

Data File : VV010404.D
Acq On : 20 Apr 2019 00:59
Operator : SY/MD
Sample : K2456-20MSD
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHN8MSD

Quant Time: Apr 20 04:39:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 20 04:30:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	38935	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	37088	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	15319	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10028	20.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.12%
7) Chloroethane-d5	1.58	69	9350	22.51	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.04%
10) 1,1-Dichloroethene-d2	2.13	63	18999	15.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.72%
20) 2-Butanone-d5	3.94	46	8991	58.39	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.78%
24) Chloroform-d	4.41	84	28507	27.85	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.40%
26) 1,2-Dichloroethane-d4	5.09	65	21203	35.09	ug/L	0.01
Spiked Amount	25.000	Range	70 - 130	Recovery	=	140.36%#
29) Benzene-d6	5.10	84	48257	25.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.68%
33) 1,2-Dichloropropane-d6	6.12	67	16704	30.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	120.28%#
37) Toluene-d8	7.36	98	43794	24.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.00%
38) trans-1,3-Dichloropropene-	7.67	79	6230	22.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.20%
39) 2-Hexanone-d5	8.14	63	6075	49.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.22%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	20078	36.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	144.52%#
61) 1,2-Dichlorobenzene-d4	11.68	152	17201	28.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.24%

Target Compounds

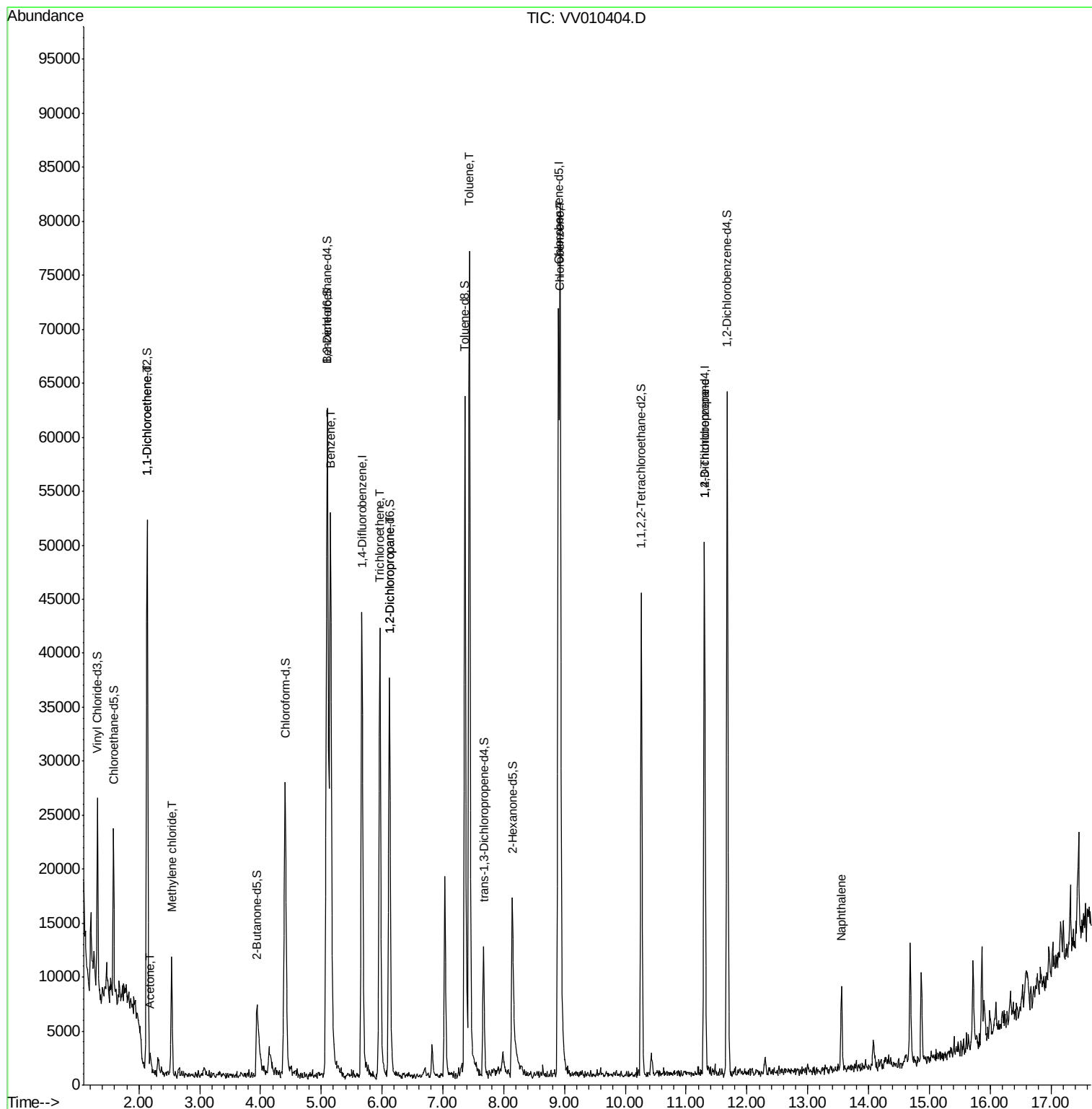
					Qvalue
12) 1,1-Dichloroethene	2.14	96	10238	20.241 ug/L	88
13) Acetone	2.19	43	1280	7.877 ug/L	59
16) Methylene chloride	2.54	84	3759	6.044 ug/L	78
34) Benzene	5.15	78	48312	26.694 ug/L	100
35) Trichloroethene	5.96	95	13907	25.972 ug/L	97
40) 1,2-Dichloropropane	6.13	63	2094	4.511 ug/L #	86
44) Toluene	7.43	91	58340	28.594 ug/L	95
52) Chlorobenzene	8.93	112	40042	28.205 ug/L	95
59) 1,2,3-Trichloropropane	11.31	75	1778	4.541 ug/L #	47
69) Naphthalene	13.56	128	7024	6.125 ug/L #	80

