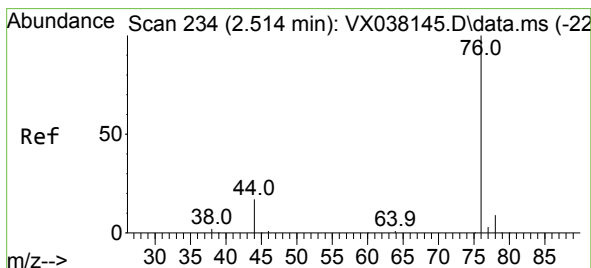
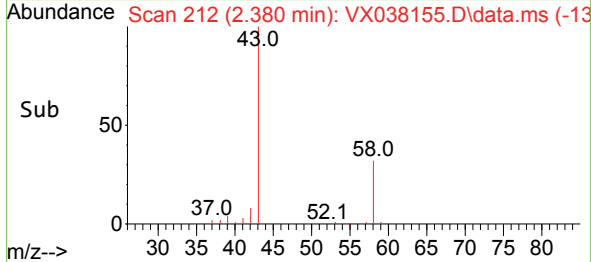
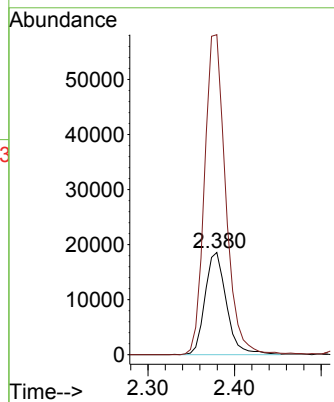
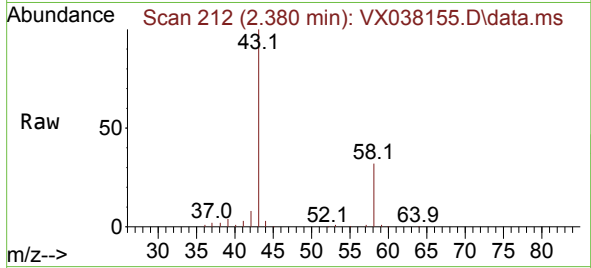




#15
Acetone
Concen: 142.689 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

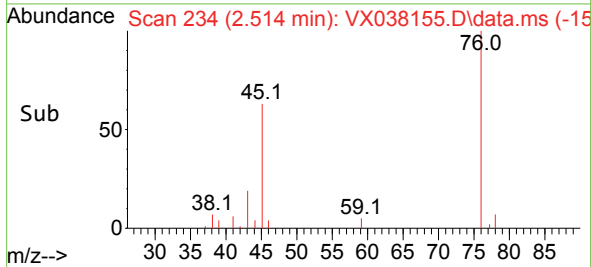
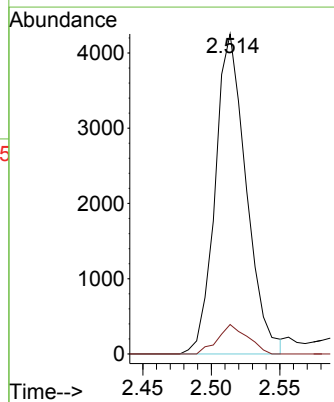
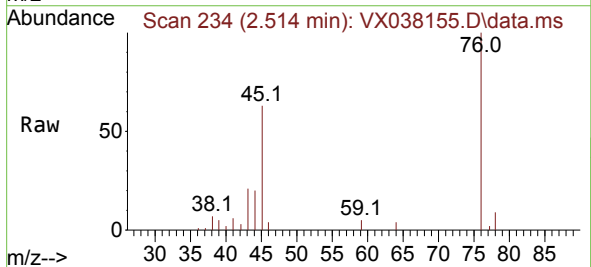
Instrument :
MSVOA_X
ClientSampleId :

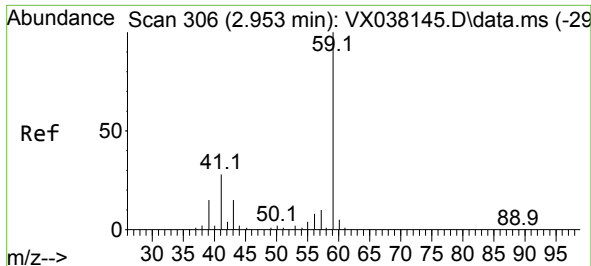
Tgt Ion: 58 Resp: 31959
Ion Ratio Lower Upper
58 100
43 313.0 261.0 391.4



#16
Carbon Disulfide
Concen: 2.377 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

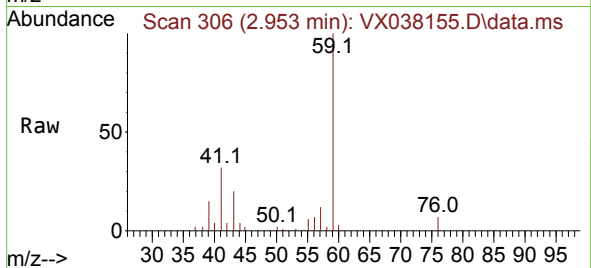
Tgt Ion: 76 Resp: 6698
Ion Ratio Lower Upper
76 100
78 9.2 8.0 12.0



