

Data File : VV016540.D
Acq On : 05 Jun 2020 16:53
Operator : SY/MD
Sample : L2861-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9E45

Manual Integrations
APPROVED

sam
6/6/2020 11:32:38 AM

Quant Time: Jun 06 03:42:27 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	409429	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	392256	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	201167	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	112774	38.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.78%
7) Chloroethane-d5	1.56	69	82218	39.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.54%
11) 1,1-Dichloroethene-d2	2.12	63	153652	29.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.78%#
21) 2-Butanone-d5	3.90	46	162280	87.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.52%
24) Chloroform-d	4.37	84	229393	42.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.30%
26) 1,2-Dichloroethane-d4	5.06	65	167620	46.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.00%
32) Benzene-d6	5.08	84	462352	44.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.09	67	141507	43.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.44%
41) Toluene-d8	7.34	98	428661	44.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.84%
43) trans-1,3-Dichloropropene-	7.64	79	65391	40.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.96%
47) 2-Hexanone-d5	8.11	63	133363	95.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.11%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	184362	41.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.04%
64) 1,2-Dichlorobenzene-d4	11.65	152	178402	47.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.38%

Target Compounds

						Qvalue
29) Cyclohexane	4.70	56	1324895	284.583	ug/L	99
33) Benzene	5.13	78	16993683	1473.076	ug/L	100
35) Methylcyclohexane	6.15	83	146773	33.780	ug/L	95
40) 4-Methyl-2-pentanone	7.25	43	6812	1.646	ug/L #	91
42) Toluene	7.41	91	12915730	1056.566	ug/L	93
50) 1,2-Dibromoethane	8.38	107	28730	9.341	ug/L #	98
52) Ethylbenzene	9.04	91	16373685m	1230.671	ug/L	
53) m,p-Xylene	9.16	106	1372492	273.580	ug/L	99
54) o-xylene	9.57	106	1348745	277.595	ug/L	99
56) Isopropylbenzene	9.95	105	1008577	79.917	ug/L	100

