

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 05:36:09 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
25) Chloroform	4.43	83	5262	1.384	ug/L #	61
30) Cyclohexane	4.72	56	1119	0.524	ug/L #	42
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
40) 1,2-Dichloropropane	6.12	63	8447	5.782	ug/L #	88
44) Toluene	7.43	91	231041	35.605	ug/L	98
45) trans-1,3-Dichloropropene	7.67	75	1028	0.572	ug/L	97
47) Tetrachloroethene	8.02	164	1456	1.045	ug/L #	76
50) Dibromochloromethane	8.02	129	1053	0.725	ug/L #	12
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

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

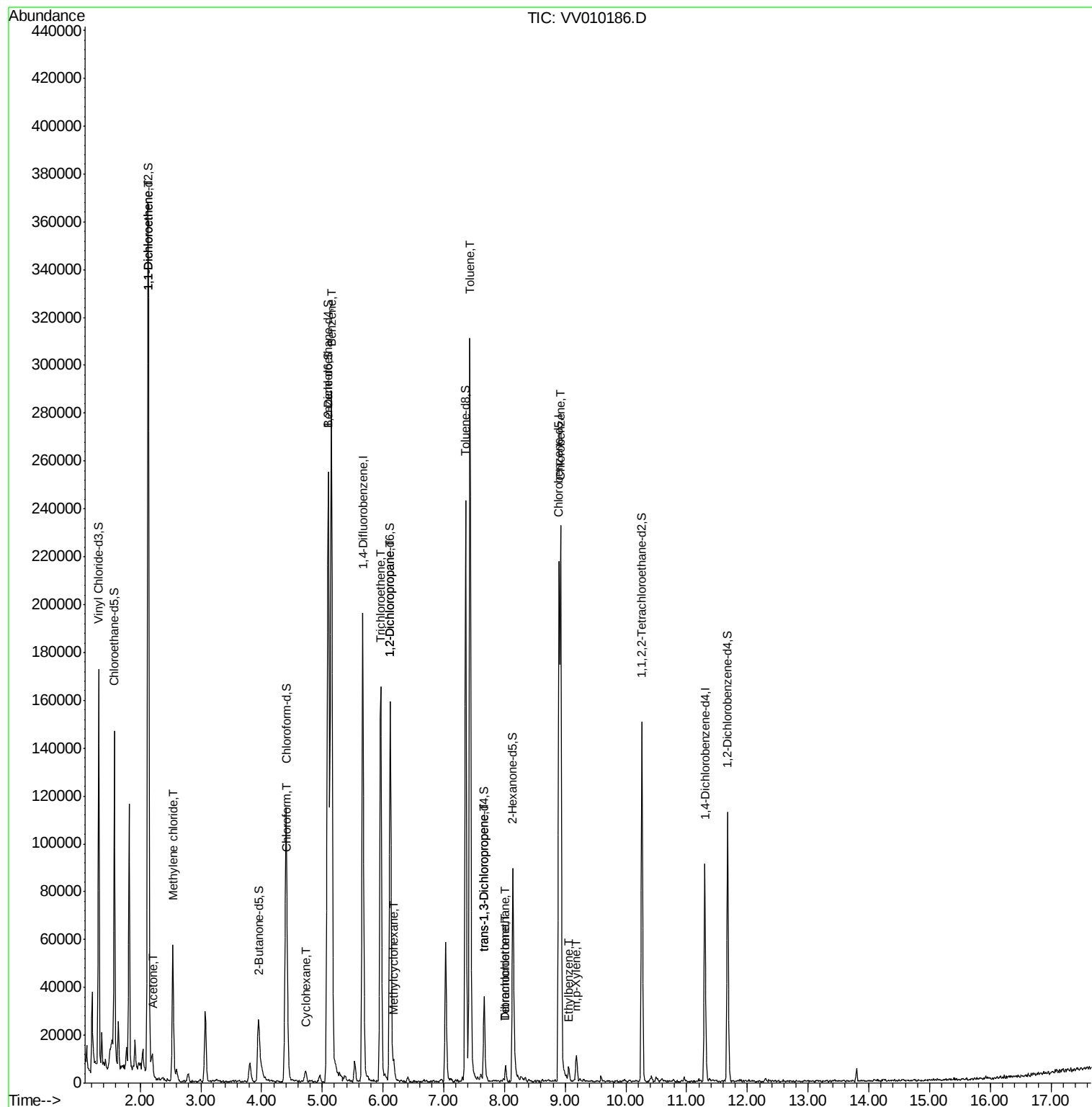
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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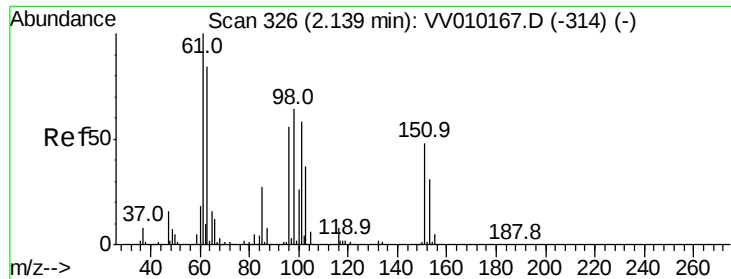
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

