

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
 Data File : VV010186.D
 Acq On : 08 Apr 2019 19:46
 Operator : SY/MD
 Sample : K2259-07MSD
 Misc : 4.55G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETJ44MSD

Quant Time: Apr 09 07:33:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 09 05:31:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	167248	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	118233	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	26176	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47640	21.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.12%
7) Chloroethane-d5	1.58	69	73780	26.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.12%
10) 1,1-Dichloroethene-d2	2.13	63	131684	23.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.24%
20) 2-Butanone-d5	3.95	46	42516	66.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.46%
24) Chloroform-d	4.41	84	112803	26.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.08%
26) 1,2-Dichloroethane-d4	5.09	65	69681	29.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	118.24%
29) Benzene-d6	5.10	84	210918	34.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	137.60%#
33) 1,2-Dichloropropane-d6	6.12	67	73132	40.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	161.68%#
37) Toluene-d8	7.36	98	164694	27.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.52%
38) trans-1,3-Dichloropropene-	7.67	79	18099	23.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.60%
39) 2-Hexanone-d5	8.14	63	27694	76.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	152.62%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	66845	37.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	149.84%#
61) 1,2-Dichlorobenzene-d4	11.68	152	30157	29.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	118.32%

Target Compounds

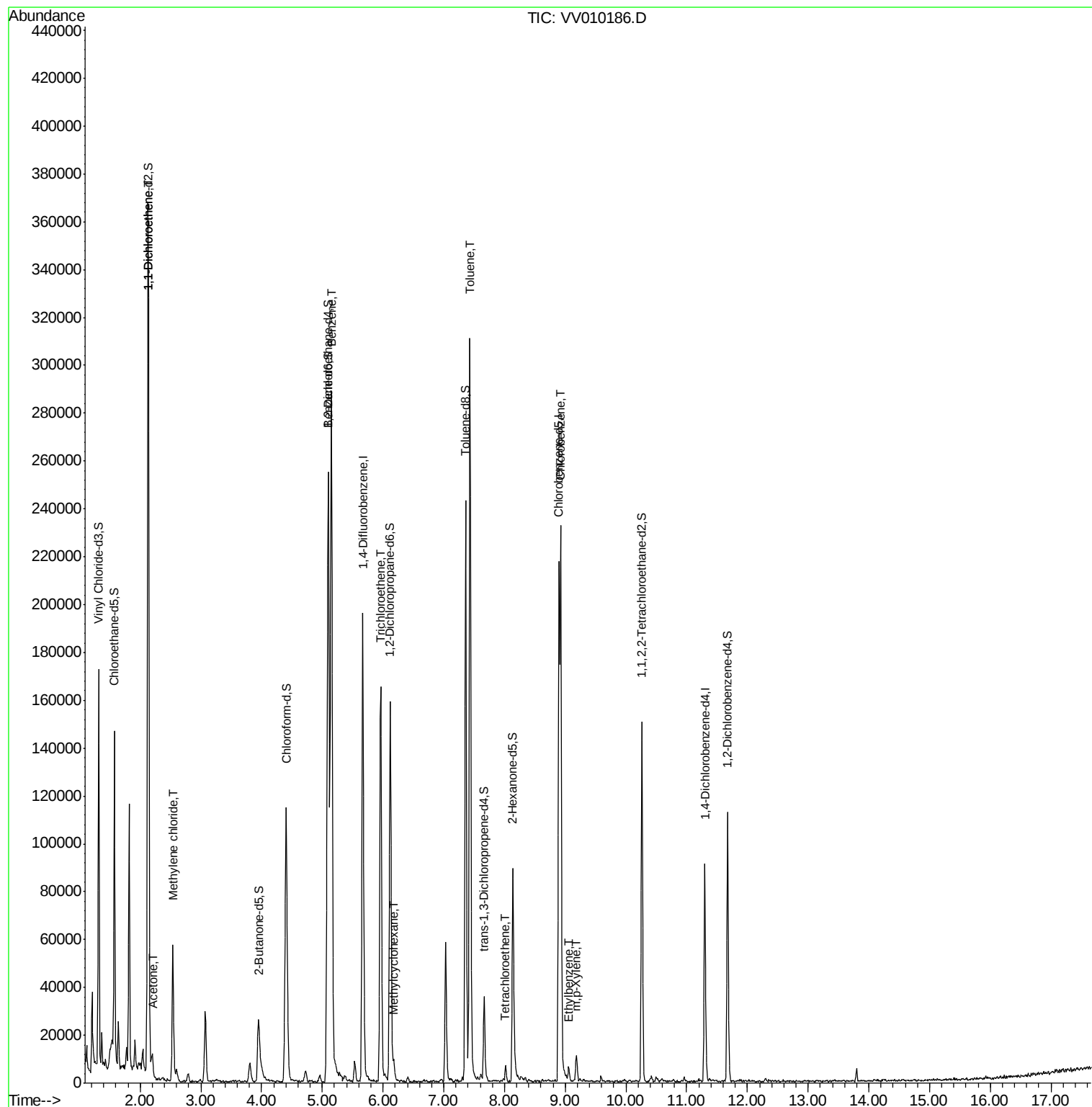
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.14	96	68215	29.833	ug/L	83
13) Acetone	2.20	43	5947	9.441	ug/L	92
16) Methylene chloride	2.54	84	22011	7.491	ug/L	98
34) Benzene	5.15	78	284951	49.284	ug/L	100
35) Trichloroethene	5.96	95	54487	32.741	ug/L	98
36) Methylcyclohexane	6.18	83	2743	1.100	ug/L #	83
44) Toluene	7.43	91	231041	35.605	ug/L	98
47) Tetrachloroethene	8.02	164	1456	1.045	ug/L #	76
52) Chlorobenzene	8.93	112	121291	27.403	ug/L	98
53) Ethylbenzene	9.06	91	3955	0.556	ug/L #	80
54) m,p-Xylene	9.18	106	3404	1.229	ug/L	80

