

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\
 Data File : VV016893.D
 Acq On : 12 Jun 2020 20:58
 Operator : SY/MD
 Sample : L2914-05 10X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9E00

Quant Time: Jun 13 03:10:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 13 03:02:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	375782	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	349335	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	172206	50.00	ug/L	0.00

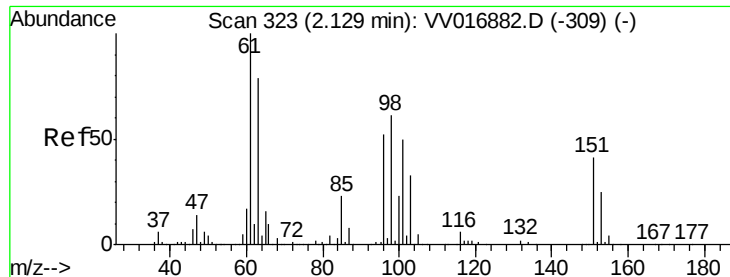
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	96589	36.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.86%
7) Chloroethane-d5	1.57	69	56792	35.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.38%
11) 1,1-Dichloroethene-d2	2.12	63	138604	31.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.26%
21) 2-Butanone-d5	3.90	46	175948	89.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.65%
24) Chloroform-d	4.37	84	228810	42.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.88%
26) 1,2-Dichloroethane-d4	5.05	65	170297	46.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.88%
32) Benzene-d6	5.07	84	442445	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
36) 1,2-Dichloropropane-d6	6.09	67	136199	43.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.78%
41) Toluene-d8	7.34	98	403173	43.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.26%
43) trans-1,3-Dichloropropene-	7.64	79	68656	42.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.00%
47) 2-Hexanone-d5	8.11	63	105683	77.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.23%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	173884	41.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.70%
64) 1,2-Dichlorobenzene-d4	11.65	152	167177	45.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.98%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1410	0.706	ug/L #	19
13) Acetone	2.18	43	1428	1.104	ug/L	90
15) Methyl Acetate	2.44	43	3566	1.237	ug/L #	63
27) 1,2-Dichloroethane	5.13	62	37165	9.012	ug/L #	74
29) Cyclohexane	4.70	56	28468	6.558	ug/L	96
33) Benzene	5.12	78	3263975	315.793	ug/L	100
35) Methylcyclohexane	6.15	83	4669	1.074	ug/L #	81
42) Toluene	7.41	91	69575	6.385	ug/L	97
48) 2-Hexanone	8.17	43	6988	2.366	ug/L #	95
52) Ethylbenzene	9.04	91	49476	4.100	ug/L	99
53) m,p-Xylene	9.16	106	47290	10.524	ug/L	97
54) o-xylene	9.57	106	17346	3.914	ug/L	98
69) Naphthalene	13.53	128	35553	3.313	ug/L	98

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



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.706 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016893.D

Acq: 12 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

F9E00

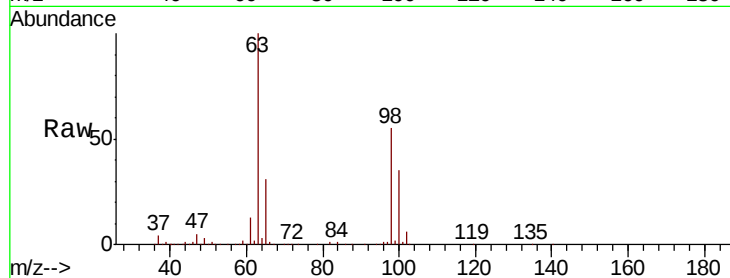
Tot Ion:101 Resp: 1410

Ion Ratio Lower Upper

101 100

85 3.2 35.5 53.3#

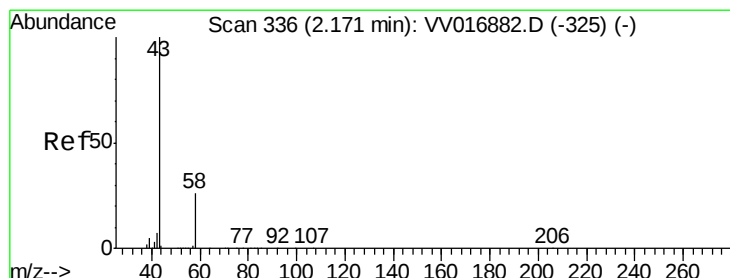
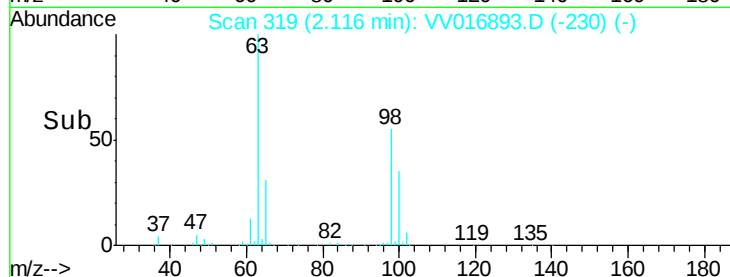
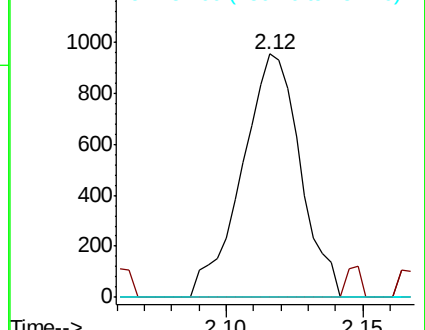
151 0.0 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 1.104 ug/L

