

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010324\
 Data File : VX039605.D
 Acq On : 03 Jan 2024 16:21
 Operator : JC/MD
 Sample : P1002-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1217

Quant Time: Jan 04 03:34:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

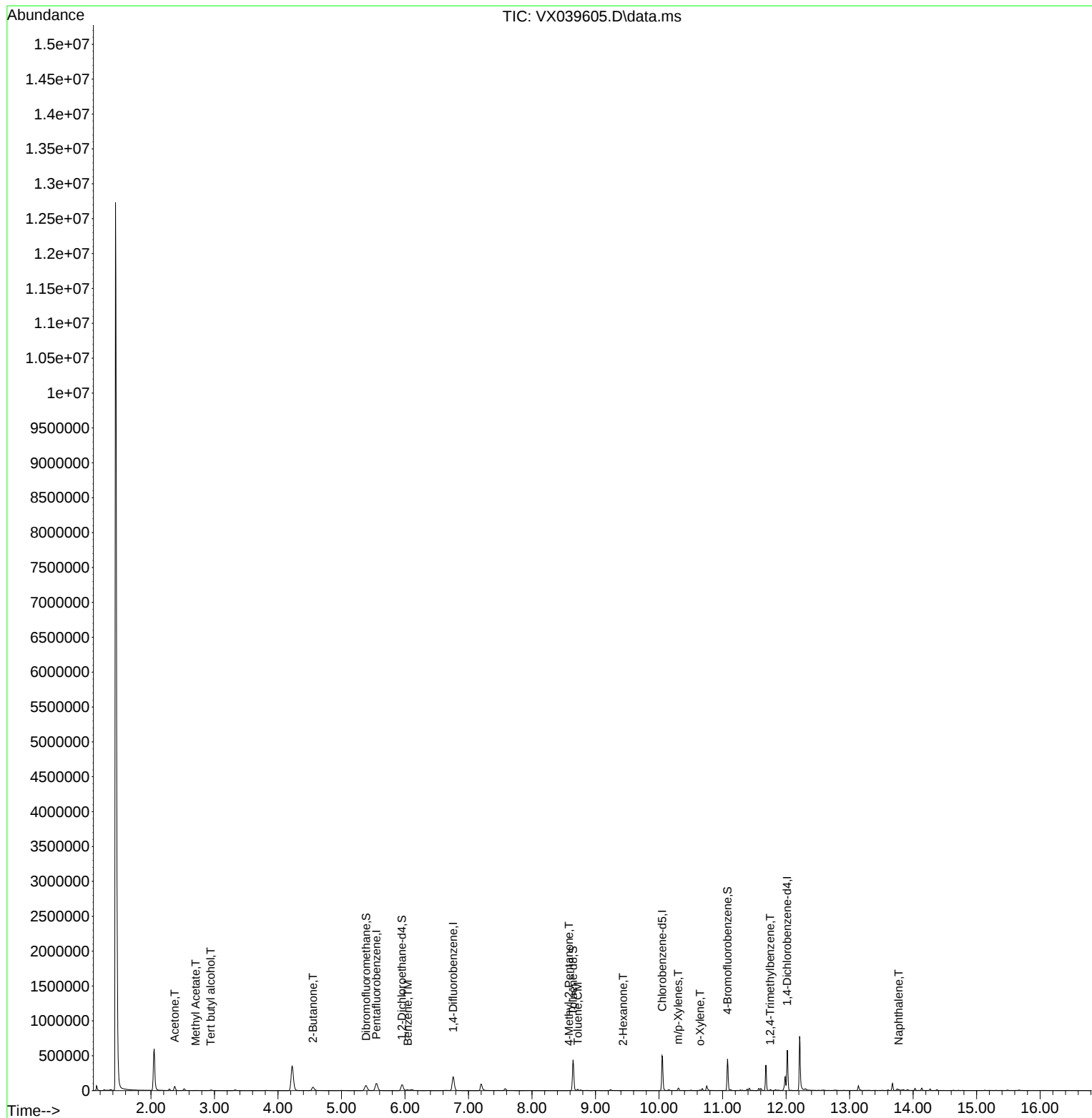
Internal Standards						
1) Pentafluorobenzene	5.550	168	91818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	197031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	213605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	106620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80595	47.915	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.840%
35) Dibromofluoromethane	5.385	113	64870	47.657	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.320%
50) Toluene-d8	8.647	98	252205	49.908	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.820%
62) 4-Bromofluorobenzene	11.079	95	117836	56.515	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	113.040%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	10243	24.250	ug/l #	86
16) Acetone	2.373	43	61837	43.910	ug/l	95
18) Methyl Acetate	2.703	43	4045	1.112	ug/l	94
25) 2-Butanone	4.550	43	86981	59.926	ug/l	97
40) Benzene	6.043	78	12598	2.073	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	1461	0.531	ug/l #	81
52) Toluene	8.720	92	6166	1.681	ug/l	95
59) 2-Hexanone	9.433	43	1301	0.548	ug/l	90
68) m/p-Xylenes	10.299	106	4123	1.325	ug/l	95
69) o-Xylene	10.646	106	1974	0.656	ug/l	85
84) 1,2,4-Trimethylbenzene	11.750	105	4821	0.671	ug/l	85
95) Naphthalene	13.774	128	5273	0.676	ug/l	98

