

Data File : VV011030.D
Acq On : 23 May 2019 16:38
Operator : SY/MD
Sample : K3016-12MSD
Misc : 5.53G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51C9

Manual Integrations
APPROVED

MMDadoda
5/28/2019 2:55:03 AM

Quant Time: May 24 08:33:20 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	106448	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	92878	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	28277	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24723	20.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.48%
7) Chloroethane-d5	1.56	69	17451	21.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.96%
10) 1,1-Dichloroethene-d2	2.12	63	48940	20.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.88%
20) 2-Butanone-d5	3.94	46	30178	72.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	144.14%#
24) Chloroform-d	4.40	84	58767	21.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.24%
26) 1,2-Dichloroethane-d4	5.08	65	36442	22.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.72%
29) Benzene-d6	5.09	84	123709	24.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.60%
33) 1,2-Dichloropropane-d6	6.12	67	40997	25.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.76%
37) Toluene-d8	7.36	98	103308	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.68%
38) trans-1,3-Dichloropropene-	7.66	79	15423	23.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.24%
39) 2-Hexanone-d5	8.13	63	22872	76.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	152.22%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	40907	25.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.72%
61) 1,2-Dichlorobenzene-d4	11.67	152	22183	19.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	77.28%

Target Compounds

						Qvalue
12) 1,1-Dichloroethene	2.13	96	26375	23.480	ug/L	98
13) Acetone	2.19	43	36641	90.738	ug/L	98
15) Methyl Acetate	2.45	43	6162	7.942	ug/L	96
21) 2-Butanone	4.03	43	2925m	5.293	ug/L	
34) Benzene	5.14	78	147309	27.513	ug/L	100
35) Trichloroethene	5.96	95	36083	24.392	ug/L	95
44) Toluene	7.43	91	150114	25.265	ug/L	99
52) Chlorobenzene	8.92	112	87702	21.535	ug/L	96

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

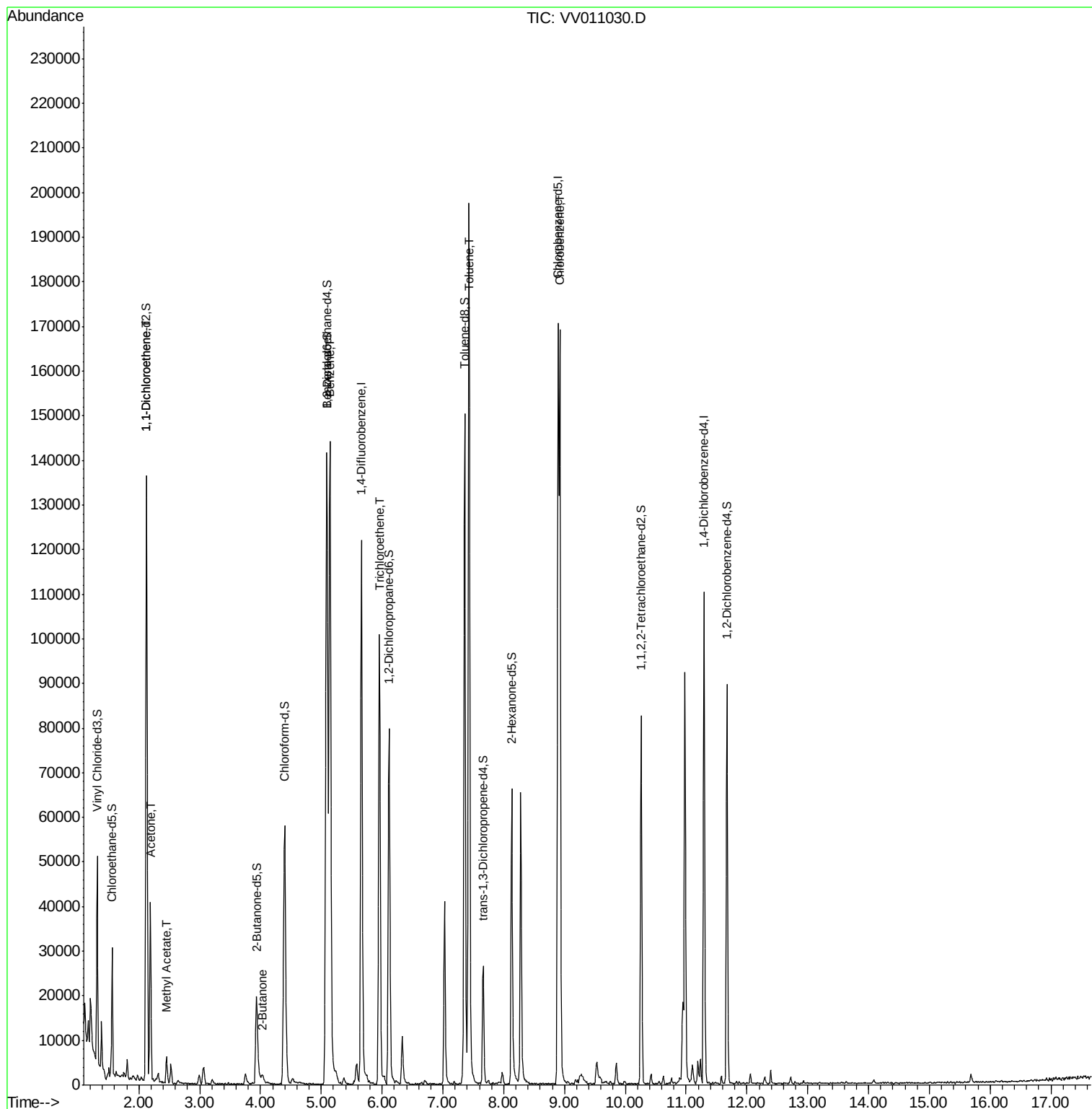
Data File : VV011030.D
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ALS Vial : 1 Sample Multiplier: 1

