

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060520\
 Data File : VV016558.D
 Acq On : 06 Jun 2020 00:53
 Operator : SY/MD
 Sample : L2862-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 06 06:31:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 06:28:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	389390	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	368323	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	187631	50.00	ug/L	0.00

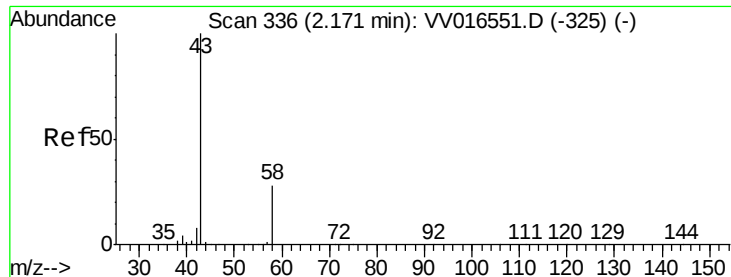
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	119761	43.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.84%
7) Chloroethane-d5	1.56	69	86163	43.28	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.56%
11) 1,1-Dichloroethene-d2	2.12	63	164093	33.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.12%
21) 2-Butanone-d5	3.89	46	194529	110.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.31%
24) Chloroform-d	4.37	84	242702	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.78%
26) 1,2-Dichloroethane-d4	5.05	65	172096	49.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.30%
32) Benzene-d6	5.07	84	495943	50.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.54%
36) 1,2-Dichloropropane-d6	6.09	67	154933	50.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.80%
41) Toluene-d8	7.34	98	450465	50.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.54%
43) trans-1,3-Dichloropropene-	7.64	79	68868	45.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.94%
47) 2-Hexanone-d5	8.11	63	154614	117.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.43%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	216442	51.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.82%
64) 1,2-Dichlorobenzene-d4	11.65	152	191476	54.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

					Ovalue
13) Acetone	2.17	43	3020	1.832	ug/L 65
27) 1,2-Dichloroethane	5.15	62	138918	32.334	ug/L 98
29) Cyclohexane	4.70	56	81408	18.622	ug/L 98
33) Benzene	5.12	78	5660088	522.519	ug/L 100
35) Methylcyclohexane	6.15	83	6287	1.541	ug/L # 30
42) Toluene	7.41	91	9091	0.792	ug/L 92
52) Ethylbenzene	9.04	91	83984	6.723	ug/L 99
53) m,p-Xylene	9.16	106	2754	0.585	ug/L 91
56) Isopropylbenzene	9.95	105	18508	1.562	ug/L 97
66) 1,2-Dibromo-3-chloropropan	12.14	75	2069	2.330	ug/L # 3

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



#13

Acetone

Concen: 1.832 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016558.D

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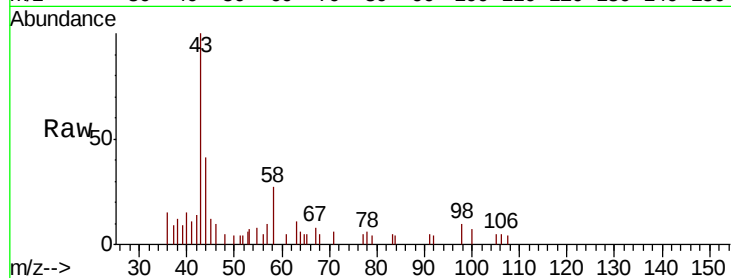
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 3020

