

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
 Data File : VV010184.D
 Acq On : 08 Apr 2019 18:53
 Operator : SY/MD
 Sample : K2259-05
 Misc : 4.61G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETJ44

Manual Integrations
 APPROVED

MMDadoda
 4/15/2019 12:28:30 AM

Quant Time: Apr 09 07:18:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 09 05:31:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	184764	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	114403	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	20824	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	53197	21.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.04%
7) Chloroethane-d5	1.57	69	74096	24.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.48%
10) 1,1-Dichloroethene-d2	2.13	63	106296	17.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.16%
20) 2-Butanone-d5	3.95	46	46576m	66.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	132.34%
24) Chloroform-d	4.40	84	123097	26.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.08	65	75392	28.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	115.80%
29) Benzene-d6	5.10	84	231447	39.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	156.04%#
33) 1,2-Dichloropropane-d6	6.12	67	80233	45.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	183.28%#
37) Toluene-d8	7.36	98	173285	30.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	121.28%
38) trans-1,3-Dichloropropene-	7.67	79	19162	25.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.40%
39) 2-Hexanone-d5	8.13	63	29537	84.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	168.22%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	62935	36.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	145.80%#
61) 1,2-Dichlorobenzene-d4	11.68	152	24167	29.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	119.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.20	43	4920	7.070	ug/L	93
16) Methylene chloride	2.53	84	16151	4.975	ug/L	97
34) Benzene	5.15	78	46328	8.281	ug/L	100
36) Methylcyclohexane	6.17	83	2400	0.995	ug/L #	76
44) Toluene	7.43	91	9339	1.487	ug/L	96
47) Tetrachloroethene	8.02	164	1660	1.232	ug/L	91
53) Ethylbenzene	9.05	91	4819	0.700	ug/L	95
54) m,p-Xylene	9.18	106	4130	1.541	ug/L	95

