

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 :
F9E44

Manual Integrations
APPROVED

sam
6/6/2020 11:33:47 AM

Quant Time: Jun 06 03:07:48 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

						Qvalue
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
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
50) 1,2-Dibromoethane	8.38	107	27715	9.283	ug/L	94
52) Ethylbenzene	9.04	91	16845017m	1304.279	ug/L	
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
56) Isopropylbenzene	9.95	105	1302336	106.305	ug/L	100

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

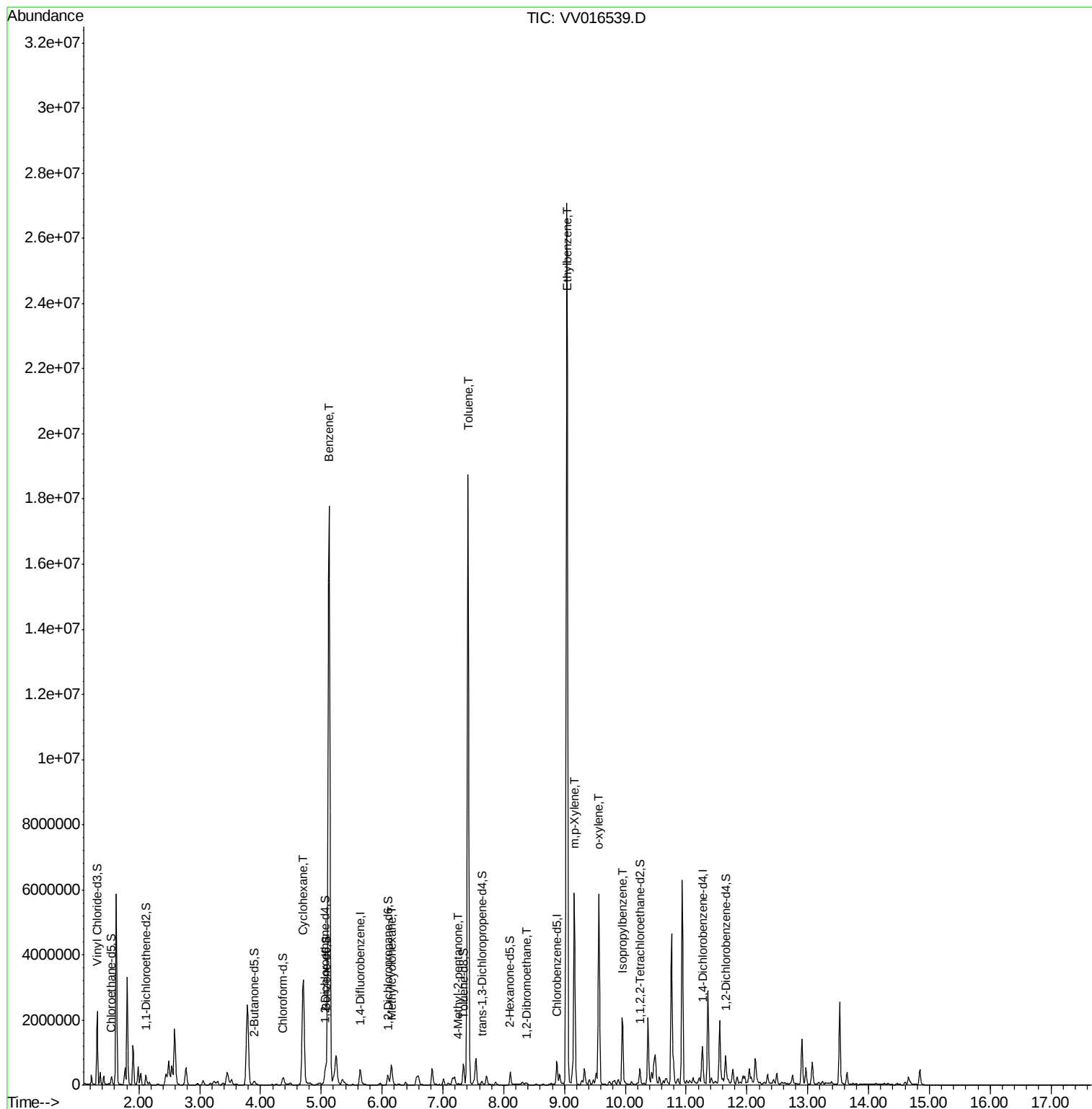
Data File : VV016539.D
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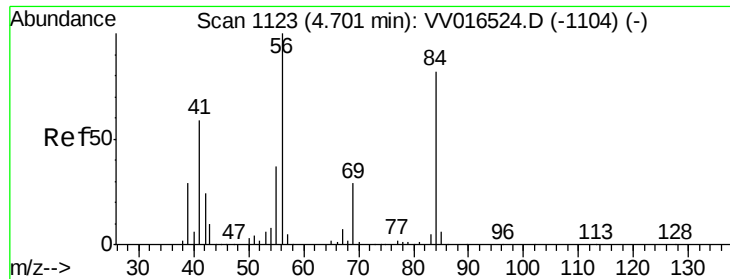
Instrument :
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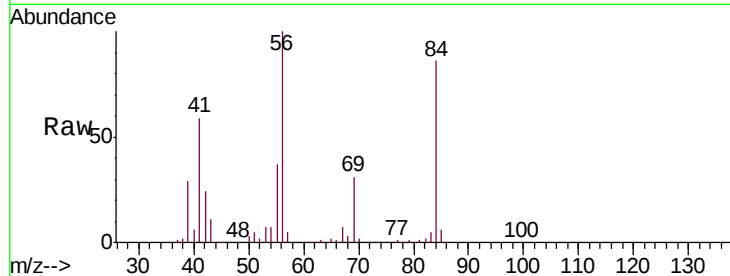
#29
Cyclohexane
Concen: 398.168 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV016539.D
Acq: 05 Jun 2020 16:29

