

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
 Data File : VV009056.D
 Acq On : 19 Dec 2018 17:32
 Operator : SY/MD
 Sample : J6468-04
 Misc : 5.30G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0JG2

Manual Integrations
 APPROVED

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 12/20/2018 1:25:34 PM

Quant Time: Dec 20 03:33:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 20 01:58:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	86013	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	31122	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	3277	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	37023	41.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	166.40%#
7) Chloroethane-d5	1.58	69	43277	65.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	263.24%#
10) 1,1-Dichloroethene-d2	2.13	63	88130	39.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	158.40%#
20) 2-Butanone-d5	3.94	46	28711	88.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	177.20%#
24) Chloroform-d	4.40	84	90893	43.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	175.84%#
26) 1,2-Dichloroethane-d4	5.08	65	48846	43.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	173.16%#
29) Benzene-d6	5.10	84	135356	77.87	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	311.48%#
33) 1,2-Dichloropropane-d6	6.12	67	53993	110.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	443.84%#
37) Toluene-d8	7.36	98	69744	43.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	173.44%#
38) trans-1,3-Dichloropropene-	7.67	79	8240	38.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	154.16%#
39) 2-Hexanone-d5	8.14	63	10392	116.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	233.14%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	28153	68.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	275.88%#
61) 1,2-Dichlorobenzene-d4	11.68	152	4140	33.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	134.64%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	2.20	43	6901	14.454	ug/L	89
16) Methylene chloride	2.53	84	4607	3.181	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	8305	6.648	ug/L	96
30) Cyclohexane	4.72	56	3424	4.369	ug/L #	89
34) Benzene	5.15	78	13060	7.004	ug/L	100
35) Trichloroethene	5.96	95	2889	5.139	ug/L	93
36) Methylcyclohexane	6.18	83	3989m	4.449	ug/L	
44) Toluene	7.43	91	2824	1.444	ug/L	88

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

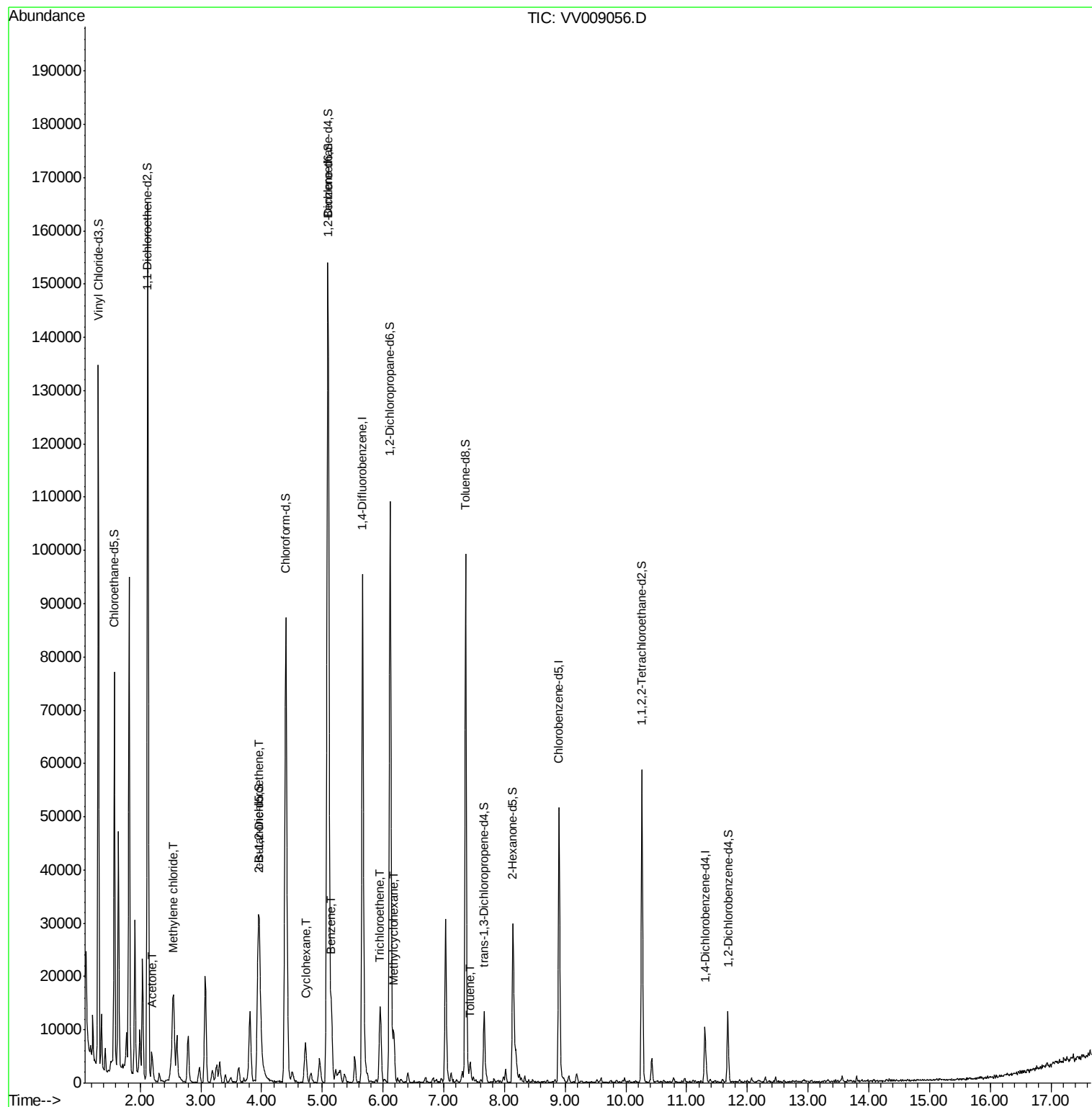
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009056.D
Acq On : 19 Dec 2018 17:32
Operator : SY/MD
Sample : J6468-04
Misc : 5.30G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

