

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 :
 231005065-01

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)

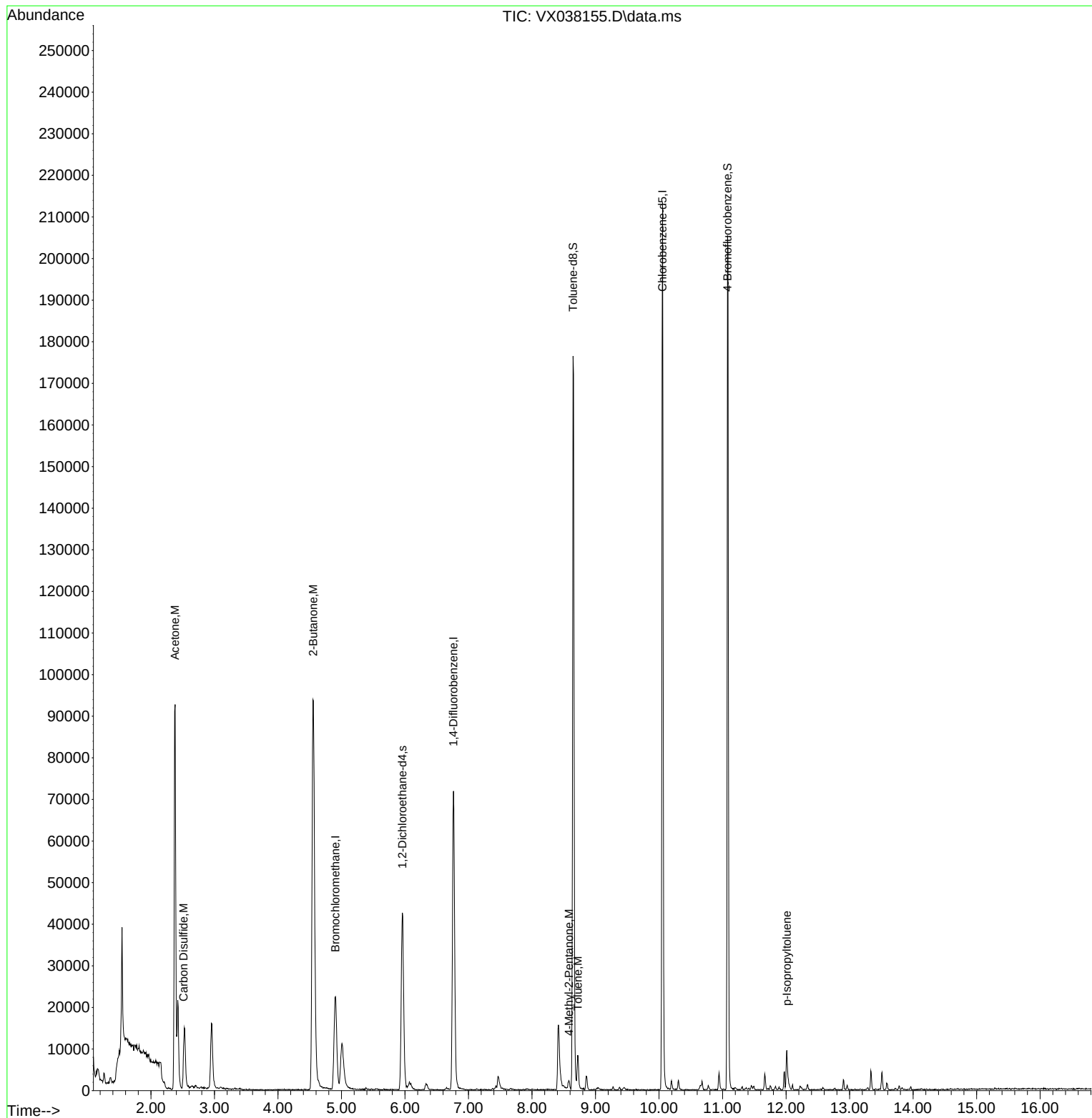
Internal Standards						
1) Bromochloromethane	4.903	128	9530	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	73507	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	92831	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	41093	31.563	ug/l	0.00
Spiked Amount	30.000	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
15) Acetone	2.380	58	31959	142.689	ug/l	94
16) Carbon Disulfide	2.514	76	6698	2.377	ug/l	98
30) 2-Butanone	4.556	43	157808	126.243	ug/l	98
58) 4-Methyl-2-Pentanone	8.580	43	1375	0.592	ug/l #	88
62) Toluene	8.720	91	5595	0.905	ug/l	100
82) p-Isopropyltoluene	12.012	119	3783	0.605	ug/l	97