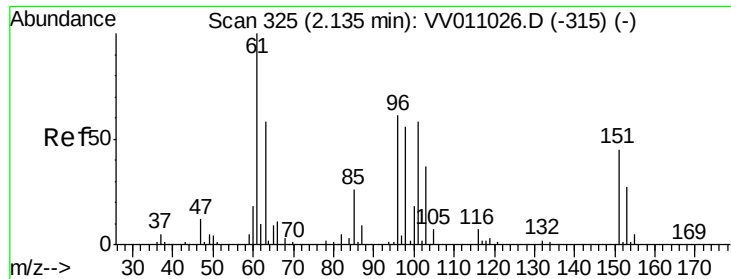
Instrument :
MSVOA_V
ClientSampleId :
A51C9

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5/28/2019 2:55:03 AM

Quant Time: May 24 08:33:20 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





#12

1,1-Dichloroethene

Concen: 23.480 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV011030.D

Acq: 23 May 2019 16:38

Instrument :

MSVOA_V

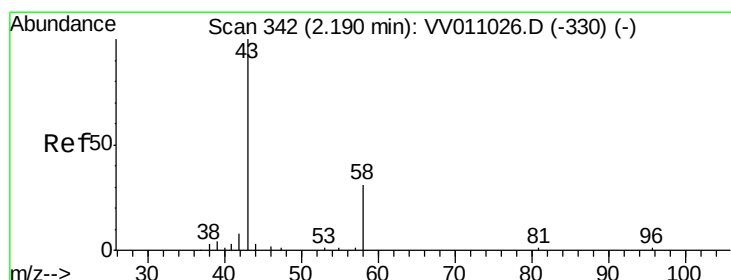
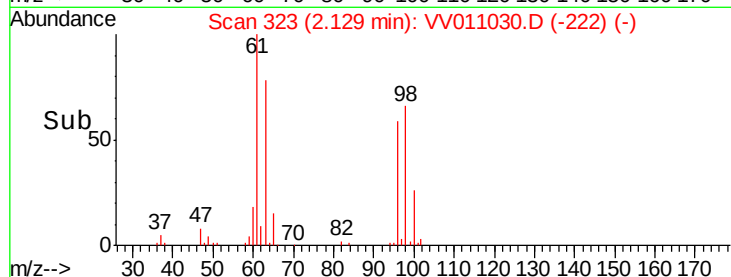