Instrument :
MSVOA_V
ClientSampleId :
F9E44

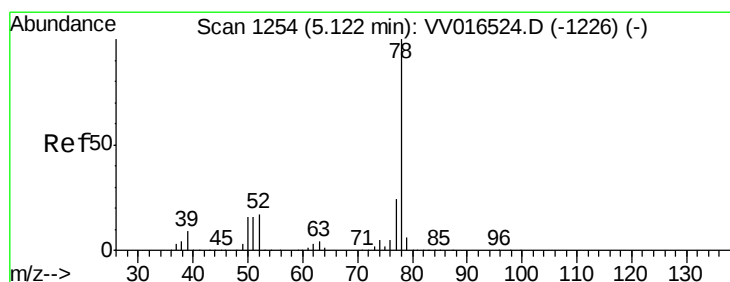
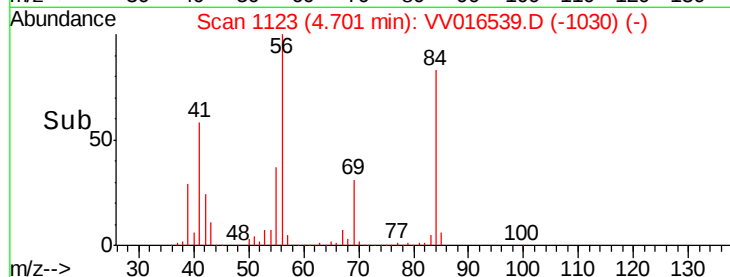
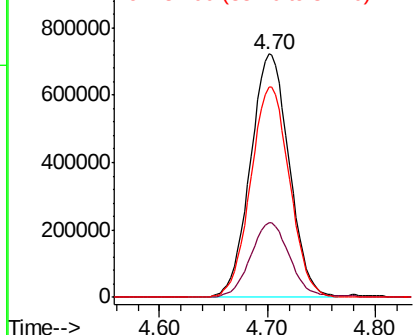
Tgt Ion: 56 Resp: 1799433
Ion Ratio Lower Upper
56 100
69 31.3 23.9 35.9
84 86.7 68.2 102.2

Manual Integrations
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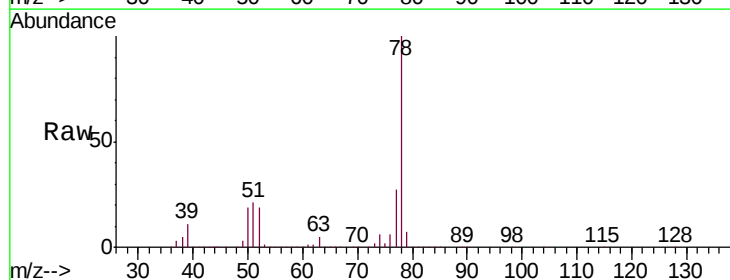