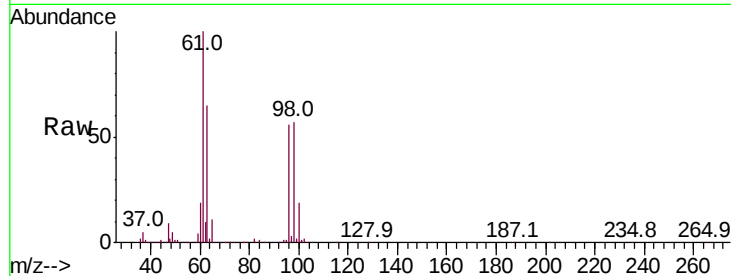
Tot Ion: 96 Resp: 68215

Ion Ratio Lower Upper

96 100

61 178.9 127.8 237.4

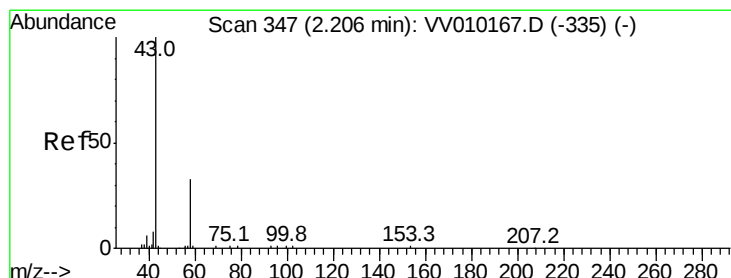
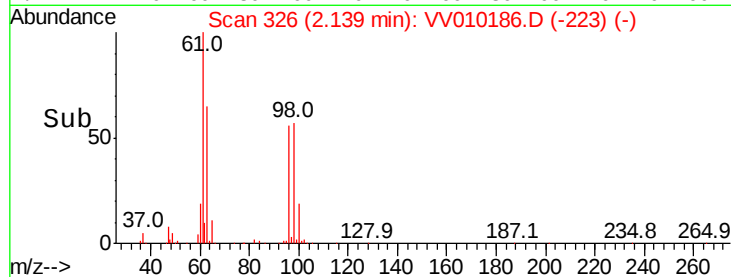
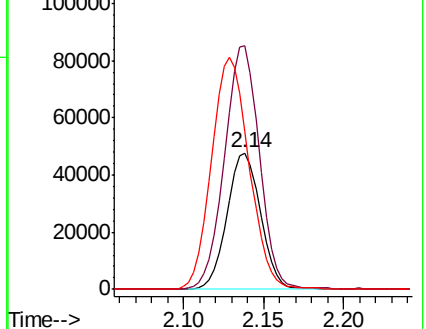
63 115.8 112.6 209.2



Abundance Ion 96.00 (95.70 to 96.70): VV010186.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV010186.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV010186.D (-223) (-)



#13

Acetone

Concen: 9.441 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.00 min

Lab File: VV010186.D

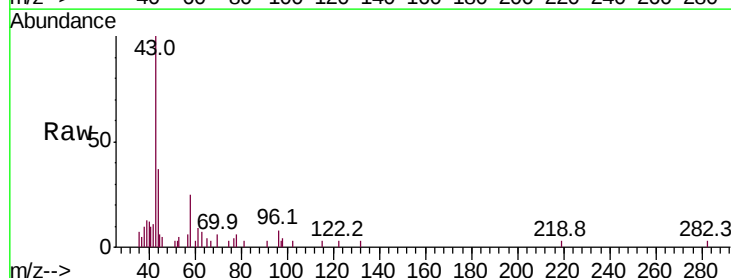
Acq: 08 Apr 2019 19:46

Tgt Ion: 43 Resp: 5947

Ion Ratio Lower Upper

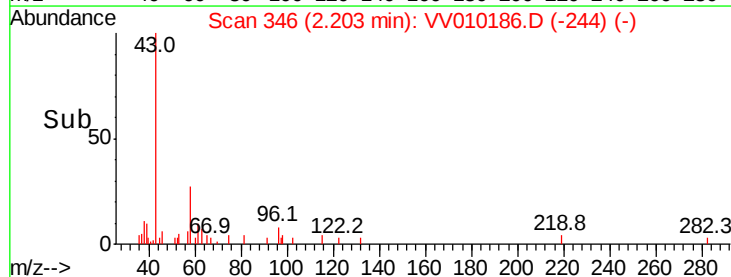
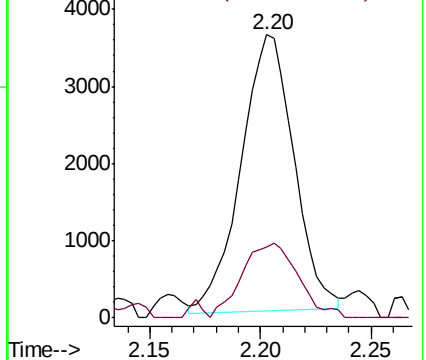
43 100

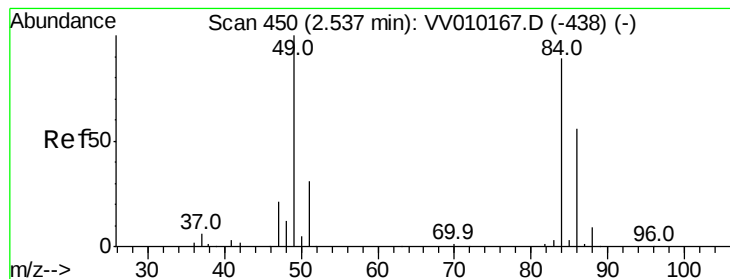
58 28.0 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010186.D (-244) (-)

Ion 58.00 (57.70 to 58.70): VV010186.D (-244) (-)





