

Data File : VV011114.D
Acq On : 29 May 2019 18:36
Operator : SY/MD
Sample : K3017-19MSD
Misc : 4.47G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F0MSD

Quant Time: May 30 03:57:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
Quant Title : VOC Analysis
QLast Update : Thu May 30 03:51:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	377628	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	315348	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	98428	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	109282	21.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.44%
7) Chloroethane-d5	1.56	69	86571	23.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.72%
10) 1,1-Dichloroethene-d2	2.12	63	223845	23.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.96%
20) 2-Butanone-d5	3.93	46	119055	66.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.44%
24) Chloroform-d	4.40	84	207954	22.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.84%
26) 1,2-Dichloroethane-d4	5.08	65	140058	23.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.68%
29) Benzene-d6	5.09	84	430977	23.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.36%
33) 1,2-Dichloropropane-d6	6.11	67	145021	24.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.76%
37) Toluene-d8	7.36	98	380326	22.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.40%
38) trans-1,3-Dichloropropene-	7.66	79	63379	23.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.64%
39) 2-Hexanone-d5	8.13	63	92250	72.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	144.16%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	123999	24.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	78361	20.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.52%

Target Compounds

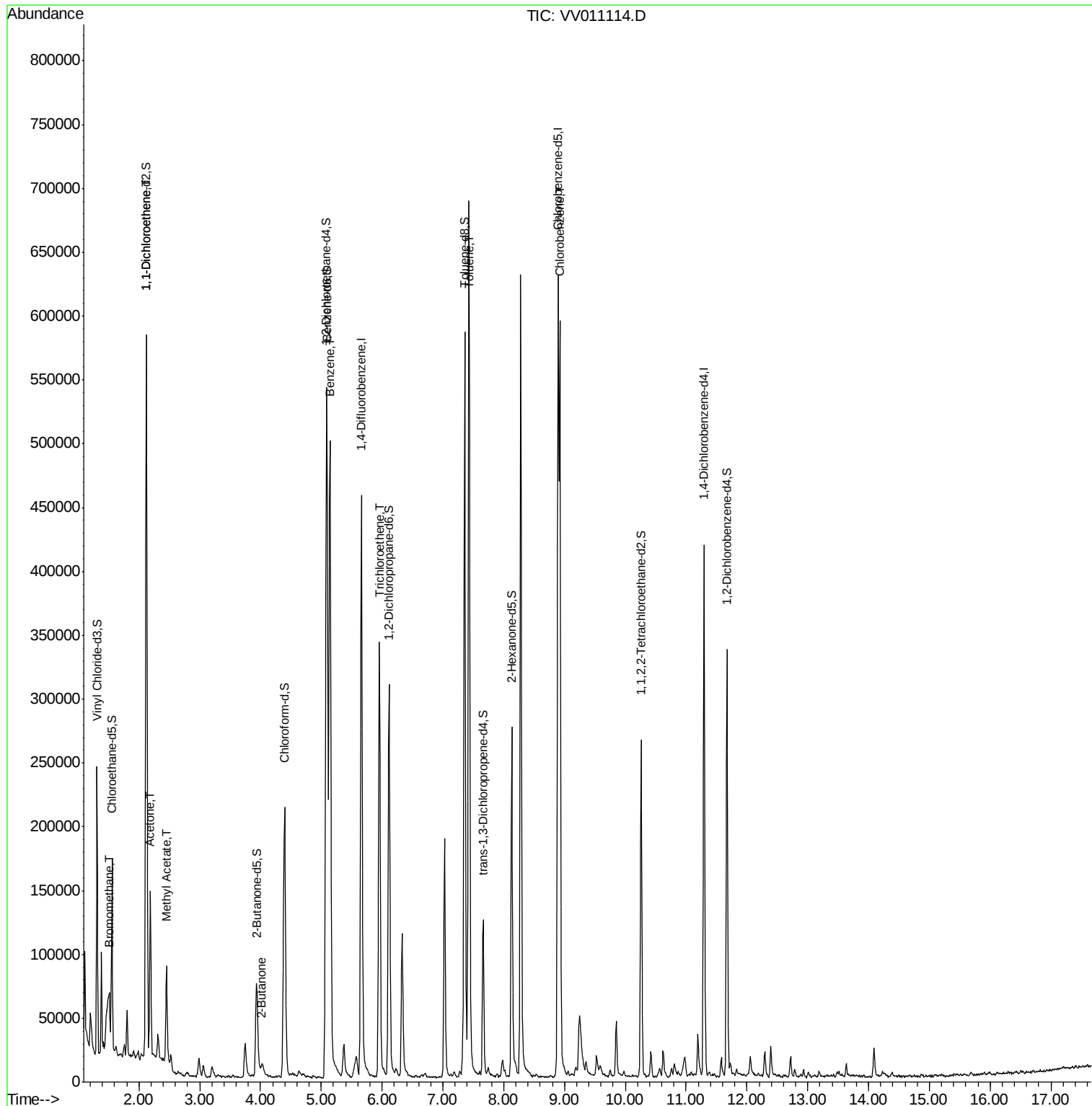
					Qvalue
6) Bromomethane	1.51	94	1673	0.692 ug/L	68
12) 1,1-Dichloroethene	2.13	96	94088	24.817 ug/L	99
13) Acetone	2.19	43	123288	60.988 ug/L	99
15) Methyl Acetate	2.45	43	76249	26.132 ug/L #	100
21) 2-Butanone	4.03	43	14675	5.895 ug/L	95
34) Benzene	5.14	78	467507	24.516 ug/L	100
35) Trichloroethene	5.96	95	114588	23.008 ug/L	99
44) Toluene	7.43	91	491086	23.686 ug/L	97
52) Chlorobenzene	8.92	112	278042	21.639 ug/L	98