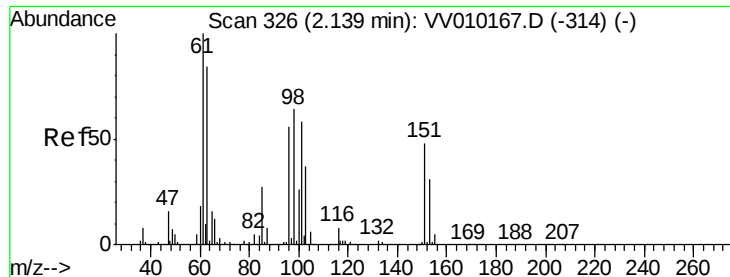
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Apr 09 05:31:28 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 29.833 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010186.D

Acq: 08 Apr 2019 19:46

Instrument :

MSVOA_V

ClientSampleId :

ETJ44MSD

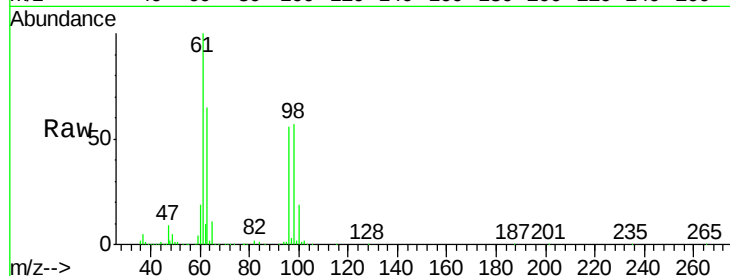
Tot Ion: 96 Resp: 68215

Ion Ratio Lower Upper

96 100

61 178.9 127.8 237.4

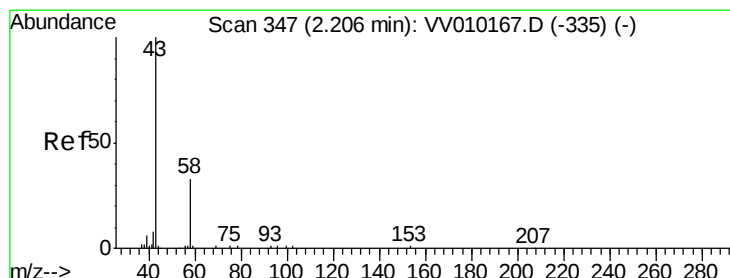
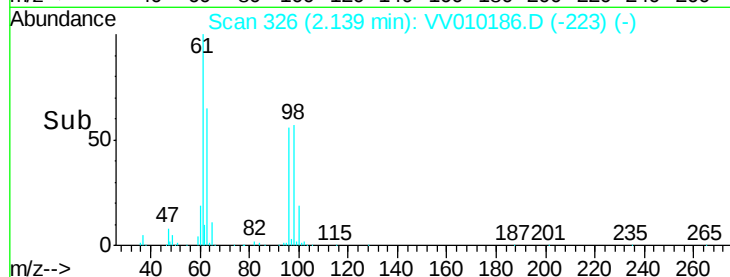
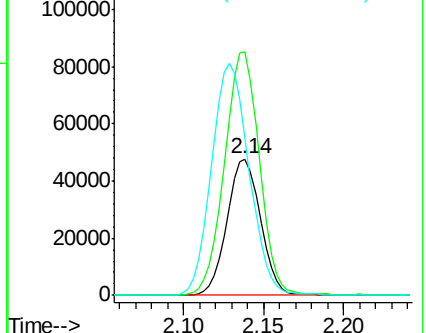
63 115.8 112.6 209.2