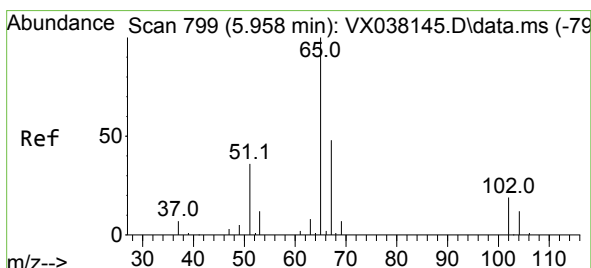
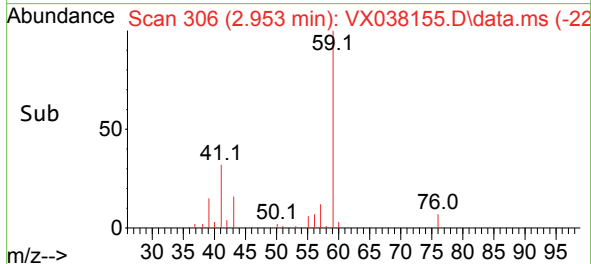
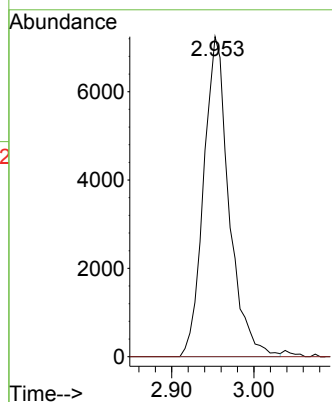


#23
tert-Butyl Alcohol
Concen: 42.074 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

Instrument :
MSVOA_X
ClientSampleId :

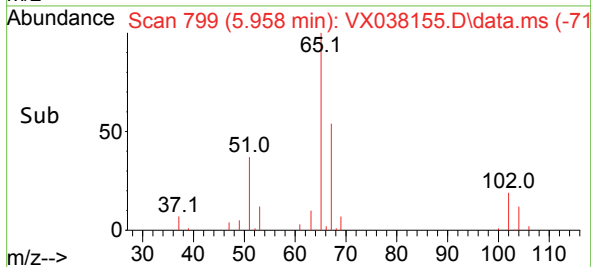
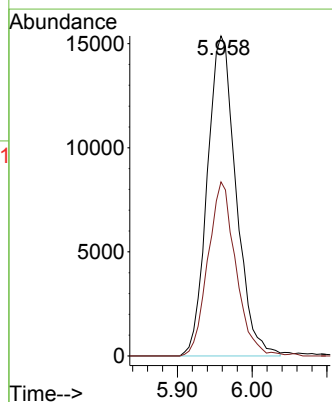
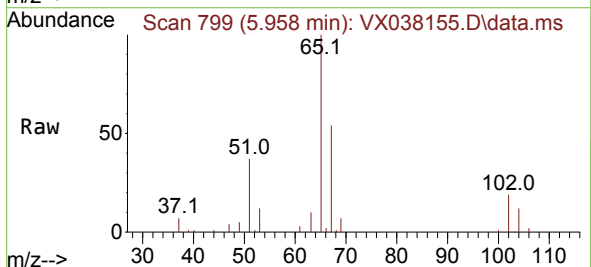


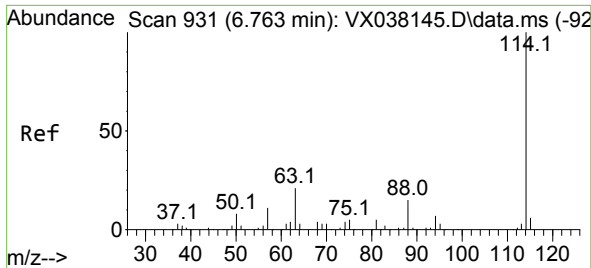
Tgt Ion: 59 Resp: 15555
Ion Ratio Lower Upper
59 100
52 0.0 142.6 213.8#



#27
1,2-Dichloroethane-d4
Concen: 31.563 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

Tgt Ion: 65 Resp: 41093
Ion Ratio Lower Upper
65 100
67 52.2 42.1 63.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX038155.D

Acq: 07 Oct 2023 03:42

Instrument :

MSVOA_X

ClientSampleId :

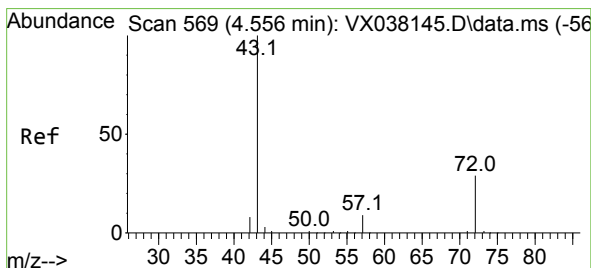
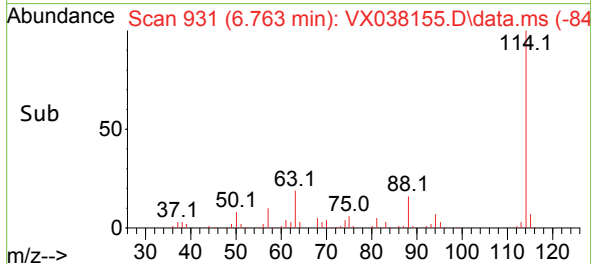
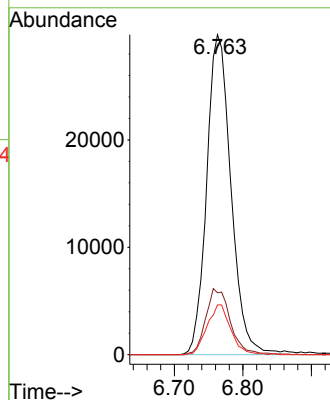
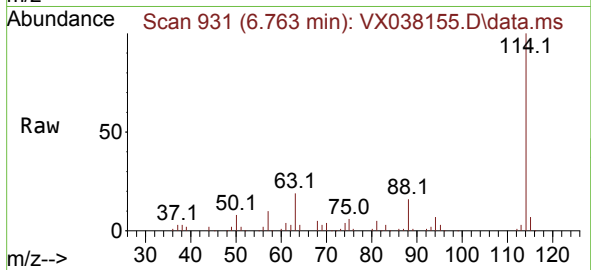
Tgt Ion:114 Resp: 73507

