

Data File : VV011029.D
Acq On : 23 May 2019 16:10
Operator : SY/MD
Sample : K3016-11MS
Misc : 5.60G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51C9

Manual Integrations
APPROVED

MMDadoda
5/28/2019 2:55:01 AM

Quant Time: May 24 08:31:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 08:16:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	98747	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	92962	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	30950	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	26200	23.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.08%
7) Chloroethane-d5	1.55	69	17553	23.03	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.12%
10) 1,1-Dichloroethene-d2	2.12	63	51887	23.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.88%
20) 2-Butanone-d5	3.93	46	32819	84.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	168.98%#
24) Chloroform-d	4.39	84	65725	25.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.76%
26) 1,2-Dichloroethane-d4	5.07	65	41019	27.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.84%
29) Benzene-d6	5.09	84	132705	26.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.60%
33) 1,2-Dichloropropane-d6	6.11	67	45980	28.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.04%
37) Toluene-d8	7.36	98	113115	23.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.92%
38) trans-1,3-Dichloropropene-	7.66	79	18341	27.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	110.80%
39) 2-Hexanone-d5	8.13	63	25824	85.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	171.72%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	50723	31.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	126.04%#
61) 1,2-Dichlorobenzene-d4	11.67	152	29159	23.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.80%

Target Compounds					Qvalue
12) 1,1-Dichloroethene	2.13	96	27867	26.743 ug/L	96
13) Acetone	2.19	43	34935	93.260 ug/L	97
15) Methyl Acetate	2.46	43	3745	5.203 ug/L	98
21) 2-Butanone	4.04	43	3008m	5.868 ug/L	
34) Benzene	5.14	78	161827	30.198 ug/L	100
35) Trichloroethene	5.96	95	39396	26.607 ug/L	97
44) Toluene	7.43	91	166423	27.985 ug/L	100
52) Chlorobenzene	8.92	112	100704	24.705 ug/L	98

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

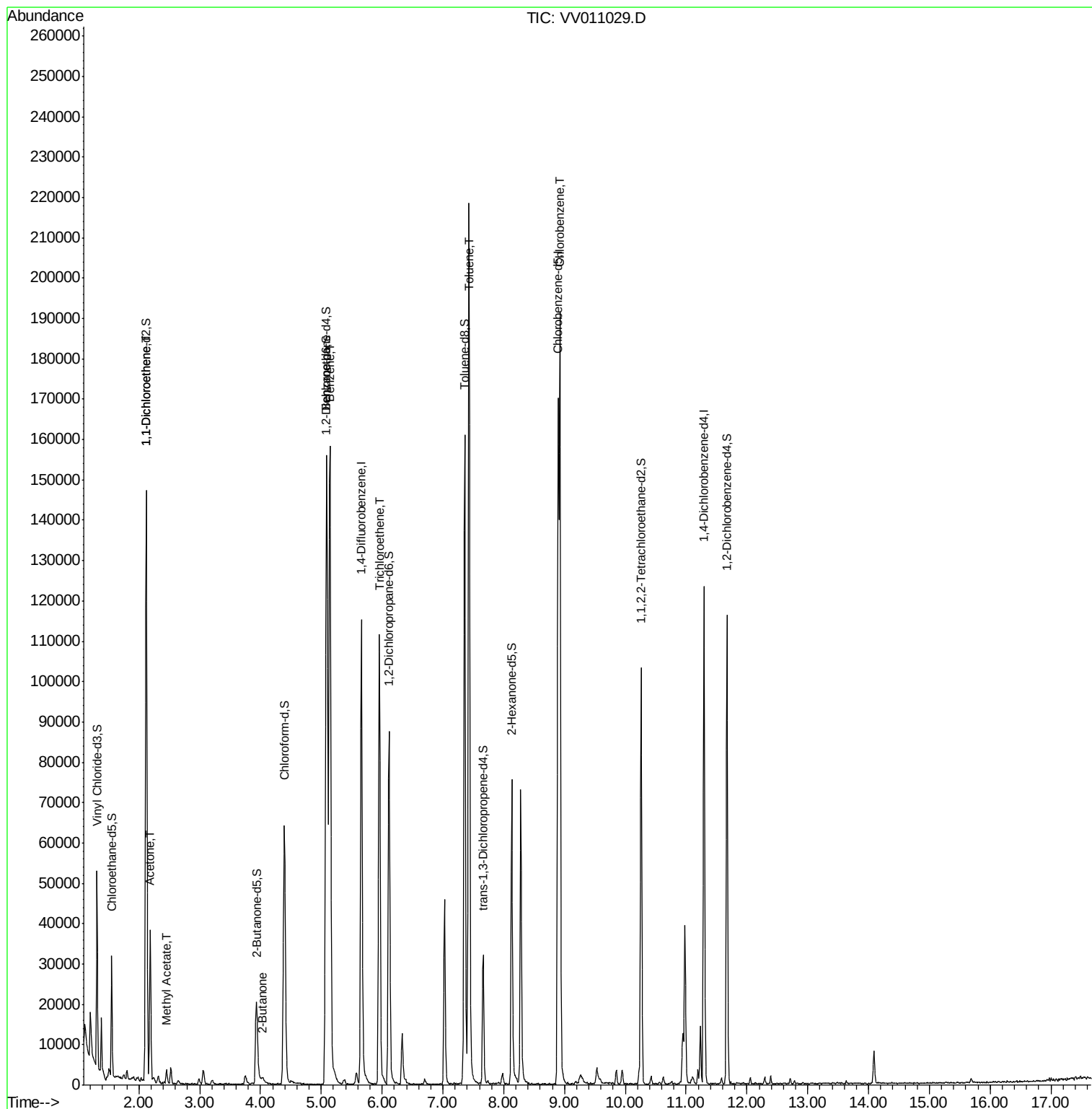
Data File : VV011029.D
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ALS Vial : 1 Sample Multiplier: 1