#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

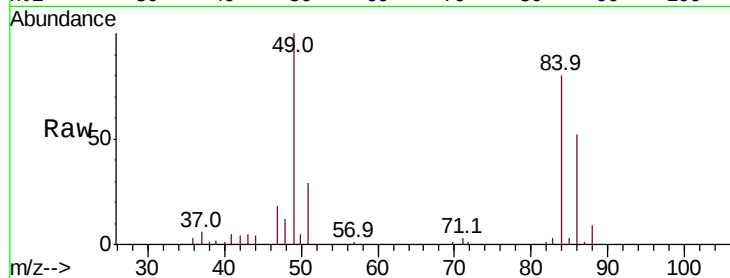
Tot Ion: 84 Resp: 22011

Ion Ratio Lower Upper

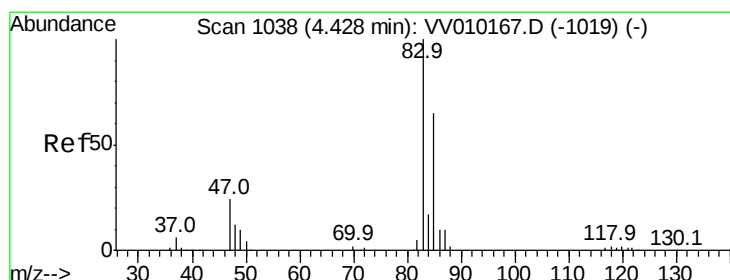
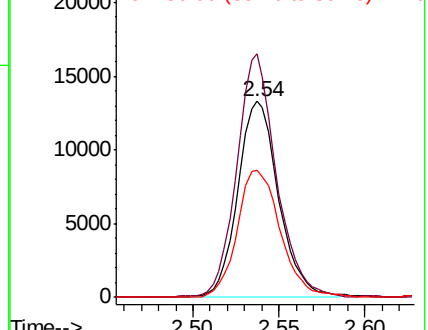
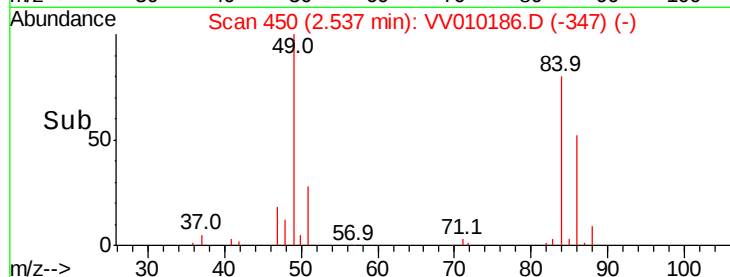
84 100

49 124.3 84.3 156.5

86 64.6 45.4 84.2



Abundance Ion 84.00 (83.70 to 84.70): VV010186.D (-347) (-)



#25

Chloroform

Concen: 1.384 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV010186.D

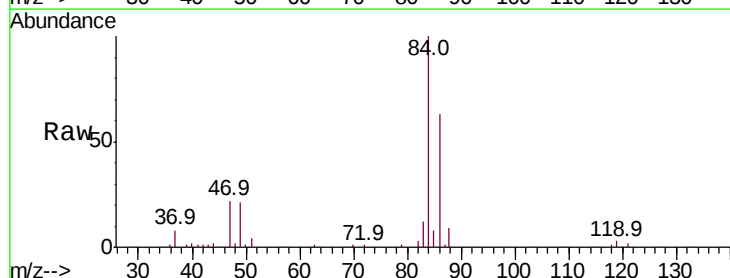
Acq: 08 Apr 2019 19:46

Tgt Ion: 83 Resp: 5262

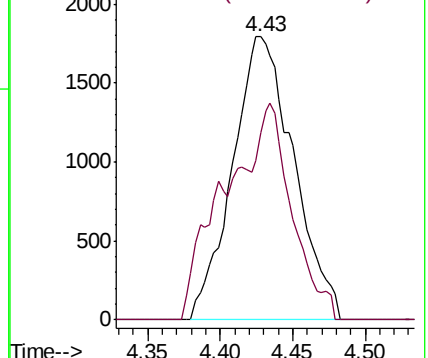
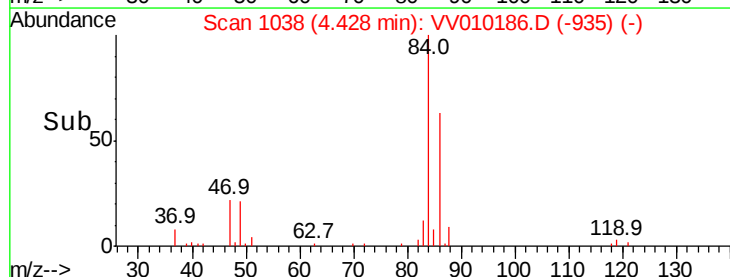
Ion Ratio Lower Upper

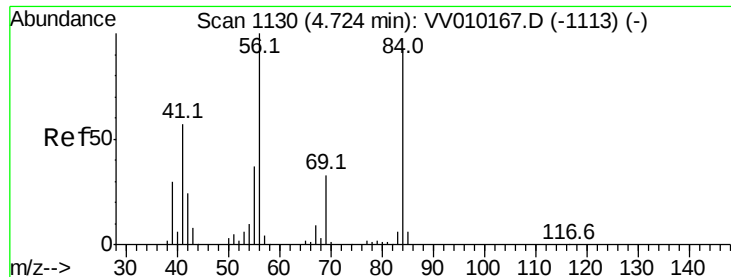
83 100

85 35.4 46.4 86.2#



Abundance Ion 83.00 (82.70 to 83.70): VV010186.D (-935) (-)

