

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122623\
 Data File : VX039468.D
 Acq On : 26 Dec 2023 15:27
 Operator : JC/MD
 Sample : 05993-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 E8965C-S-002

Quant Time: Dec 26 16:15:36 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	95044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	197197	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99798	50.000	ug/l	0.00

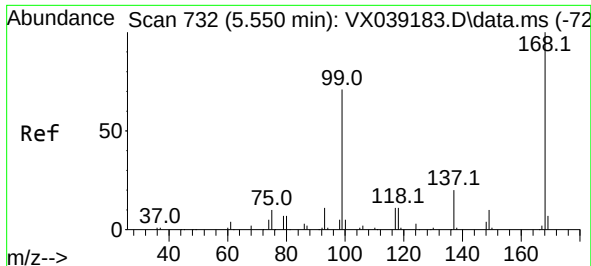
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	80508	46.239	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.480%
35) Dibromofluoromethane	5.385	113	48628	35.695	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	71.380%#
50) Toluene-d8	8.647	98	252274	49.879	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.760%
62) 4-Bromofluorobenzene	11.079	95	115035	55.125	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.260%

Target Compounds						Qvalue
16) Acetone	2.380	43	203978	196.828	ug/l	94
18) Methyl Acetate	2.703	43	12186	3.236	ug/l	97
20) Methylene Chloride	2.782	84	6896	4.751	ug/l	99
25) 2-Butanone	4.568	43	15202	10.118	ug/l	98
40) Benzene	6.038	78	41277	6.788	ug/l	97
51) 4-Methyl-2-Pentanone	8.586	43	8158	2.965	ug/l	94
52) Toluene	8.720	92	71397	19.452	ug/l	92
67) Ethyl Benzene	10.195	91	3939471	477.211	ug/l	99
68) m/p-Xylenes	10.311	106	4016244	1356.901	ug/l	96
69) o-Xylene	10.647	106	2283326	797.867	ug/l	99
73) Isopropylbenzene	10.964	105	1871239	243.024	ug/l	100
78) n-propylbenzene	11.305	91	4287275	451.916	ug/l	99
80) 1,3,5-Trimethylbenzene	11.463	105	6875709	1048.217	ug/l	98
84) 1,2,4-Trimethylbenzene	11.768	105	16187805	2406.507	ug/l	78
86) p-Isopropyltoluene	12.012	119	116708m	17.506	ug/l	
89) n-Butylbenzene	12.317	91	323095	49.301	ug/l #	15
95) Naphthalene	13.774	128	1459573	199.976	ug/l	100

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

Quant Time: Dec 26 16:15:36 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

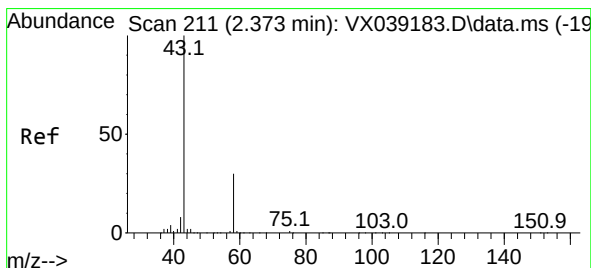
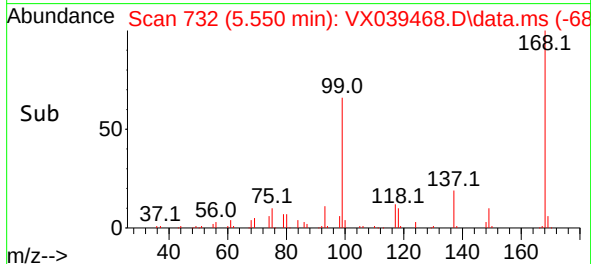
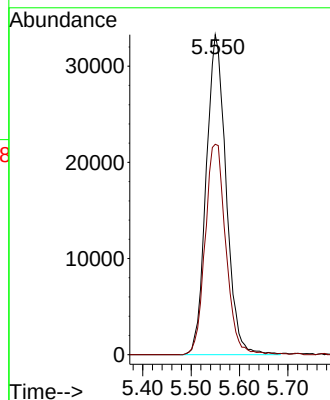
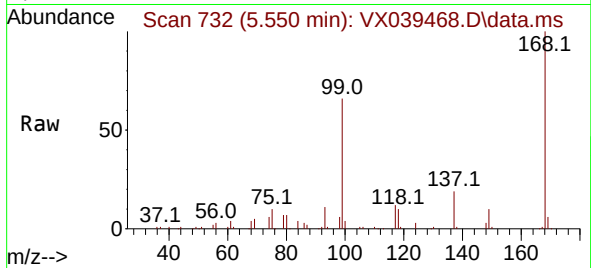




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039468.D
Acq: 26 Dec 2023 15:27

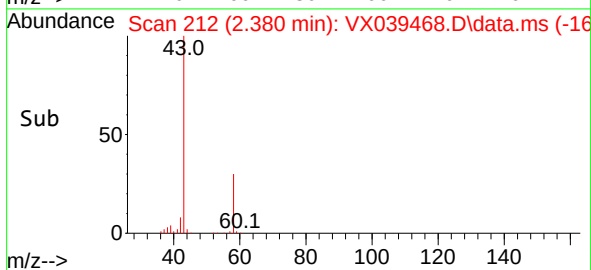
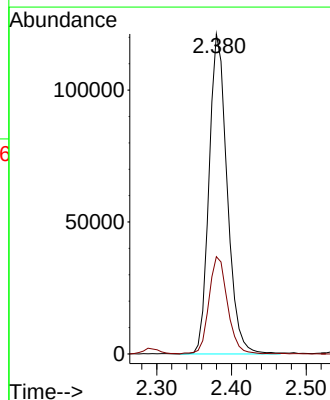
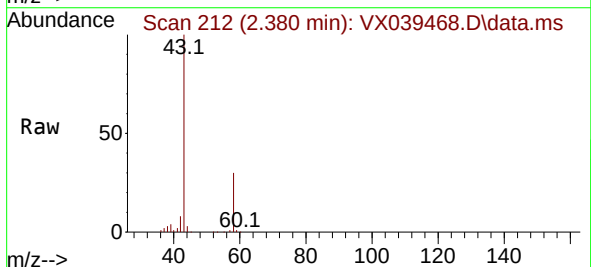
Instrument :
MSVOA_X
ClientSampleId :
E8965C-S-002

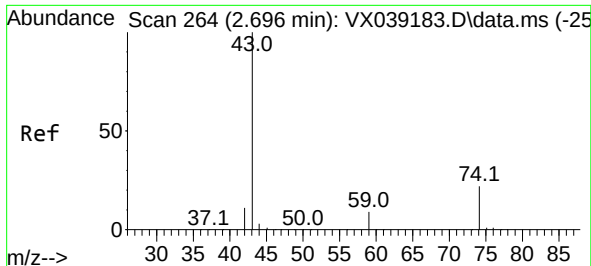
Tgt Ion:168 Resp: 95044
Ion Ratio Lower Upper
168 100
99 65.8 56.6 85.0



#16
Acetone
Concen: 196.828 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.007 min
Lab File: VX039468.D
Acq: 26 Dec 2023 15:27