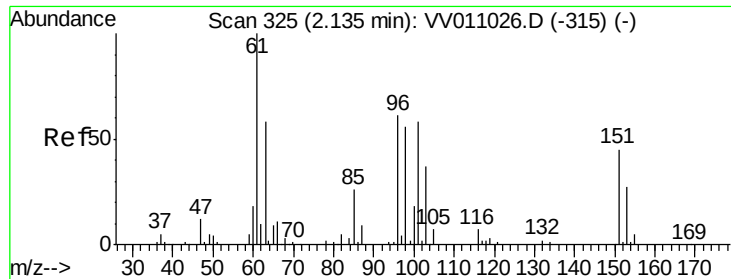
Instrument :
MSVOA_V
ClientSampleId :
A51C9

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 08:16:13 2019
Response via : Initial Calibration





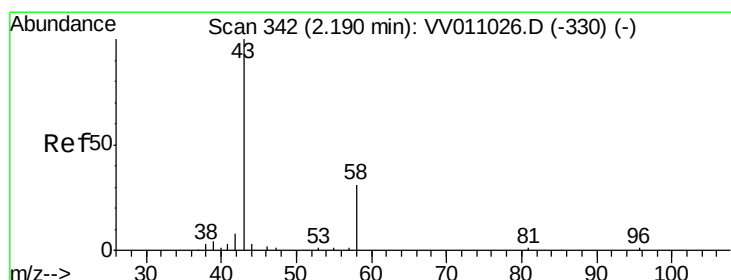
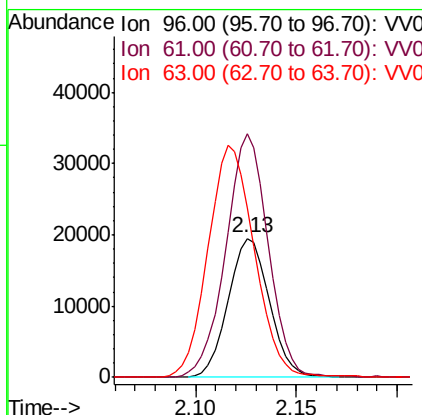
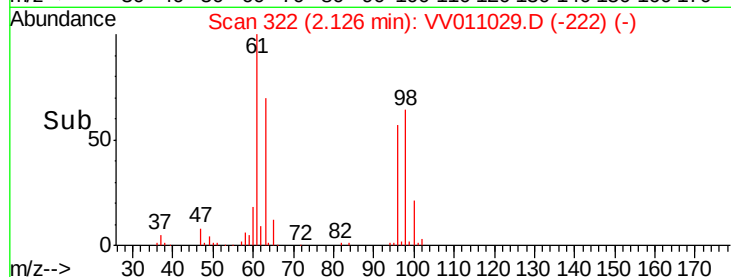
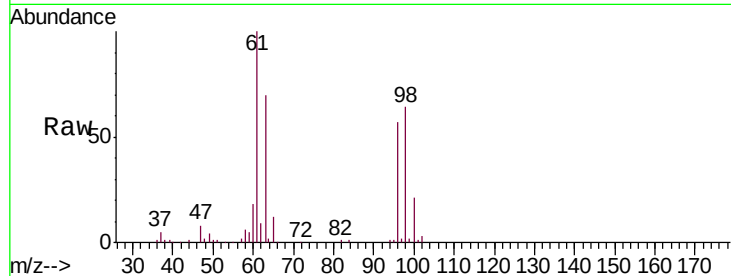
#12
 1,1-Dichloroethene
 Concen: 26.743 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.01 min
 Lab File: VV011029.D
