

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 :
F9D74

Manual Integrations
APPROVED

sam
6/6/2020 11:33:15 AM

Quant Time: Jun 06 06:59:47 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

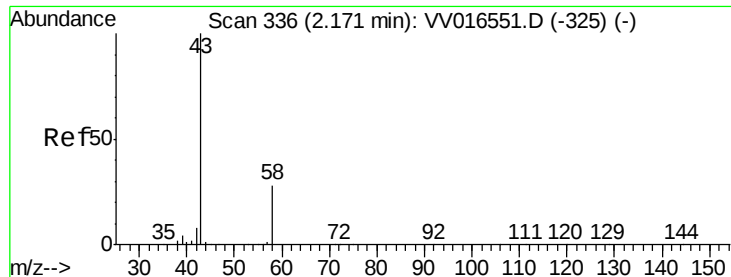
					Qvalue
13) Acetone	2.17	43	3020	1.832 ug/L	65
27) 1,2-Dichloroethane	5.15	62	92426m	21.513 ug/L	
29) Cyclohexane	4.70	56	81408	18.622 ug/L	98
33) Benzene	5.12	78	5660088	522.519 ug/L	100
35) Methylcyclohexane	6.15	83	6287	1.541 ug/L #	30
42) Toluene	7.41	91	9091	0.792 ug/L	92
52) Ethylbenzene	9.04	91	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

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

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Chromatogram plot showing Abundance vs. Time (min). The y-axis ranges from 0 to 7,000,000. The x-axis ranges from 0 to 17.00 minutes. Numerous peaks are labeled with chemical names and retention times. The most prominent peak is Benzene, T at approximately 5.1 minutes.

Retention Time (min)	Chemical Name
1.5	Vinyl Chloride-d3, S
1.8	Chloroethane-d5, S
2.1	Acetone, T
2.5	1,1-Dichloroethene-d2, S
3.8	2-Butanone-d5, S
4.5	Chloroform-d, S
4.8	Cyclohexane, T
5.1	Benzene, T
5.2	1,2-Dichloroethane, T
5.3	1,1,2,2-Tetrachloroethane-d4, S
5.5	1,1,1,2-Tetrachloroethane-d2, S
5.6	1,1,2,2-Tetrachloroethane-d2, S
5.7	1,1,1,2-Tetrachloroethane-d2, S
5.8	1,1,1,2-Tetrachloroethane-d2, S
5.9	1,1,1,2-Tetrachloroethane-d2, S
6.1	1,4-Difluorobenzene, I
6.2	Methylenecyclopropane-d6, S
7.5	Toluene, T
7.6	trans-1,3-Dichloropropene-d4, S
8.1	2-Hexanone-d5, S
9.1	Chlorobenzene-d5, I
9.2	Ethylbenzene, T
9.3	m,p-Xylene, T
10.1	Isopropylbenzene, T
11.4	1,4-Dichlorobenzene-d4, I
11.6	1,2-Dichlorobenzene-d4, S



#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 :