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: 9.441 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.00 min

Lab File: VV010186.D

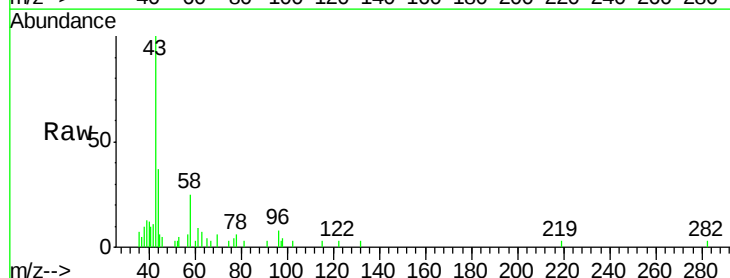
Acq: 08 Apr 2019 19:46

Tgt Ion: 43 Resp: 5947

Ion Ratio Lower Upper

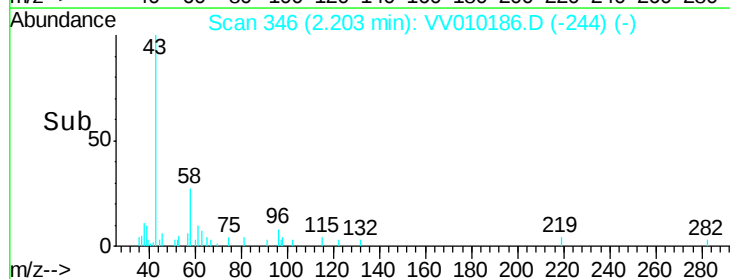
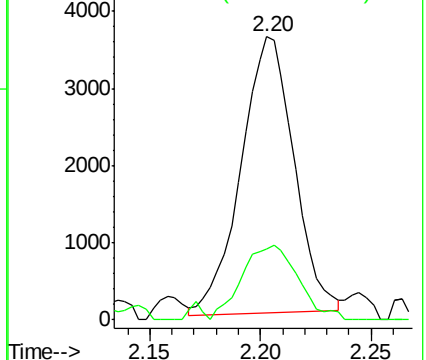
43 100

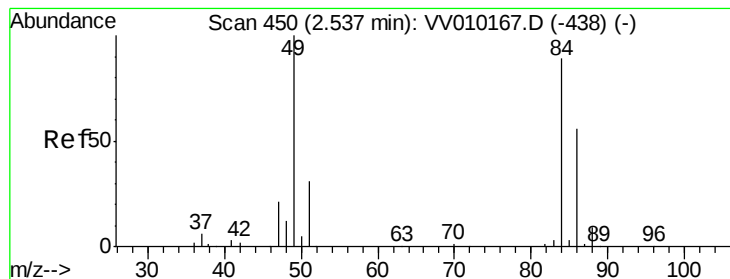
58 28.0 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#16

Methvlene chloride

Concen: 7.491 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV010186.D

Acq: 08 Apr 2019 19:46

Instrument :

MSVOA_V

ClientSampleId :

