

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
 Data File : VV010185.D
 Acq On : 08 Apr 2019 19:19
 Operator : SY/MD
 Sample : K2259-06MS
 Misc : 4.76G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETJ44MS

Quant Time: Apr 09 07:31:23 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	171895	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	132190	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	36106	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47818	20.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.12%
7) Chloroethane-d5	1.58	69	61694	21.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.32%
10) 1,1-Dichloroethene-d2	2.13	63	134918	23.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.96%
20) 2-Butanone-d5	3.95	46	42021	64.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.34%
24) Chloroform-d	4.41	84	108467	25.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.08	65	67950	28.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.20%
29) Benzene-d6	5.10	84	206190	30.08	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	120.32%
33) 1,2-Dichloropropane-d6	6.12	67	69541	34.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	137.48%#
37) Toluene-d8	7.36	98	165625	25.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.32%
38) trans-1,3-Dichloropropene-	7.67	79	19810	22.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.64%
39) 2-Hexanone-d5	8.14	63	28452	70.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.24%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	66438	33.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	133.20%#
61) 1,2-Dichlorobenzene-d4	11.68	152	38595	27.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.76%

Target Compounds

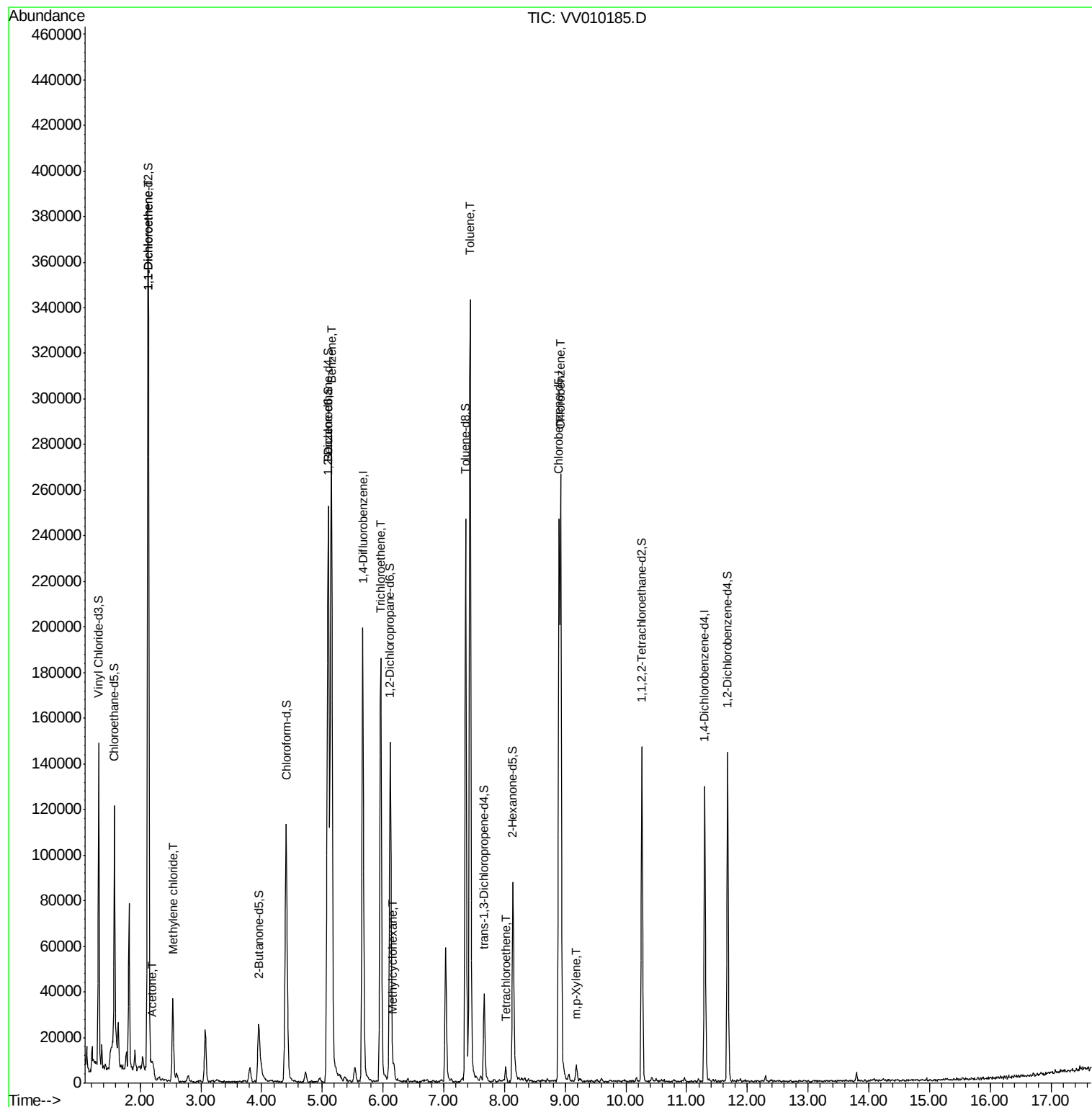
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.14	96	73700	31.361	ug/L	88
13) Acetone	2.21	43	3873	5.982	ug/L	96
16) Methylene chloride	2.53	84	14581	4.828	ug/L	100
34) Benzene	5.15	78	283202	43.810	ug/L	100
35) Trichloroethene	5.96	95	60446	32.487	ug/L	98
36) Methylcyclohexane	6.17	83	2648	0.950	ug/L #	58
44) Toluene	7.43	91	252037	34.739	ug/L	96
47) Tetrachloroethene	8.02	164	1245	0.799	ug/L	91
52) Chlorobenzene	8.93	112	138748	28.038	ug/L	98
54) m,p-Xylene	9.18	106	2132	0.689	ug/L #	56

