

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082319\
 Data File : VV012388.D
 Acq On : 24 Aug 2019 02:26
 Operator : SY/MD
 Sample : K4500-05MSD
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GANJ9MSD

Quant Time: Aug 26 09:14:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 26 07:59:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	273336	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	261847	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	105997	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58140	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.58	69	43399	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.13	63	106098	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.40%
20) 2-Butanone-d5	3.96	46	163760	44.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.96%
24) Chloroform-d	4.40	84	130019	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
26) 1,2-Dichloroethane-d4	5.08	65	65398	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
32) Benzene-d6	5.10	84	266320	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
36) 1,2-Dichloropropane-d6	6.12	67	80846	4.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.80%
41) Toluene-d8	7.36	98	220354	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	7.67	79	27069	3.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.00%
46) 2-Hexanone-d5	8.14	63	87635	38.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.16%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	49811	3.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	77125	4.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.40%

Target Compounds

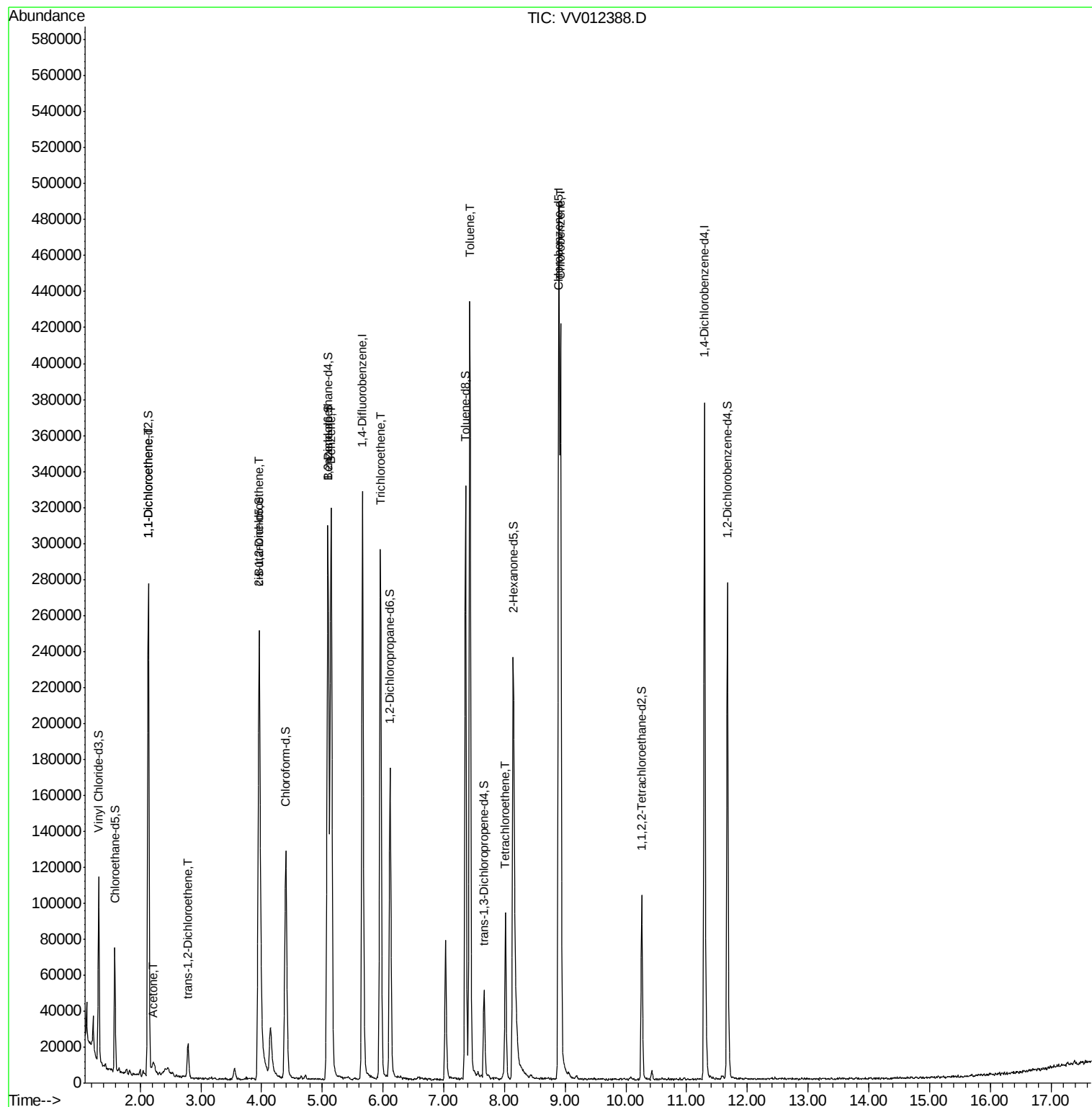
					Ovalue
12) 1,1-Dichloroethene	2.14	96	50457	4.602 ug/L	94
13) Acetone	2.21	43	12145	7.625 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	6738	0.413 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	100084	5.628 ug/L	99
33) Benzene	5.14	78	312816	4.685 ug/L	100
34) Trichloroethene	5.96	95	101432	5.628 ug/L	98
42) Toluene	7.43	91	310724	4.556 ug/L	99
47) Tetrachloroethene	8.02	164	20506	1.410 ug/L	94
51) Chlorobenzene	8.92	112	215143	4.828 ug/L	99