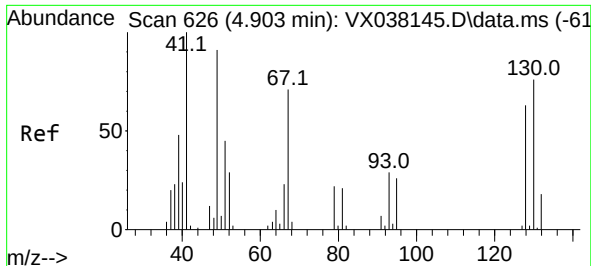
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.903 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX038155.D

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Instrument :

MSVOA_X

ClientSampleId :

231005065-01

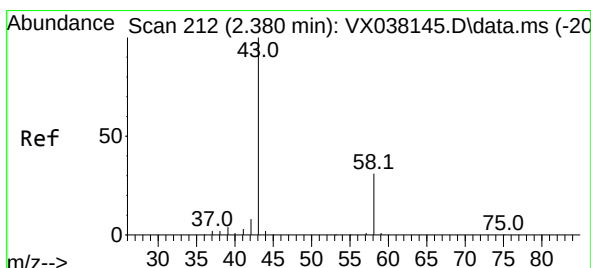
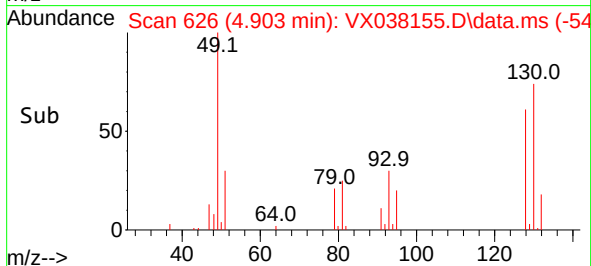
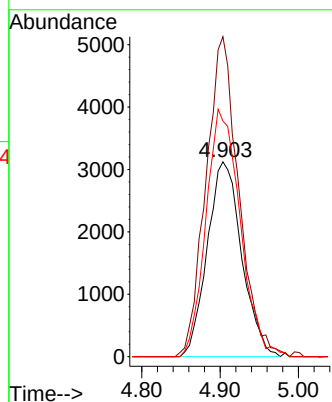
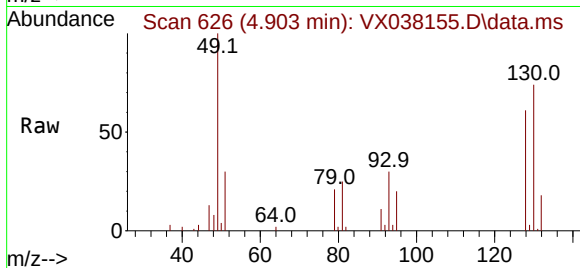
Tgt Ion:128 Resp: 9530

Ion Ratio Lower Upper

128 100

49 156.3 0.0 406.3

130 124.8 0.0 328.0



#15

Acetone

Concen: 142.689 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX038155.D

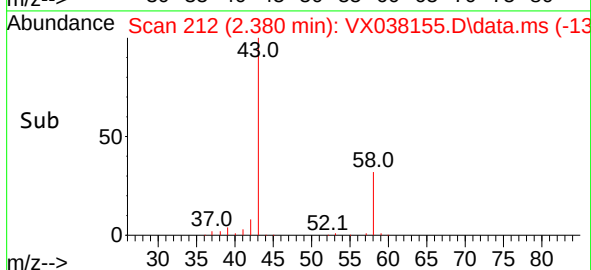
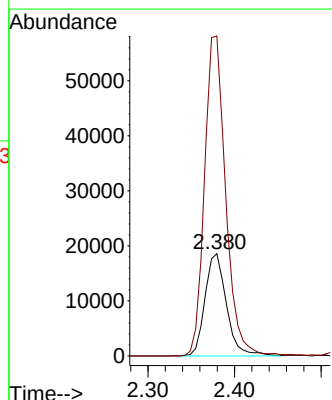
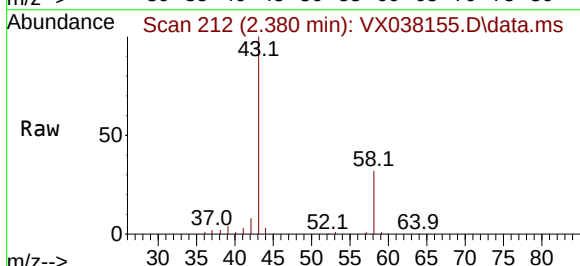
Acq: 07 Oct 2023 03:42

