

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030623\
 Data File : VX034349.D
 Acq On : 06 Mar 2023 15:00
 Operator : JC/MD
 Sample : 01816-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-VOC

Quant Time: Mar 07 00:39:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	255896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	430531	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	383920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	169847	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159479	46.275	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.560%
35) Dibromofluoromethane	5.385	113	135456	48.322	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.640%
50) Toluene-d8	8.647	98	517672	51.436	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.880%
62) 4-Bromofluorobenzene	11.079	95	183133	47.571	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.140%

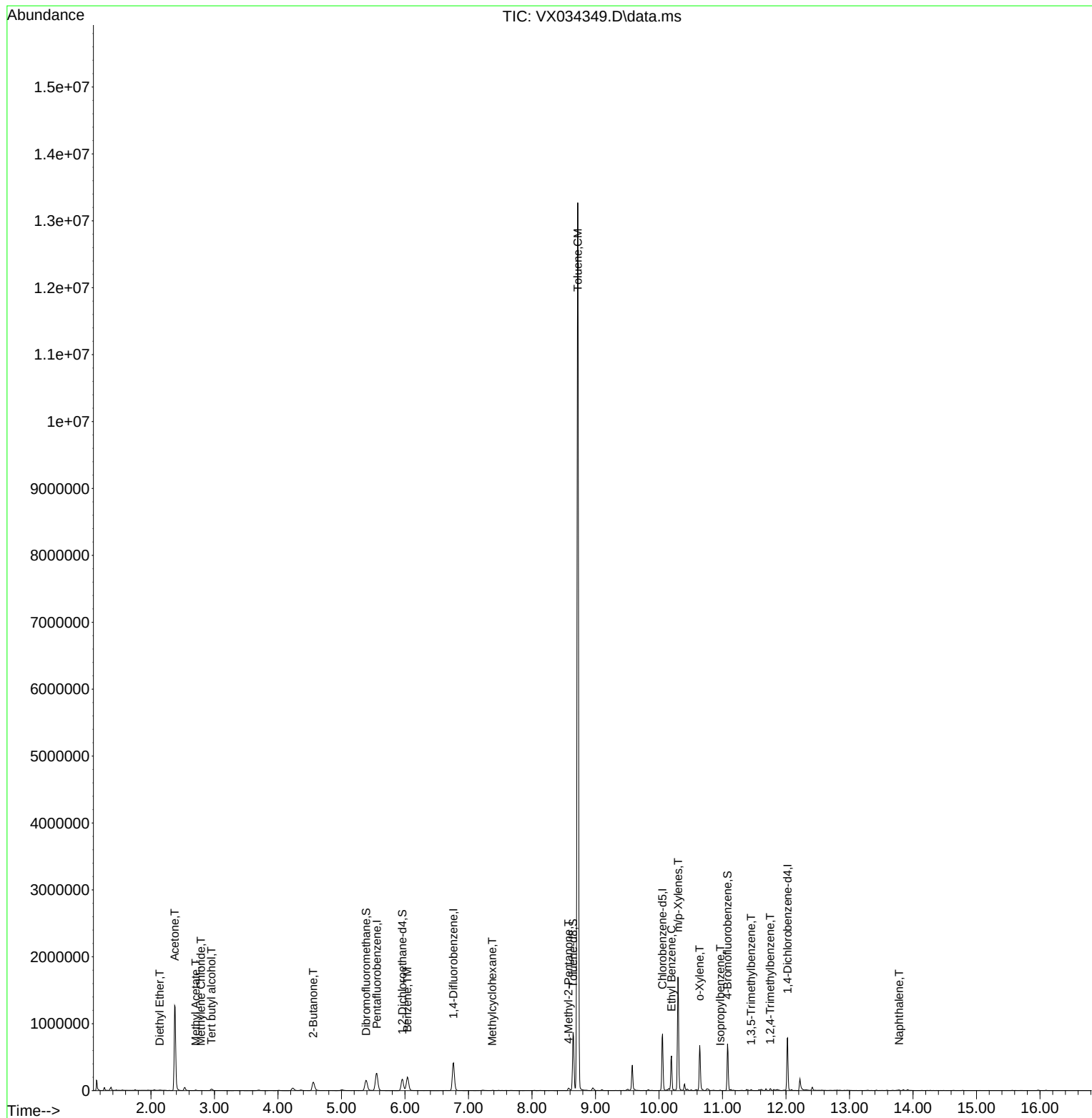
Target Compounds						Qvalue
8) Diethyl Ether	2.136	74	1133	0.717	ug/l	93
11) Tert butyl alcohol	2.953	59	27452	35.614	ug/l #	84
16) Acetone	2.374	43	1344969	756.545	ug/l	93
18) Methyl Acetate	2.703	43	11257	2.046	ug/l	94
20) Methylene Chloride	2.788	84	768	0.240	ug/l #	95
25) 2-Butanone	4.556	43	228582	88.863	ug/l	99
39) Methylcyclohexane	7.373	83	2151	0.403	ug/l	98
40) Benzene	6.038	78	242852	19.768	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	23279	5.175	ug/l	97
52) Toluene	8.720	92	5089233	683.662	ug/l	91
67) Ethyl Benzene	10.195	91	293163	20.391	ug/l	99
68) m/p-Xylenes	10.299	106	378337	68.763	ug/l	95
69) o-Xylene	10.640	106	137945	25.184	ug/l	96
73) Isopropylbenzene	10.964	105	3391	0.262	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	5478	0.503	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	12288	1.117	ug/l	89
95) Naphthalene	13.780	128	4721	0.382	ug/l #	93

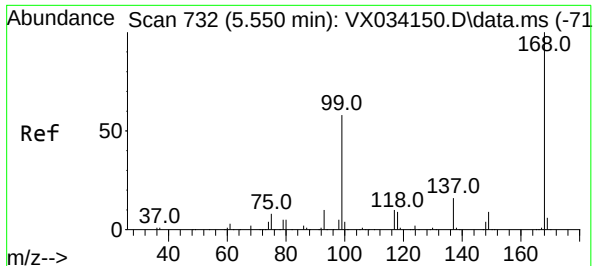
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 07 00:39:06 2023
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Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration

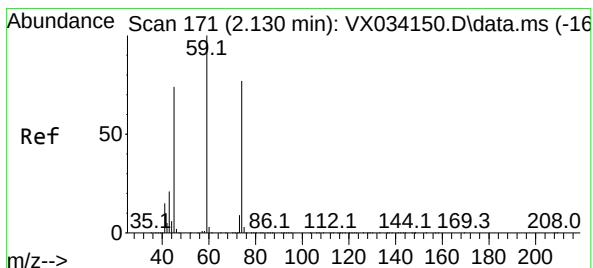
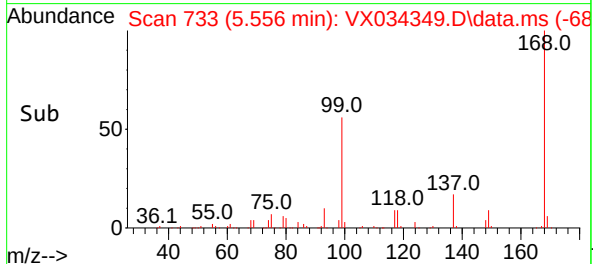
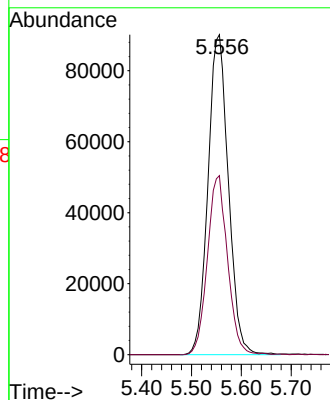
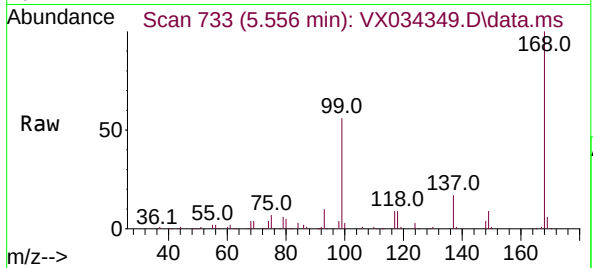