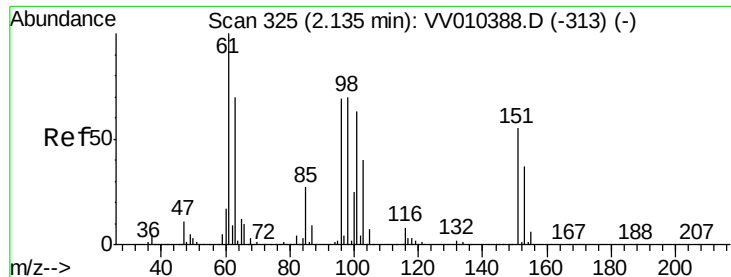
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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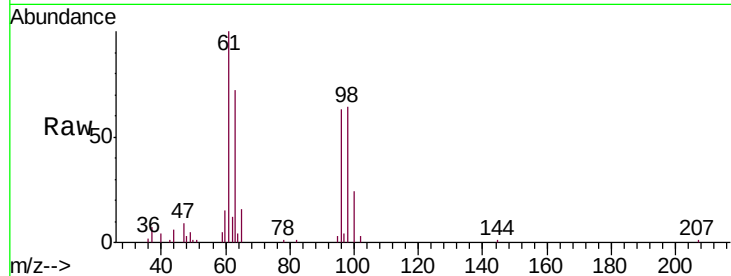




