

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122823\
 Data File : VX039511.D
 Acq On : 28 Dec 2023 13:15
 Operator : JC/MD
 Sample : 06025-02 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50230

Quant Time: Dec 28 22:49:21 2023
 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)

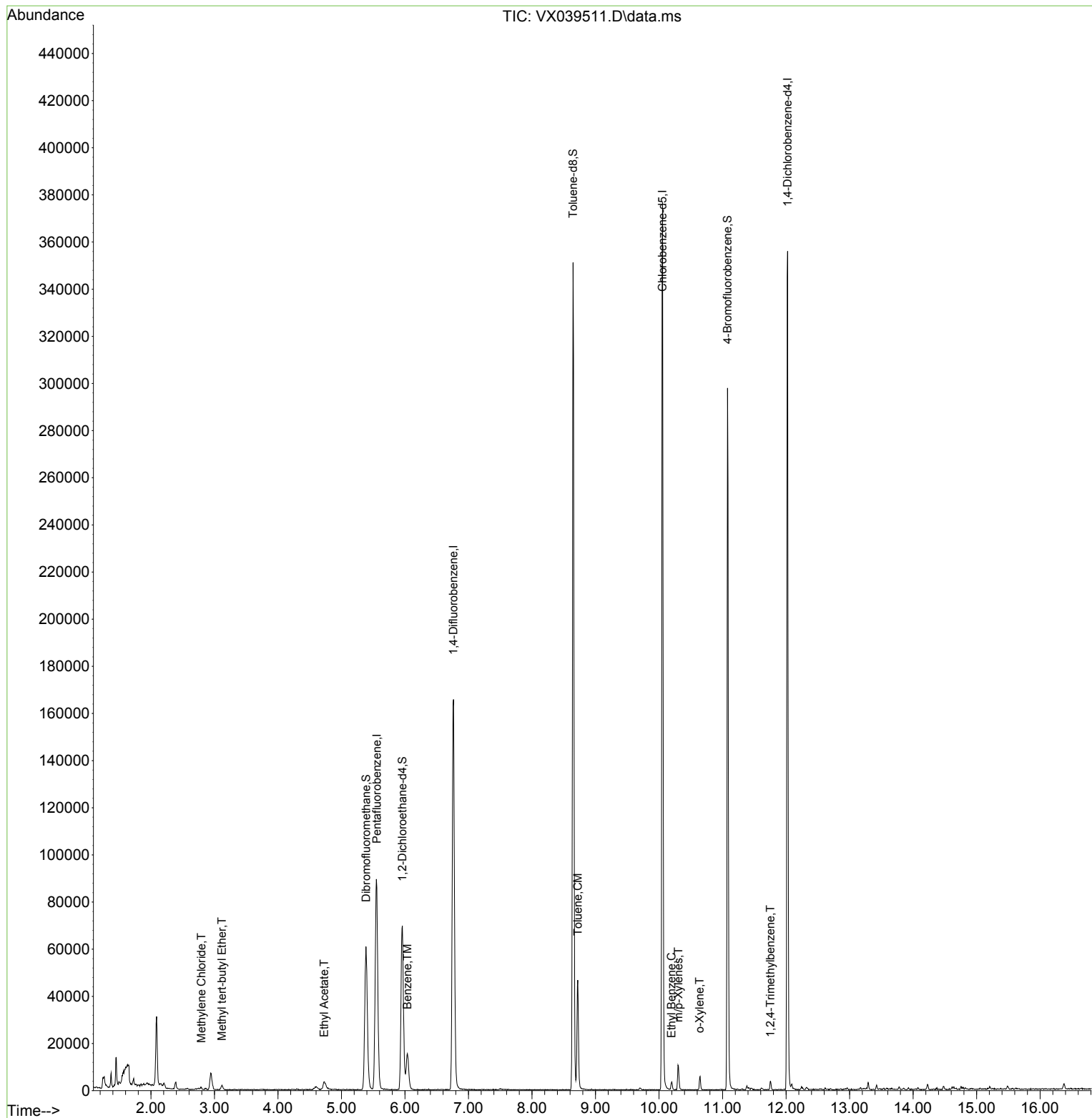
Internal Standards						
1) Pentafluorobenzene	5.556	168	76604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	162194	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	159981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68470	48.791	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.580%
35) Dibromofluoromethane	5.385	113	52504	46.857	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.720%
50) Toluene-d8	8.647	98	206096	49.543	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.080%
62) 4-Bromofluorobenzene	11.079	95	83020	48.369	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.740%
Target Compounds						
					Qvalue	
19) Methyl tert-butyl Ether	3.117	73	1705	0.479	ug/l	95
20) Methylene Chloride	2.794	84	486	0.415	ug/l #	76
37) Ethyl Acetate	4.727	43	6674	3.055	ug/l	98
40) Benzene	6.037	78	18642	3.727	ug/l	99
52) Toluene	8.720	92	17637	5.842	ug/l	94
67) Ethyl Benzene	10.195	91	2241	0.345	ug/l	94
68) m/p-Xylenes	10.305	106	2582	1.108	ug/l	86
69) o-Xylene	10.640	106	1334	0.592	ug/l	85
84) 1,2,4-Trimethylbenzene	11.756	105	2104	0.463	ug/l	96

