

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
 Data File : VX039219.D
 Acq On : 14 Dec 2023 19:23
 Operator : JC/MD
 Sample : 05840-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 231213055-02-VOA

Quant Time: Dec 15 03:06:06 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)

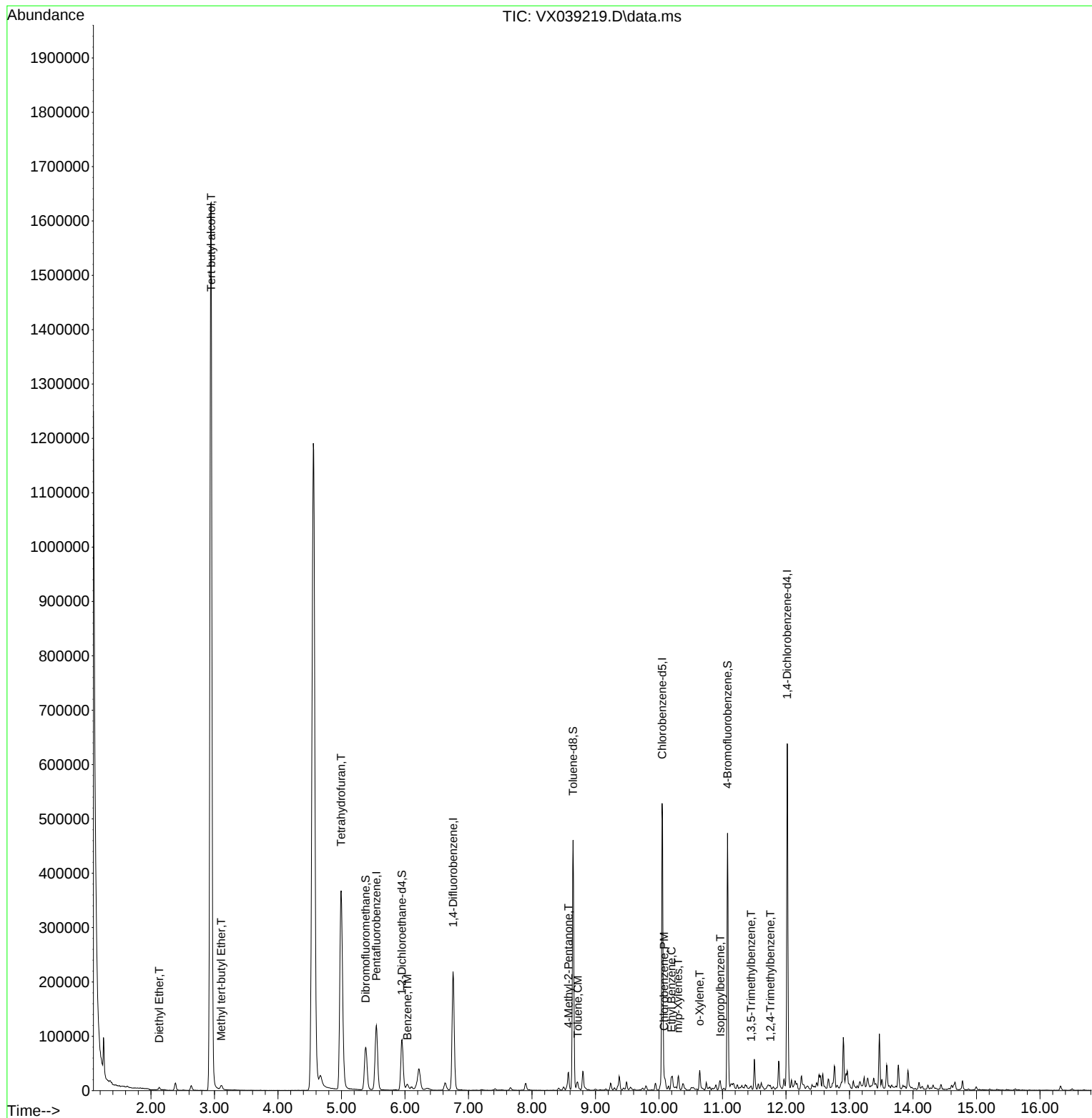
Internal Standards						
1) Pentafluorobenzene	5.550	168	101457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	209316	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	219648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	113149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89671	48.246	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.500%		
35) Dibromofluoromethane	5.379	113	69912	48.347	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.700%		
50) Toluene-d8	8.647	98	266123	49.571	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.140%		
62) 4-Bromofluorobenzene	11.079	95	125990	56.880	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	113.760%		
Target Compounds						Qvalue
8) Diethyl Ether	2.130	74	1393	1.870	ug/l	92
11) Tert butyl alcohol	2.947	59	2000135	4285.417	ug/l #	91
19) Methyl tert-butyl Ether	3.105	73	7978	1.691	ug/l	92
29) Tetrahydrofuran	4.995	42	352132	397.566	ug/l	99
40) Benzene	6.038	78	12194	1.889	ug/l	91
51) 4-Methyl-2-Pentanone	8.574	43	21102	7.224	ug/l	96
52) Toluene	8.720	92	3029	0.777	ug/l	91
65) Chlorobenzene	10.080	112	3013	0.628	ug/l #	85
67) Ethyl Benzene	10.195	91	12837	1.438	ug/l	91
68) m/p-Xylenes	10.299	106	3911	1.222	ug/l	98
69) o-Xylene	10.640	106	7266	2.349	ug/l	94
73) Isopropylbenzene	10.964	105	6479	0.742	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	3071	0.413	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	2472	0.324	ug/l	82

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

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Response via : Initial Calibration

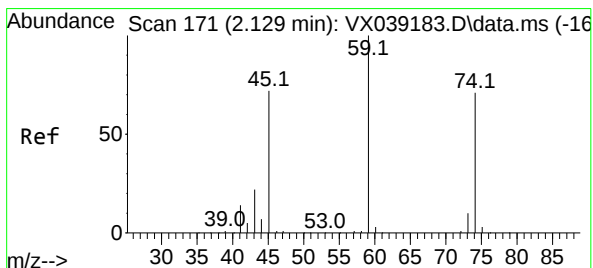
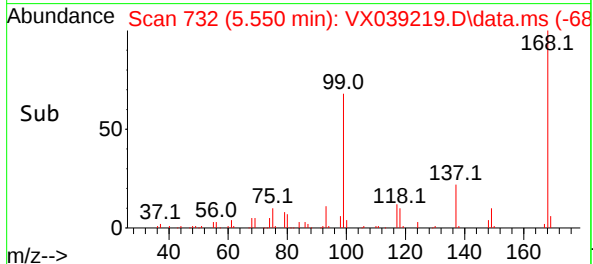
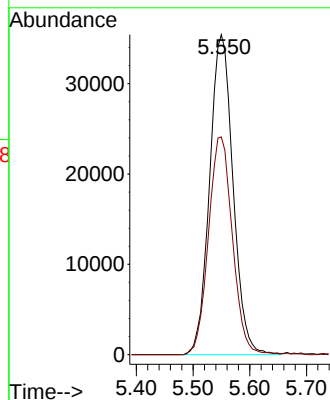
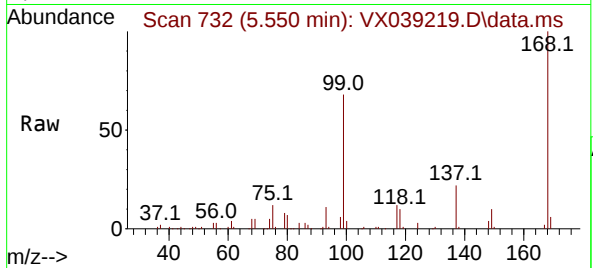