RT: 2.18 min Scan# 339

Delta R.T. 0.01 min

Lab File: VV016893.D

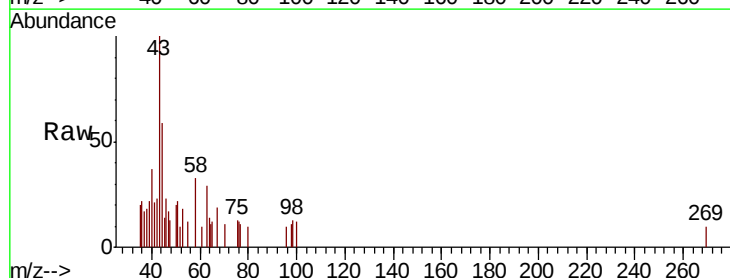
Acq: 12 Jun 2020 20:58

Tgt Ion: 43 Resp: 1428

Ion Ratio Lower Upper

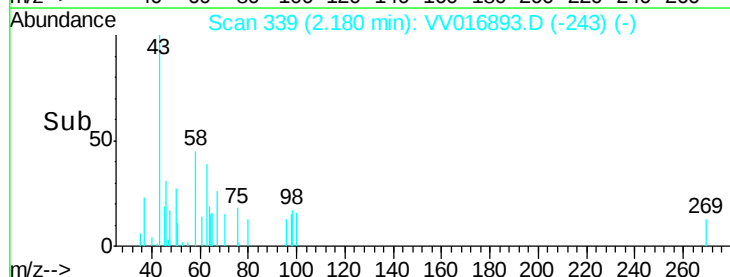
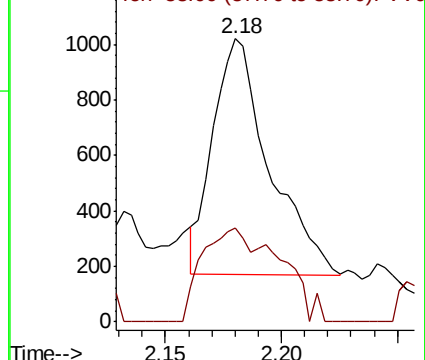
43 100

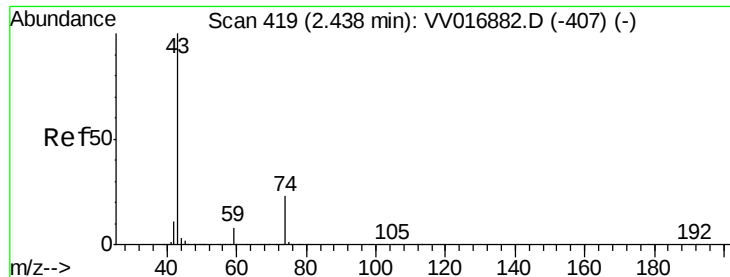
58 32.7 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