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034349.D
Acq: 06 Mar 2023 15:00

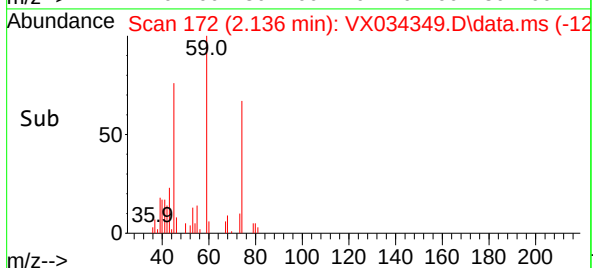
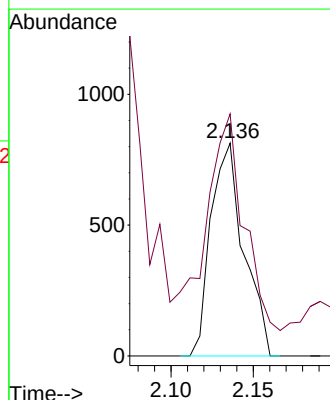
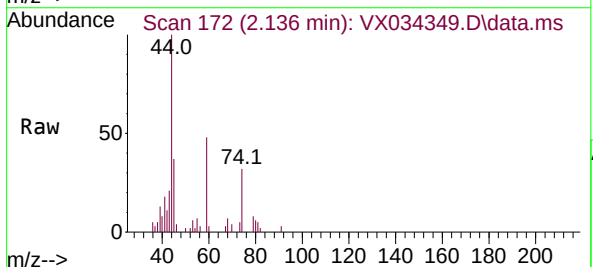
Instrument :
MSVOA_X
ClientSampleId :
COMP-VOC

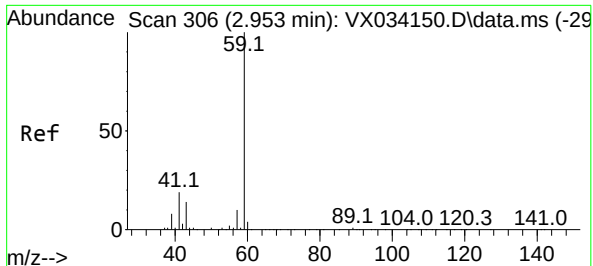
Tgt Ion:168 Resp: 255896
Ion Ratio Lower Upper
168 100
99 56.0 39.6 59.4



#8
Diethyl Ether
Concen: 0.717 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX034349.D
Acq: 06 Mar 2023 15:00

Tgt Ion: 74 Resp: 1133
Ion Ratio Lower Upper
74 100
45 110.5 51.5 154.5





#11

Tert butyl alcohol

Concen: 35.614 ug/l

RT: 2.953 min Scan# 306

Delta R.T. 0.000 min

Lab File: VX034349.D

Acq: 06 Mar 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

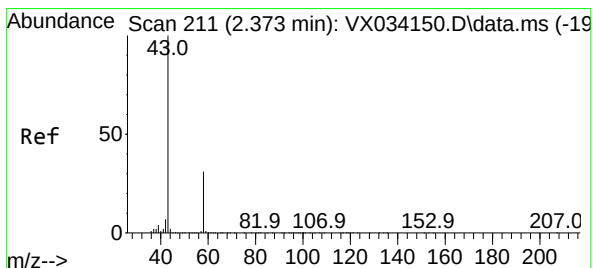
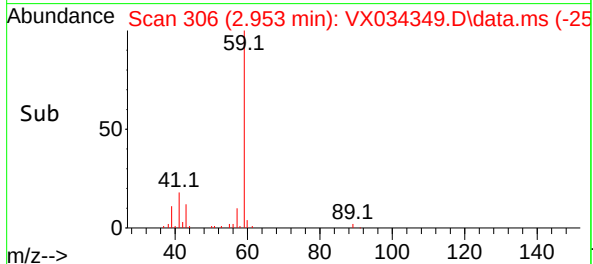
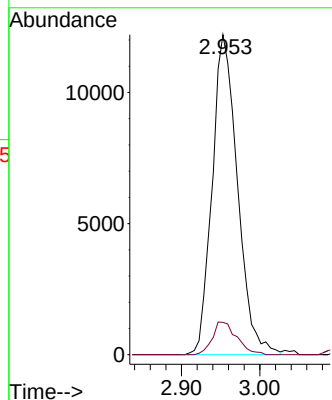
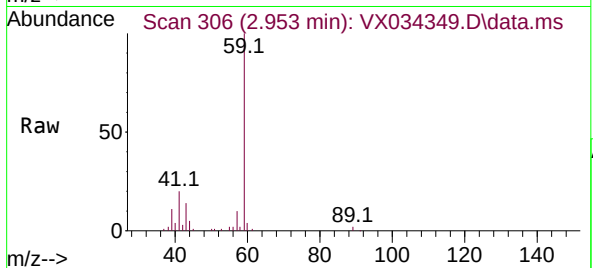
COMP-VOC

Tgt Ion: 59 Resp: 27452

Ion Ratio Lower Upper

59 100

57 9.8 3.7 5.5#



#16

Acetone

Concen: 756.545 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX034349.D

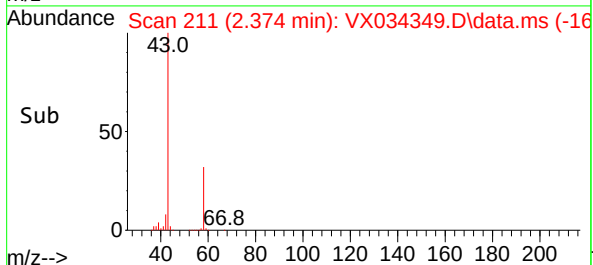
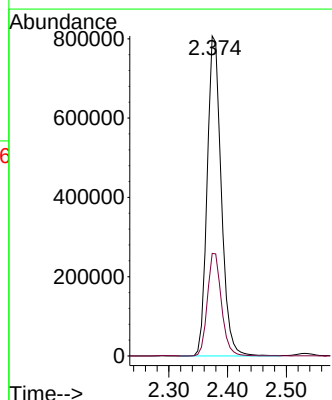
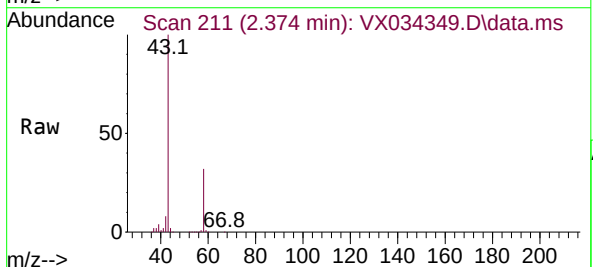
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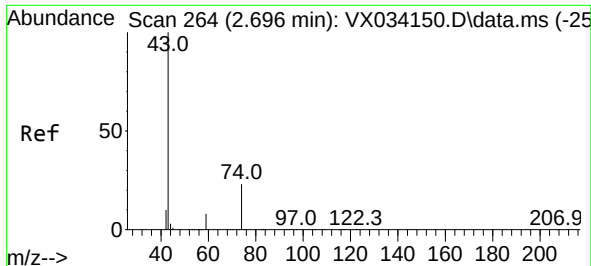
Tgt Ion: 43 Resp: 1344969