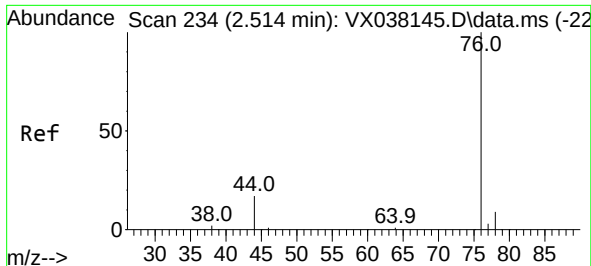
Tgt Ion: 58 Resp: 31959

Ion Ratio Lower Upper

58 100

43 313.0 261.0 391.4

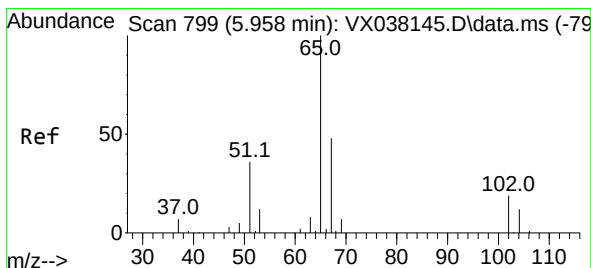
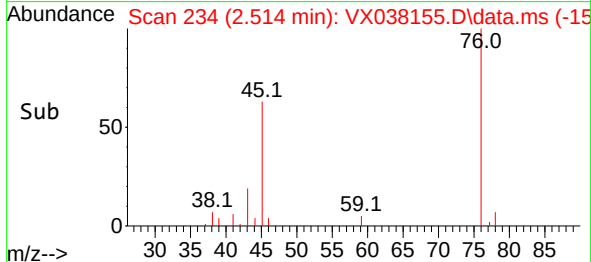
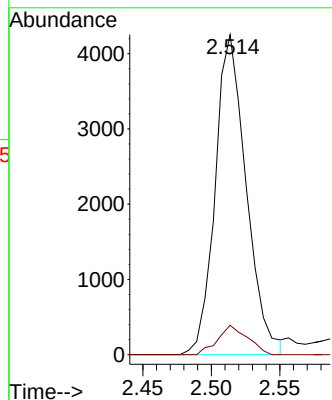
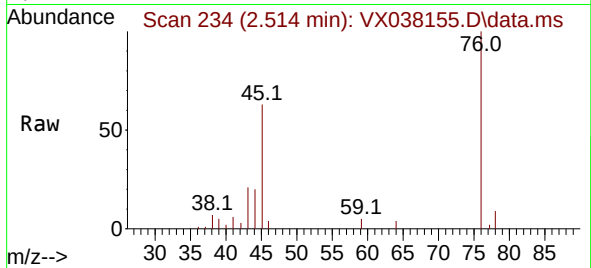




#16
Carbon Disulfide
Concen: 2.377 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

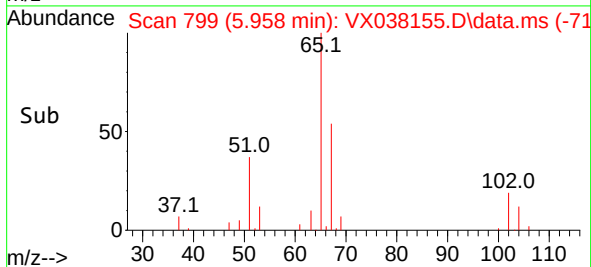
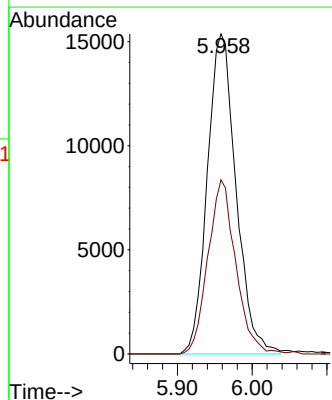
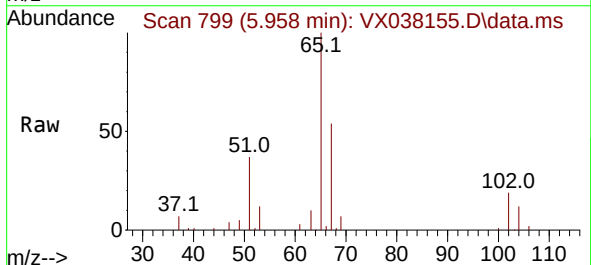
Instrument :
MSVOA_X
ClientSampleId :
231005065-01