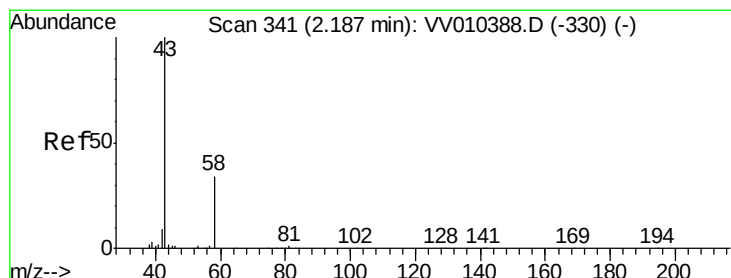
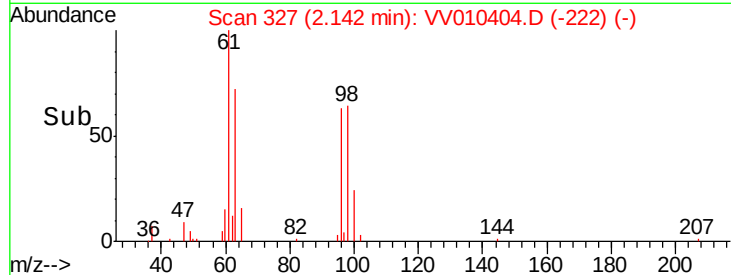
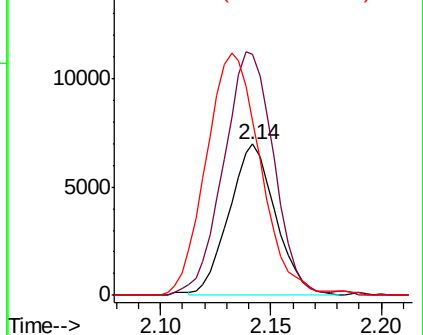
#12
 1,1-Dichloroethene
 Concen: 20.241 ug/L
 RT: 2.14 min Scan# 327
 Delta R.T. 0.01 min
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Instrument :
 MSVOA_V
 ClientSampled :
 GAHN8MSD

Tgt Ion: 96 Resp: 10238
 Ion Ratio Lower Upper
 96 100
 61 159.3 124.7 231.5
 63 115.4 88.7 164.7

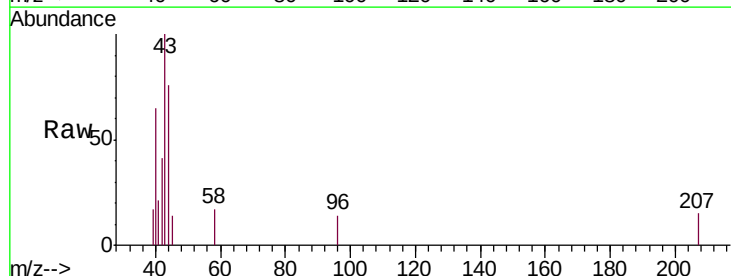


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 63.00 (62.70 to 63.70): VV0

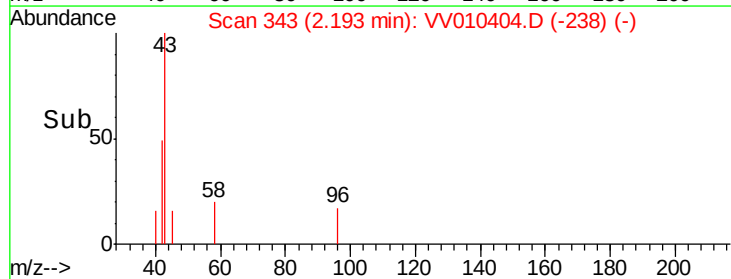
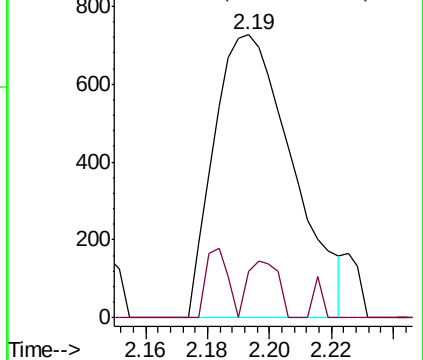


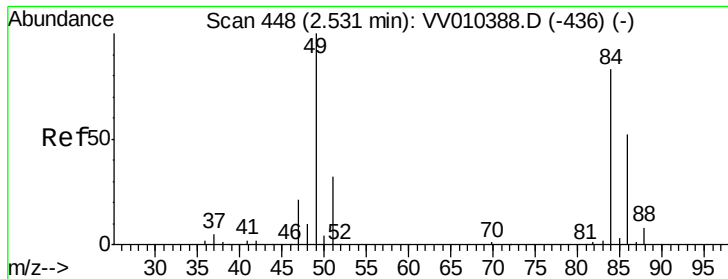
#13
 Acetone
 Concen: 7.877 ug/L
 RT: 2.19 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VV010404.D
 Acq: 20 Apr 2019 00:59

Tgt Ion: 43 Resp: 1280
 Ion Ratio Lower Upper
 43 100
 58 7.9 0.0 60.0



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 58.00 (57.70 to 58.70): VV0

