

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100623\
 Data File : VX038154.D
 Acq On : 07 Oct 2023 03:19
 Operator : JC/MD
 Sample : 04783-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 231003027-03RE

Quant Time: Oct 07 06:37:00 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)

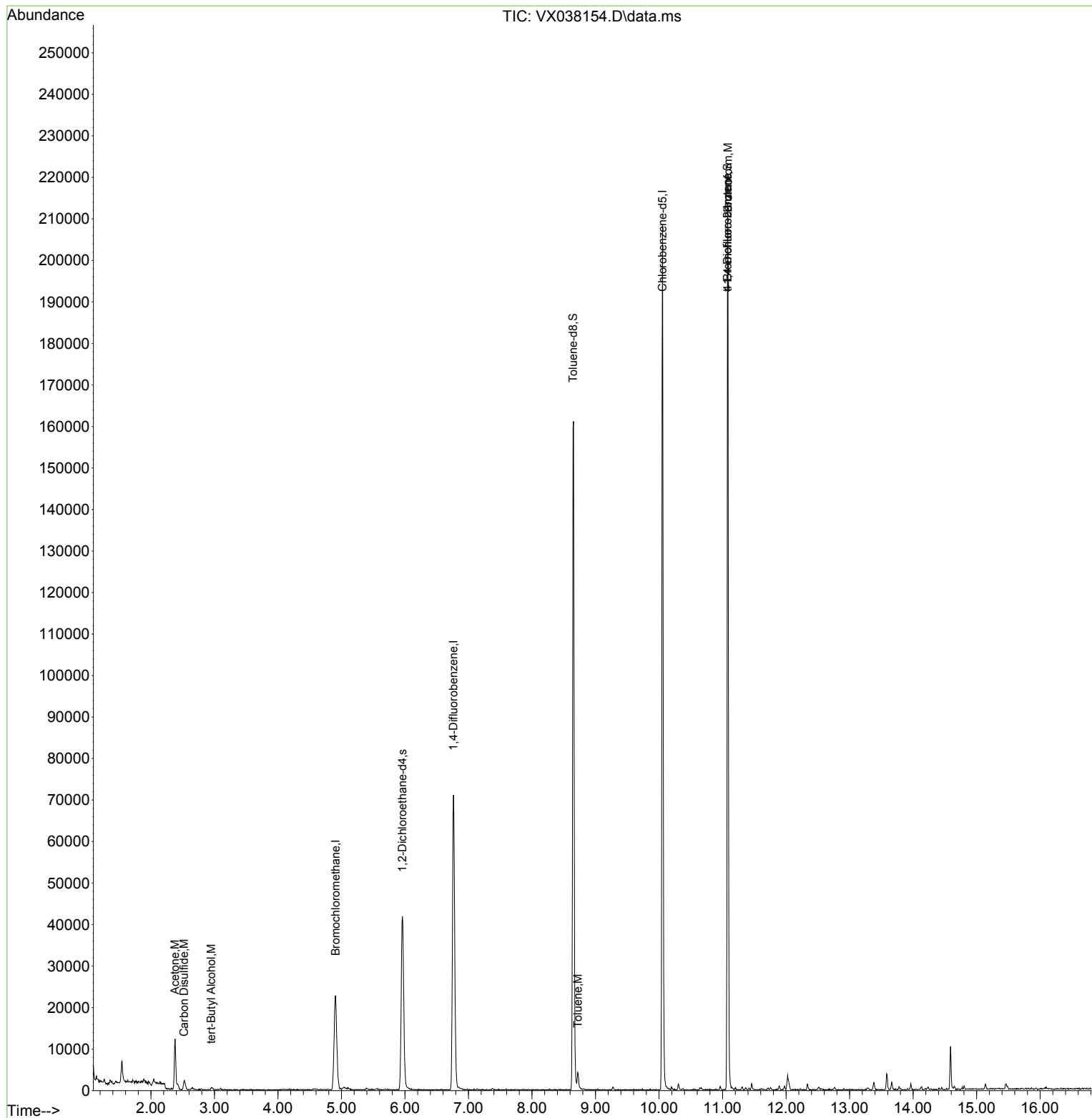
Internal Standards						
1) Bromochloromethane	4.909	128	9434	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	73585	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	91243	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	41606	32.282	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.600%
60) 4-Bromofluorobenzene	11.079	95	54473	28.659	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.533%
63) Toluene-d8	8.646	98	101721	28.790	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.967%
Target Compounds						
					Qvalue	
15) Acetone	2.379	58	4079	18.397	ug/l	93
16) Carbon Disulfide	2.519	76	1221	0.438	ug/l #	90
23) tert-Butyl Alcohol	2.946	59	738	2.016	ug/l #	1
56) Bromoform	11.085	173	435	0.369	ug/l #	1
62) Toluene	8.720	91	2480	0.408	ug/l	97
77) t-1,4-Dichloro-2-butene	11.079	75	30721	49.199	ug/l #	7

