

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060520\
 Data File : VV016539.D
 Acq On : 05 Jun 2020 16:29
 Operator : SY/MD
 Sample : L2861-11
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 06 00:11:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 00:07:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	396821	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	380773	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	198189	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	110707	39.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.78%
7) Chloroethane-d5	1.56	69	84690	41.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.48%
11) 1,1-Dichloroethene-d2	2.12	63	152902	30.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.38%
21) 2-Butanone-d5	3.89	46	160655	89.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.39%
24) Chloroform-d	4.37	84	222180	42.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.24%
26) 1,2-Dichloroethane-d4	5.06	65	162247	45.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.88%
32) Benzene-d6	5.08	84	449504	44.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.14%
36) 1,2-Dichloropropane-d6	6.09	67	138970	43.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.46%
41) Toluene-d8	7.34	98	416154	44.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.84%
43) trans-1,3-Dichloropropene-	7.64	79	63145	40.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.54%
47) 2-Hexanone-d5	8.11	63	129634	95.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.24%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	181042	42.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	172400	46.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.58%

Target Compounds

					Ovalue
13) Acetone	2.17	43	8890	5.293	ug/L 97
27) 1,2-Dichloroethane	5.24	62	4554	1.040	ug/L 97
29) Cyclohexane	4.70	56	1799433	398.168	ug/L 98
33) Benzene	5.13	78	16924818	1511.351	ug/L 100
35) Methylcyclohexane	6.15	83	238454	56.536	ug/L 95
37) 1,2-Dichloropropane	6.20	63	7016	2.404	ug/L 99
40) 4-Methyl-2-pentanone	7.25	43	6841	1.703	ug/L 98
42) Toluene	7.41	91	12930557	1089.678	ug/L 93
44) trans-1,3-Dichloropropene	7.55	75	4739	1.135	ug/L 86
50) 1,2-Dibromoethane	8.38	107	27715	9.283	ug/L 94
53) m,p-Xylene	9.16	106	1539744	316.175	ug/L 98
54) o-xylene	9.57	106	1480945	313.996	ug/L 99
55) Styrene	9.57	104	140578	17.014	ug/L # 1
56) Isopropylbenzene	9.95	105	1302336	106.305	ug/L 100
58) 1,1,2,2-Tetrachloroethane	10.25	83	4139	0.914	ug/L # 47
66) 1,2-Dibromo-3-chloropropan	12.44	75	1056	1.126	ug/L # 3
69) Naphthalene	13.53	128	1918334	163.413	ug/L 100

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 06 00:07:58 2020
Response via : Initial Calibration

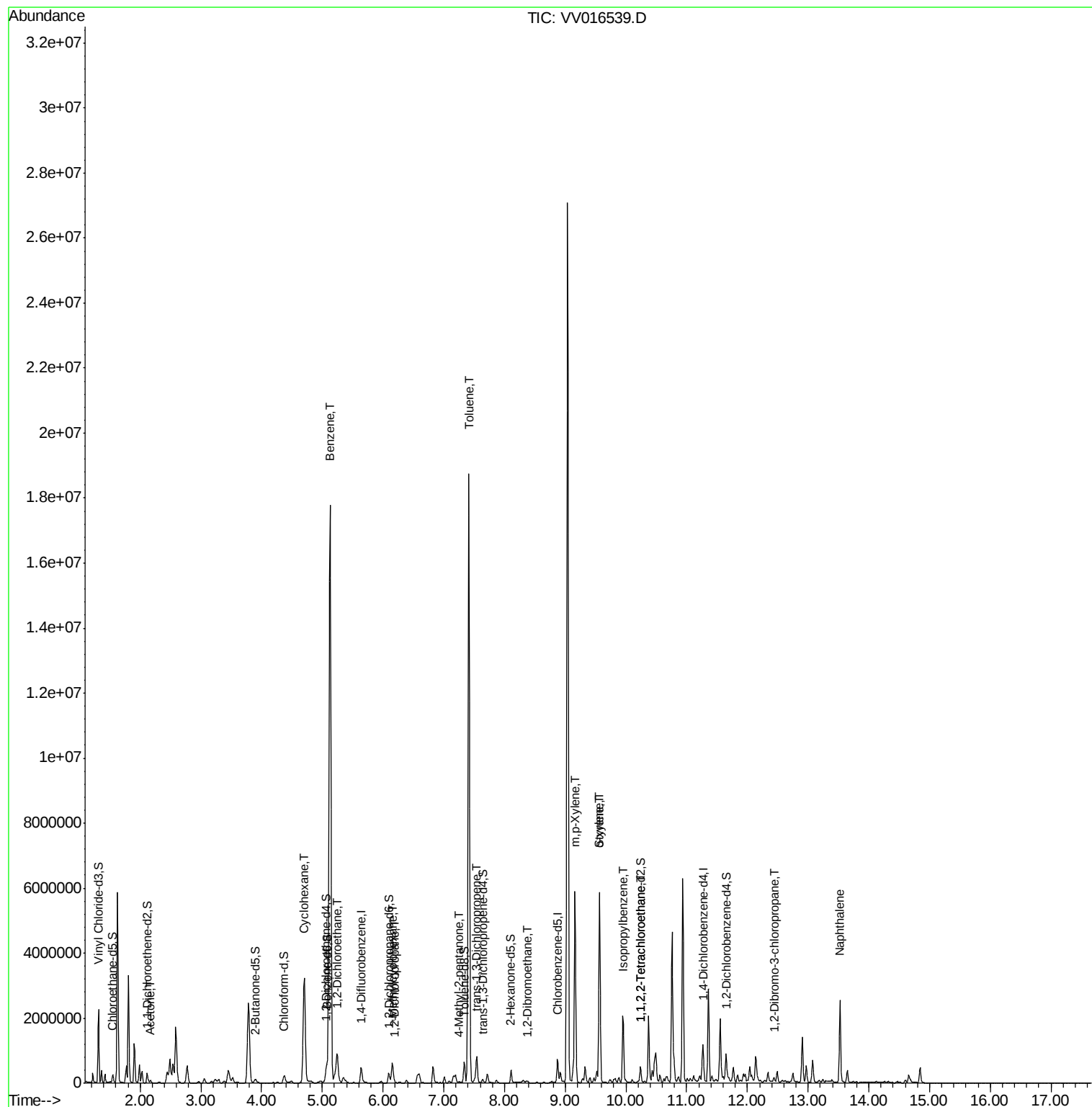
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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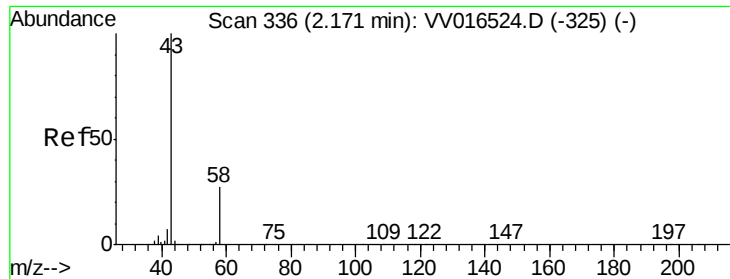
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 06 00:07:58 2020
Response via : Initial Calibration