 Acq: 23 May 2019 16:10

Instrument :
 MSVOA_V
 ClientSampled :
 A51C9

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.8	117.8	218.8
63	121.7	87.1	161.7

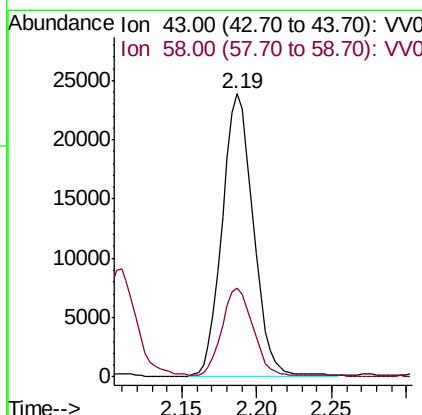
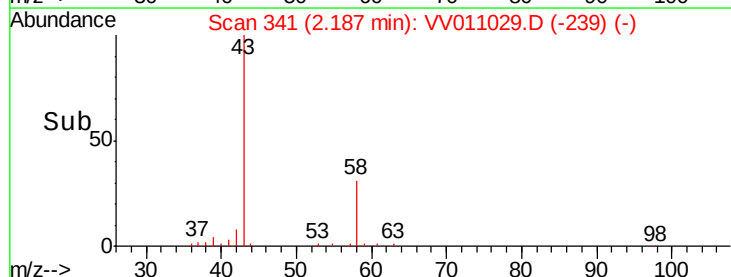
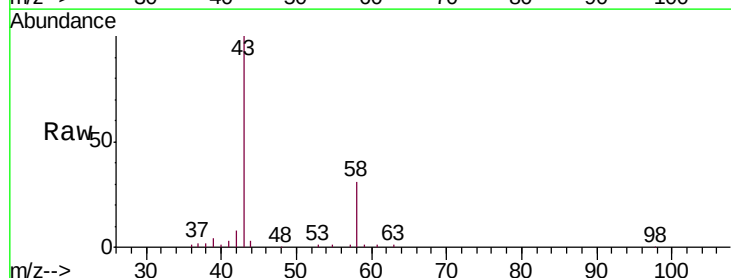
Manual Integrations
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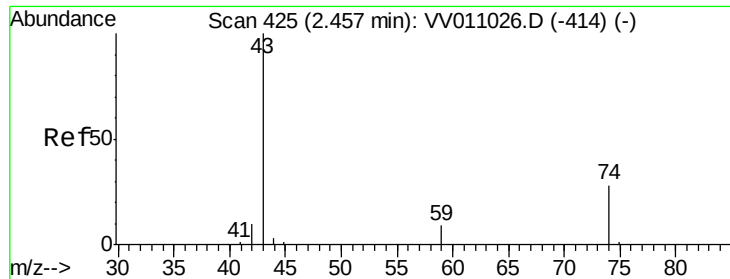
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 5/28/2019 2:55:01 AM