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX039219.D
Acq: 14 Dec 2023 19:23

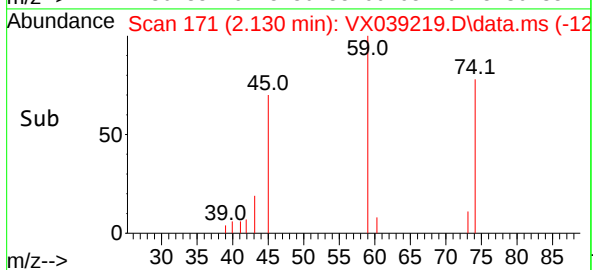
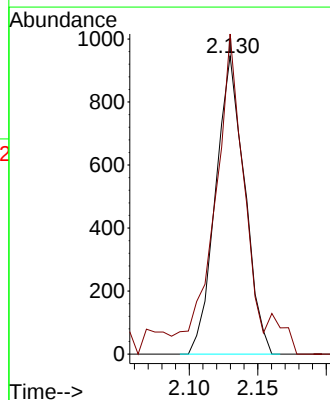
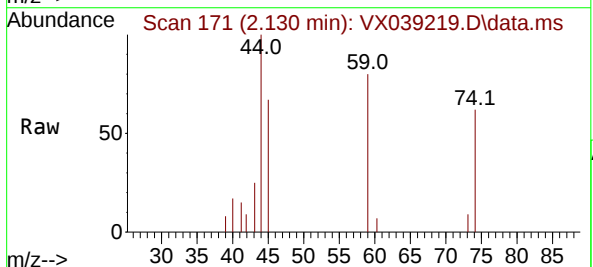
Instrument :
MSVOA_X
ClientSampleId :
231213055-02-VOA

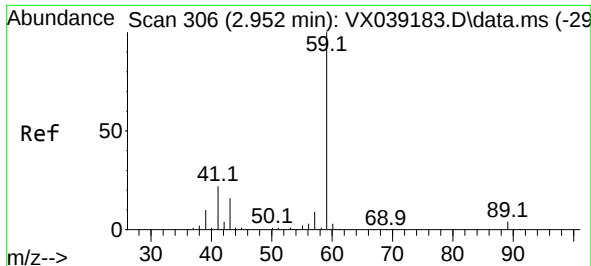
Tgt Ion:168 Resp: 101457
Ion Ratio Lower Upper
168 100
99 68.0 56.6 85.0



#8
Diethyl Ether
Concen: 1.870 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX039219.D
Acq: 14 Dec 2023 19:23

Tgt Ion: 74 Resp: 1393
Ion Ratio Lower Upper
74 100
45 114.9 53.3 159.8

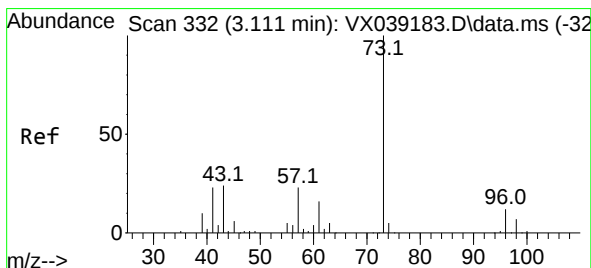
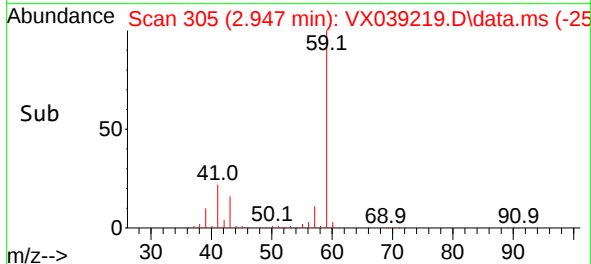
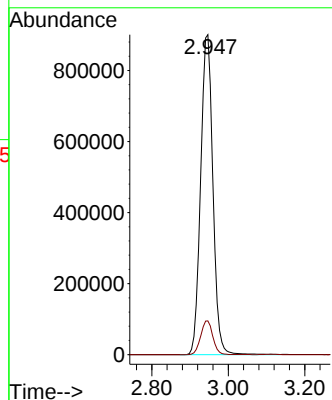
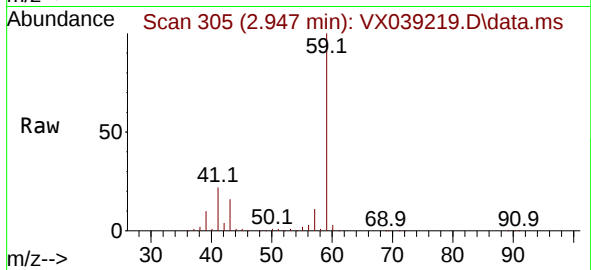




#11
Tert butyl alcohol
Concen: 4285.417 ug/l
RT: 2.947 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX039219.D
Acq: 14 Dec 2023 19:23

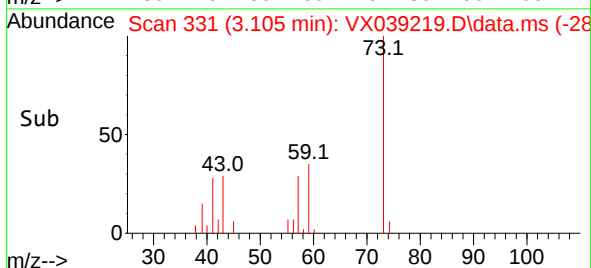
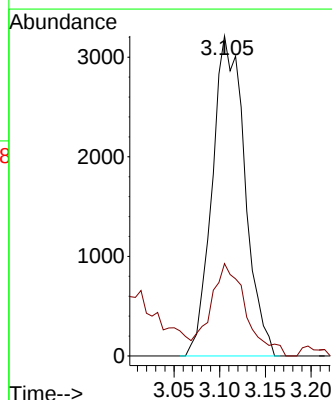
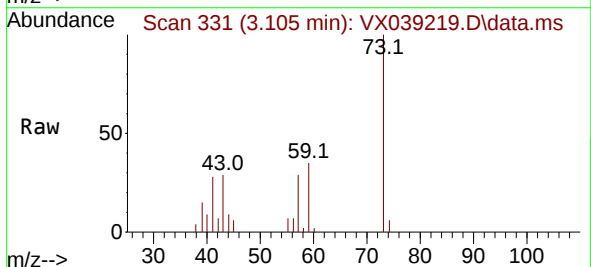
Instrument :
MSVOA_X
ClientSampleId :
231213055-02-VOA