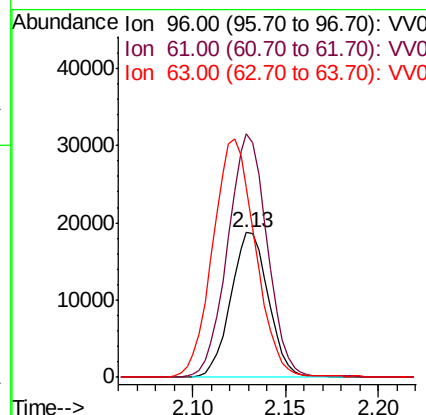
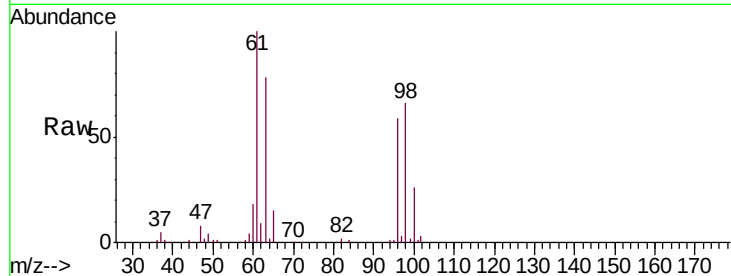
ClientSampleId :

A51C9

Tgt Ion:	96	Resp:	26375
Ion Ratio	Lower	Upper	
96	100		
61	168.4	117.8	218.8
63	130.9	87.1	161.7

Manual Integrations
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5/28/2019 2:55:03 AM



#13

Acetone

Concen: 90.738 ug/L

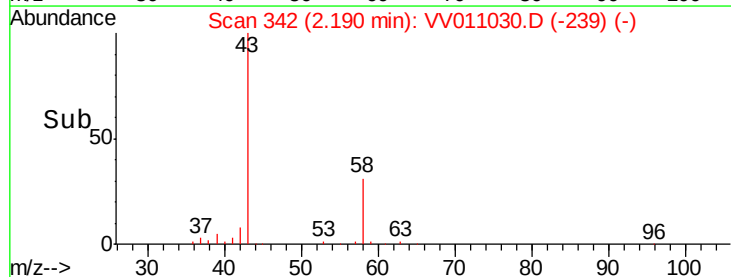
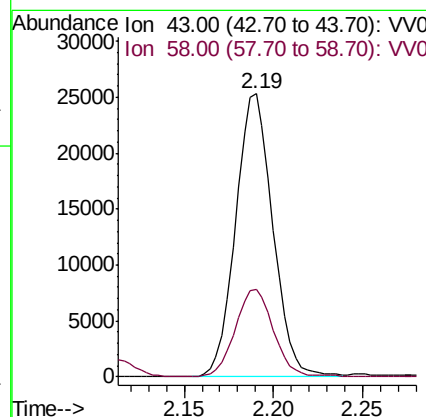
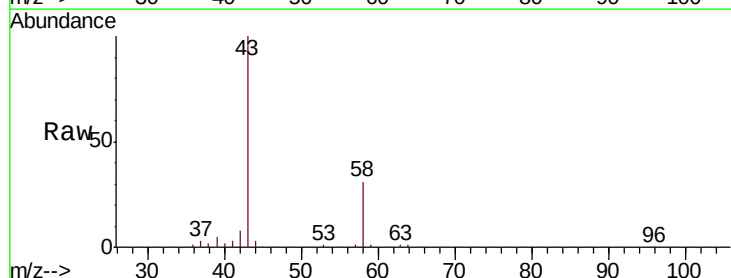
RT: 2.19 min Scan# 342