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

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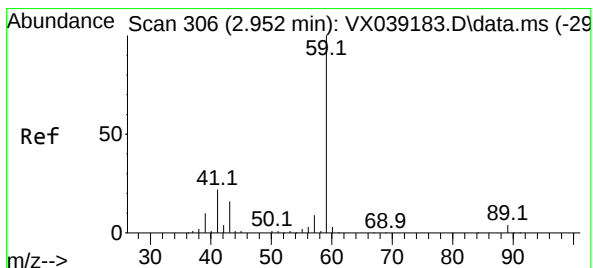
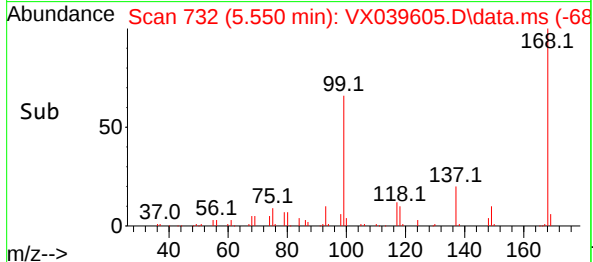
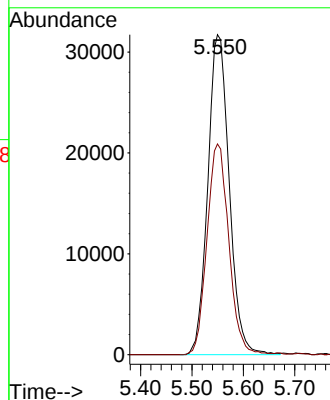
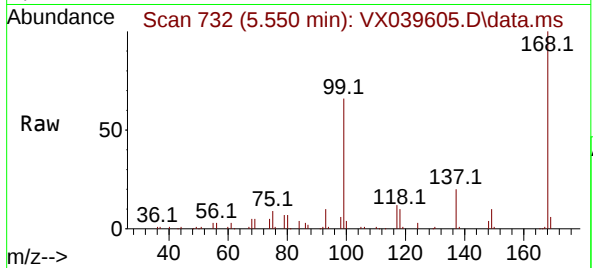




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039605.D
Acq: 03 Jan 2024 16:21

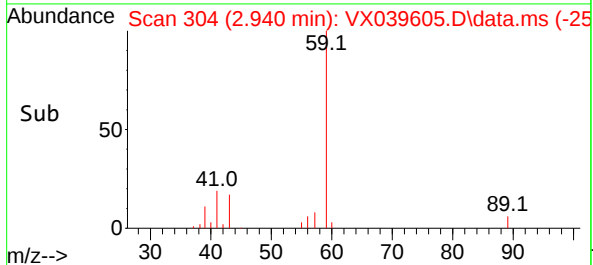
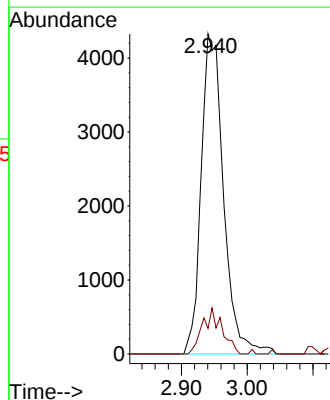
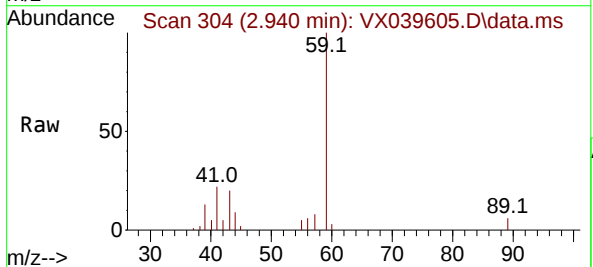
Instrument :
MSVOA_X
ClientSampleId :
1217

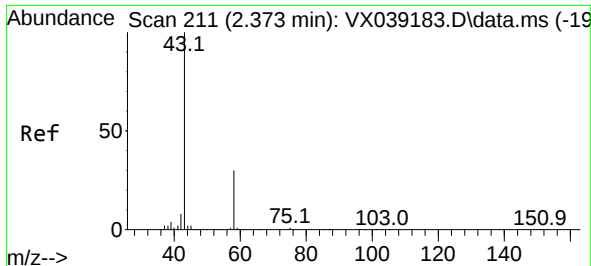
Tgt Ion:168 Resp: 91818
Ion Ratio Lower Upper
168 100
99 65.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 24.250 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX039605.D
Acq: 03 Jan 2024 16:21

Tgt Ion: 59 Resp: 10243
Ion Ratio Lower Upper
59 100
57 12.4 6.0 9.0#

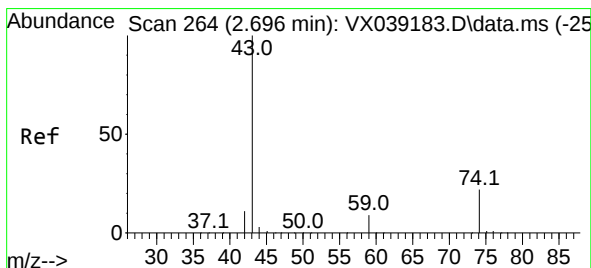
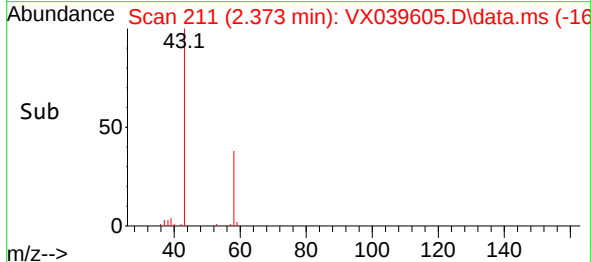
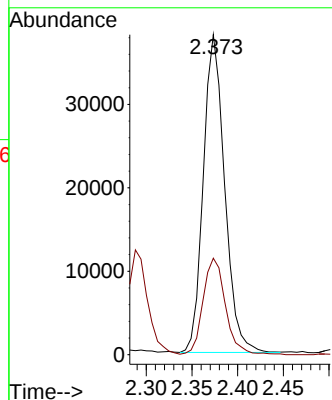
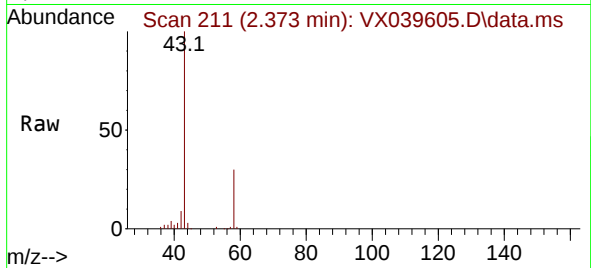




#16
Acetone
Concen: 43.910 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX039605.D
Acq: 03 Jan 2024 16:21