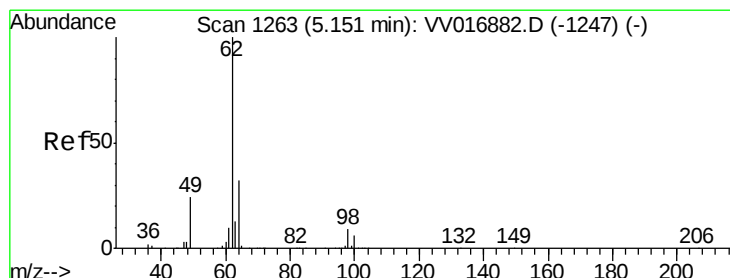
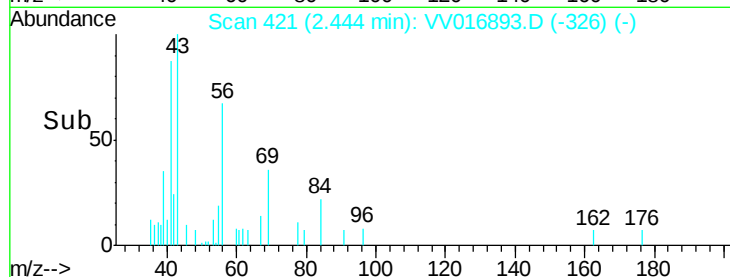
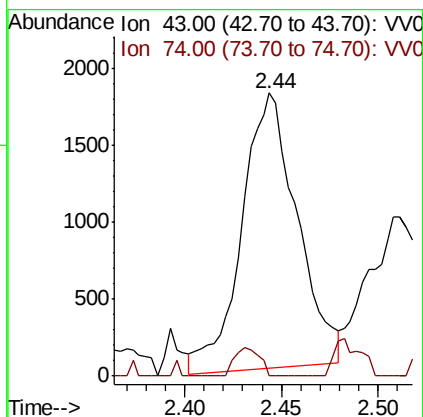
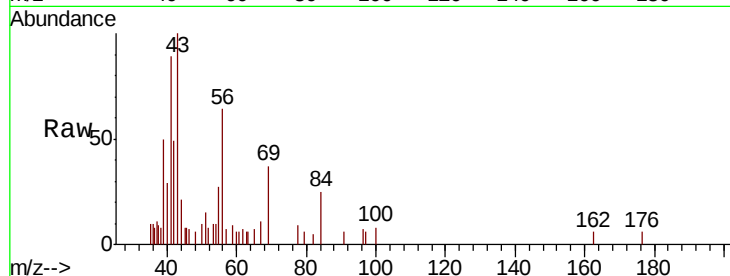




#15
Methvl Acetate
Concen: 1.237 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.01 min
Lab File: VV016893.D
Acq: 12 Jun 2020 20:58

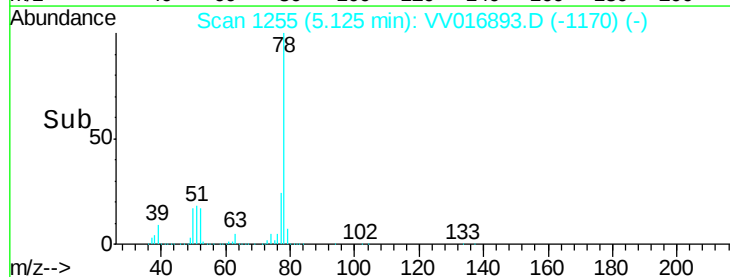
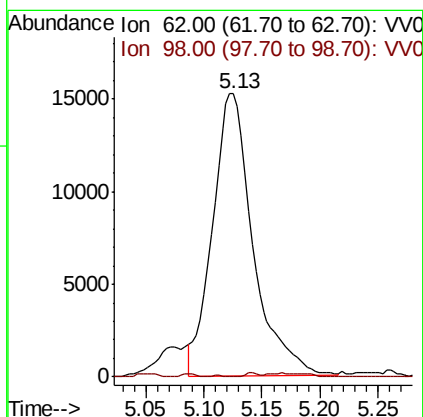
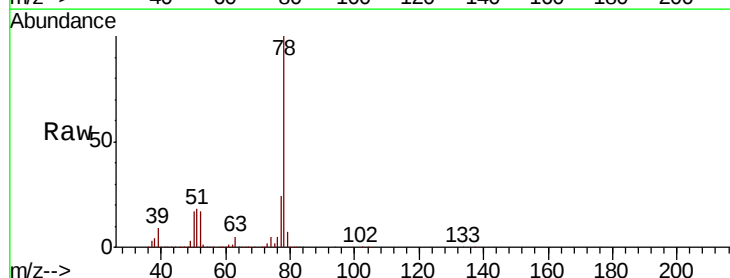
Instrument :
MSVOA_V
ClientSampleId :
F9E00

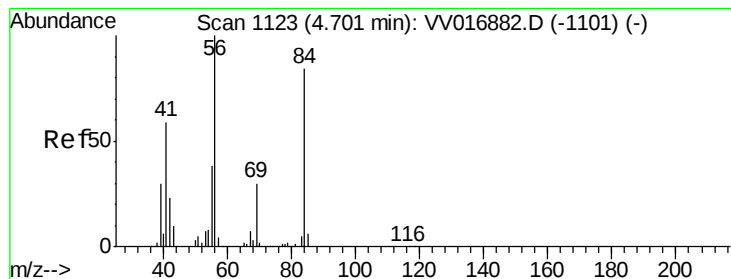
Tot Ion: 43 Resp: 3566
Ion Ratio Lower Upper
43 100
74 4.6 17.9 26.9#



#27
1,2-Dichloroethane
Concen: 9.012 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.03 min
Lab File: VV016893.D
Acq: 12 Jun 2020 20:58