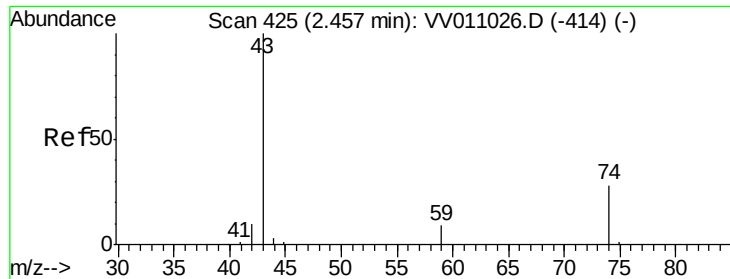
Delta R.T. 0.00 min

Lab File: VV011030.D

Acq: 23 May 2019 16:38

Tgt Ion:	43	Resp:	36641
Ion Ratio	Lower	Upper	
43	100		
58	31.7	0.0	60.8





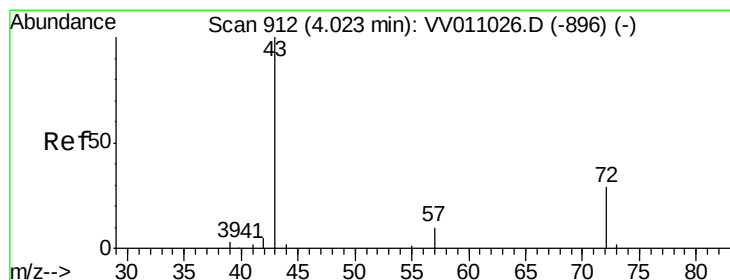
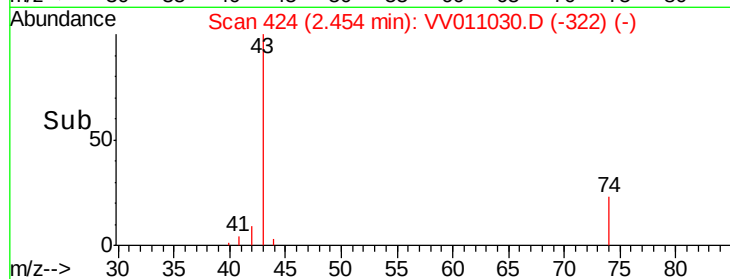
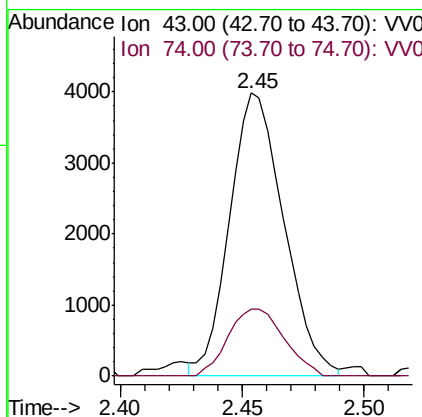
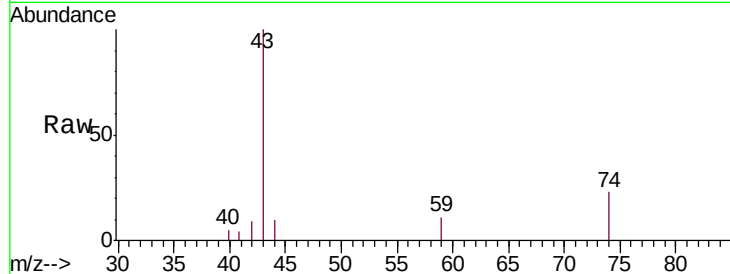
#15
Methyl Acetate
Concen: 7.942 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV011030.D
Acq: 23 May 2019 16:38