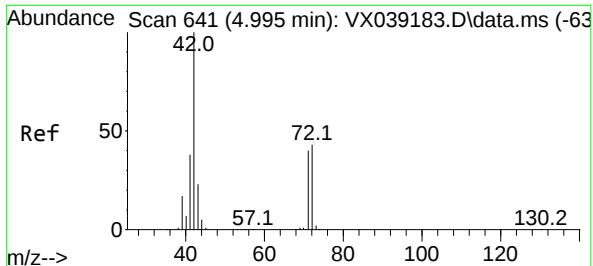
Tgt Ion: 59 Resp: 2000135
Ion Ratio Lower Upper
59 100
57 10.5 6.0 9.0#



#19
Methyl tert-butyl Ether
Concen: 1.691 ug/l
RT: 3.105 min Scan# 331
Delta R.T. -0.006 min
Lab File: VX039219.D
Acq: 14 Dec 2023 19:23

Tgt Ion: 73 Resp: 7978
Ion Ratio Lower Upper
73 100
57 25.6 17.3 25.9





#29

Tetrahydrofuran

Concen: 397.566 ug/l

RT: 4.995 min Scan# 641

Delta R.T. 0.000 min

Lab File: VX039219.D

Acq: 14 Dec 2023 19:23

Instrument :

MSVOA_X

ClientSampleId :

231213055-02-VOA

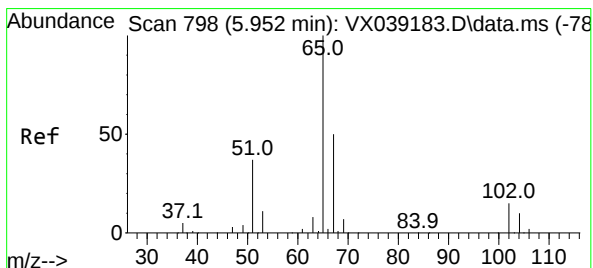
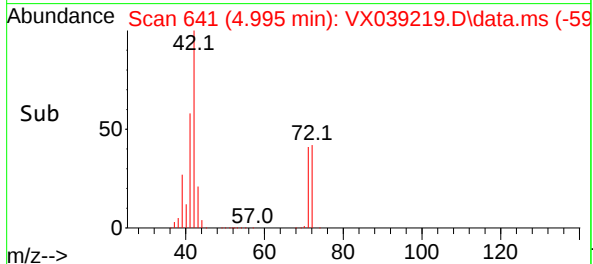
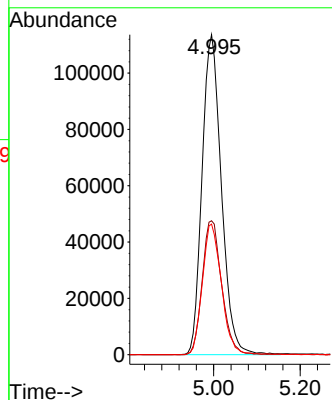
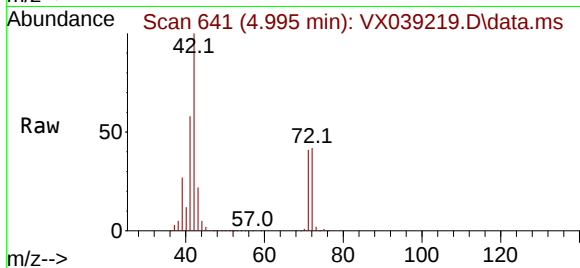
Tgt Ion: 42 Resp: 352132

Ion Ratio Lower Upper

42 100

72 42.2 34.2 51.4

71 40.2 32.2 48.2



#33

1,2-Dichloroethane-d4

Concen: 48.246 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039219.D

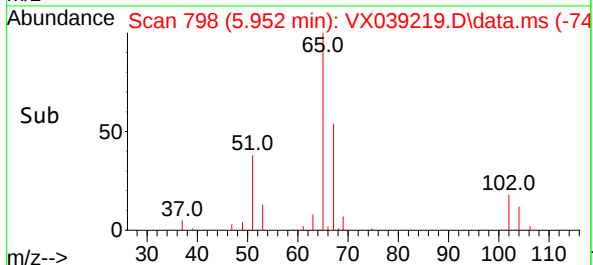
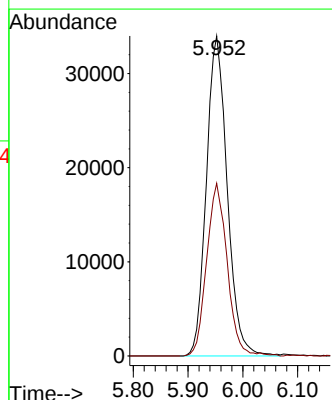
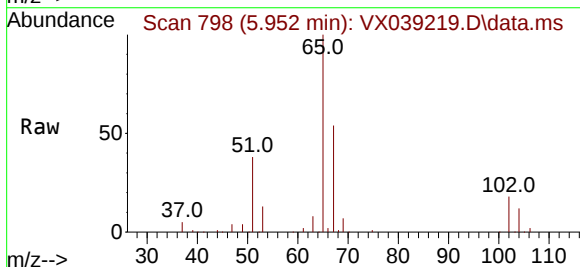
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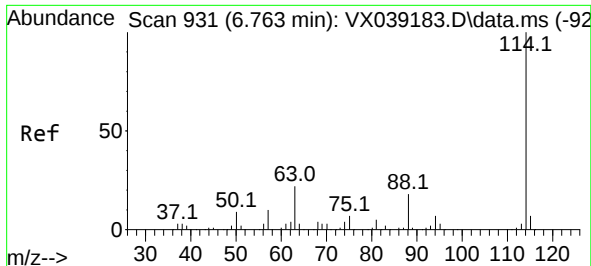
Tgt Ion: 65 Resp: 89671