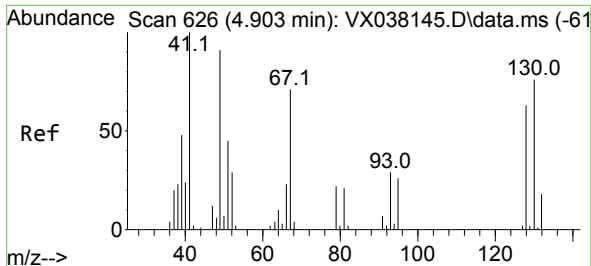
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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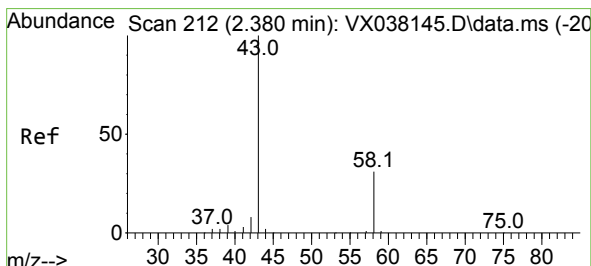
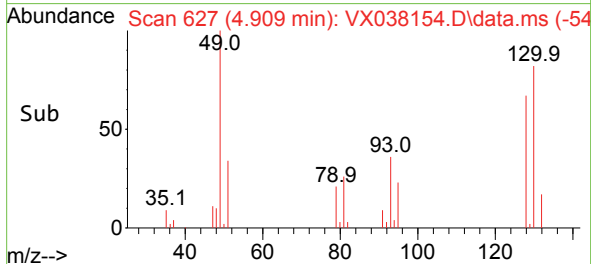
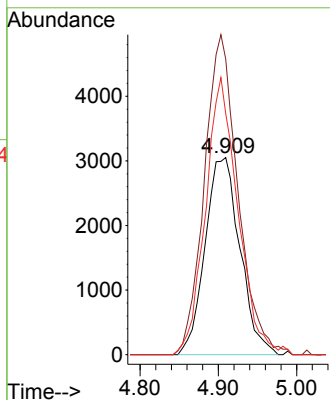
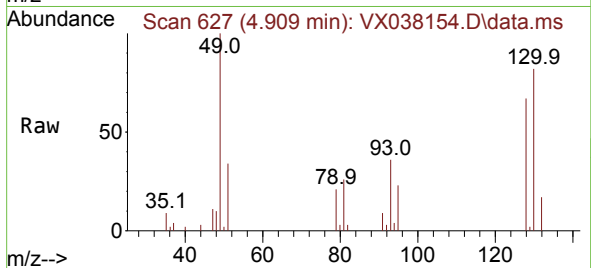




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.909 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX038154.D
Acq: 07 Oct 2023 03:19