#13

Acetone

Concen: 5.293 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.00 min

Lab File: VV016539.D

Acq: 05 Jun 2020 16:29

Instrument :

MSVOA_V

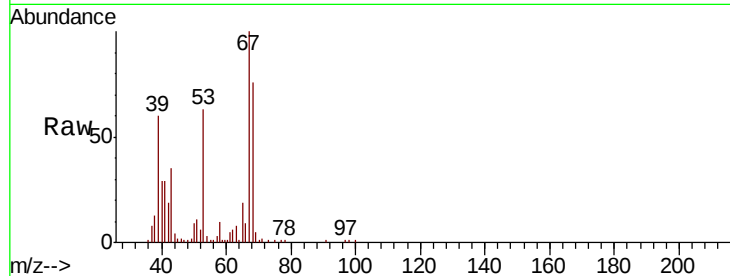
ClientSampleId :

Tot Ion: 43 Resp: 8890

Ion Ratio Lower Upper

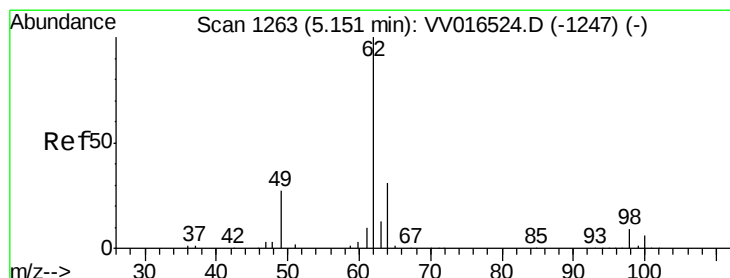
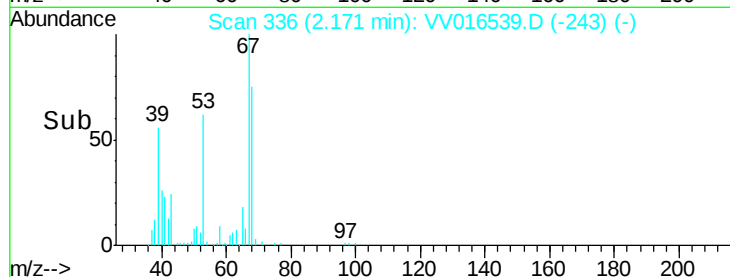
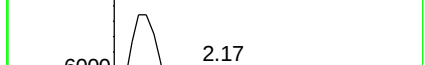
43 100

58 27.0 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV016524.D (-325) (-)

Ion 58.00 (57.70 to 58.70): VV016524.D (-325) (-)



#27

1,2-Dichloroethane

Concen: 1.040 ug/L

RT: 5.24 min Scan# 1291

Delta R.T. 0.09 min

Lab File: VV016539.D

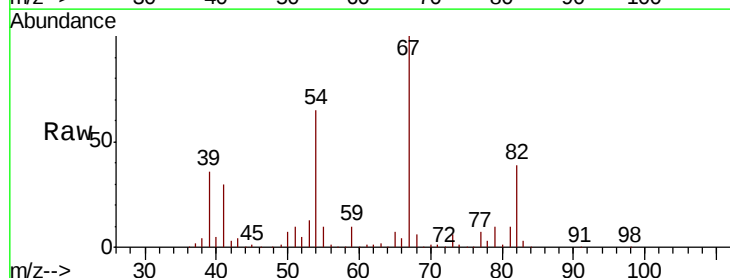
Acq: 05 Jun 2020 16:29

Tgt Ion: 62 Resp: 4554

Ion Ratio Lower Upper

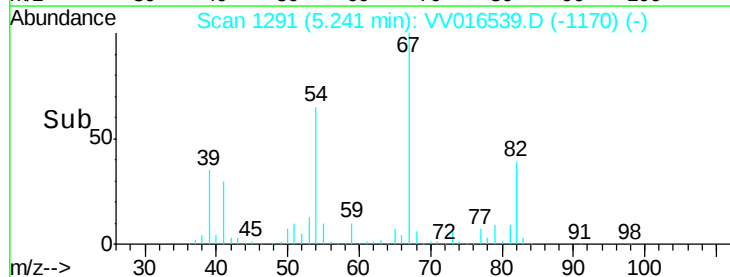
62 100

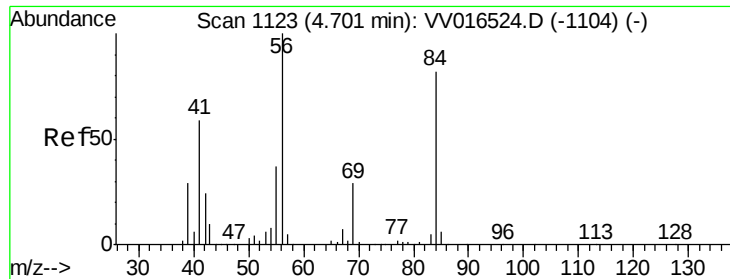
98 9.7 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV016524.D (-1247) (-)

Ion 98.00 (97.70 to 98.70): VV016524.D (-1247) (-)