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

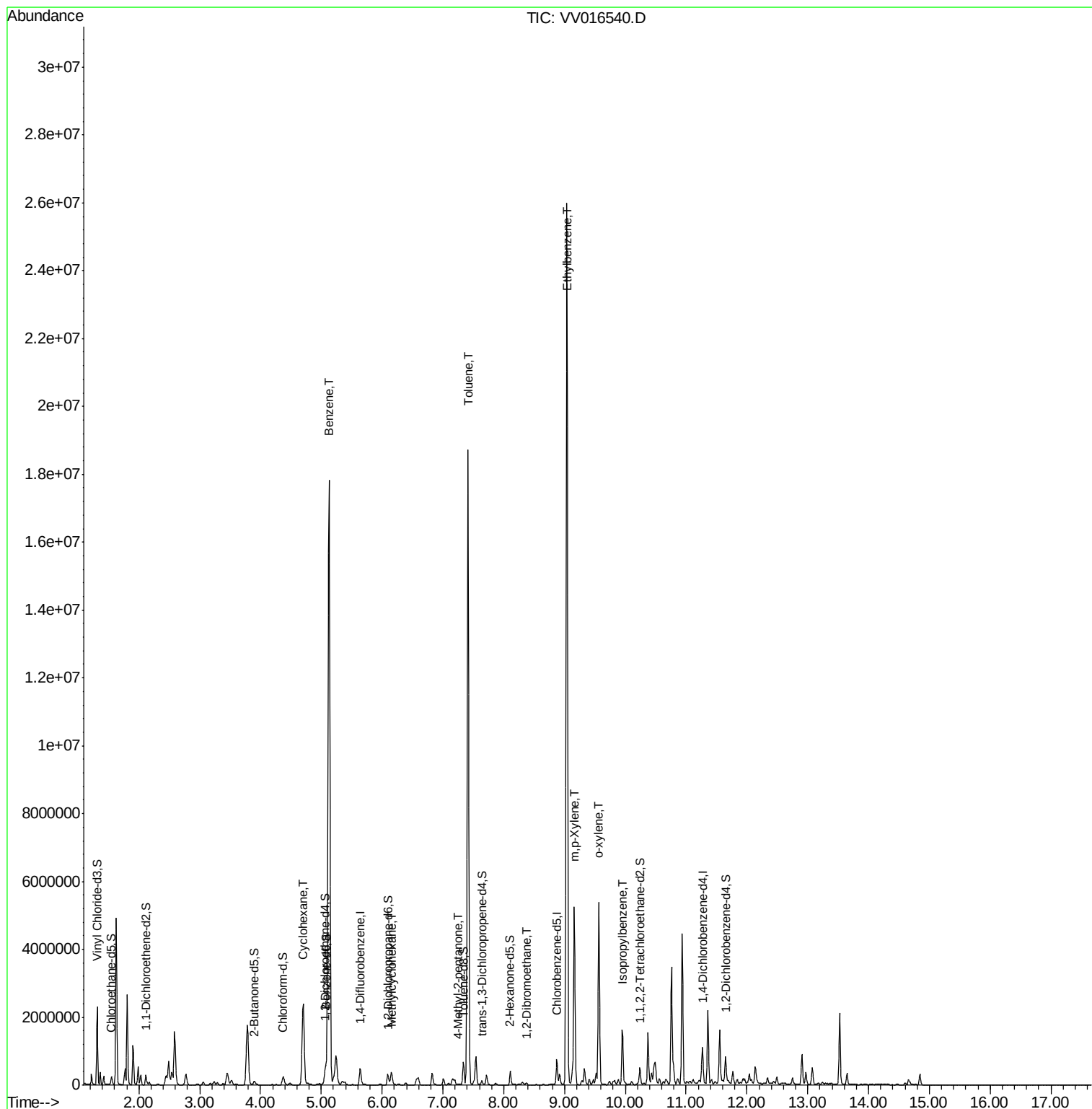
Data File : VV016540.D
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Misc : 5.0mL/MSVOA_V/WATER
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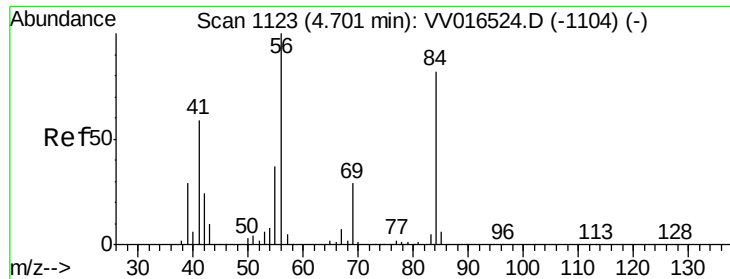
Instrument :
MSVOA_V
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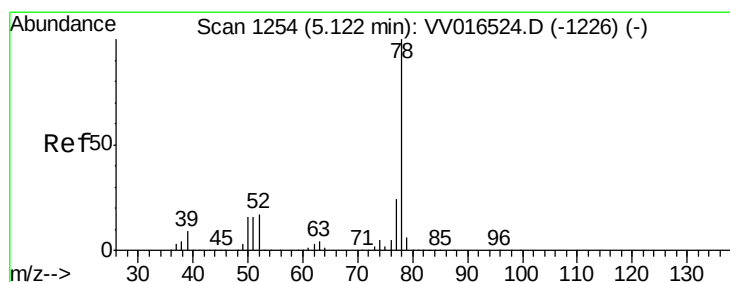
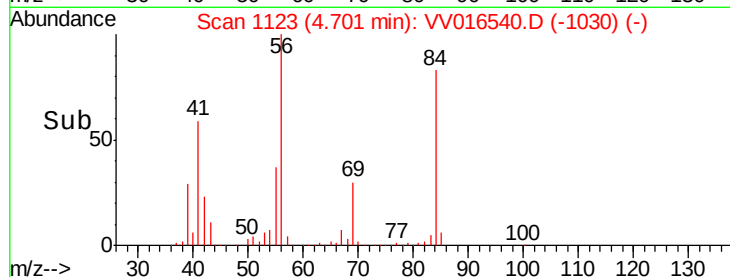
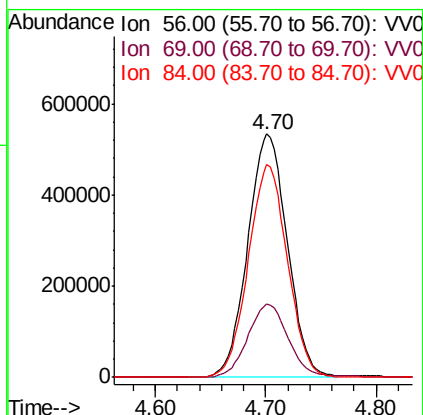
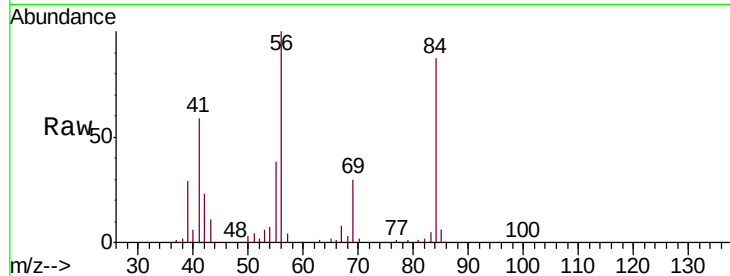
#29
Cyclohexane
Concen: 284.583 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV016540.D
Acq: 05 Jun 2020 16:53