F9D74

Tgt Ion: 43 Resp: 3020

Ion Ratio Lower Upper

43 100

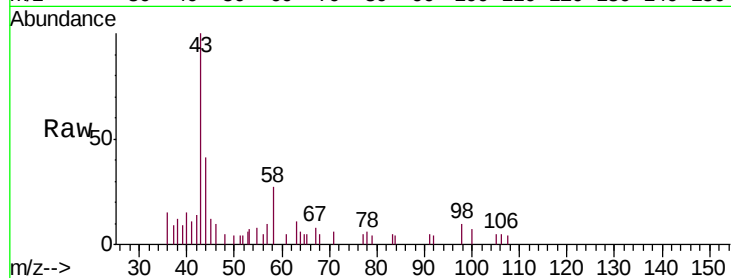
58 47.4 0.0 57.2

Manual Integrations

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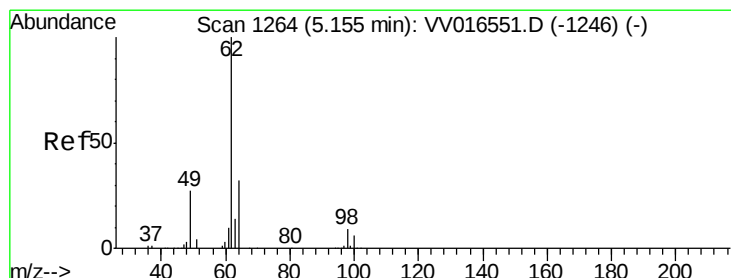
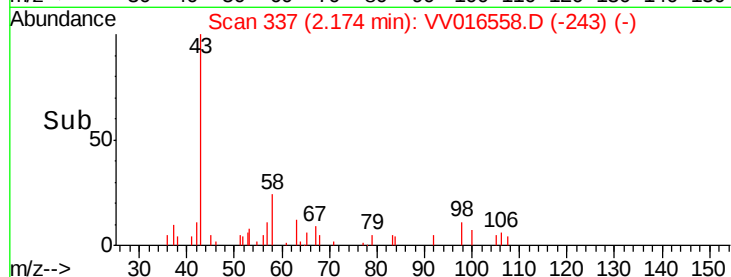
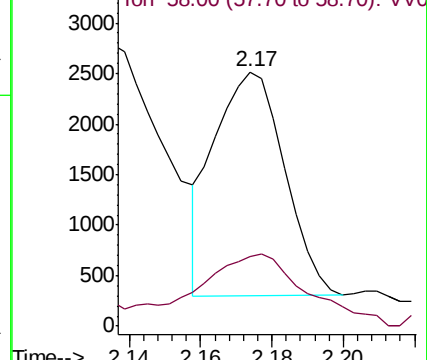
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Abundance Ion 43.00 (42.70 to 43.70): VV016551.D

Ion 58.00 (57.70 to 58.70): VV016551.D



#27

1,2-Dichloroethane

Concen: 21.513 ug/L m

RT: 5.15 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VV016558.D

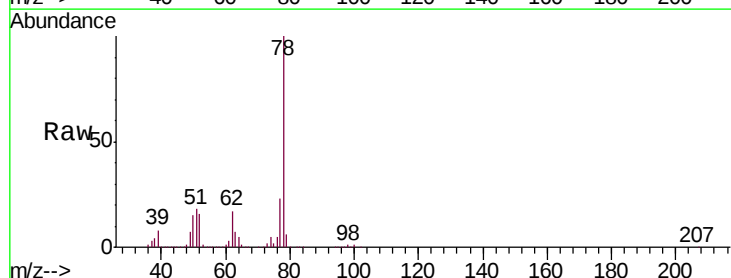
Acq: 06 Jun 2020 00:53

Tgt Ion: 62 Resp: 92426

Ion Ratio Lower Upper

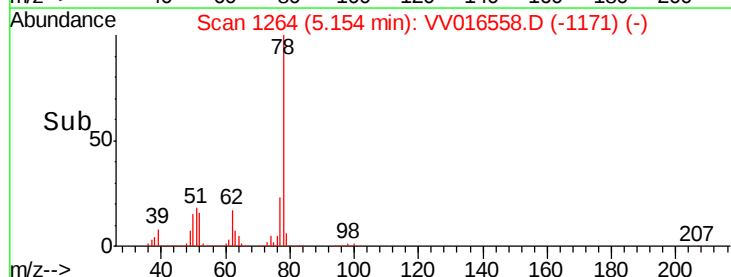
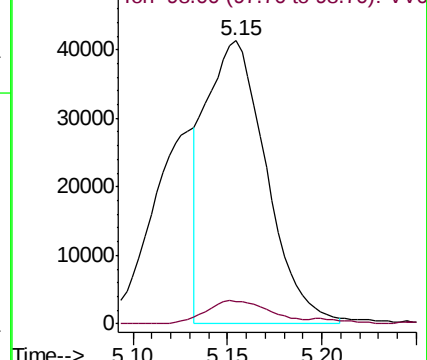
62 100