Ion Ratio Lower Upper

65 100

67 53.2 0.0 100.2

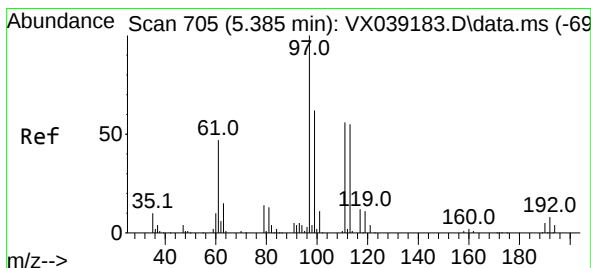
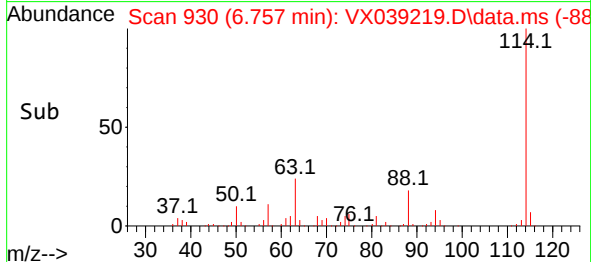
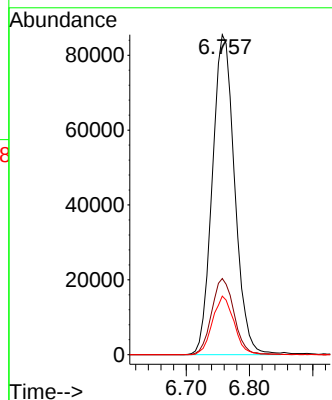
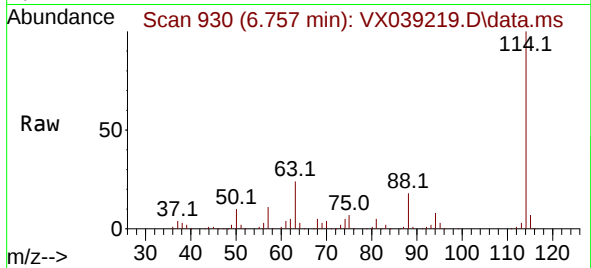




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX039219.D
Acq: 14 Dec 2023 19:23

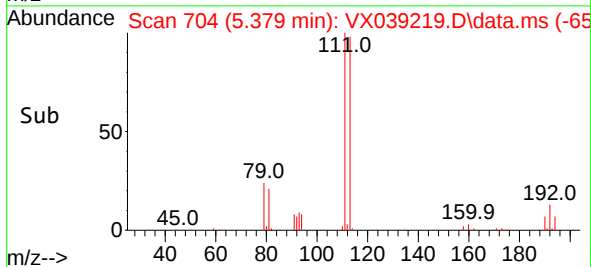
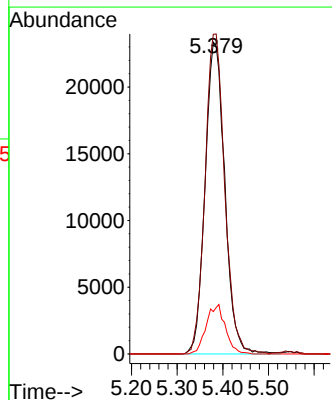
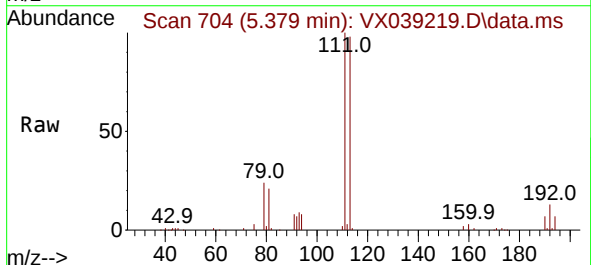
Instrument :
MSVOA_X
ClientSampleId :
231213055-02-VOA

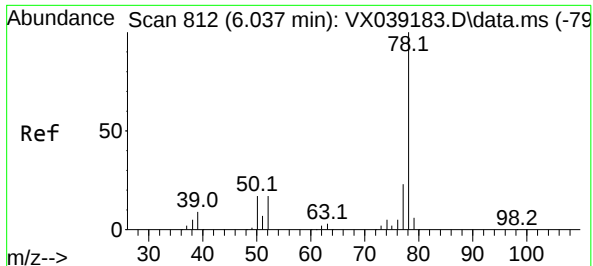
Tgt Ion:114 Resp: 209316
Ion Ratio Lower Upper
114 100
63 23.8 0.0 45.0
88 18.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.347 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX039219.D
Acq: 14 Dec 2023 19:23

Tgt Ion:113 Resp: 69912
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 15.4 13.3 19.9





#40

Benzene

Concen: 1.889 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX039219.D

Acq: 14 Dec 2023 19:23

Instrument :

MSVOA_X

ClientSampleId :

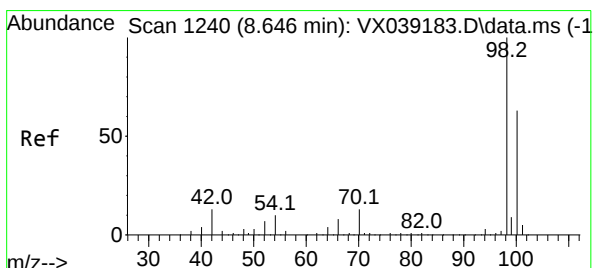
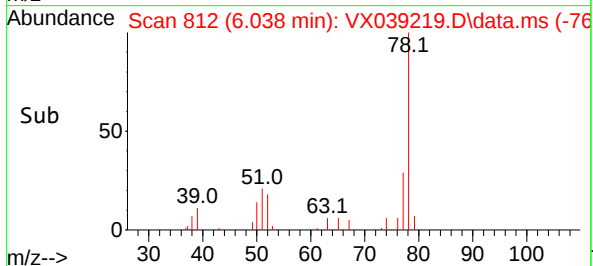
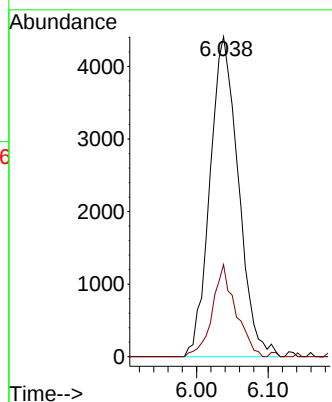
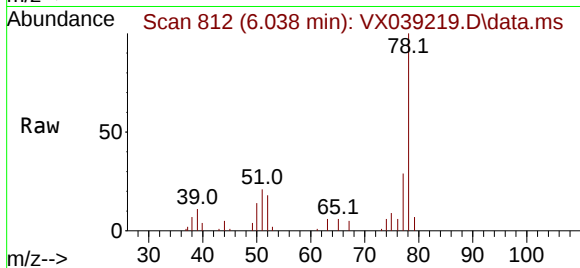
231213055-02-VOA