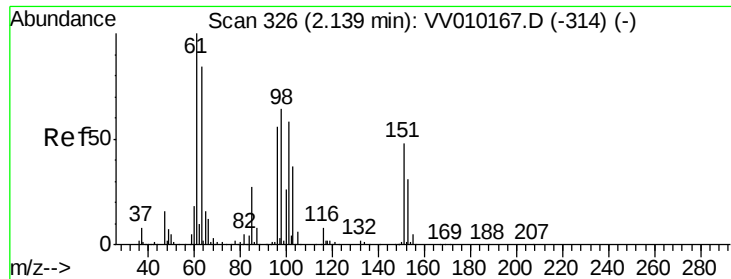
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 31.361 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010185.D

Acq: 08 Apr 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

ETJ44MS

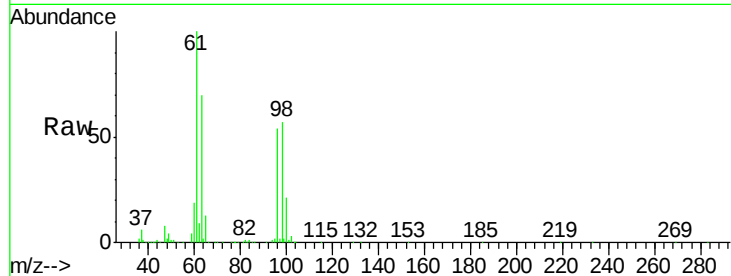
Tot Ion: 96 Resp: 73700

Ion Ratio Lower Upper

96 100

61 186.4 127.8 237.4

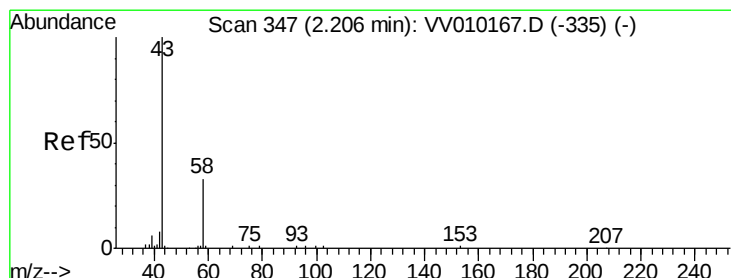
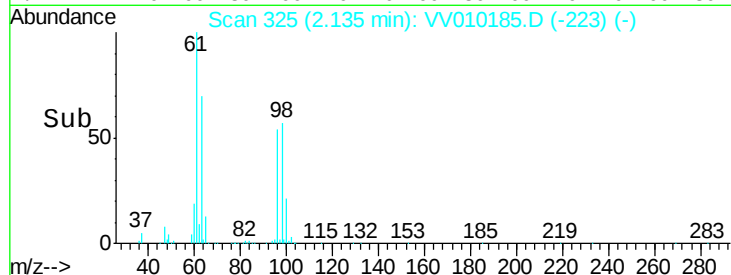
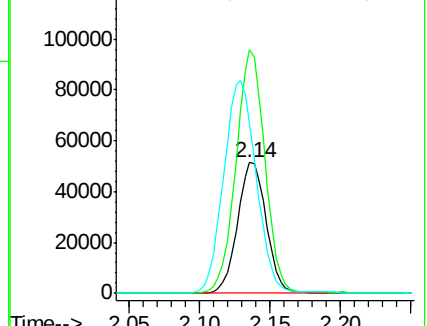