ETJ44MSD

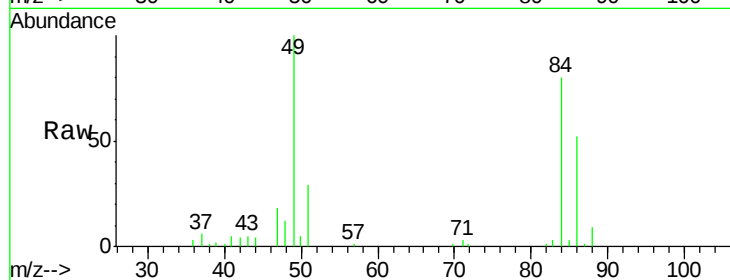
Tot Ion: 84 Resp: 22011

Ion Ratio Lower Upper

84 100

49 124.3 84.3 156.5

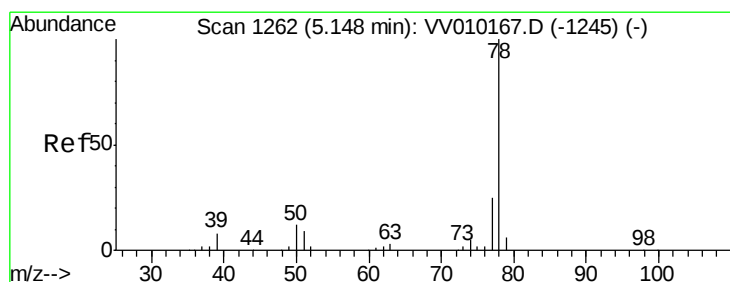
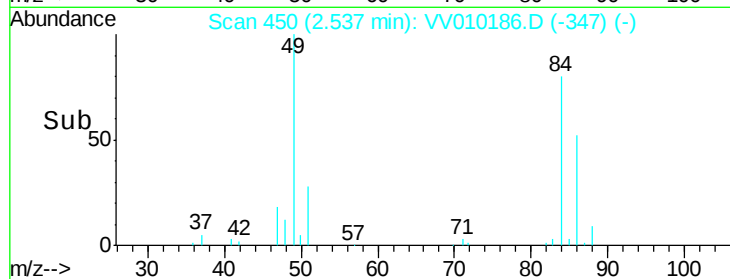
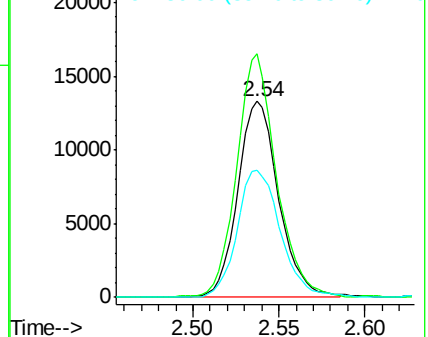
86 64.6 45.4 84.2



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: 49.284 ug/L

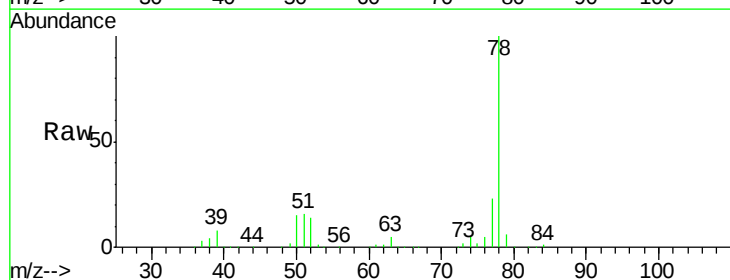
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

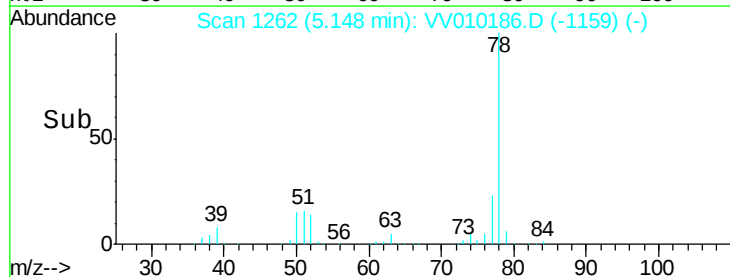
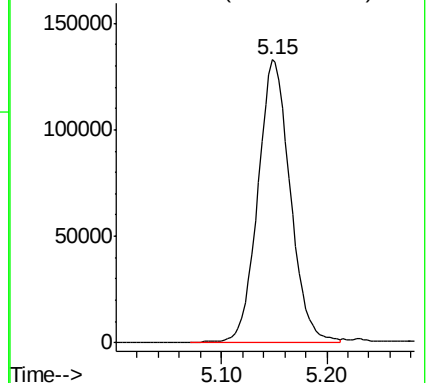
Lab File: VV010186.D