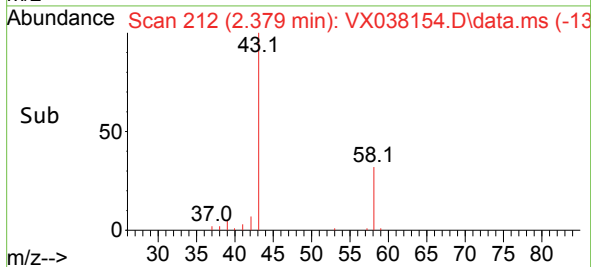
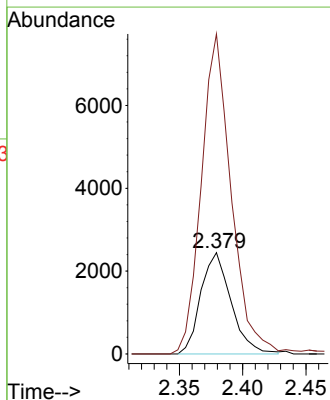
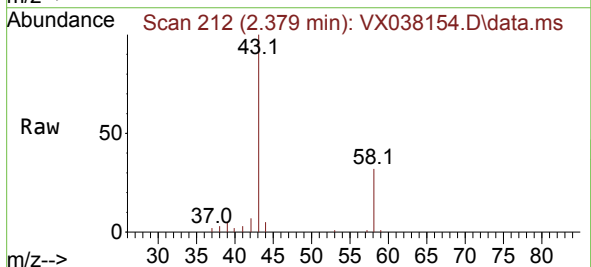
Instrument :
MSVOA_X
ClientSampleId :
231003027-03RE

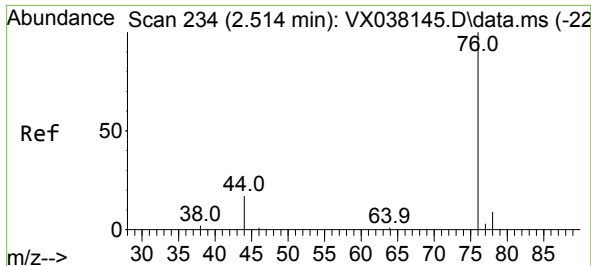
Tgt Ion:128 Resp: 9434
Ion Ratio Lower Upper
128 100
49 156.6 0.0 406.3
130 130.5 0.0 328.0



#15
Acetone
Concen: 18.397 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038154.D
Acq: 07 Oct 2023 03:19

Tgt Ion: 58 Resp: 4079
Ion Ratio Lower Upper
58 100
43 312.5 261.0 391.4

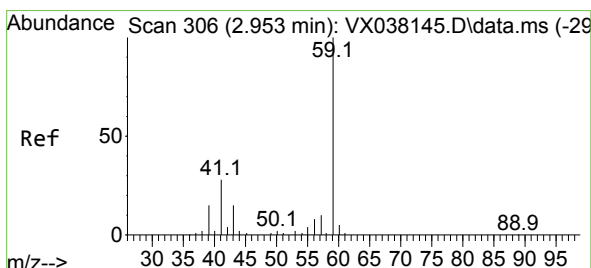
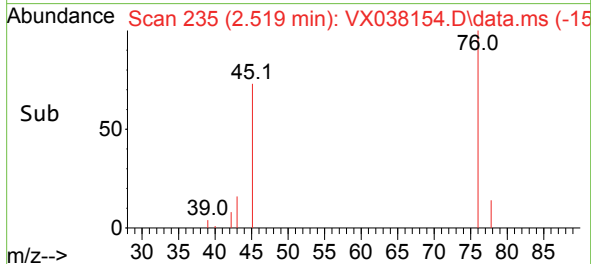
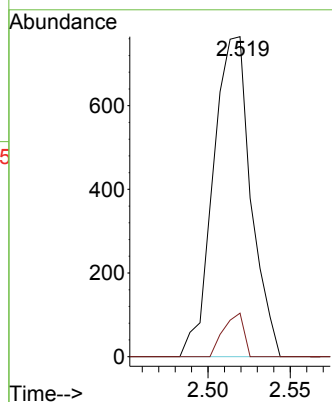
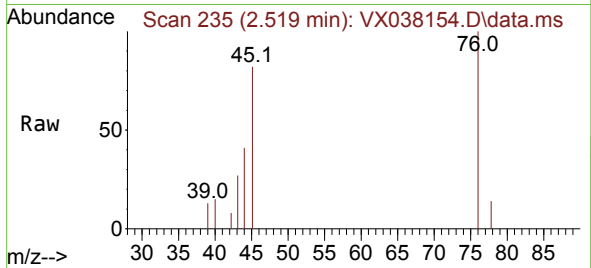