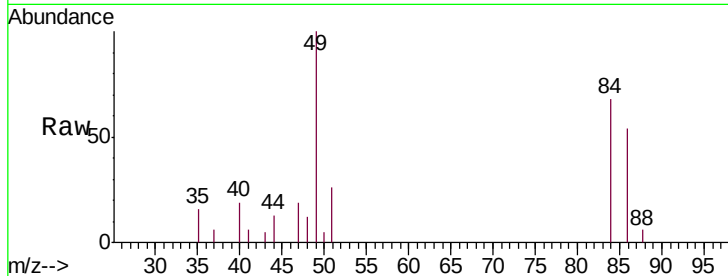




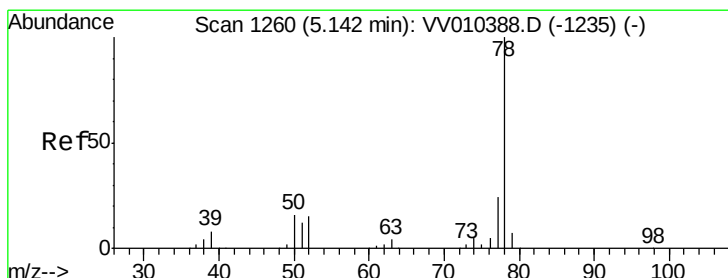
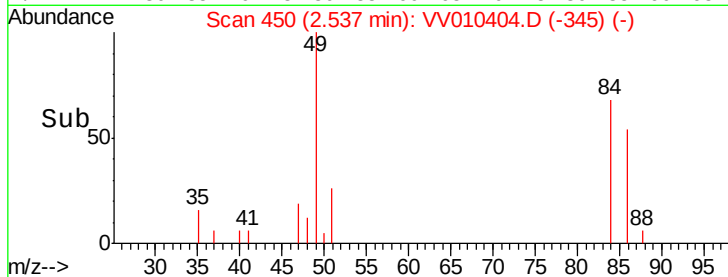
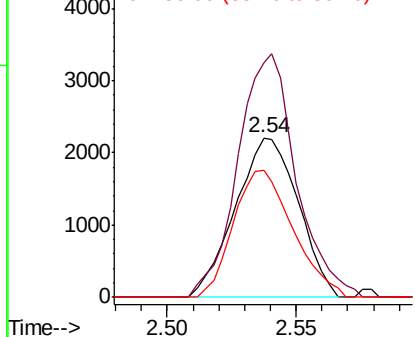
#16
Methylene chloride
Concen: 6.044 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.01 min
Lab File: VV010404.D
Acq: 20 Apr 2019 00:59

Instrument :
MSVOA_V
ClientSampleId :
GAHN8MSD

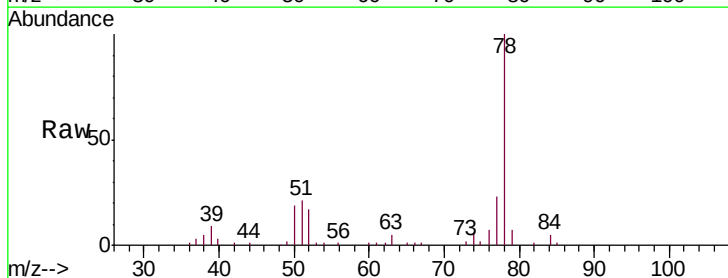
Tgt Ion: 84 Resp: 3759
Ion Ratio Lower Upper
84 100
49 147.3 83.8 155.6
86 80.0 46.1 85.5



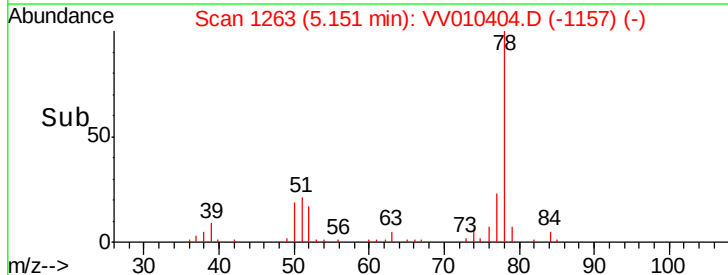
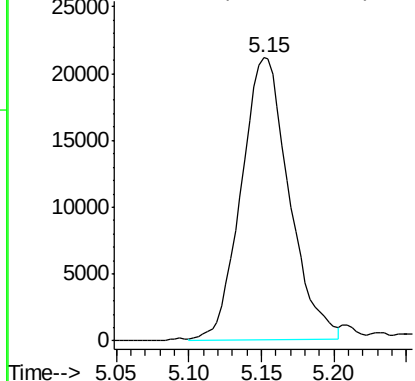
Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