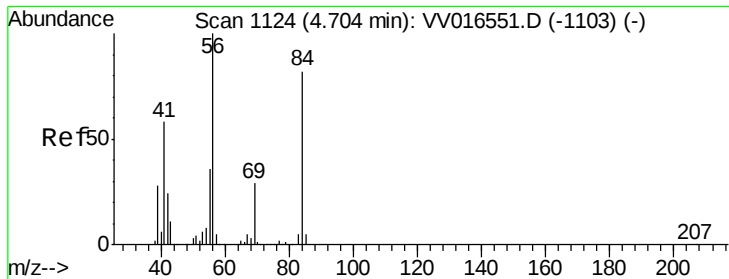
98 8.0 6.9 10.3



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

Ion 98.00 (97.70 to 98.70): VV016551.D





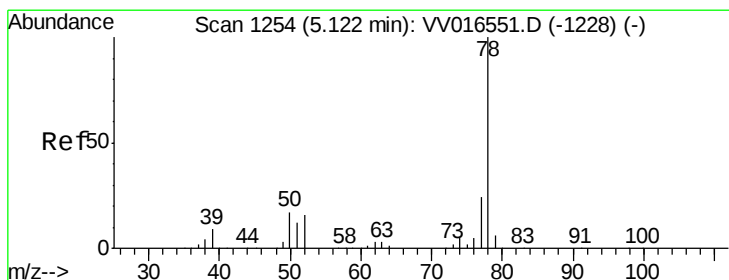
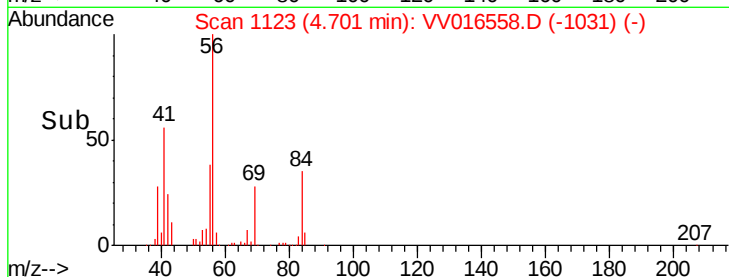
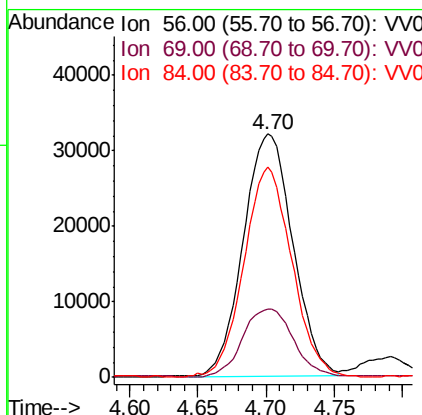
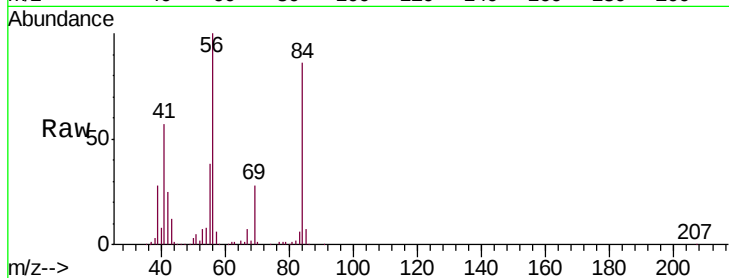
#29
Cyclohexane
Concen: 18.622 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV016558.D
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Tgt Ion: 56 Resp: 81408
Ion Ratio Lower Upper
56 100
69 29.0 23.9 35.9
84 83.9 68.2 102.2

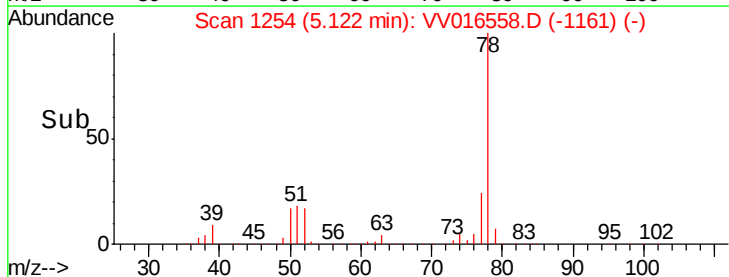
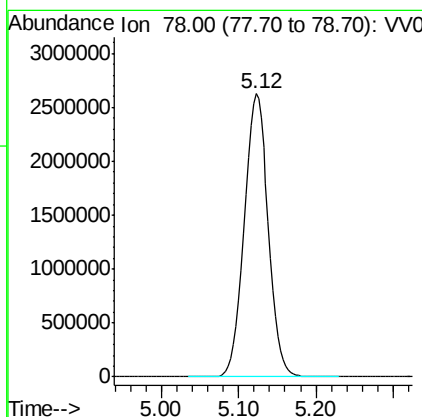
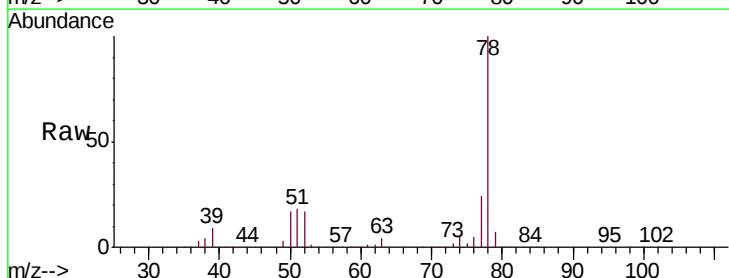
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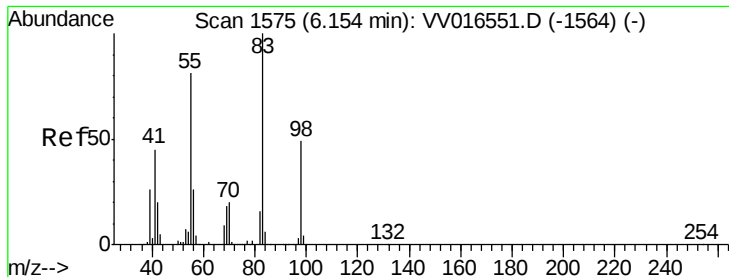
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#33
Benzene
Concen: 522.519 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV016558.D
Acq: 06 Jun 2020 00:53