Tgt Ion: 78 Resp: 12194

Ion Ratio Lower Upper

78 100

77 28.7 19.3 28.9



#50

Toluene-d8

Concen: 49.571 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX039219.D

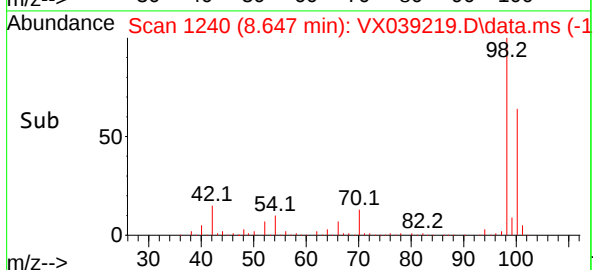
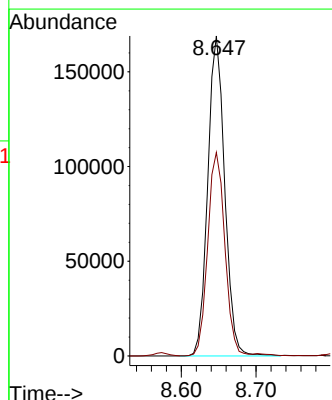
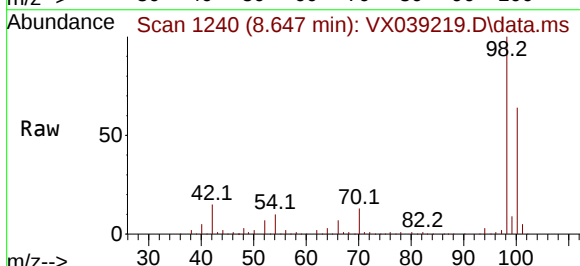
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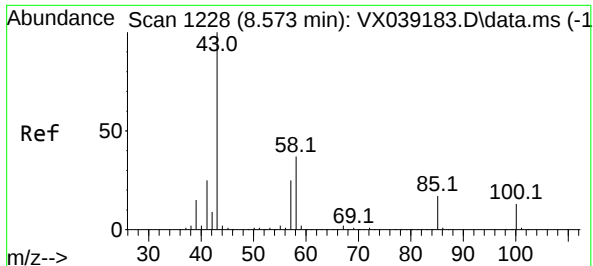
Tgt Ion: 98 Resp: 266123

Ion Ratio Lower Upper

98 100

100 64.2 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 7.224 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039219.D

Acq: 14 Dec 2023 19:23

Instrument :

MSVOA_X

ClientSampleId :

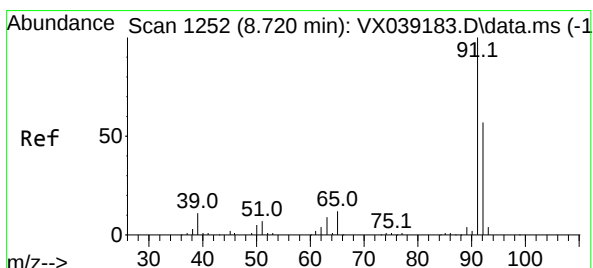
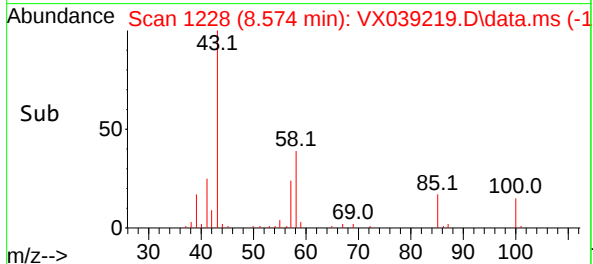
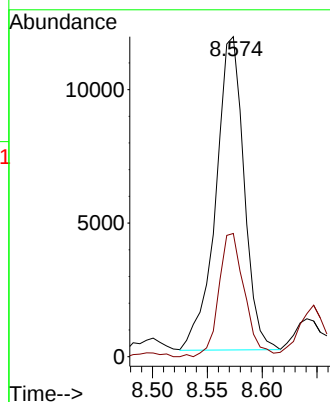
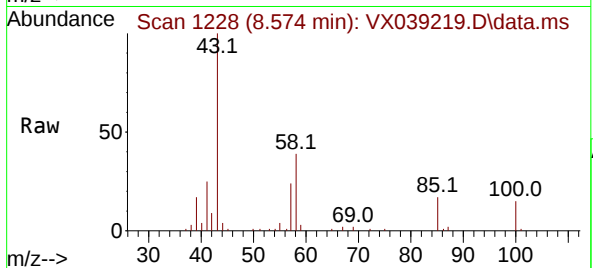
231213055-02-VOA

Tgt Ion: 43 Resp: 21102

Ion Ratio Lower Upper

43 100

58 35.6 30.4 45.6



#52

Toluene

Concen: 0.777 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX039219.D

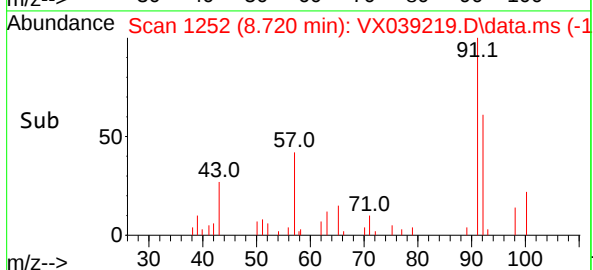
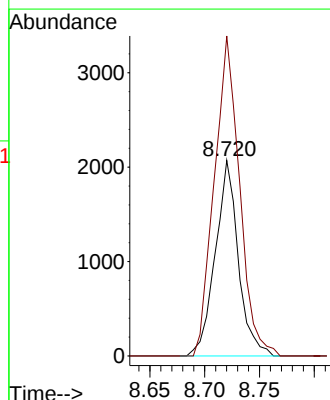
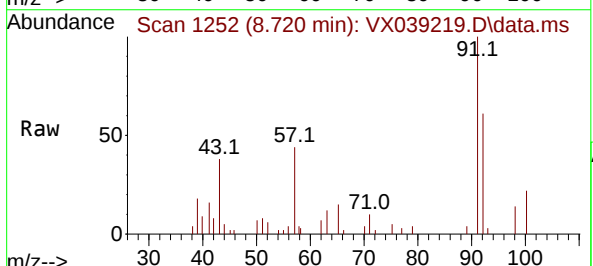
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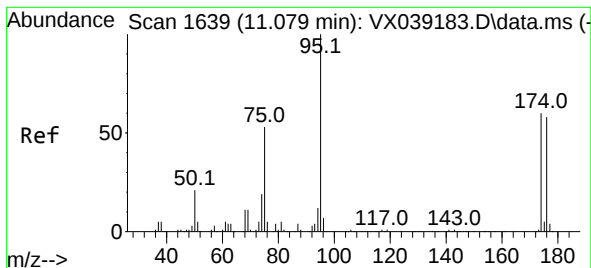
Tgt Ion: 92 Resp: 3029