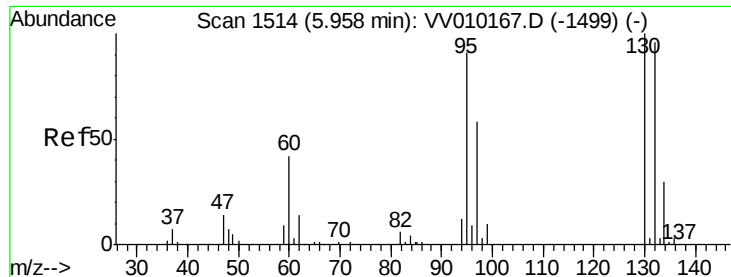
Acq: 08 Apr 2019 19:46

Tgt Ion: 78 Resp: 284951



Abundance Ion 78.00 (77.70 to 78.70): VV0

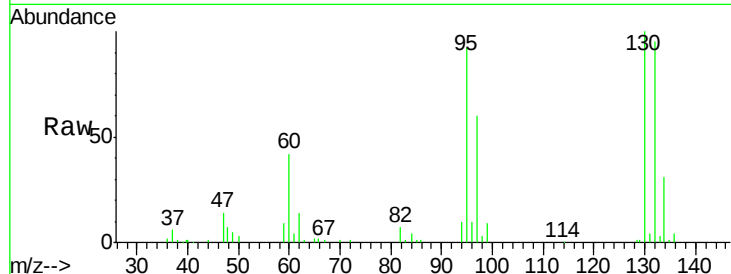




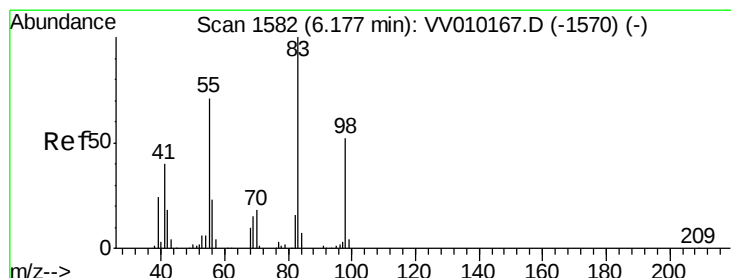
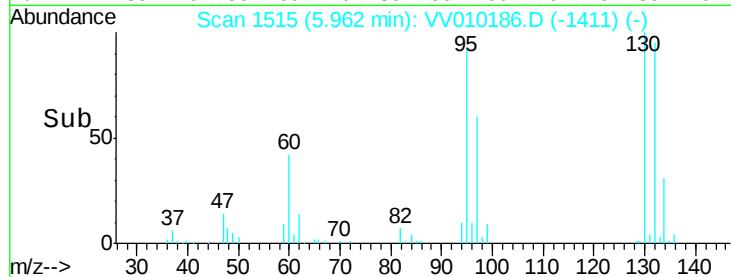
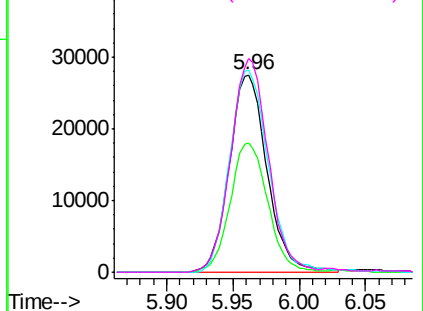
#35
 Trichloroethene
 Concen: 32.741 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV010186.D
 Acq: 08 Apr 2019 19:46

Instrument :
 MSVOA_V
 ClientSampleId :
 ETJ44MSD

Tot Ion: 95 Resp: 54487
 Ion Ratio Lower Upper
 95 100
 97 65.1 45.8 85.2
 132 105.2 70.6 131.0
 130 107.3 76.1 141.3

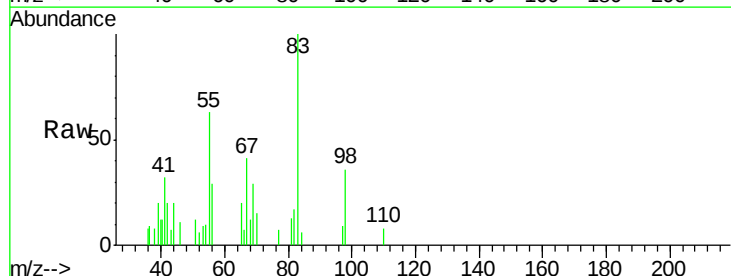


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

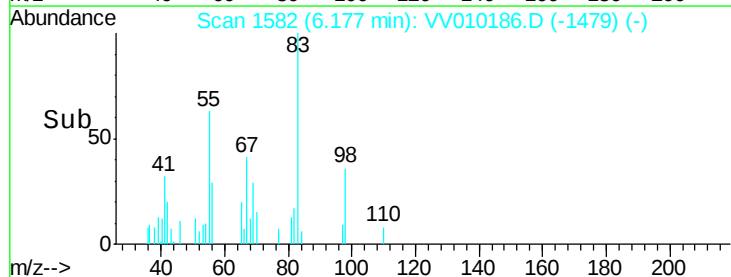
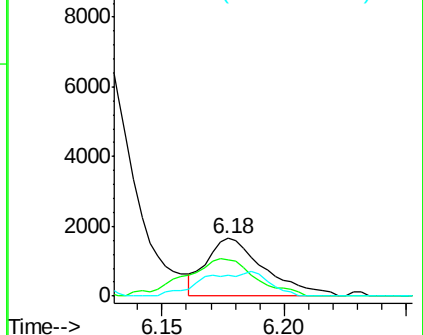