63 130.6 112.6 209.2



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: 5.982 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.00 min

Lab File: VV010185.D

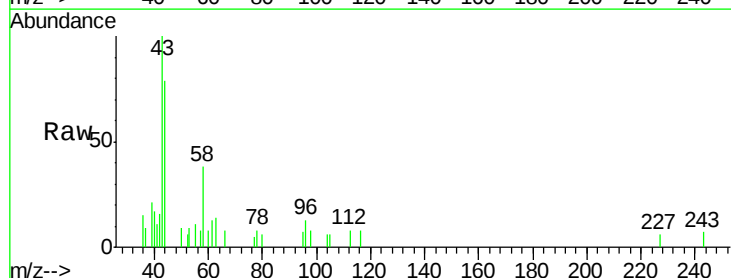
Acq: 08 Apr 2019 19:19

Tgt Ion: 43 Resp: 3873

Ion Ratio Lower Upper

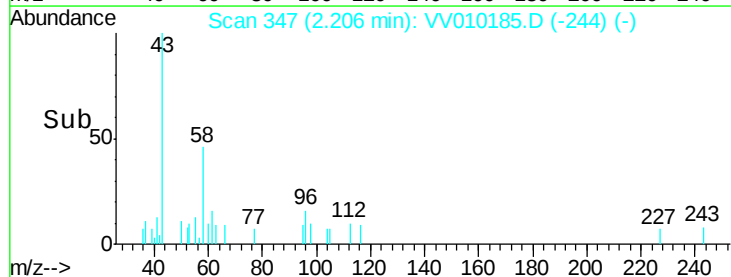
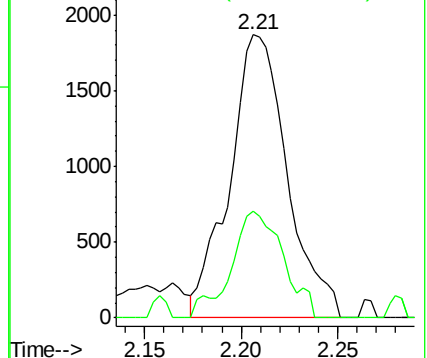
43 100

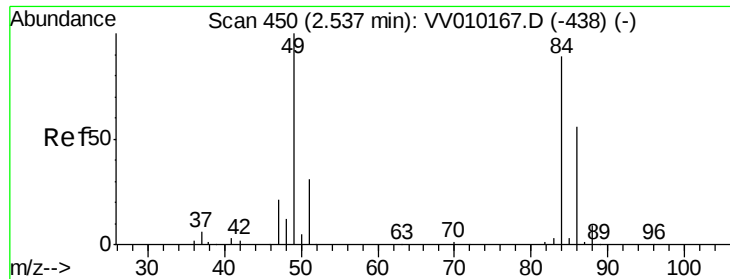
58 30.2 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