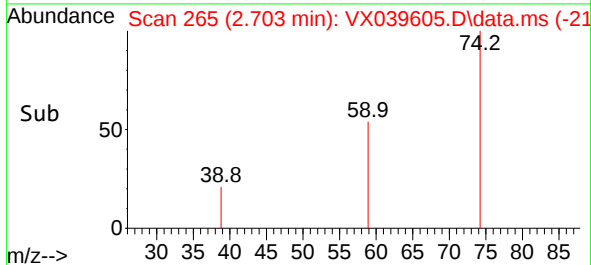
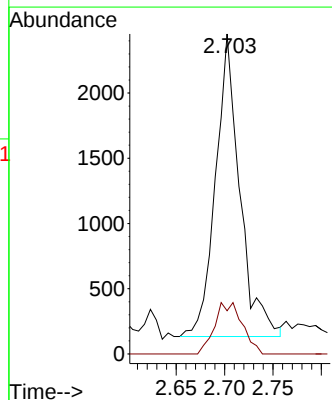
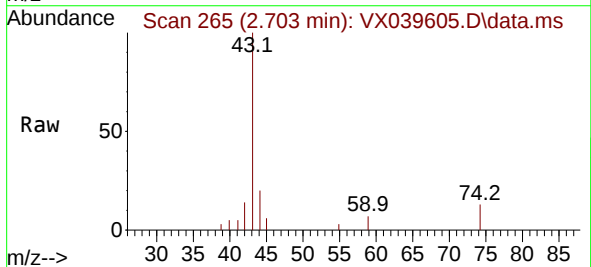
Instrument :
MSVOA_X
ClientSampleId :
1217

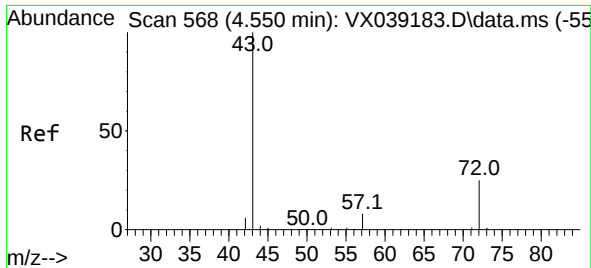
Tgt Ion: 43 Resp: 61837
Ion Ratio Lower Upper
43 100
58 30.2 21.9 32.9



#18
Methyl Acetate
Concen: 1.112 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX039605.D
Acq: 03 Jan 2024 16:21

Tgt Ion: 43 Resp: 4045
Ion Ratio Lower Upper
43 100
74 19.4 17.8 26.8

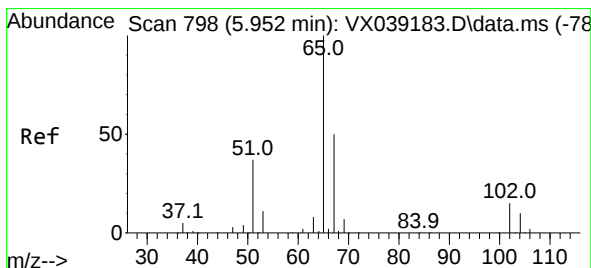
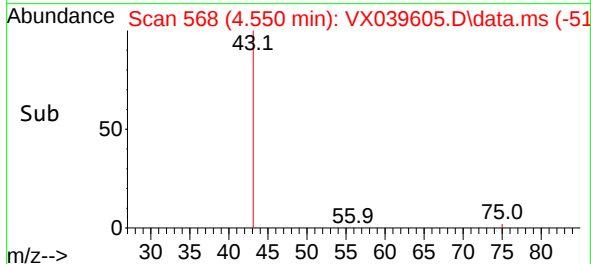
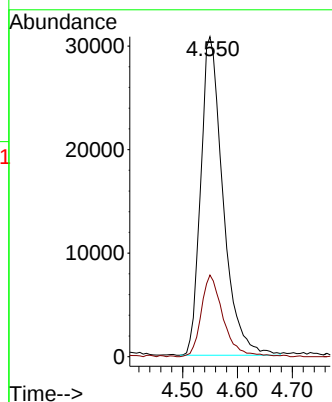
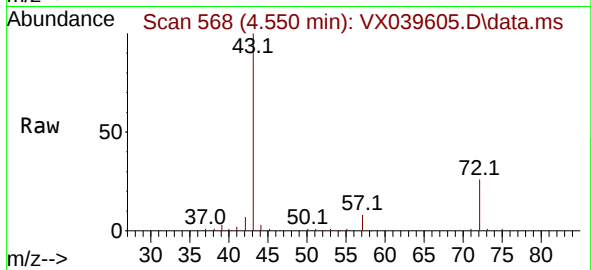




#25
2-Butanone
Concen: 59.926 ug/l
RT: 4.550 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX039605.D
Acq: 03 Jan 2024 16:21

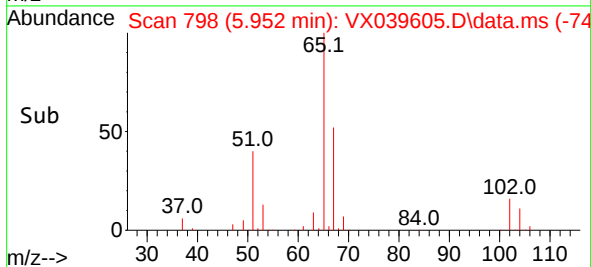
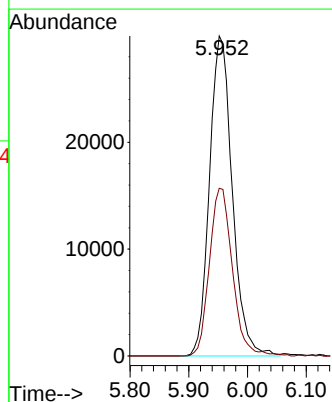
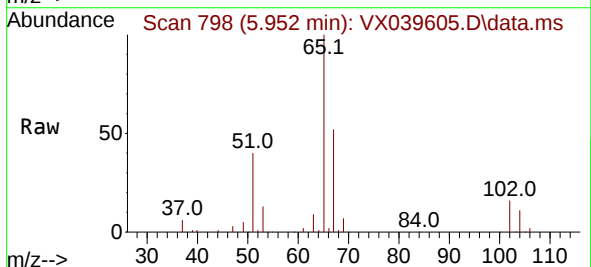
Instrument :
MSVOA_X
ClientSampleId :
1217

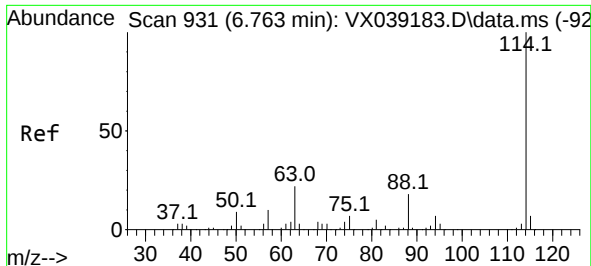
Tgt Ion: 43 Resp: 86981
Ion Ratio Lower Upper
43 100
72 25.6 19.4 29.2