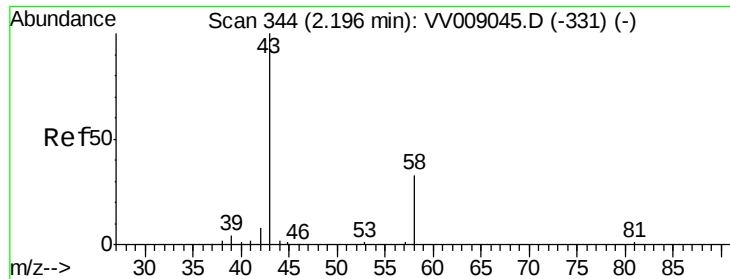
Instrument :
MSVOA_V
ClientSampleId :
C0JG2

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Quant Time: Dec 20 03:33:22 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 20 01:58:47 2018
Response via : Initial Calibration





#13

Acetone

Concen: 14.454 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV009056.D

Acq: 19 Dec 2018 17:32

Instrument :

MSVOA_V

ClientSampleId :

C0JG2

Tgt Ion: 43 Resp: 6901

Ion Ratio Lower Upper

43 100

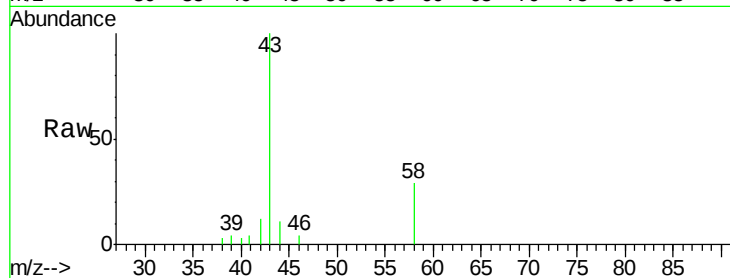
58 26.4 0.0 65.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VV009045.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009045.D (-331) (-)

2.20

3000

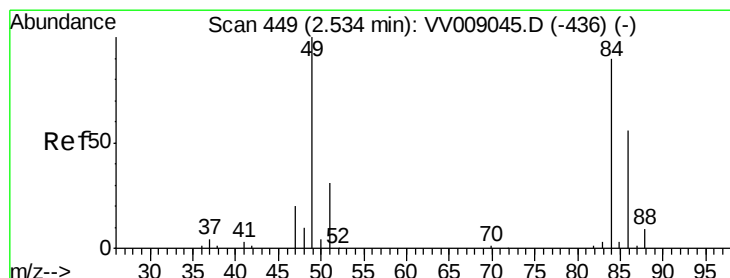
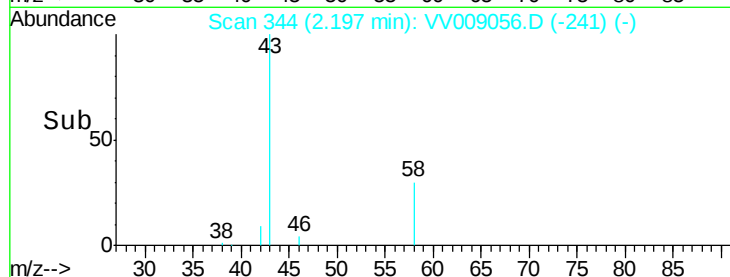
2000