Ion Ratio Lower Upper

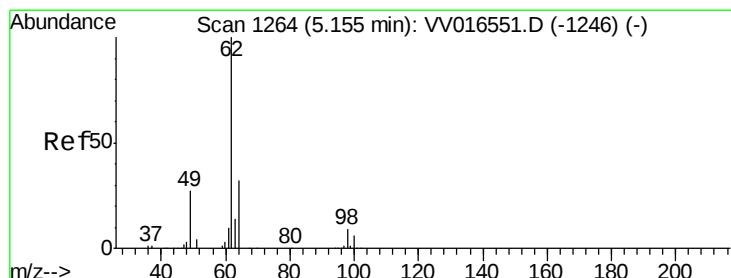
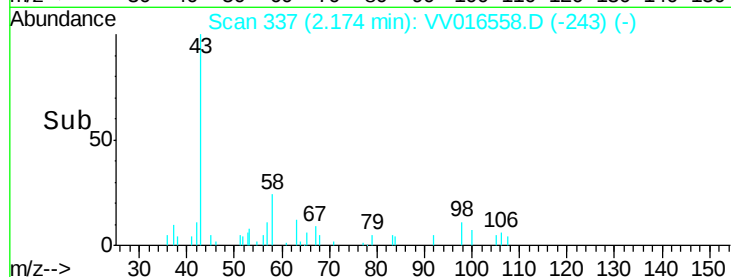
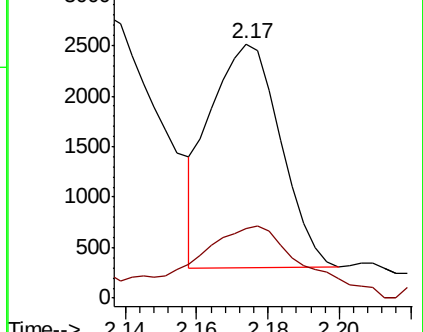
43 100

58 47.4 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV016551.D (-325) (-)

Ion 58.00 (57.70 to 58.70): VV016551.D (-325) (-)



#27

1,2-Dichloroethane

Concen: 32.334 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VV016558.D

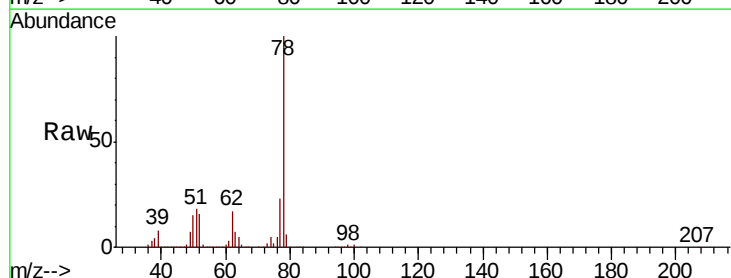
Acq: 06 Jun 2020 00:53

Tgt Ion: 62 Resp: 138918

Ion Ratio Lower Upper

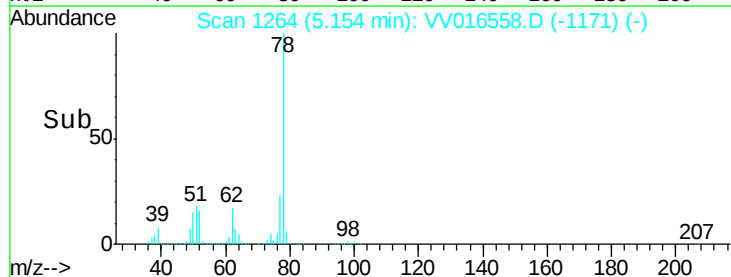
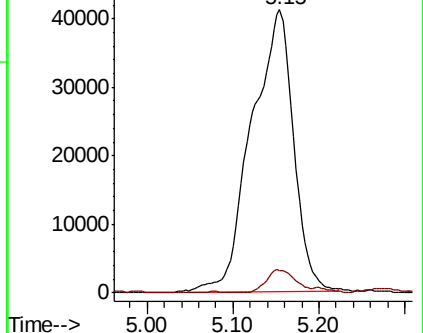
62 100

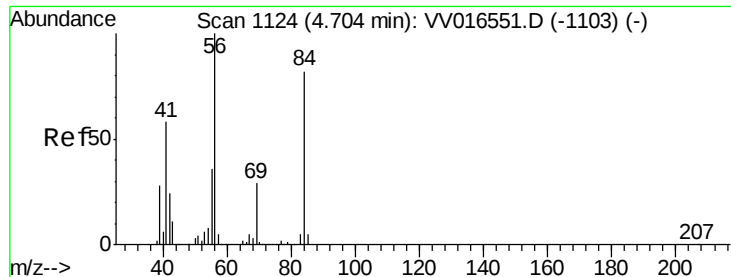
98 8.0 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV016551.D (-1246) (-)

Ion 98.00 (97.70 to 98.70): VV016551.D (-1246) (-)