Ion Ratio Lower Upper

92 100

91 179.3 134.2 201.2

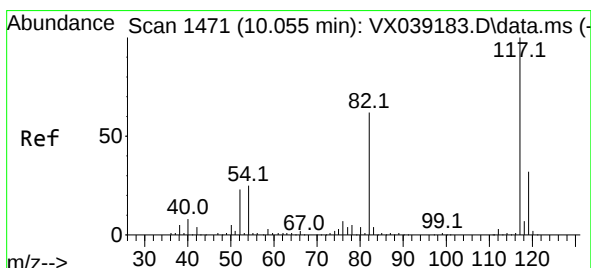
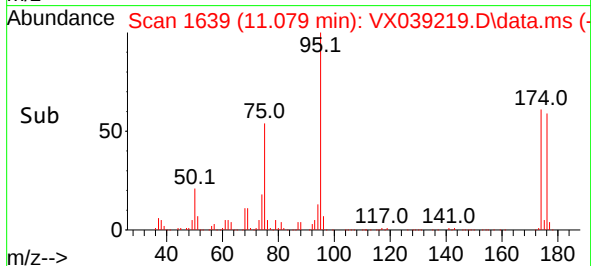
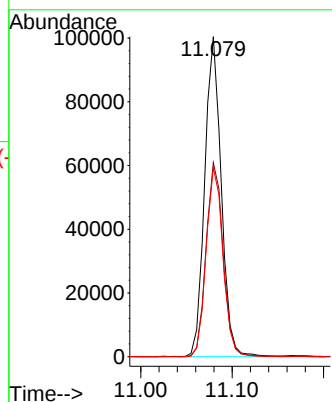
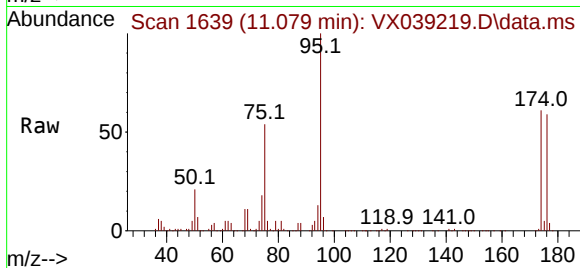




#62
4-Bromofluorobenzene
Concen: 56.880 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX039219.D
Acq: 14 Dec 2023 19:23

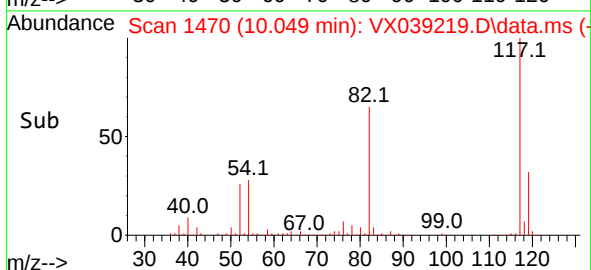
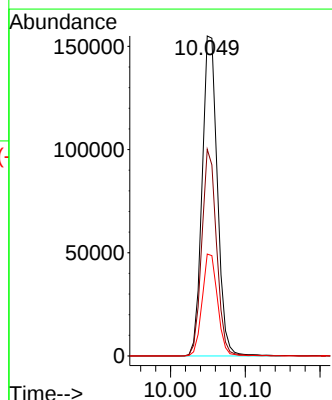
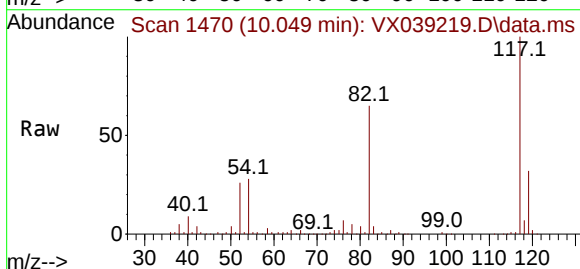
Instrument :
MSVOA_X
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231213055-02-VOA

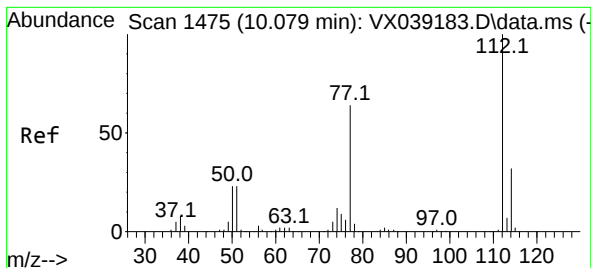
Tgt Ion: 95 Resp: 125990
Ion Ratio Lower Upper
95 100
174 62.2 0.0 135.6
176 59.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX039219.D
Acq: 14 Dec 2023 19:23

Tgt Ion: 117 Resp: 219648
Ion Ratio Lower Upper
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82 64.6 46.2 69.4
119 31.9 25.5 38.3

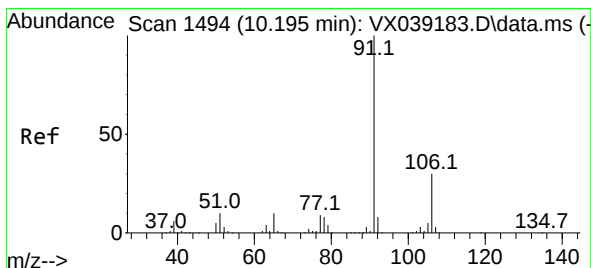
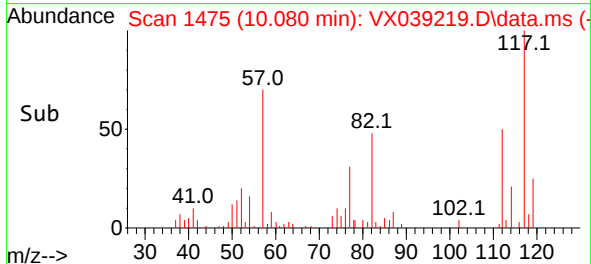
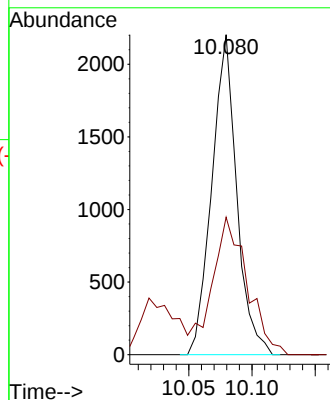
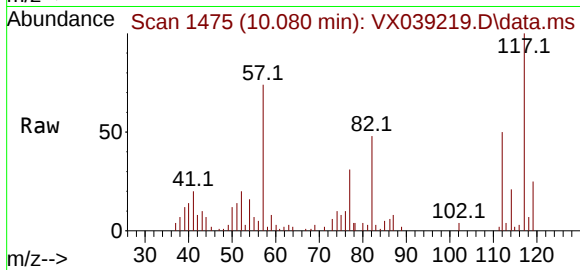




#65
Chlorobenzene
Concen: 0.628 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX039219.D
Acq: 14 Dec 2023 19:23