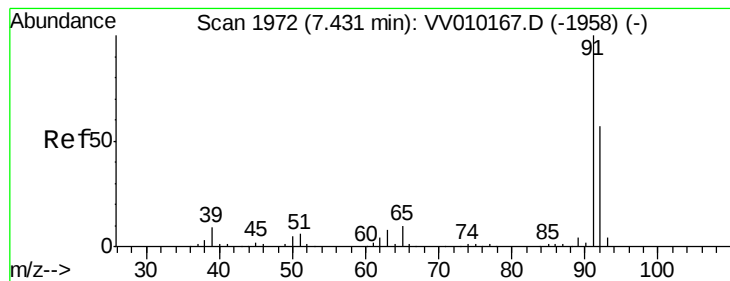
#36
 Methylcyclohexane
 Concen: 1.100 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV010186.D
 Acq: 08 Apr 2019 19:46

Tgt Ion: 83 Resp: 2743
 Ion Ratio Lower Upper
 83 100
 55 75.9 56.3 84.5
 98 27.5 39.0 58.6#



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#44

Toluene

Concen: 35.605 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010186.D

Acq: 08 Apr 2019 19:46

Instrument :

MSVOA_V

ClientSampled :

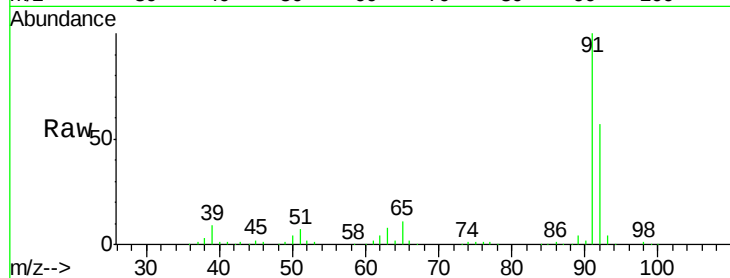
ETJ44MSD

Tot Ion: 91 Resp: 231041

Ion Ratio Lower Upper

91 100

92 57.5 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV010186.D (-2052) (-)

Ion 92.00 (91.70 to 92.70): VV010186.D (-2052) (-)

7.43

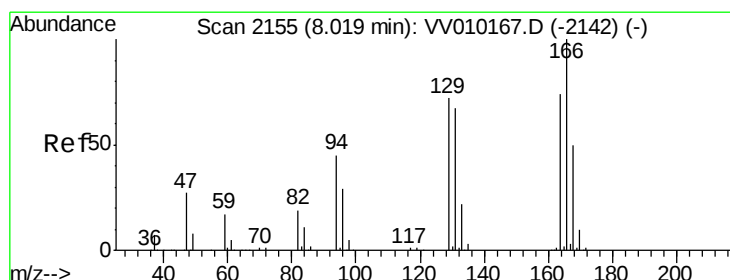
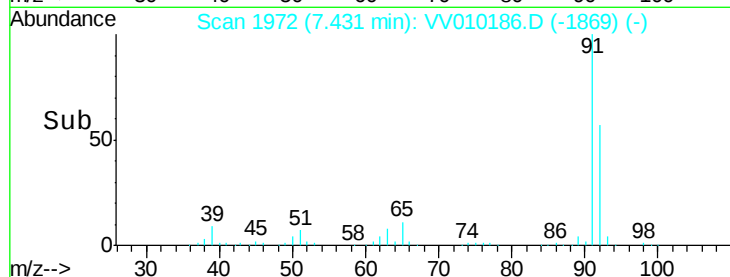
150000

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 1.045 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV010186.D

Acq: 08 Apr 2019 19:46

Tgt Ion: 164 Resp: 1456

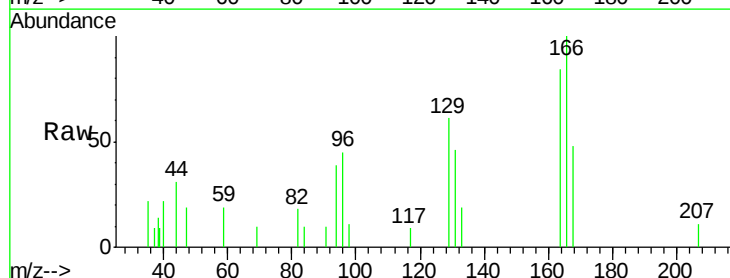
Ion Ratio Lower Upper

164 100

129 72.3 67.8 125.8

131 55.0 65.2 121.0#

166 119.4 93.8 174.2



Abundance Ion 164.00 (163.70 to 164.70): VV010186.D (-2052) (-)