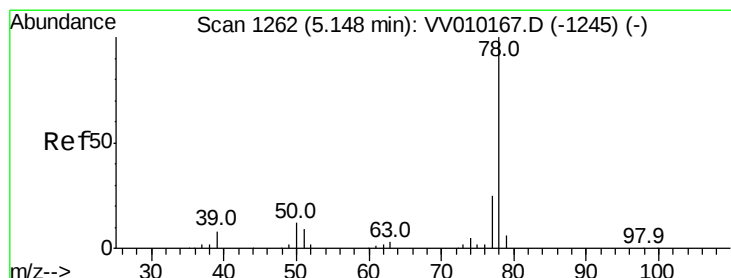
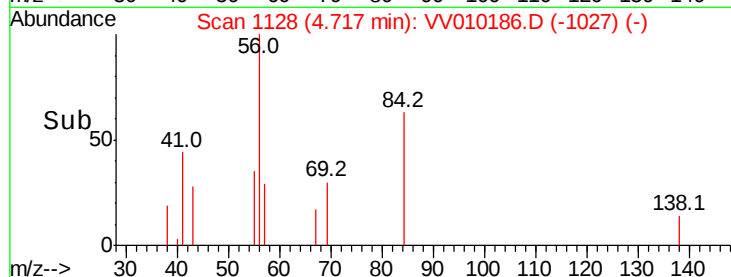
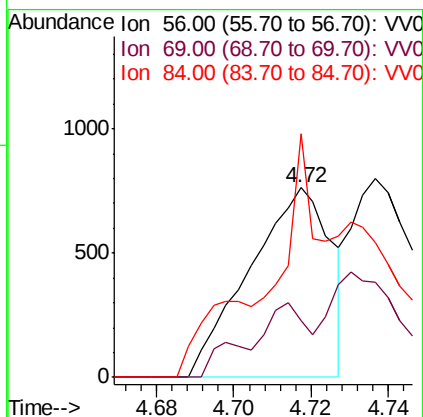
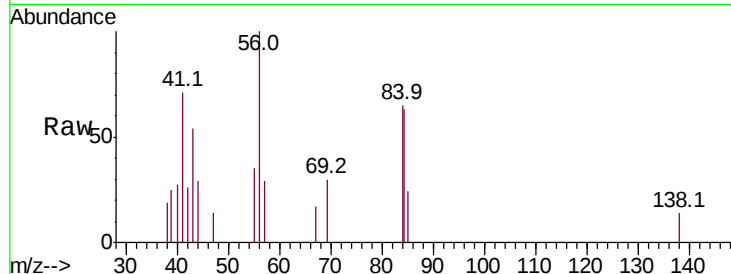




#30
Cyclohexane
Concen: 0.524 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VV010186.D
Acq: 08 Apr 2019 19:46

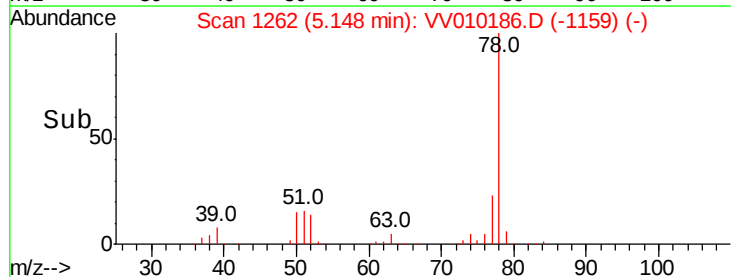
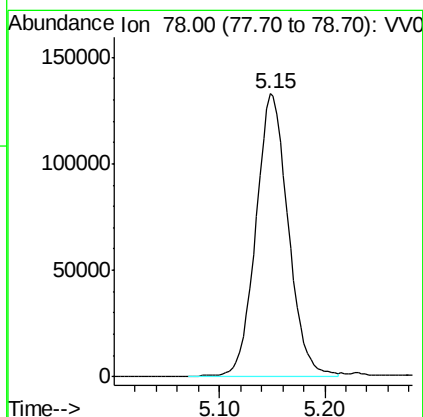
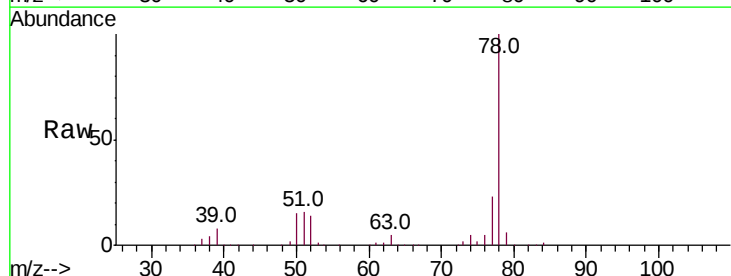
Instrument :
MSVOA_V
ClientSampled :
ETJ44MSD

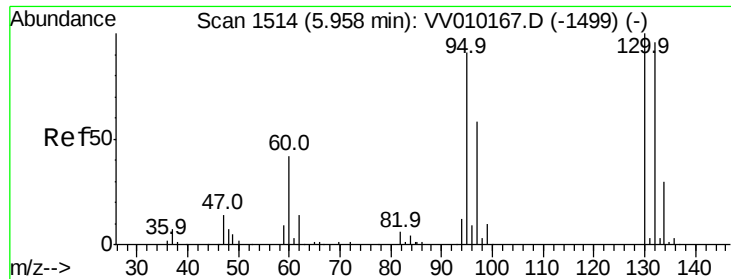
Tot Ion: 56 Resp: 1119
Ion Ratio Lower Upper
56 100
69 19.7 25.1 37.7#
84 26.7 76.0 114.0#