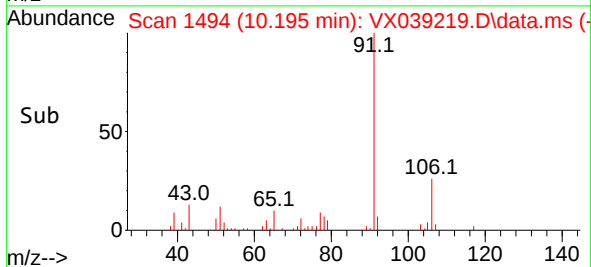
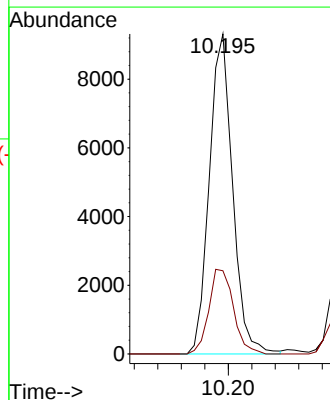
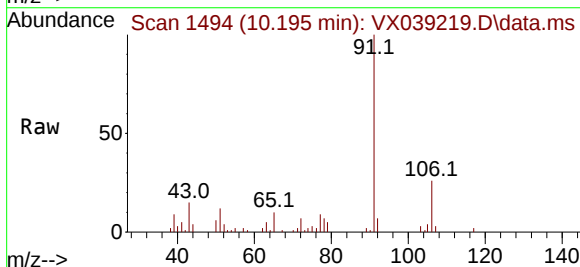
Instrument :
MSVOA_X
ClientSampleId :
231213055-02-VOA

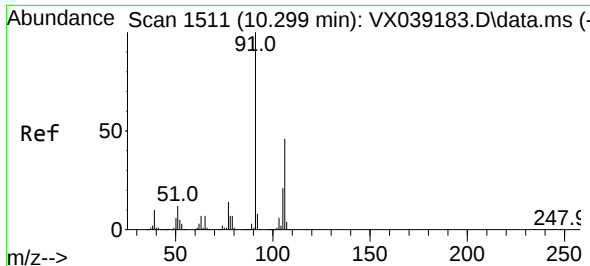
Tgt Ion:112 Resp: 3013
Ion Ratio Lower Upper
112 100
114 40.3 25.7 38.5#



#67
Ethyl Benzene
Concen: 1.438 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX039219.D
Acq: 14 Dec 2023 19:23

Tgt Ion: 91 Resp: 12837
Ion Ratio Lower Upper
91 100
106 26.0 24.9 37.3

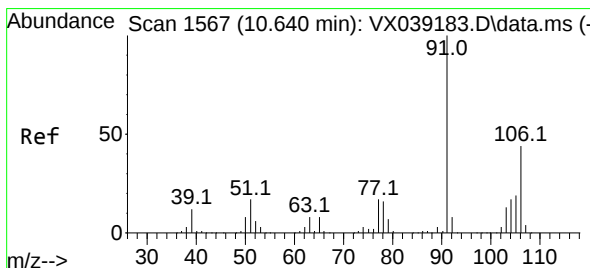
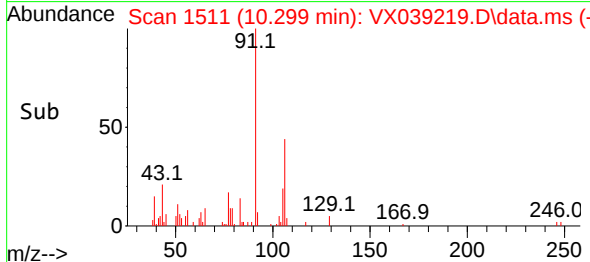
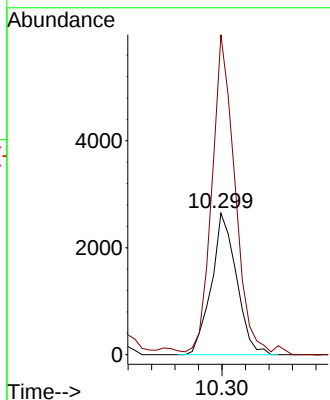
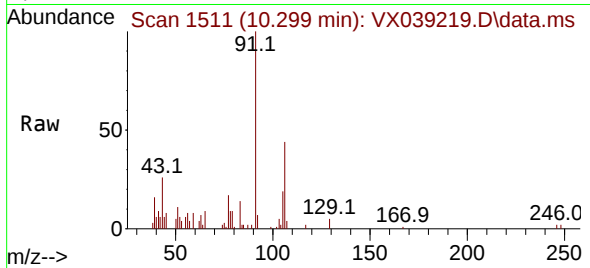




#68
m/p-Xylenes
Concen: 1.222 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX039219.D
Acq: 14 Dec 2023 19:23

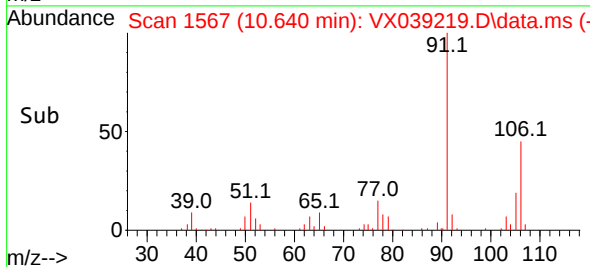
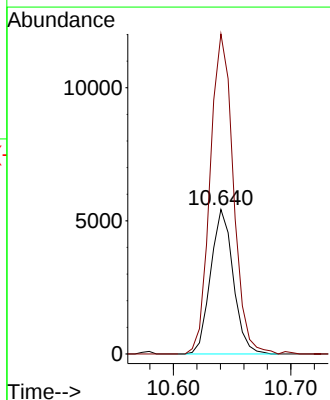
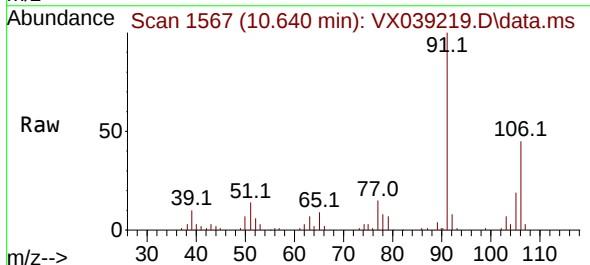
Instrument :
MSVOA_X
ClientSampleId :
231213055-02-VOA

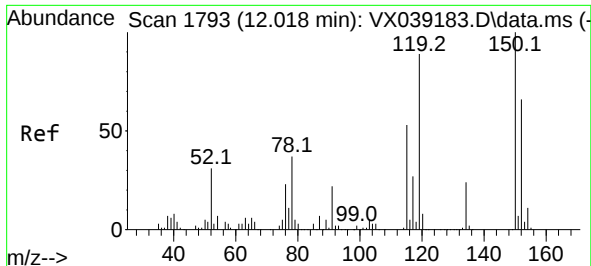
Tgt Ion:106 Resp: 3911
Ion Ratio Lower Upper
106 100
91 210.4 165.5 248.3



#69
o-Xylene
Concen: 2.349 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX039219.D
Acq: 14 Dec 2023 19:23