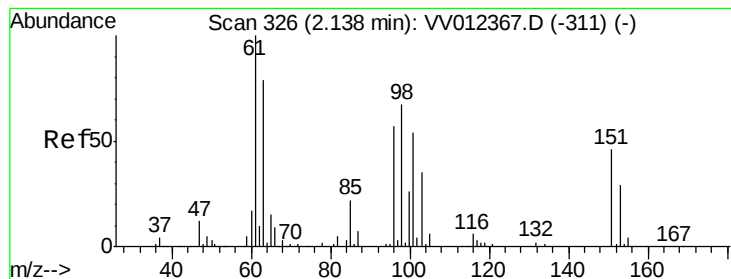
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 26 07:59:52 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.602 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012388.D

Acq: 24 Aug 2019 02:26

Instrument :

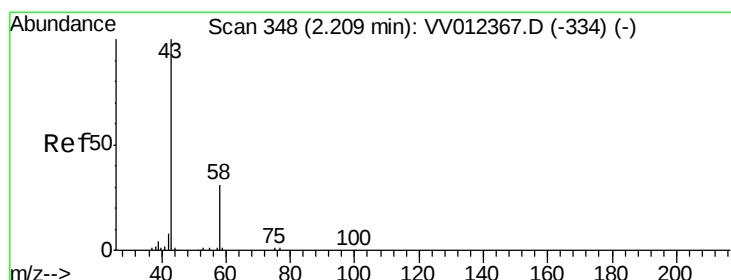
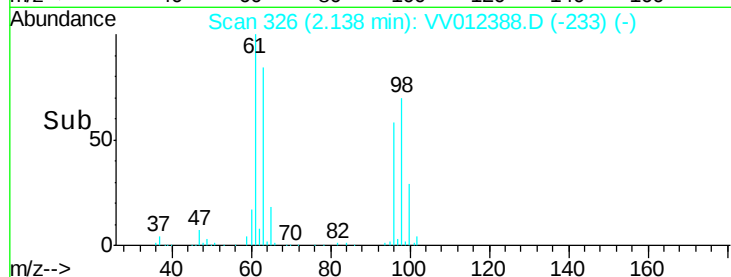
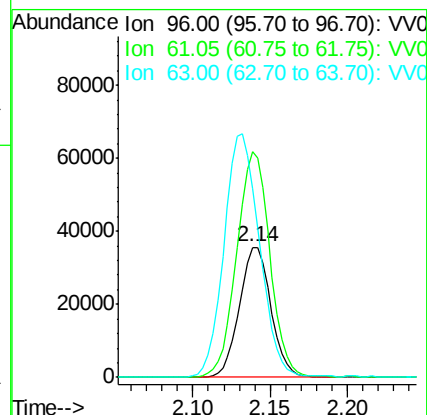
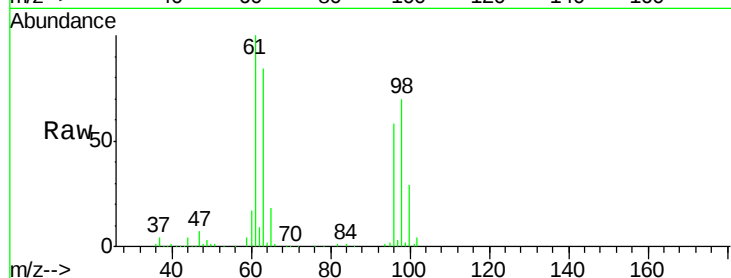
MSVOA_V