Tgt Ion: 43 Resp: 203978
Ion Ratio Lower Upper
43 100
58 30.3 21.9 32.9

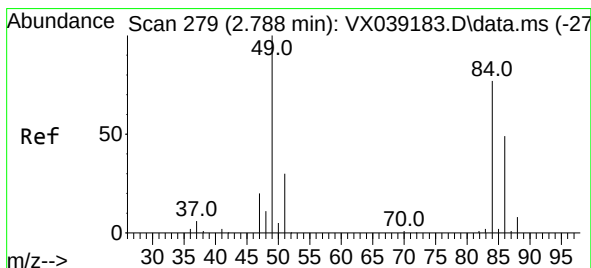
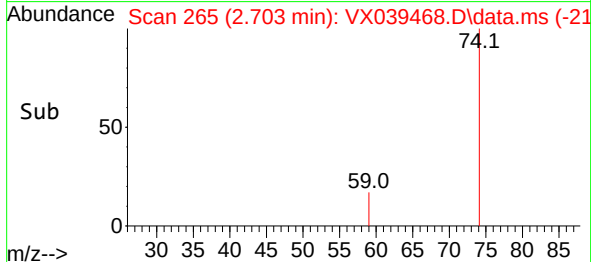
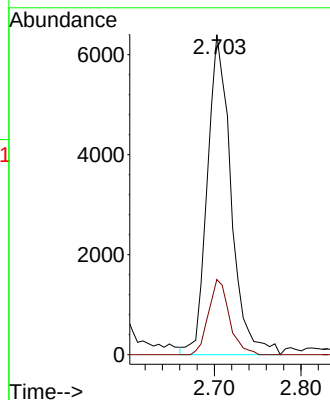
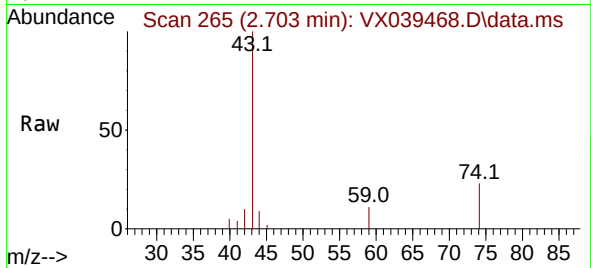




#18
Methyl Acetate
Concen: 3.236 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX039468.D
Acq: 26 Dec 2023 15:27

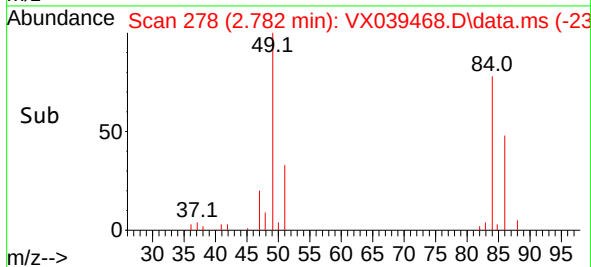
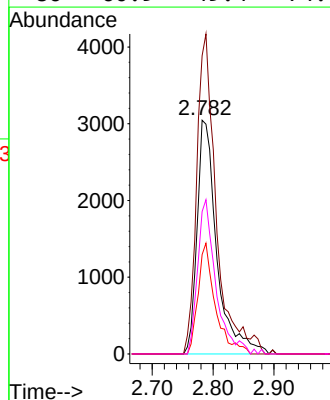
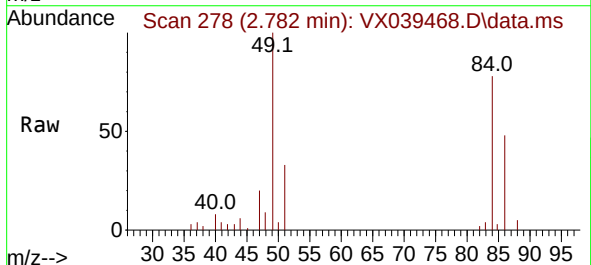
Instrument :
MSVOA_X
ClientSampleId :
E8965C-S-002

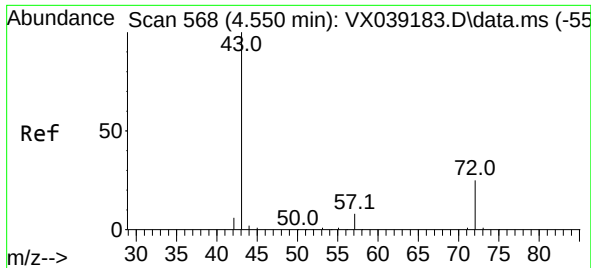
Tgt Ion: 43 Resp: 12186
Ion Ratio Lower Upper
43 100
74 20.6 17.8 26.8



#20
Methylene Chloride
Concen: 4.751 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX039468.D
Acq: 26 Dec 2023 15:27

Tgt Ion: 84 Resp: 6896
Ion Ratio Lower Upper
84 100
49 127.6 103.6 155.4
51 42.5 33.8 50.6
86 60.9 49.4 74.0

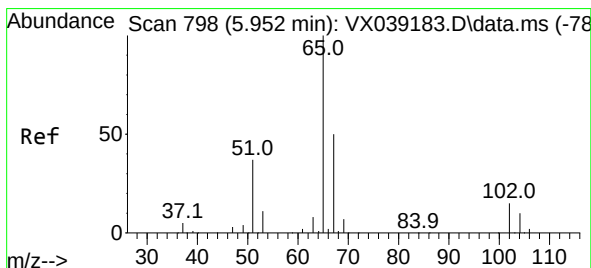
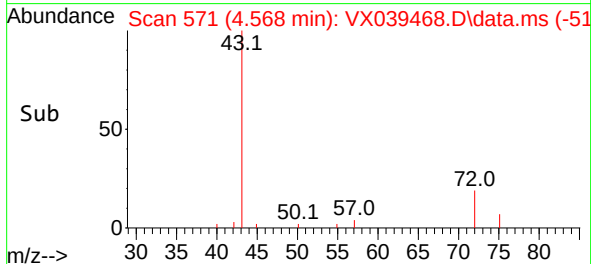
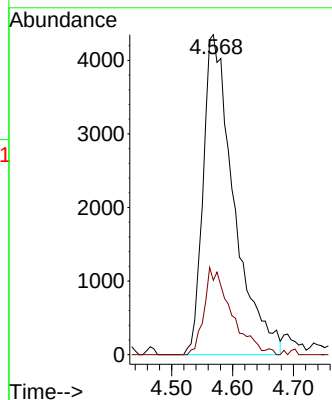
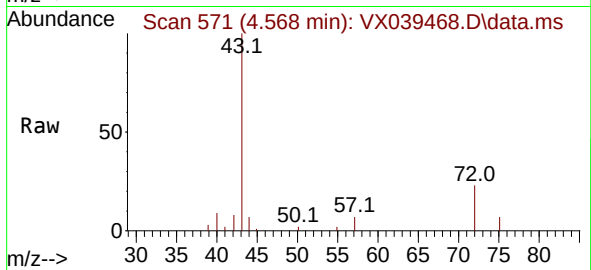




#25
2-Butanone
Concen: 10.118 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX039468.D
Acq: 26 Dec 2023 15:27

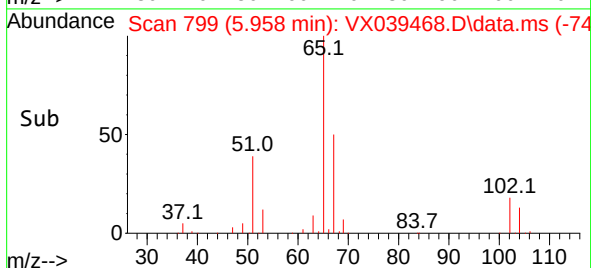
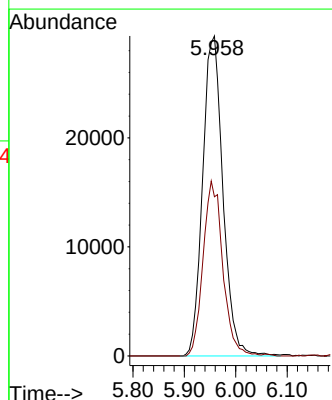
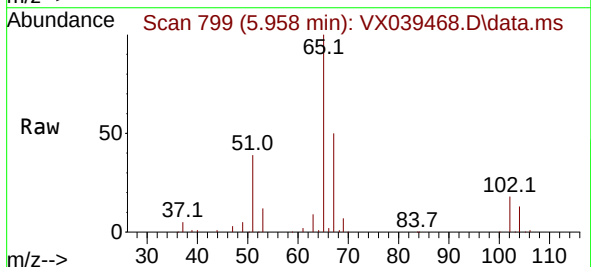
Instrument :
MSVOA_X
ClientSampleId :
E8965C-S-002