Ion Ratio Lower Upper

43 100

58 32.0 22.6 33.8

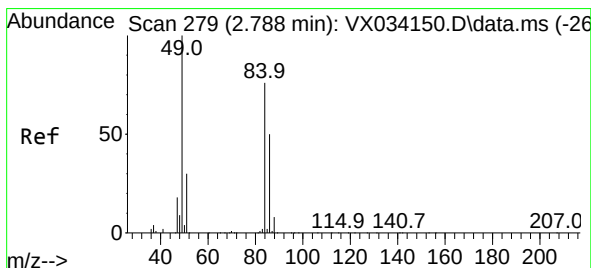
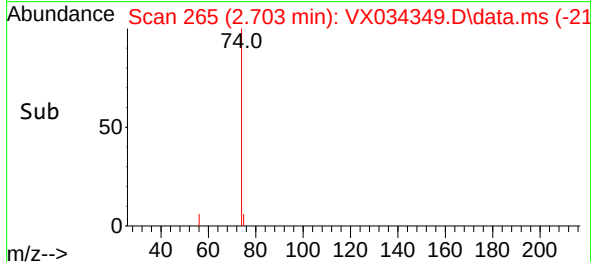
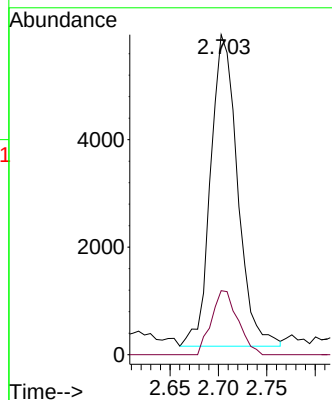
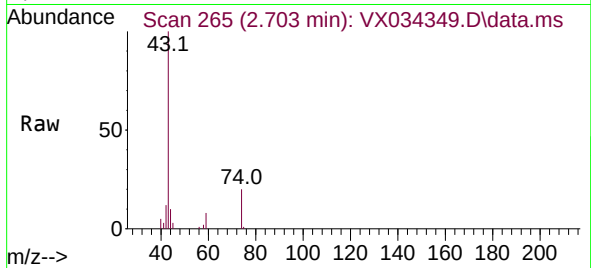




#18
Methyl Acetate
Concen: 2.046 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX034349.D
Acq: 06 Mar 2023 15:00

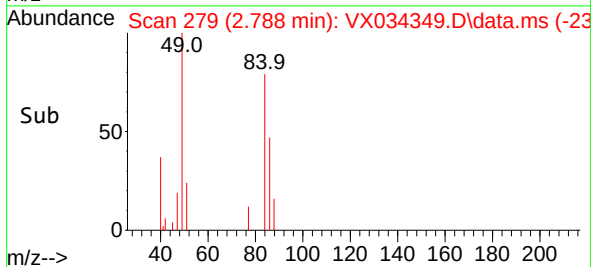
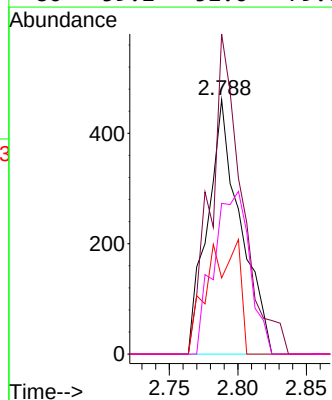
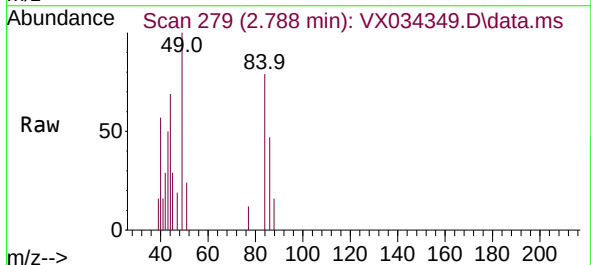
Instrument :
MSVOA_X
ClientSampleId :
COMP-VOC

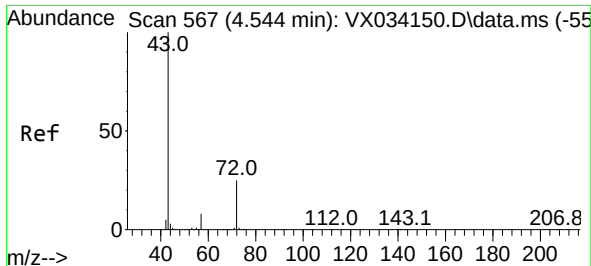
Tgt Ion: 43 Resp: 11257
Ion Ratio Lower Upper
43 100
74 20.0 18.2 27.4



#20
Methylene Chloride
Concen: 0.240 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX034349.D
Acq: 06 Mar 2023 15:00

Tgt Ion: 84 Resp: 768
Ion Ratio Lower Upper
84 100
49 125.8 101.1 151.7
51 29.9 31.0 46.6#
86 59.2 52.6 79.0

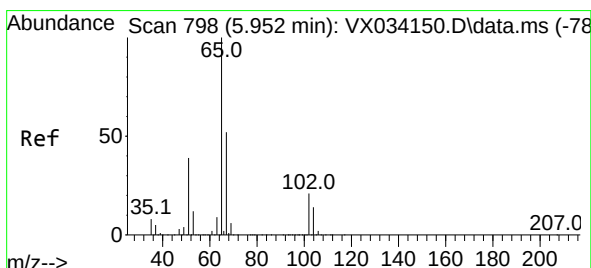
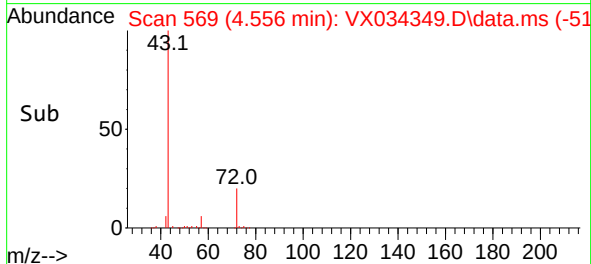
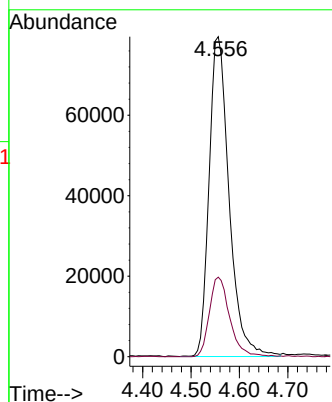
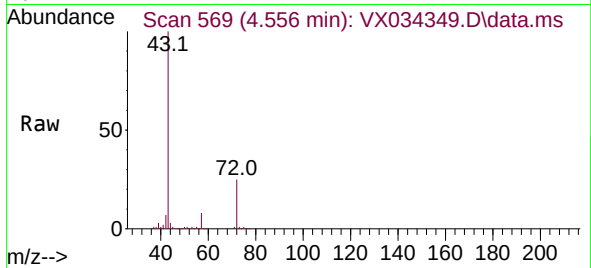




#25
2-Butanone
Concen: 88.863 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.012 min
Lab File: VX034349.D
Acq: 06 Mar 2023 15:00

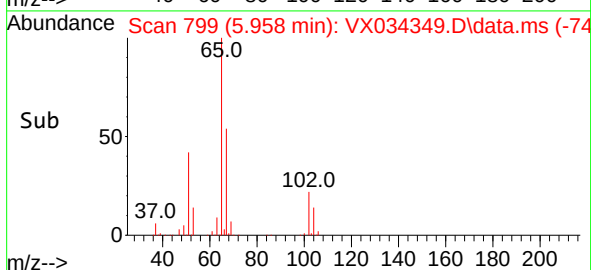
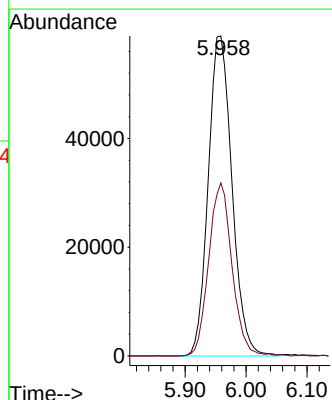
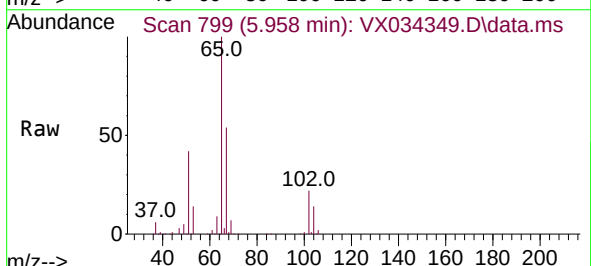
Instrument :
MSVOA_X
ClientSampleId :
COMP-VOC