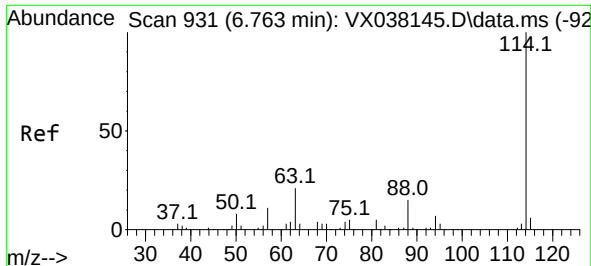
Tgt Ion: 76 Resp: 6698
Ion Ratio Lower Upper
76 100
78 9.2 8.0 12.0



#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

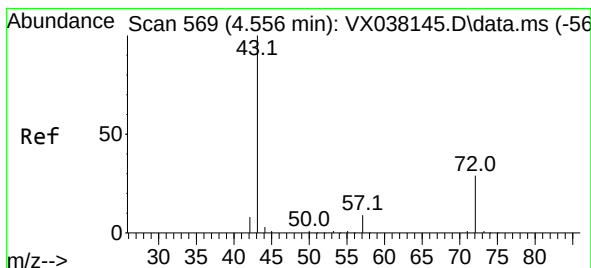
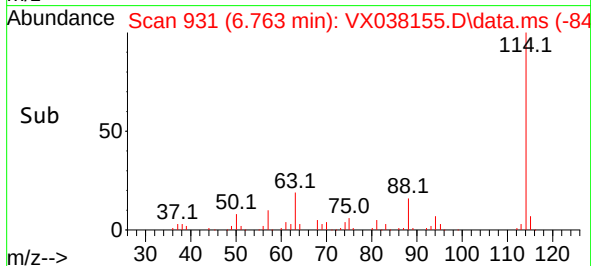
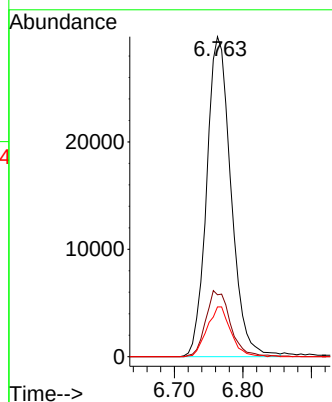
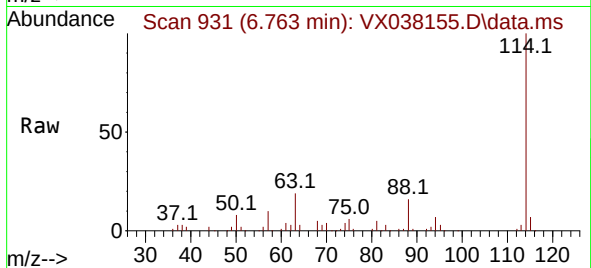




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

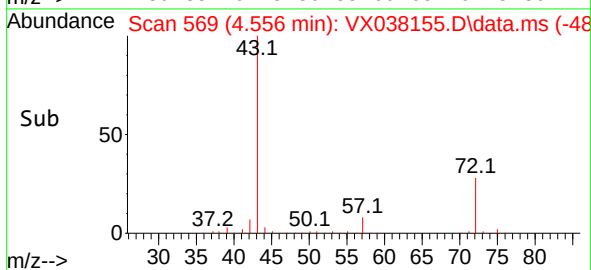
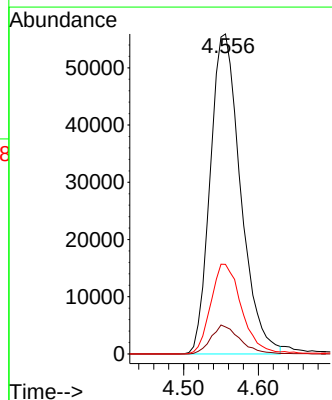
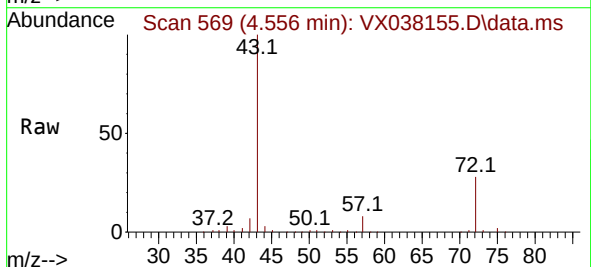
Instrument :
MSVOA_X
ClientSampleId :
231005065-01