Ion Ratio Lower Upper

114 100

63 20.6 16.6 24.8

88 15.1 12.9 19.3



#30

2-Butanone

Concen: 126.243 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.000 min

Lab File: VX038155.D

Acq: 07 Oct 2023 03:42

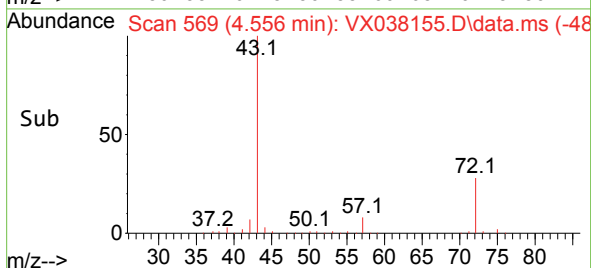
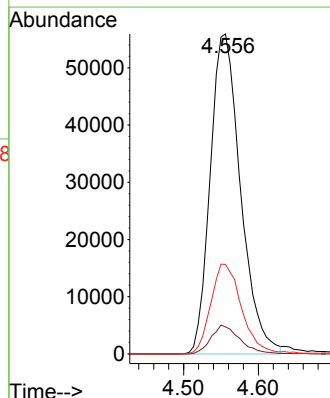
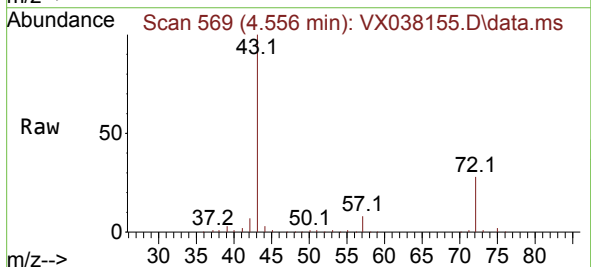
Tgt Ion: 43 Resp: 157808

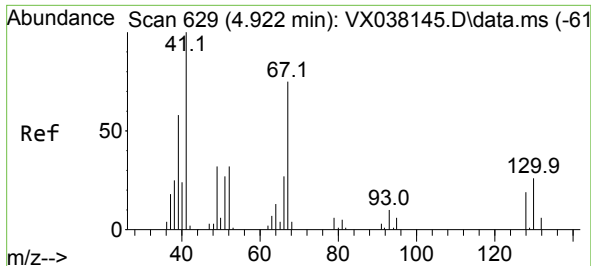
Ion Ratio Lower Upper

43 100

57 8.6 6.4 9.6

72 28.3 21.6 32.4

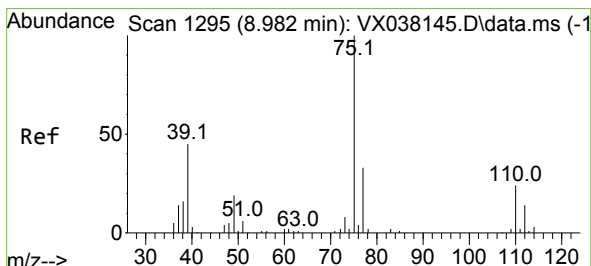
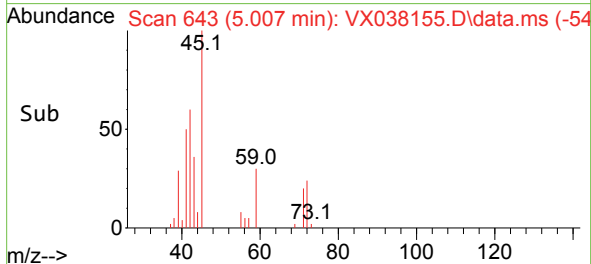
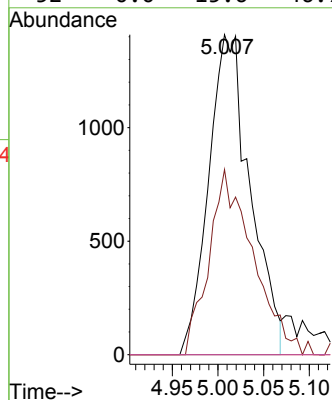
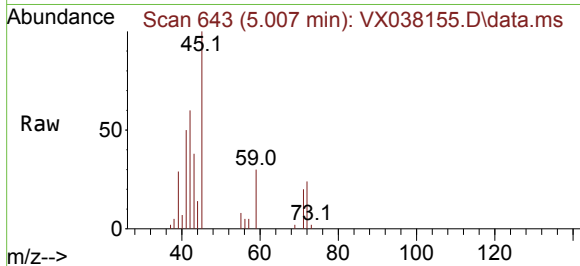