ClientSampleId :

GANJ9MSD

Tot Ion: 96 Resp: 50457

Ion	Ratio	Lower	Upper
96	100		
61	173.3	122.3	227.1
63	144.8	90.6	168.2



#13

Acetone

Concen: 7.625 ug/L

RT: 2.21 min Scan# 349

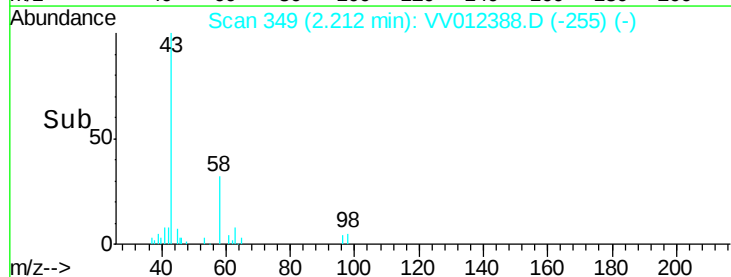
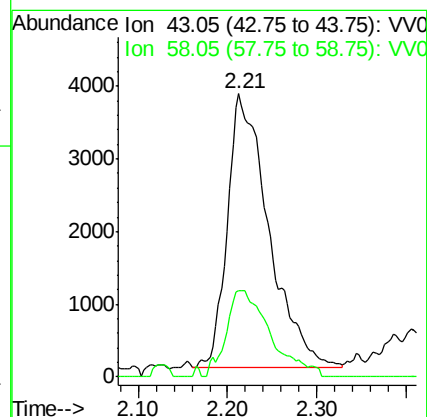
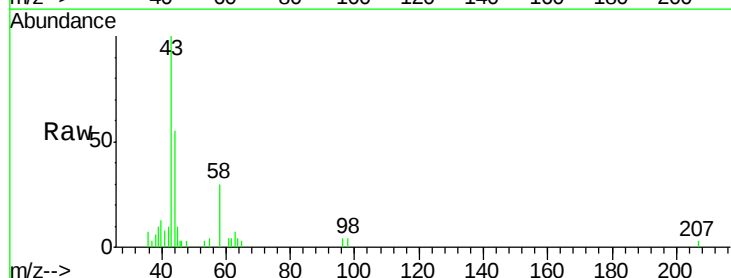
Delta R.T. 0.00 min

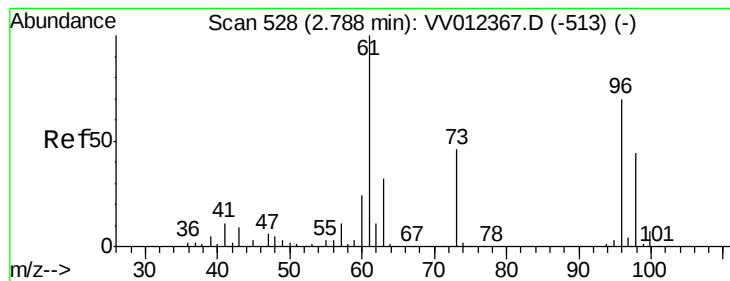
Lab File: VV012388.D

Acq: 24 Aug 2019 02:26

Tgt Ion: 43 Resp: 12145

Ion	Ratio	Lower	Upper
43	100		
58	33.6	0.0	62.8





#18

trans-1,2-Dichloroethene

Concen: 0.413 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012388.D

Acq: 24 Aug 2019 02:26

Instrument :

MSVOA_V

ClientSampleId :