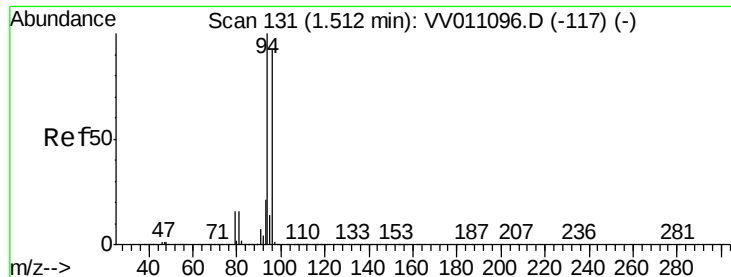
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 30 03:51:47 2019
Response via : Initial Calibration





#6

Bromomethane

Concen: 0.692 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.00 min

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Acq: 29 May 2019 18:36

Instrument :

MSVOA_V

ClientSampleId :

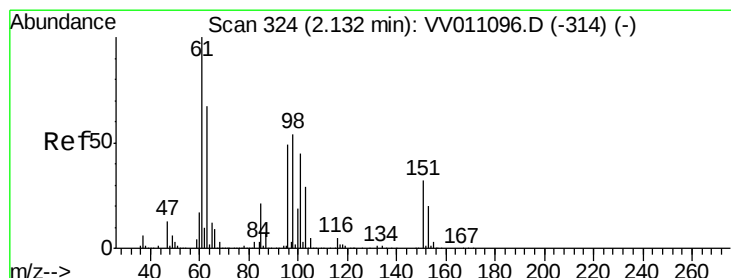
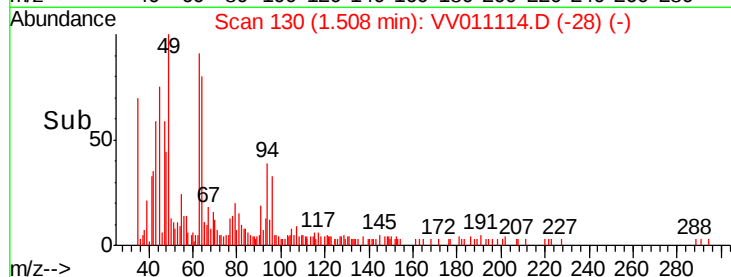