#13
 Acetone
 Concen: 93.260 ug/L
 RT: 2.19 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VV011029.D
 Acq: 23 May 2019 16:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.0	0.0	60.8





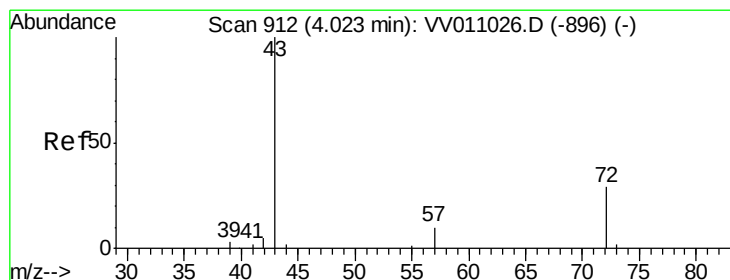
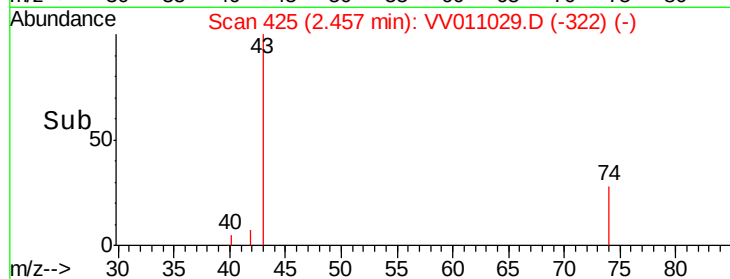
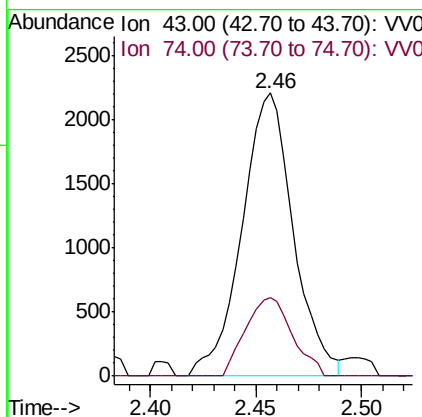
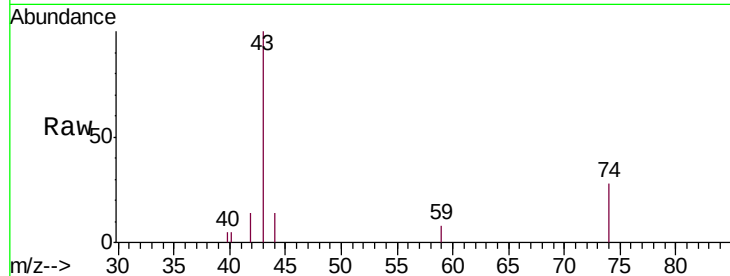
#15
Methyl Acetate
Concen: 5.203 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV011029.D
Acq: 23 May 2019 16:10