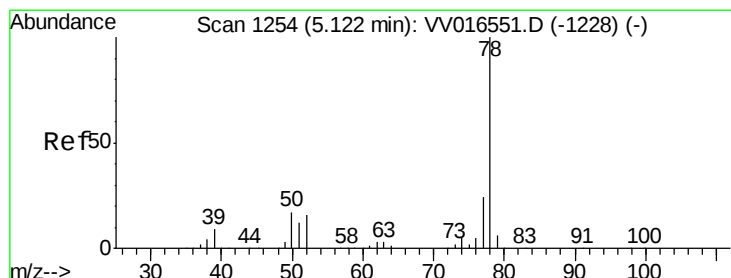
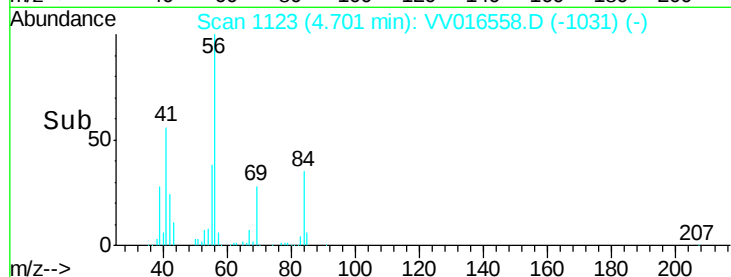
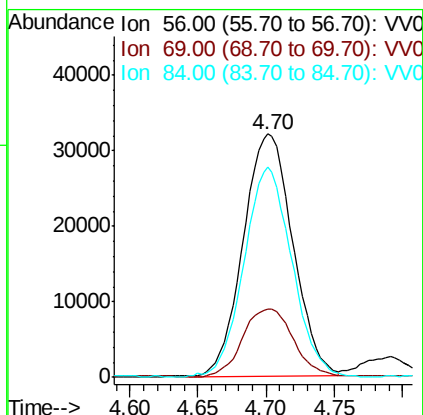
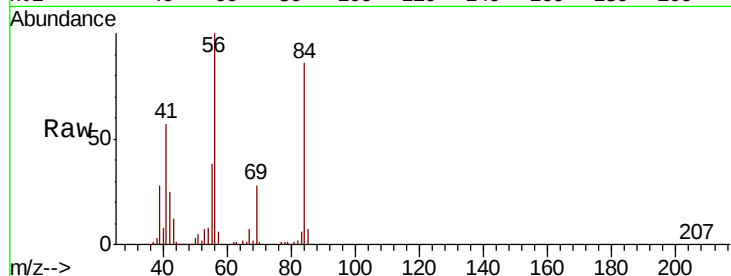




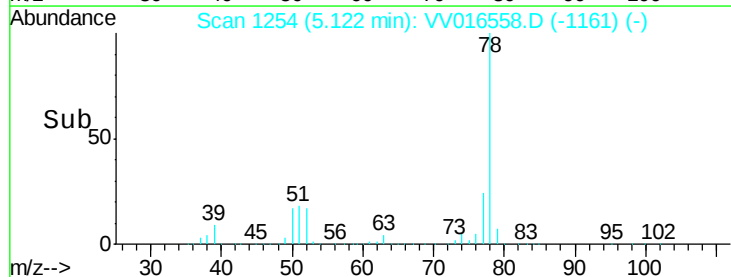
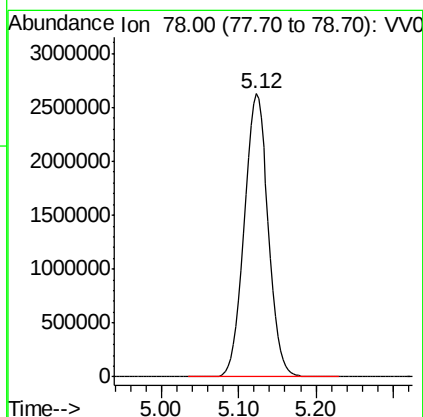
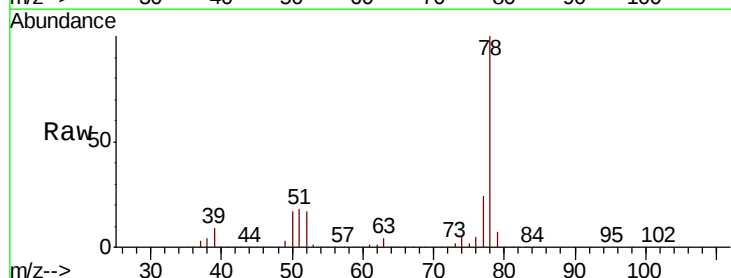
#29
Cyclohexane
Concen: 18.622 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV016558.D
Acq: 06 Jun 2020 00:53