#16
Carbon Disulfide
Concen: 0.438 ug/l
RT: 2.519 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038154.D
Acq: 07 Oct 2023 03:19

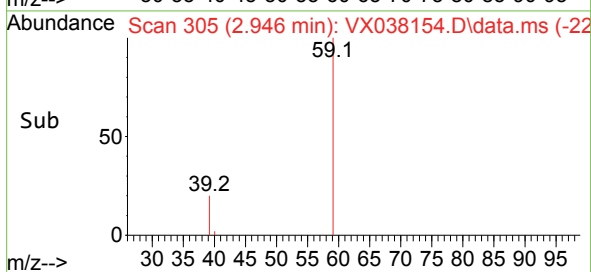
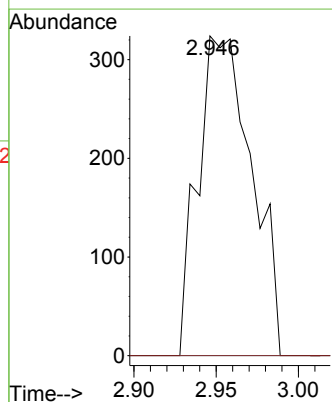
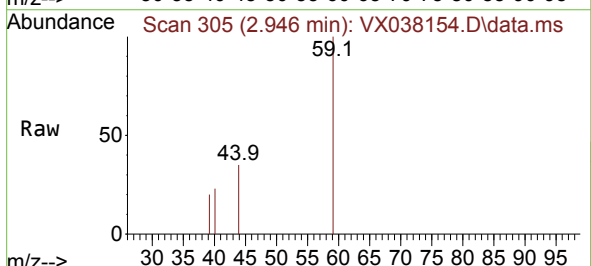
Instrument :
MSVOA_X
ClientSampleId :
231003027-03RE

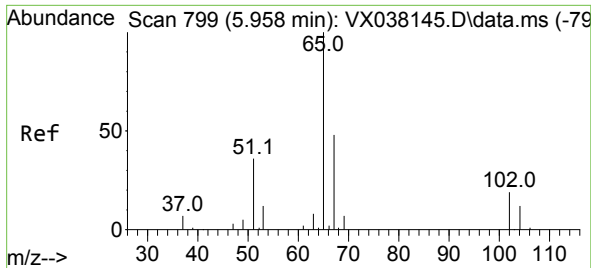
Tgt Ion: 76 Resp: 1221
Ion Ratio Lower Upper
76 100
78 13.6 8.0 12.0#



#23
tert-Butyl Alcohol
Concen: 2.016 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX038154.D
Acq: 07 Oct 2023 03:19