#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

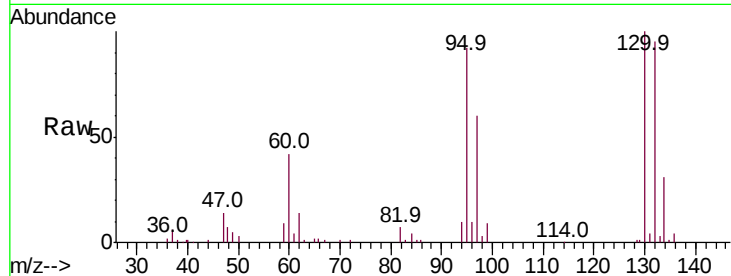




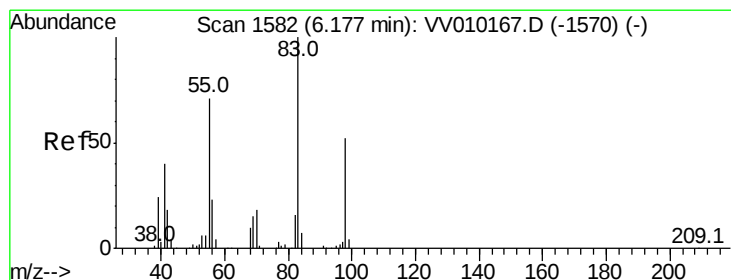
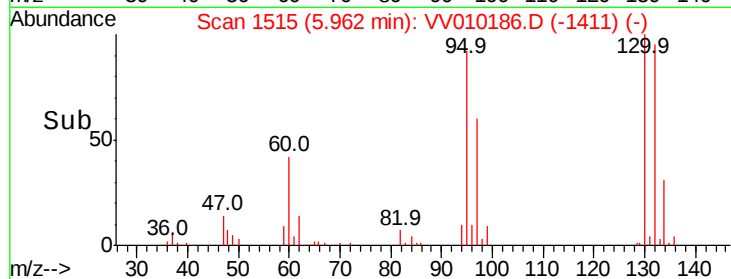
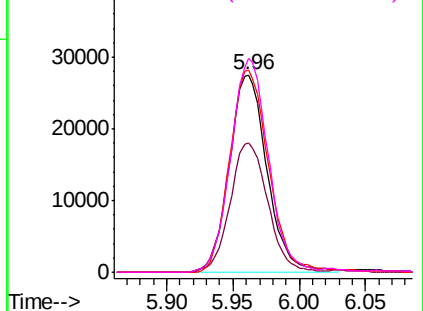
#35
 Trichloroethene
 Concen: 32.741 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV010186.D
 Acq: 08 Apr 2019 19:46

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

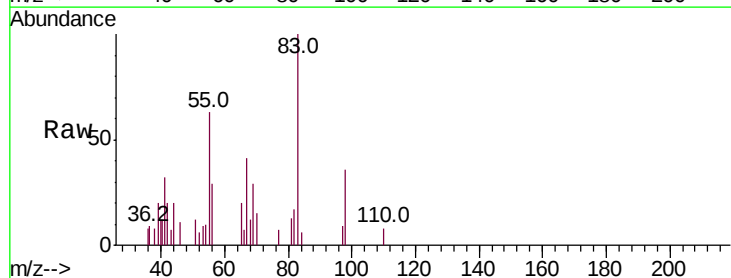


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

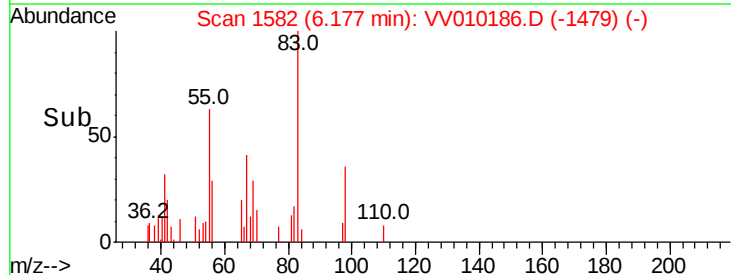
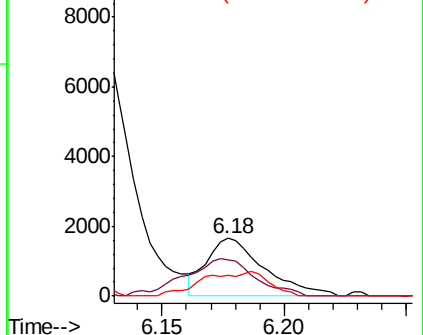


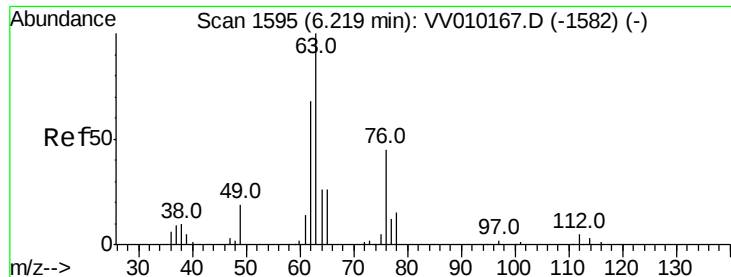
#36
 Methylcyclohexane
 Concen: 1.100 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV010186.D
 Acq: 08 Apr 2019 19:46

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





#40

1,2-Dichloropropane

Concen: 5.782 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV010186.D

Acq: 08 Apr 2019 19:46

Instrument :

MSVOA_V

ClientSampleId :

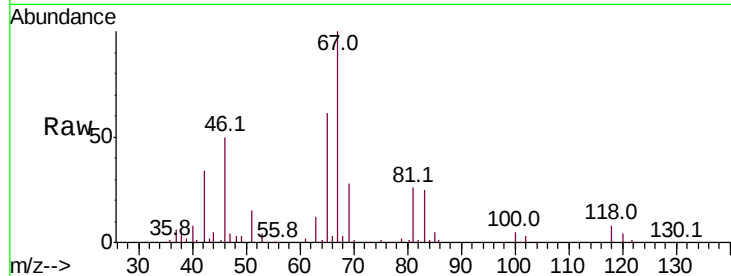
ETJ44MSD

Tot Ion: 63 Resp: 8447

Ion Ratio Lower Upper

63 100

112 0.5 3.6 5.4#

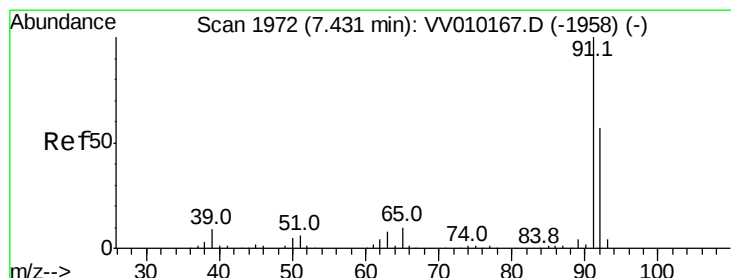
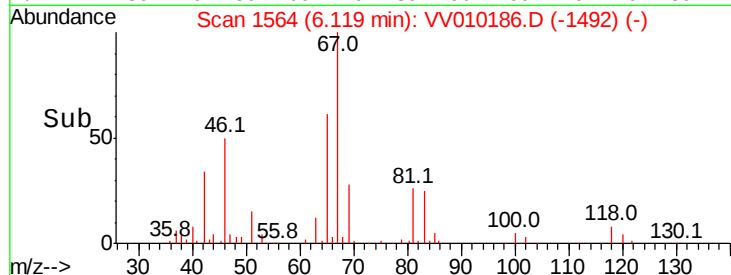