1000

0

Time-->

2.15 2.20 2.25



#16

Methylene chloride

Concen: 3.181 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV009056.D

Acq: 19 Dec 2018 17:32

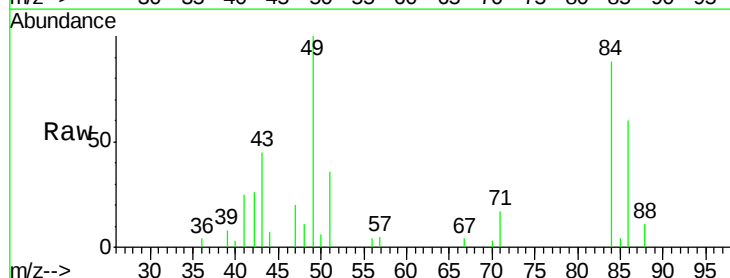
Tgt Ion: 84 Resp: 4607

Ion Ratio Lower Upper

84 100

49 114.1 80.5 149.5

86 68.0 45.5 84.5



Abundance Ion 84.00 (83.70 to 84.70): VV009045.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009045.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009045.D (-436) (-)

2.53

3000

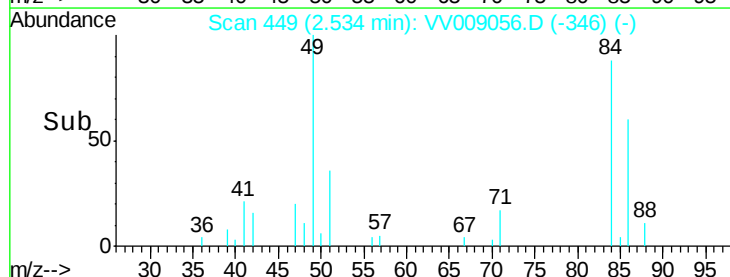
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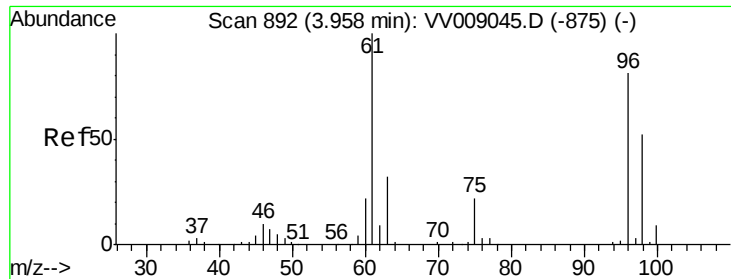
1000

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Time-->

2.50 2.55





#22

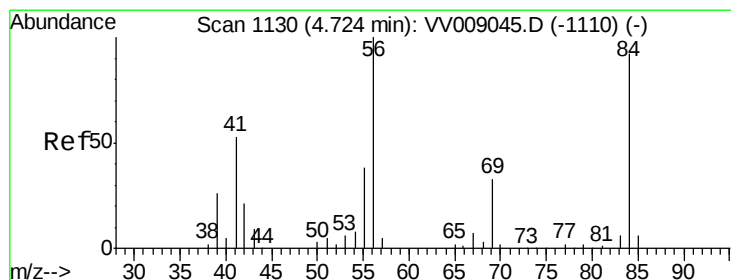
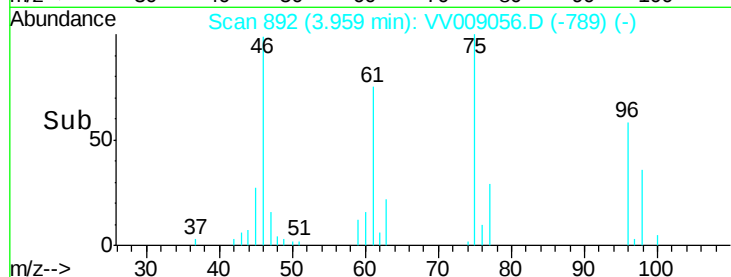
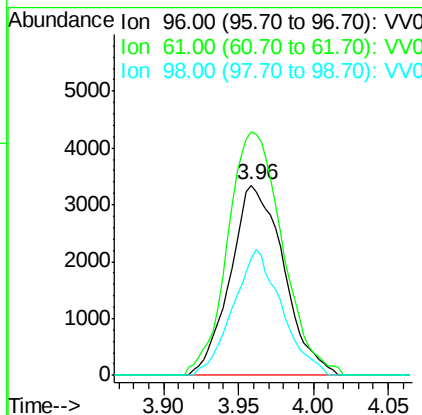
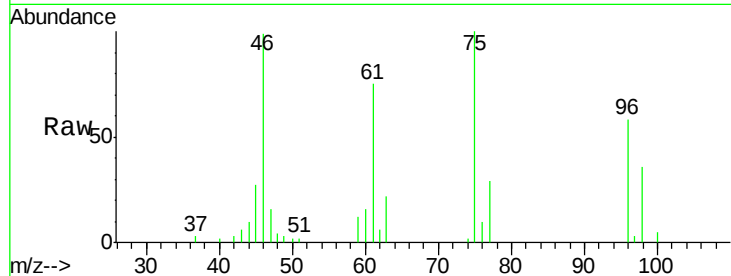
cis-1,2-Dichloroethene
Concen: 6.648 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV009056.D
Acq: 19 Dec 2018 17:32