Tgt Ion: 59 Resp: 738
Ion Ratio Lower Upper
59 100
52 9.3 142.6 213.8#

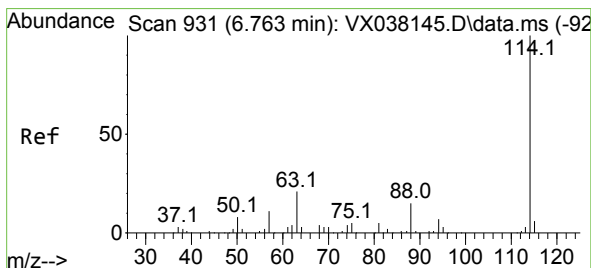
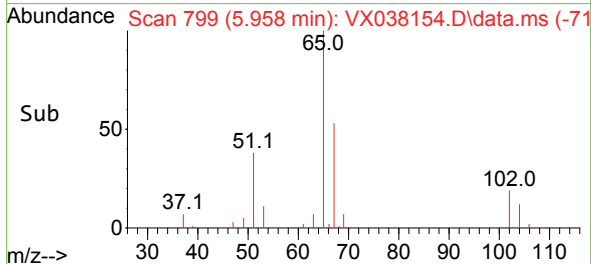
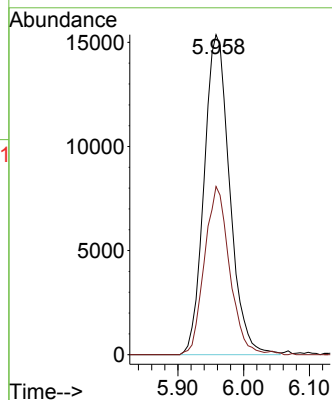
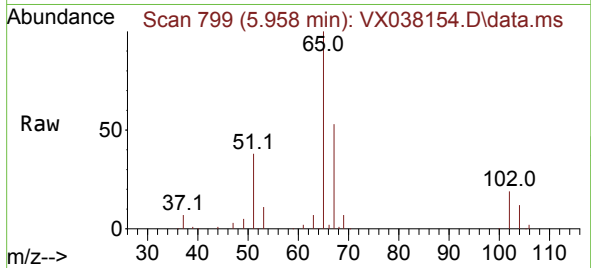




#27
 1,2-Dichloroethane-d4
 Concen: 32.282 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX038154.D
 Acq: 07 Oct 2023 03:19

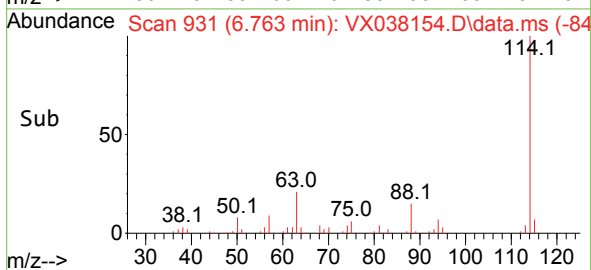
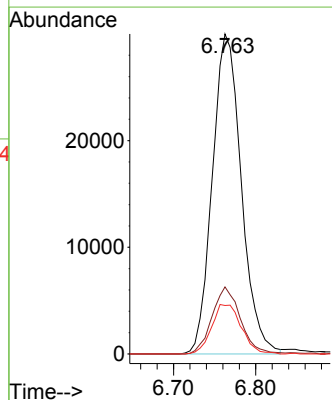
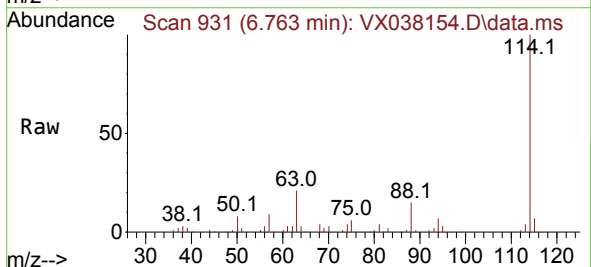
Instrument :
 MSVOA_X
 ClientSampleId :
 231003027-03RE

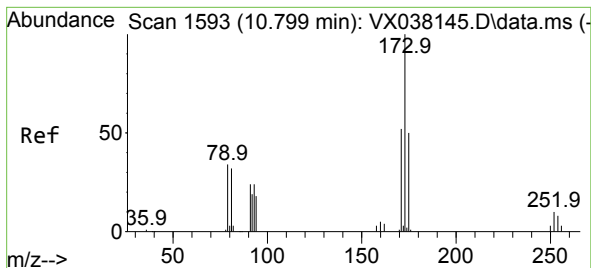
Tgt Ion: 65 Resp: 41606
 Ion Ratio Lower Upper
 65 100
 67 51.4 42.1 63.1



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX038154.D
 Acq: 07 Oct 2023 03:19

Tgt Ion: 114 Resp: 73585
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.6 24.8
 88 15.8 12.9 19.3





#56

Bromoform

Concen: 0.369 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.286 min

Lab File: VX038154.D

Acq: 07 Oct 2023 03:19

Instrument :