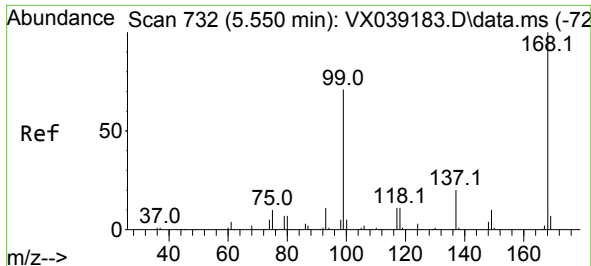
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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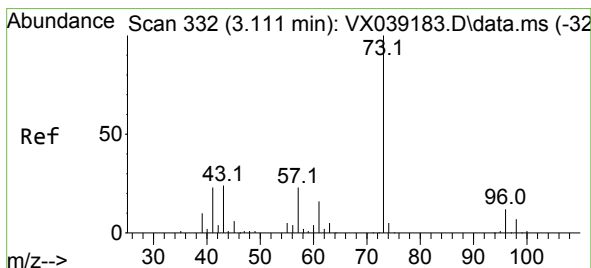
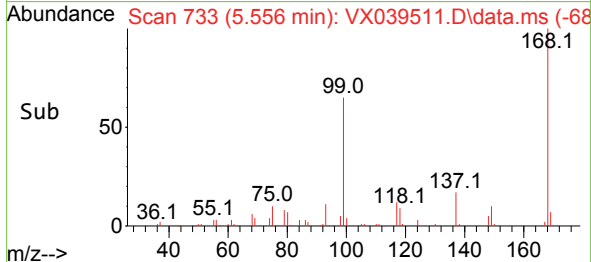
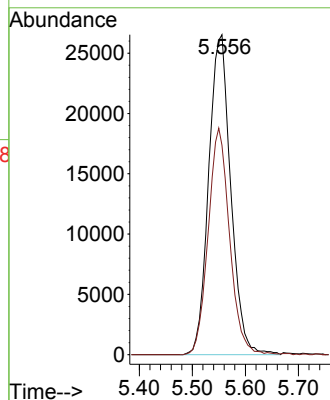
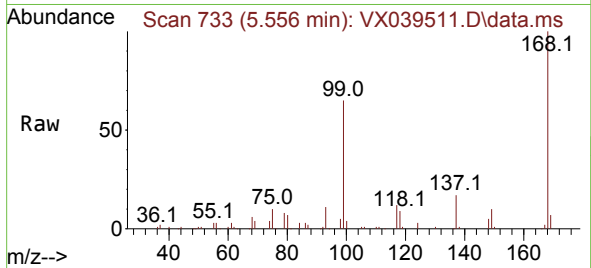




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

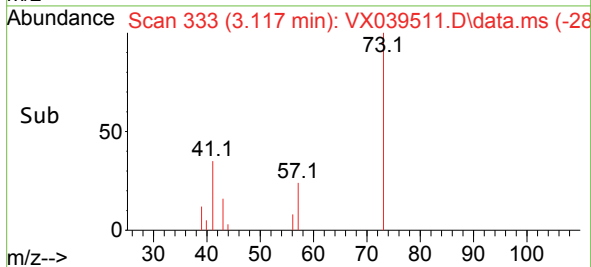
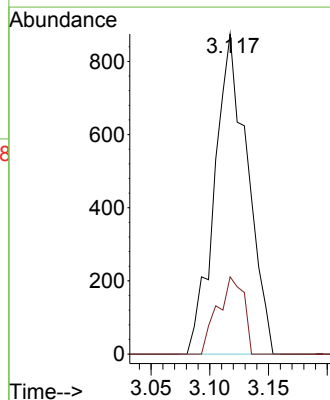
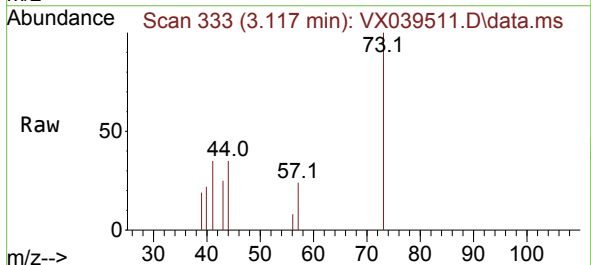
Instrument :
MSVOA_X
ClientSampleId :
50230

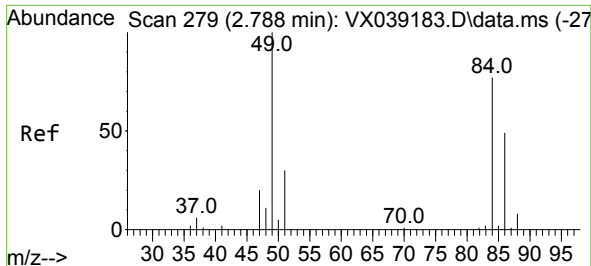
Tgt Ion:168 Resp: 76604
Ion Ratio Lower Upper
168 100
99 65.5 56.6 85.0



#19
Methyl tert-butyl Ether
Concen: 0.479 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