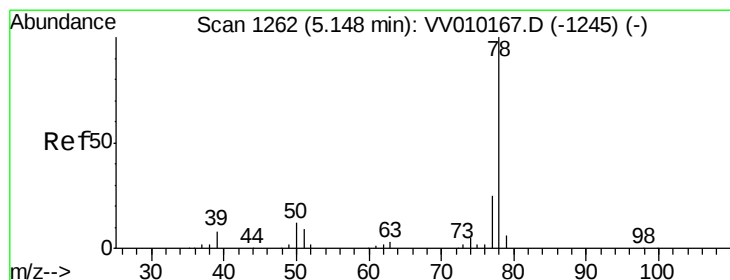
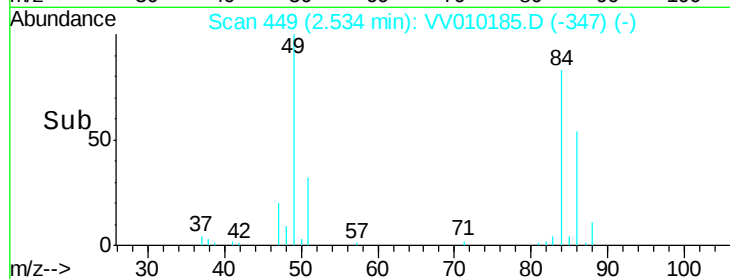
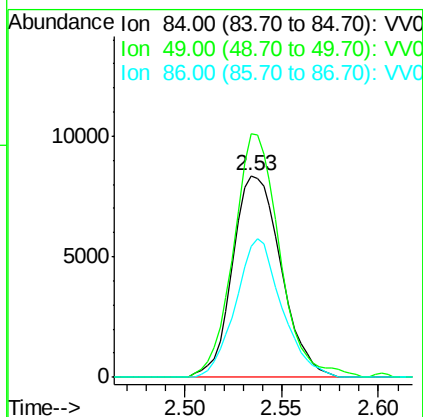
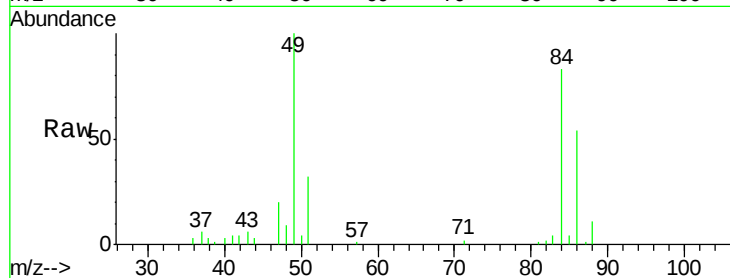




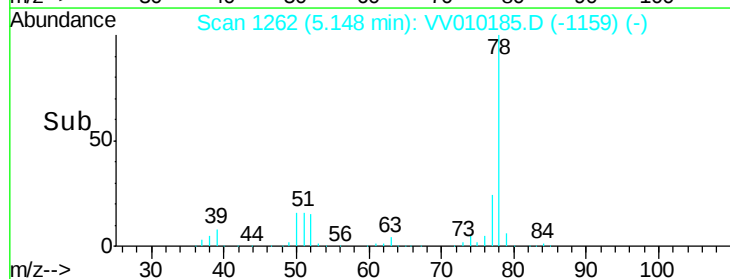
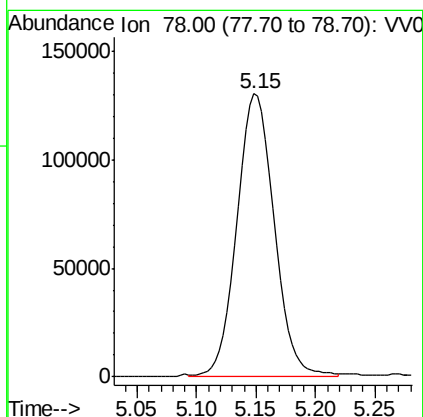
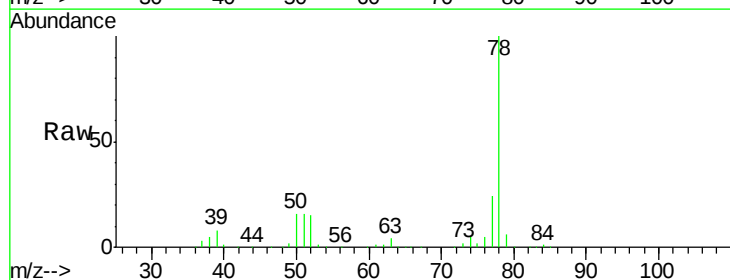
#16
Methvlene chloride
Concen: 4.828 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010185.D
Acq: 08 Apr 2019 19:19