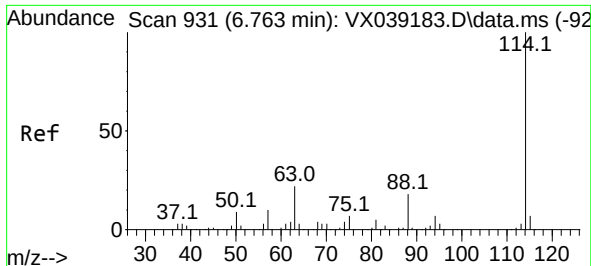
Tgt Ion: 43 Resp: 15202
Ion Ratio Lower Upper
43 100
72 23.3 19.4 29.2



#33
1,2-Dichloroethane-d4
Concen: 46.239 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX039468.D
Acq: 26 Dec 2023 15:27

Tgt Ion: 65 Resp: 80508
Ion Ratio Lower Upper
65 100
67 53.0 0.0 100.2

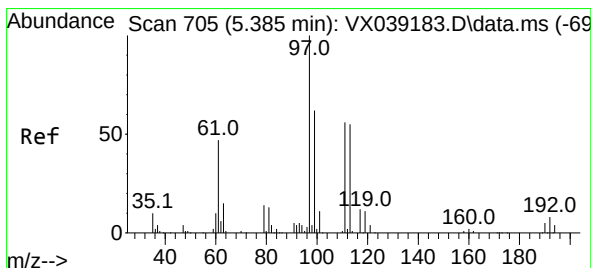
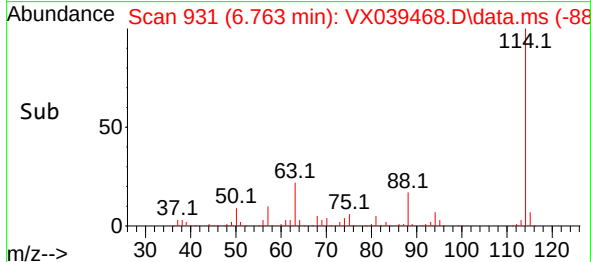
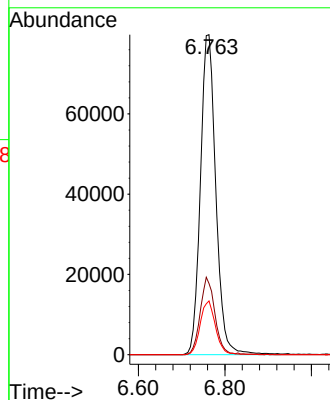
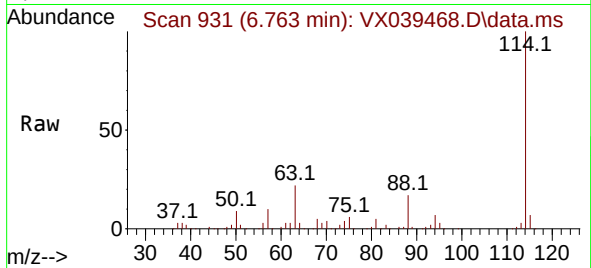




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039468.D
Acq: 26 Dec 2023 15:27

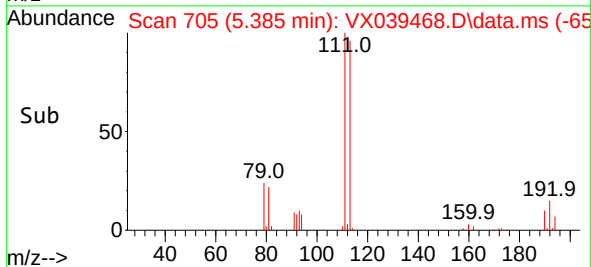
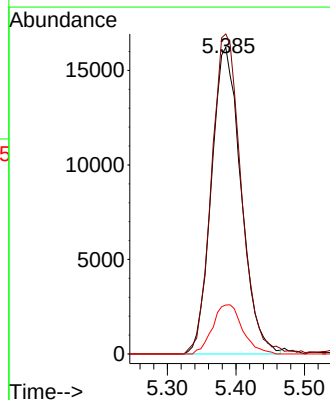
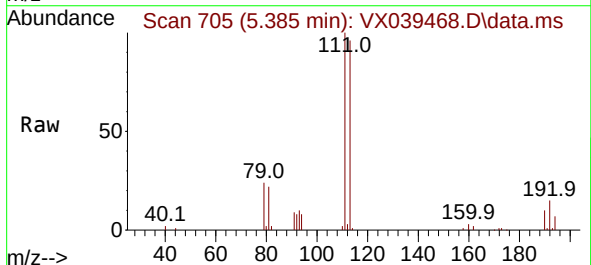
Instrument :
MSVOA_X
ClientSampleId :
E8965C-S-002

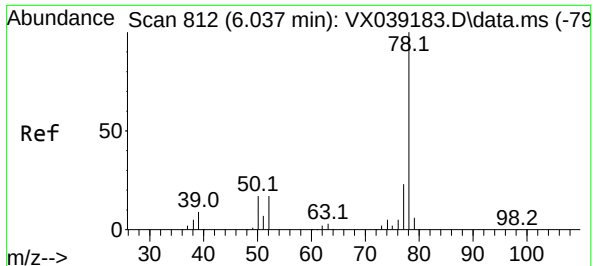
Tgt Ion:114 Resp: 197197
Ion Ratio Lower Upper
114 100
63 22.3 0.0 45.0
88 16.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 35.695 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039468.D
Acq: 26 Dec 2023 15:27

Tgt Ion:113 Resp: 48628
Ion Ratio Lower Upper
113 100
111 104.9 82.9 124.3
192 16.2 13.3 19.9

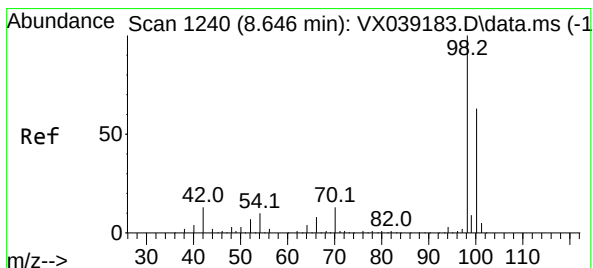
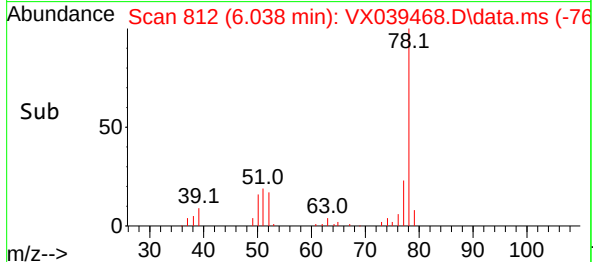
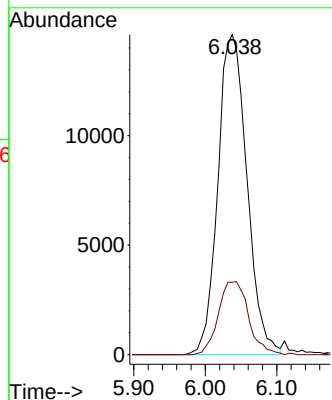
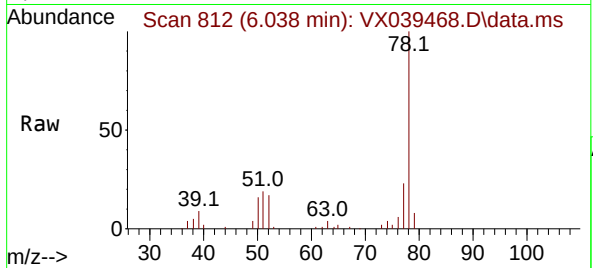