GANJ9MSD

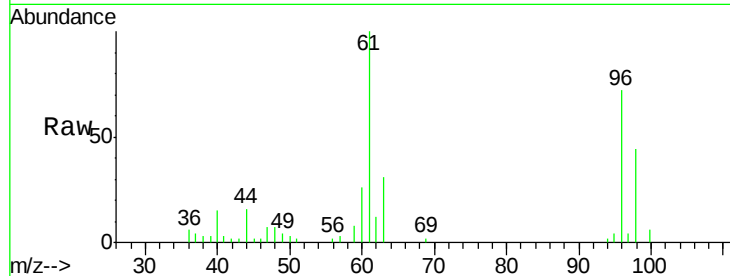
Tot Ion: 96 Resp: 6738

Ion Ratio Lower Upper

96 100

61 139.5 96.0 178.4

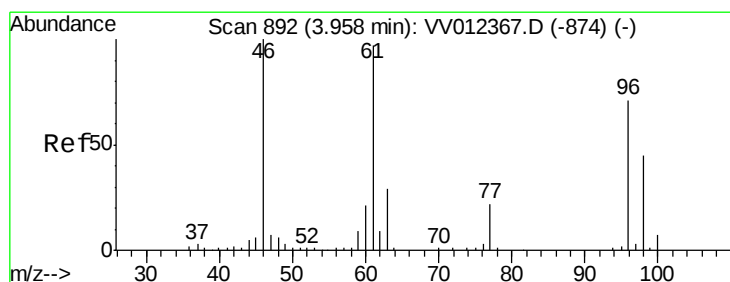
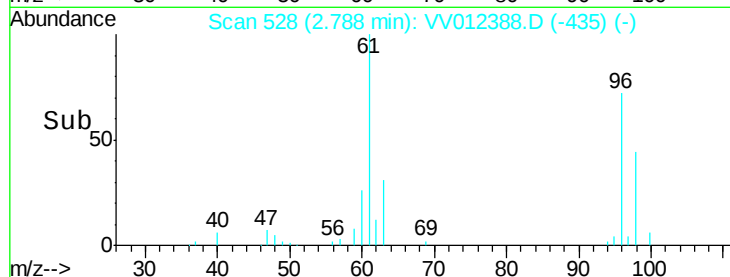
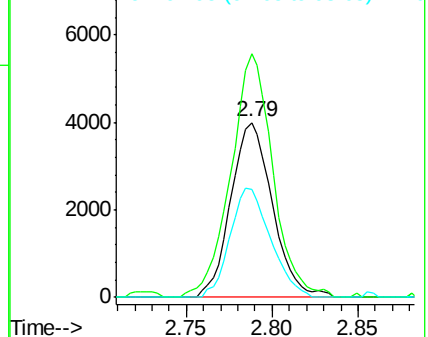
98 61.6 42.1 78.3



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#22

cis-1,2-Dichloroethene

Concen: 5.628 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV012388.D

Acq: 24 Aug 2019 02:26

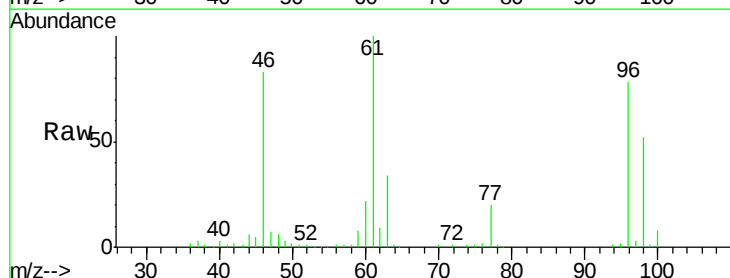
Tgt Ion: 96 Resp: 100084

Ion Ratio Lower Upper

96 100

61 129.0 89.4 166.0

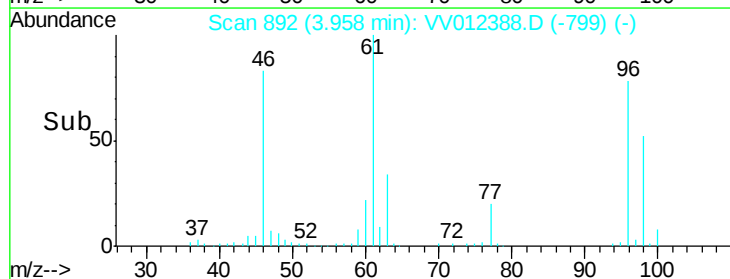
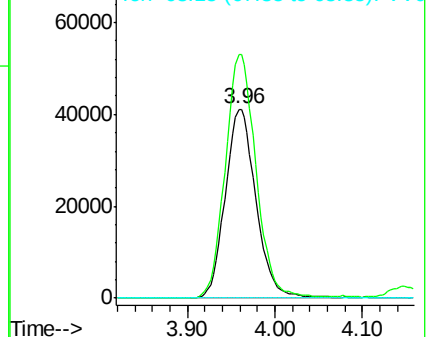
68 0.0 0.0 0.0