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

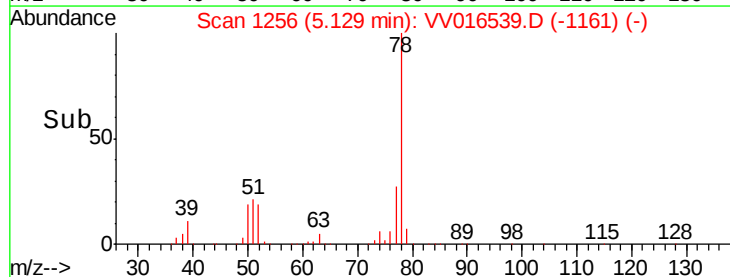
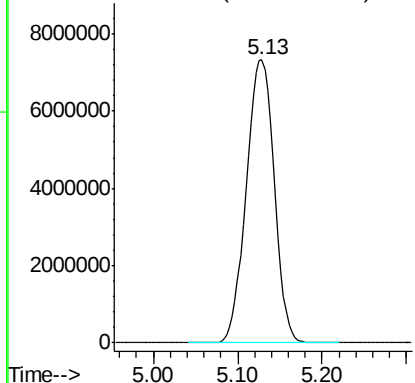


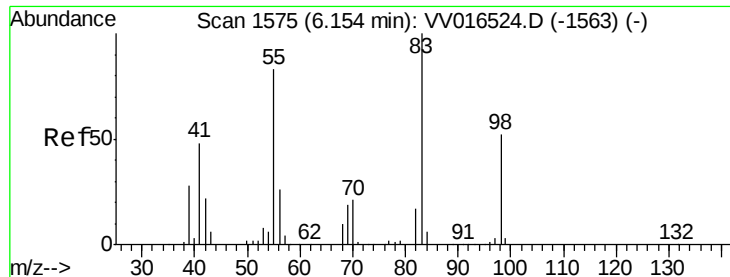
#33
Benzene
Concen: 1511.351 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV016539.D
Acq: 05 Jun 2020 16:29

Tgt Ion: 78 Resp:16924818



Abundance Ion 78.00 (77.70 to 78.70): VV0





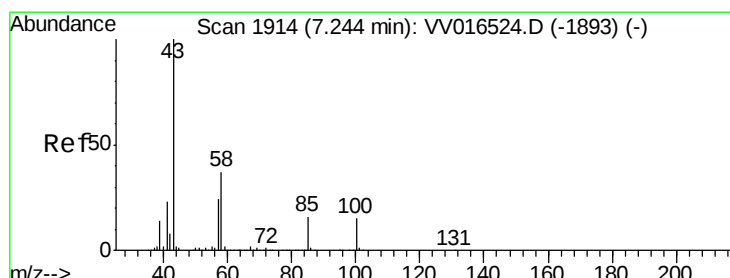
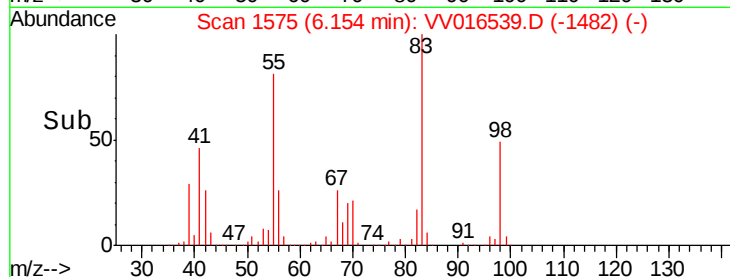
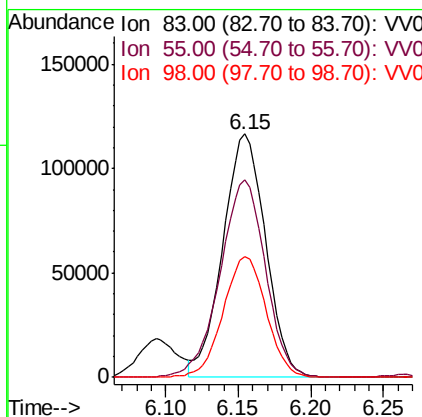
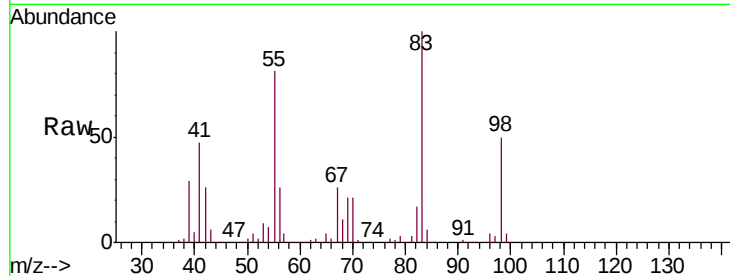
#35
Methylcyclohexane
Concen: 56.536 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV016539.D
Acq: 05 Jun 2020 16:29