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

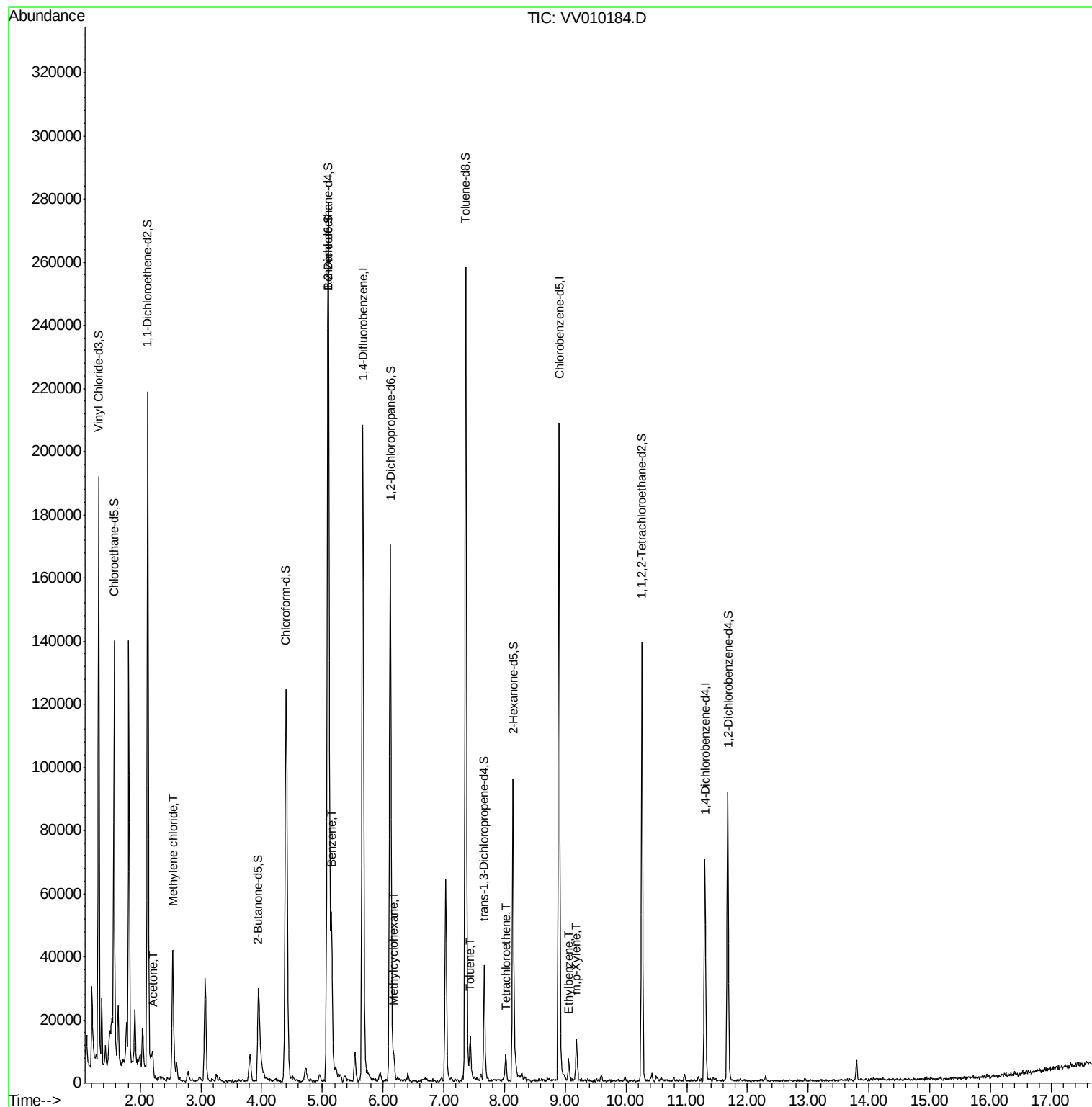
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040819\
Data File : VV010184.D
Acq On : 08 Apr 2019 18:53
Operator : SY/MD
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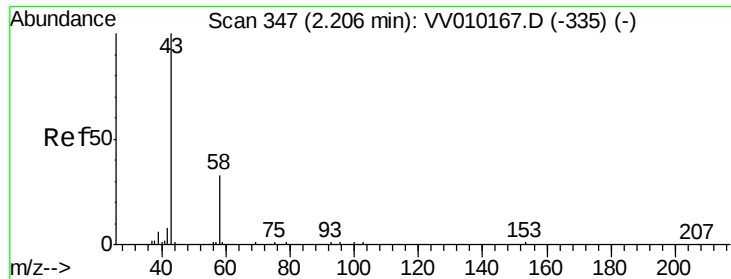
Instrument :
MSVOA_V
ClientSampleId :
ETJ44

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 09 05:31:28 2019
Response via : Initial Calibration





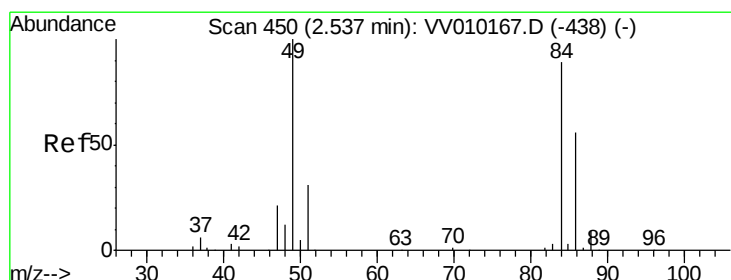
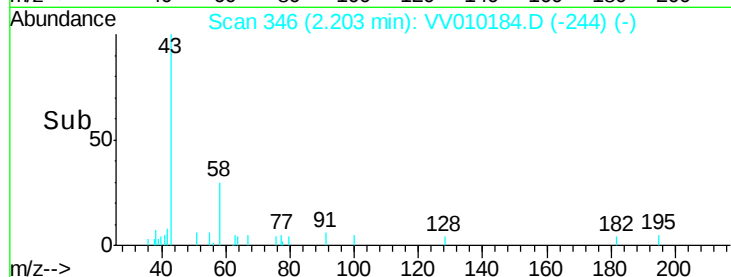
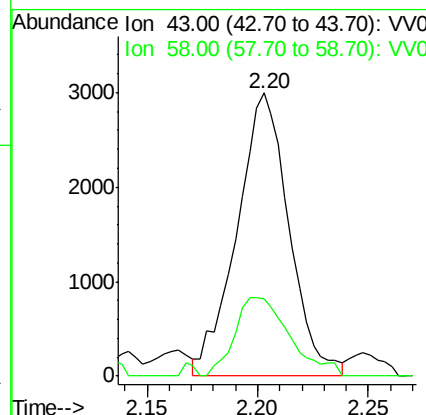
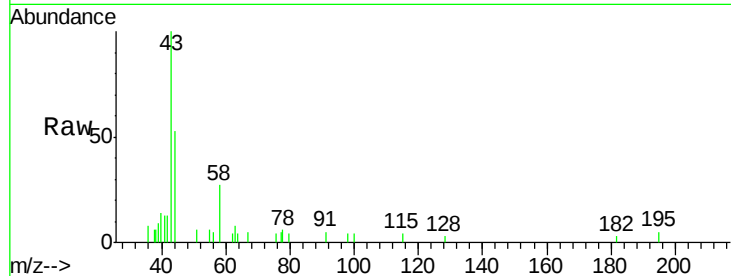
#13
Acetone
Concen: 7.070 ug/L
RT: 2.20 min Scan# 346
Delta R.T. -0.00 min
Lab File: VV010184.D
Acq: 08 Apr 2019 18:53