Abundance Ion 63.00 (62.70 to 63.70): VV010167.D (-1582) (-)

Ion 112.00 (111.70 to 112.70): VV010167.D (-1582) (-)

6.12

Time-->



#44

Toluene

Concen: 35.605 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010186.D

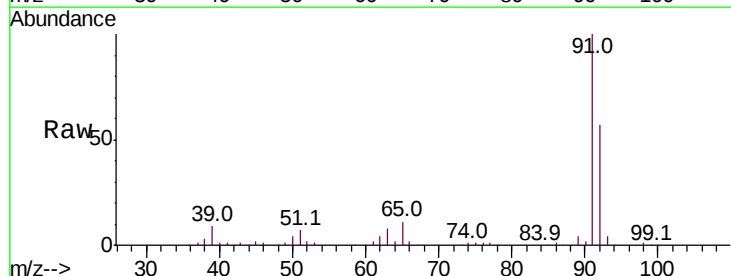
Acq: 08 Apr 2019 19:46

Tgt Ion: 91 Resp: 231041

Ion Ratio Lower Upper

91 100

92 57.5 41.0 76.2

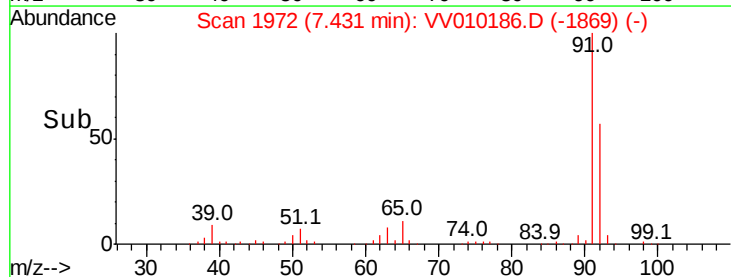


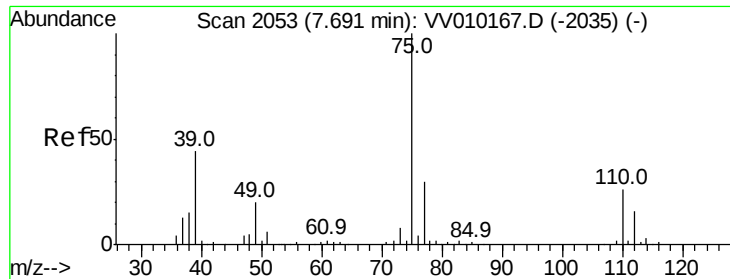
Abundance Ion 91.00 (90.70 to 91.70): VV010167.D (-1958) (-)

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

7.43

Time-->





#45

trans-1,3-Dichloropropene

Concen: 0.572 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV010186.D

Acq: 08 Apr 2019 19:46

Instrument :

MSVOA_V

ClientSampleId :

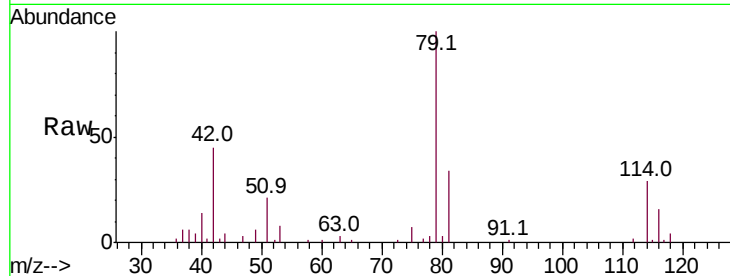
ETJ44MSD

Tot Ion: 75 Resp: 1028

Ion Ratio Lower Upper

75 100

77 32.1 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV010167.D (-2035) (-)

Ion 77.00 (76.70 to 77.70): VV010167.D (-2035) (-)

7.67

800

600

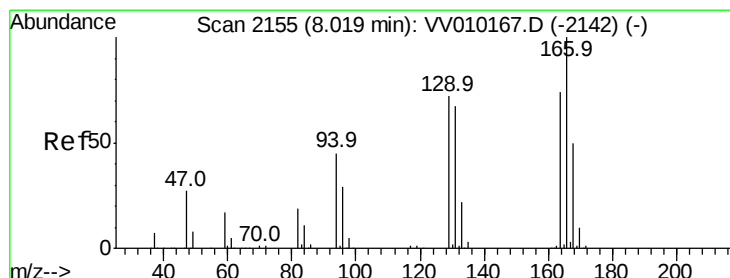
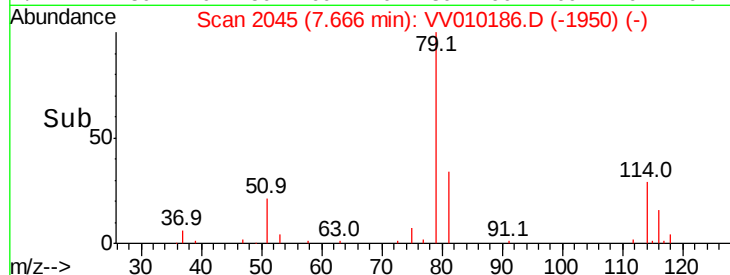
400