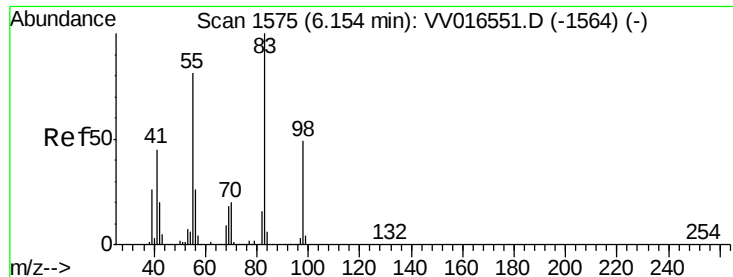
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 81408
Ion Ratio Lower Upper
56 100
69 29.0 23.9 35.9
84 83.9 68.2 102.2



#33
Benzene
Concen: 522.519 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV016558.D
Acq: 06 Jun 2020 00:53
Tgt Ion: 78 Resp: 5660088

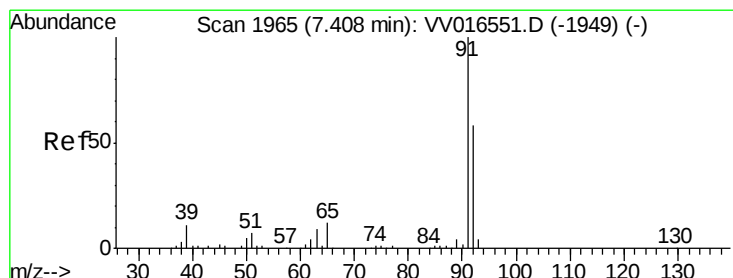
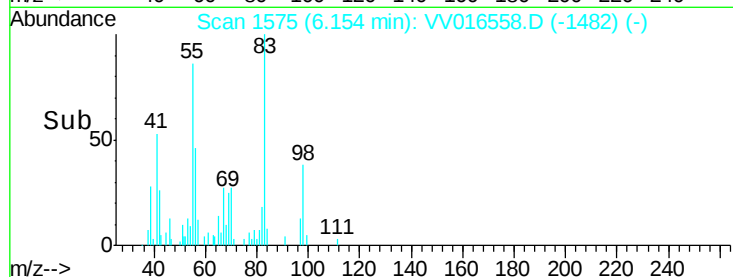
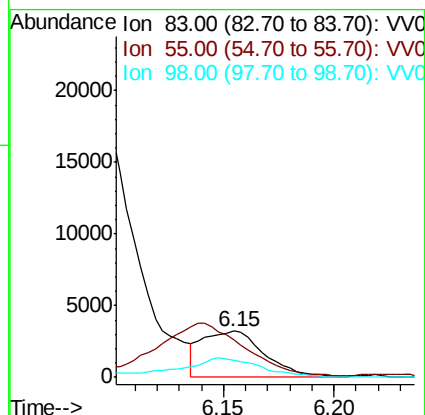
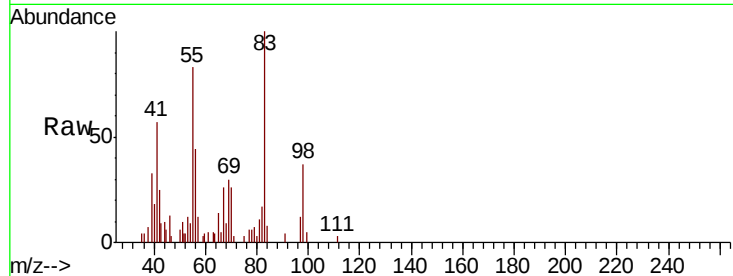




#35
Methvlcvclohexane
Concen: 1.541 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV016558.D
Acq: 06 Jun 2020 00:53