#40
Benzene
Concen: 6.788 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX039468.D
Acq: 26 Dec 2023 15:27

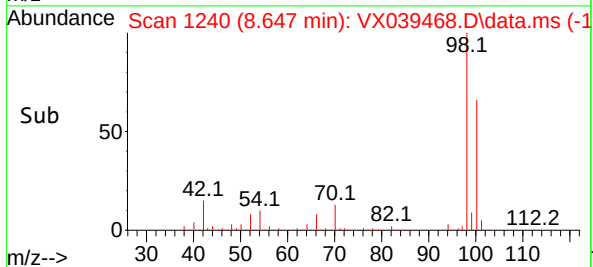
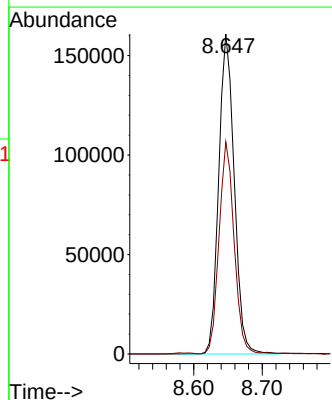
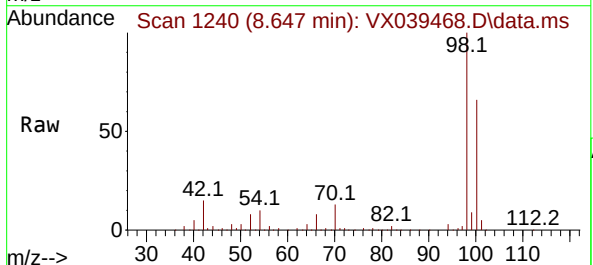
Instrument :
MSVOA_X
ClientSampleId :
E8965C-S-002

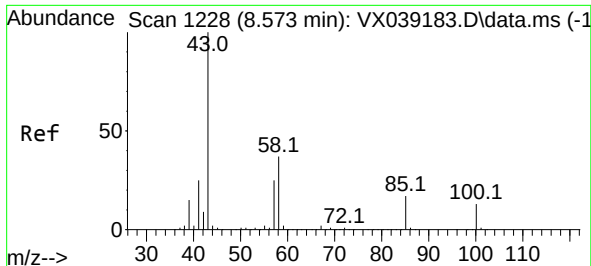
Tgt Ion: 78 Resp: 41277
Ion Ratio Lower Upper
78 100
77 22.7 19.3 28.9



#50
Toluene-d8
Concen: 49.879 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039468.D
Acq: 26 Dec 2023 15:27

Tgt Ion: 98 Resp: 252274
Ion Ratio Lower Upper
98 100
100 64.8 53.1 79.7

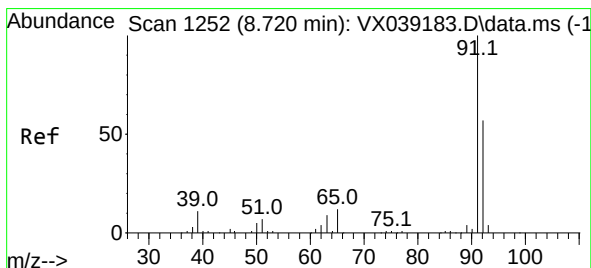
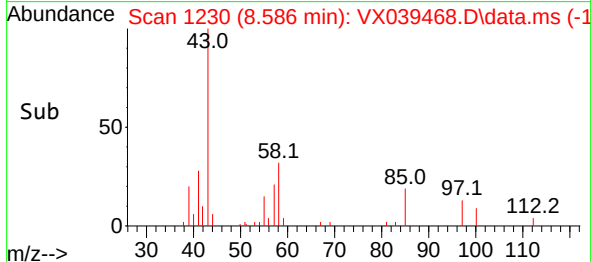
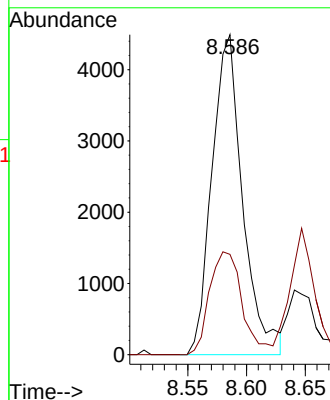
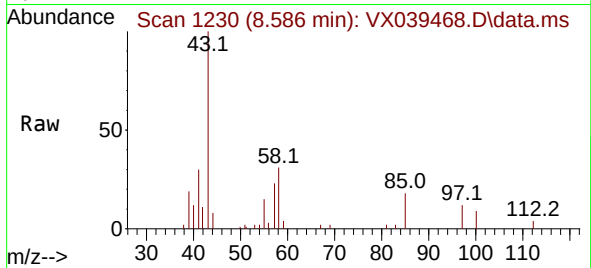




#51
4-Methyl-2-Pentanone
Concen: 2.965 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.013 min
Lab File: VX039468.D
Acq: 26 Dec 2023 15:27

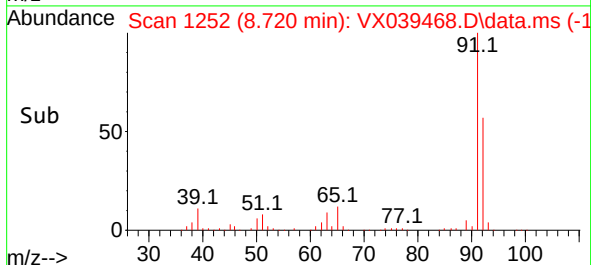
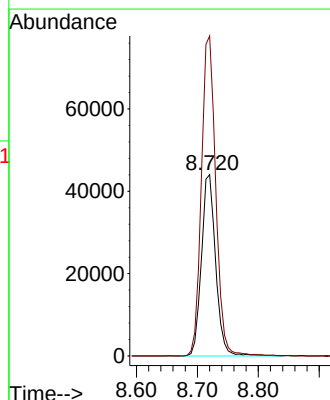
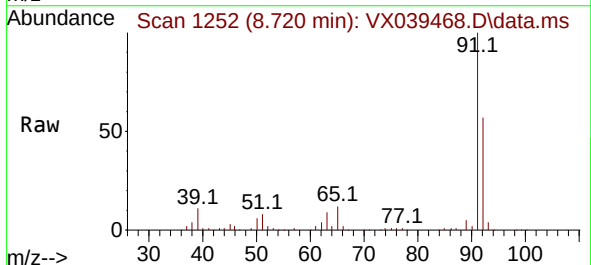
Instrument :
MSVOA_X
ClientSampleId :
E8965C-S-002