Instrument :
MSVOA_V
ClientSampleId :
F9E45

Tgt Ion: 56 Resp: 1324895
Ion Ratio Lower Upper
56 100
69 30.9 23.9 35.9
84 86.4 68.2 102.2

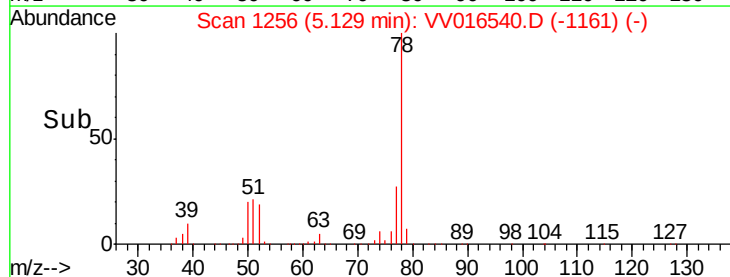
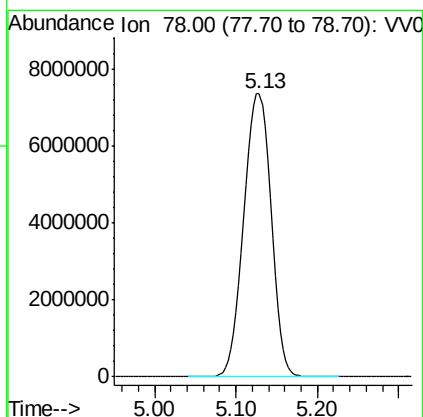
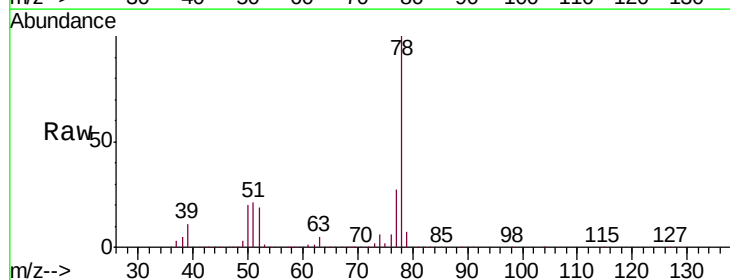
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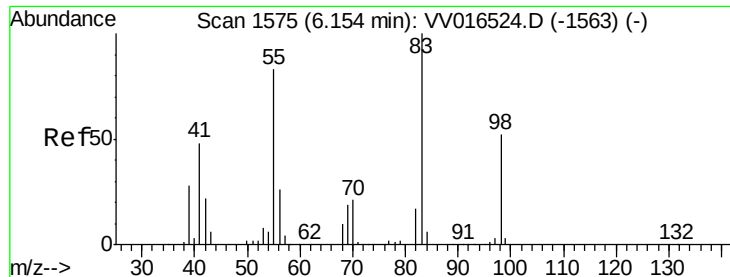
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#33
Benzene
Concen: 1473.076 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV016540.D
Acq: 05 Jun 2020 16:53