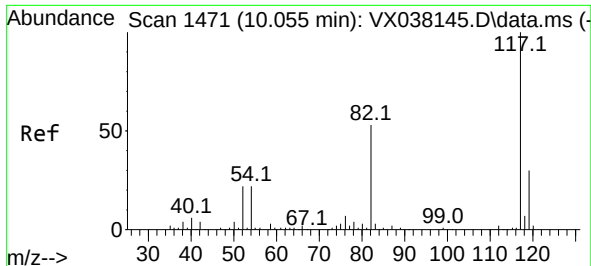
Tgt Ion:114 Resp: 73507
Ion Ratio Lower Upper
114 100
63 20.6 16.6 24.8
88 15.1 12.9 19.3



#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





#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

Instrument :

MSVOA_X

ClientSampleId :

231005065-01

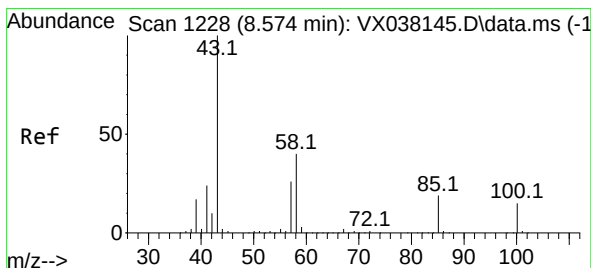
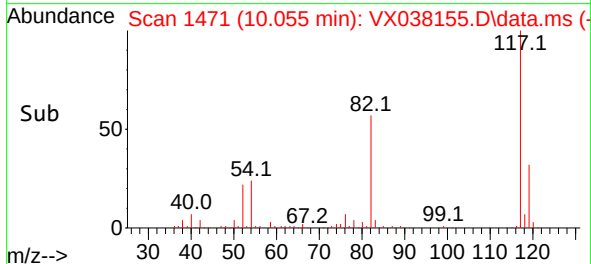
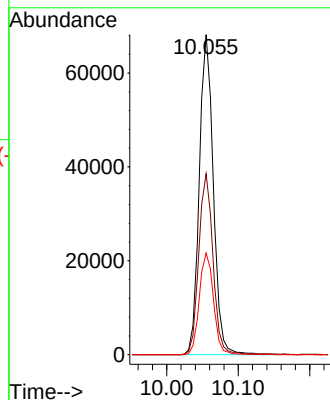
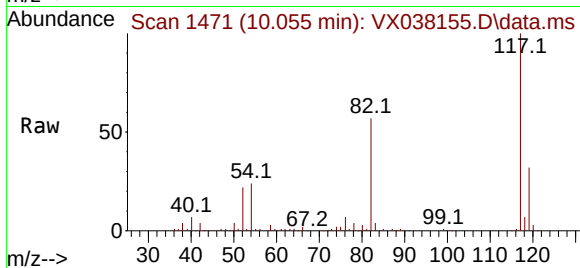
Tgt Ion:117 Resp: 92831