Instrument :
MSVOA_V
ClientSampleId :
C0JG2

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.9	86.2	160.0
98	61.4	45.6	84.6

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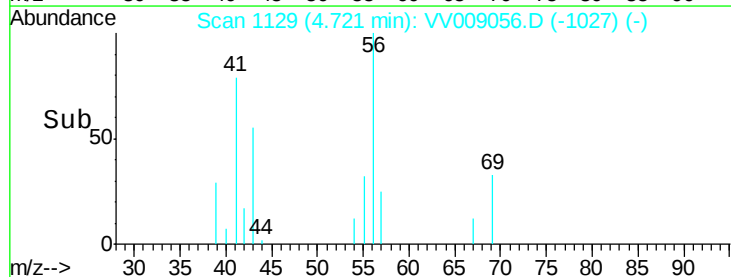
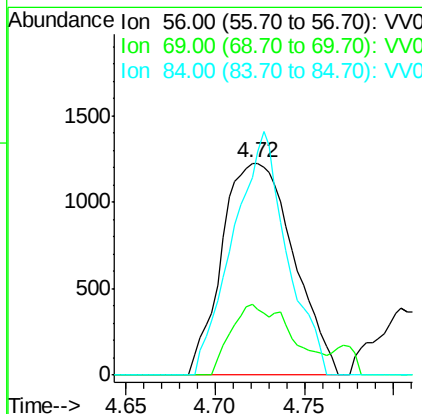
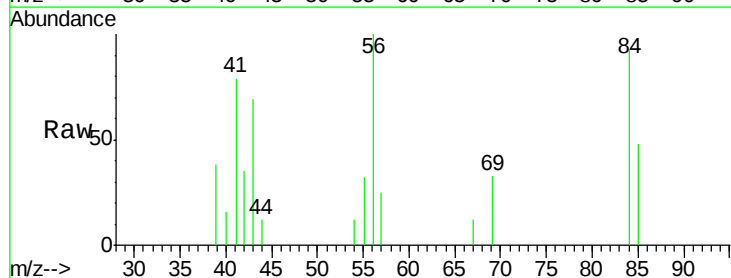
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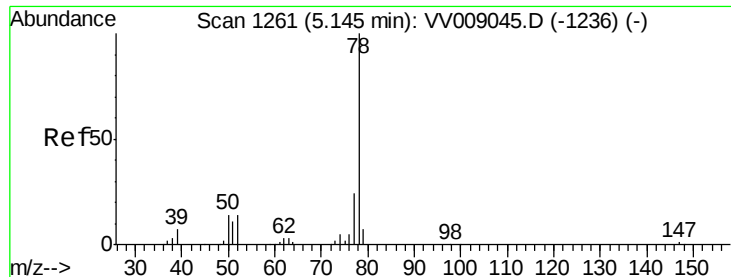


#30

Cyclohexane
Concen: 4.369 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV009056.D
Acq: 19 Dec 2018 17:32

Tgt Ion	Ratio	Lower	Upper
56	100		
69	17.1	25.8	38.8#
84	86.4	73.0	109.6





#34

Benzene

Concen: 7.004 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VV009056.D

Acq: 19 Dec 2018 17:32

Instrument :