#33
1,2-Dichloroethane-d4
Concen: 47.915 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039605.D
Acq: 03 Jan 2024 16:21

Tgt Ion: 65 Resp: 80595
Ion Ratio Lower Upper
65 100
67 53.0 0.0 100.2

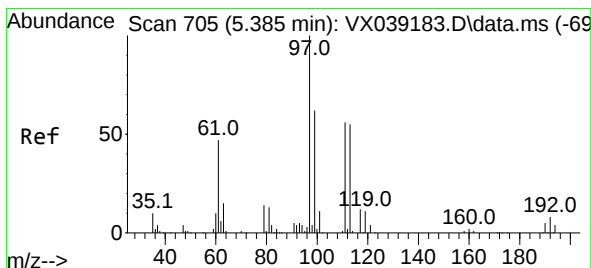
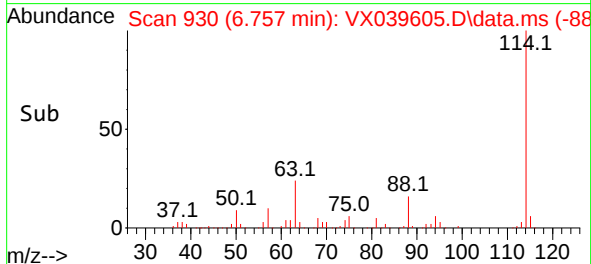
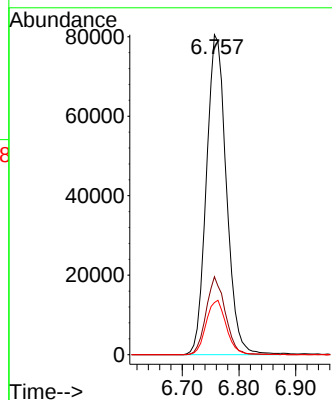
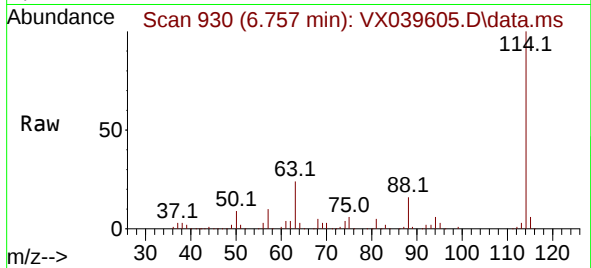




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX039605.D
Acq: 03 Jan 2024 16:21

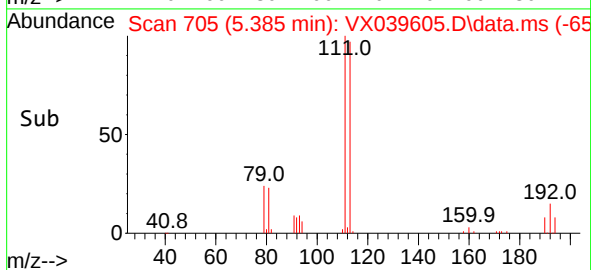
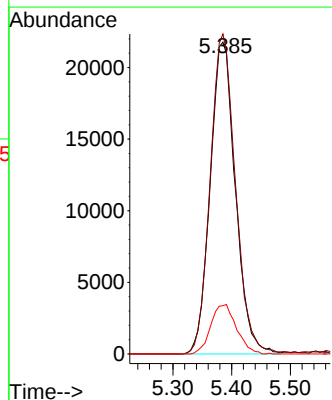
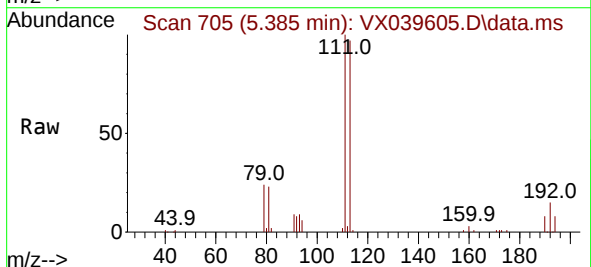
Instrument :
MSVOA_X
ClientSampleId :
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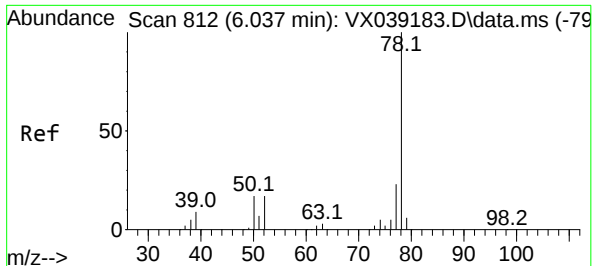
Tgt Ion:114 Resp: 197031
Ion Ratio Lower Upper
114 100
63 24.3 0.0 45.0
88 16.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.657 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039605.D
Acq: 03 Jan 2024 16:21

Tgt Ion:113 Resp: 64870
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 16.1 13.3 19.9

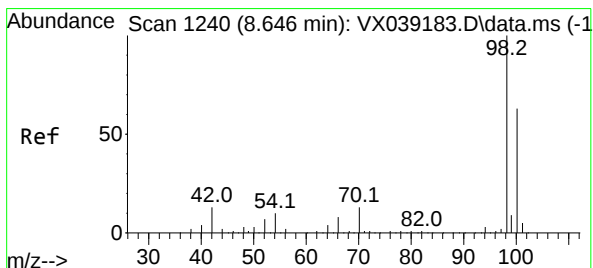
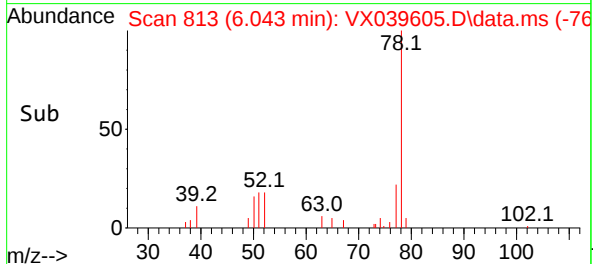
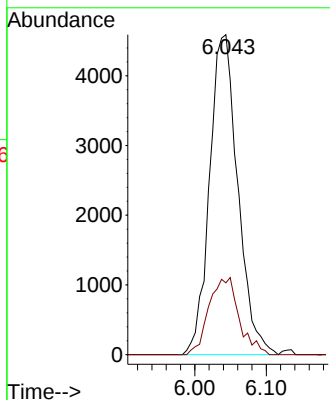
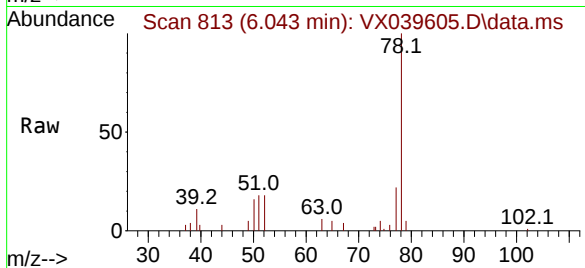