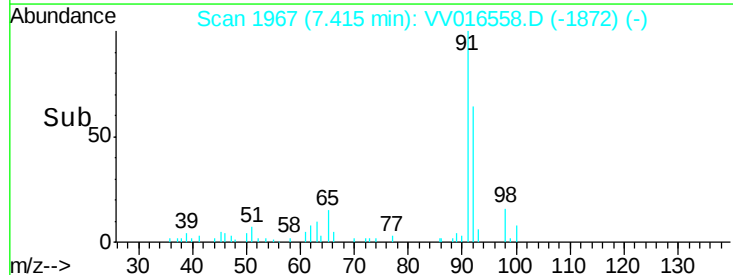
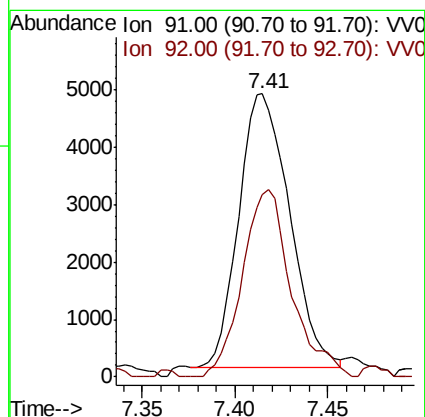
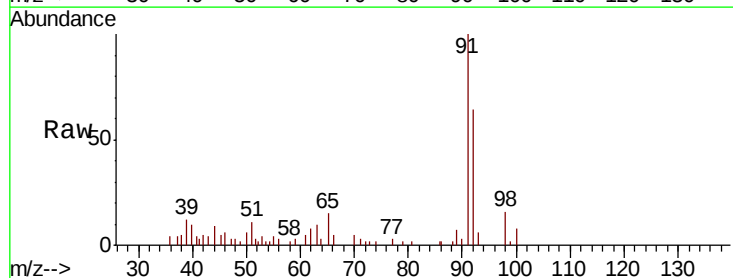
Instrument :
MSVOA_V
ClientSampleId :

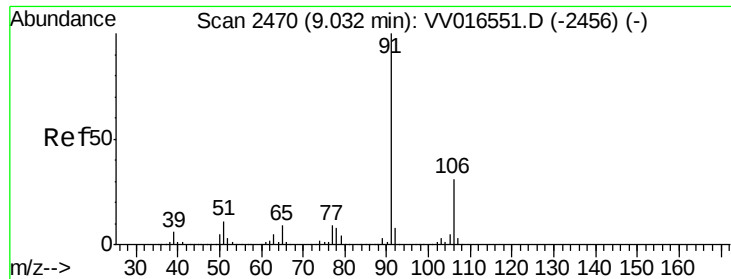
Tot Ion: 83 Resp: 6287
Ion Ratio Lower Upper
83 100
55 175.7 63.4 95.0#
98 53.0 39.4 59.0



#42
Toluene
Concen: 0.792 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV016558.D
Acq: 06 Jun 2020 00:53

Tgt Ion: 91 Resp: 9091
Ion Ratio Lower Upper
91 100
92 64.2 40.9 75.9





#52

Ethylbenzene

Concen: 6.723 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016558.D

Acq: 06 Jun 2020 00:53

Instrument :