Tgt Ion: 73 Resp: 1705
Ion Ratio Lower Upper
73 100
57 24.1 17.3 25.9

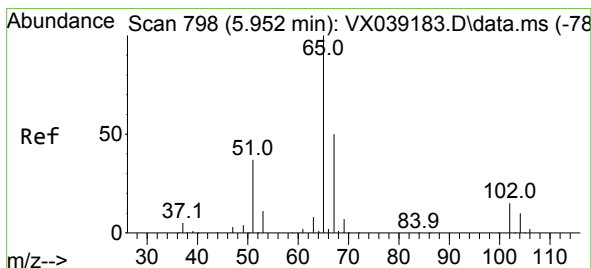
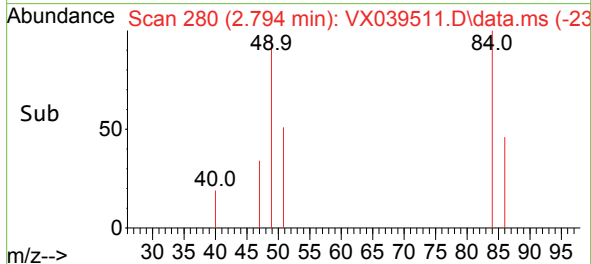
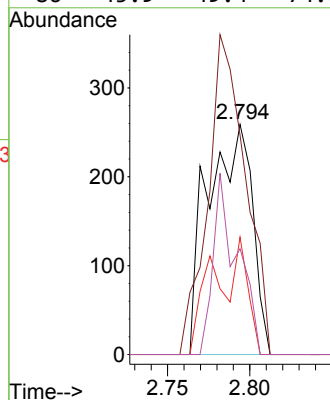
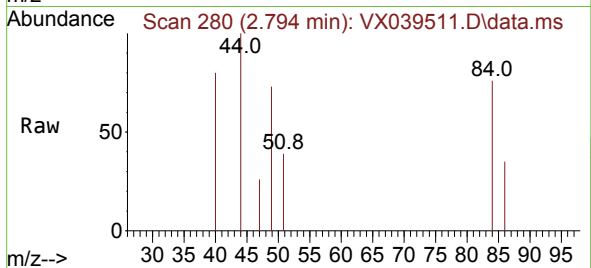




#20
Methylene Chloride
Concen: 0.415 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

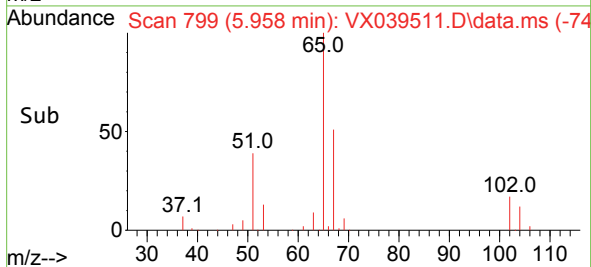
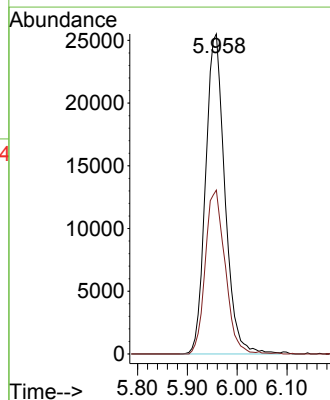
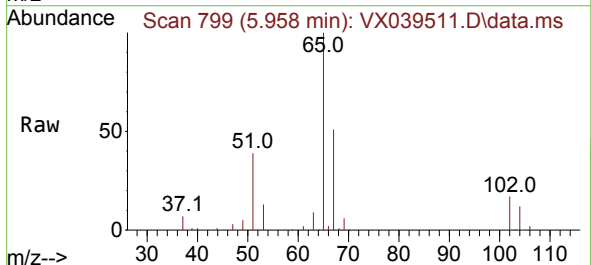
Instrument :
MSVOA_X
ClientSampleId :
50230

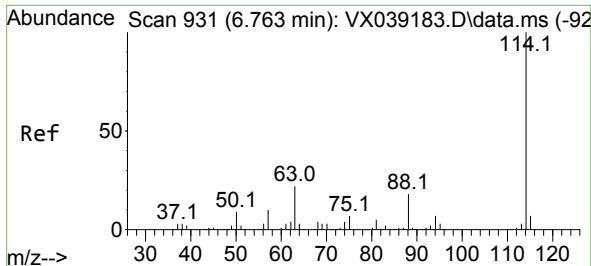
Tgt Ion: 84 Resp: 486
Ion Ratio Lower Upper
84 100
49 95.4 103.6 155.4#
51 51.0 33.8 50.6#
86 45.9 49.4 74.0#



#33
1,2-Dichloroethane-d4
Concen: 48.791 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

Tgt Ion: 65 Resp: 68470
Ion Ratio Lower Upper
65 100
67 52.7 0.0 100.2

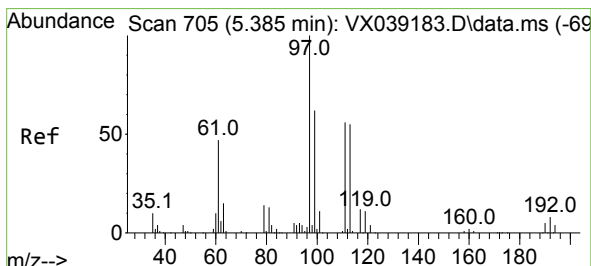
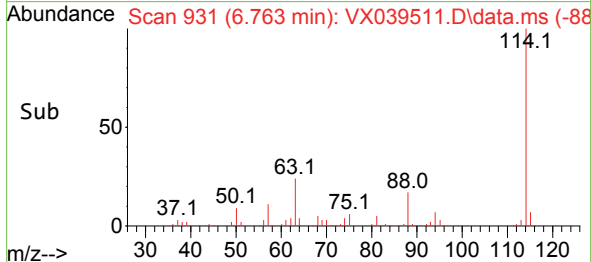
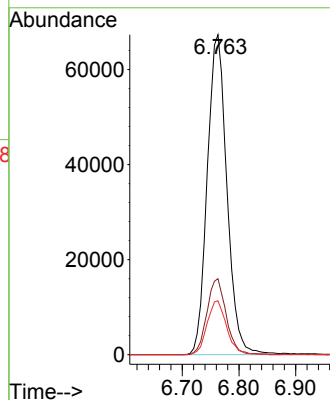
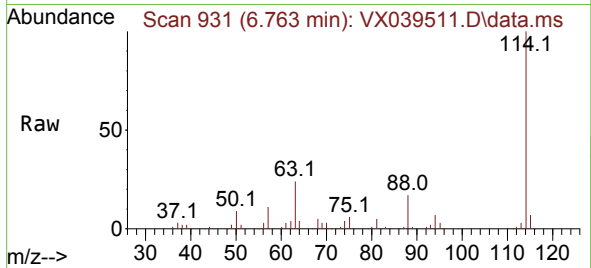