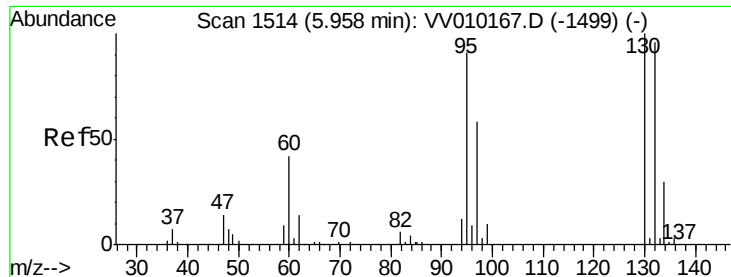
Instrument :
MSVOA_V
ClientSampled :
ETJ44MS

Tot Ion: 84 Resp: 14581
Ion Ratio Lower Upper
84 100
49 120.9 84.3 156.5
86 65.2 45.4 84.2



#34
Benzene
Concen: 43.810 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV010185.D
Acq: 08 Apr 2019 19:19
Tgt Ion: 78 Resp: 283202





#35

Trichloroethene

Concen: 32.487 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010185.D

Acq: 08 Apr 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

ETJ44MS

Tot Ion: 95 Resp: 60446

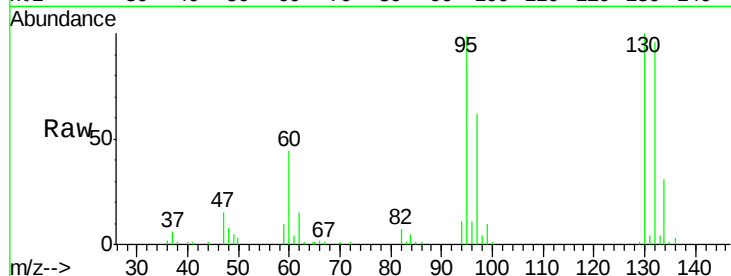
Ion Ratio Lower Upper

95 100

97 66.0 45.8 85.2

132 103.9 70.6 131.0

130 107.3 76.1 141.3

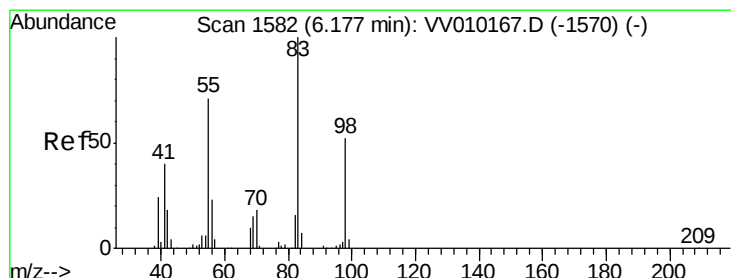
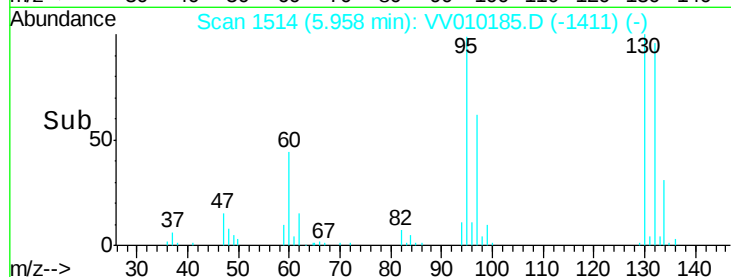
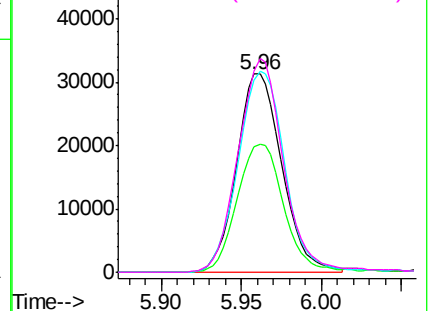