Instrument :
MSVOA_V
ClientSampled :
F9E44

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

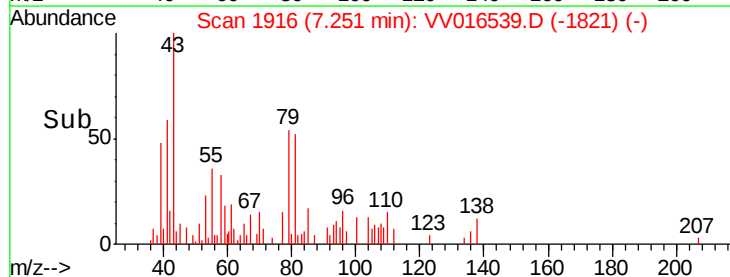
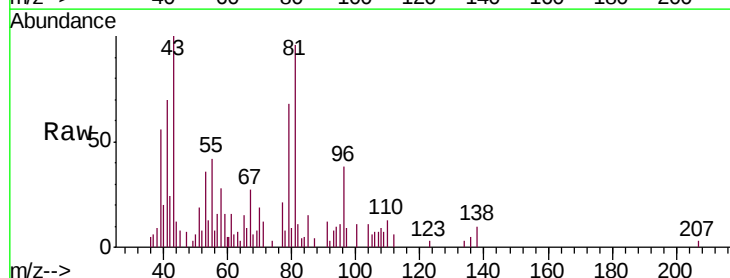
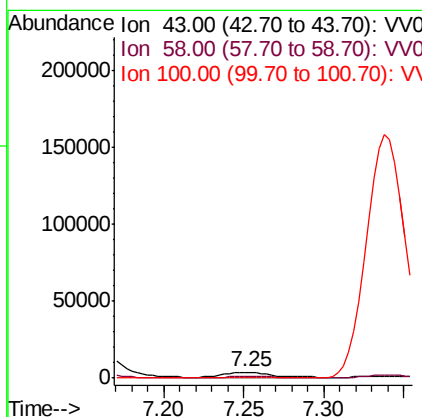
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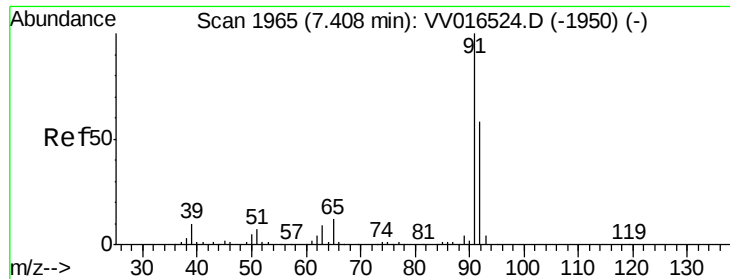
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#40
4-Methyl-2-pentanone
Concen: 1.703 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VV016539.D
Acq: 05 Jun 2020 16:29

Tgt Ion	Ratio	Resp Lower	Resp 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

Instrument :

MSVOA_V

ClientSampleId :

F9E44

Tgt Ion: 91 Resp:12930557

Ion Ratio Lower Upper

91 100

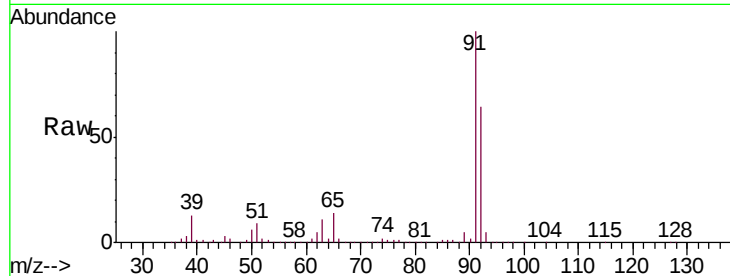
92 63.8 40.9 75.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VV016524.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV016524.D (-1950) (-)