Instrument :
MSVOA_V
ClientSampleId :
ETJ44

Tot Ion	43	Resp	4920
Ion Ratio	100	Lower	Upper
58	28.1	0.0	64.6

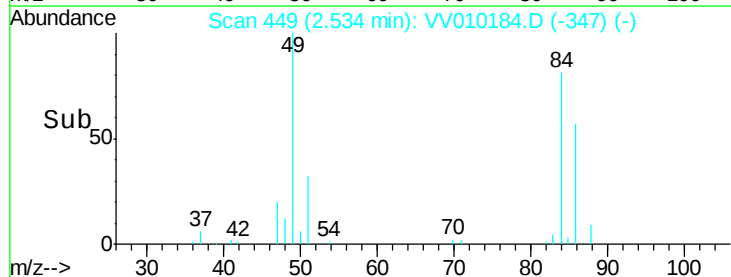
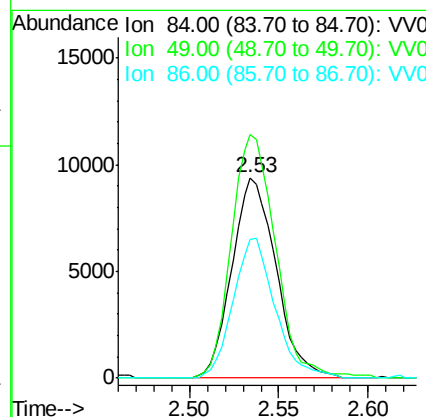
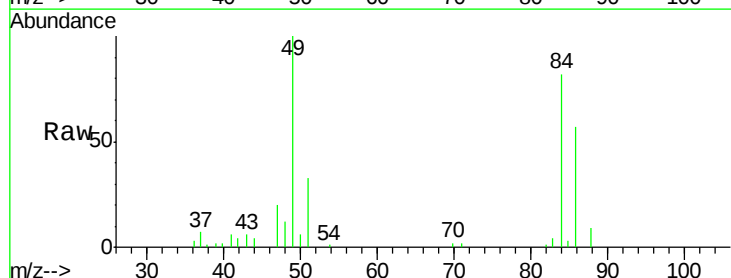
Manual Integrations
APPROVED

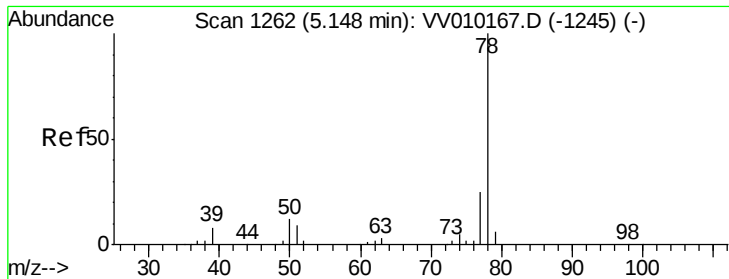
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#16
Methylene chloride
Concen: 4.975 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010184.D
Acq: 08 Apr 2019 18:53