Ion 129.00 (128.70 to 129.70): VV010186.D (-2052) (-)

Ion 131.00 (130.70 to 131.70): VV010186.D (-2052) (-)

Ion 166.00 (165.70 to 166.70): VV010186.D (-2052) (-)

8.02

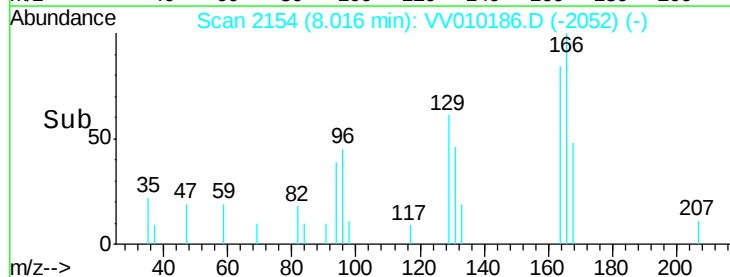
1500

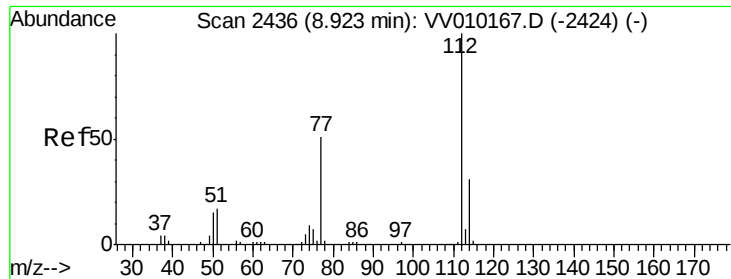
1000

500

0

Time-->





#52

Chlorobenzene

Concen: 27.403 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010186.D

Acq: 08 Apr 2019 19:46

Instrument :

MSVOA_V

ClientSampleId :

ETJ44MSD

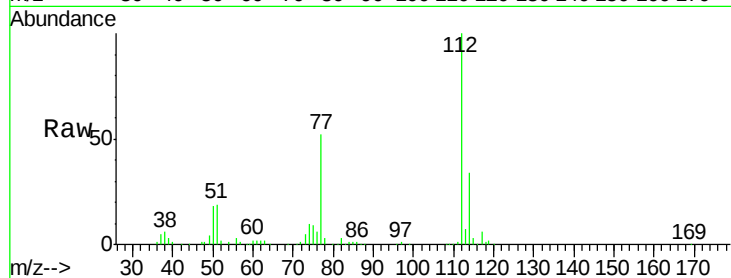
Tot Ion:112 Resp: 121291

Ion Ratio Lower Upper

112 100

77 52.0 42.9 64.3

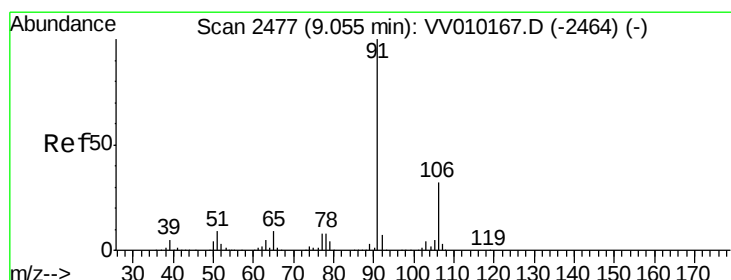
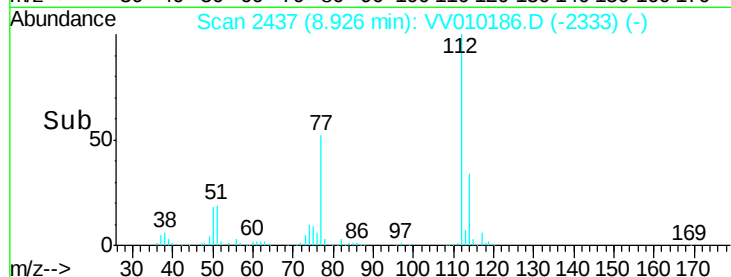
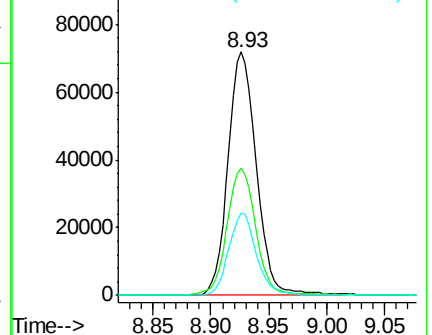
114 33.8 23.4 43.4