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

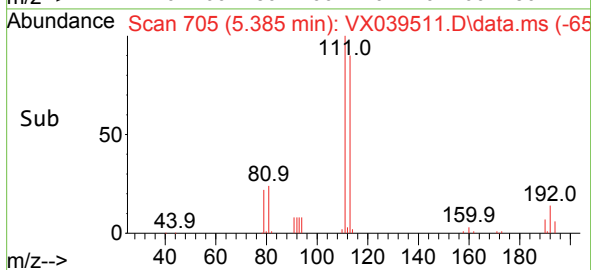
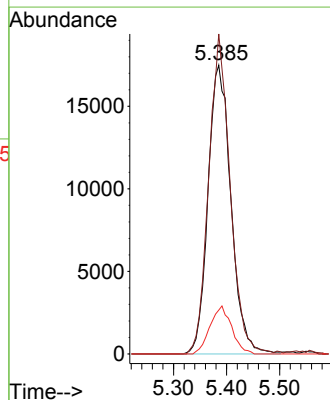
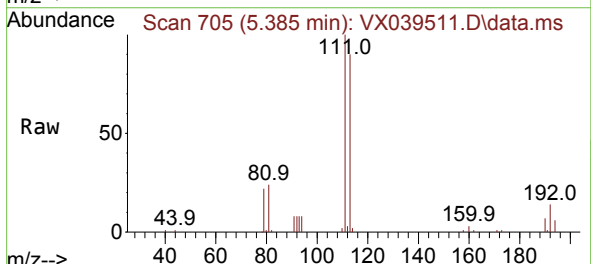
Instrument :
MSVOA_X
ClientSampleId :
50230

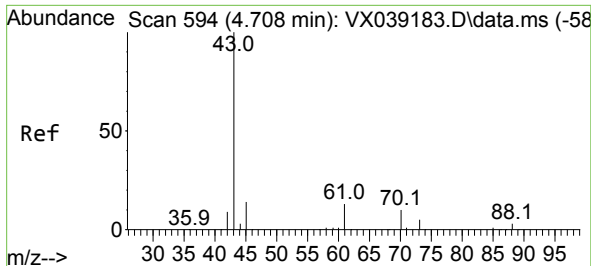
Tgt Ion:114 Resp: 162194
Ion Ratio Lower Upper
114 100
63 23.7 0.0 45.0
88 16.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.857 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

Tgt Ion:113 Resp: 52504
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 15.7 13.3 19.9





#37

Ethyl Acetate

Concen: 3.055 ug/l

RT: 4.727 min Scan# 594

Delta R.T. 0.018 min

Lab File: VX039511.D

Acq: 28 Dec 2023 13:15

Instrument :

MSVOA_X

ClientSampleId :

50230

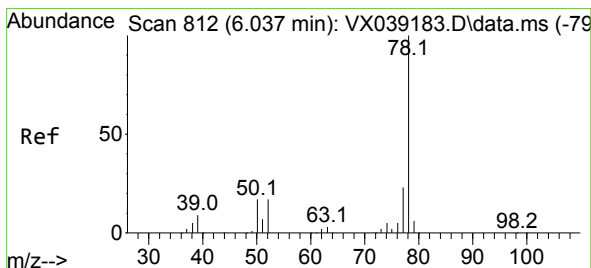
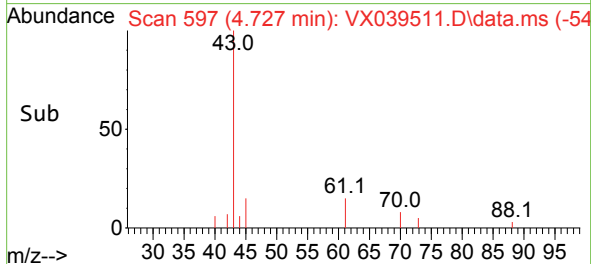
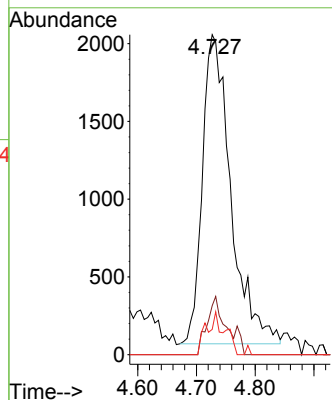
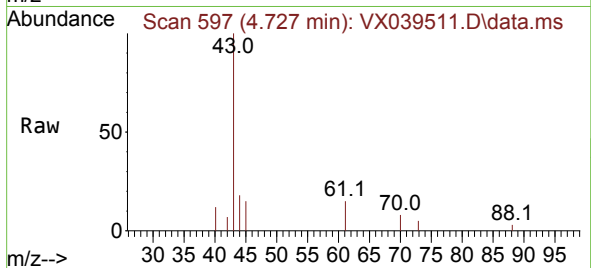
Tgt Ion: 43 Resp: 6674