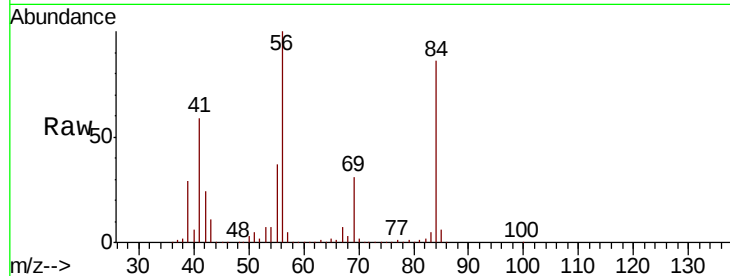




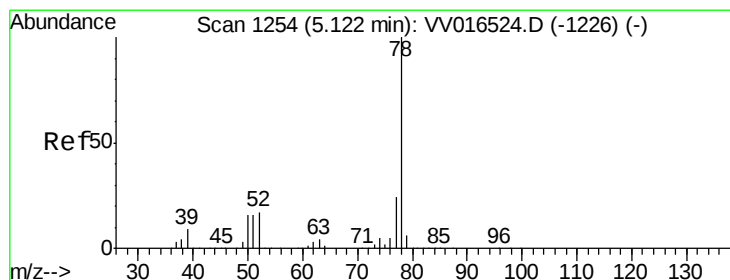
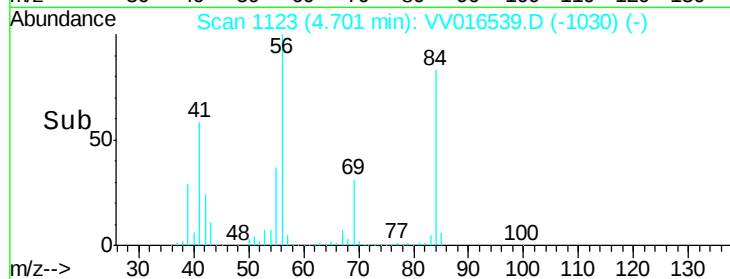
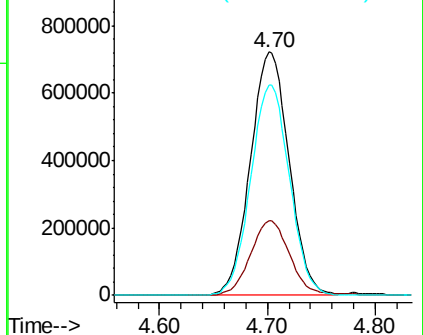
#29
Cyclohexane
Concen: 398.168 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV016539.D
Acq: 05 Jun 2020 16:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 1799433
Ion Ratio Lower Upper
56 100
69 31.3 23.9 35.9
84 86.7 68.2 102.2

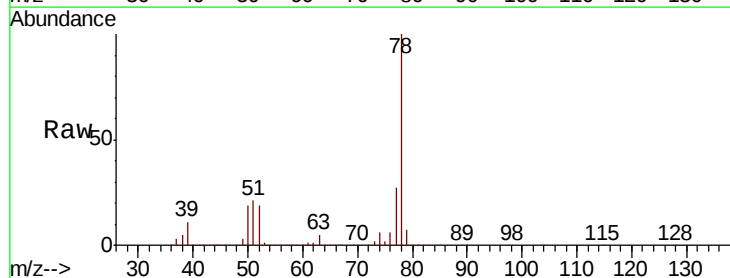


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

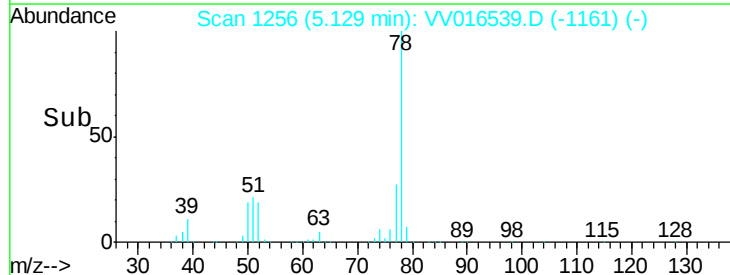
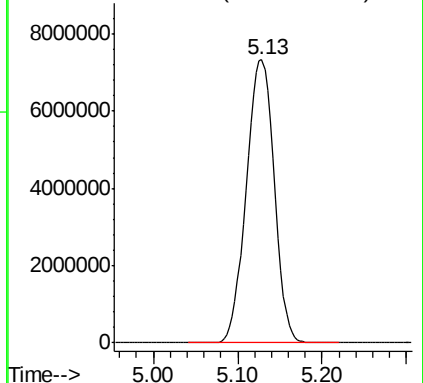


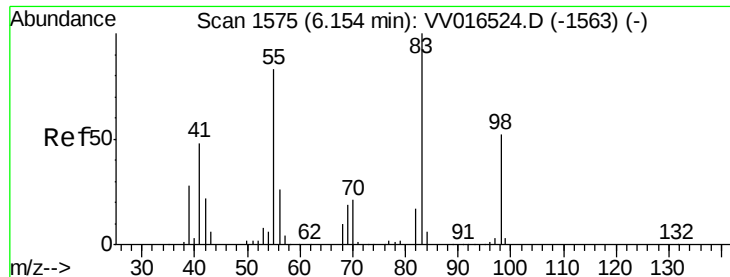
#33
Benzene
Concen: 1511.351 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV016539.D
Acq: 05 Jun 2020 16:29

Tgt Ion: 78 Resp: 16924818



Abundance Ion 78.00 (77.70 to 78.70): VV0

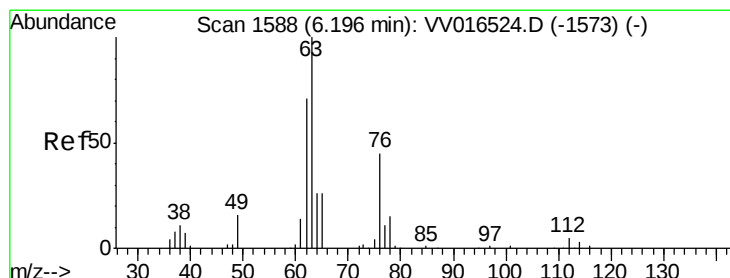
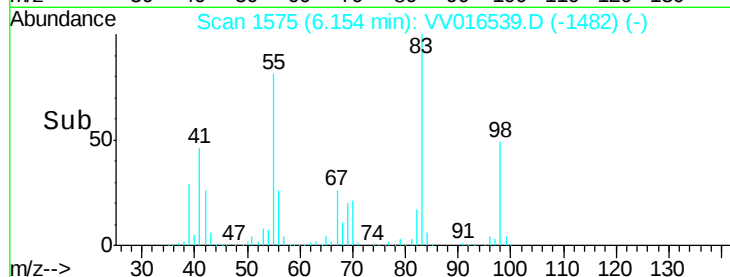
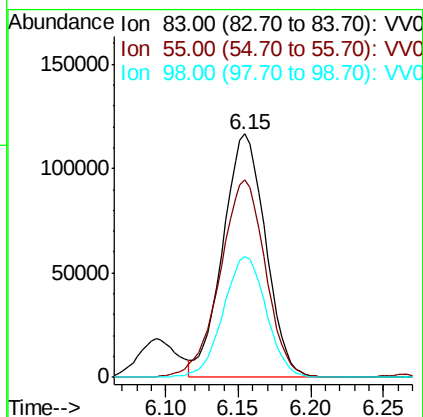
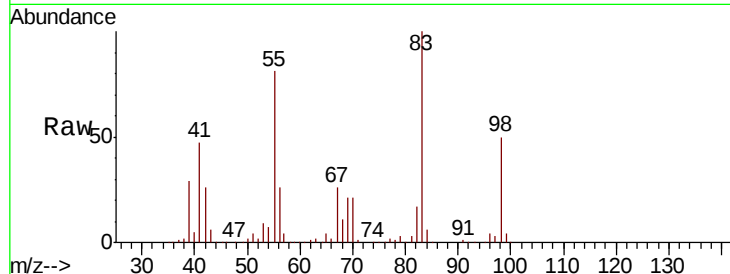