Tgt Ion: 78 Resp: 16993683





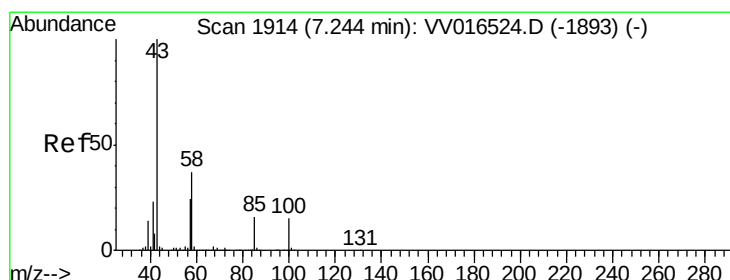
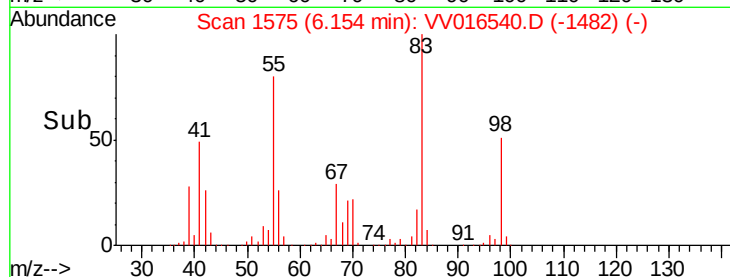
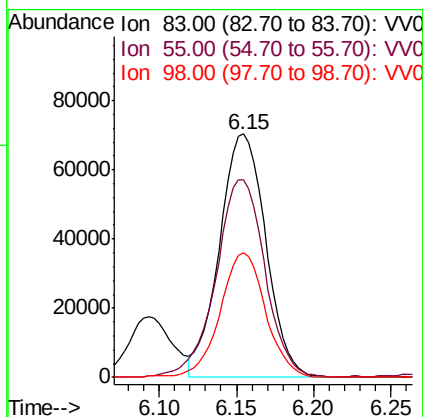
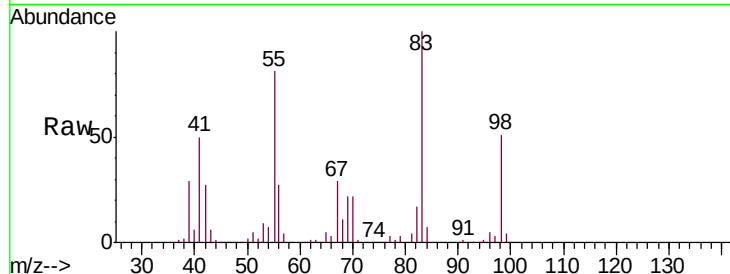
#35
Methylcyclohexane
Concen: 33.780 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV016540.D
Acq: 05 Jun 2020 16:53

Instrument :
MSVOA_V
ClientSampled :
F9E45

Tgt Ion:	83	Resp:	146773
Ion	Ratio	Lower	Upper
83	100		
55	84.9	63.4	95.0
98	50.4	39.4	59.0