Tgt Ion: 62 Resp: 37165
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#





#29

Cyclohexane

Concen: 6.558 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV016893.D

Acq: 12 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

F9E00

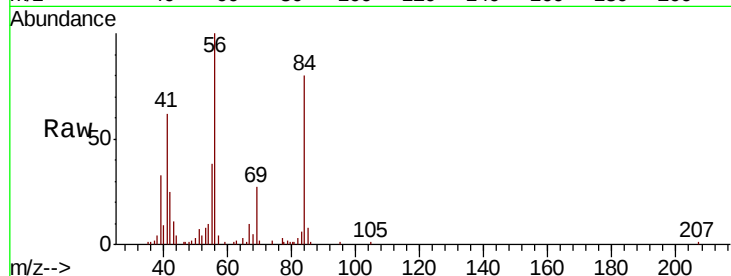
Tot Ion: 56 Resp: 28468

Ion Ratio Lower Upper

56 100

69 32.3 25.0 37.4

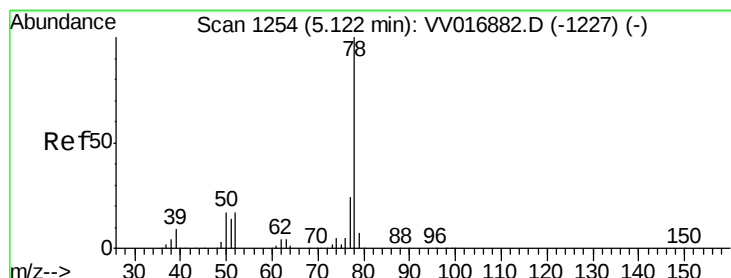
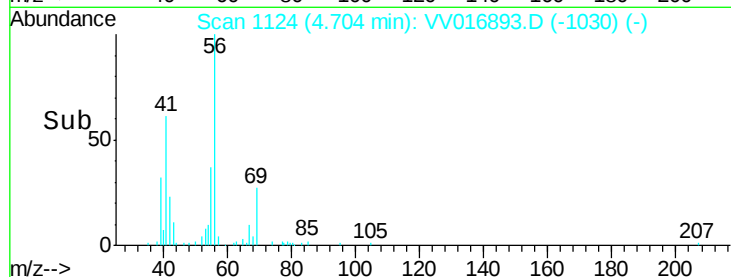
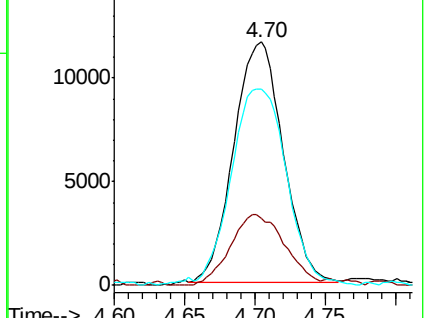
84 91.4 69.5 104.3



Abundance Ion 56.00 (55.70 to 56.70): VV016893.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV016893.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV016893.D (-1030) (-)



#33

Benzene

Concen: 315.793 ug/L

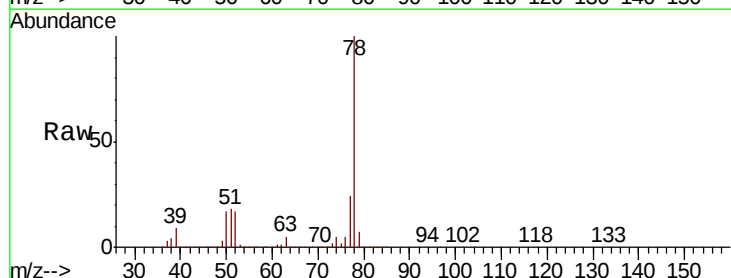
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

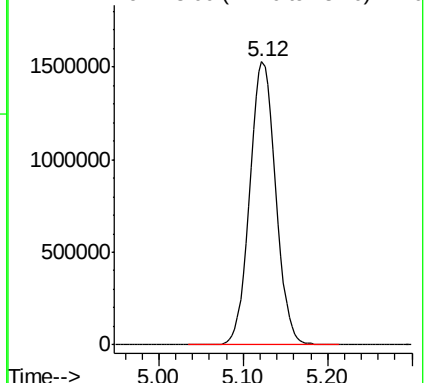
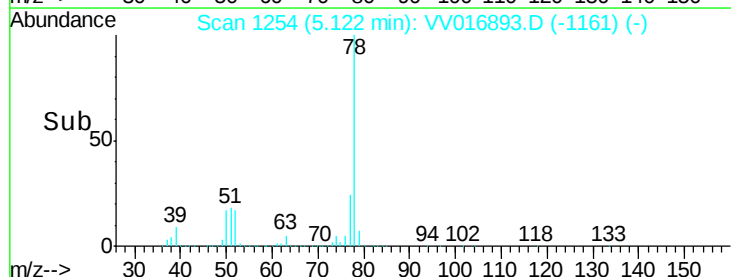
Lab File: VV016893.D