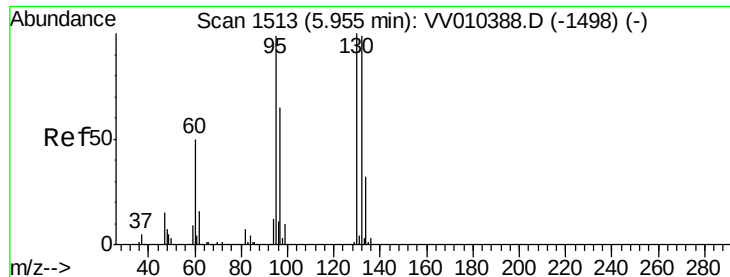


#34
Benzene
Concen: 26.694 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VV010404.D
Acq: 20 Apr 2019 00:59
Tgt Ion: 78 Resp: 48312



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 25.972 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV010404.D

Acq: 20 Apr 2019 00:59

Instrument :

MSVOA_V

ClientSampled :

GAHN8MSD

Tgt Ion: 95 Resp: 13907

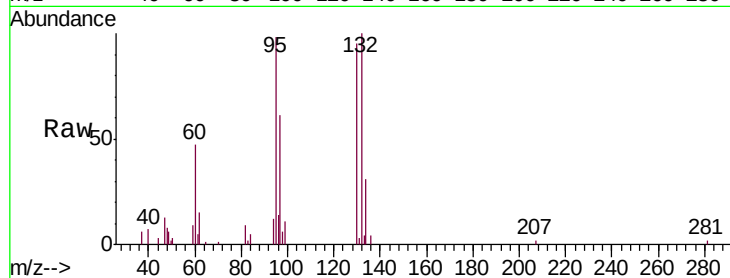
Ion Ratio Lower Upper

95 100

97 65.1 45.6 84.8

132 99.1 71.5 132.7

130 99.5 74.0 137.4

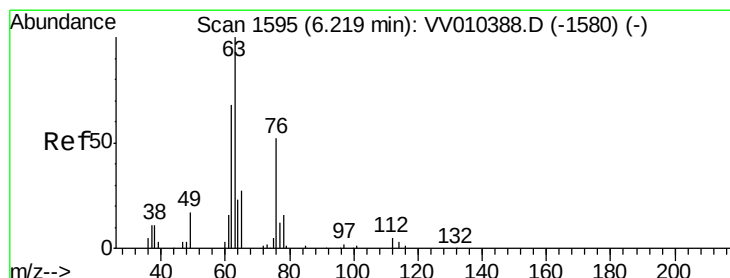
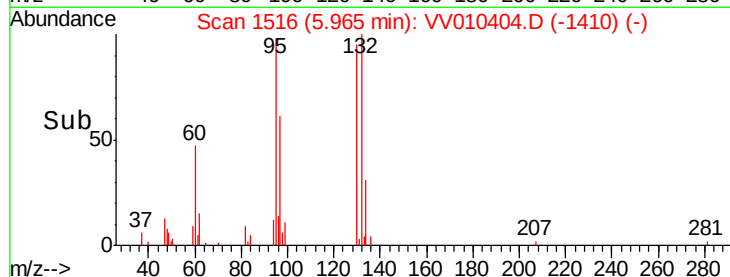
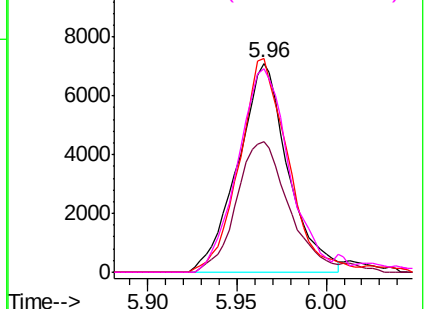