MSVOA_X

ClientSampleId :

231003027-03RE

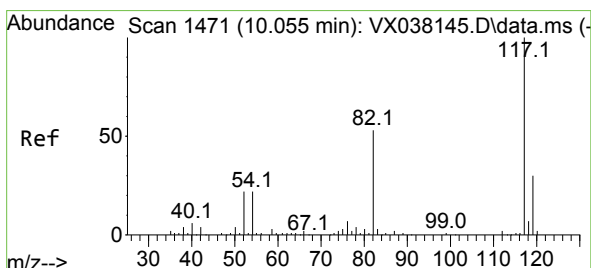
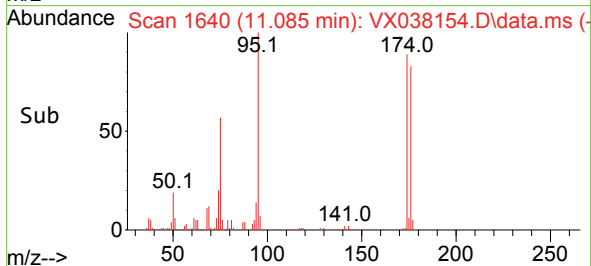
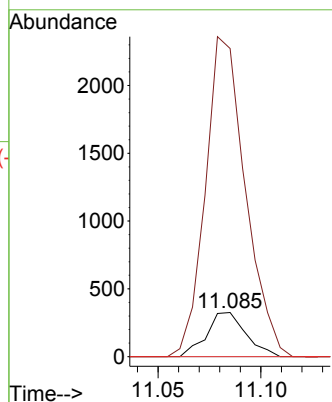
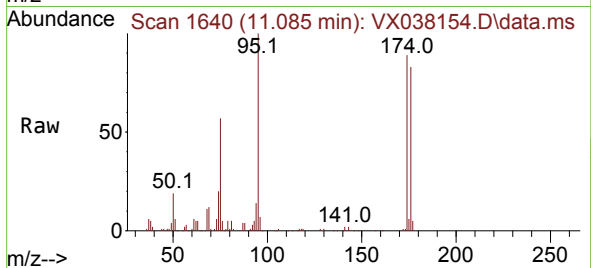
Tgt Ion:173 Resp: 435

Ion Ratio Lower Upper

173 100

175 735.2 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: VX038154.D

Acq: 07 Oct 2023 03:19

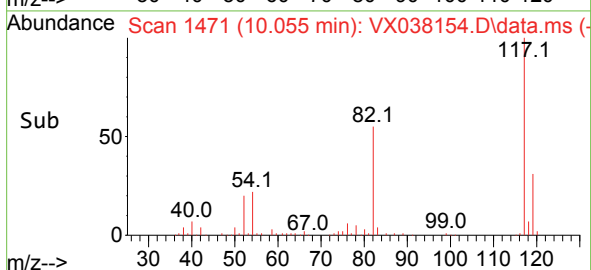
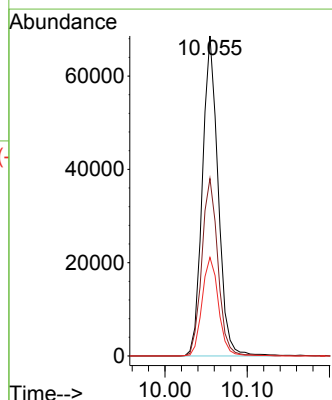
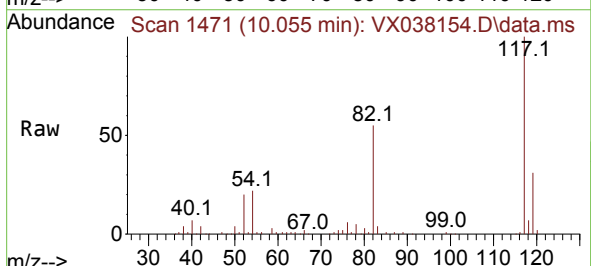
Tgt Ion:117 Resp: 91243