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.950 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. -0.01 min

Lab File: VV010185.D

Acq: 08 Apr 2019 19:19

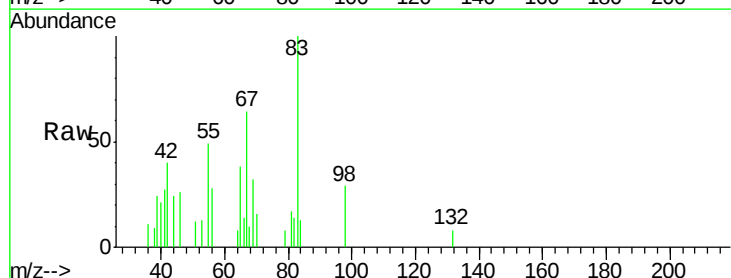
Tgt Ion: 83 Resp: 2648

Ion Ratio Lower Upper

83 100

55 39.8 56.3 84.5#

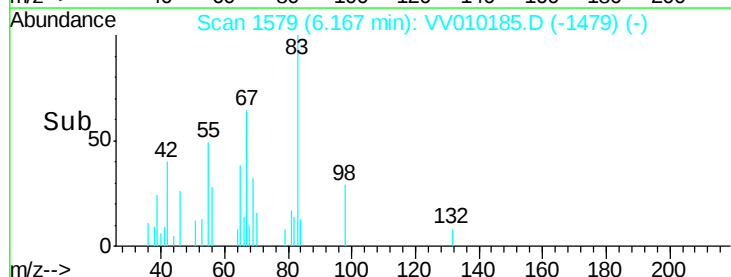
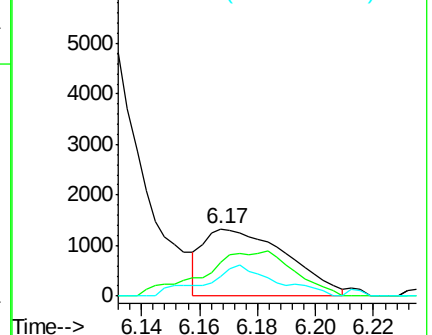
98 14.7 39.0 58.6#