Instrument :
MSVOA_V
ClientSampleId :
A51C9

Tgt Ion: 43 Resp: 6162
Ion Ratio Lower Upper
43 100
74 24.5 21.1 31.7

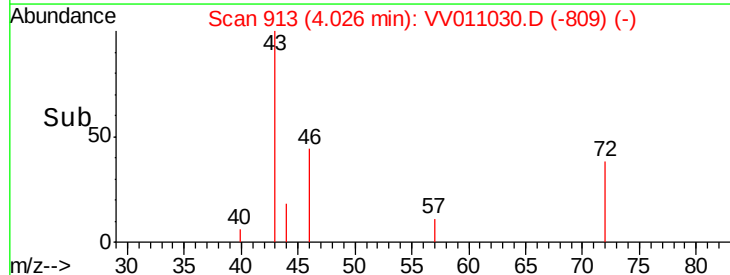
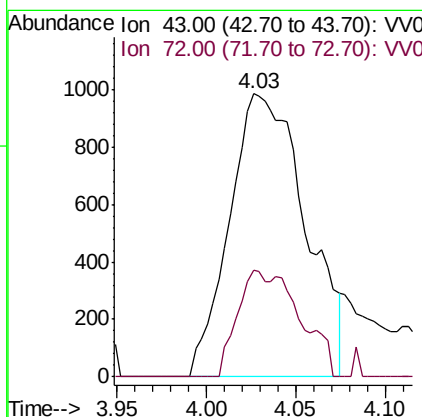
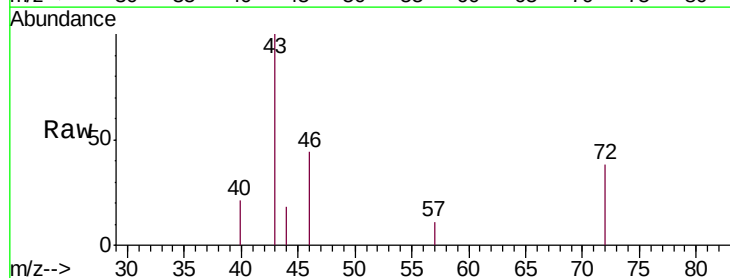
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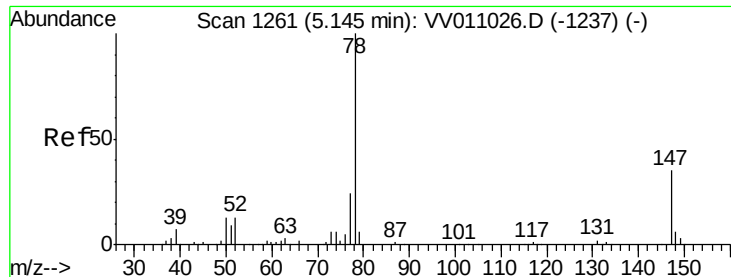
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5/28/2019 2:55:03 AM



#21
2-Butanone
Concen: 5.293 ug/L m
RT: 4.03 min Scan# 913
Delta R.T. 0.00 min
Lab File: VV011030.D
Acq: 23 May 2019 16:38

Tgt Ion: 43 Resp: 2925
Ion Ratio Lower Upper
43 100
72 16.1 13.1 39.3





#34

Benzene

Concen: 27.513 ug/L

RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV011030.D

Acq: 23 May 2019 16:38

Instrument :