Tgt Ion	84	Resp	16151
Ion Ratio	100	Lower	Upper
49	121.7	84.3	156.5
86	69.5	45.4	84.2





#34

Benzene

Concen: 8.281 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV010184.D

Acq: 08 Apr 2019 18:53

Instrument :

MSVOA_V

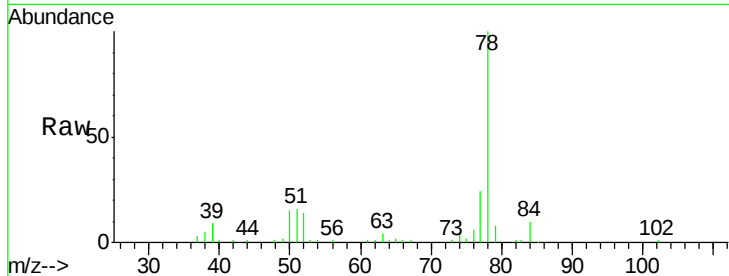
ClientSampled :

ETJ44

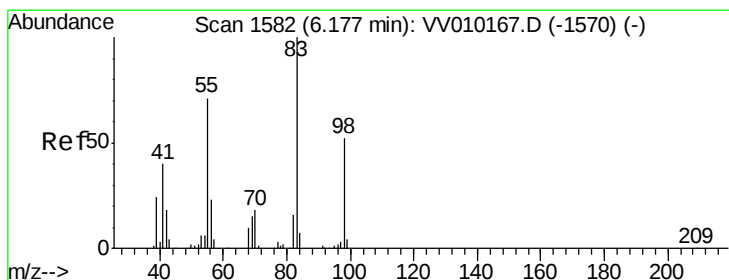
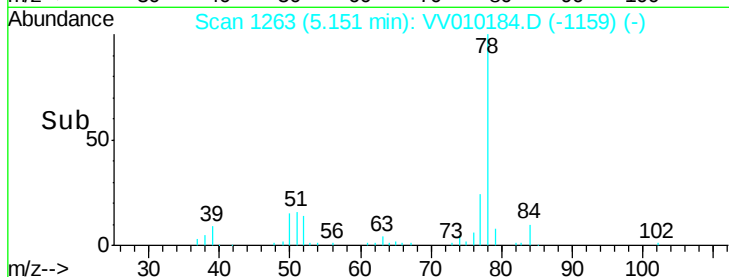
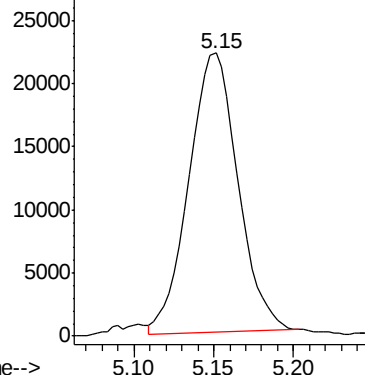
Tgt Ion: 78 Resp: 46328

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Abundance Ion 78.00 (77.70 to 78.70): VV0