#35
Methacrylonitrile
Concen: 3.812 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.085 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

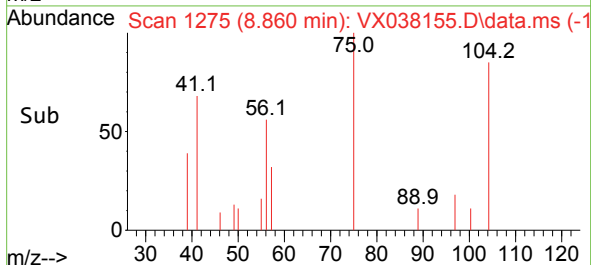
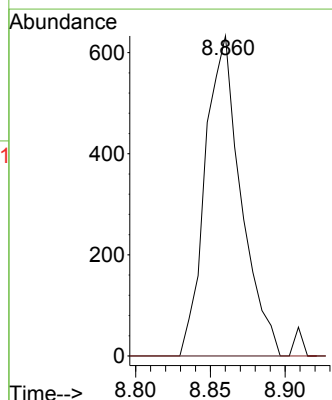
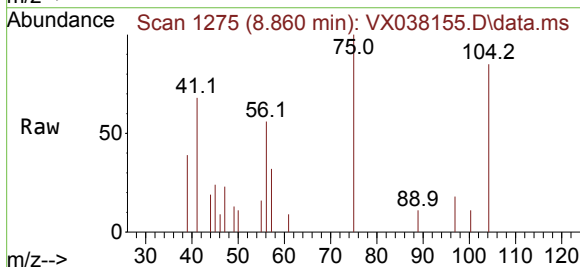
Instrument :
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ClientSampleId :

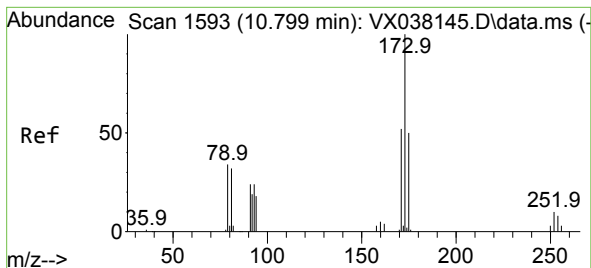
Tgt Ion: 41 Resp: 4461
Ion Ratio Lower Upper
41 100
39 57.8 28.2 84.7
67 0.0 35.0 105.1#
52 0.0 15.6 46.7#



#48
t-1,3-Dichloropropene
Concen: 0.508 ug/l
RT: 8.860 min Scan# 1275
Delta R.T. -0.122 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

Tgt Ion: 75 Resp: 1054
Ion Ratio Lower Upper
75 100
77 0.0 26.8 40.2#





#56

Bromoform

Concen: 0.399 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.287 min

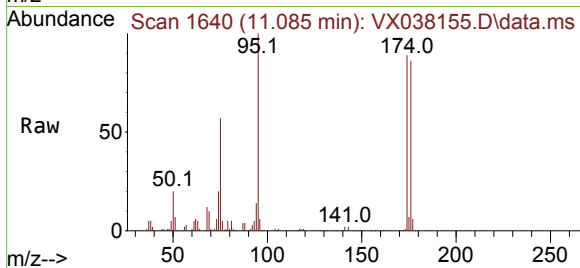
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Acq: 07 Oct 2023 03:42

Instrument :

MSVOA_X

ClientSampleId :



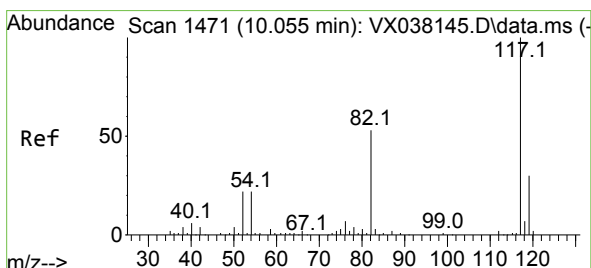
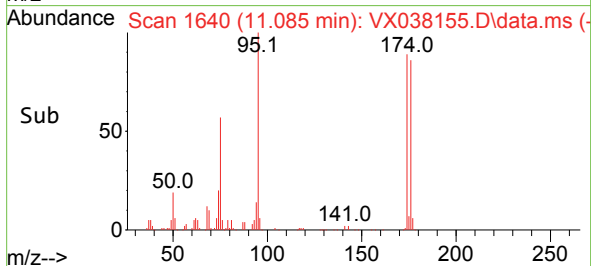
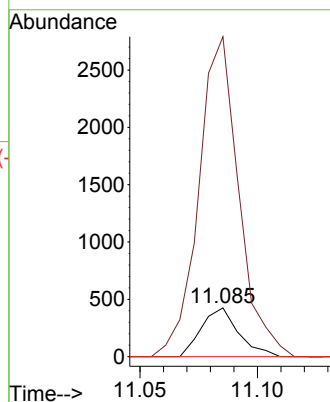
Tgt Ion:173 Resp: 470