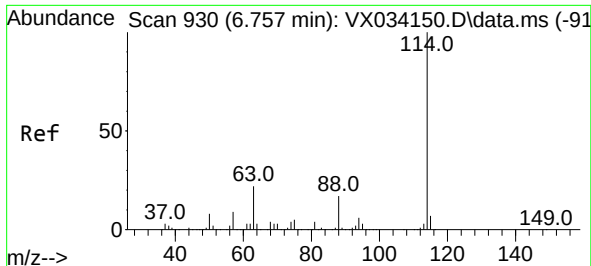
Tgt Ion: 43 Resp: 228582
Ion Ratio Lower Upper
43 100
72 24.9 19.4 29.2



#33
1,2-Dichloroethane-d4
Concen: 46.275 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX034349.D
Acq: 06 Mar 2023 15:00

Tgt Ion: 65 Resp: 159479
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX034349.D

Acq: 06 Mar 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

COMP-VOC

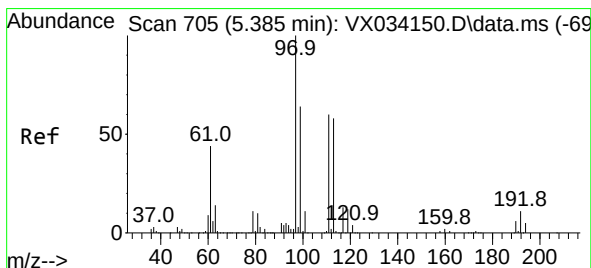
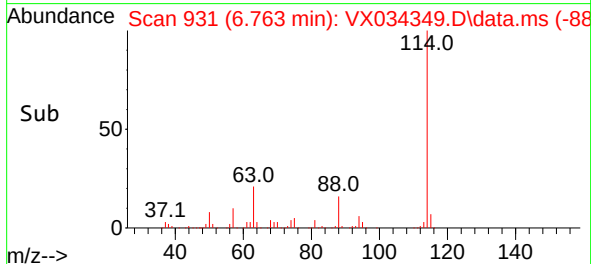
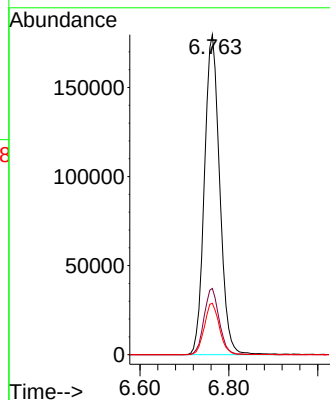
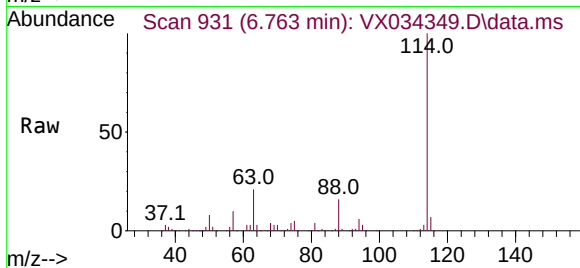
Tgt Ion:114 Resp: 430531

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

88 16.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.322 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX034349.D

Acq: 06 Mar 2023 15:00

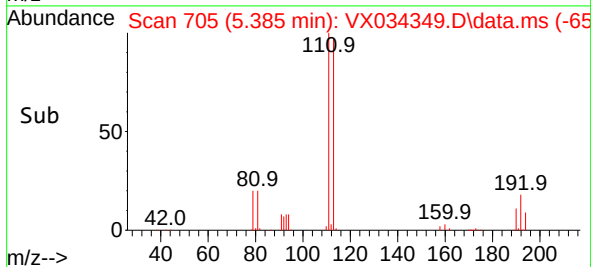
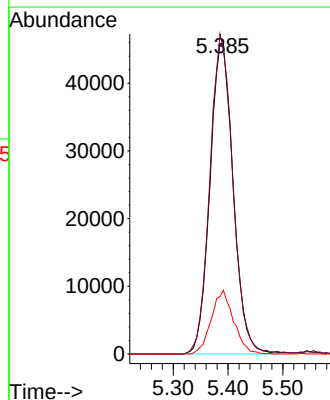
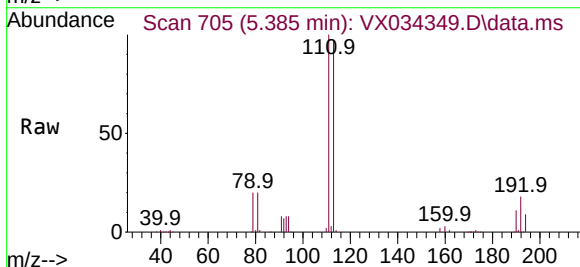
Tgt Ion:113 Resp: 135456

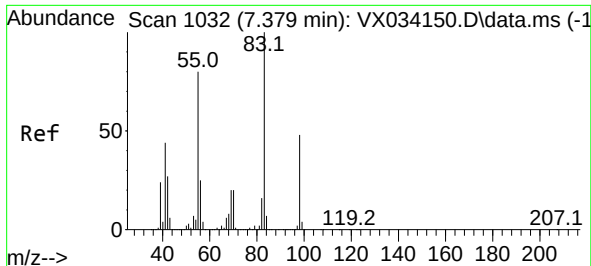
Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.6

192 19.6 19.0 28.4





#39

Methylcyclohexane

Concen: 0.403 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VX034349.D

Acq: 06 Mar 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

COMP-VOC

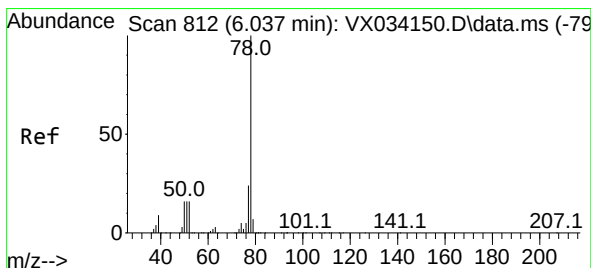
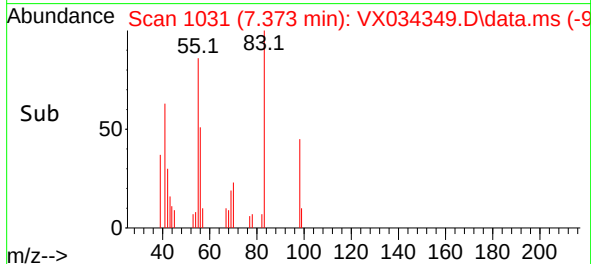
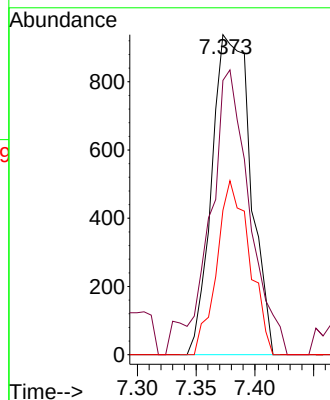
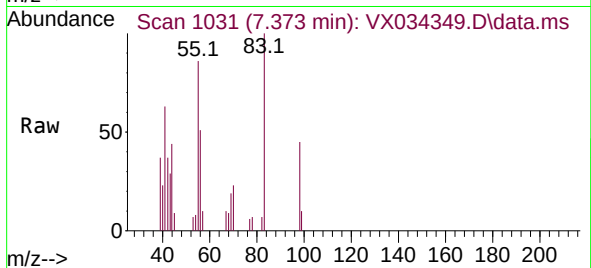
Tgt Ion: 83 Resp: 2151