#35
Methvlcvclohexane
Concen: 56.536 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV016539.D
Acq: 05 Jun 2020 16:29

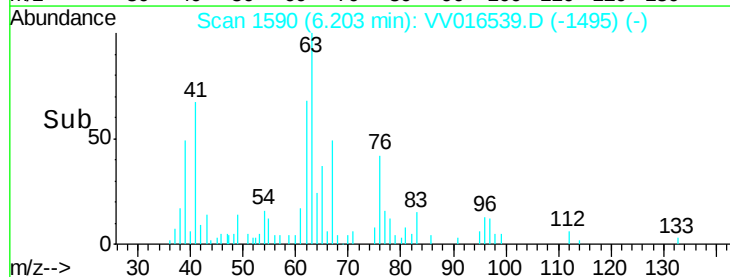
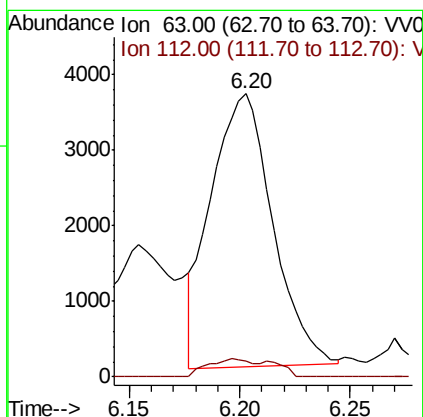
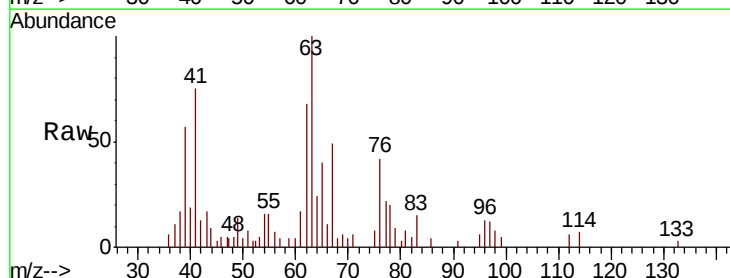
Instrument :
MSVOA_V
ClientSampled :

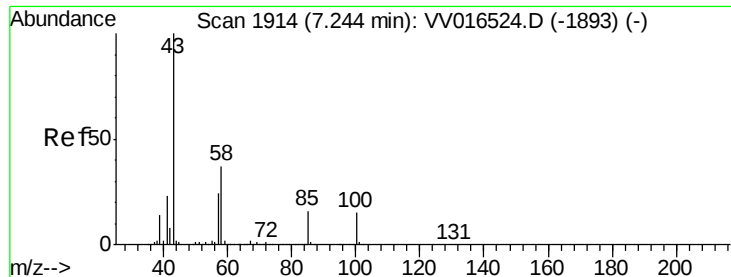
Tot Ion	83	Resp	238454
Ion Ratio	Lower	Upper	
83	100		
55	86.1	63.4	95.0
98	49.8	39.4	59.0



#37
1,2-Dichloropropane
Concen: 2.404 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VV016539.D
Acq: 05 Jun 2020 16:29

Tgt Ion	63	Resp	7016
Ion Ratio	Lower	Upper	
63	100		
112	5.1	3.9	5.9

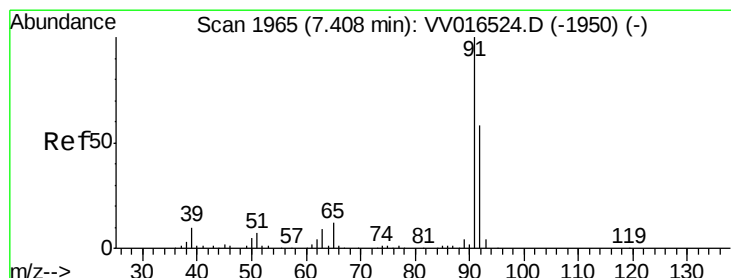
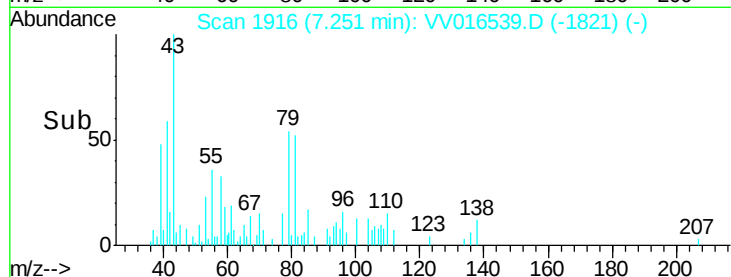
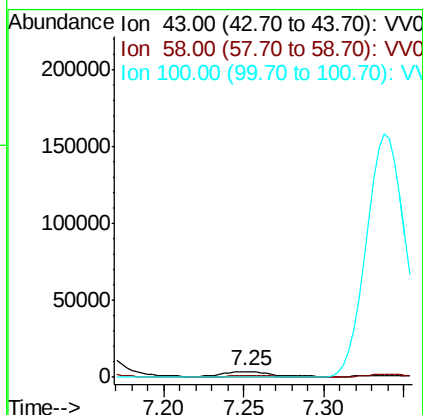
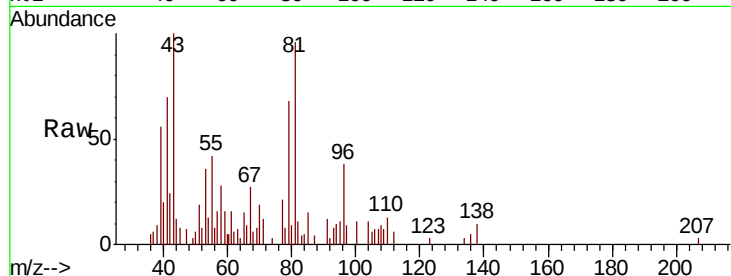




#40
4-Methyl-2-pentanone
Concen: 1.703 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VV016539.D
Acq: 05 Jun 2020 16:29