7.41

8000000

6000000

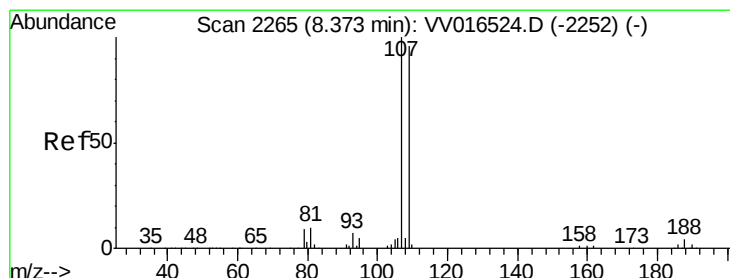
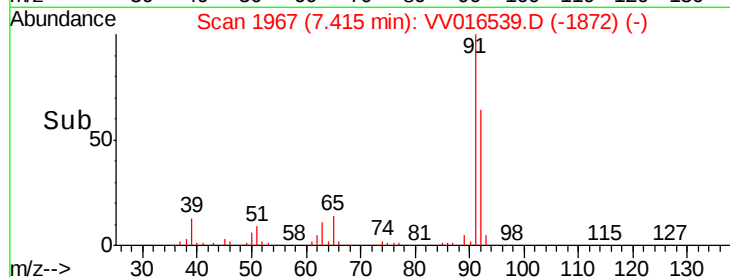
4000000

2000000

0

7.30 7.40 7.50 7.60

Time-->



#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

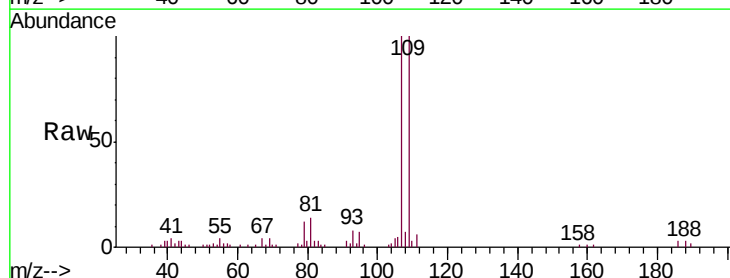
Tgt Ion:107 Resp: 27715

Ion Ratio Lower Upper

107 100

109 99.9 65.9 122.3

188 3.4 2.8 4.2



Abundance Ion 107.00 (106.70 to 107.70): VV016524.D (-2252) (-)

Ion 109.00 (108.70 to 109.70): VV016524.D (-2252) (-)

Ion 188.00 (187.70 to 188.70): VV016524.D (-2252) (-)