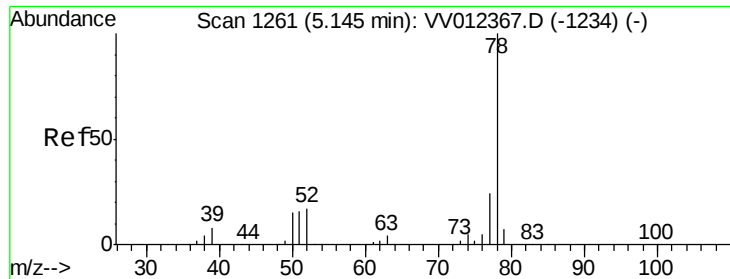


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#33

Benzene

Concen: 4.685 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV012388.D

Acq: 24 Aug 2019 02:26

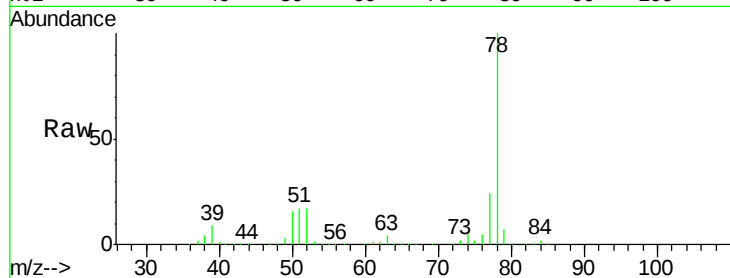
Instrument :

MSVOA_V

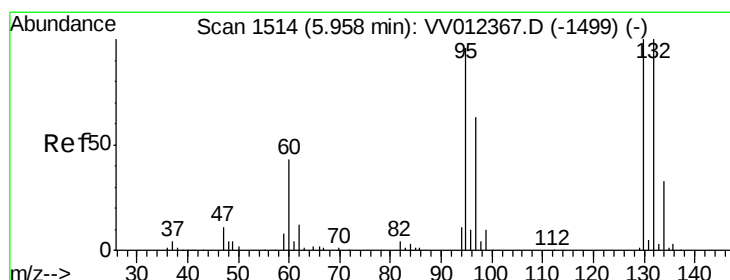
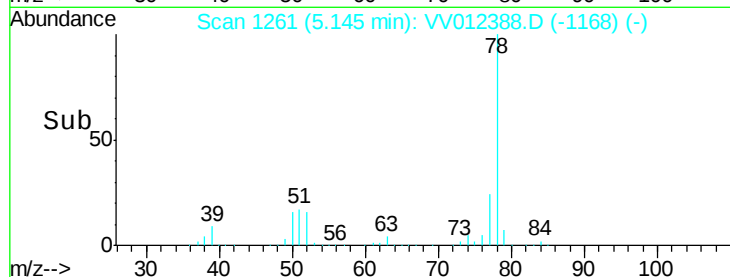
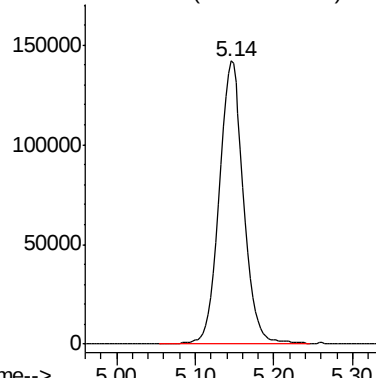
ClientSampleId :

GANJ9MSD

Tgt Ion: 78 Resp: 312816



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 5.628 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012388.D