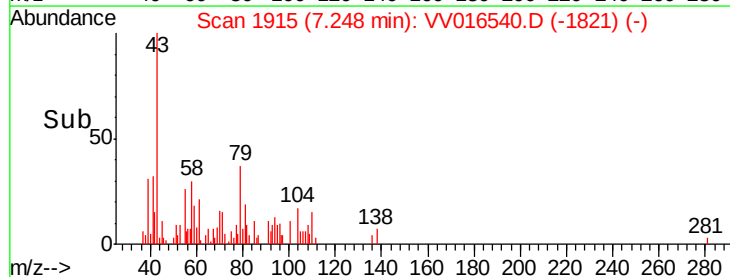
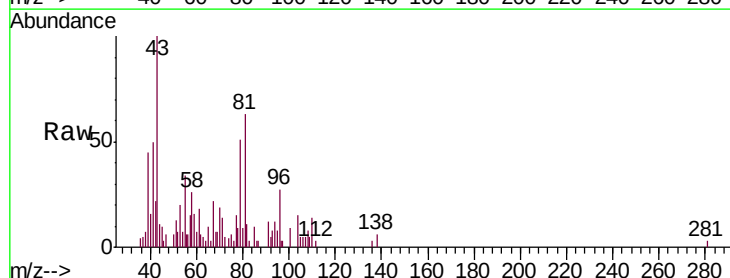
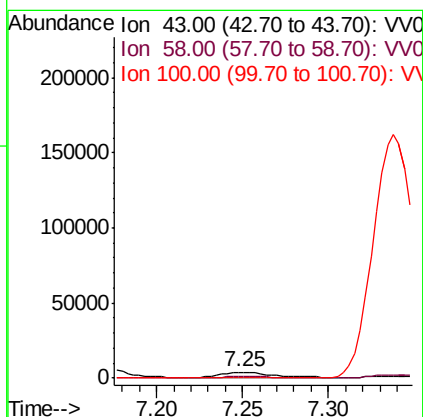
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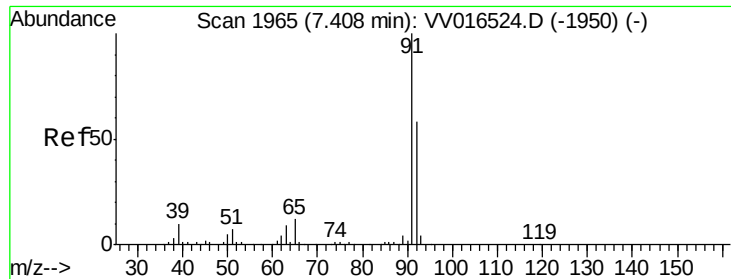
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#40
4-Methyl-2-pentanone
Concen: 1.646 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VV016540.D
Acq: 05 Jun 2020 16:53

Tgt Ion:	43	Resp:	6812
Ion	Ratio	Lower	Upper
43	100		
58	34.5	29.9	44.9
100	7.0	11.9	17.9





#42

Toluene

Concen: 1056.566 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV016540.D

Acq: 05 Jun 2020 16:53

Instrument :

MSVOA_V

ClientSampleId :

F9E45

Tgt Ion: 91 Resp: 12915730

Ion Ratio Lower Upper

91 100

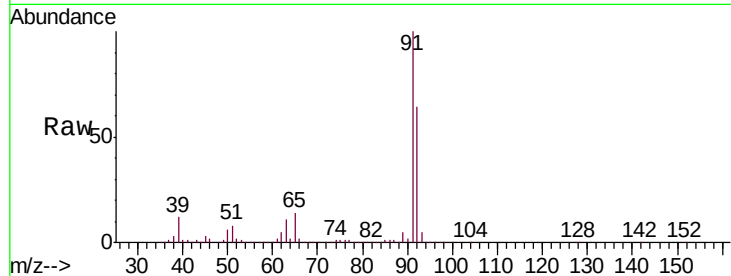
92 63.6 40.9 75.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VV016540.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV016540.D (-1950) (-)