Ion Ratio Lower Upper

173 100

175 706.2 38.1 57.1#

254 0.0 6.7 10.1#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX038155.D

Acq: 07 Oct 2023 03:42

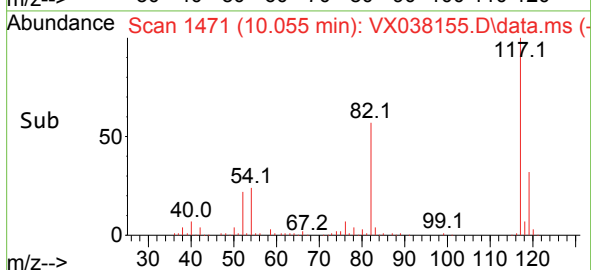
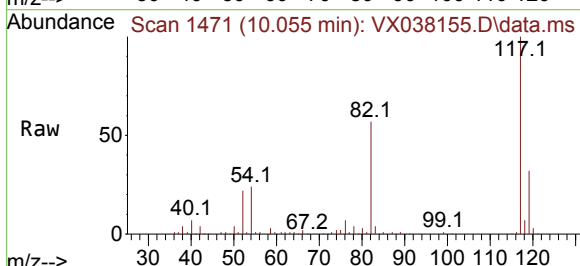
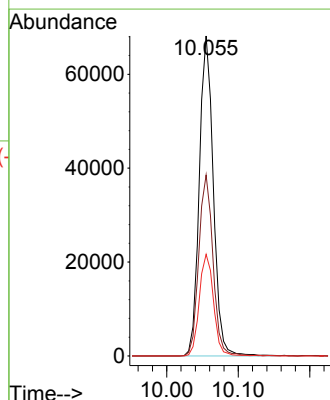
Tgt Ion:117 Resp: 92831

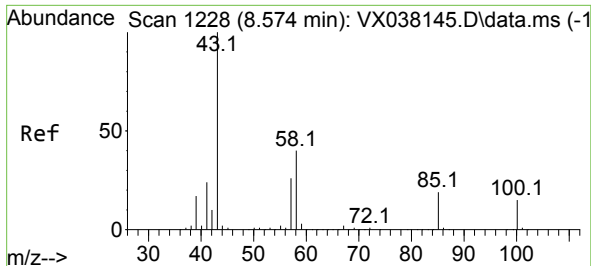
Ion Ratio Lower Upper

117 100

82 57.3 44.7 67.1

119 32.1 25.6 38.4





#58

4-Methyl-2-Pentanone

Concen: 0.592 ug/l

RT: 8.580 min Scan# 1375

Delta R.T. 0.006 min

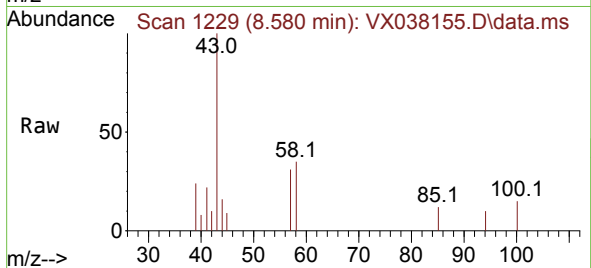
Lab File: VX038155.D

Acq: 07 Oct 2023 03:42

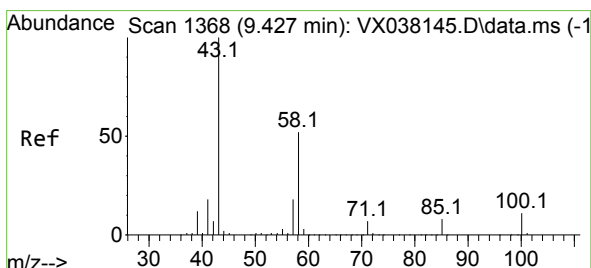
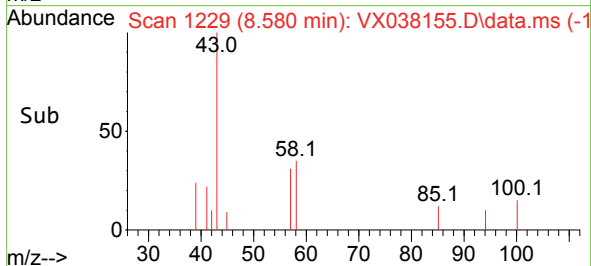
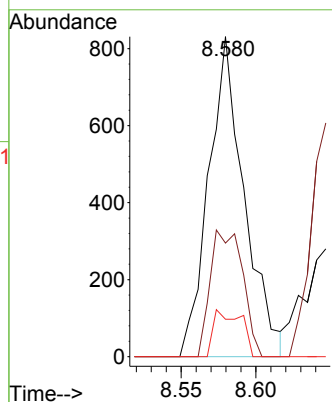
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	1375
Ion	Ratio	Lower	Upper
43	100		
58	36.0	30.9	46.3
85	5.8	14.4	21.6#



#59

2-Hexanone

Concen: 0.302 ug/l

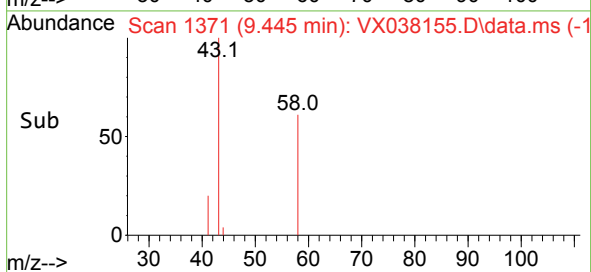
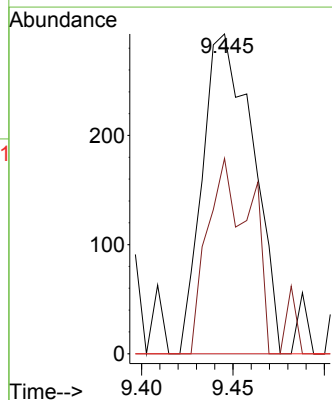
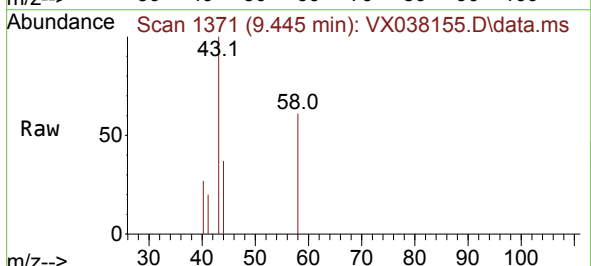
RT: 9.445 min Scan# 1371