Ion Ratio Lower Upper

43 100

61 13.1 10.6 16.0

70 8.9 8.3 12.5



#40

Benzene

Concen: 3.727 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX039511.D

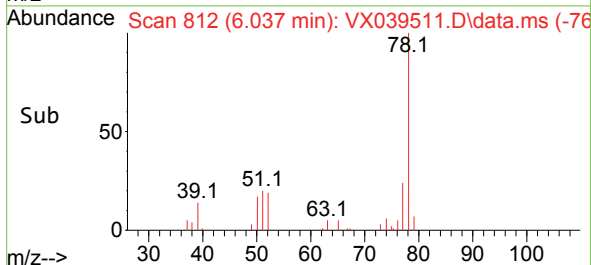
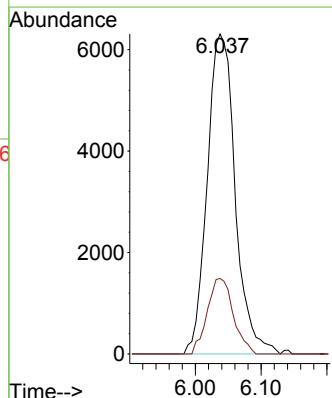
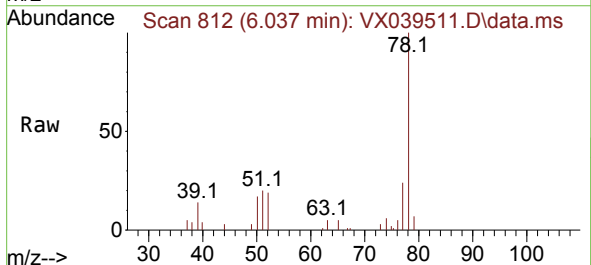
Acq: 28 Dec 2023 13:15

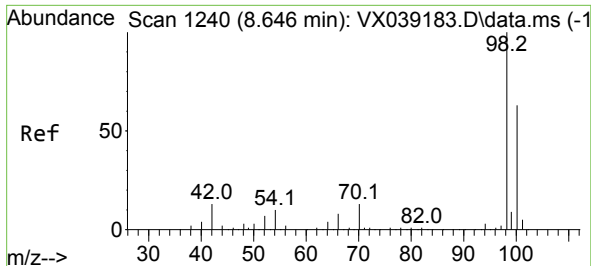
Tgt Ion: 78 Resp: 18642

Ion Ratio Lower Upper

78 100

77 23.6 19.3 28.9

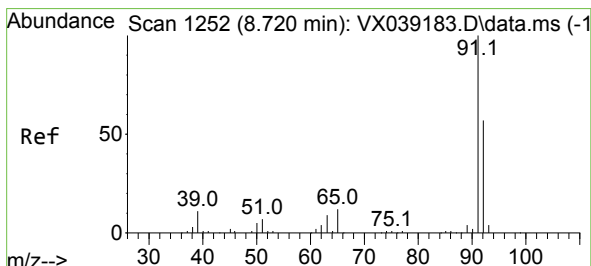
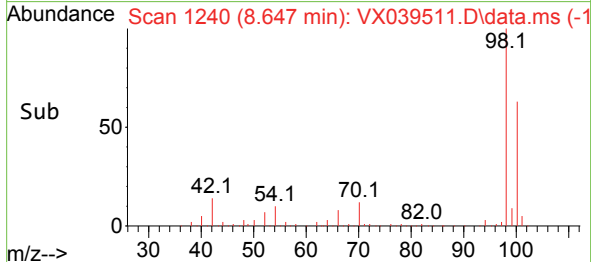
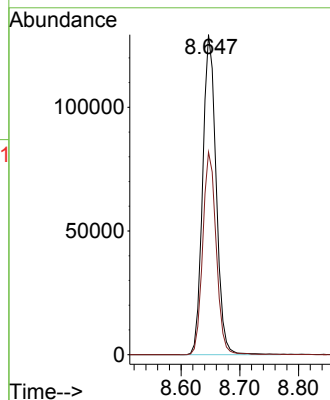
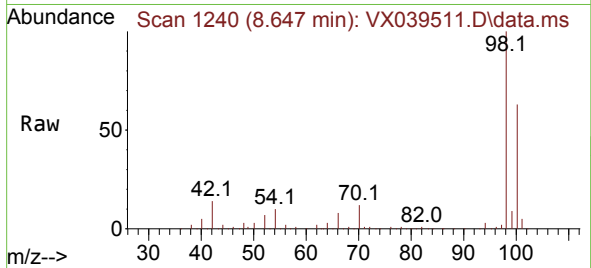




#50
Toluene-d8
Concen: 49.543 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