8.38

20000

15000

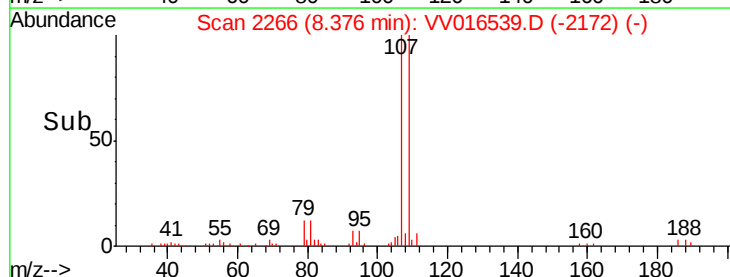
10000

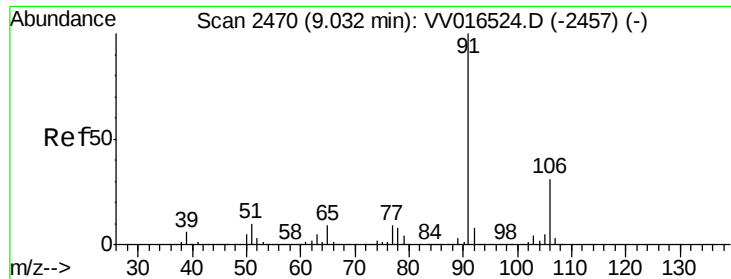
5000

0

8.30 8.35 8.40 8.45

Time-->





#52

Ethylbenzene

Concen: 1304.279 ug/L m

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016539.D

Acq: 05 Jun 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

F9E44

Tgt Ion: 91 Resp:16845017

Ion Ratio Lower Upper

91 100

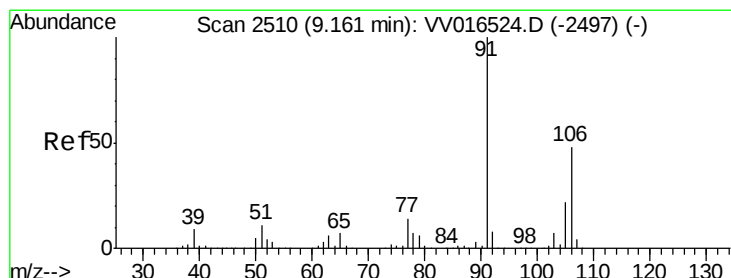
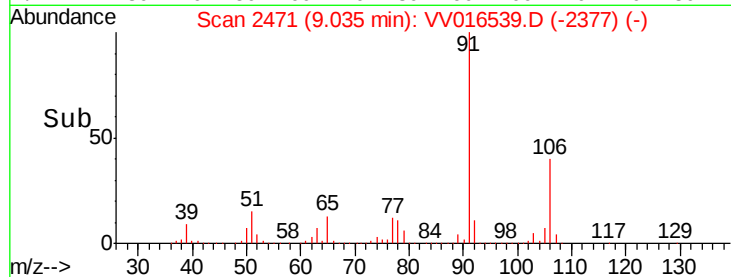
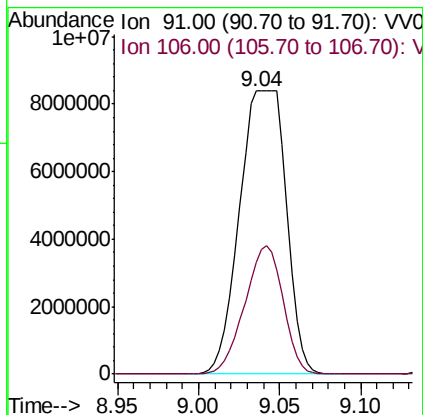
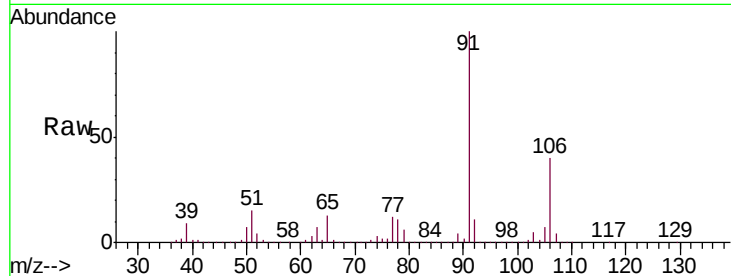
106 39.7 21.8 40.4

Manual Integrations

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#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

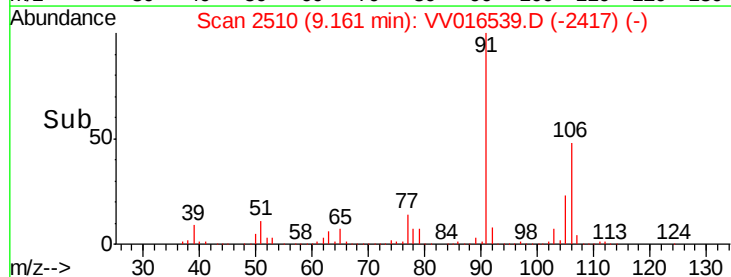
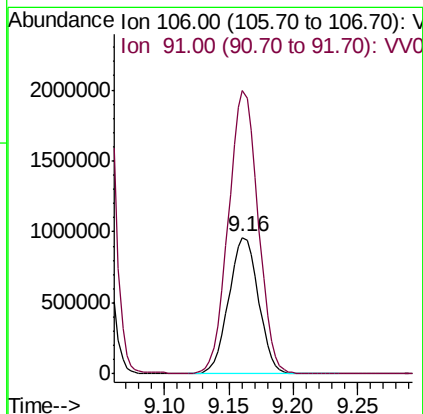
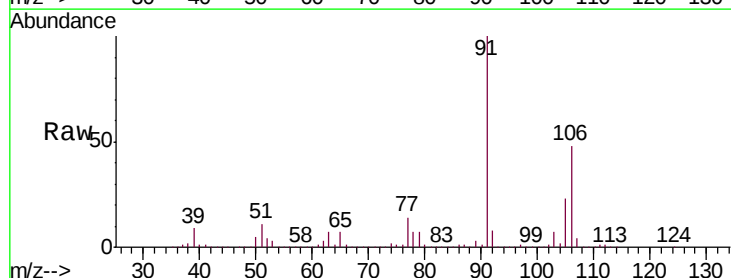
Acq: 05 Jun 2020 16:29