#40
Benzene
Concen: 2.073 ug/l
RT: 6.043 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX039605.D
Acq: 03 Jan 2024 16:21

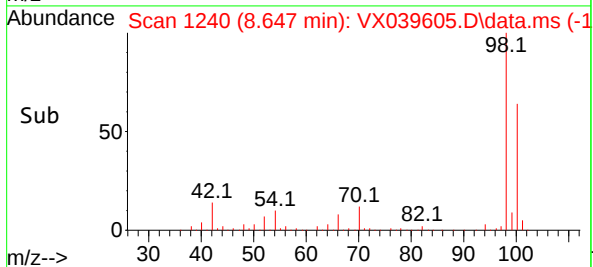
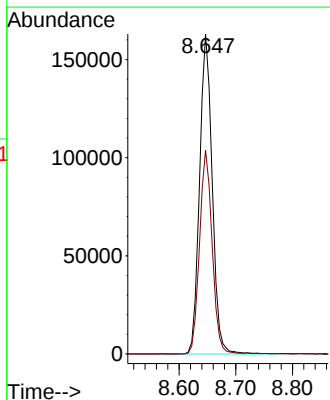
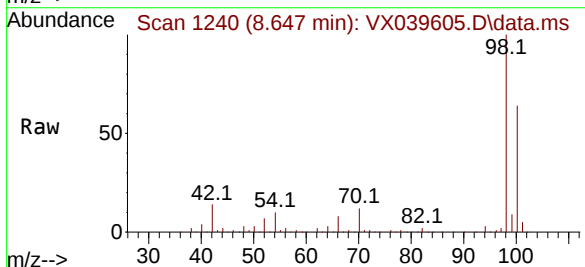
Instrument :
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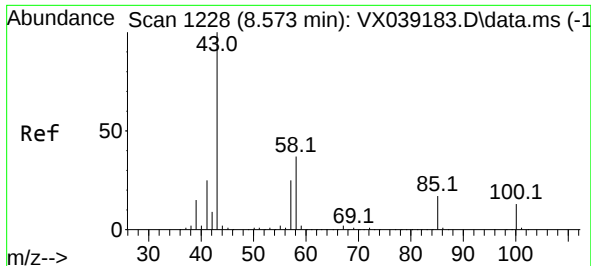
Tgt Ion: 78 Resp: 12598
Ion Ratio Lower Upper
78 100
77 22.5 19.3 28.9



#50
Toluene-d8
Concen: 49.908 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039605.D
Acq: 03 Jan 2024 16:21

Tgt Ion: 98 Resp: 252205
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7

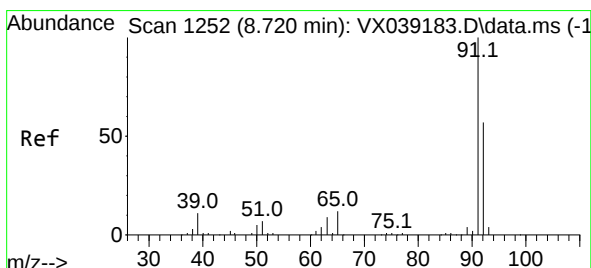
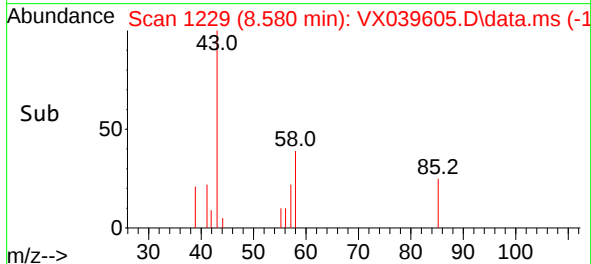
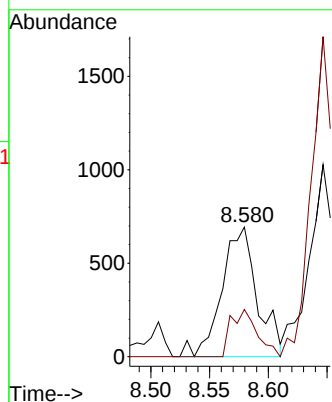
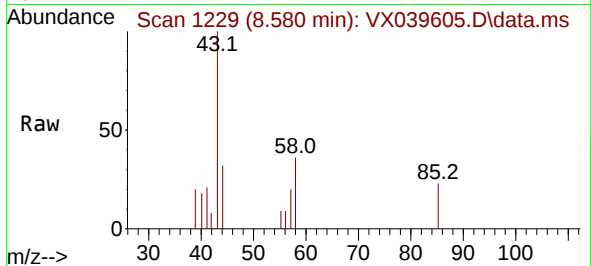




#51
4-Methyl-2-Pentanone
Concen: 0.531 ug/l
RT: 8.580 min Scan# 1228
Delta R.T. 0.006 min
Lab File: VX039605.D
Acq: 03 Jan 2024 16:21