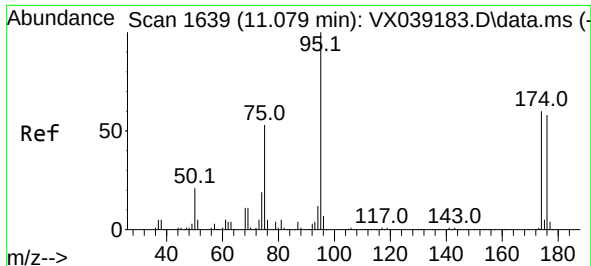
Tgt Ion: 43 Resp: 8158
Ion Ratio Lower Upper
43 100
58 34.4 30.4 45.6



#52
Toluene
Concen: 19.452 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX039468.D
Acq: 26 Dec 2023 15:27

Tgt Ion: 92 Resp: 71397
Ion Ratio Lower Upper
92 100
91 178.5 134.2 201.2





#62

4-Bromofluorobenzene

Concen: 55.125 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039468.D

Acq: 26 Dec 2023 15:27

Instrument :

MSVOA_X

ClientSampleId :

E8965C-S-002

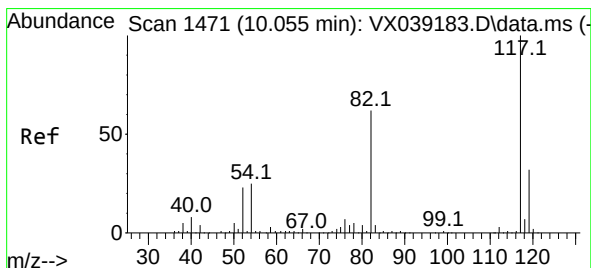
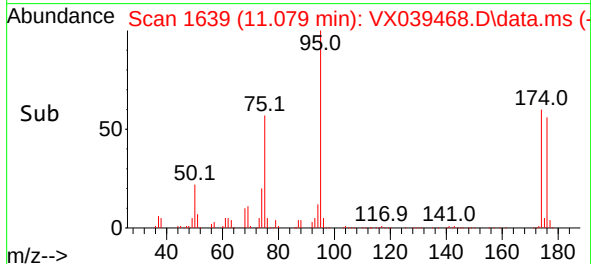
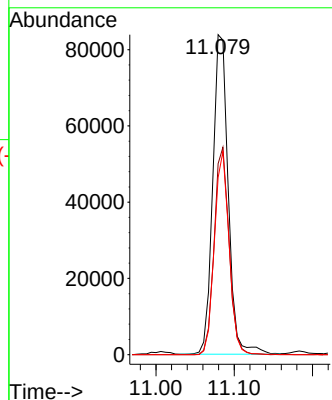
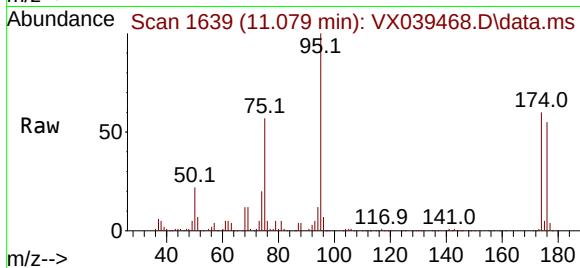
Tgt Ion: 95 Resp: 115035

Ion Ratio Lower Upper

95 100

174 62.3 0.0 135.6

176 60.3 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: VX039468.D

Acq: 26 Dec 2023 15:27

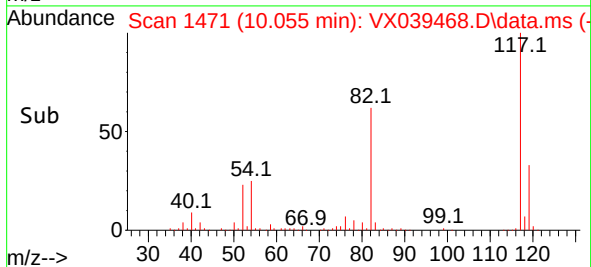
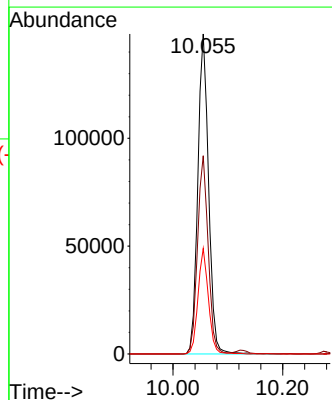
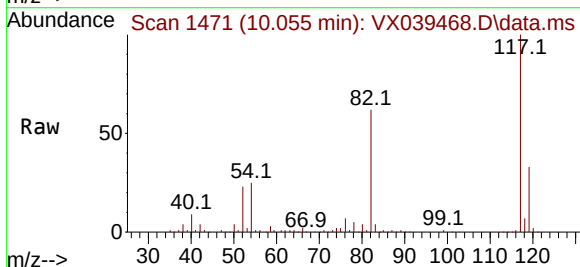
Tgt Ion: 117 Resp: 203182

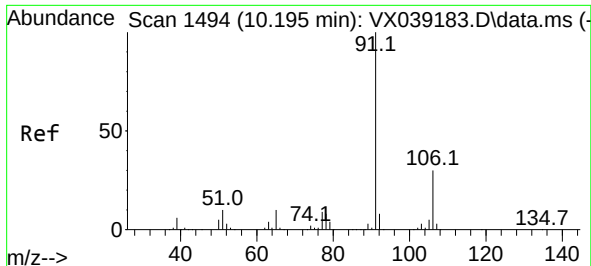
Ion Ratio Lower Upper

117 100

82 62.0 46.2 69.4

119 32.9 25.5 38.3





#67

Ethyl Benzene

Concen: 477.211 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX039468.D

Acq: 26 Dec 2023 15:27

Instrument :

MSVOA_X

ClientSampleId :

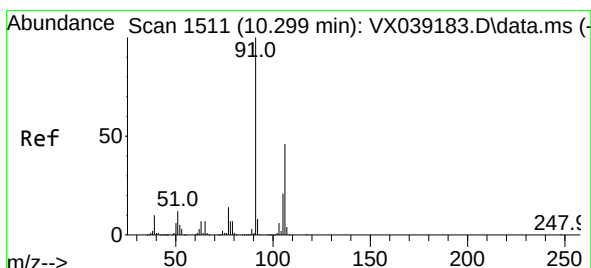
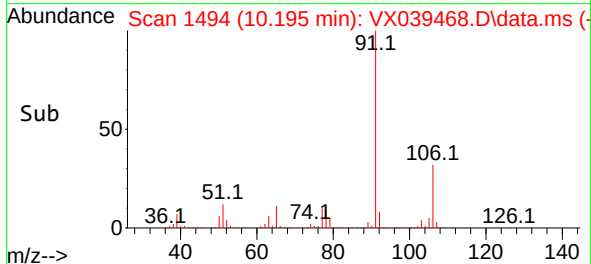
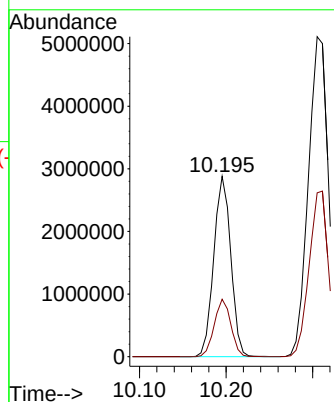
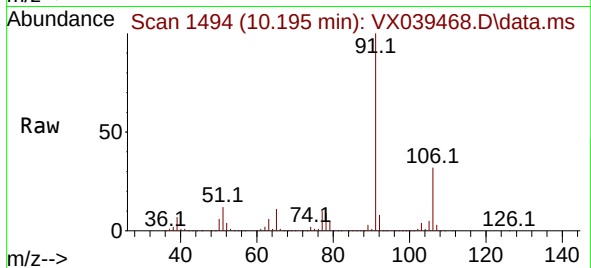
E8965C-S-002