7.41

6000000

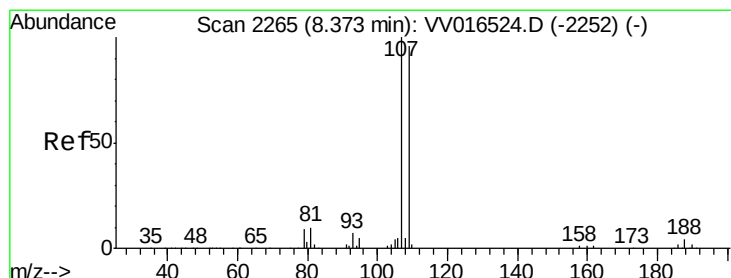
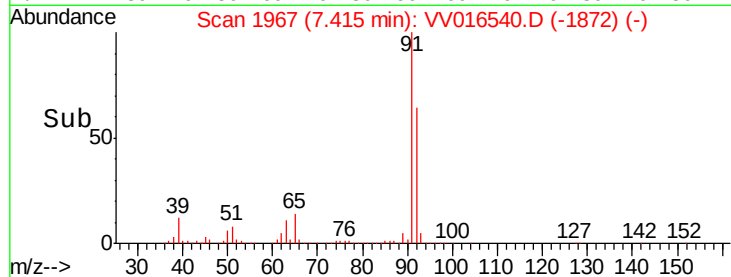
4000000

2000000

0

7.30 7.40 7.50

Time-->



#50

1,2-Dibromoethane

Concen: 9.341 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV016540.D

Acq: 05 Jun 2020 16:53

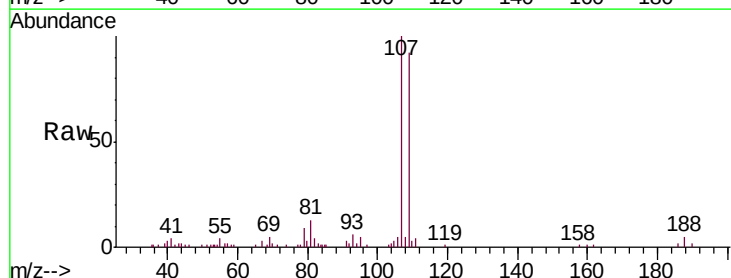
Tgt Ion: 107 Resp: 28730

Ion Ratio Lower Upper

107 100

109 91.7 65.9 122.3

188 4.6 2.8 4.2#



Abundance Ion 107.00 (106.70 to 107.70): VV016540.D (-2252) (-)

Ion 109.00 (108.70 to 109.70): VV016540.D (-2252) (-)

Ion 188.00 (187.70 to 188.70): VV016540.D (-2252) (-)

8.38

20000

15000

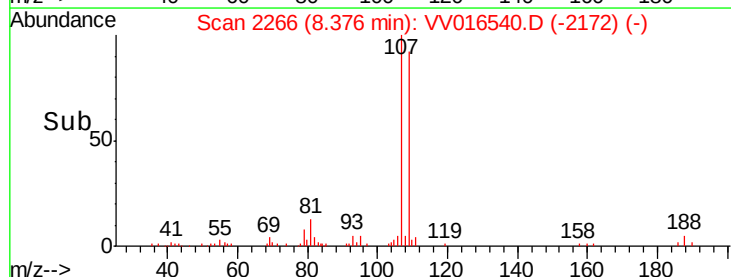
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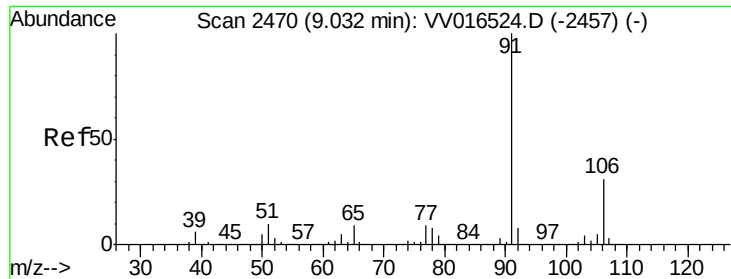
5000

0

8.30 8.35 8.40 8.45

Time-->





#52

Ethylbenzene

Concen: 1230.671 ug/L m

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016540.D

Acq: 05 Jun 2020 16:53

Instrument :

MSVOA_V

ClientSampleId :