MSVOA_V

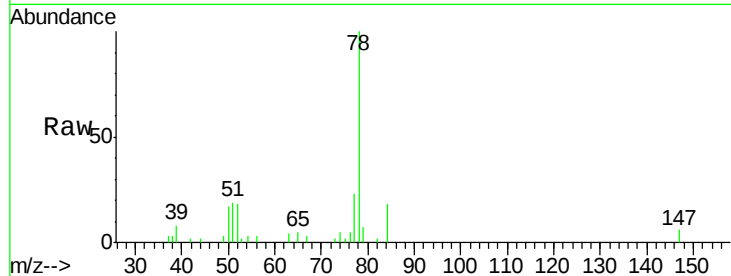
ClientSampleId :

C0JG2

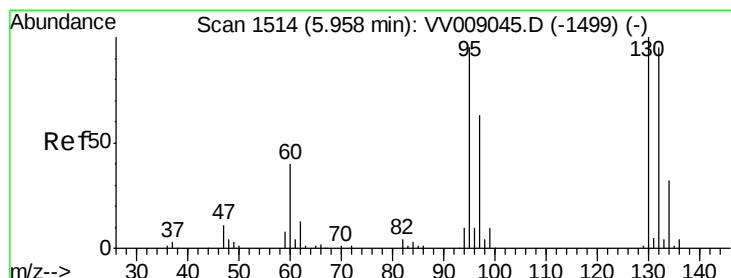
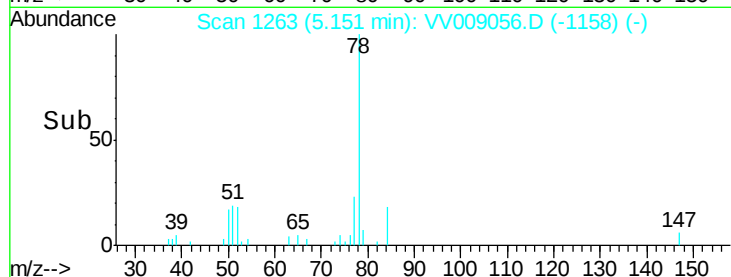
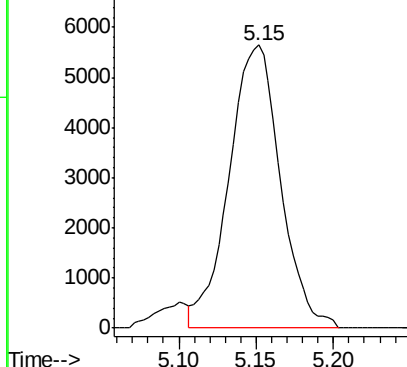
Tgt Ion: 78 Resp: 13060

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Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 5.139 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009056.D

Acq: 19 Dec 2018 17:32

Tgt Ion: 95 Resp: 2889

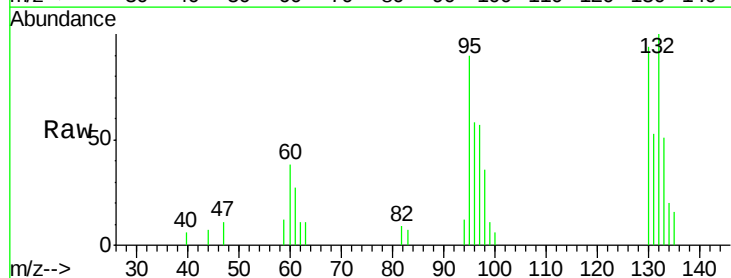
Ion	Ratio	Lower	Upper
95	100		
97	67.0	45.3	84.1
132	107.6	70.0	130.0
130	114.0	73.4	136.4

95 100

97 67.0 45.3 84.1

132 107.6 70.0 130.0

130 114.0 73.4 136.4

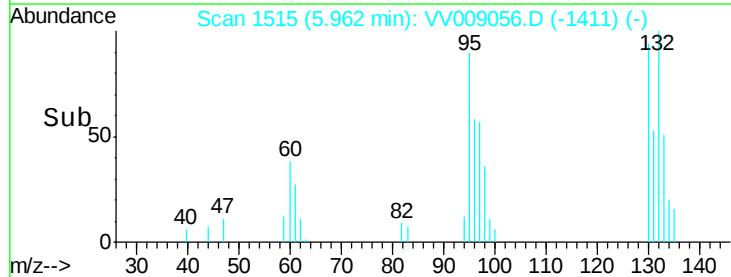
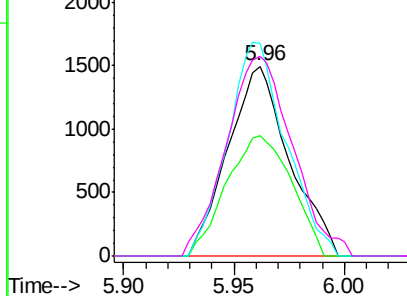