MSVOA_V

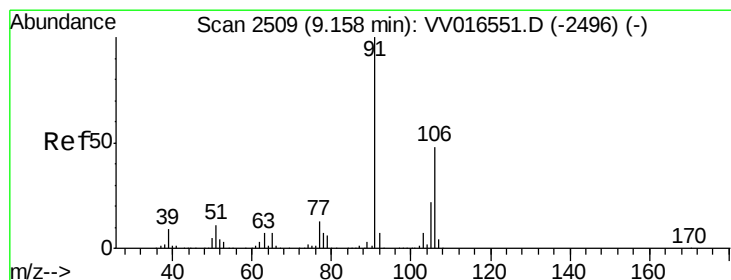
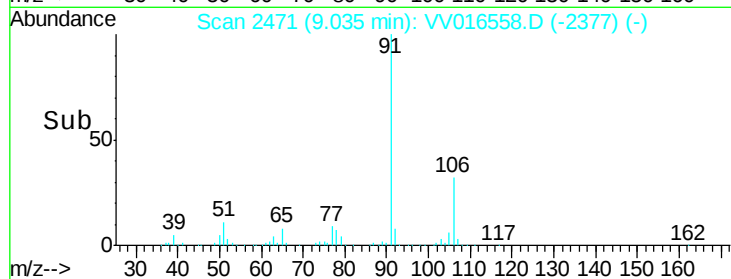
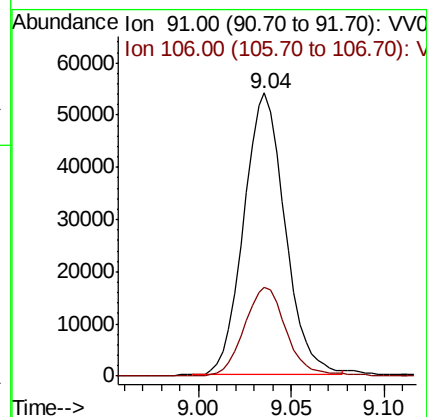
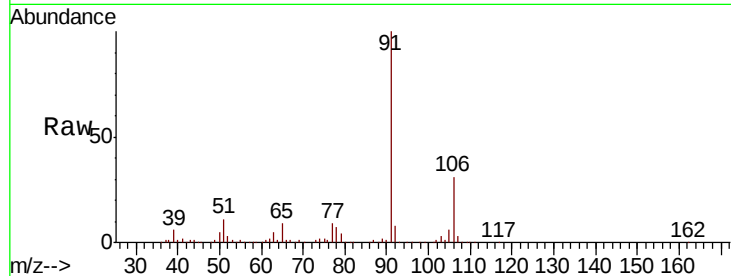
ClientSampled :

Tot Ion: 91 Resp: 83984

Ion Ratio Lower Upper

91 100

106 31.4 21.8 40.4



#53

m,p-Xylene

Concen: 0.585 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV016558.D

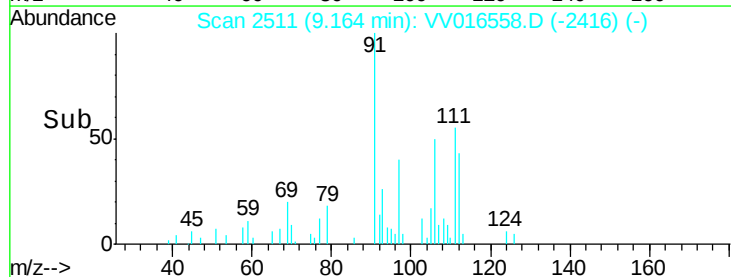
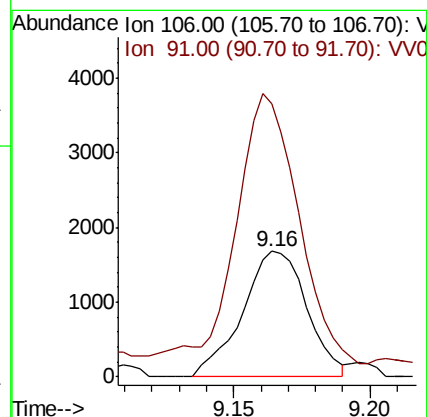
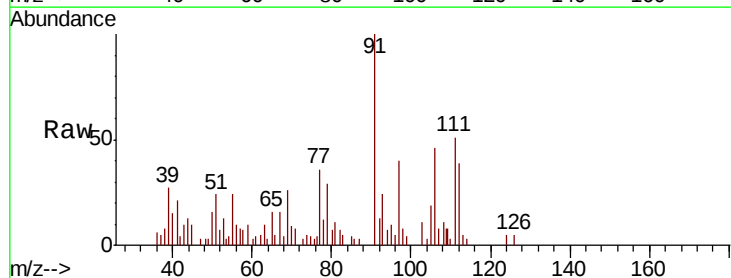
Acq: 06 Jun 2020 00:53