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#40

1,2-Dichloropropane

Concen: 4.511 ug/L

RT: 6.13 min Scan# 1567

Delta R.T. -0.09 min

Lab File: VV010404.D

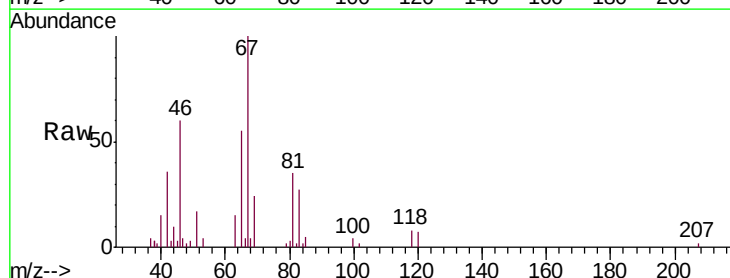
Acq: 20 Apr 2019 00:59

Tgt Ion: 63 Resp: 2094

Ion Ratio Lower Upper

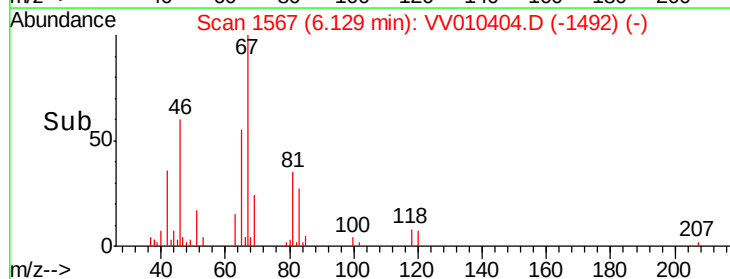
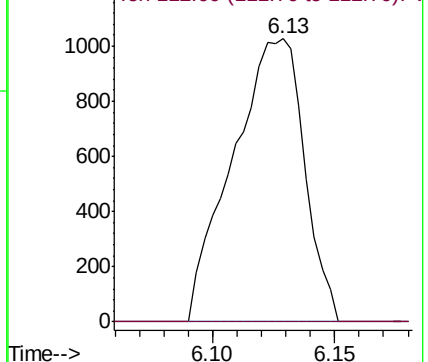
63 100

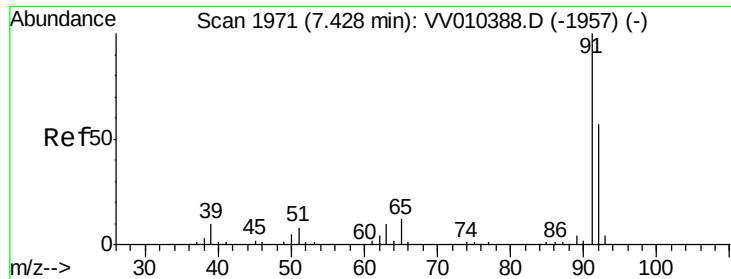
112 0.0 3.6 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V





#44

Toluene

Concen: 28.594 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV010404.D

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MSVOA_V

ClientSampleId :