Tgt Ion: 78 Resp: 5660088





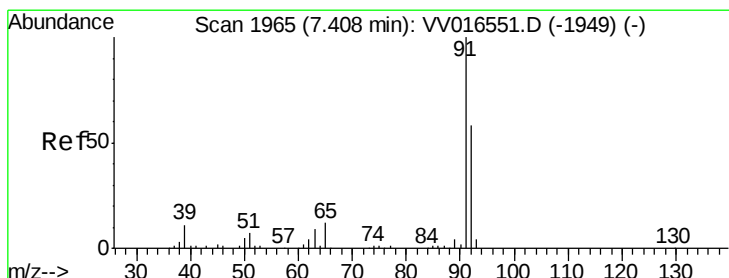
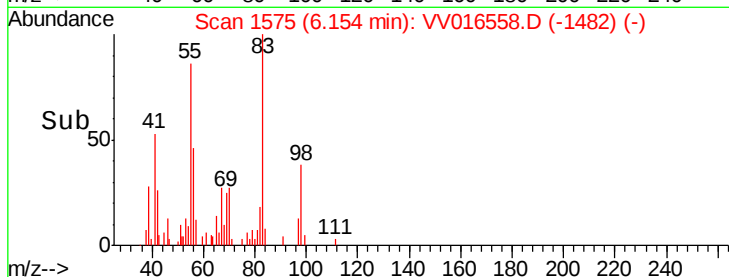
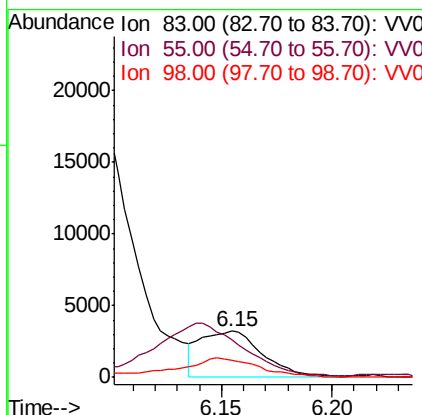
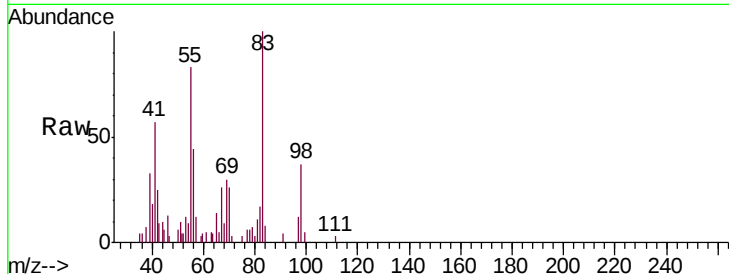
#35
Methylcyclohexane
Concen: 1.541 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV016558.D
Acq: 06 Jun 2020 00:53

Instrument :
MSVOA_V
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Tgt Ion	Ratio	Lower	Upper
83	100		
55	175.7	63.4	95.0#
98	53.0	39.4	59.0