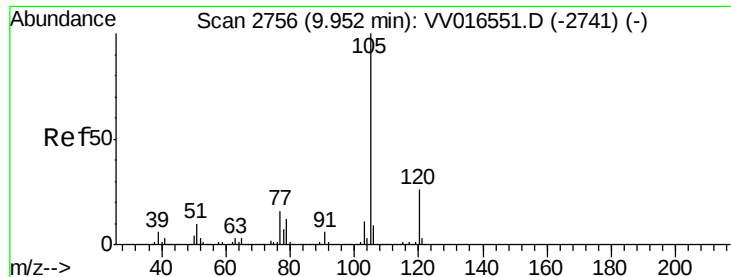
Tgt Ion: 106 Resp: 2754

Ion Ratio Lower Upper

106 100

91 217.9 142.5 264.6





#56

Isopropylbenzene

Concen: 1.562 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016558.D

Acq: 06 Jun 2020 00:53

Instrument :

MSVOA_V

ClientSampleId :

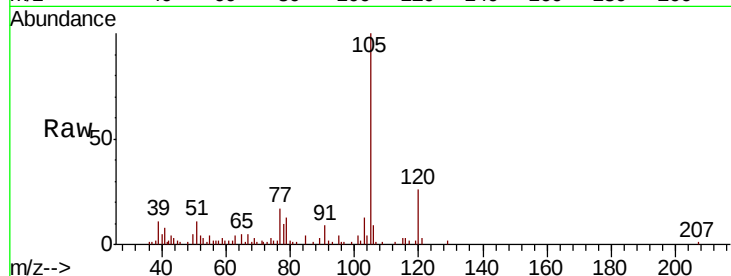
Tot Ion:105 Resp: 18508

Ion Ratio Lower Upper

105 100

120 24.9 21.0 31.6

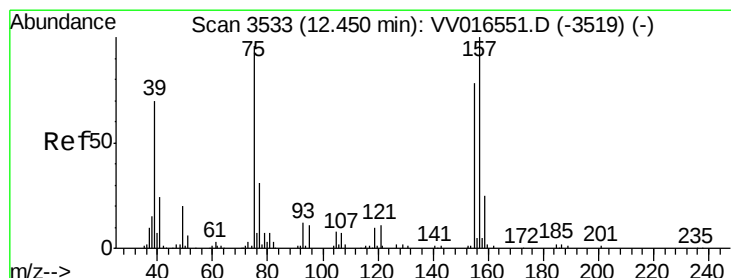
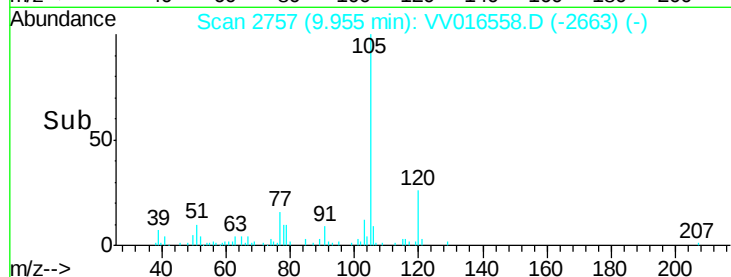
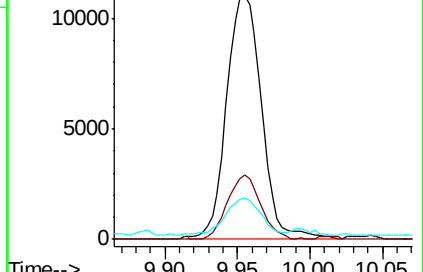
77 15.1 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 2.330 ug/L

RT: 12.14 min Scan# 3436

Delta R.T. -0.31 min

Lab File: VV016558.D

Acq: 06 Jun 2020 00:53

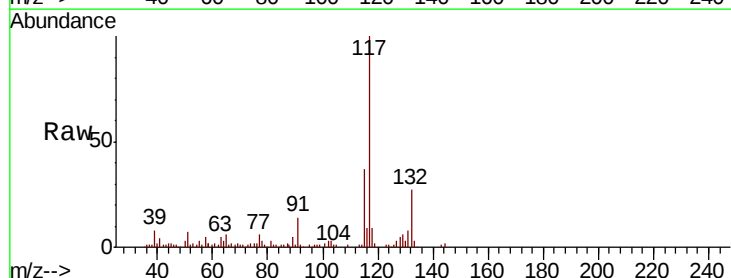
Tgt Ion: 75 Resp: 2069

Ion Ratio Lower Upper

75 100

155 0.0 66.2 99.2#

157 0.0 83.0 124.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