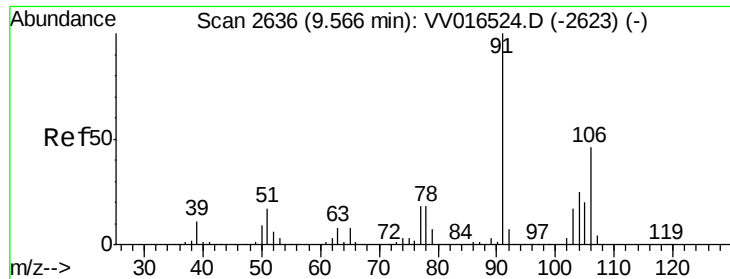
Tgt Ion:106 Resp: 1539744

Ion Ratio Lower Upper

106 100

91 207.0 142.5 264.6





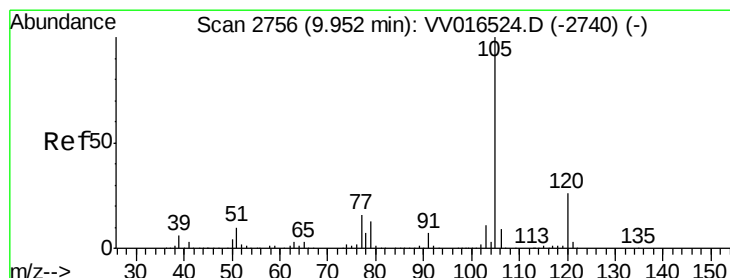
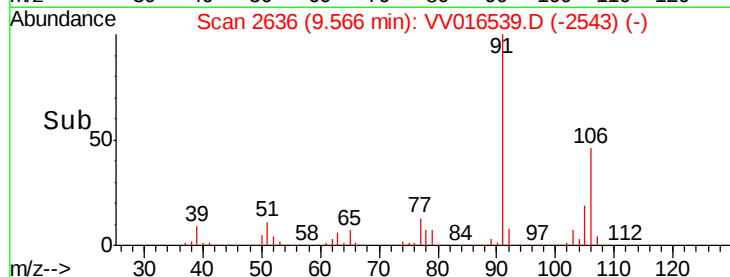
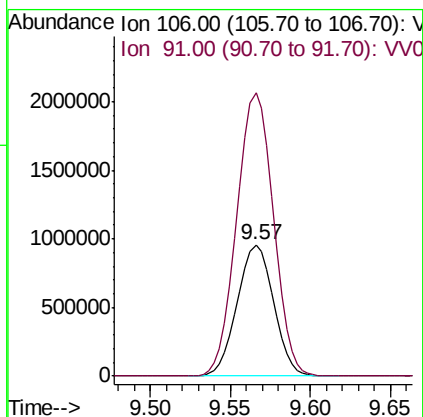
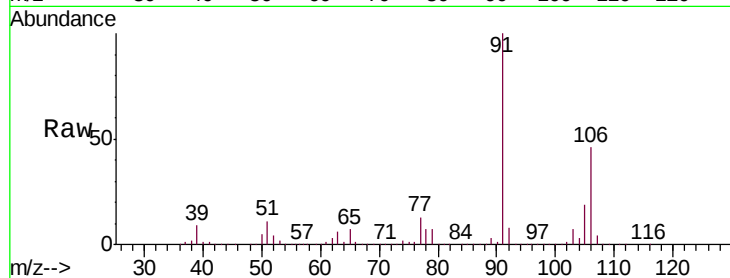
#54
o-xylene
Concen: 313.996 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV016539.D
Acq: 05 Jun 2020 16:29

Instrument :
MSVOA_V
ClientSampled :
F9E44

Tgt Ion:106 Resp: 1480945
Ion Ratio Lower Upper
106 100
91 215.5 152.5 283.1

Manual Integrations
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#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