Acq: 24 Aug 2019 02:26

Tgt Ion: 95 Resp: 101432

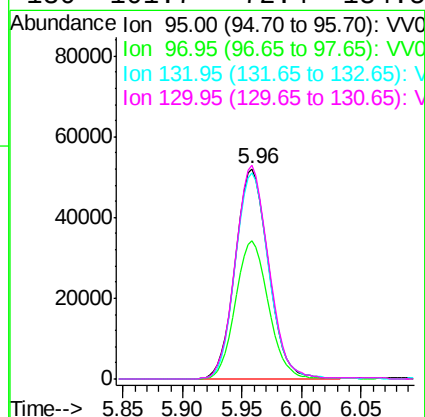
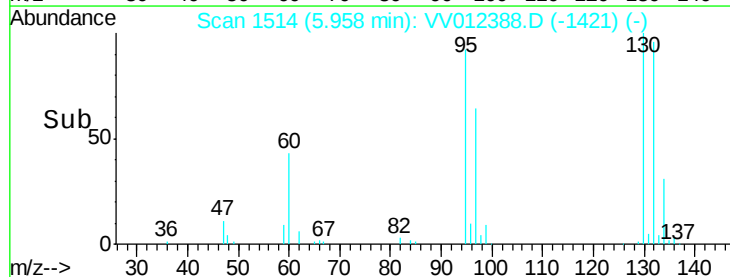
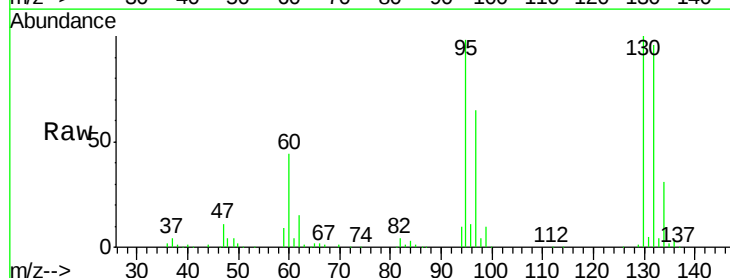
Ion	Ratio	Lower	Upper
95	100		
97	65.8	46.3	86.1
132	98.0	70.3	130.7
130	101.7	72.4	134.5

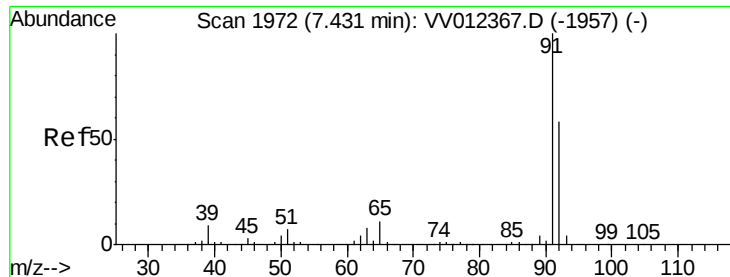
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#42

Toluene

Concen: 4.556 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012388.D

Acq: 24 Aug 2019 02:26

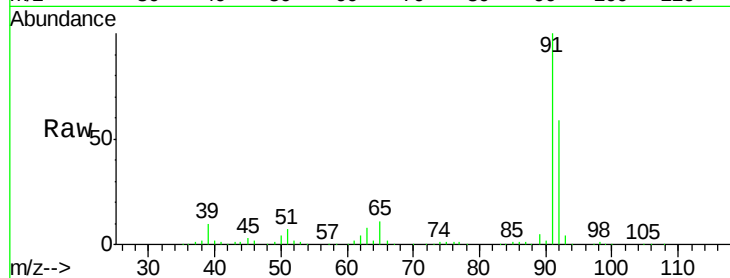
Instrument :
MSVOA_V
ClientSampleId :
GANJ9MSD

Tot Ion: 91 Resp: 310724

Ion Ratio Lower Upper

91 100

92 58.6 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV012367.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV012367.D (-1957) (-)