200

0

7.64 7.66 7.68 7.70

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

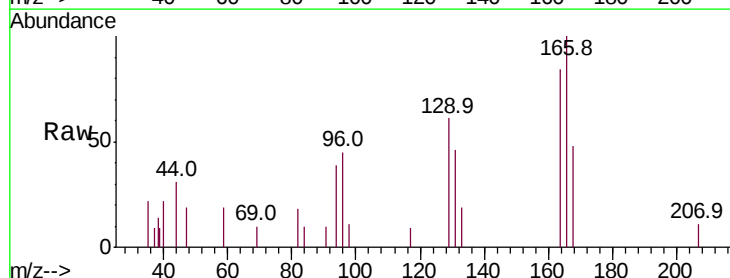
Ion Ratio Lower Upper

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): 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

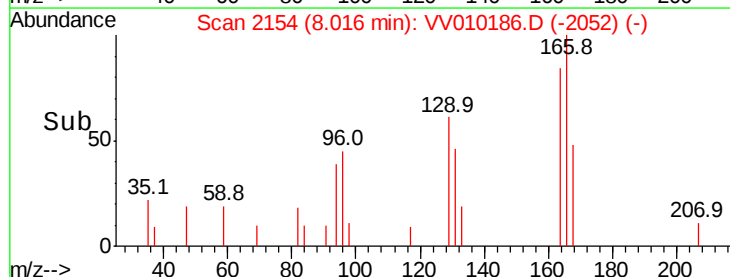
8.02

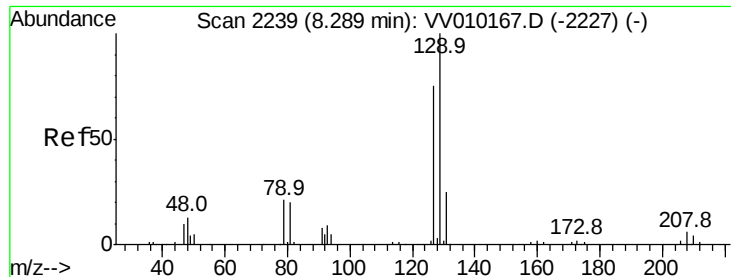
500

0

8.00 8.05

Time-->





#50

Dibromochloromethane

Concen: 0.725 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV010186.D

Acq: 08 Apr 2019 19:46

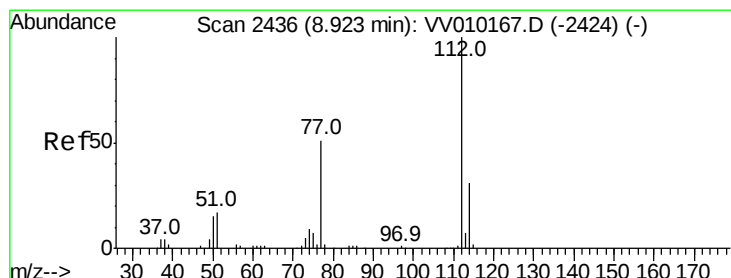
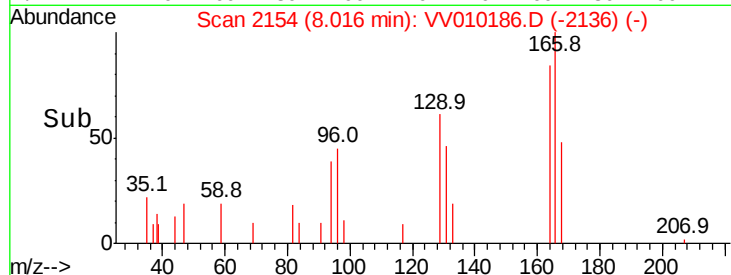
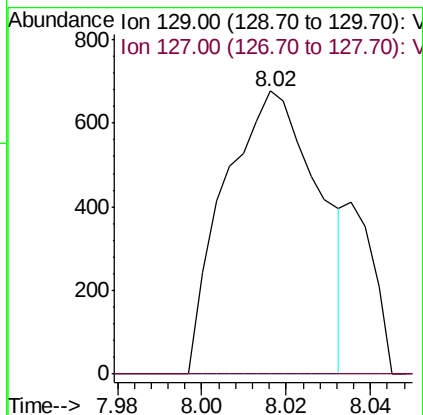
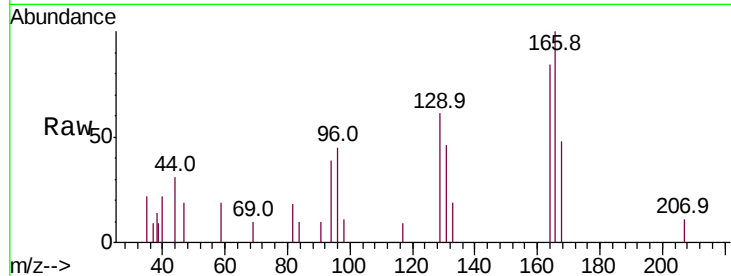
Instrument :
MSVOA_V
ClientSampleId :
ETJ44MSD