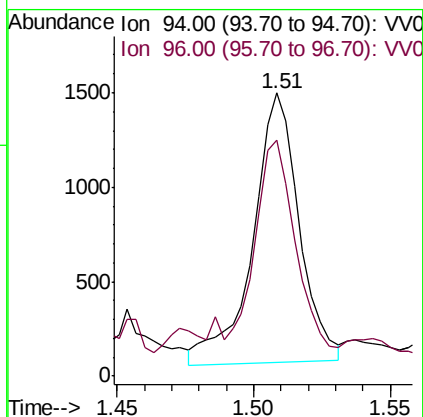
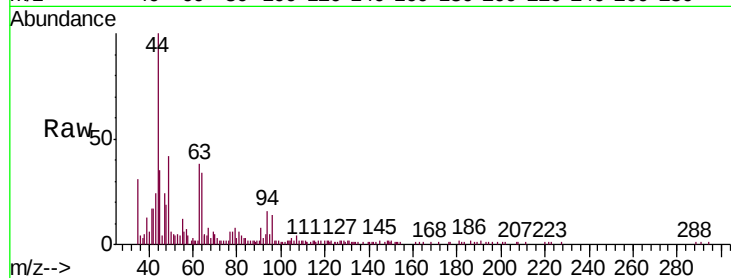
A51F0MSD

Tgt Ion: 94 Resp: 1673

Ion Ratio Lower Upper

94 100

96 63.8 9.5 179.7



#12

1,1-Dichloroethene

Concen: 24.817 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011114.D

Acq: 29 May 2019 18:36

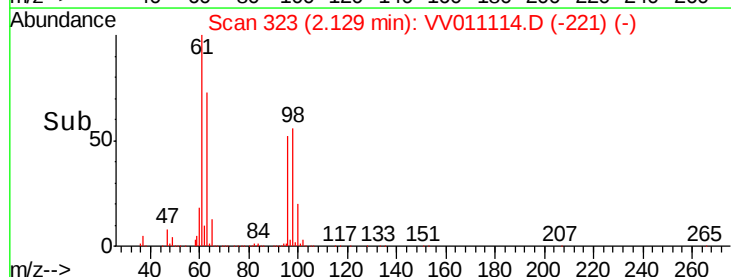
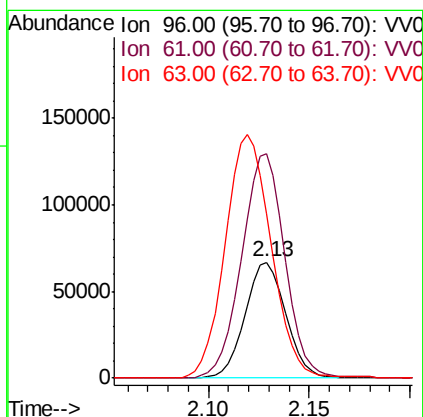
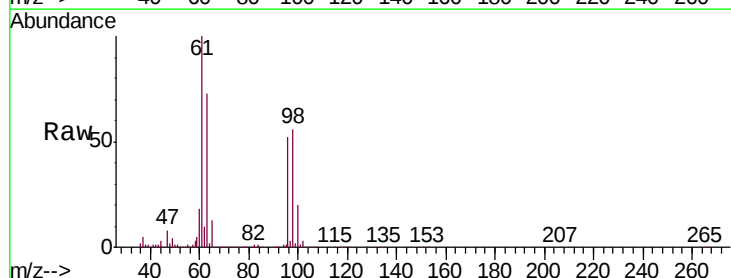
Tgt Ion: 96 Resp: 94088