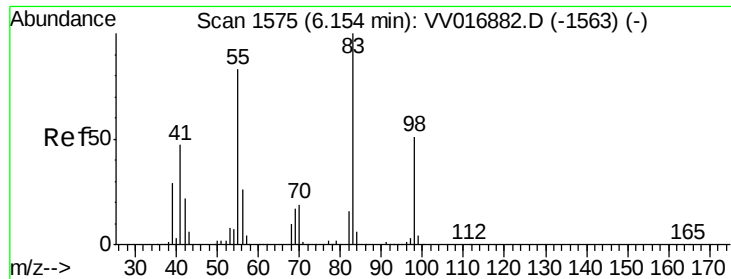
Acq: 12 Jun 2020 20:58

Tgt Ion: 78 Resp: 3263975



Abundance Ion 78.00 (77.70 to 78.70): VV016893.D (-1161) (-)

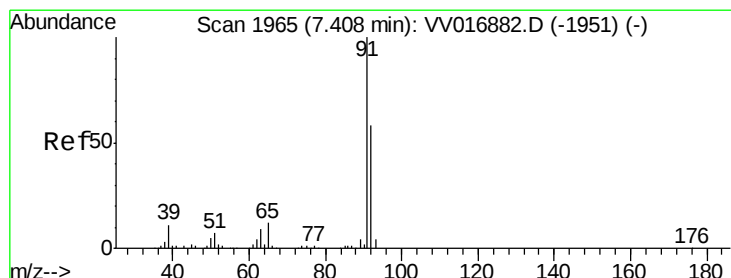
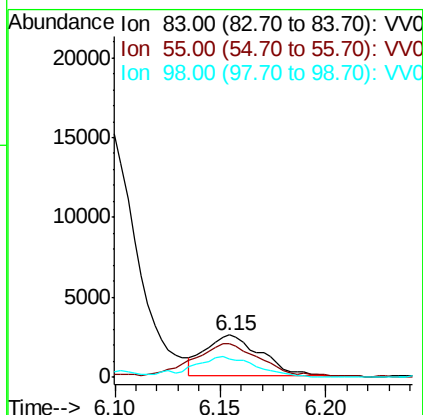
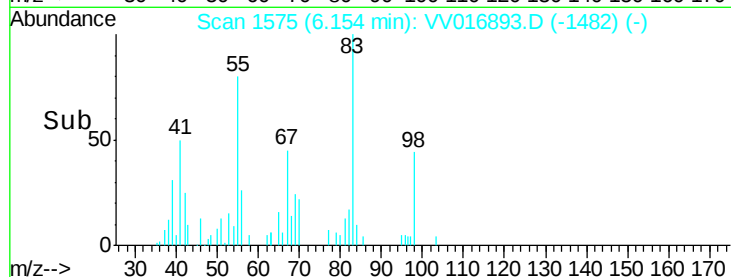
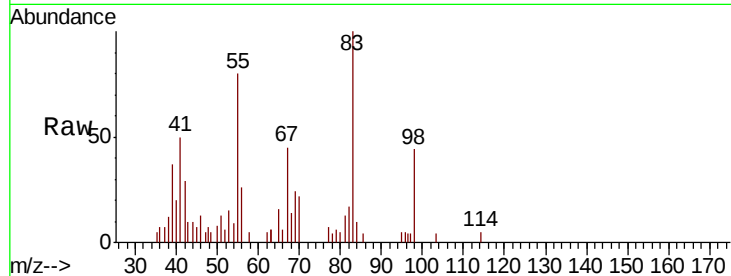




#35
Methvlcvclohexane
Concen: 1.074 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV016893.D
Acq: 12 Jun 2020 20:58