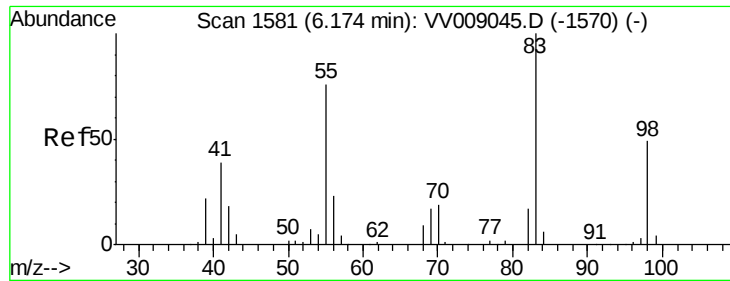
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0





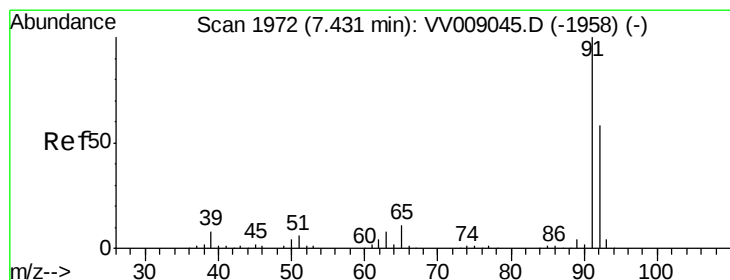
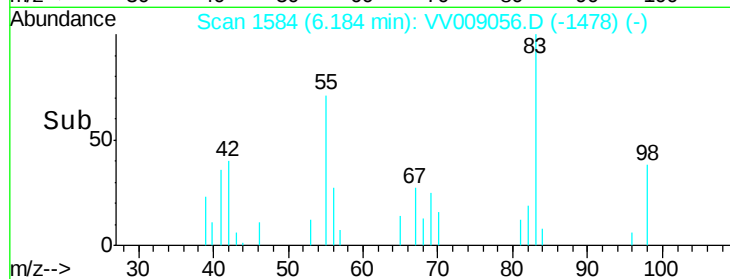
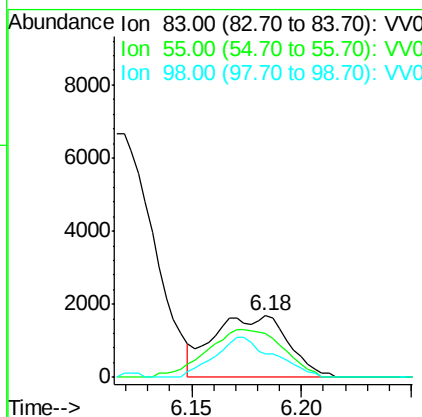
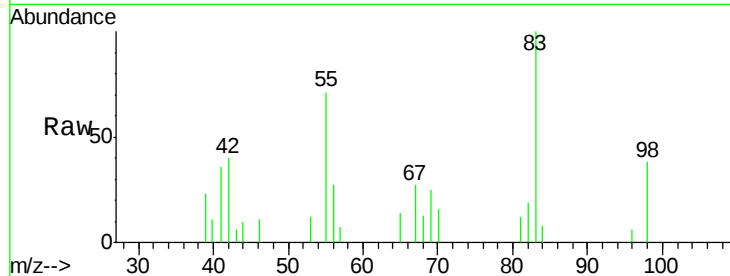
#36
Methylcyclohexane
Concen: 4.449 ug/L m
RT: 6.18 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VV009056.D
Acq: 19 Dec 2018 17:32

Instrument :
MSVOA_V
ClientSampleId :
C0JG2

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.3	58.2	87.2
98	50.8	37.8	56.8

Manual Integrations
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#44
Toluene
Concen: 1.444 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV009056.D
Acq: 19 Dec 2018 17:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.5	41.7	77.5