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



#53

Ethylbenzene

Concen: 0.556 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV010186.D

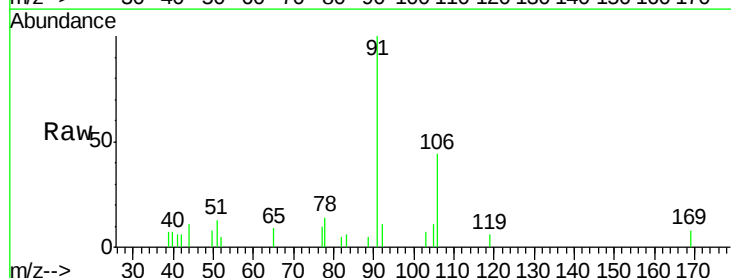
Acq: 08 Apr 2019 19:46

Tgt Ion: 91 Resp: 3955

Ion Ratio Lower Upper

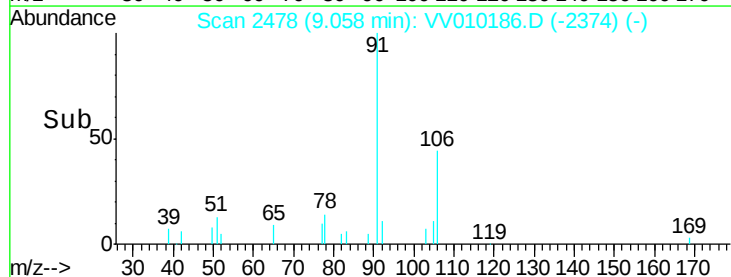
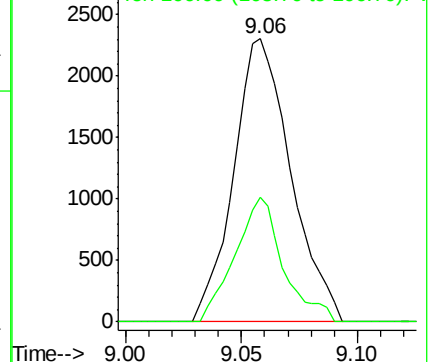
91 100

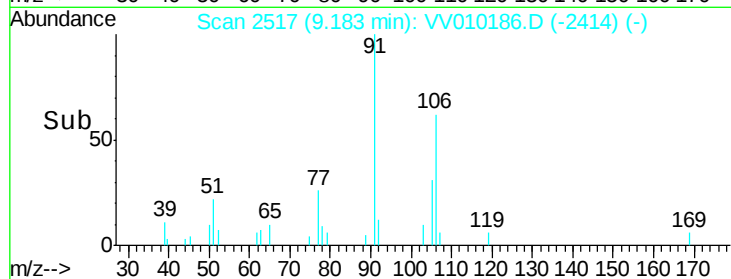
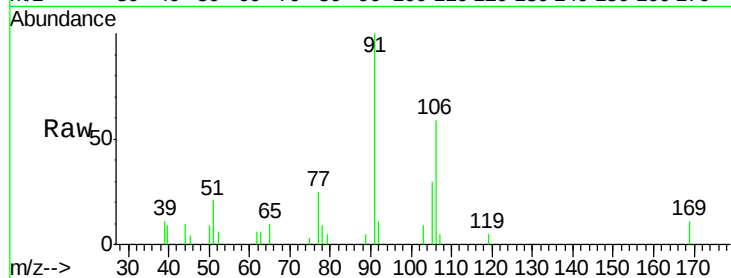
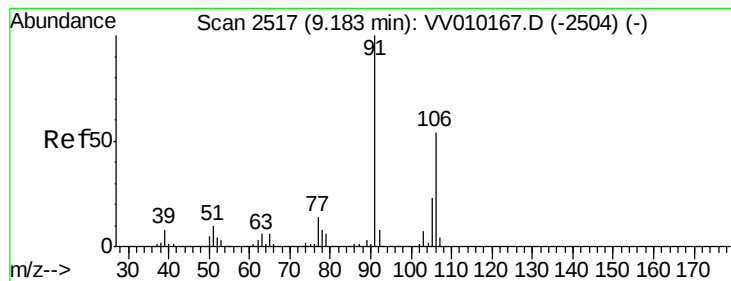
106 44.1 23.1 42.9#



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 1.229 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010186.D

Acq: 08 Apr 2019 19:46

Instrument :

MSVOA_V

ClientSampleId :

ETJ44MSD

Tot Ion:106 Resp: 3404

Ion Ratio Lower Upper

106 100

91 169.0 139.3 258.7