7.43

200000

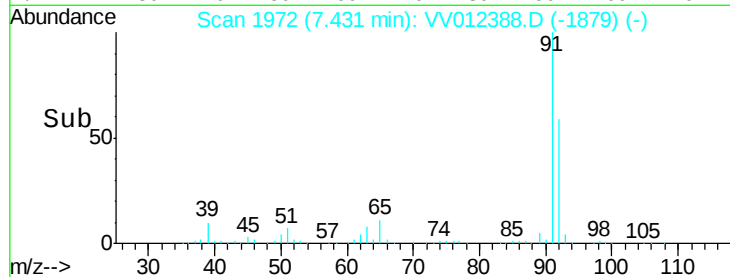
150000

100000

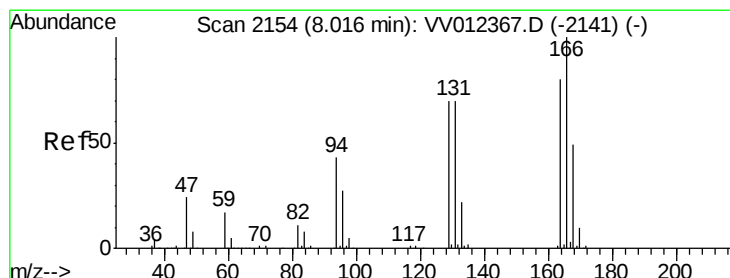
50000

0

Time-->



Time-->



#47

Tetrachloroethene

Concen: 1.410 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012388.D

Acq: 24 Aug 2019 02:26

Tgt Ion:164 Resp: 20506

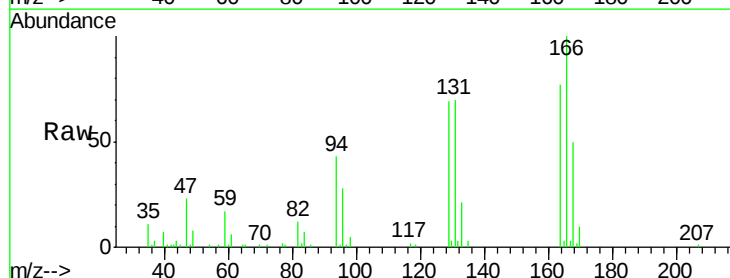
Ion Ratio Lower Upper

164 100

129 90.2 60.6 112.6

131 92.0 58.8 109.2

166 130.7 87.6 162.8



Abundance Ion 163.90 (163.60 to 164.60): VV012367.D (-2141) (-)

Ion 128.95 (128.65 to 129.65): VV012367.D (-2141) (-)

Ion 130.95 (130.65 to 131.65): VV012367.D (-2141) (-)

Ion 165.90 (165.60 to 166.60): VV012367.D (-2141) (-)

25000

20000

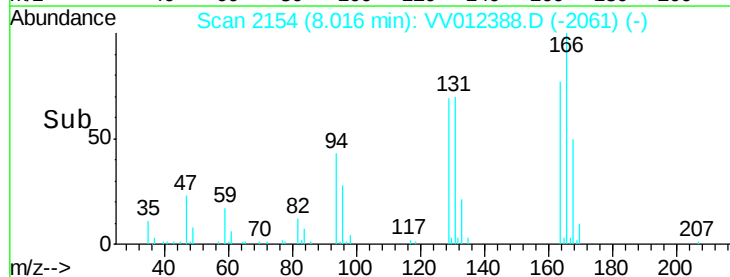
15000

10000

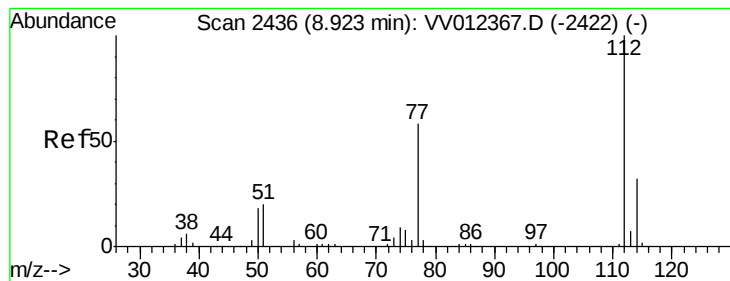
5000

0

Time-->



Time-->



#51

Chlorobenzene

Concen: 4.828 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012388.D

Acq: 24 Aug 2019 02:26

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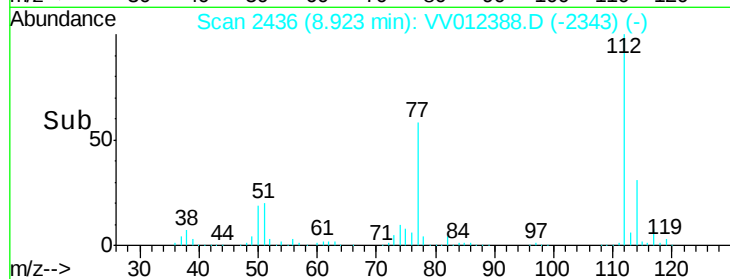
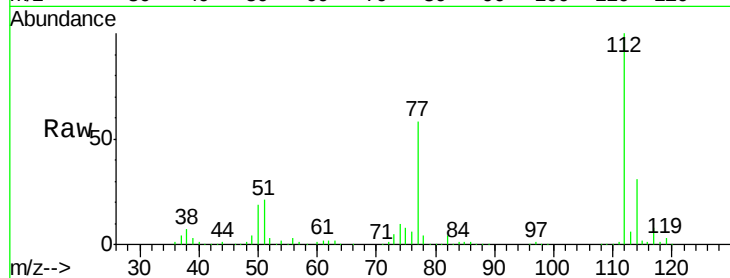
Tot Ion:112 Resp: 215143

Ion Ratio Lower Upper

112 100

114 31.5 23.0 42.6

77 57.7 46.4 69.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0