Tgt Ion: 91 Resp: 3939471

Ion Ratio Lower Upper

91 100

106 31.9 24.9 37.3



#68

m/p-Xylenes

Concen: 1356.901 ug/l

RT: 10.311 min Scan# 1513

Delta R.T. 0.013 min

Lab File: VX039468.D

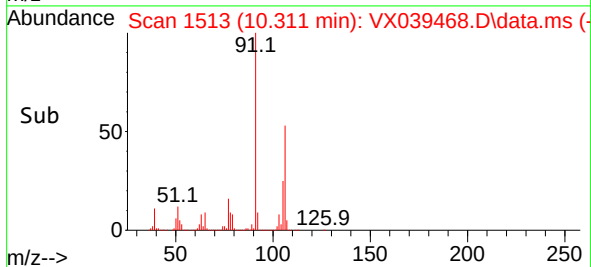
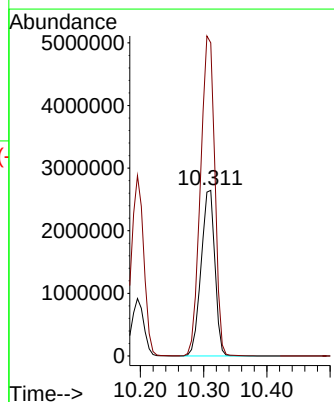
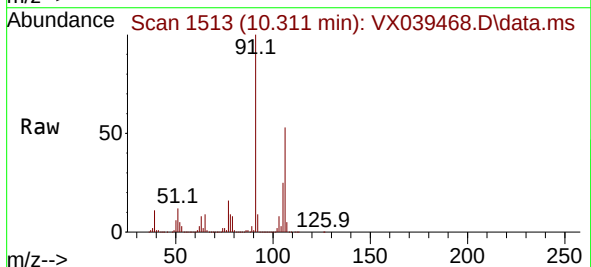
Acq: 26 Dec 2023 15:27

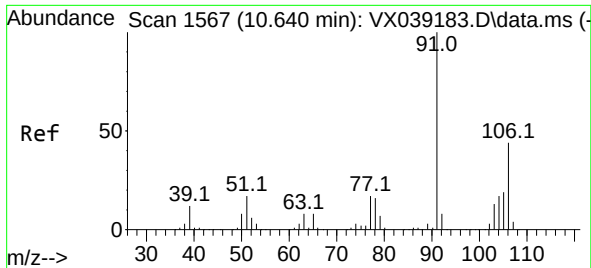
Tgt Ion:106 Resp: 4016244

Ion Ratio Lower Upper

106 100

91 200.5 165.5 248.3

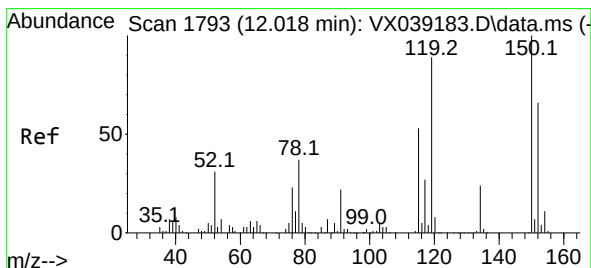
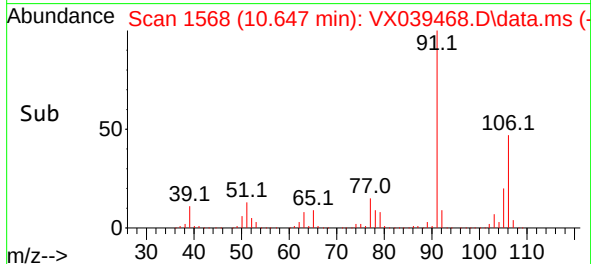
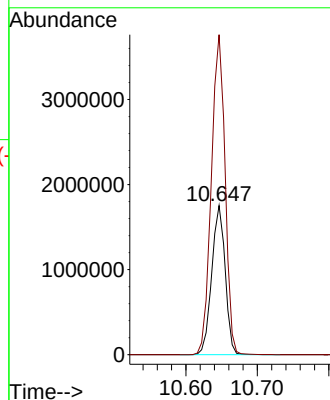
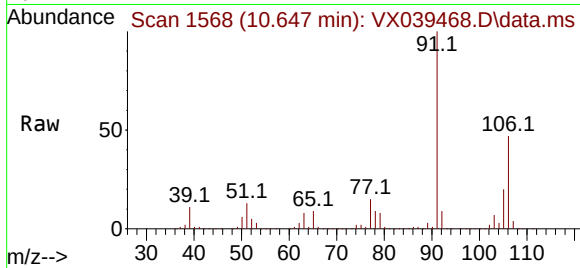




#69
o-Xylene
Concen: 797.867 ug/l
RT: 10.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039468.D
Acq: 26 Dec 2023 15:27

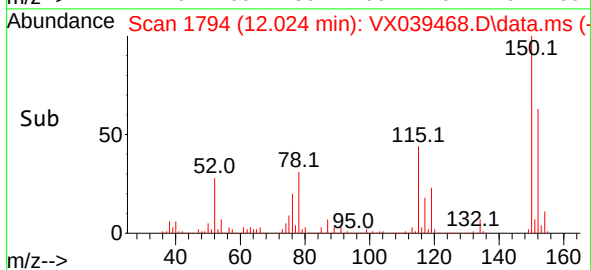
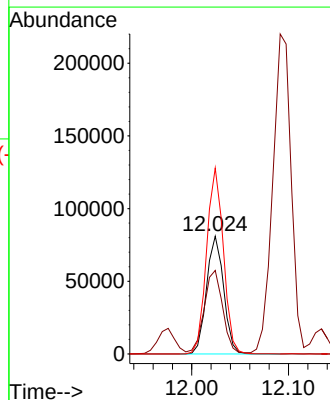
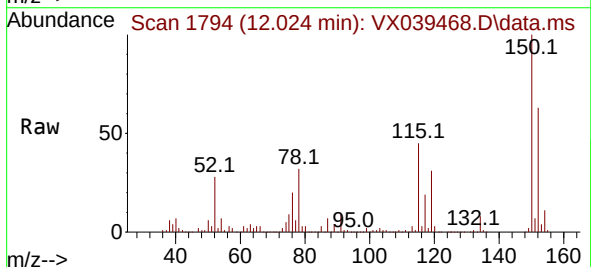
Instrument :
MSVOA_X
ClientSampleId :
E8965C-S-002

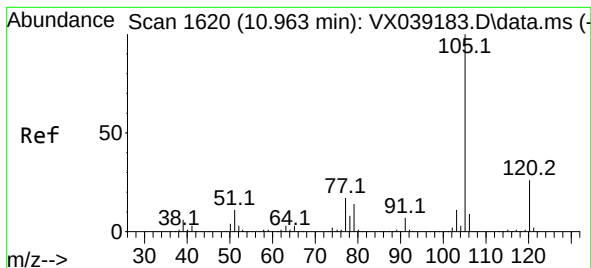
Tgt Ion:106 Resp: 2283326
Ion Ratio Lower Upper
106 100
91 219.9 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039468.D
Acq: 26 Dec 2023 15:27

Tgt Ion:152 Resp: 99798
Ion Ratio Lower Upper
152 100
115 74.1 43.3 129.9
150 155.5 0.0 345.0