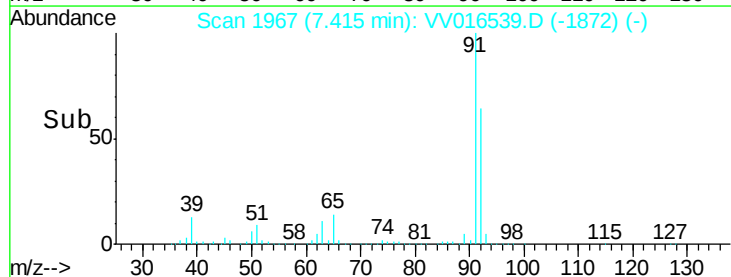
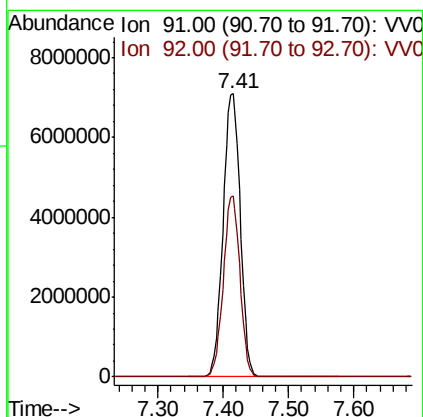
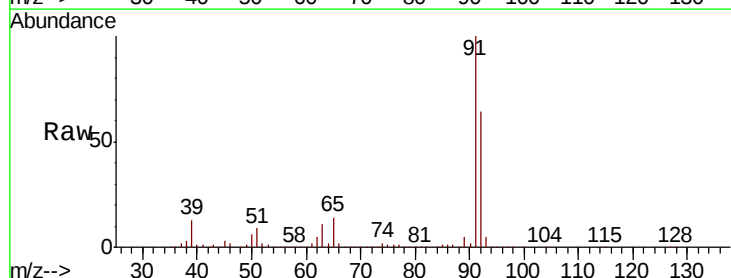
Instrument :
MSVOA_V
ClientSampled :

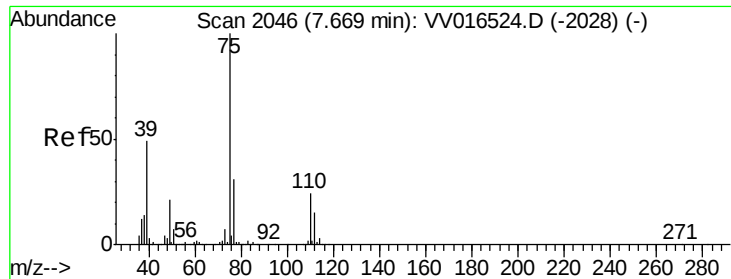
Tot Ion: 43 Resp: 6841
Ion Ratio Lower Upper
43 100
58 38.4 29.9 44.9
100 13.2 11.9 17.9



#42
Toluene
Concen: 1089.678 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV016539.D
Acq: 05 Jun 2020 16:29

Tgt Ion: 91 Resp: 12930557
Ion Ratio Lower Upper
91 100
92 63.8 40.9 75.9





#44

trans-1,3-Dichloropropene

Concen: 1.135 ug/L

RT: 7.55 min Scan# 2009

Delta R.T. -0.12 min

Lab File: VV016539.D

Acq: 05 Jun 2020 16:29

Instrument :

MSVOA_V

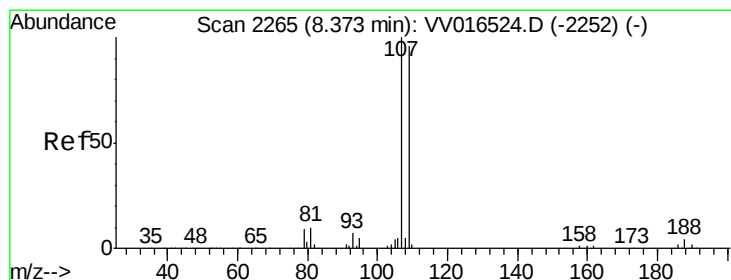
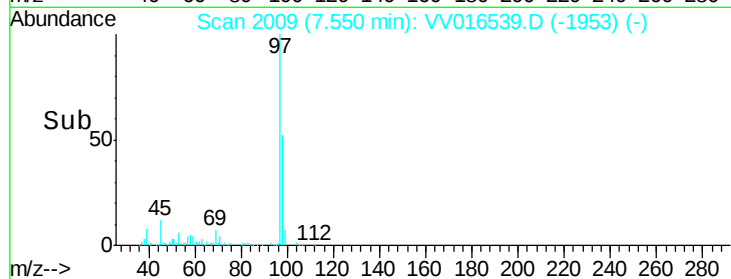
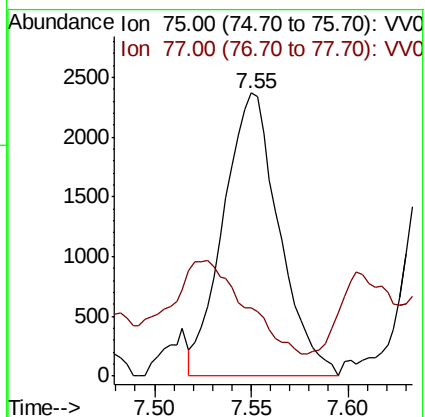
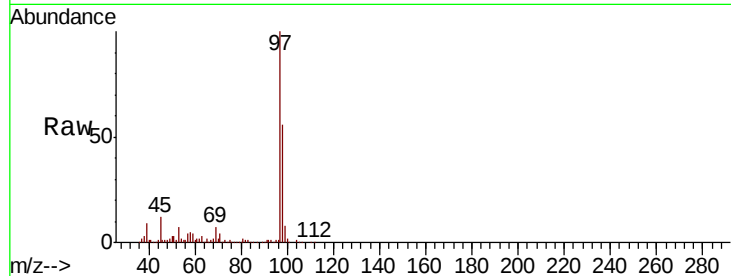
ClientSampleId :