Ion Ratio Lower Upper

83 100

55 77.0 61.8 92.6

98 45.1 39.3 58.9



#40

Benzene

Concen: 19.768 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX034349.D

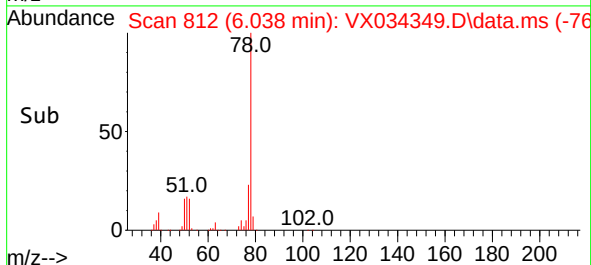
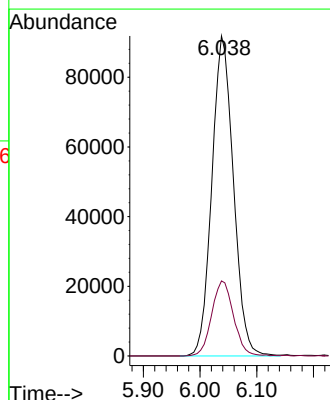
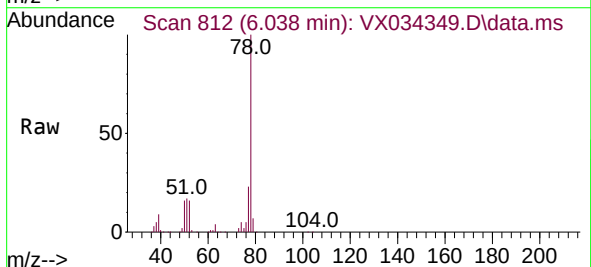
Acq: 06 Mar 2023 15:00

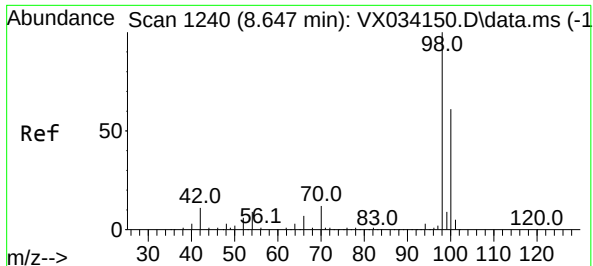
Tgt Ion: 78 Resp: 242852

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.4

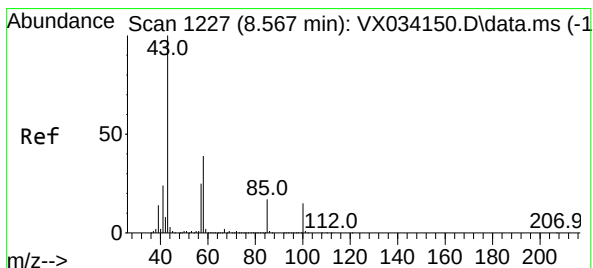
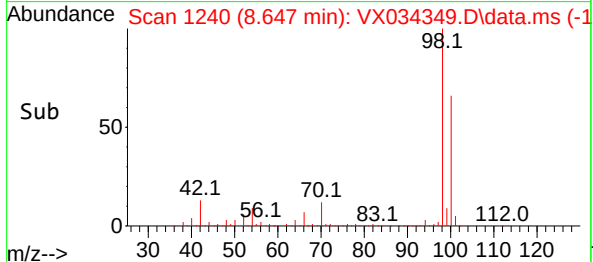
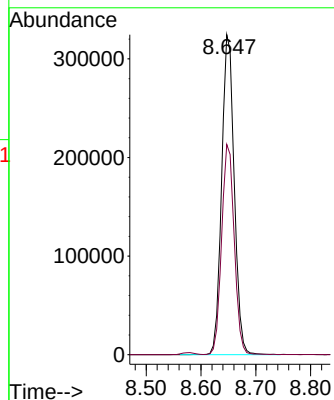
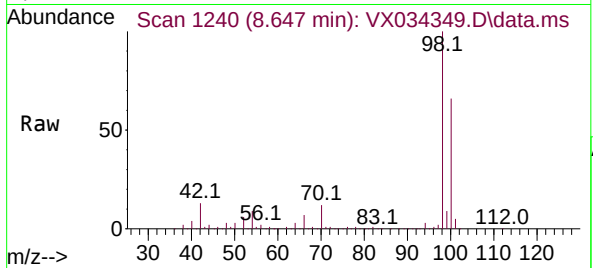




#50
Toluene-d8
Concen: 51.436 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034349.D
Acq: 06 Mar 2023 15:00

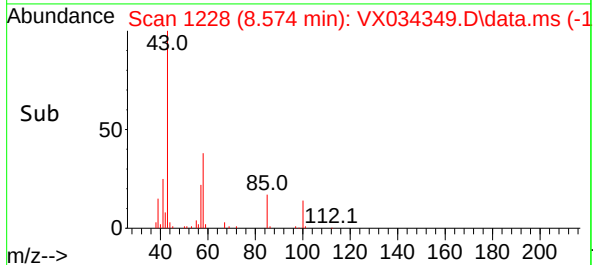
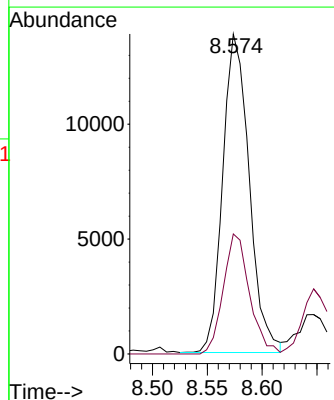
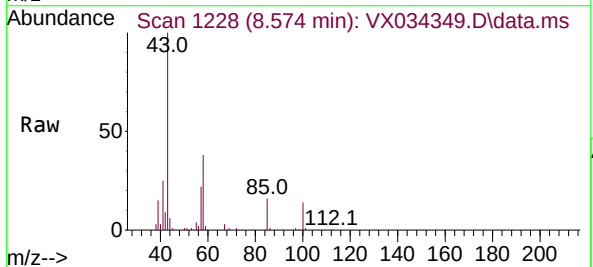
Instrument :
MSVOA_X
ClientSampleId :
COMP-VOC

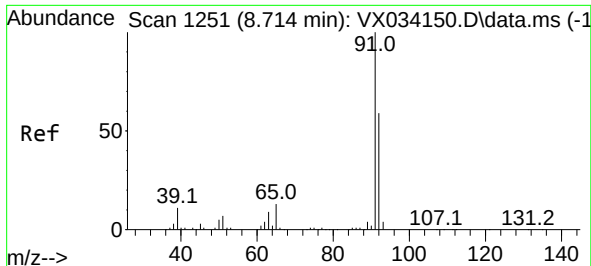
Tgt Ion: 98 Resp: 517672
Ion Ratio Lower Upper
98 100
100 65.9 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 5.175 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.006 min
Lab File: VX034349.D
Acq: 06 Mar 2023 15:00