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# 1229

Delta R.T. 0.006 min

Lab File: VX038155.D

Acq: 07 Oct 2023 03:42

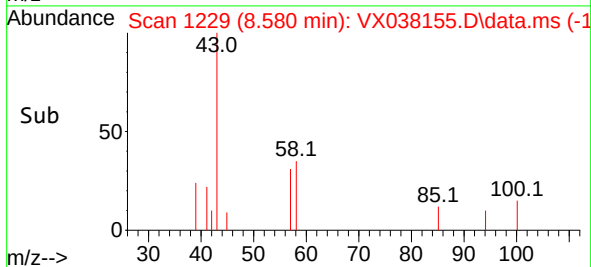
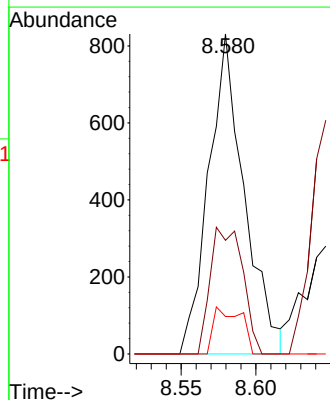
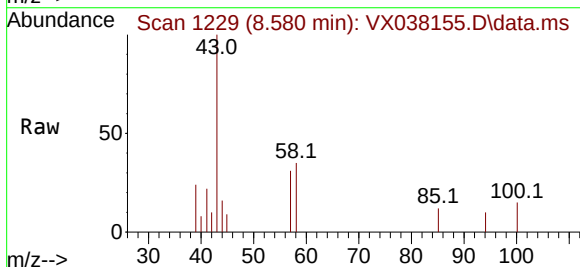
Tgt Ion: 43 Resp: 1375

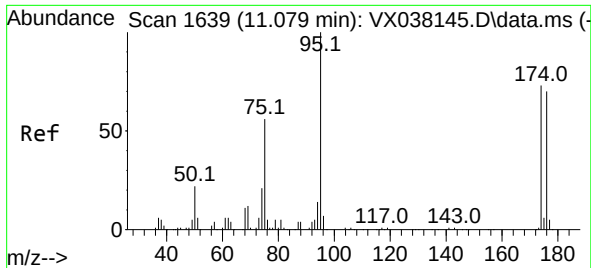
Ion Ratio Lower Upper

43 100

58 36.0 30.9 46.3

85 5.8 14.4 21.6#

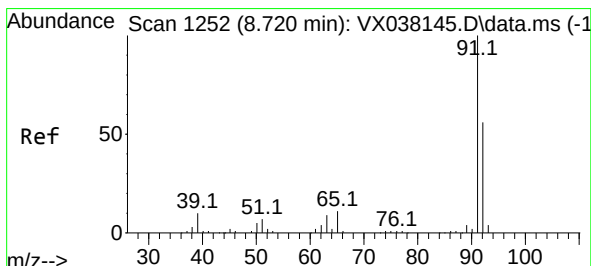
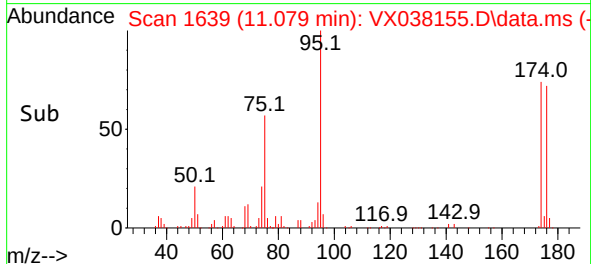
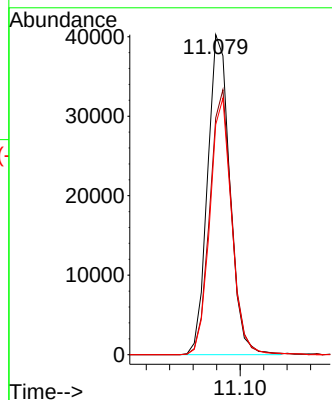
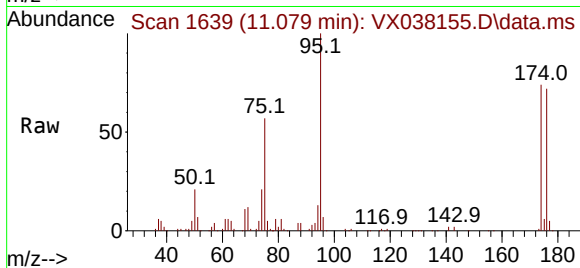




#60
4-Bromofluorobenzene
Concen: 27.296 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