#36

Methylcyclohexane

Concen: 0.995 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VV010184.D

Acq: 08 Apr 2019 18:53

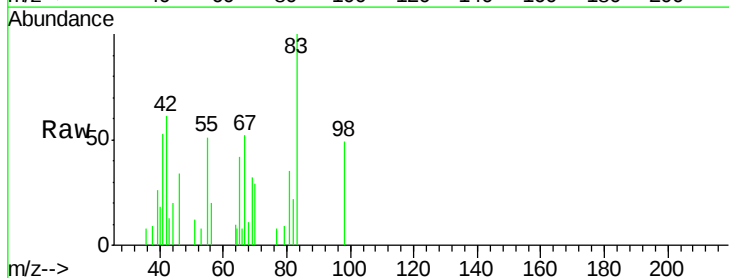
Tgt Ion: 83 Resp: 2400

Ion Ratio Lower Upper

83 100

55 39.0 56.3 84.5#

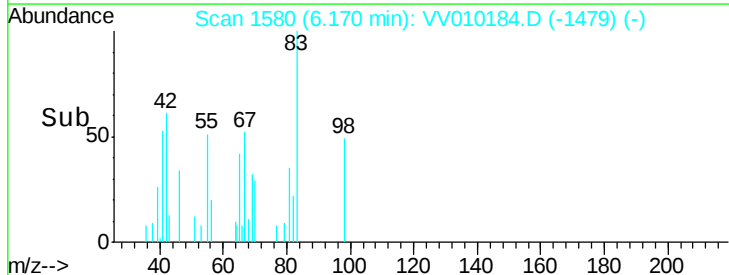
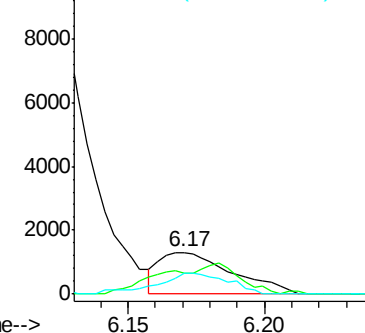
98 46.9 39.0 58.6

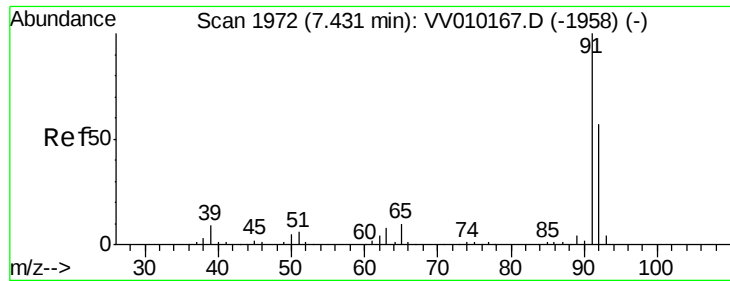


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#44

Toluene

Concen: 1.487 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV010184.D

Acq: 08 Apr 2019 18:53

Instrument :

MSVOA_V

ClientSampleId :

ETJ44

Tot Ion: 91 Resp: 9339

Ion Ratio Lower Upper

91 100

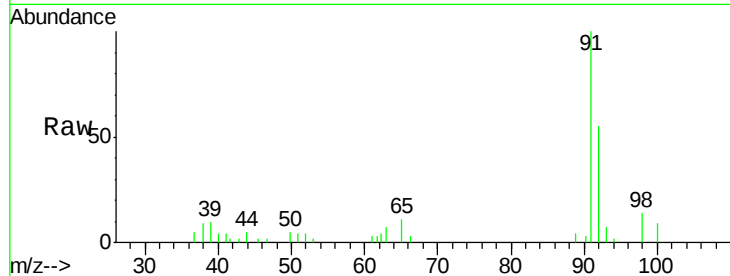
92 55.5 41.0 76.2

Manual Integrations

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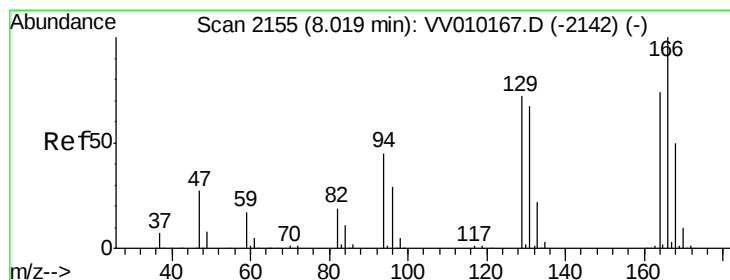
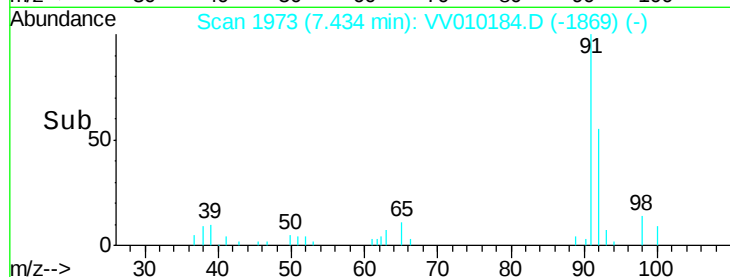
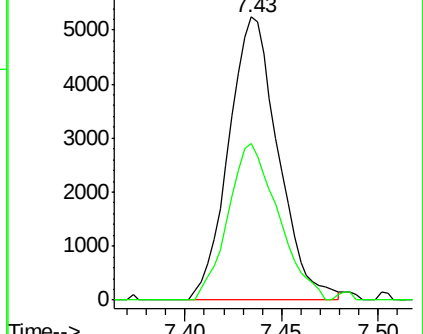
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Abundance Ion 91.00 (90.70 to 91.70): VV010167.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010167.D (-1958) (-)