Tgt Ion: 43 Resp: 23279
Ion Ratio Lower Upper
43 100
58 37.2 31.2 46.8

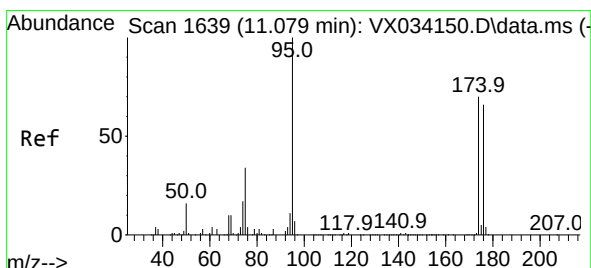
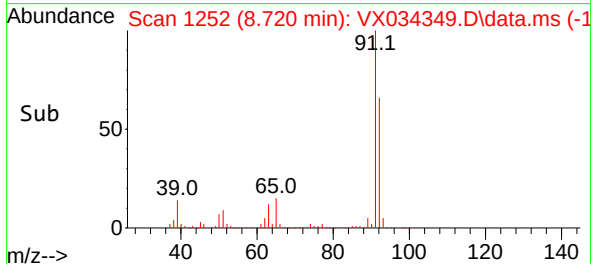
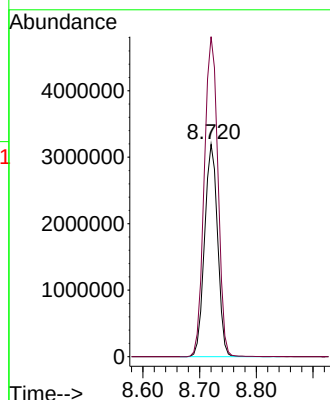
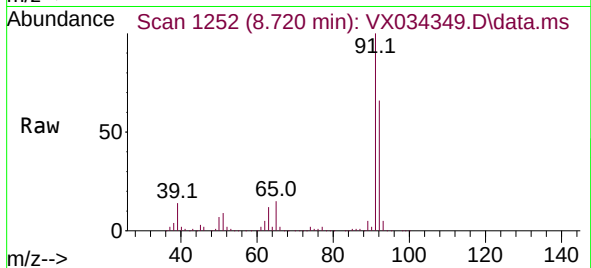




#52
Toluene
Concen: 683.662 ug/l
RT: 8.720 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VX034349.D
Acq: 06 Mar 2023 15:00

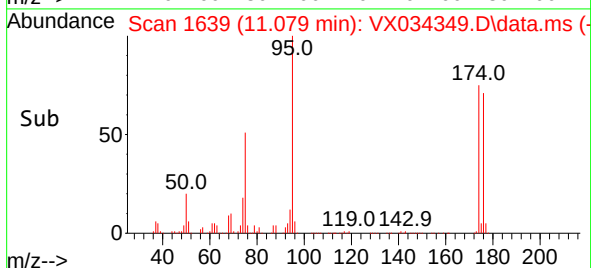
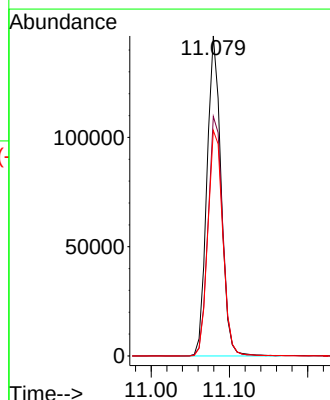
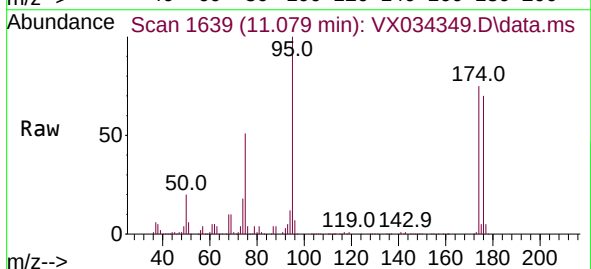
Instrument :
MSVOA_X
ClientSampleId :
COMP-VOC

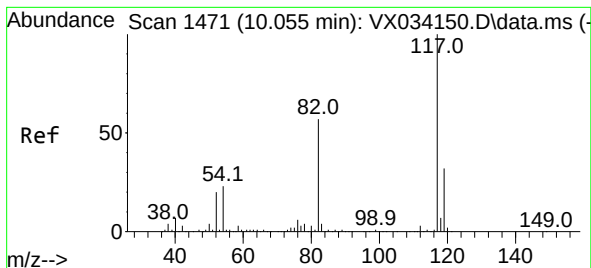
Tgt Ion: 92 Resp: 5089233
Ion Ratio Lower Upper
92 100
91 157.7 135.5 203.3



#62
4-Bromofluorobenzene
Concen: 47.571 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034349.D
Acq: 06 Mar 2023 15:00

Tgt Ion: 95 Resp: 183133
Ion Ratio Lower Upper
95 100
174 78.0 0.0 184.4
176 74.3 0.0 178.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX034349.D

Acq: 06 Mar 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

COMP-VOC

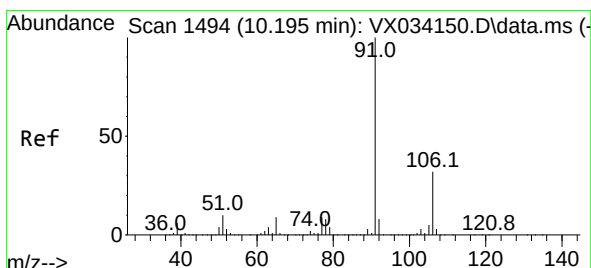
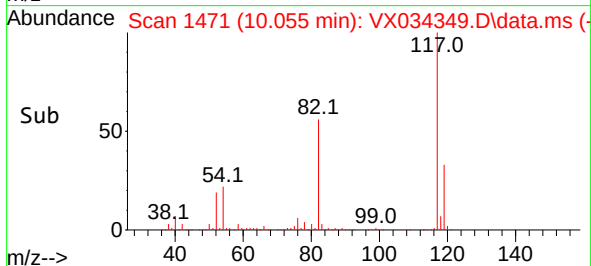
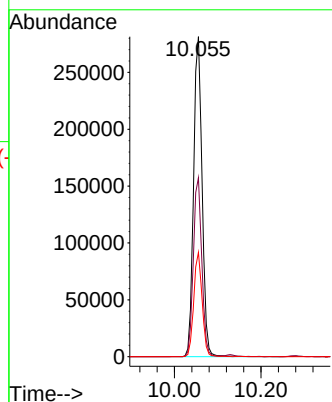
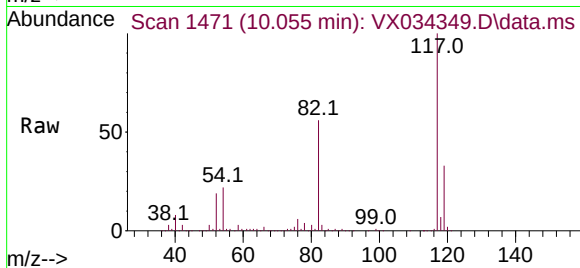
Tgt Ion:117 Resp: 383920

Ion Ratio Lower Upper

117 100

82 55.9 40.6 60.8

119 32.6 25.6 38.4



#67

Ethyl Benzene

Concen: 20.391 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX034349.D

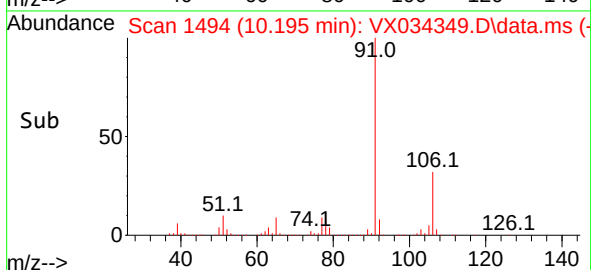
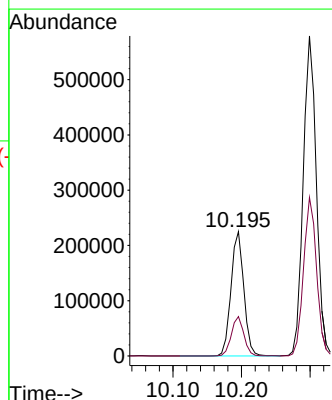
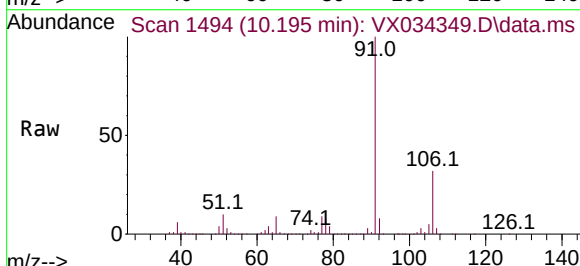
Acq: 06 Mar 2023 15:00