Tot Ion:129 Resp: 1053

Ion Ratio Lower Upper

129 100

127 0.0 52.1 96.7#



#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

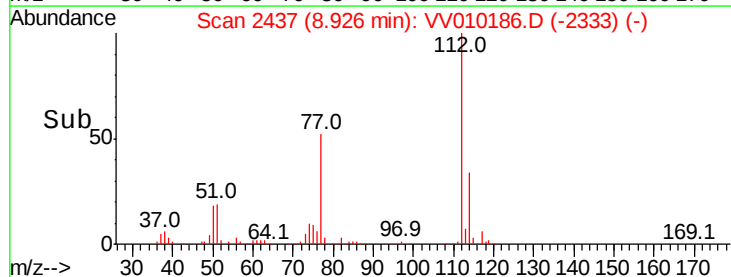
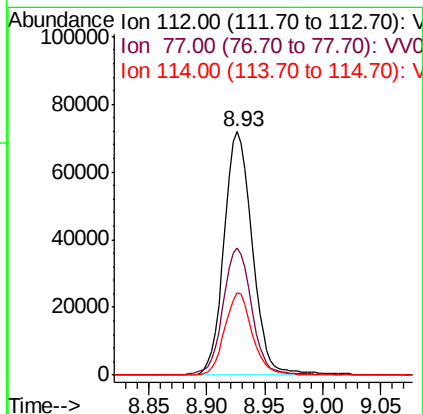
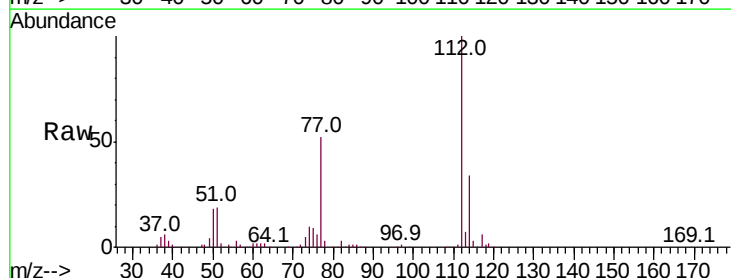
Tgt Ion:112 Resp: 121291

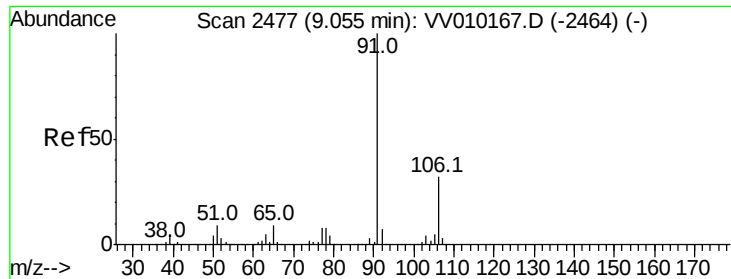
Ion Ratio Lower Upper

112 100

77 52.0 42.9 64.3

114 33.8 23.4 43.4





#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

Instrument :

MSVOA_V

ClientSampleId :

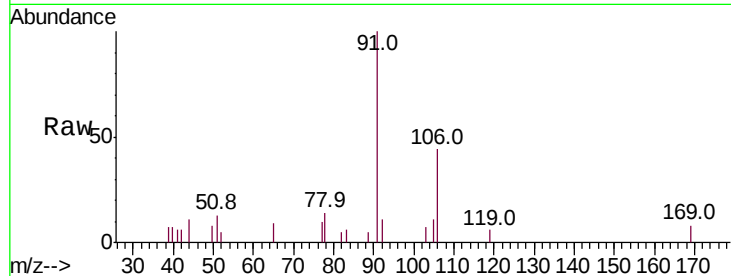
ETJ44MSD

Tot Ion: 91 Resp: 3955

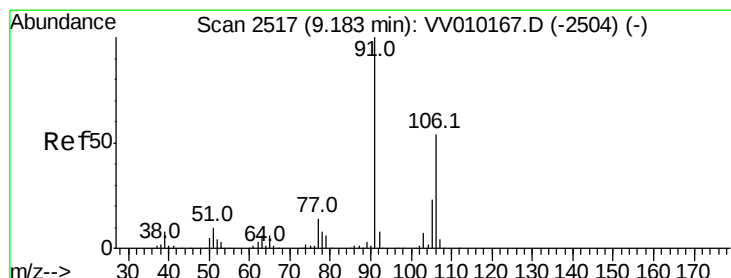
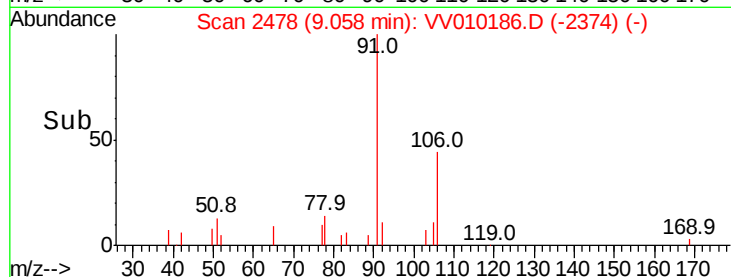
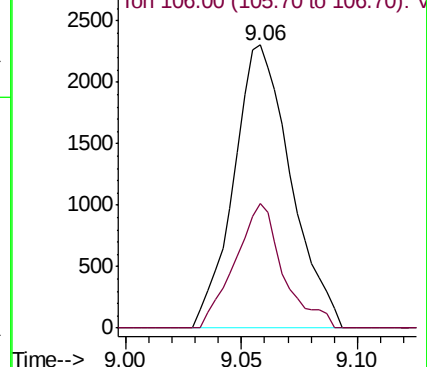
Ion Ratio Lower Upper

91 100

106 44.1 23.1 42.9#



Abundance Ion 91.00 (90.70 to 91.70): VV010186.D (-2374) (-)



#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

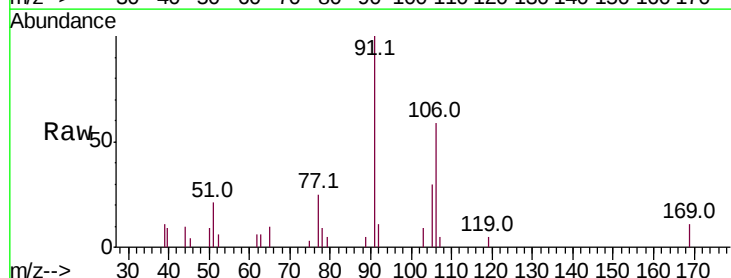
Acq: 08 Apr 2019 19:46

Tgt Ion:106 Resp: 3404

Ion Ratio Lower Upper

106 100

91 169.0 139.3 258.7



Abundance Ion 106.00 (105.70 to 106.70): VV010186.D (-2414) (-)