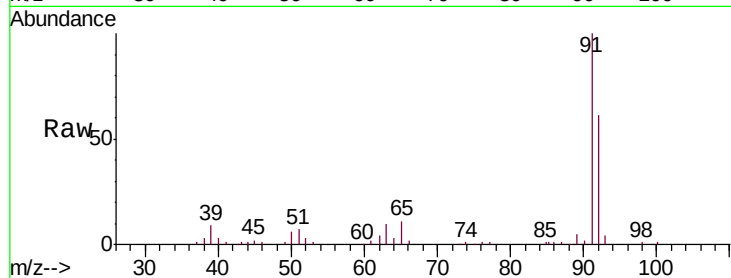
GAHN8MSD

Tgt Ion: 91 Resp: 58340

Ion Ratio Lower Upper

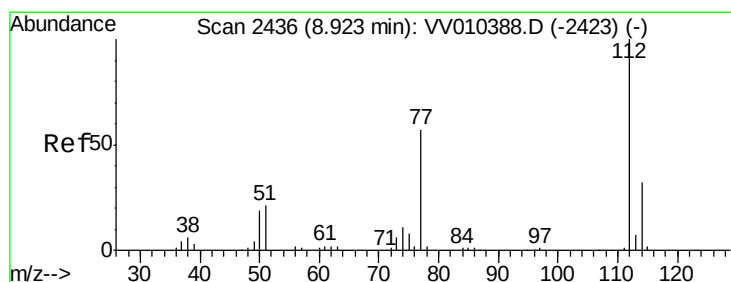
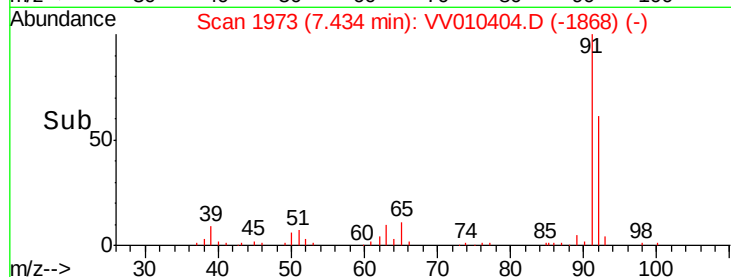
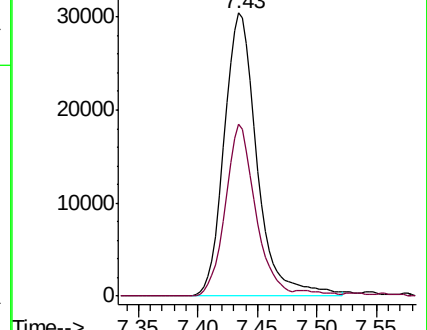
91 100

92 60.8 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV010388.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV010388.D (-1957) (-)



#52

Chlorobenzene

Concen: 28.205 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010404.D

Acq: 20 Apr 2019 00:59

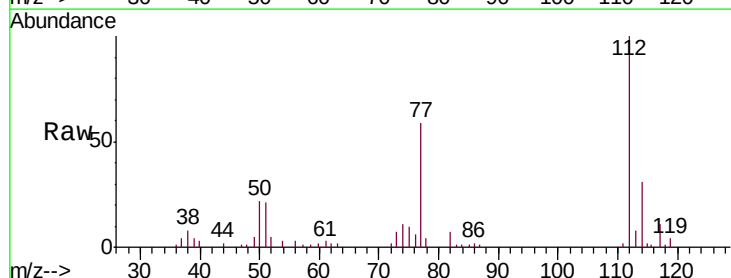
Tgt Ion: 112 Resp: 40042

Ion Ratio Lower Upper

112 100

77 58.7 43.0 64.4

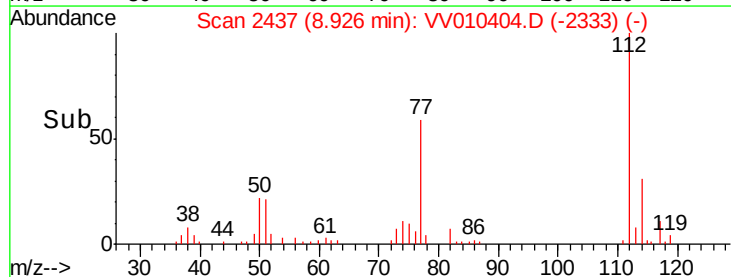
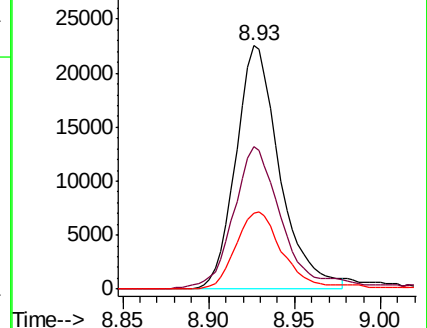
114 31.0 22.5 41.9

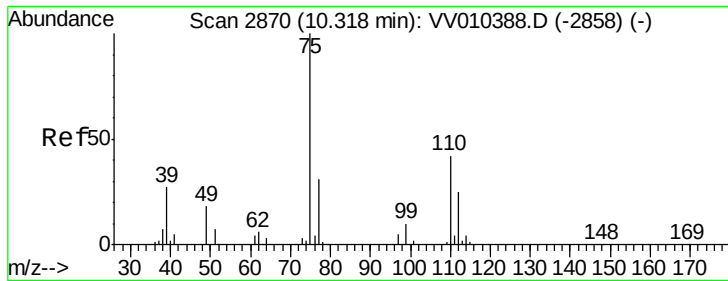


Abundance Ion 112.00 (111.70 to 112.70): VV010388.D (-2423) (-)