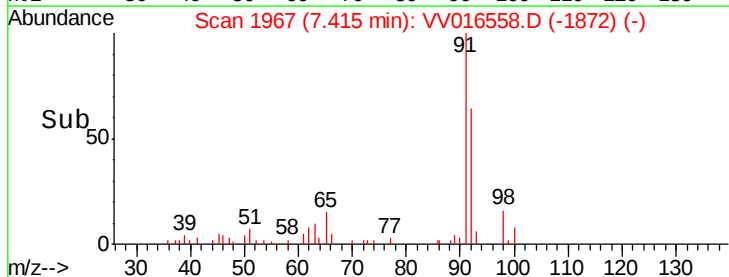
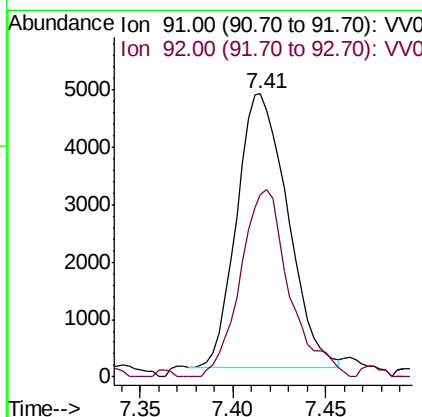
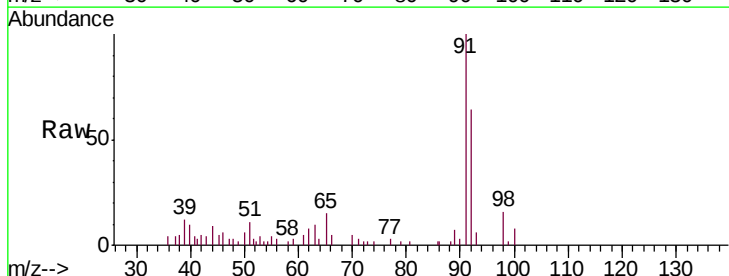
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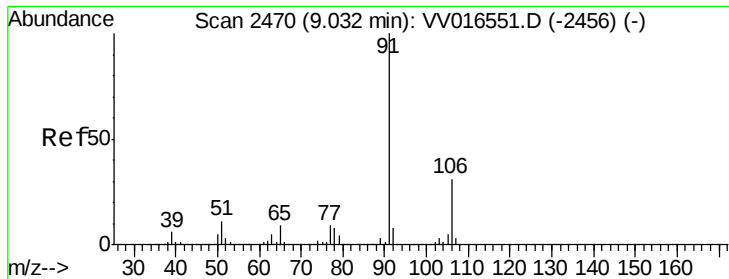
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#42
Toluene
Concen: 0.792 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV016558.D
Acq: 06 Jun 2020 00:53

Tgt Ion	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

ClientSampleId :

F9D74

Tgt Ion: 91 Resp: 83984

Ion Ratio Lower Upper

91 100

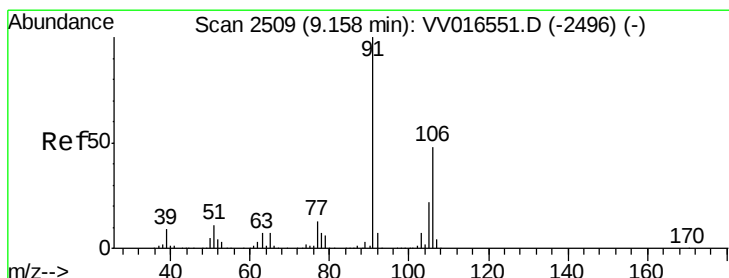
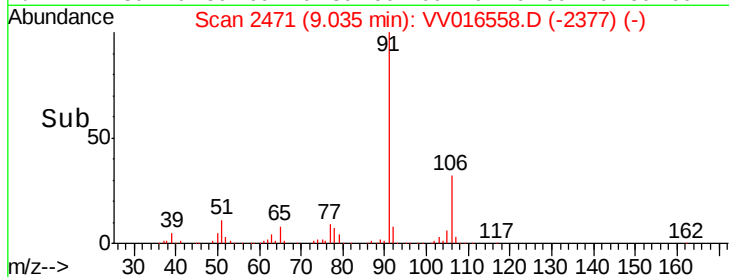
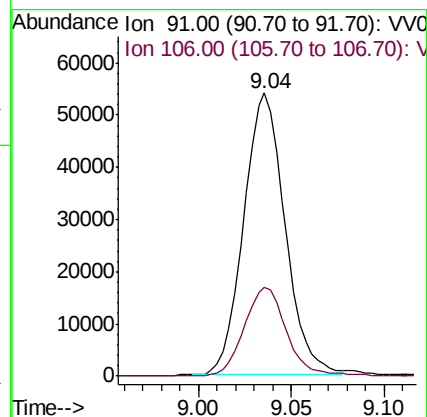
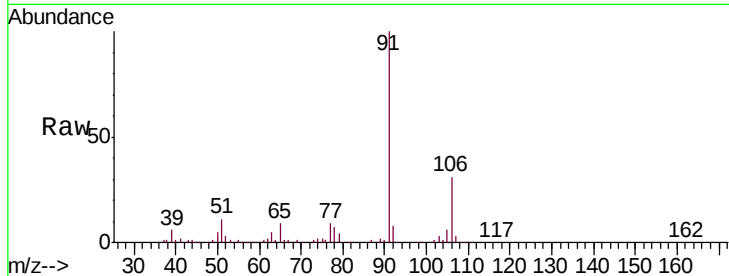
106 31.4 21.8 40.4