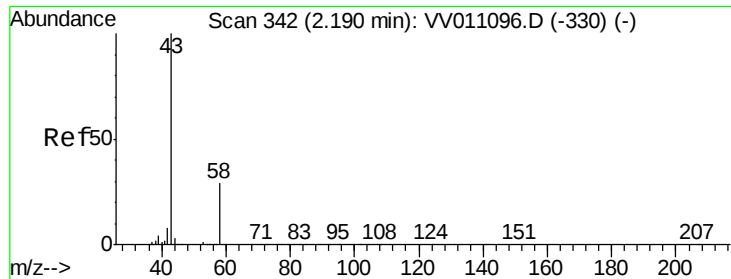
Ion Ratio Lower Upper

96 100

61 193.7 134.1 249.1

63 141.7 98.1 182.3

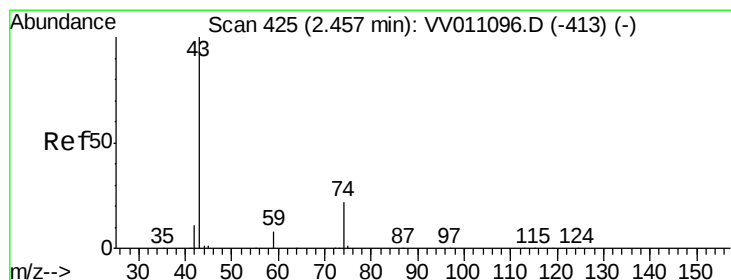
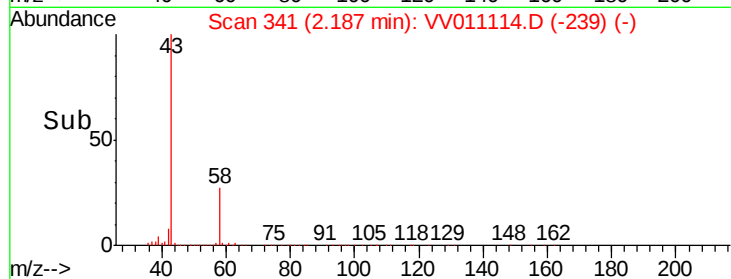
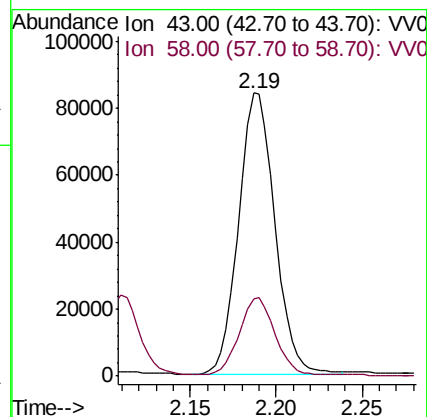
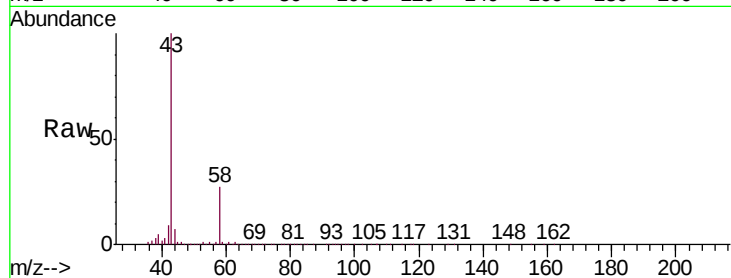




#13
Acetone
Concen: 60.988 ug/L
RT: 2.19 min Scan# 341
Delta R.T. -0.00 min
Lab File: VV011114.D
Acq: 29 May 2019 18:36