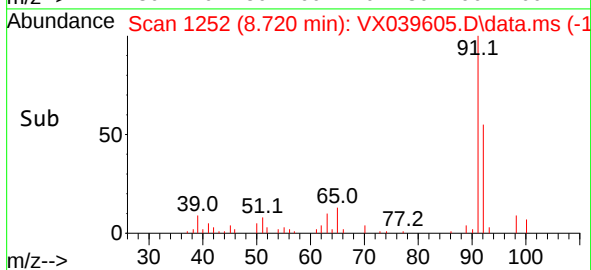
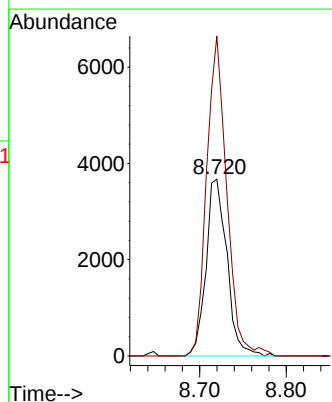
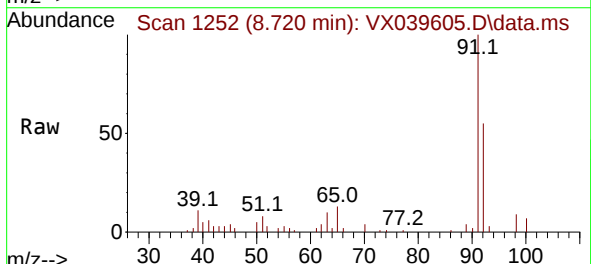
Instrument :
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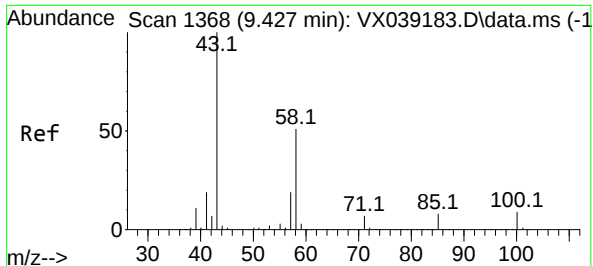
Tgt Ion: 43 Resp: 1461
Ion Ratio Lower Upper
43 100
58 26.7 30.4 45.6#



#52
Toluene
Concen: 1.681 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX039605.D
Acq: 03 Jan 2024 16:21

Tgt Ion: 92 Resp: 6166
Ion Ratio Lower Upper
92 100
91 173.9 134.2 201.2





#59

2-Hexanone

Concen: 0.548 ug/l

RT: 9.433 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX039605.D

Acq: 03 Jan 2024 16:21

Instrument :

MSVOA_X

ClientSampleId :

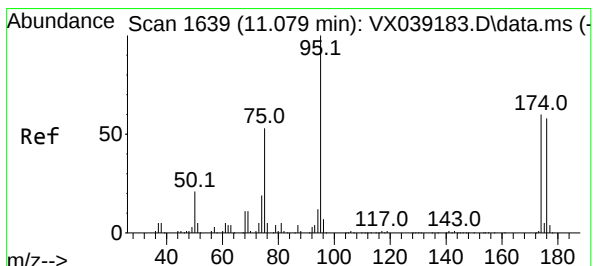
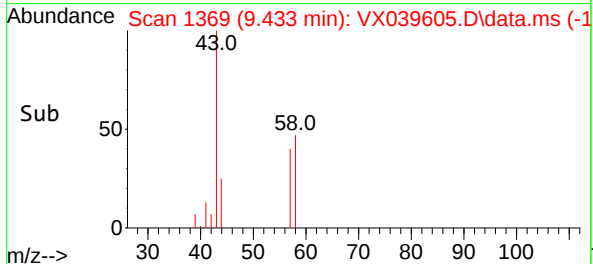
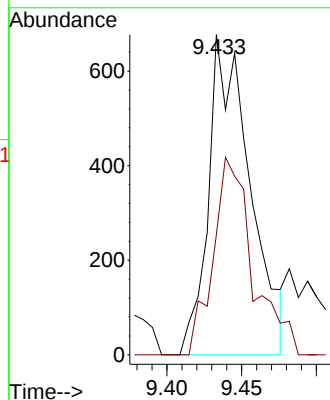
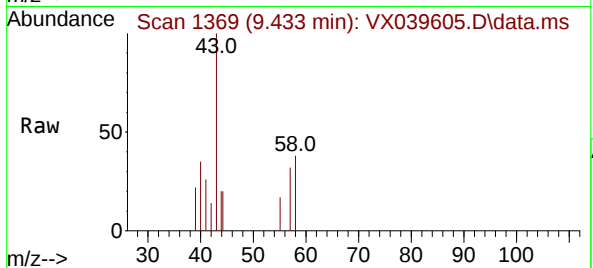
1217

Tgt Ion: 43 Resp: 1301

Ion Ratio Lower Upper

43 100

58 59.2 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 56.515 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX039605.D

Acq: 03 Jan 2024 16:21

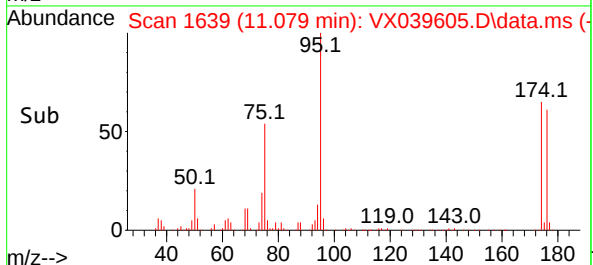
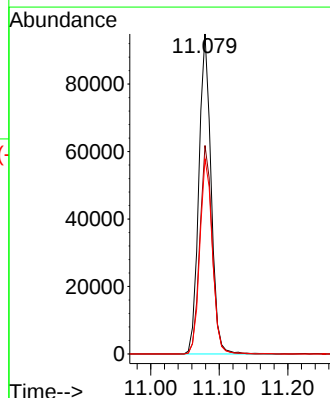
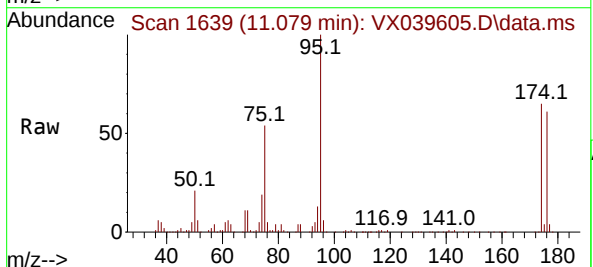
Tgt Ion: 95 Resp: 117836