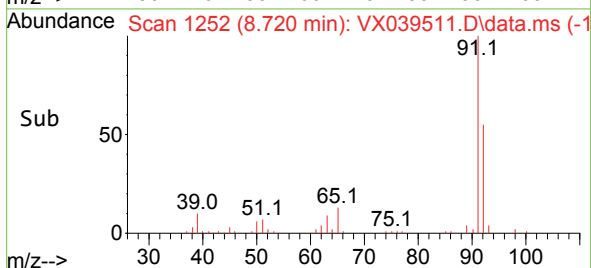
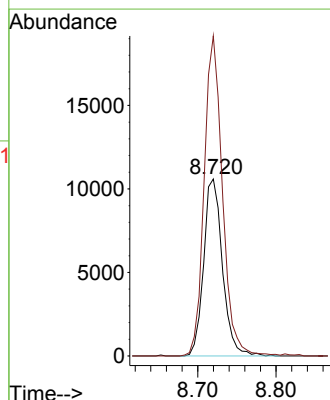
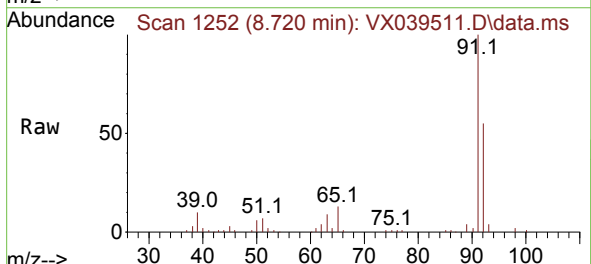
Instrument :
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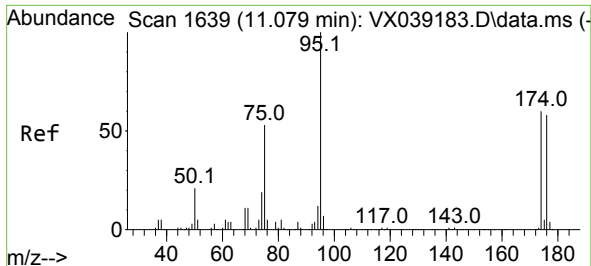
Tgt Ion: 98 Resp: 206096
Ion Ratio Lower Upper
98 100
100 63.2 53.1 79.7



#52
Toluene
Concen: 5.842 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

Tgt Ion: 92 Resp: 17637
Ion Ratio Lower Upper
92 100
91 176.0 134.2 201.2





#62

4-Bromofluorobenzene

Concen: 48.369 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039511.D

Acq: 28 Dec 2023 13:15

Instrument :

MSVOA_X

ClientSampleId :

50230

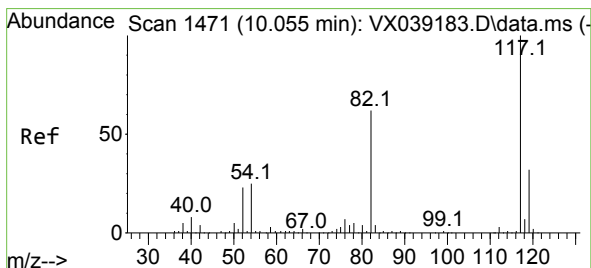
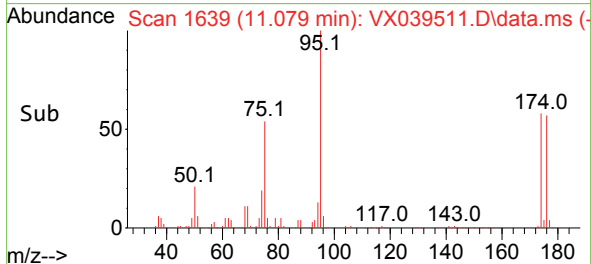
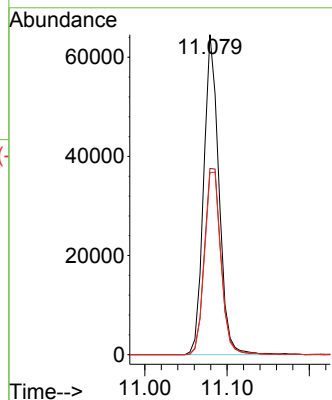
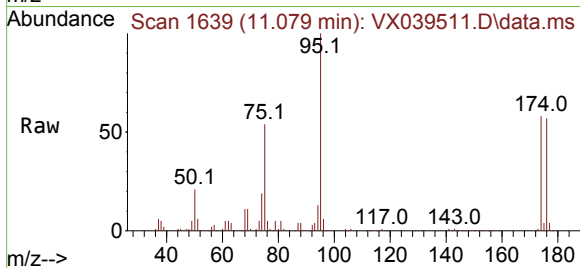
Tgt Ion: 95 Resp: 83020

Ion Ratio Lower Upper

95 100

174 63.4 0.0 135.6

176 61.7 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX039511.D

Acq: 28 Dec 2023 13:15

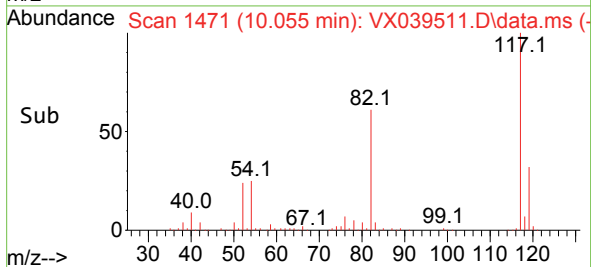
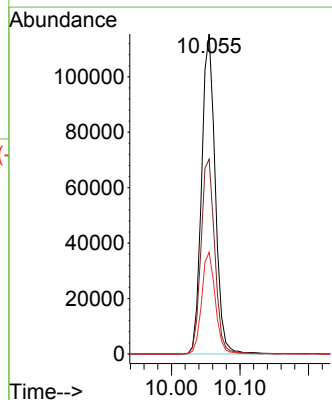
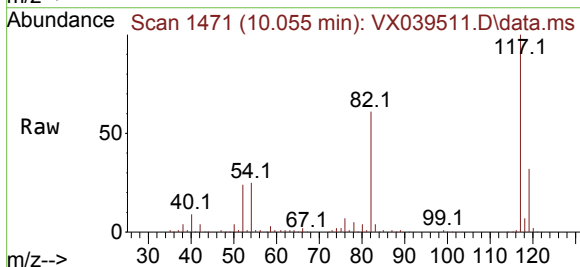
Tgt Ion: 117 Resp: 159981