#47

Tetrachloroethene

Concen: 1.232 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV010184.D

Acq: 08 Apr 2019 18:53

Tgt Ion: 164 Resp: 1660

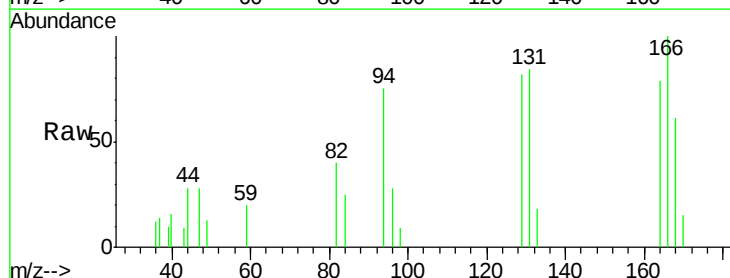
Ion Ratio Lower Upper

164 100

129 104.7 67.8 125.8

131 107.2 65.2 121.0

166 127.3 93.8 174.2

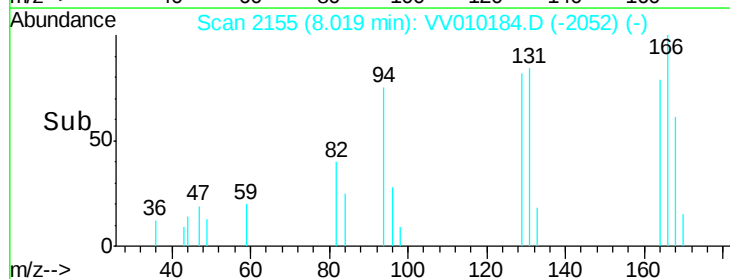
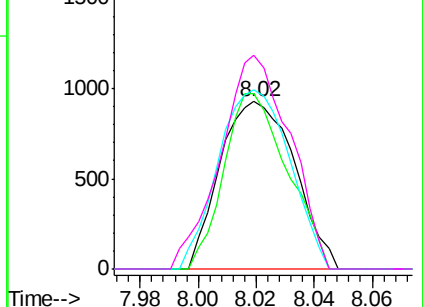


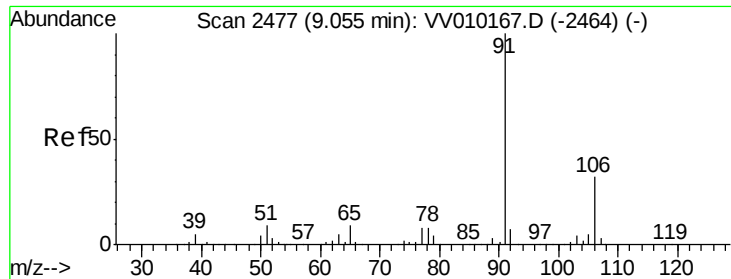
Abundance Ion 164.00 (163.70 to 164.70): VV010167.D (-2142) (-)

Ion 129.00 (128.70 to 129.70): VV010167.D (-2142) (-)

Ion 131.00 (130.70 to 131.70): VV010167.D (-2142) (-)

Ion 166.00 (165.70 to 166.70): VV010167.D (-2142) (-)