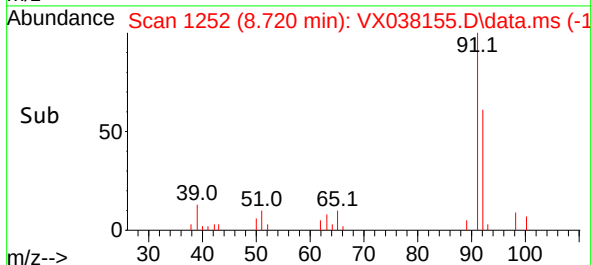
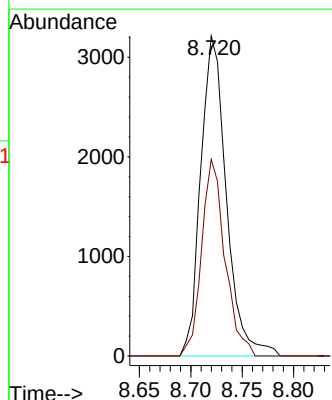
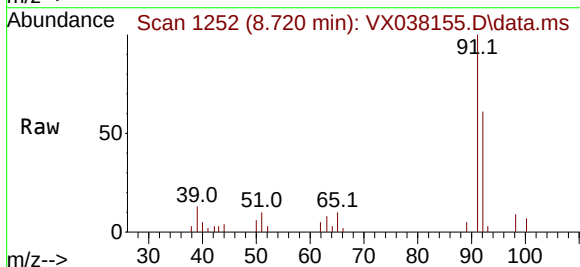
Instrument :
MSVOA_X
ClientSampleId :
231005065-01

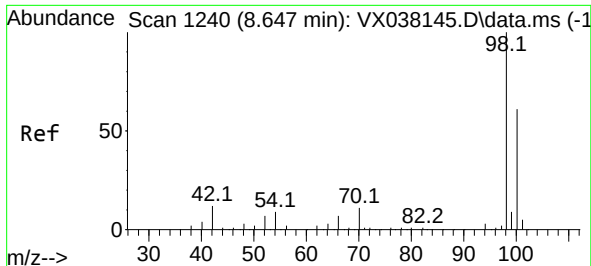
Tgt Ion: 95 Resp: 52785
Ion Ratio Lower Upper
95 100
174 82.2 60.5 90.7
176 78.8 58.2 87.4



#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

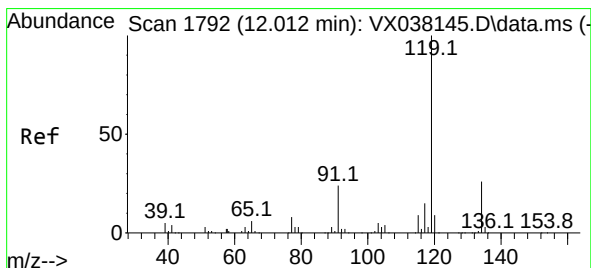
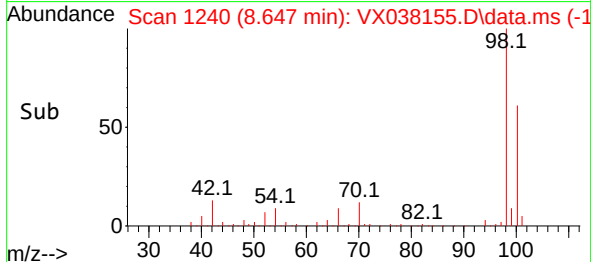
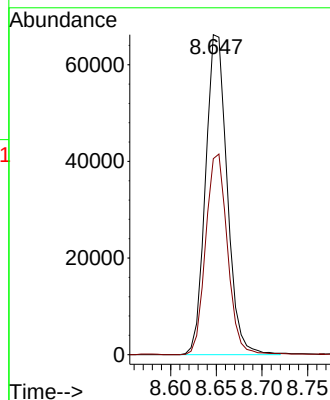
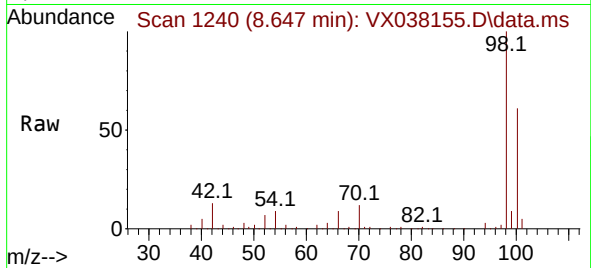




#63
Toluene-d8
Concen: 30.294 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

Instrument :
MSVOA_X
ClientSampleId :
231005065-01

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



#82
p-Isopropyltoluene
Concen: 0.605 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VX038155.D
Acq: 07 Oct 2023 03:42

Tgt Ion: 119 Resp: 3783
Ion Ratio Lower Upper
119 100
134 27.6 0.0 53.2
91 27.0 0.0 49.4