#73

Isopropylbenzene

Concen: 243.024 ug/l

RT: 10.964 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039468.D

Acq: 26 Dec 2023 15:27

Instrument :

MSVOA_X

ClientSampleId :

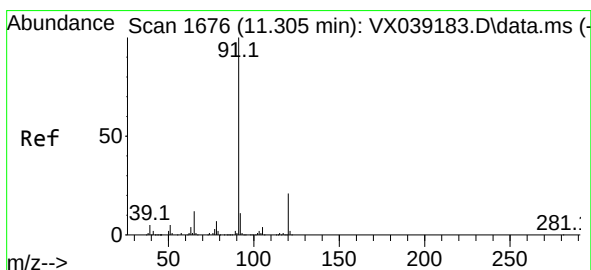
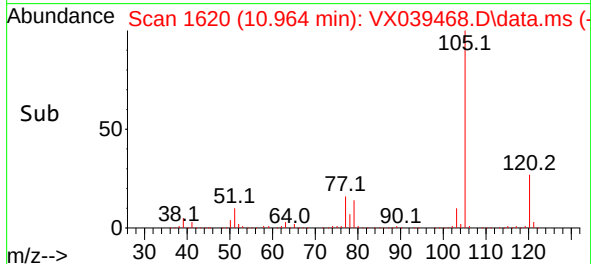
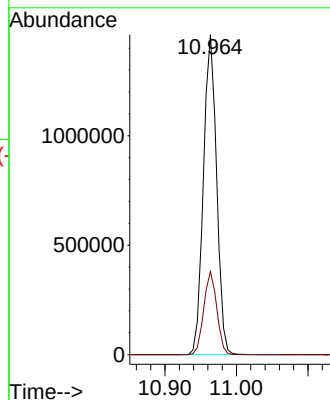
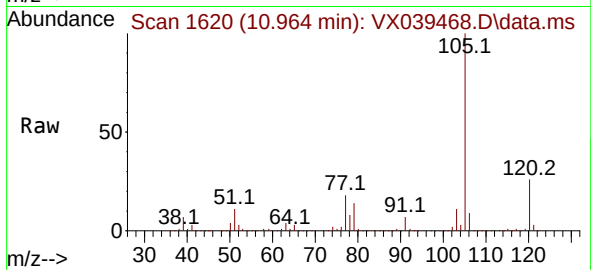
E8965C-S-002

Tgt Ion:105 Resp: 1871239

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.6



#78

n-propylbenzene

Concen: 451.916 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX039468.D

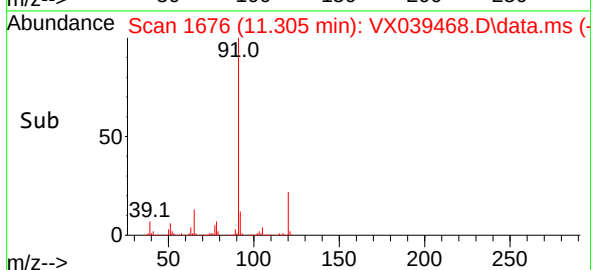
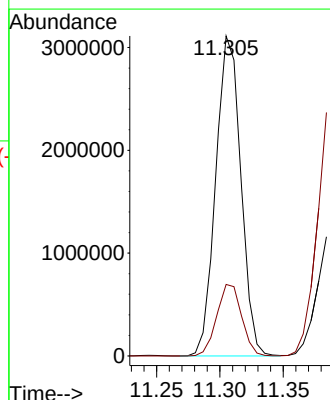
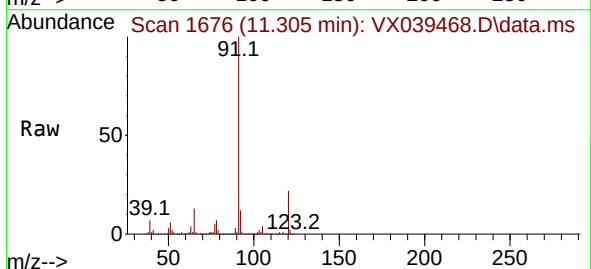
Acq: 26 Dec 2023 15:27

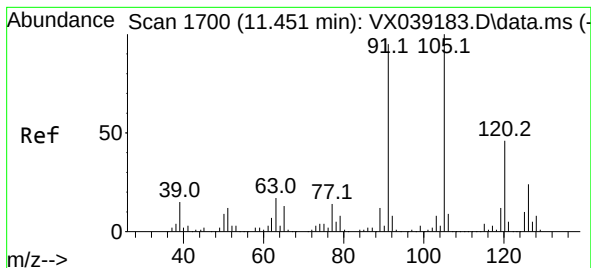
Tgt Ion: 91 Resp: 4287275

Ion Ratio Lower Upper

91 100

120 22.2 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 1048.217 ug/l

RT: 11.463 min Scan# 11

Delta R.T. 0.013 min

Lab File: VX039468.D

Acq: 26 Dec 2023 15:27

Instrument :

MSVOA_X

ClientSampleId :

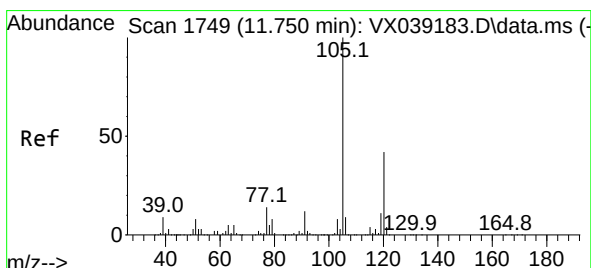
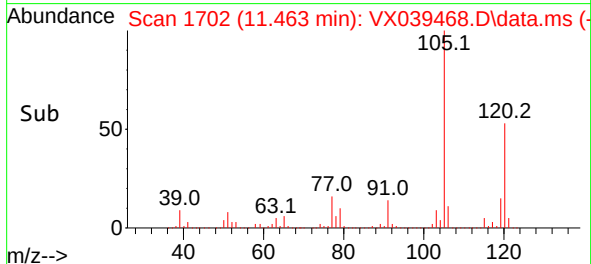
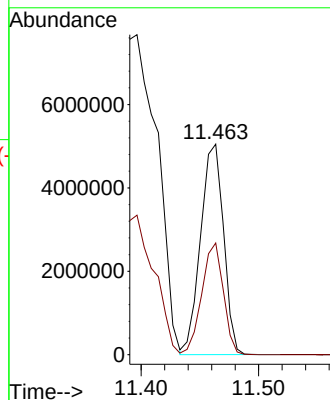
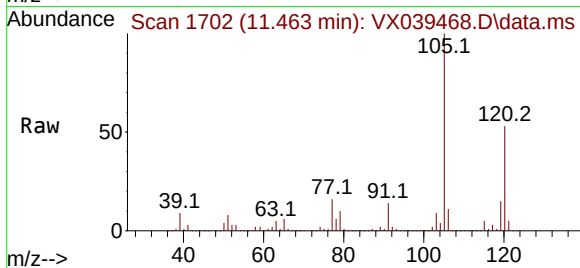
E8965C-S-002