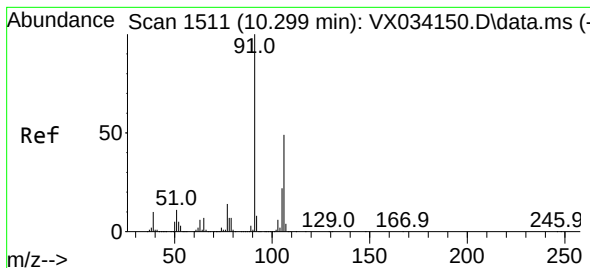
Tgt Ion: 91 Resp: 293163

Ion Ratio Lower Upper

91 100

106 31.7 25.8 38.8

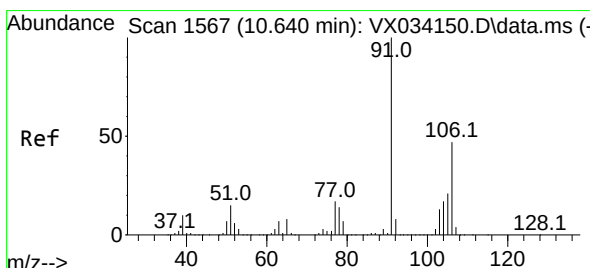
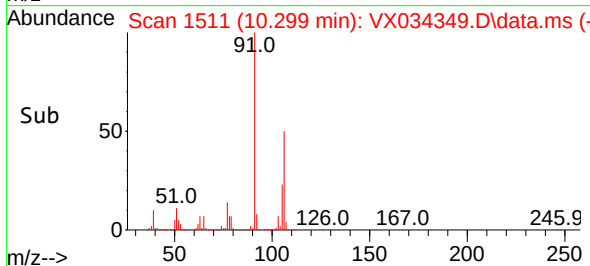
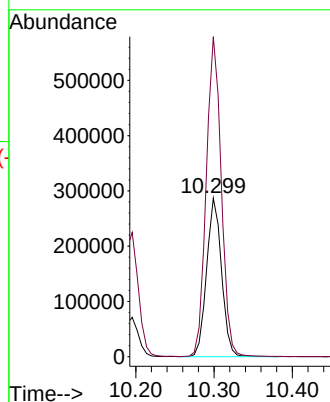
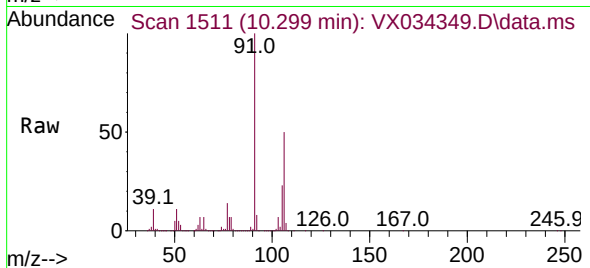




#68
m/p-Xylenes
Concen: 68.763 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX034349.D
Acq: 06 Mar 2023 15:00

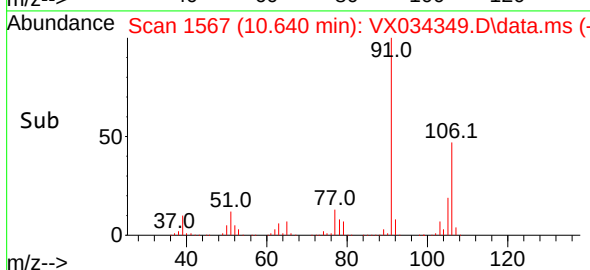
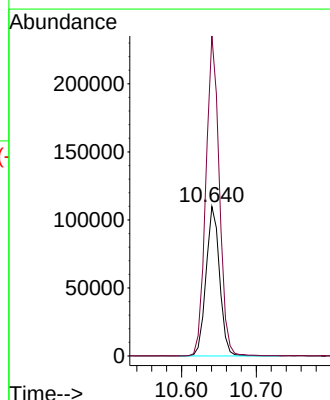
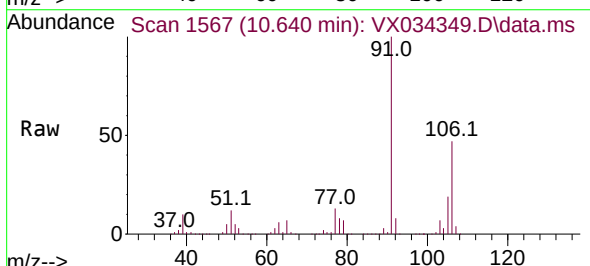
Instrument :
MSVOA_X
ClientSampleId :
COMP-VOC

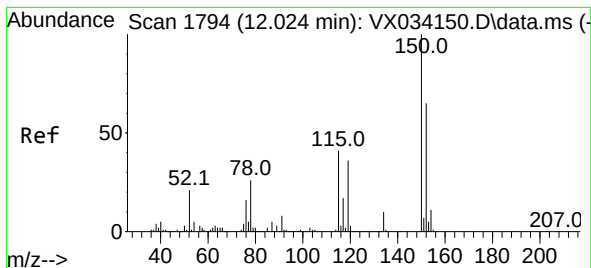
Tgt Ion:106 Resp: 378337
Ion Ratio Lower Upper
106 100
91 203.3 156.4 234.6



#69
o-Xylene
Concen: 25.184 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX034349.D
Acq: 06 Mar 2023 15:00

Tgt Ion:106 Resp: 137945
Ion Ratio Lower Upper
106 100
91 211.9 103.1 309.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034349.D

Acq: 06 Mar 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

COMP-VOC

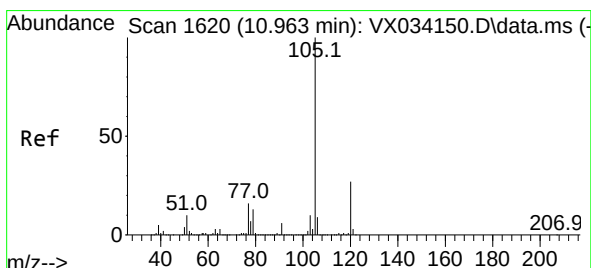
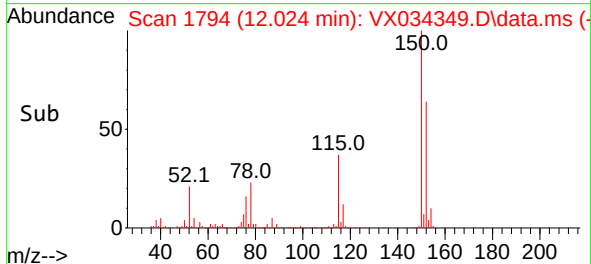
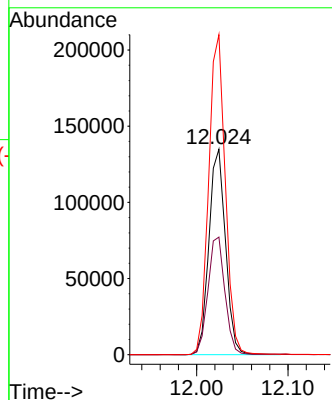
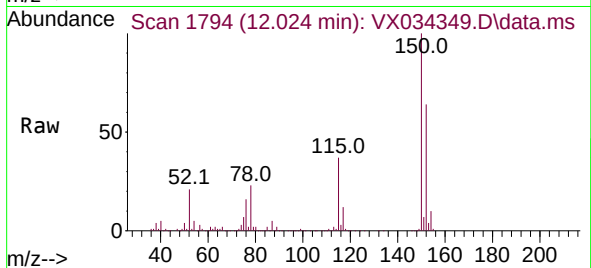
Tgt Ion:152 Resp: 169847