Tot Ion: 75 Resp: 4739

Ion Ratio Lower Upper

75 100

77 24.0 22.2 41.2



#50

1,2-Dibromoethane

Concen: 9.283 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV016539.D

Acq: 05 Jun 2020 16:29

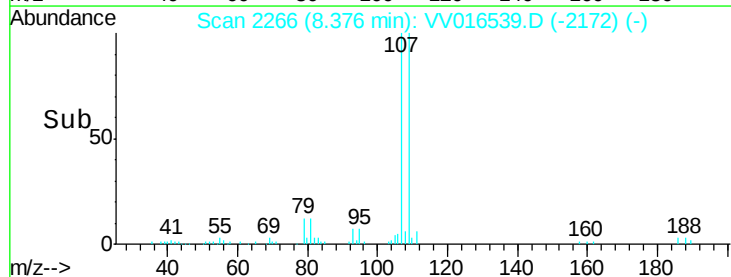
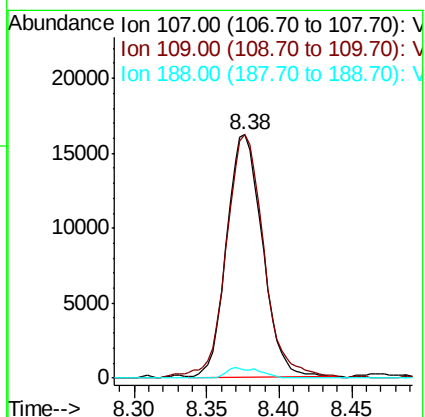
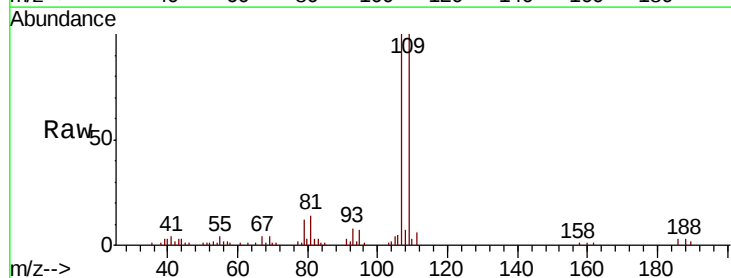
Tgt Ion: 107 Resp: 27715

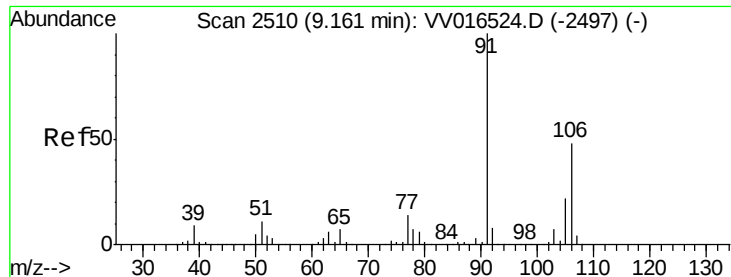
Ion Ratio Lower Upper

107 100

109 99.9 65.9 122.3

188 3.4 2.8 4.2





#53

m,p-Xylene

Concen: 316.175 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016539.D

Acq: 05 Jun 2020 16:29

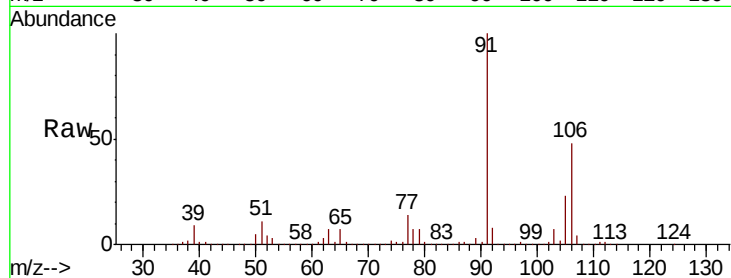
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 1539744

Ion Ratio Lower Upper

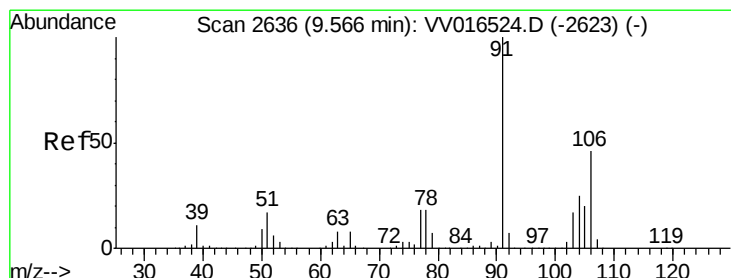
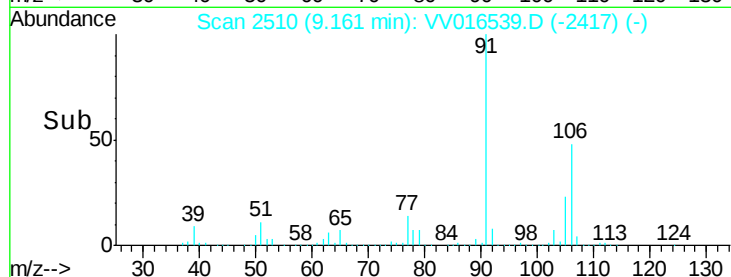
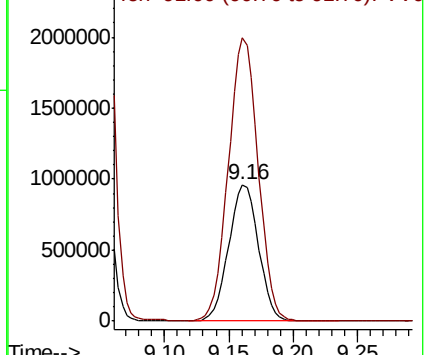
106 100

91 207.0 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 313.996 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV016539.D

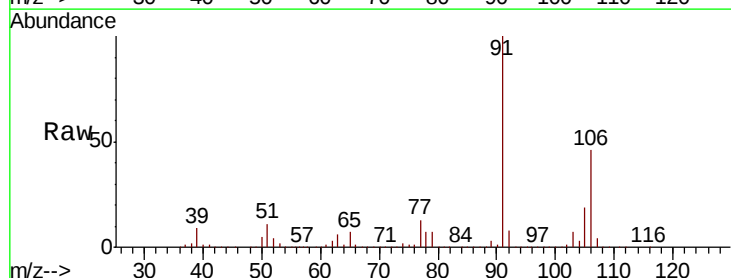
Acq: 05 Jun 2020 16:29

Tgt Ion:106 Resp: 1480945

Ion Ratio Lower Upper

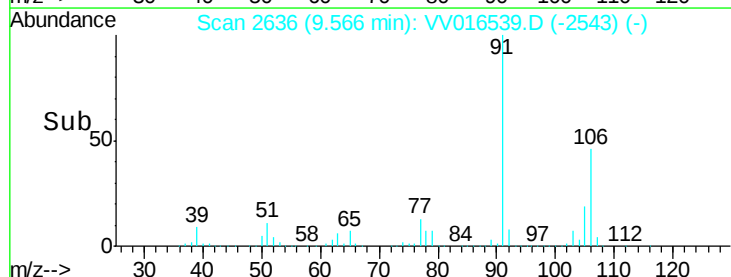
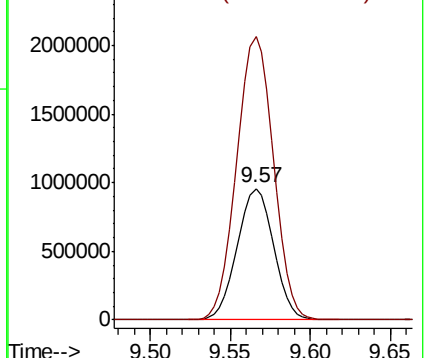
106 100