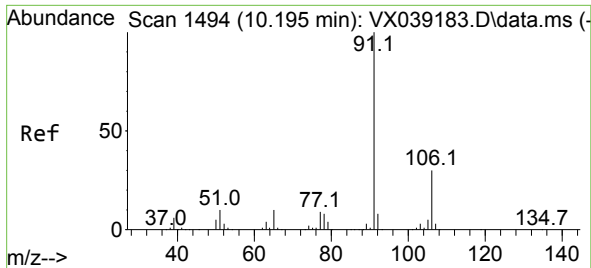
Ion Ratio Lower Upper

117 100

82 60.8 46.2 69.4

119 31.7 25.5 38.3

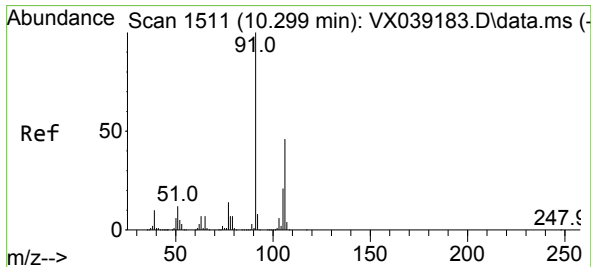
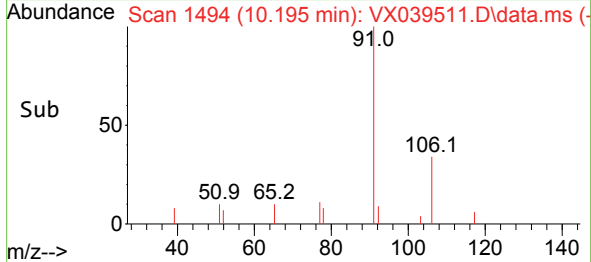
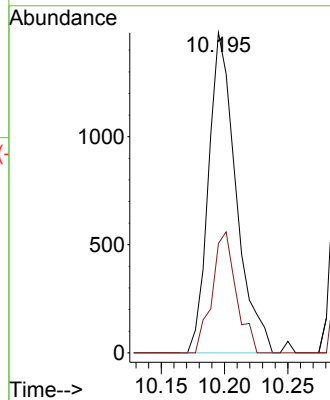
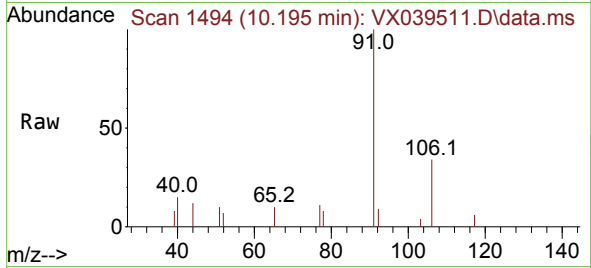




#67
Ethyl Benzene
Concen: 0.345 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

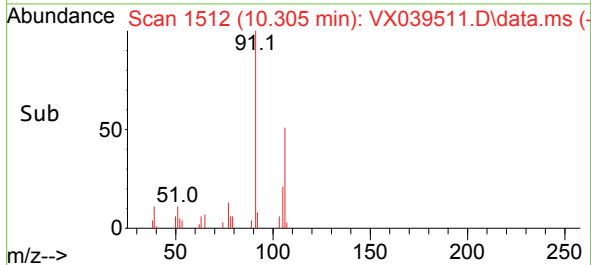
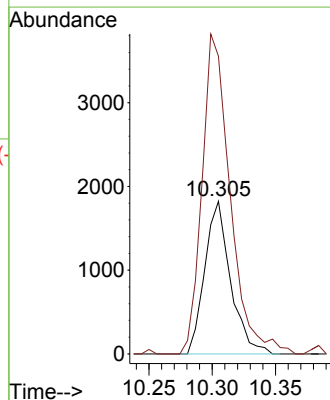
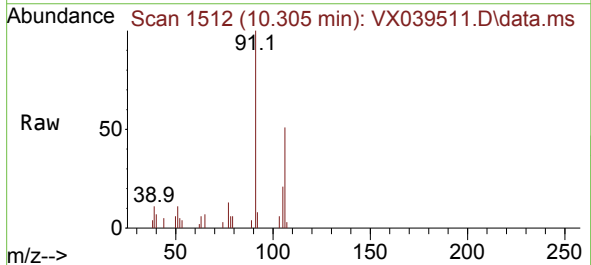
Instrument :
MSVOA_X
ClientSampleId :
50230

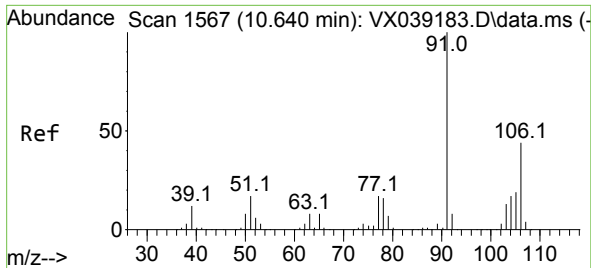
Tgt Ion: 91 Resp: 2241
Ion Ratio Lower Upper
91 100
106 34.2 24.9 37.3



#68
m/p-Xylenes
Concen: 1.108 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