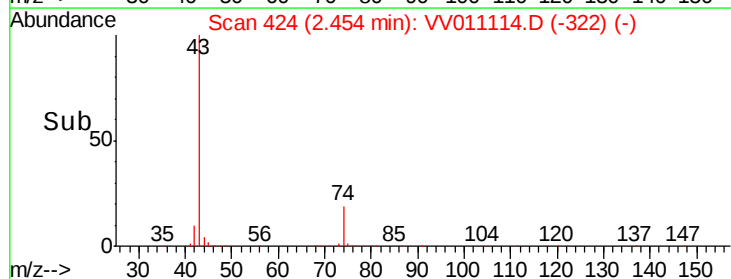
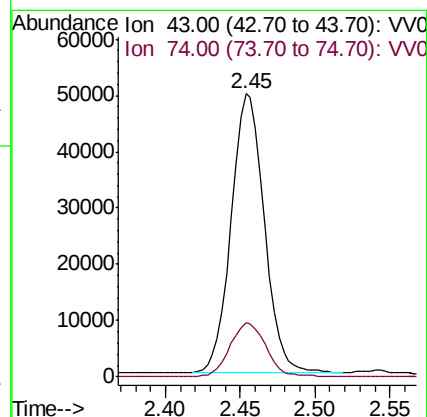
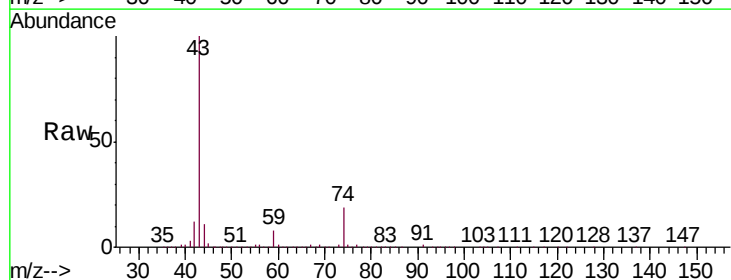
Instrument :
MSVOA_V
ClientSampleId :
A51F0MSD

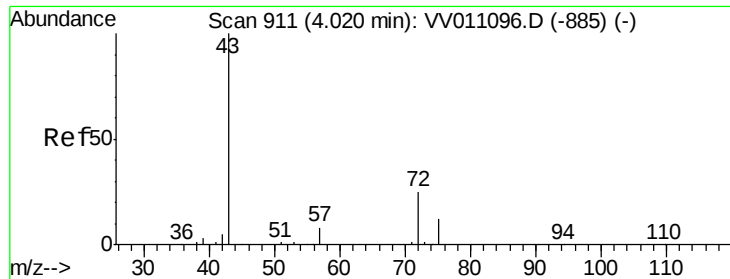
Tgt Ion: 43 Resp: 123288
Ion Ratio Lower Upper
43 100
58 27.0 0.0 54.8



#15
Methyl Acetate
Concen: 26.132 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV011114.D
Acq: 29 May 2019 18:36

Tgt Ion: 43 Resp: 76249
Ion Ratio Lower Upper
43 100
74 20.6 0.0 0.0#





#21

2-Butanone

Concen: 5.895 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.01 min

Lab File: VV011114.D

Acq: 29 May 2019 18:36

Instrument :

MSVOA_V

ClientSampleId :