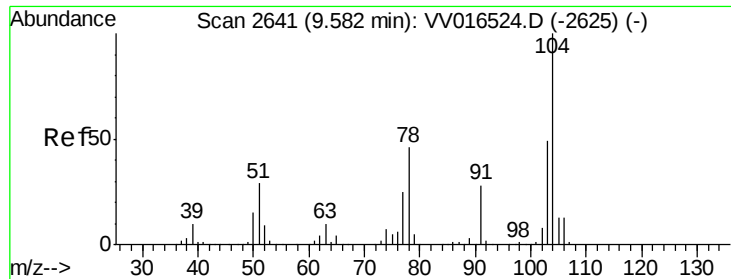
91 215.5 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

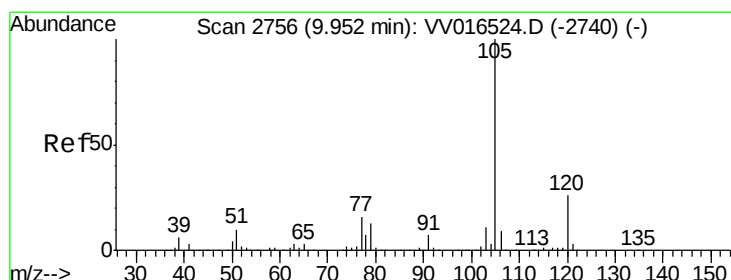
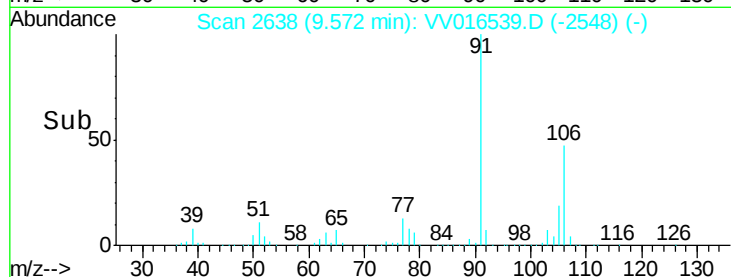
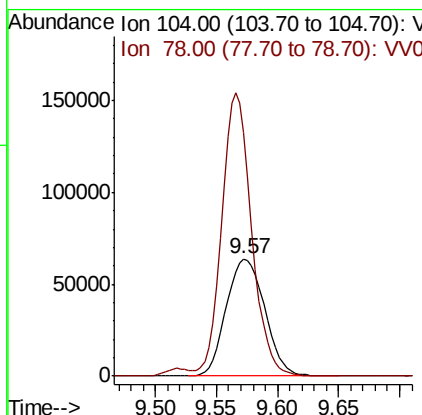
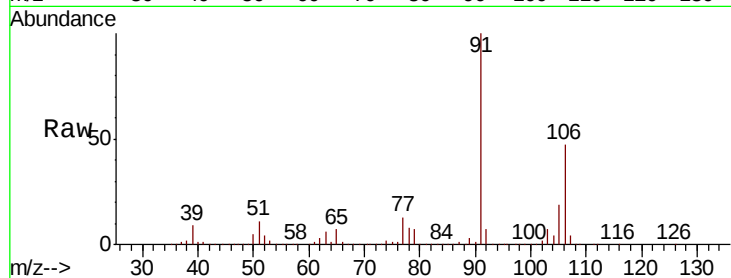




#55
Stvrene
Concen: 17.014 ug/L
RT: 9.57 min Scan# 2638
Delta R.T. -0.01 min
Lab File: VV016539.D
Acq: 05 Jun 2020 16:29

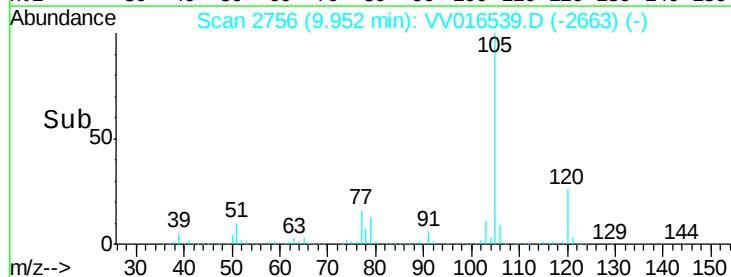
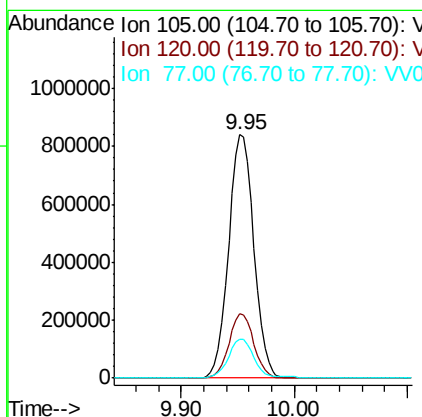
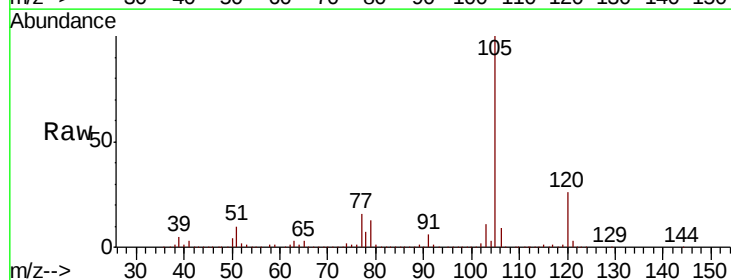
Instrument :
MSVOA_V
ClientSampleId :

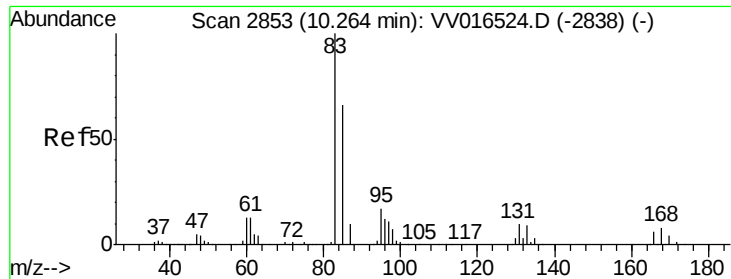
Tot Ion:104 Resp: 140578
Ion Ratio Lower Upper
104 100
78 207.9 31.9 59.3#