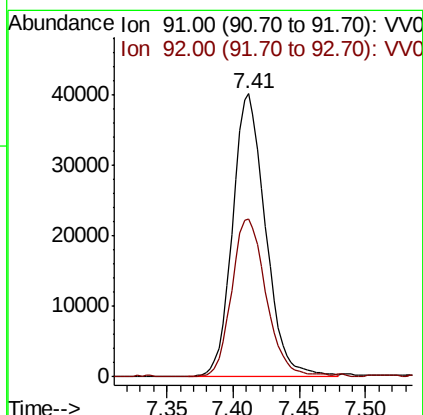
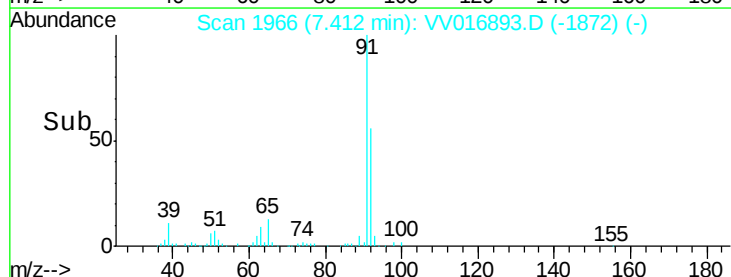
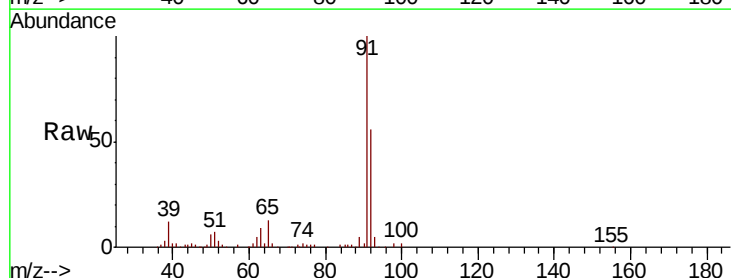
Instrument :
MSVOA_V
ClientSampleId :
F9E00

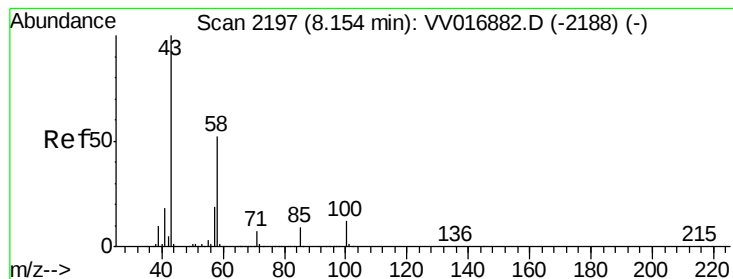
Tot Ion: 83 Resp: 4669
Ion Ratio Lower Upper
83 100
55 104.5 64.2 96.2#
98 54.2 40.3 60.5



#42
Toluene
Concen: 6.385 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VV016893.D
Acq: 12 Jun 2020 20:58

Tgt Ion: 91 Resp: 69575
Ion Ratio Lower Upper
91 100
92 55.7 40.4 75.0





#48

2-Hexanone

Concen: 2.366 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV016893.D

Acq: 12 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

F9E00

Tot Ion: 43 Resp: 6988

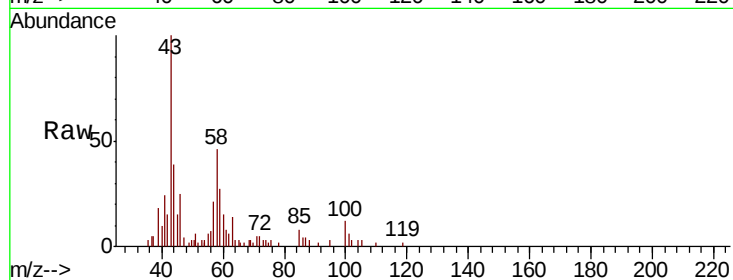
Ion Ratio Lower Upper

43 100

58 53.0 43.1 64.7

57 12.4 15.3 22.9#

100 16.0 10.0 15.0#

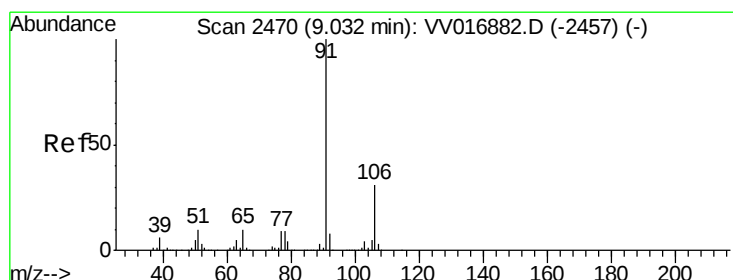
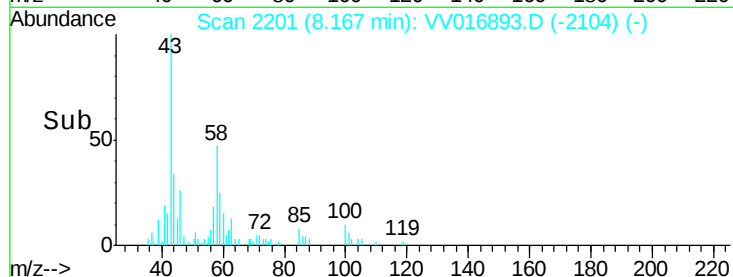
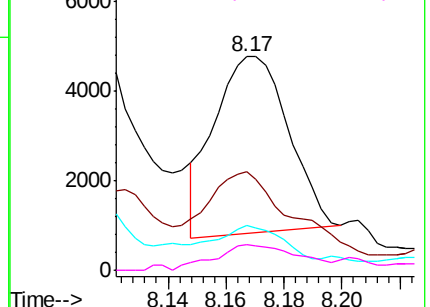