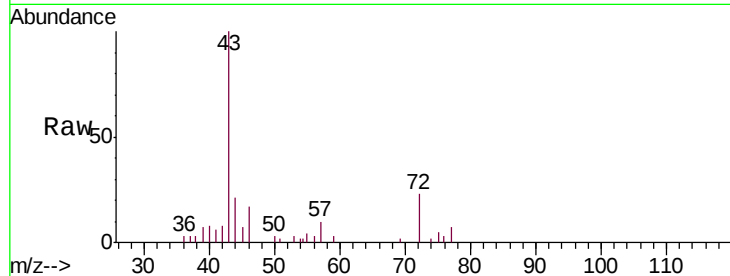
A51F0MSD

Tgt Ion: 43 Resp: 14675

Ion Ratio Lower Upper

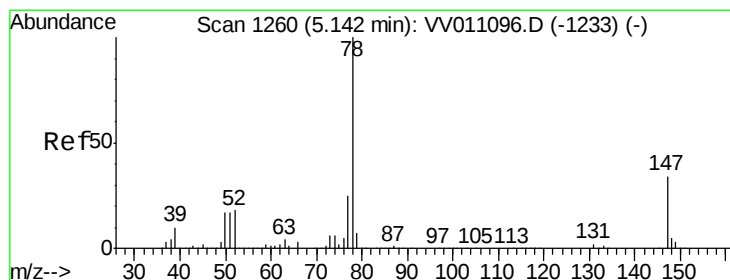
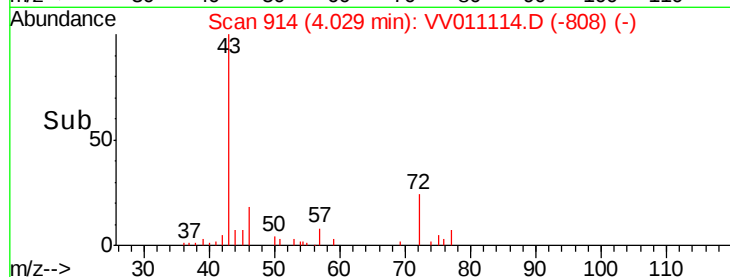
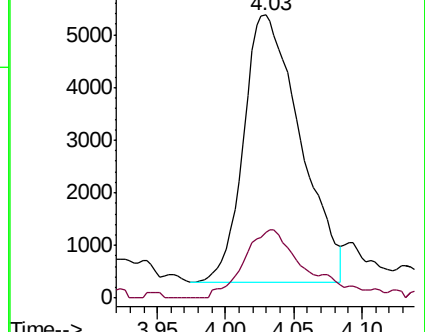
43 100

72 23.8 10.7 31.9



Abundance Ion 43.00 (42.70 to 43.70): VV011114.D (-808) (-)

Ion 72.00 (71.70 to 72.70): VV011114.D (-808) (-)



#34

Benzene

Concen: 24.516 ug/L

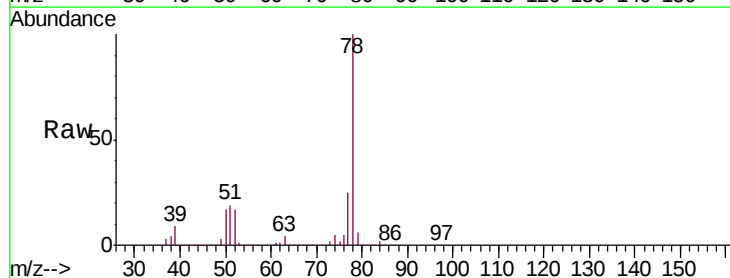
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV011114.D

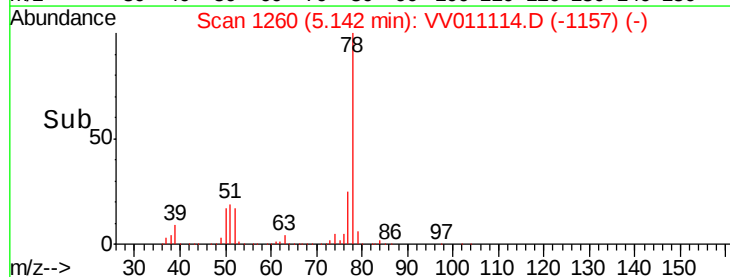
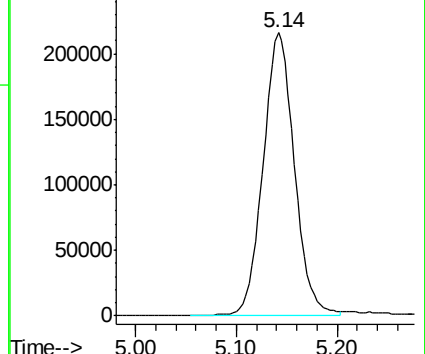
Acq: 29 May 2019 18:36