Tgt Ion: 106 Resp: 2582
Ion Ratio Lower Upper
106 100
91 229.3 165.5 248.3

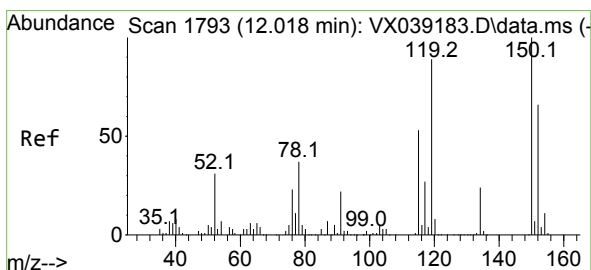
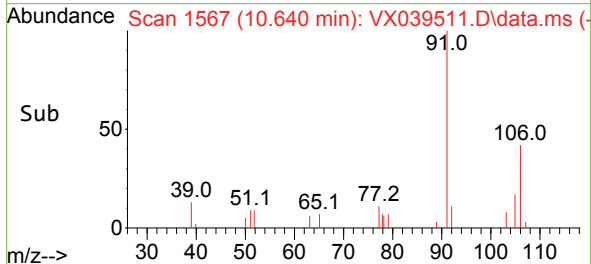
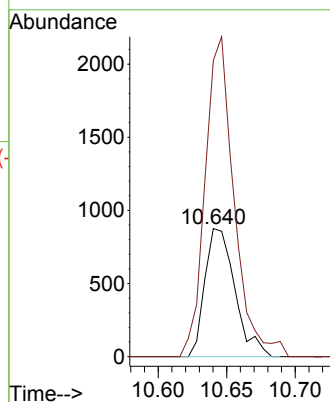
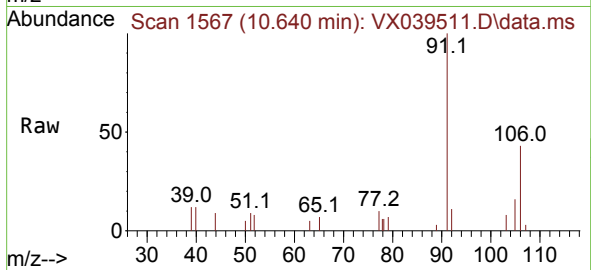




#69
o-Xylene
Concen: 0.592 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

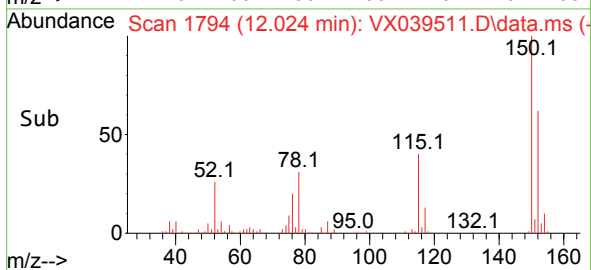
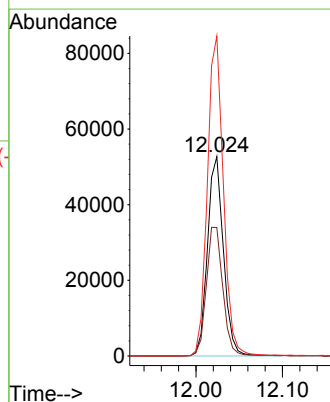
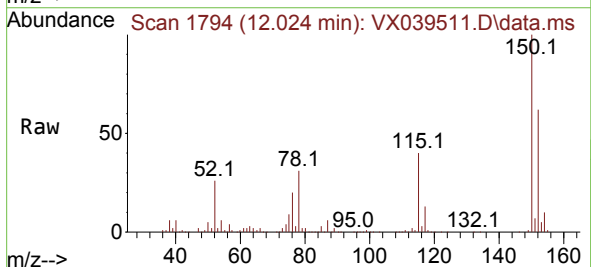
Instrument :
MSVOA_X
ClientSampleId :
50230

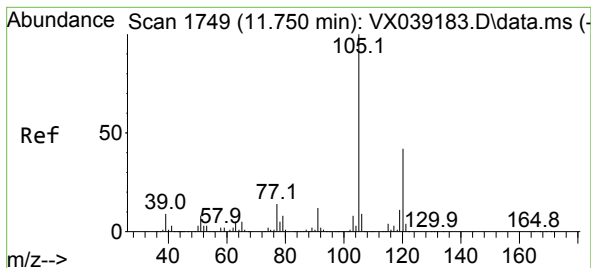
Tgt Ion:106 Resp: 1334
Ion Ratio Lower Upper
106 100
91 241.6 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039511.D
Acq: 28 Dec 2023 13:15

Tgt Ion:152 Resp: 67479
Ion Ratio Lower Upper
152 100
115 66.9 43.3 129.9
150 161.2 0.0 345.0





#84

1,2,4-Trimethylbenzene

Concen: 0.463 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX039511.D

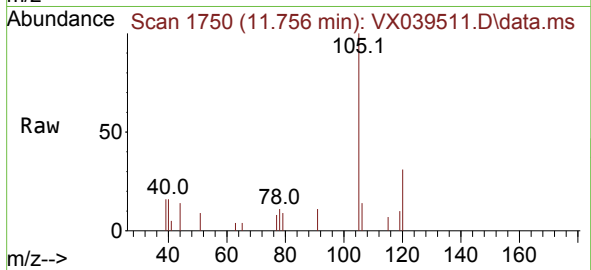
Acq: 28 Dec 2023 13:15

Instrument :

MSVOA_X

ClientSampleId :

50230



Tgt Ion:105 Resp: 2104

Ion Ratio Lower Upper

105 100

120 40.1 21.2 63.6