Ion Ratio Lower Upper

152 100

115 58.5 38.7 116.1

150 156.0 0.0 348.2



#73

Isopropylbenzene

Concen: 0.262 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX034349.D

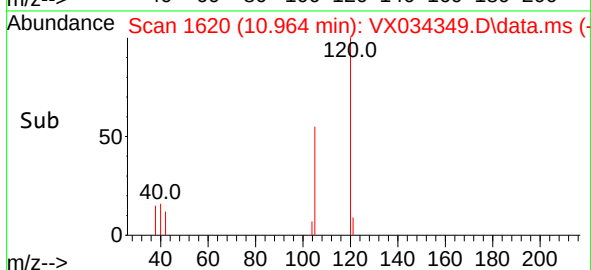
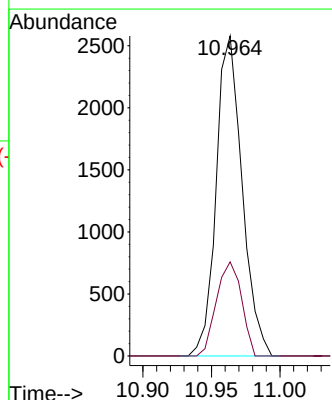
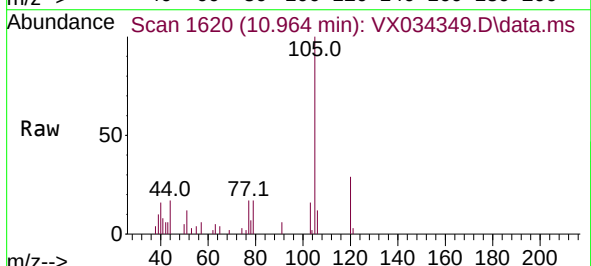
Acq: 06 Mar 2023 15:00

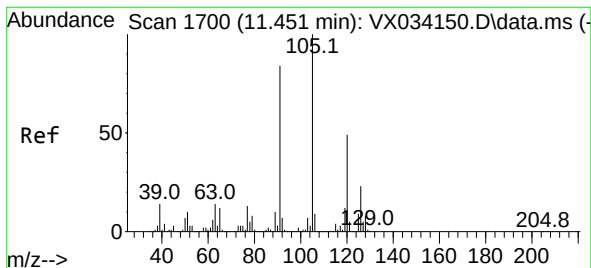
Tgt Ion:105 Resp: 3391

Ion Ratio Lower Upper

105 100

120 28.4 13.6 40.8





#80

1,3,5-Trimethylbenzene

Concen: 0.503 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX034349.D

Acq: 06 Mar 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

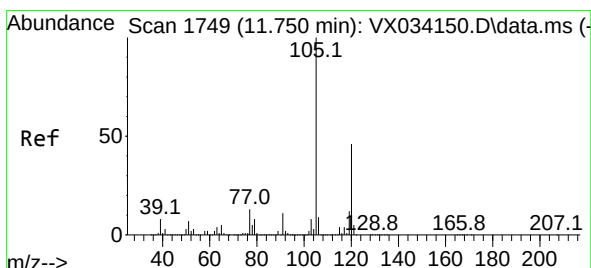
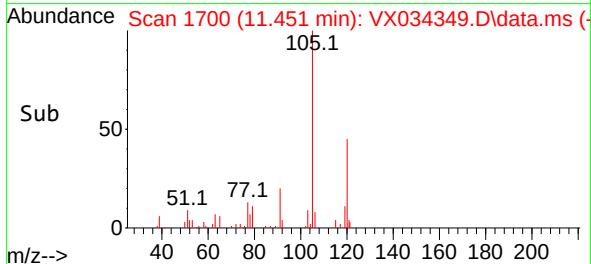
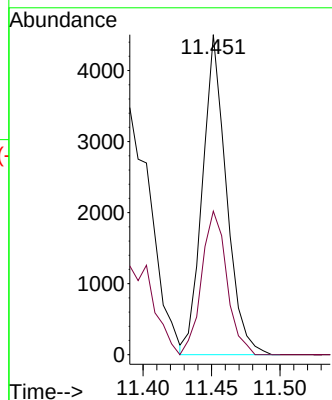
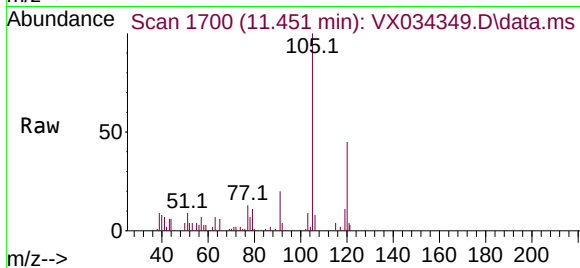
COMP-VOC

Tgt Ion:105 Resp: 5478

Ion Ratio Lower Upper

105 100

120 47.1 25.6 76.8



#84

1,2,4-Trimethylbenzene

Concen: 1.117 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX034349.D

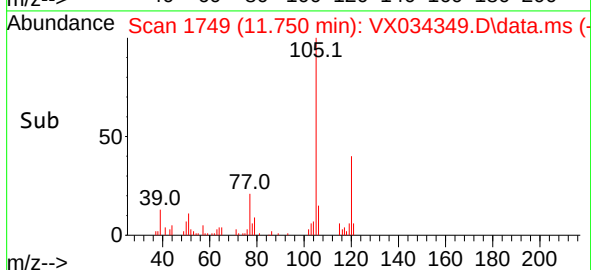
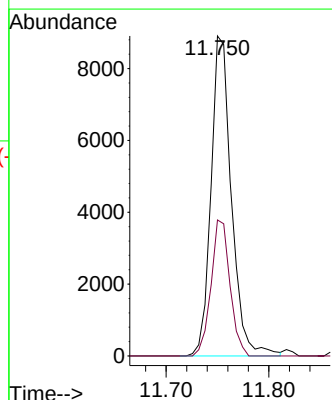
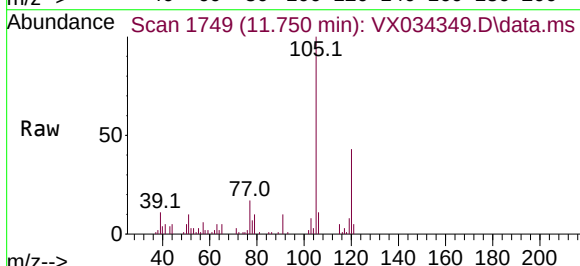
Acq: 06 Mar 2023 15:00

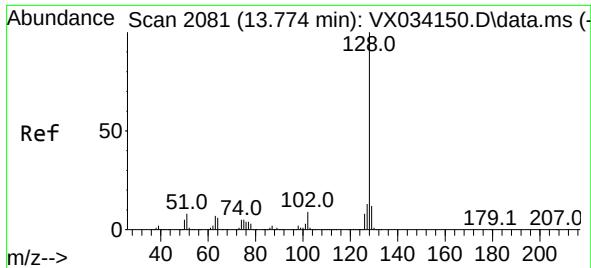
Tgt Ion:105 Resp: 12288

Ion Ratio Lower Upper

105 100

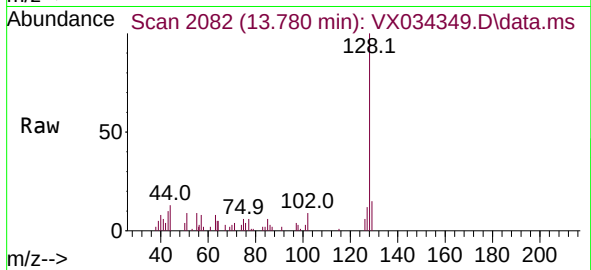
120 39.3 23.4 70.2





#95
Naphthalene
Concen: 0.382 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034349.D
Acq: 06 Mar 2023 15:00

Instrument :
MSVOA_X
ClientSampleId :
COMP-VOC



Tgt Ion:128 Resp: 4721
Ion Ratio Lower Upper
128 100
127 15.0 10.3 15.5
129 14.4 8.7 13.1#