Instrument :
MSVOA_V
ClientSampleId :
A51C9

Tgt Ion: 43 Resp: 3745
Ion Ratio Lower Upper
43 100
74 25.3 21.1 31.7

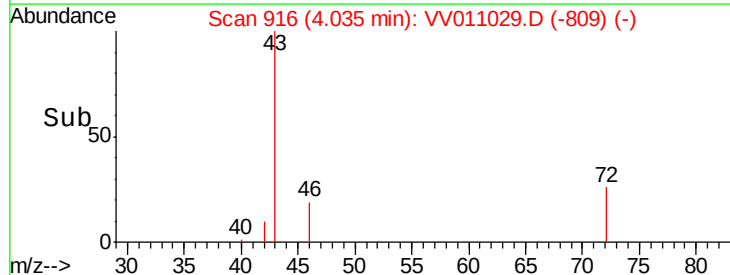
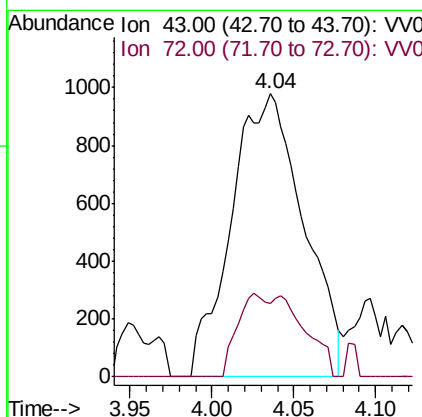
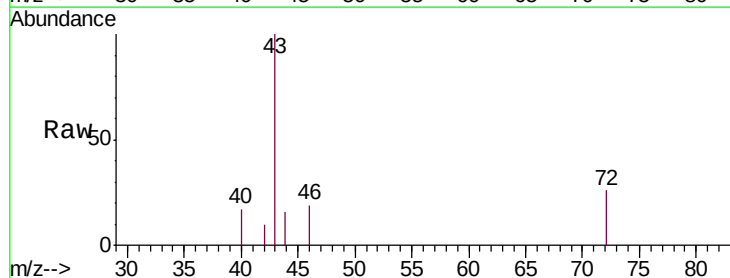
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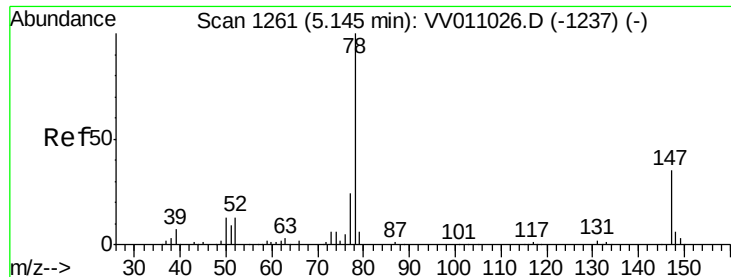
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5/28/2019 2:55:01 AM



#21
2-Butanone
Concen: 5.868 ug/L m
RT: 4.04 min Scan# 916
Delta R.T. 0.01 min
Lab File: VV011029.D
Acq: 23 May 2019 16:10

Tgt Ion: 43 Resp: 3008
Ion Ratio Lower Upper
43 100
72 12.9 13.1 39.3#





#34

Benzene

Concen: 30.198 ug/L

RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV011029.D

Acq: 23 May 2019 16:10

Instrument :

MSVOA_V

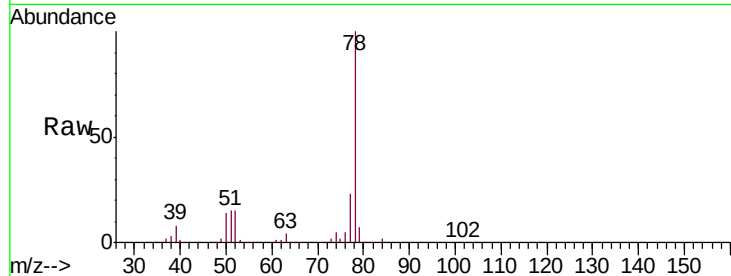
ClientSampleId :