Manual Integrations

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#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

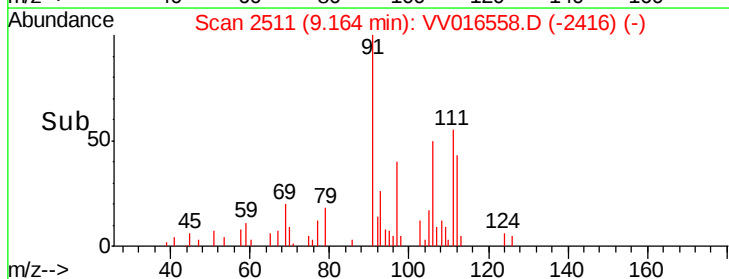
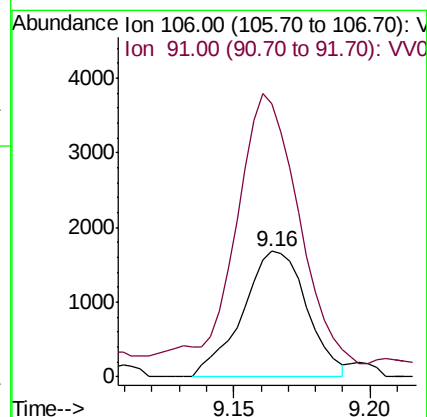
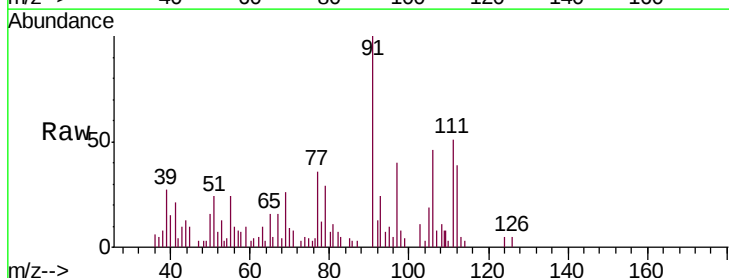
Acq: 06 Jun 2020 00:53

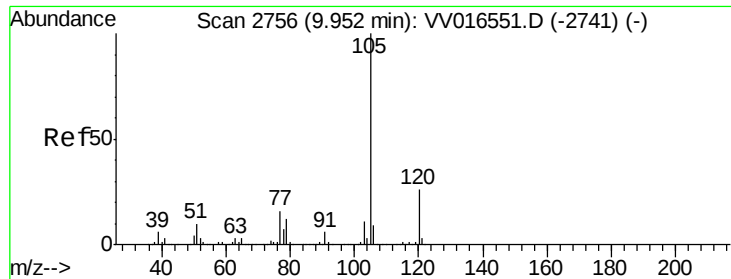
Tgt Ion: 106 Resp: 2754

Ion Ratio Lower Upper

106 100

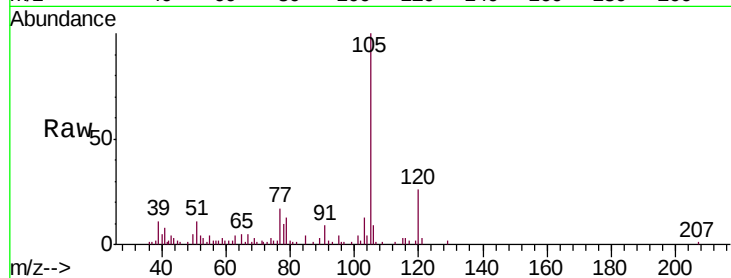
91 217.9 142.5 264.6





#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 :
F9D74



Tgt Ion:	105	Resp:	18508
Ion Ratio	Lower	Upper	
105	100		
120	24.9	21.0	31.6
77	15.1	13.0	19.4

Manual Integrations
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