Tgt Ion:106 Resp: 7266
Ion Ratio Lower Upper
106 100
91 227.1 108.9 326.8

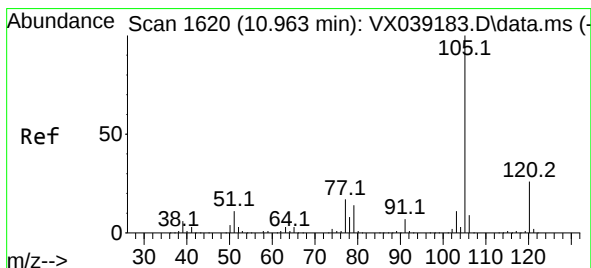
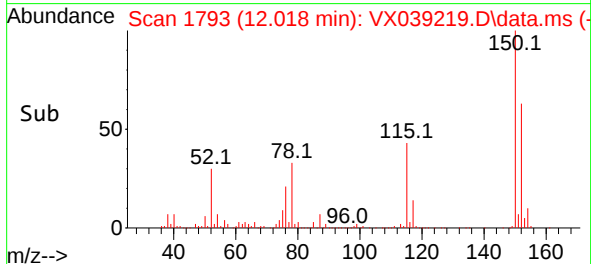
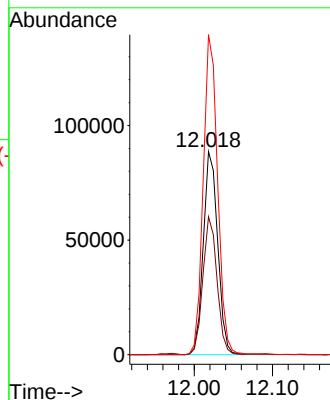
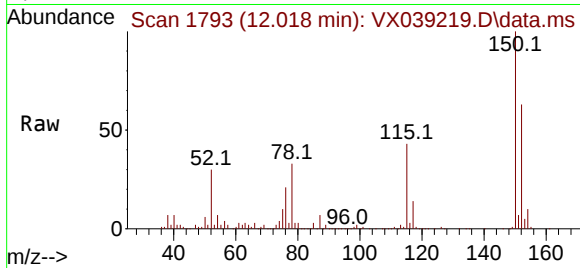




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039219.D
Acq: 14 Dec 2023 19:23

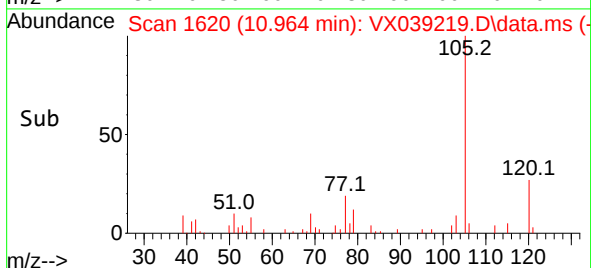
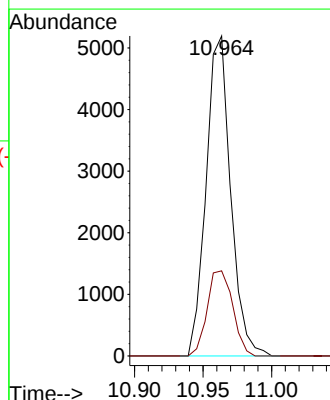
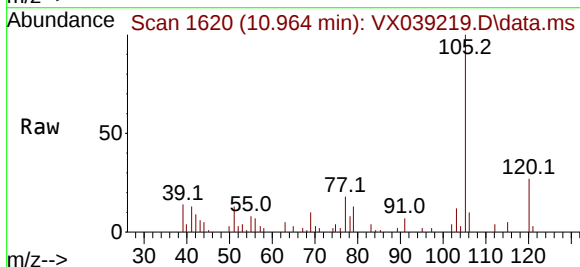
Instrument :
MSVOA_X
ClientSampleId :
231213055-02-VOA

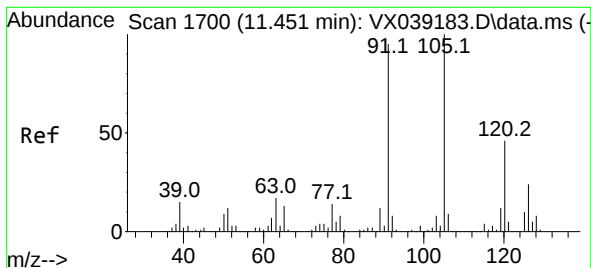
Tgt Ion:152 Resp: 113149
Ion Ratio Lower Upper
152 100
115 66.7 43.3 129.9
150 157.2 0.0 345.0



#73
Isopropylbenzene
Concen: 0.742 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX039219.D
Acq: 14 Dec 2023 19:23

Tgt Ion:105 Resp: 6479
Ion Ratio Lower Upper
105 100
120 27.7 12.9 38.6





#80

1,3,5-Trimethylbenzene

Concen: 0.413 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039219.D

Acq: 14 Dec 2023 19:23

Instrument :

MSVOA_X

ClientSampleId :

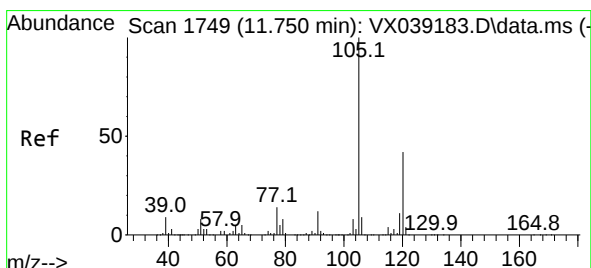
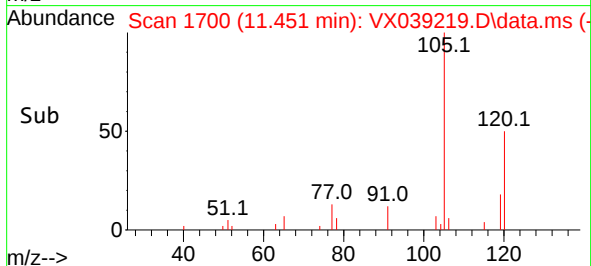
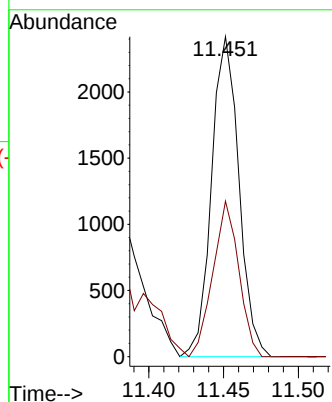
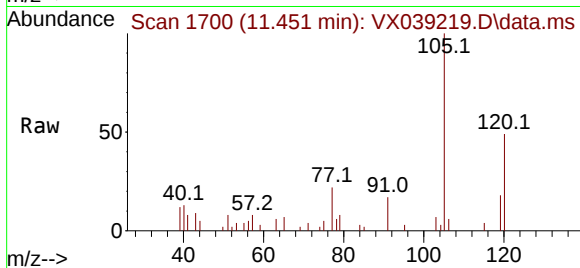
231213055-02-VOA

Tgt Ion:105 Resp: 3071

Ion Ratio Lower Upper

105 100

120 46.0 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 0.324 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX039219.D

Acq: 14 Dec 2023 19:23

Tgt Ion:105 Resp: 2472

Ion Ratio Lower Upper

105 100

120 54.0 21.2 63.6