A51C9

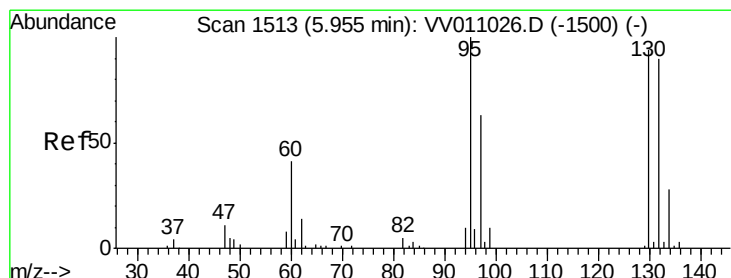
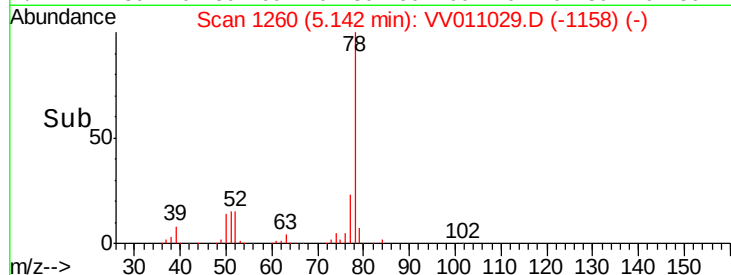
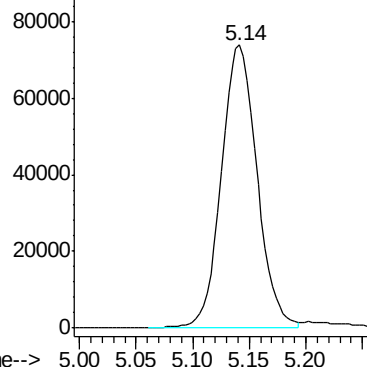
Tgt Ion: 78 Resp: 161827

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5/28/2019 2:55:01 AM



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 26.607 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011029.D

Acq: 23 May 2019 16:10

Tgt Ion: 95 Resp: 39396

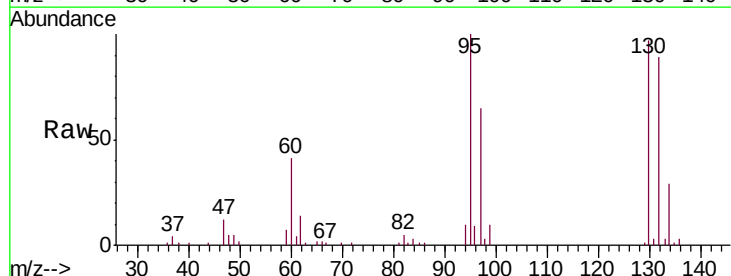
Ion	Ratio	Lower	Upper
95	100		
97	64.2	43.4	80.6
132	92.6	68.8	127.8
130	99.5	69.9	129.9

95 100

97 64.2 43.4 80.6

132 92.6 68.8 127.8

130 99.5 69.9 129.9

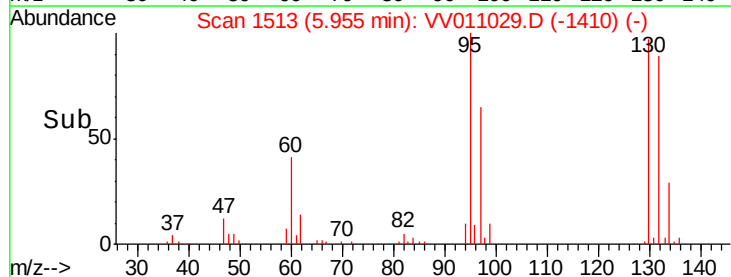
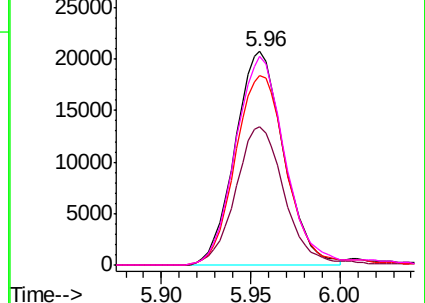


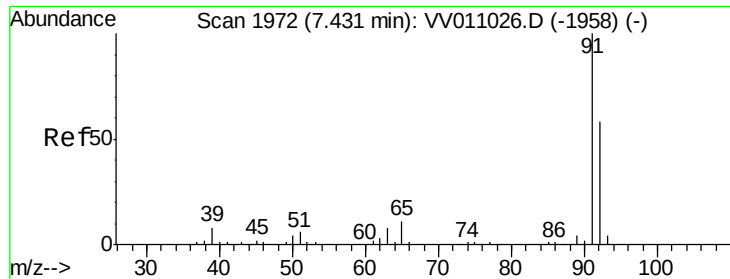
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#44