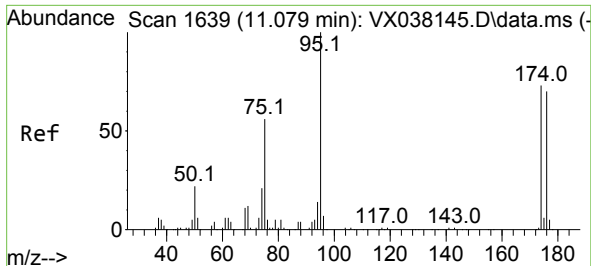
Delta R.T. 0.018 min

Lab File: VX038155.D

Acq: 07 Oct 2023 03:42

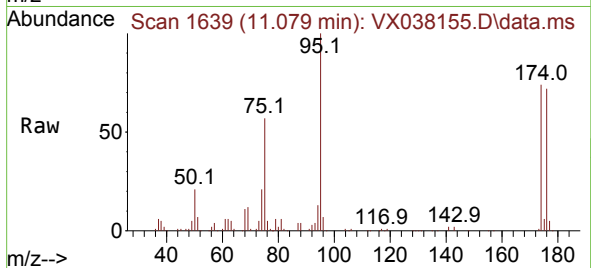
Tgt Ion:	43	Resp:	564
Ion	Ratio	Lower	Upper
43	100		
58	34.0	43.4	65.2#
57	0.0	15.1	22.7#



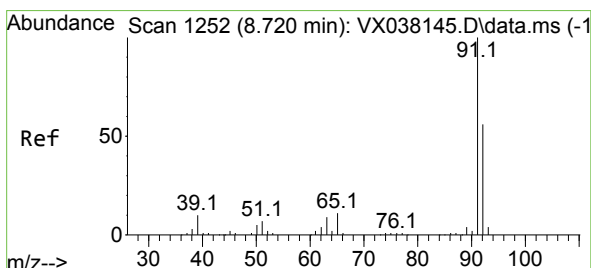
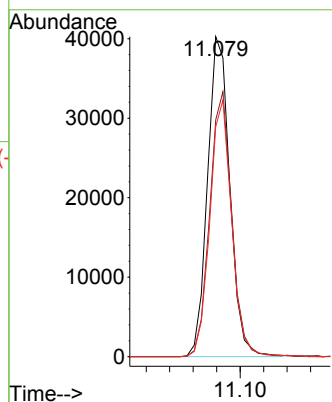
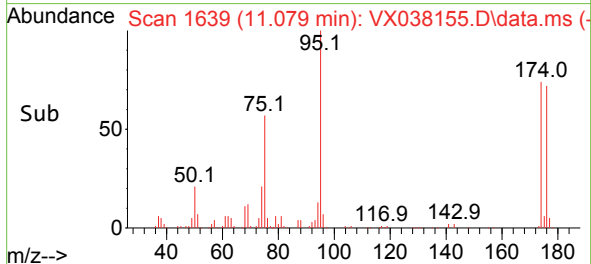


#60
4-Bromofluorobenzene
Concen: 27.296 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

Instrument :
MSVOA_X
ClientSampleId :

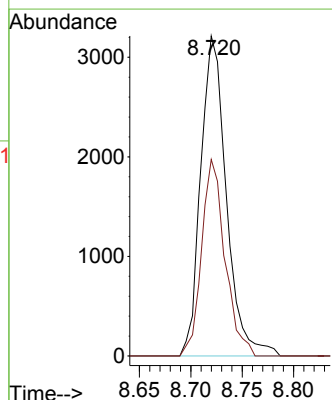
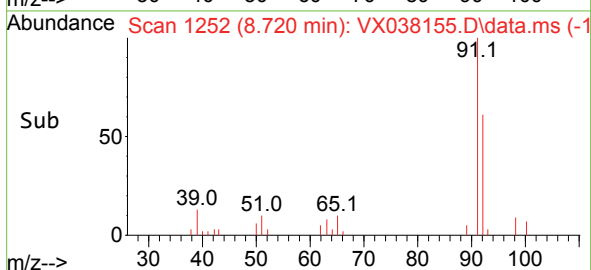
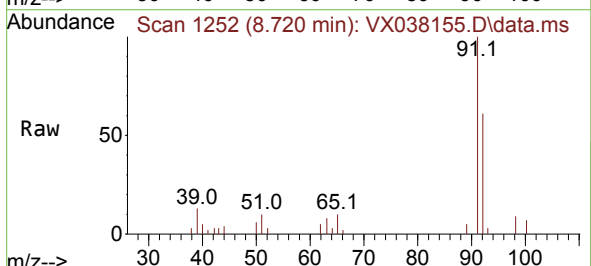