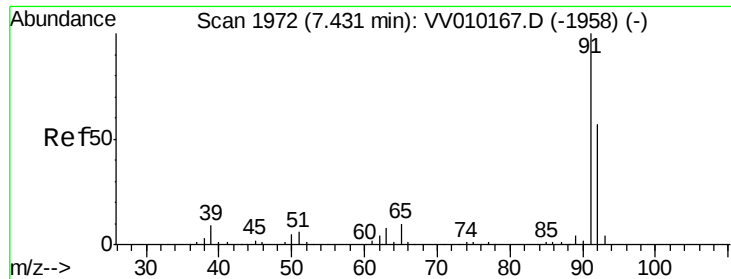


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#44

Toluene

Concen: 34.739 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV010185.D

Acq: 08 Apr 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

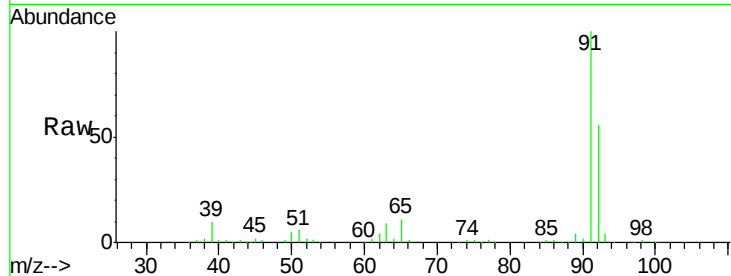
ETJ44MS

Tot Ion: 91 Resp: 252037

Ion Ratio Lower Upper

91 100

92 56.0 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV010167.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010167.D (-1958) (-)

7.43

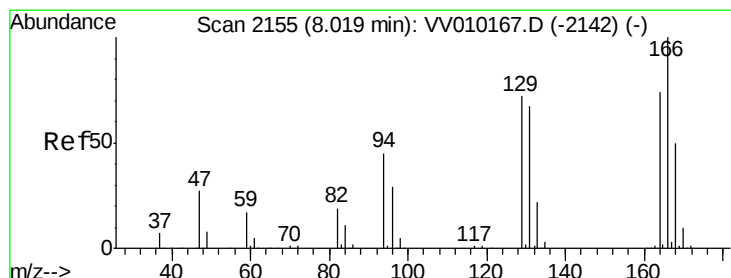
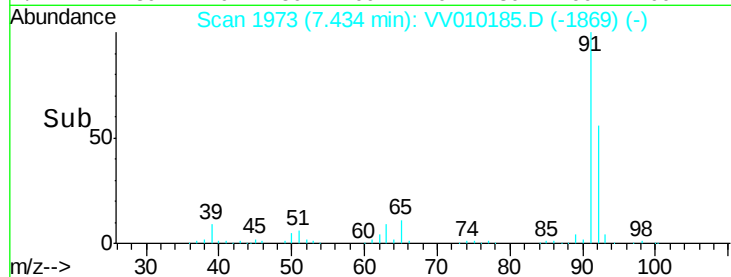
150000

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 0.799 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV010185.D

Acq: 08 Apr 2019 19:19

Tgt Ion:164 Resp: 1245

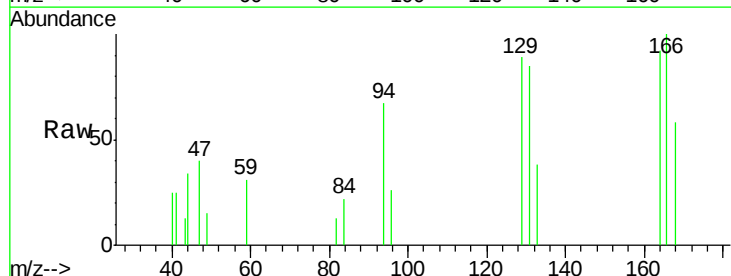
Ion Ratio Lower Upper

164 100

129 96.8 67.8 125.8

131 92.3 65.2 121.0

166 109.1 93.8 174.2



Abundance Ion 164.00 (163.70 to 164.70): VV010167.D (-2142) (-)

Ion 129.00 (128.70 to 129.70): VV010167.D (-2142) (-)

Ion 131.00 (130.70 to 131.70): VV010167.D (-2142) (-)

Ion 166.00 (165.70 to 166.70): VV010167.D (-2142) (-)