Ion 77.00 (76.70 to 77.70): VV010388.D (-2423) (-)

Ion 114.00 (113.70 to 114.70): VV010388.D (-2423) (-)





#59

1,2,3-Trichloropropane

Concen: 4.541 ug/L

RT: 11.31 min Scan# 3178

Delta R.T. 0.99 min

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ClientSampleId :

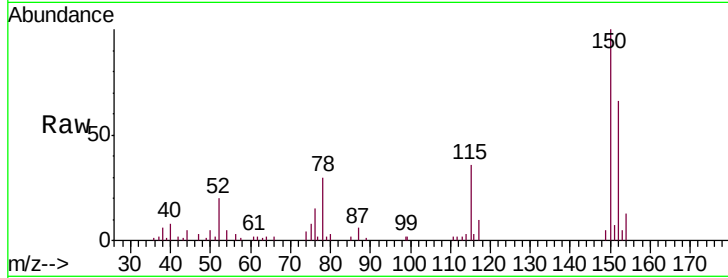
GAHN8MSD

Tgt Ion: 75 Resp: 1778

Ion Ratio Lower Upper

75 100

77 2.7 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VV010388.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV010388.D (-2858) (-)

11.31

800

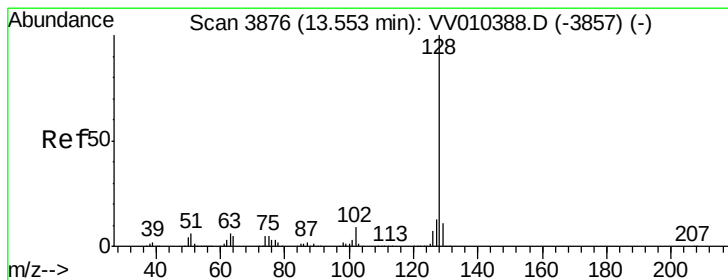
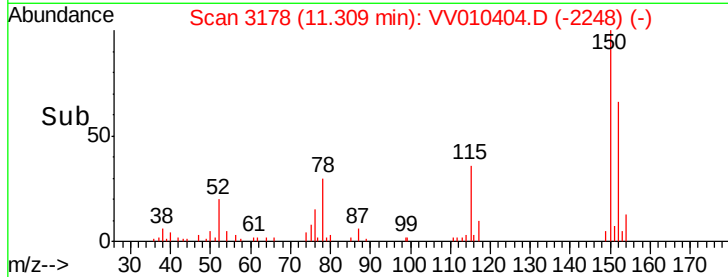
600

400

200

0

Time--> 11.25 11.30 11.35



#69

Naphthalene

Concen: 6.125 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV010404.D

Acq: 20 Apr 2019 00:59

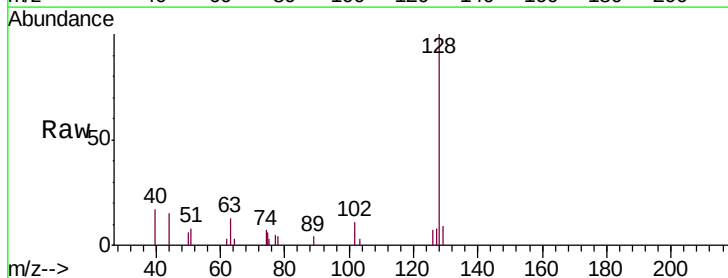
Tgt Ion: 128 Resp: 7024

Ion Ratio Lower Upper

128 100

129 3.6 8.7 13.1#

127 5.0 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): VV010388.D (-3857) (-)

Ion 129.00 (128.70 to 129.70): VV010388.D (-3857) (-)

Ion 127.00 (126.70 to 127.70): VV010388.D (-3857) (-)

13.56

4000

3000

2000

1000

0

Time--> 13.50 13.55 13.60