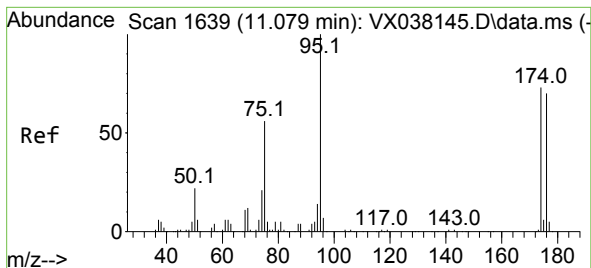
Ion Ratio Lower Upper

117 100

82 56.3 44.7 67.1

119 32.1 25.6 38.4

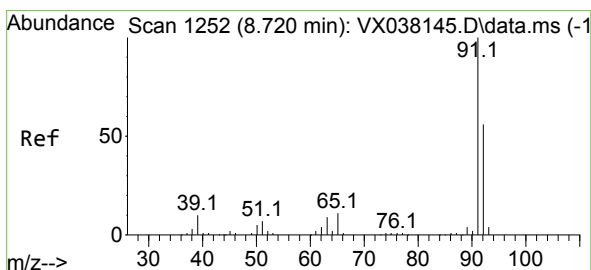
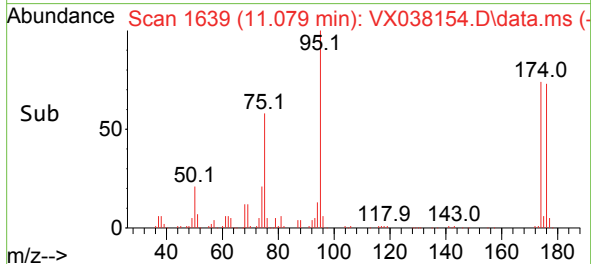
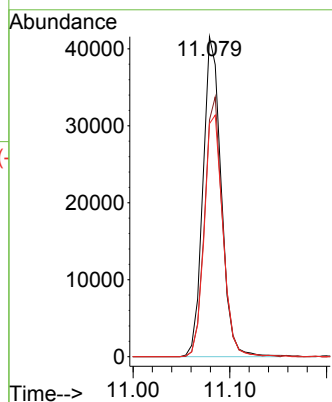
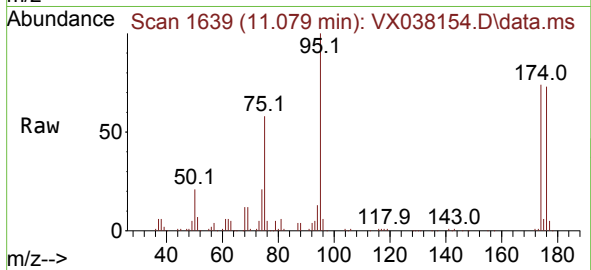




#60
4-Bromofluorobenzene
Concen: 28.659 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX038154.D
Acq: 07 Oct 2023 03:19