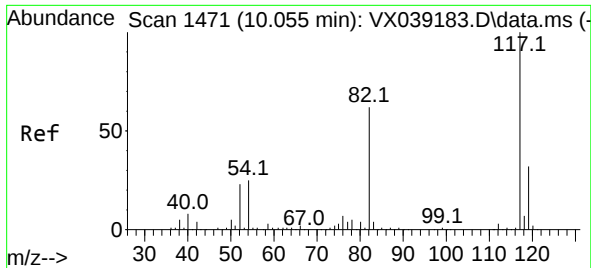
Ion Ratio Lower Upper

95 100

174 66.0 0.0 135.6

176 62.5 0.0 131.0

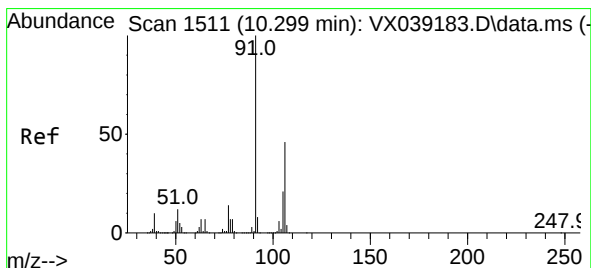
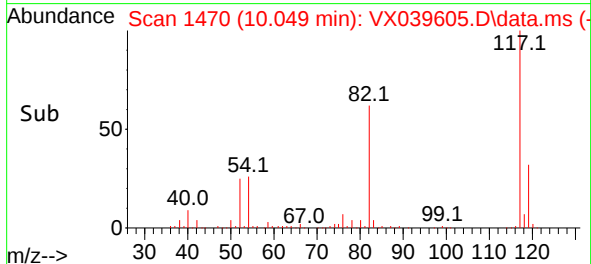
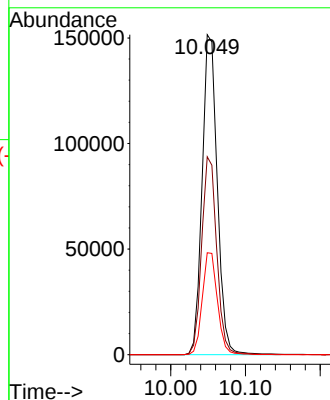
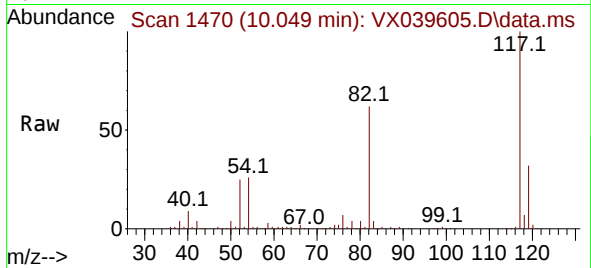




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX039605.D
Acq: 03 Jan 2024 16:21

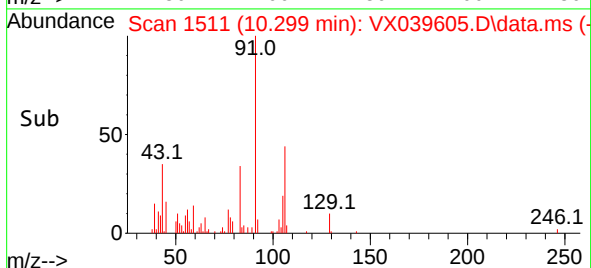
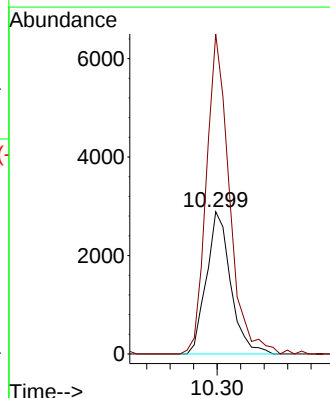
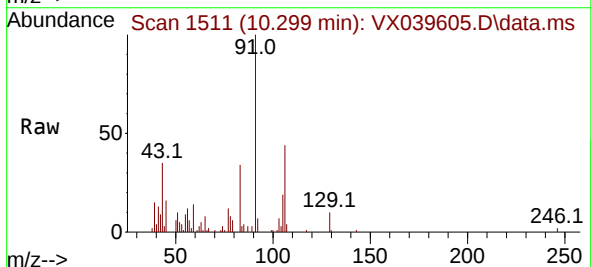
Instrument :
MSVOA_X
ClientSampleId :
1217

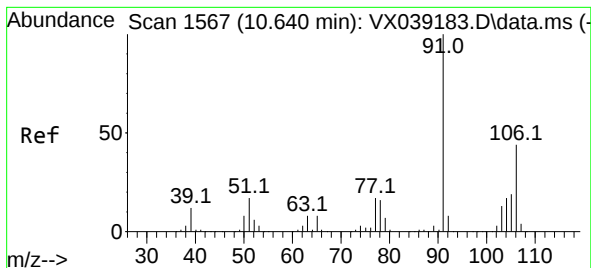
Tgt Ion:117 Resp: 213605
Ion Ratio Lower Upper
117 100
82 61.9 46.2 69.4
119 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 1.325 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX039605.D
Acq: 03 Jan 2024 16:21

Tgt Ion:106 Resp: 4123
Ion Ratio Lower Upper
106 100
91 214.9 165.5 248.3





#69

o-Xylene

Concen: 0.656 ug/l

RT: 10.646 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX039605.D

Acq: 03 Jan 2024 16:21

Instrument :

MSVOA_X

ClientSampleId :