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#52

Ethylbenzene

Concen: 4.100 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016893.D

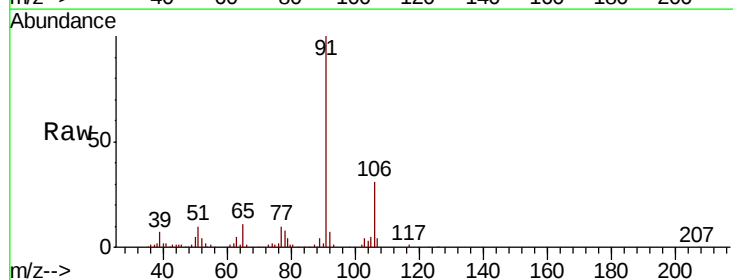
Acq: 12 Jun 2020 20:58

Tgt Ion: 91 Resp: 49476

Ion Ratio Lower Upper

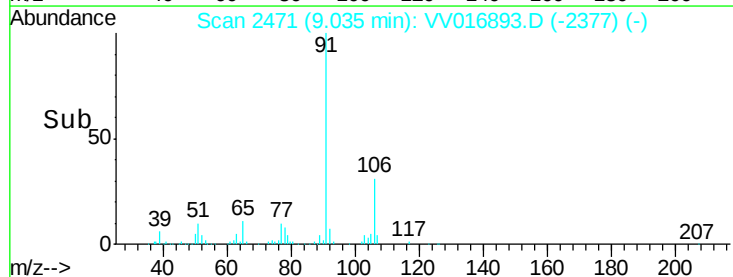
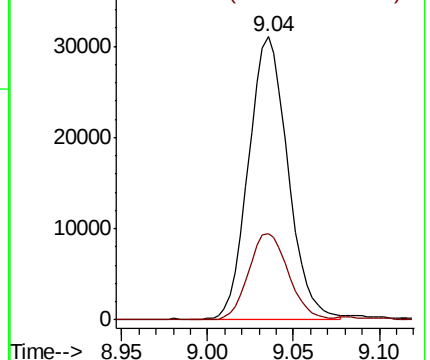
91 100

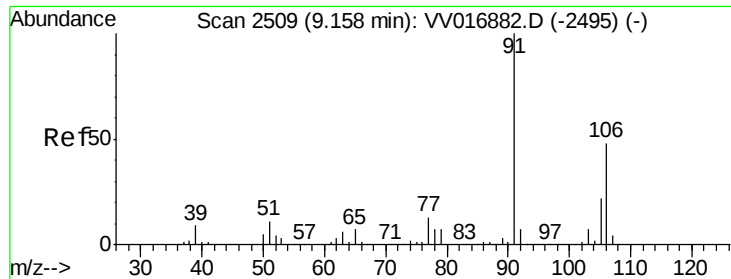
106 30.5 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): VV0