F9E45

Tgt Ion: 91 Resp:16373685

Ion Ratio Lower Upper

91 100

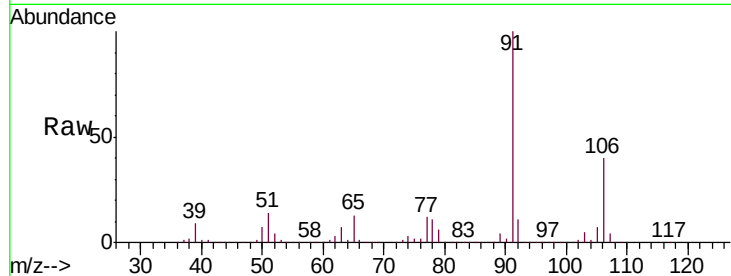
106 39.9 21.8 40.4

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Abundance Ion 91.00 (90.70 to 91.70): VV016540.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV016540.D (-2457) (-)

9.04

8000000

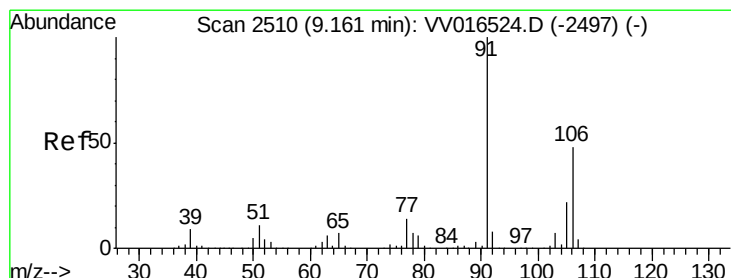
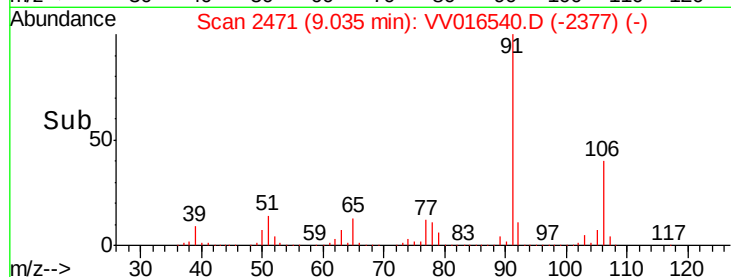
6000000

4000000

2000000

0

Time-->



#53

m,p-Xylene

Concen: 273.580 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016540.D

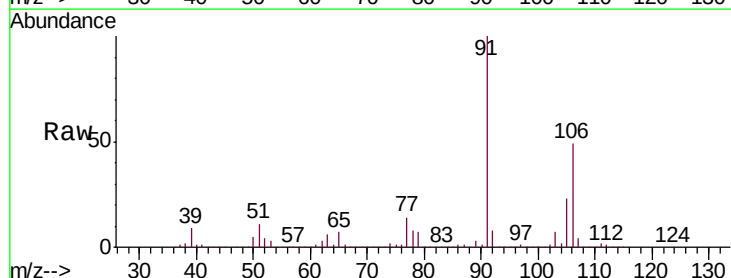
Acq: 05 Jun 2020 16:53

Tgt Ion:106 Resp: 1372492

Ion Ratio Lower Upper

106 100

91 204.9 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): VV016540.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV016540.D (-2497) (-)