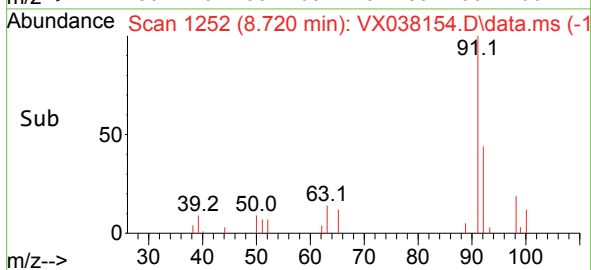
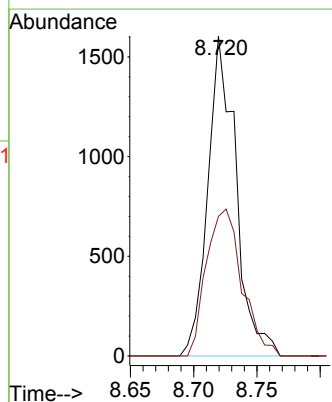
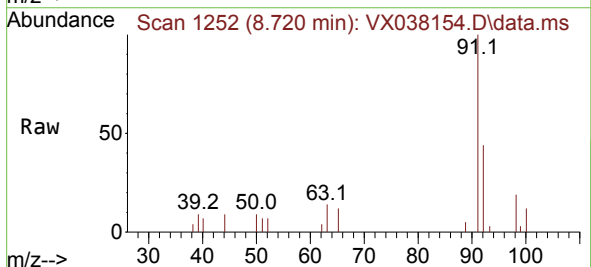
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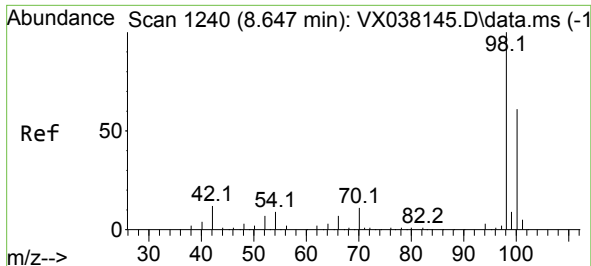
Tgt Ion: 95 Resp: 54473
Ion Ratio Lower Upper
95 100
174 79.6 60.5 90.7
176 77.2 58.2 87.4



#62
Toluene
Concen: 0.408 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX038154.D
Acq: 07 Oct 2023 03:19

Tgt Ion: 91 Resp: 2480
Ion Ratio Lower Upper
91 100
92 58.3 44.9 67.3

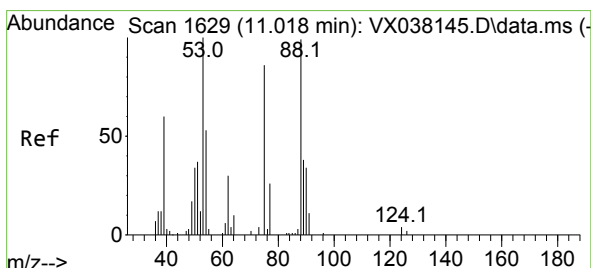
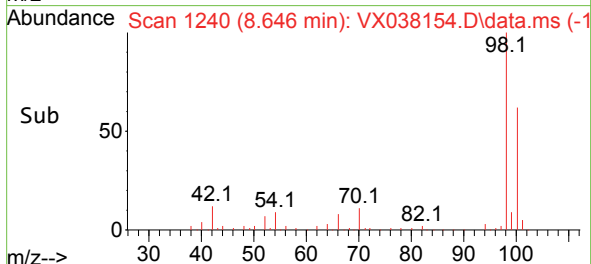
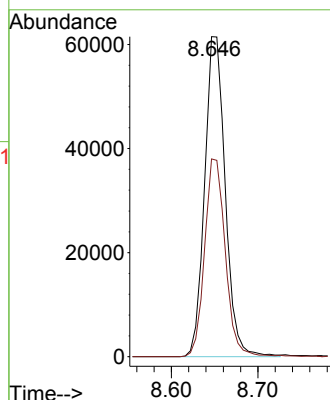
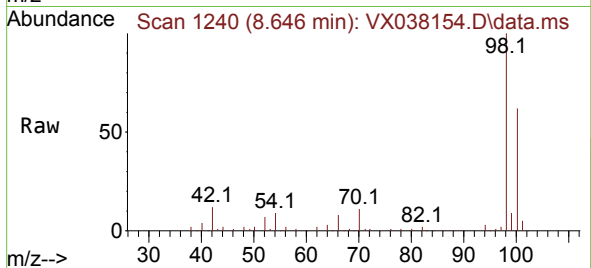




#63
Toluene-d8
Concen: 28.790 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038154.D
Acq: 07 Oct 2023 03:19

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion: 98 Resp: 101721
Ion Ratio Lower Upper
98 100
100 62.0 51.6 77.4



#77
t-1,4-Dichloro-2-butene
Concen: 49.199 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038154.D
Acq: 07 Oct 2023 03:19

Tgt Ion: 75 Resp: 30721
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.1 66.1#