#53

Ethylbenzene

Concen: 0.700 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010184.D

Acq: 08 Apr 2019 18:53

Instrument :

MSVOA_V

ClientSampleId :

ETJ44

Tot Ion: 91 Resp: 4819

Ion Ratio Lower Upper

91 100

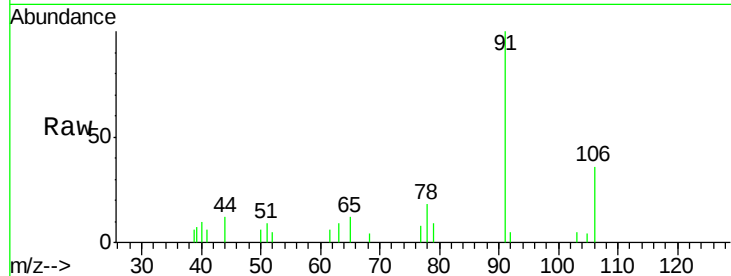
106 35.9 23.1 42.9

Manual Integrations

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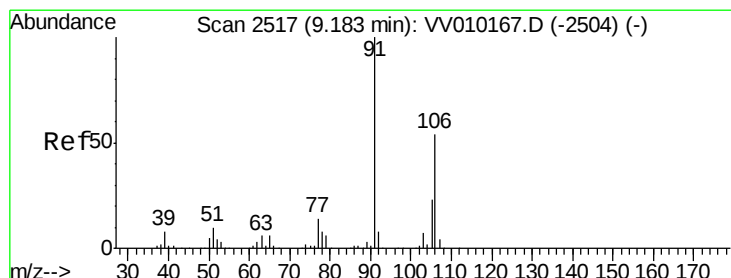
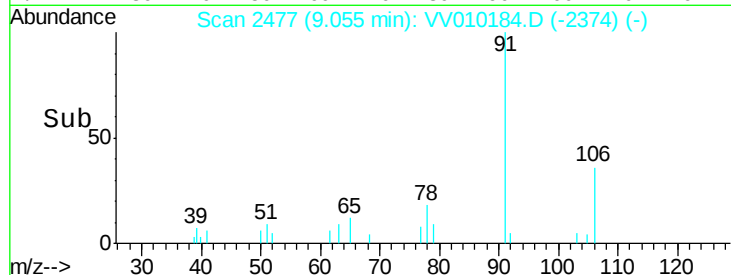
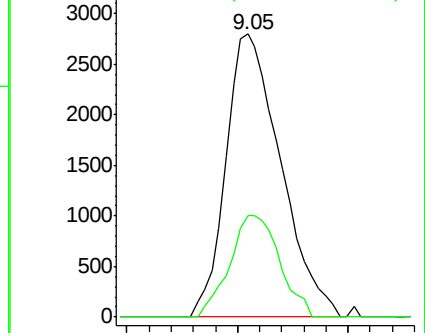
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Abundance Ion 91.00 (90.70 to 91.70): VV010184.D (-2374) (-)

Ion 106.00 (105.70 to 106.70): VV010184.D (-2374) (-)



#54

m,p-Xylene

Concen: 1.541 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV010184.D

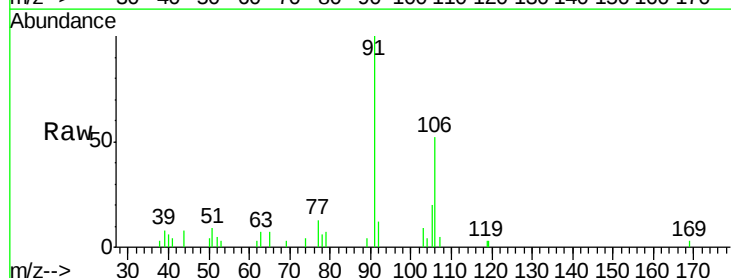
Acq: 08 Apr 2019 18:53

Tgt Ion: 106 Resp: 4130

Ion Ratio Lower Upper

106 100

91 192.2 139.3 258.7



Abundance Ion 106.00 (105.70 to 106.70): VV010184.D (-2414) (-)

Ion 91.00 (90.70 to 91.70): VV010184.D (-2414) (-)