9.16

2000000

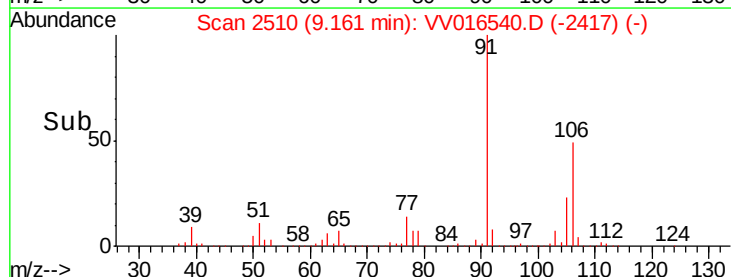
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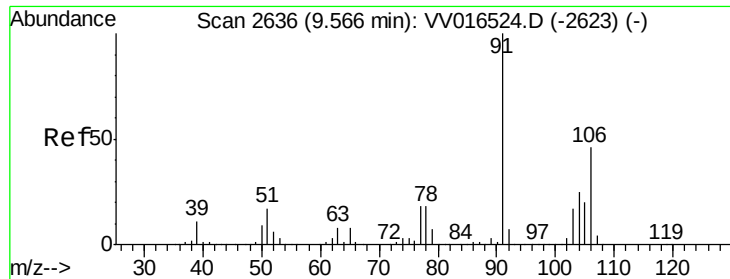
1000000

500000

0

Time-->





#54

o-xylene

Concen: 277.595 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016540.D

Acq: 05 Jun 2020 16:53

Instrument :

MSVOA_V

ClientSampled :

F9E45

Tgt Ion:106 Resp: 1348745

Ion Ratio Lower Upper

106 100

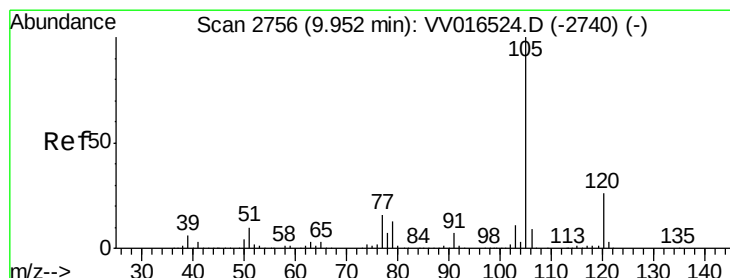
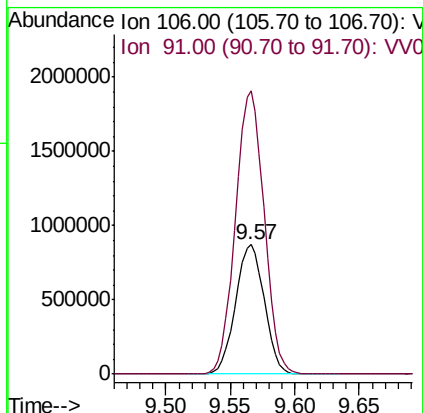
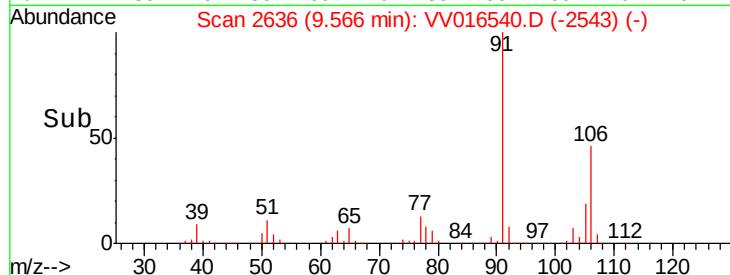
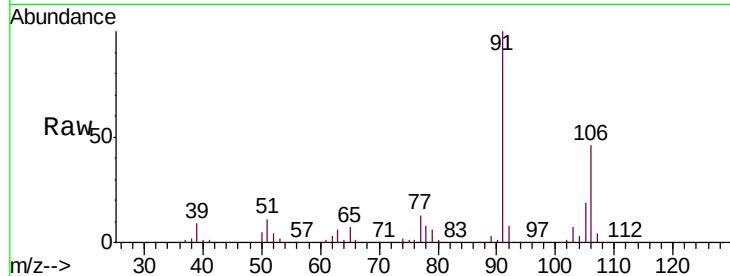
91 218.7 152.5 283.1

Manual Integrations

APPROVED

sam

6/6/2020 11:32:38 AM



#56

Isopropylbenzene

Concen: 79.917 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016540.D

Acq: 05 Jun 2020 16:53

Tgt Ion:105 Resp: 1008577

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

77 16.2 13.0 19.4