Tgt Ion:105 Resp: 6875709

Ion Ratio Lower Upper

105 100

120 49.7 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 2406.507 ug/l

RT: 11.768 min Scan# 1752

Delta R.T. 0.019 min

Lab File: VX039468.D

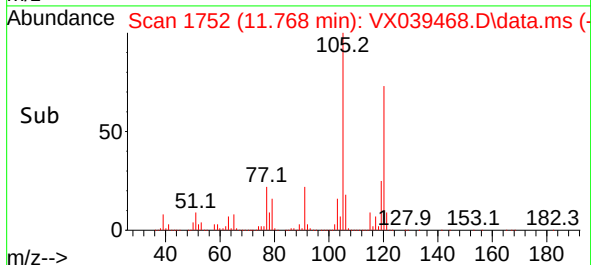
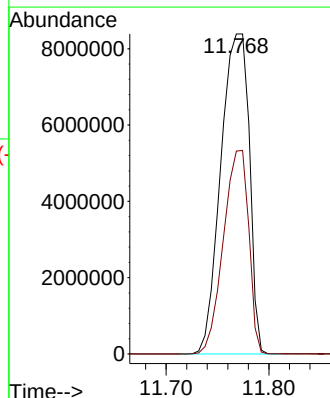
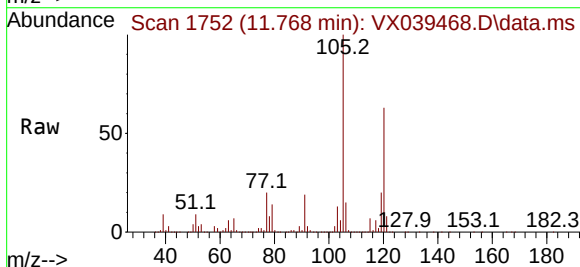
Acq: 26 Dec 2023 15:27

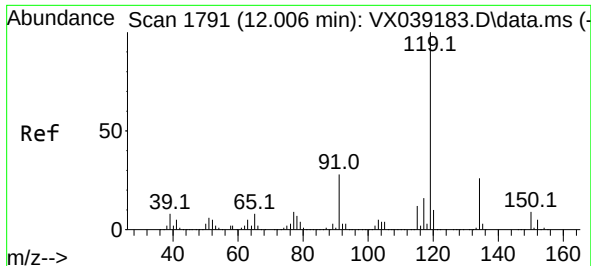
Tgt Ion:105 Resp:16187805

Ion Ratio Lower Upper

105 100

120 56.4 21.2 63.6





#86

p-Isopropyltoluene

Concen: 17.506 ug/l m

RT: 12.012 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039468.D

Acq: 26 Dec 2023 15:27

Instrument :

MSVOA_X

ClientSampleId :

E8965C-S-002

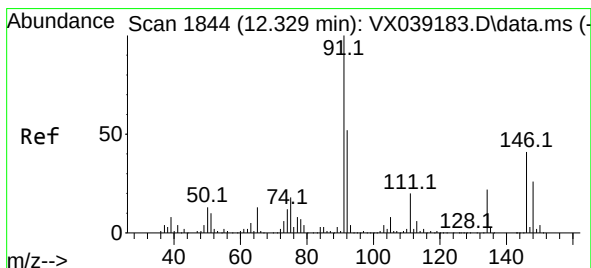
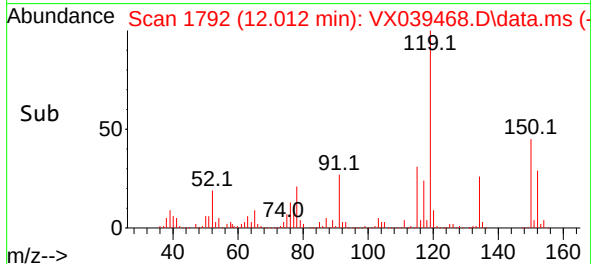
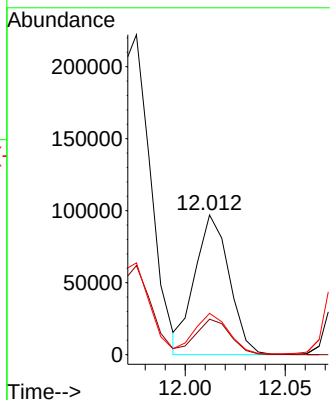
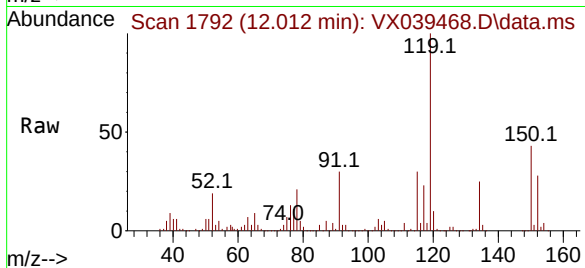
Tgt Ion:119 Resp: 116708

Ion Ratio Lower Upper

119 100

134 0.0 12.8 38.3#

91 0.0 13.1 39.3#



#89

n-Butylbenzene

Concen: 49.301 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.012 min

Lab File: VX039468.D

Acq: 26 Dec 2023 15:27

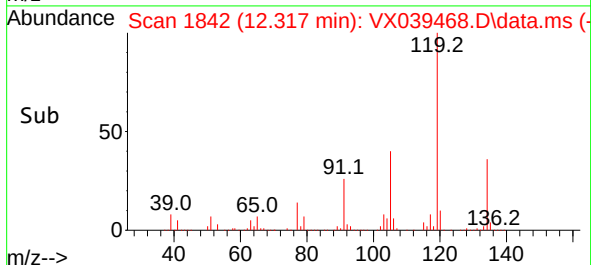
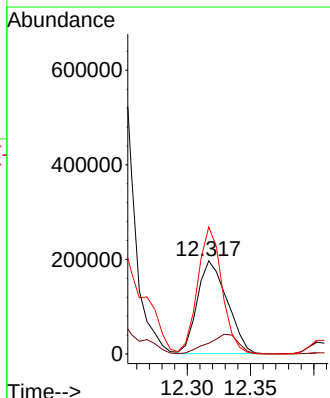
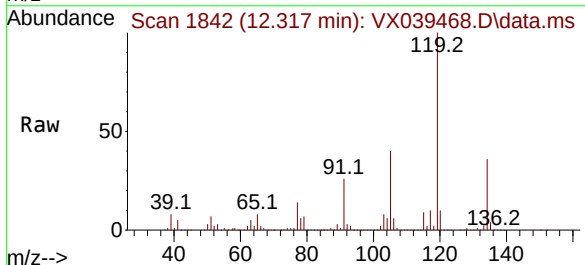
Tgt Ion: 91 Resp: 323095

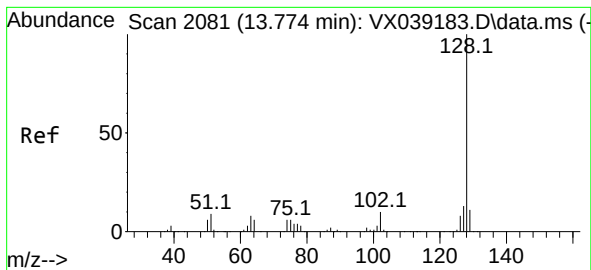
Ion Ratio Lower Upper

91 100

92 21.8 27.4 82.0#

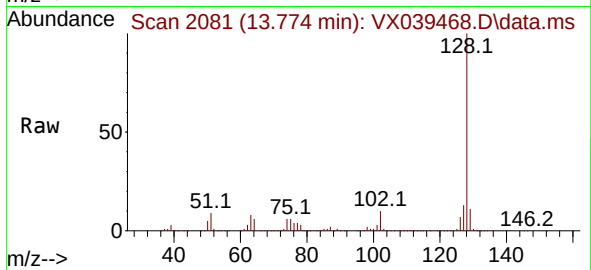
134 111.1 12.6 37.8#





#95
Naphthalene
Concen: 199.976 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX039468.D
Acq: 26 Dec 2023 15:27

Instrument :
MSVOA_X
ClientSampleId :
E8965C-S-002



Tgt Ion:128 Resp: 1459573
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.0 8.8 13.2