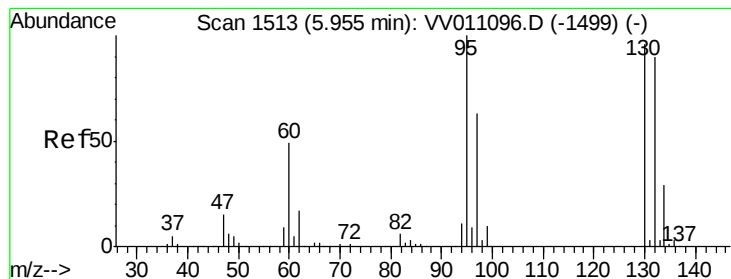
Tgt Ion: 78 Resp: 467507



Abundance Ion 78.00 (77.70 to 78.70): VV011114.D (-1157) (-)

Ion 78.00 (77.70 to 78.70): VV011114.D (-1157) (-)





#35

Trichloroethene

Concen: 23.008 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011114.D

Acq: 29 May 2019 18:36

Instrument :

MSVOA_V

ClientSampleId :

A51F0MSD

Tgt Ion: 95 Resp: 114588

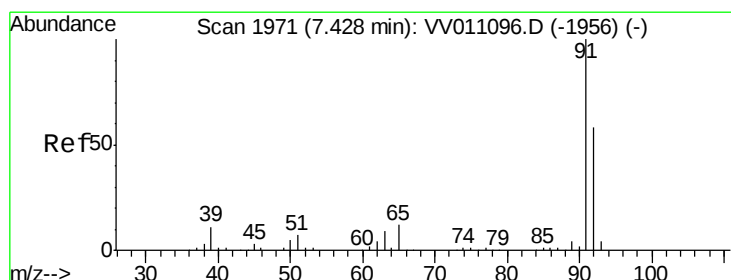
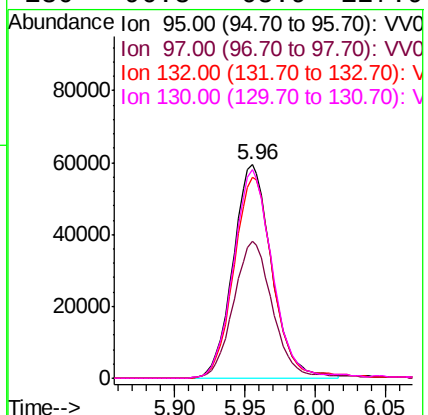
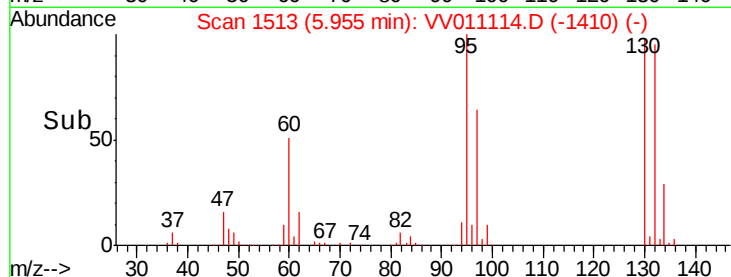
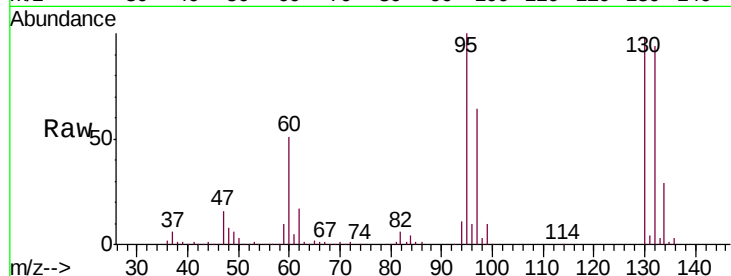
Ion Ratio Lower Upper