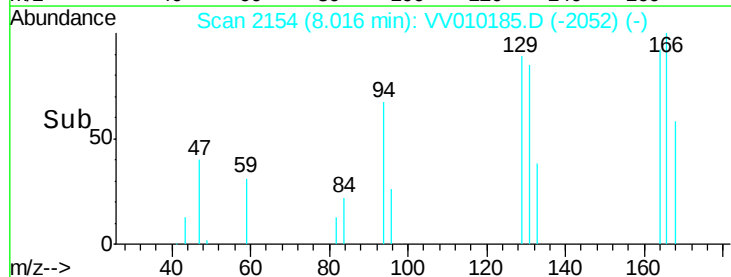
1500

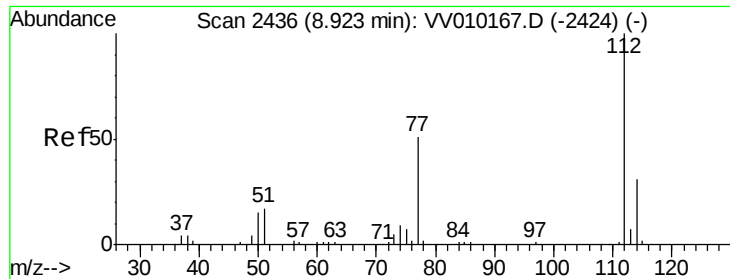
1000

500

0

Time-->

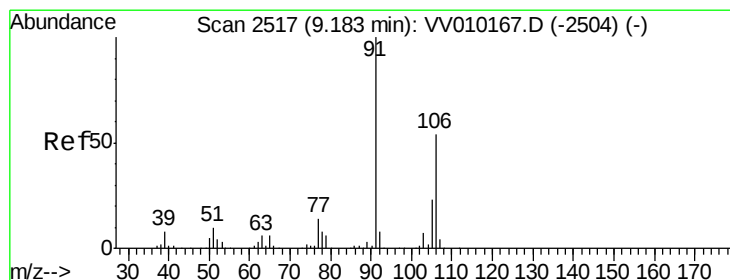
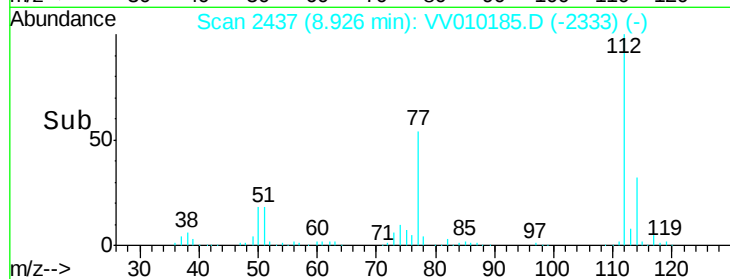
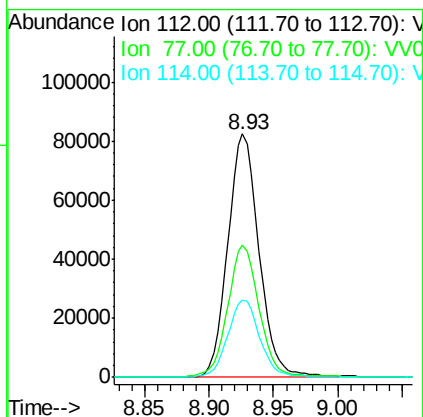
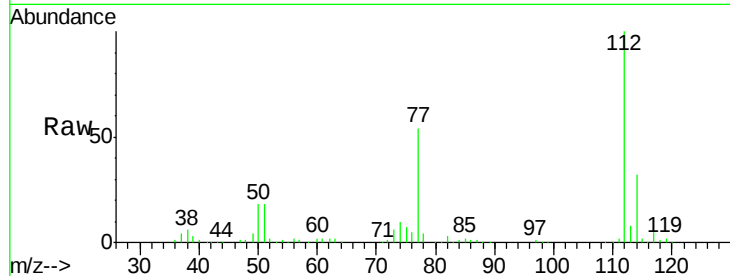




#52
Chlorobenzene
Concen: 28.038 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV010185.D
Acq: 08 Apr 2019 19:19

Instrument :
MSVOA_V
ClientSampleId :
ETJ44MS

Tot Ion:112 Resp: 138748
Ion Ratio Lower Upper
112 100
77 54.2 42.9 64.3
114 31.7 23.4 43.4



#54
m,p-Xylene
Concen: 0.689 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV010185.D
Acq: 08 Apr 2019 19:19

Tgt Ion:106 Resp: 2132
Ion Ratio Lower Upper
106 100
91 132.1 139.3 258.7#