#53

m,p-Xylene

Concen: 10.524 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016893.D

Acq: 12 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

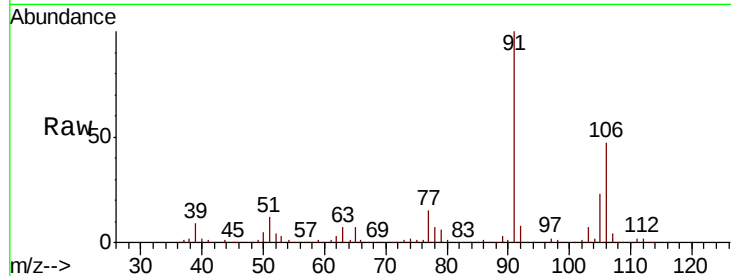
F9E00

Tot Ion:106 Resp: 47290

Ion Ratio Lower Upper

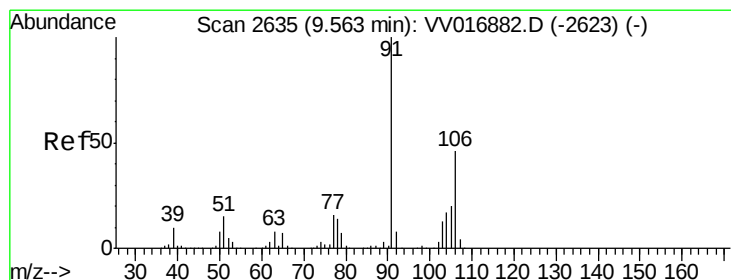
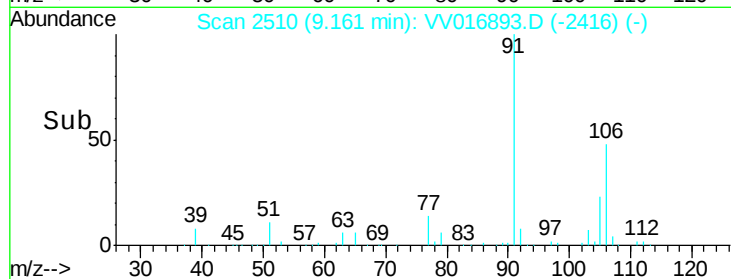
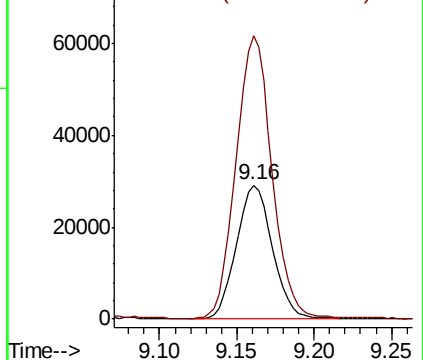
106 100

91 211.0 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 3.914 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016893.D

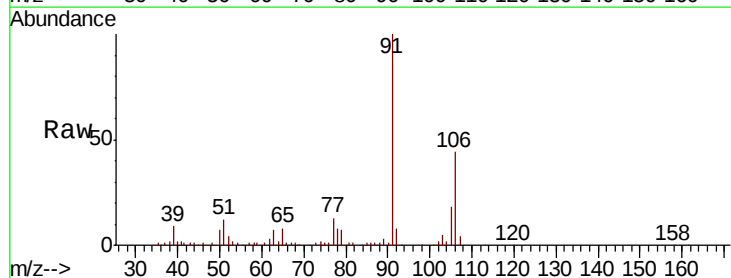
Acq: 12 Jun 2020 20:58

Tgt Ion:106 Resp: 17346

Ion Ratio Lower Upper

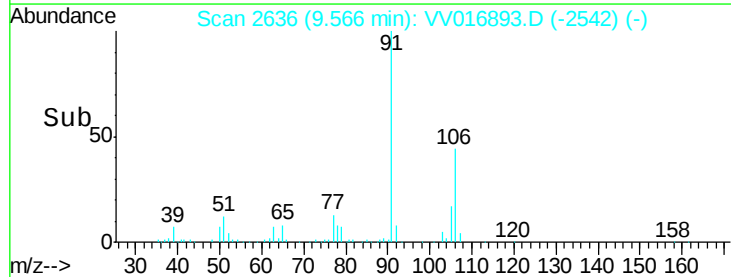
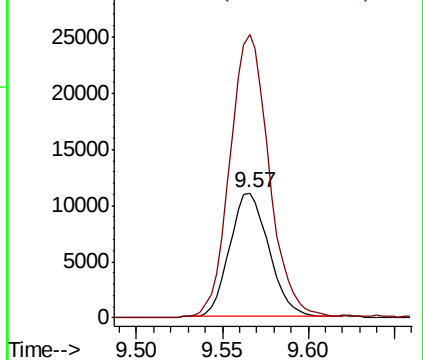
106 100

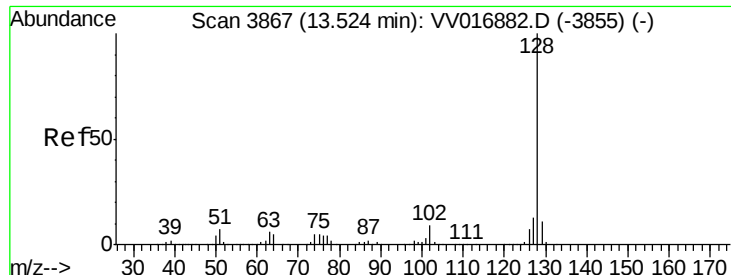
91 226.0 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#69

Naphthalene

Concen: 3.313 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016893.D

Acq: 12 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

F9E00

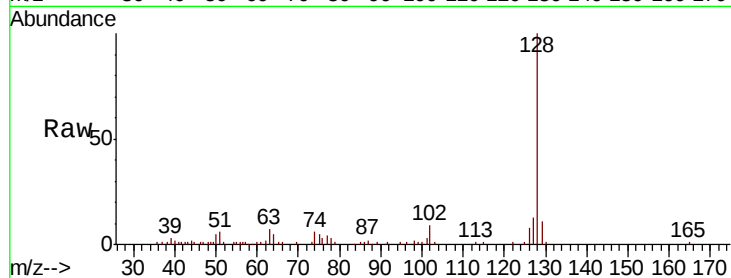
Tot Ion:128 Resp: 35553

Ion Ratio Lower Upper

128 100

127 13.9 10.5 15.7

129 10.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