MSVOA_V

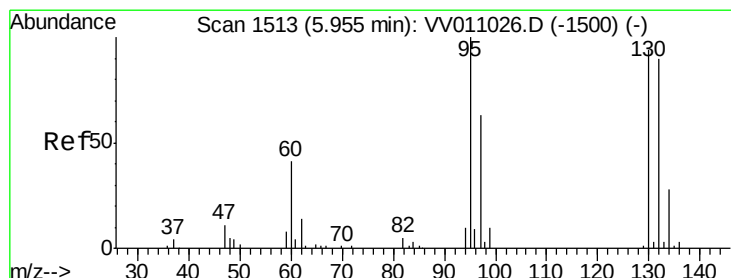
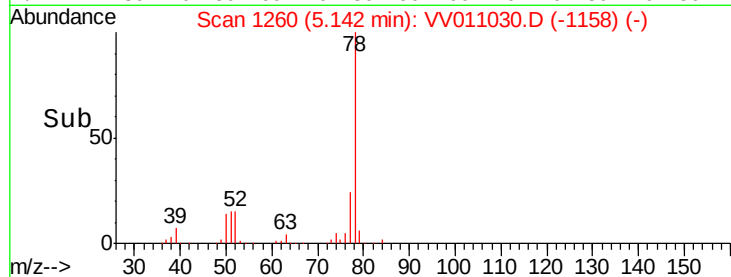
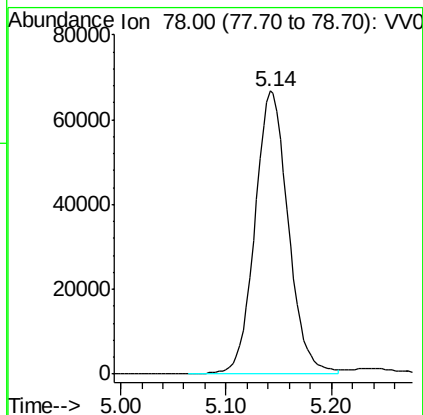
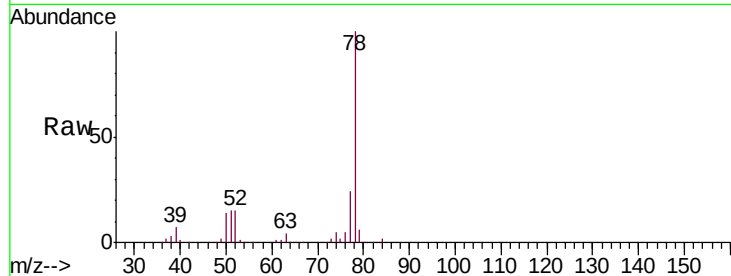
ClientSampleId :

A51C9

Tgt Ion: 78 Resp: 147309

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#35

Trichloroethene

Concen: 24.392 ug/L

RT: 5.96 min Scan# 1513

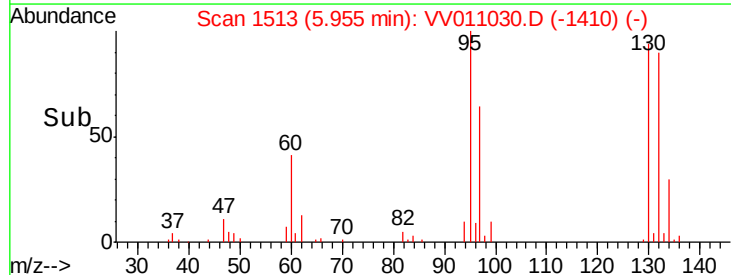
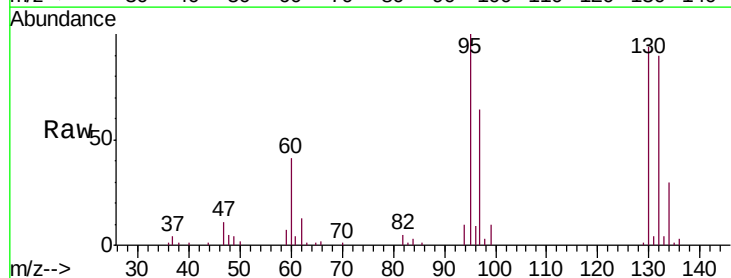
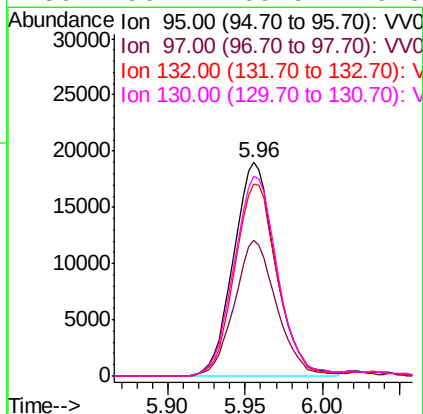
Delta R.T. 0.00 min