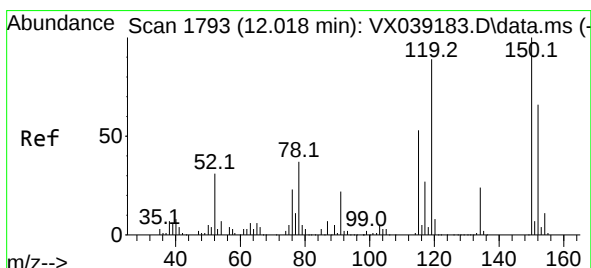
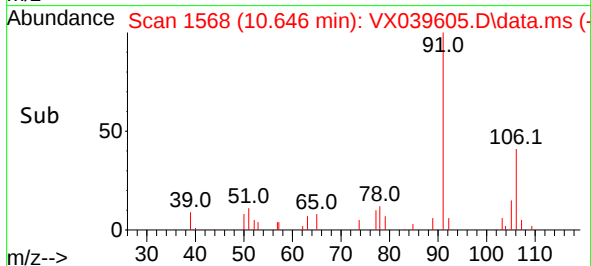
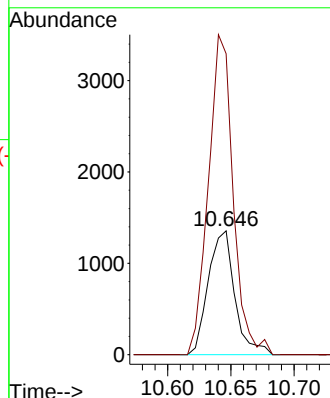
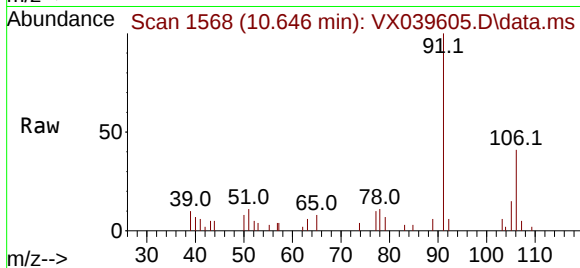
1217

Tgt Ion:106 Resp: 1974

Ion Ratio Lower Upper

106 100

91 241.7 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX039605.D

Acq: 03 Jan 2024 16:21

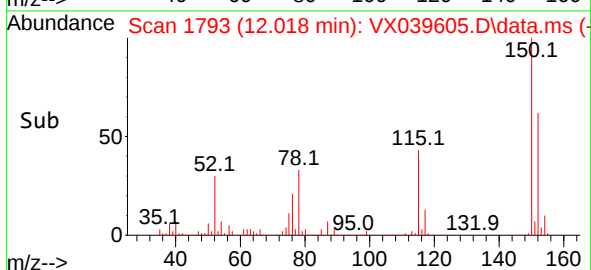
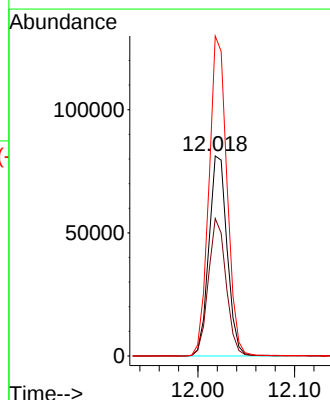
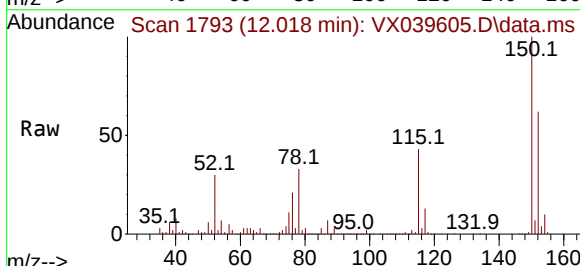
Tgt Ion:152 Resp: 106620

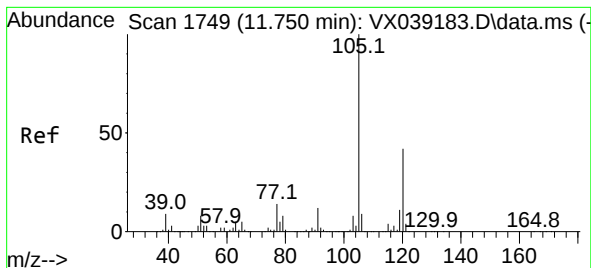
Ion Ratio Lower Upper

152 100

115 66.9 43.3 129.9

150 158.5 0.0 345.0





#84

1,2,4-Trimethylbenzene

Concen: 0.671 ug/l

RT: 11.750 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039605.D

Acq: 03 Jan 2024 16:21

Instrument :

MSVOA_X

ClientSampleId :

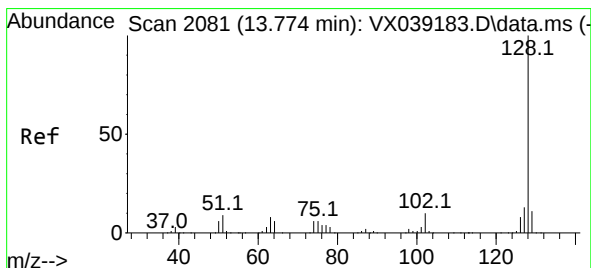
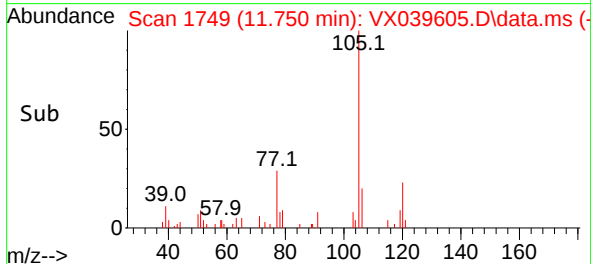
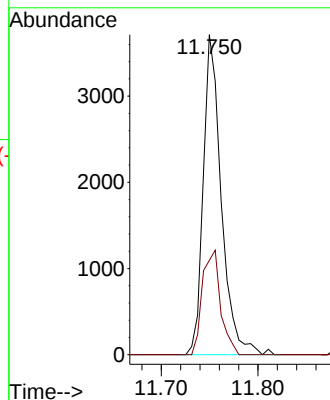
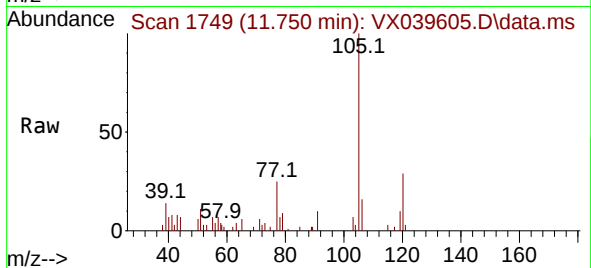
1217

Tgt Ion:105 Resp: 4821

Ion Ratio Lower Upper

105 100

120 32.9 21.2 63.6



#95

Naphthalene

Concen: 0.676 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX039605.D

Acq: 03 Jan 2024 16:21

Tgt Ion:128 Resp: 5273

Ion Ratio Lower Upper

128 100

127 11.5 10.3 15.5

129 10.9 8.8 13.2