95 100

97 65.3 45.4 84.4

132 95.1 66.1 122.8

130 96.8 68.9 127.9



#44

Toluene

Concen: 23.686 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011114.D

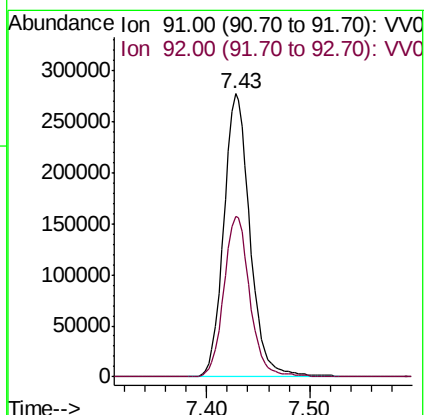
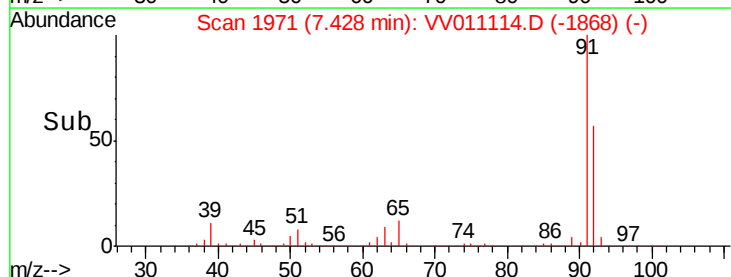
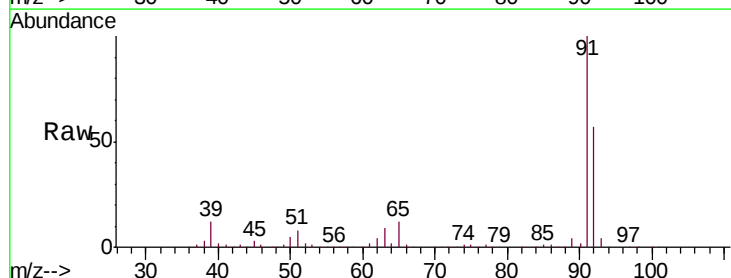
Acq: 29 May 2019 18:36

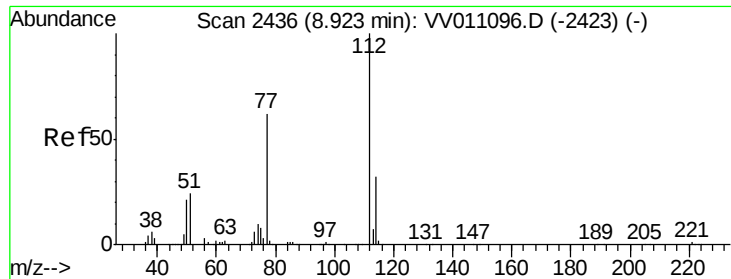
Tgt Ion: 91 Resp: 491086

Ion Ratio Lower Upper

91 100

92 56.6 41.0 76.2





#52

Chlorobenzene

Concen: 21.639 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV011114.D

Acq: 29 May 2019 18:36

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ClientSampleId :

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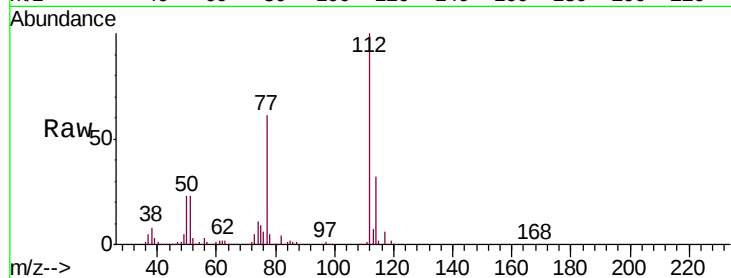
Tgt Ion:112 Resp: 278042

Ion Ratio Lower Upper

112 100

77 61.2 50.8 76.2

114 32.1 22.7 42.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