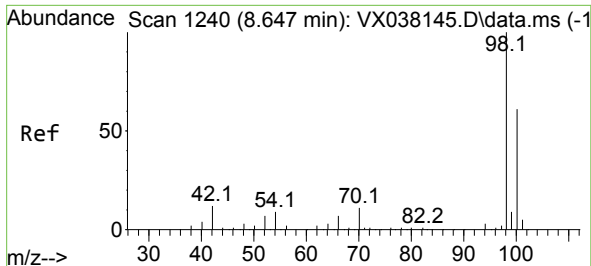
Tgt Ion: 95 Resp: 52785
Ion Ratio Lower Upper
95 100
174 82.2 60.5 90.7
176 78.8 58.2 87.4



#62
Toluene
Concen: 0.905 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

Tgt Ion: 91 Resp: 5595
Ion Ratio Lower Upper
91 100
92 55.9 44.9 67.3

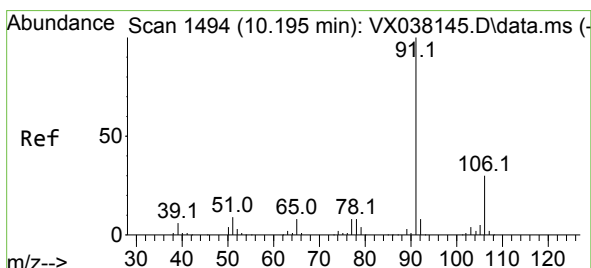
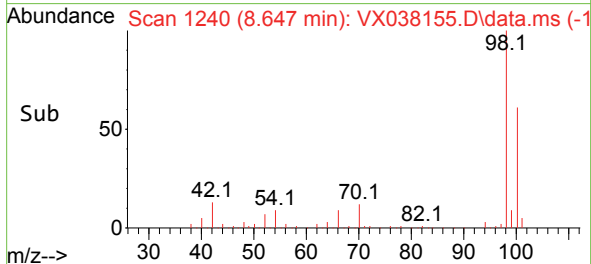
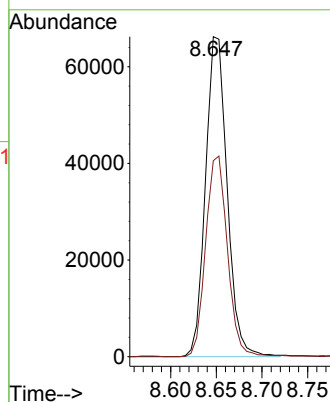
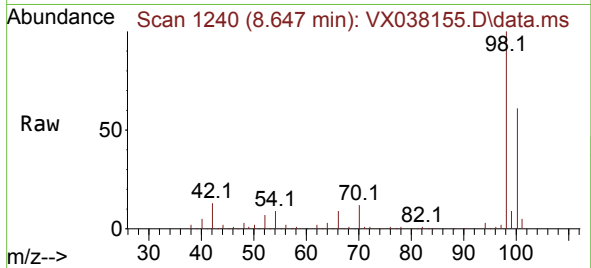




#63
Toluene-d8
Concen: 30.294 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

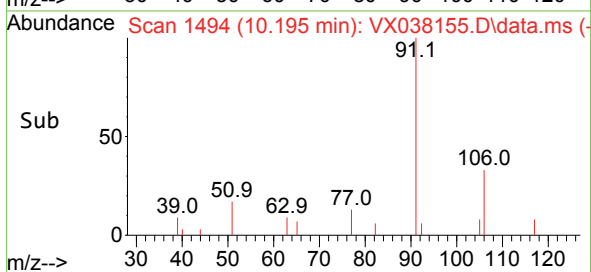
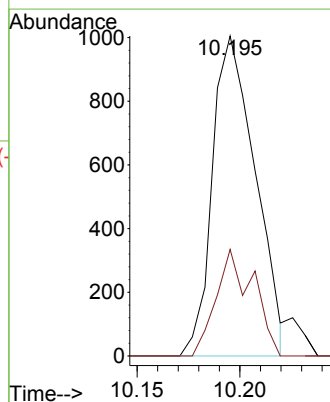
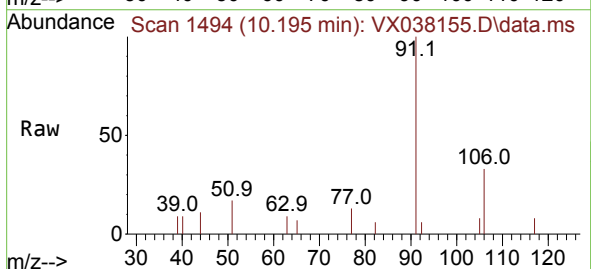
Instrument :
MSVOA_X
ClientSampleId :

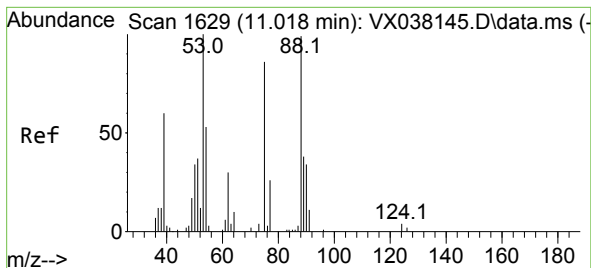
Tgt Ion: 98 Resp: 108899
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4



#66
Ethyl Benzene
Concen: 0.208 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