Toluene

Concen: 27.985 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011029.D

Acq: 23 May 2019 16:10

Instrument :

MSVOA_V

ClientSampleId :

A51C9

Tgt Ion: 91 Resp: 166423

Ion Ratio Lower Upper

91 100

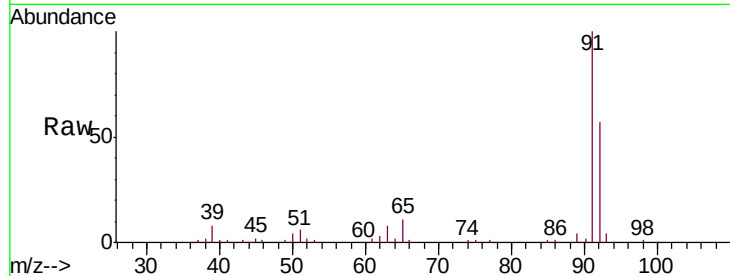
92 57.1 40.0 74.4

Manual Integrations

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5/28/2019 2:55:01 AM



Abundance Ion 91.00 (90.70 to 91.70): VV011026.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV011026.D (-1958) (-)

7.43

100000

80000

60000

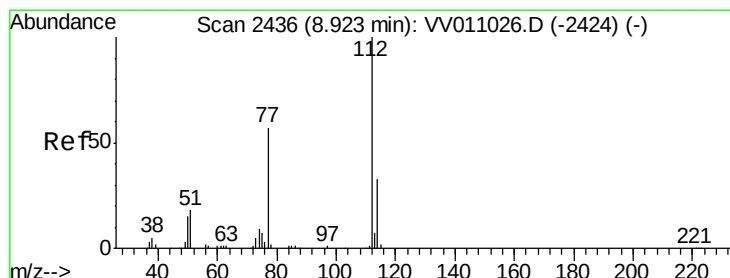
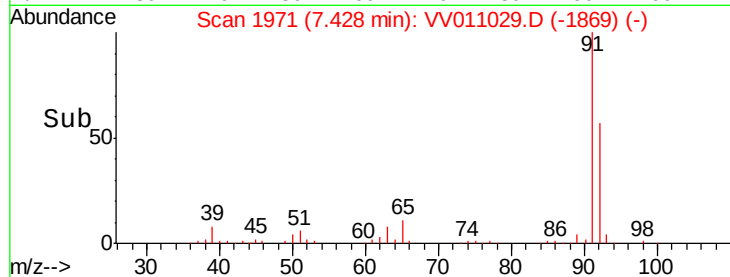
40000

20000

0

7.40 7.50

Time-->



#52

Chlorobenzene

Concen: 24.705 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV011029.D

Acq: 23 May 2019 16:10

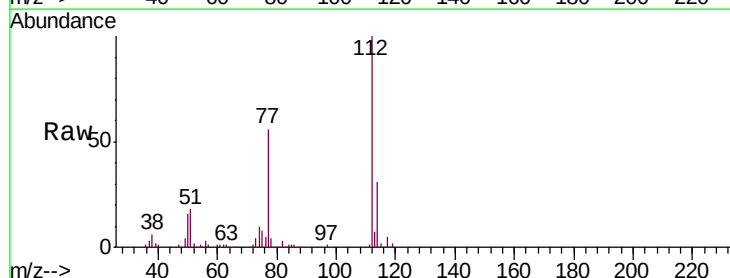
Tgt Ion: 112 Resp: 100704

Ion Ratio Lower Upper

112 100

77 56.0 43.0 64.4

114 31.0 22.0 40.8



Abundance Ion 112.00 (111.70 to 112.70): VV011026.D (-2424) (-)

Ion 77.00 (76.70 to 77.70): VV011026.D (-2424) (-)

Ion 114.00 (113.70 to 114.70): VV011026.D (-2424) (-)

8.92

80000

60000

40000

20000

0

8.85 8.90 8.95 9.00

Time-->