#56
Isopropylbenzene
Concen: 106.305 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV016539.D
Acq: 05 Jun 2020 16:29

Tgt Ion:105 Resp: 1302336
Ion Ratio Lower Upper
105 100
120 26.1 21.0 31.6
77 16.0 13.0 19.4

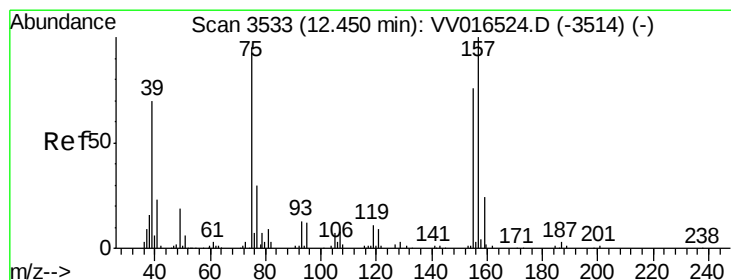
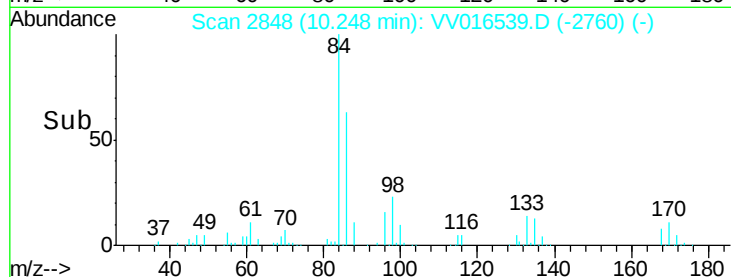
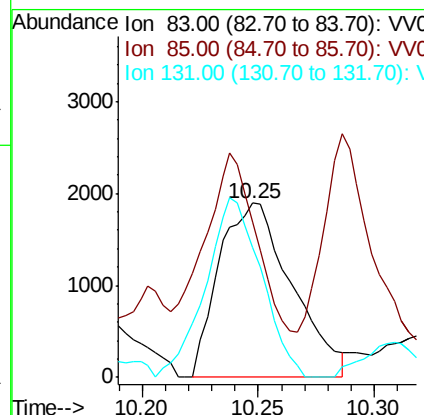
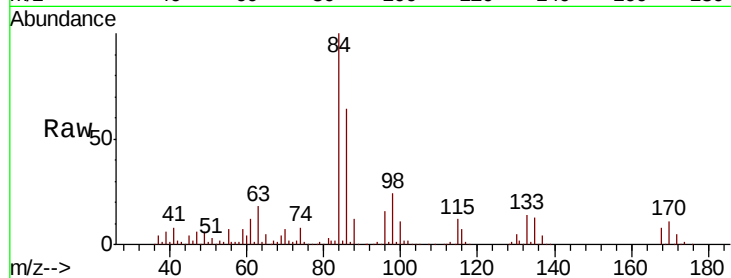




#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.914 ug/L
 RT: 10.25 min Scan# 2848
 Delta R.T. -0.02 min
 Lab File: VV016539.D
 Acq: 05 Jun 2020 16:29

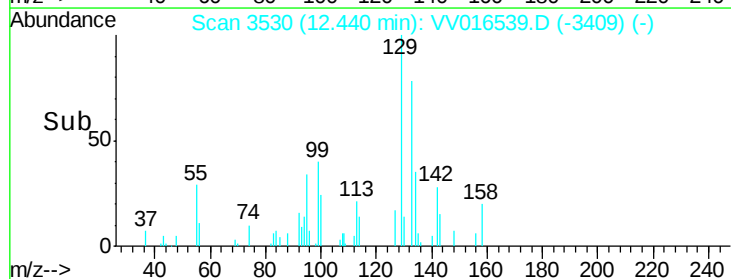
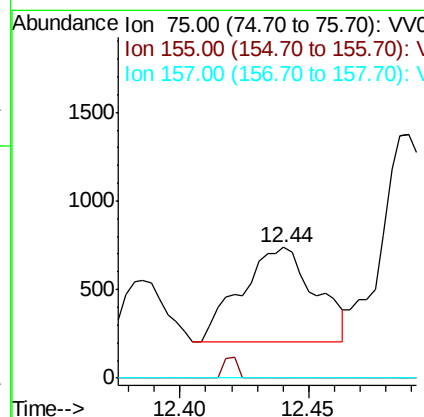
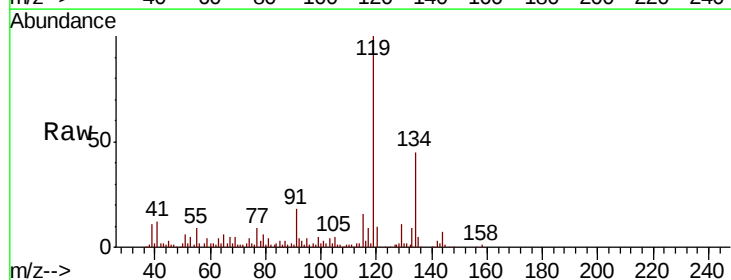
Instrument :
 MSVOA_V
 ClientSampleId :

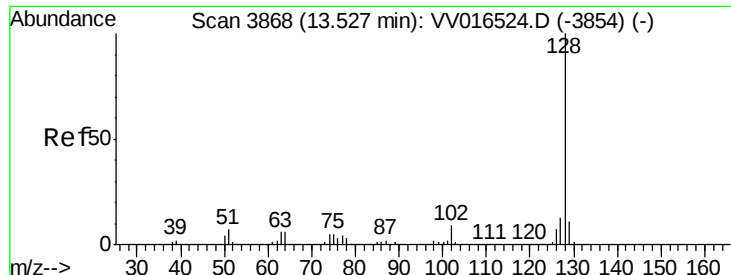
Tot Ion: 83 Resp: 4139
 Ion Ratio Lower Upper
 83 100
 85 88.8 44.0 81.6#
 131 74.5 7.6 11.4#



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.126 ug/L
 RT: 12.44 min Scan# 3530
 Delta R.T. -0.01 min
 Lab File: VV016539.D
 Acq: 05 Jun 2020 16:29

Tgt Ion: 75 Resp: 1056
 Ion Ratio Lower Upper
 75 100
 155 0.0 66.2 99.2#
 157 0.0 83.0 124.4#





#69

Naphthalene

Concen: 163.413 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV016539.D

Acq: 05 Jun 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 1918334

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 11.0 8.7 13.1