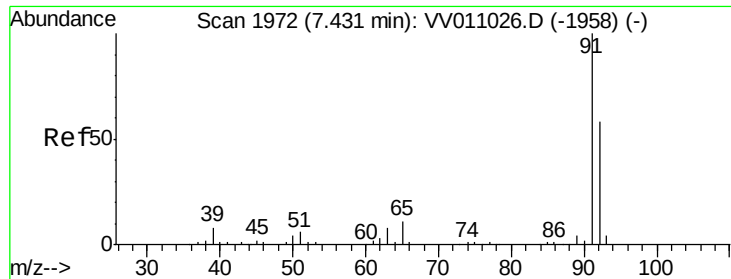
Lab File: VV011030.D

Acq: 23 May 2019 16:38

Tgt Ion: 95 Resp: 36083

Ion	Ratio	Lower	Upper
95	100		
97	63.3	43.4	80.6
132	90.7	68.8	127.8
130	96.1	69.9	129.9





#44

Toluene

Concen: 25.265 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011030.D

Acq: 23 May 2019 16:38

Instrument :

MSVOA_V

ClientSampled :

A51C9

Tgt Ion: 91 Resp: 150114

Ion Ratio Lower Upper

91 100

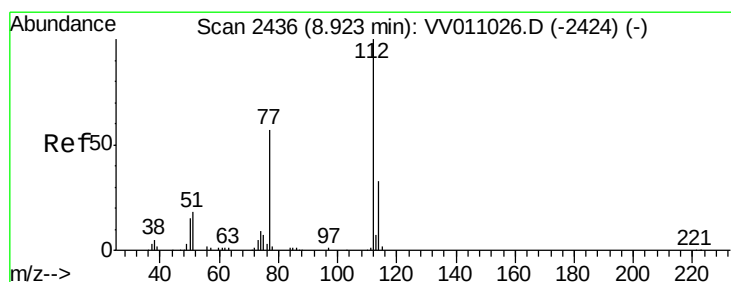
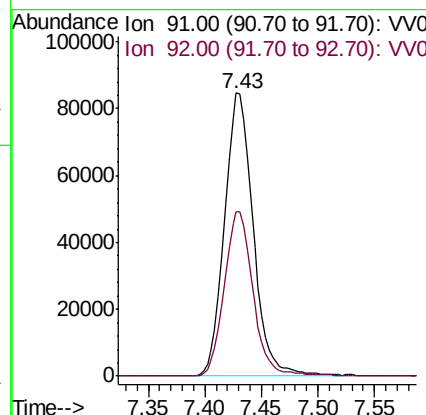
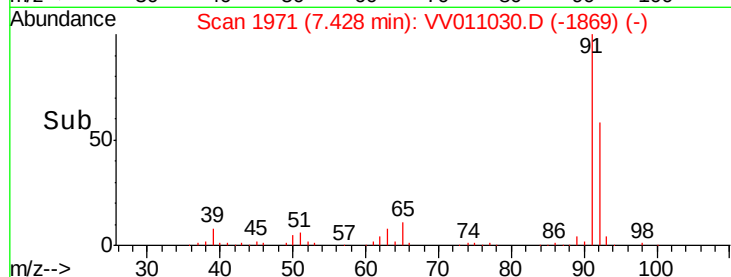
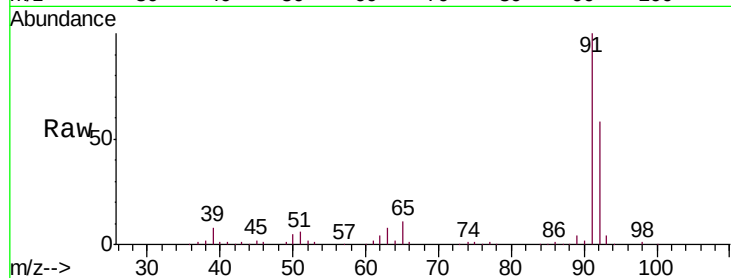
92 58.3 40.0 74.4

Manual Integrations

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5/28/2019 2:55:03 AM



#52

Chlorobenzene

Concen: 21.535 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV011030.D

Acq: 23 May 2019 16:38

Tgt Ion: 112 Resp: 87702

Ion Ratio Lower Upper

112 100

77 56.4 43.0 64.4

114 33.7 22.0 40.8