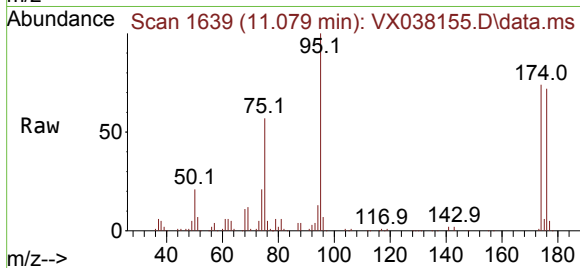
Tgt Ion: 91 Resp: 1461
Ion Ratio Lower Upper
91 100
106 33.3 24.2 36.4



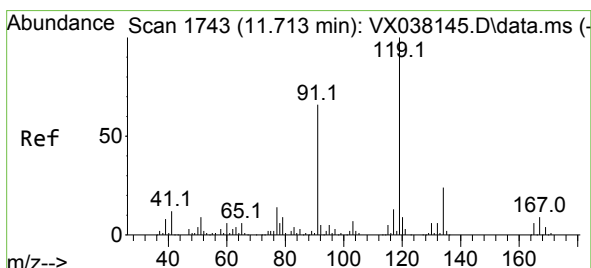
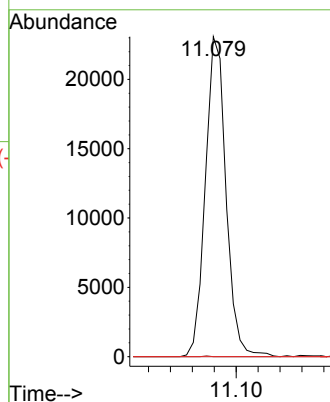
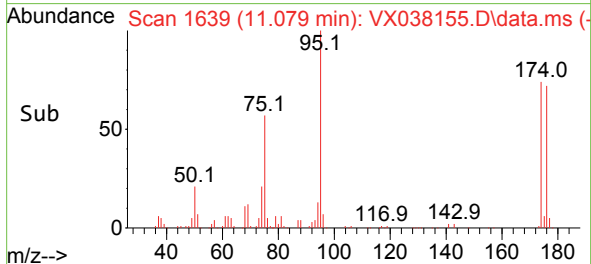


#77
t-1,4-Dichloro-2-butene
Concen: 47.452 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

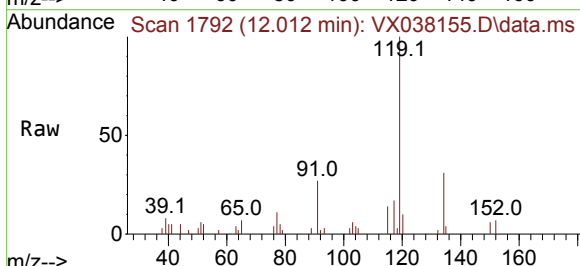
Instrument :
MSVOA_X
ClientSampleId :



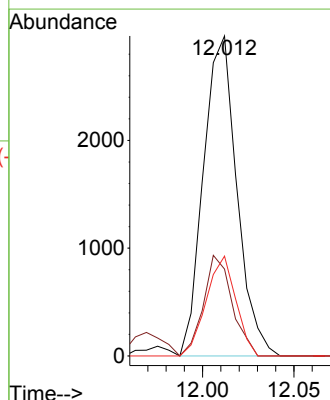
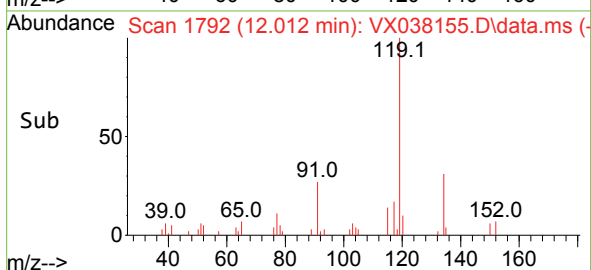
Tgt Ion: 75 Resp: 30146
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.1 66.1#

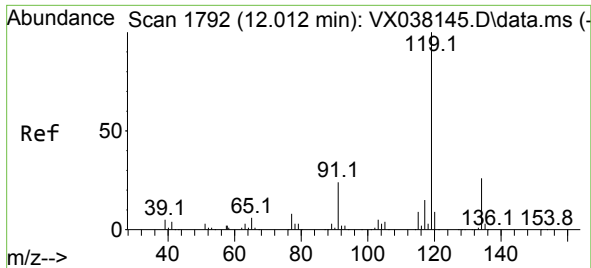


#79
tert-butylbenzene
Concen: 0.655 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.299 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42



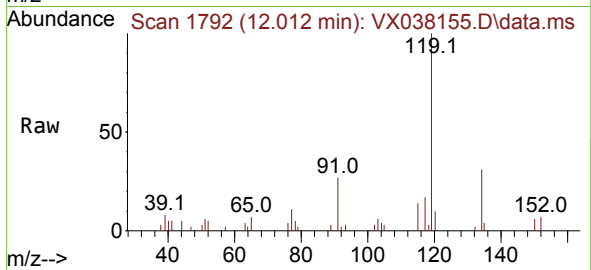
Tgt Ion: 119 Resp: 3783
Ion Ratio Lower Upper
119 100
91 27.0 0.0 124.4
134 27.6 0.0 47.2





#82
 p-Isopropyltoluene
 Concen: 0.605 ug/l
 RT: 12.012 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038155.D
 Acq: 07 Oct 2023 03:42

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	0.0	53.2
91	27.0	0.0	49.4

