

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 05:36:03 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

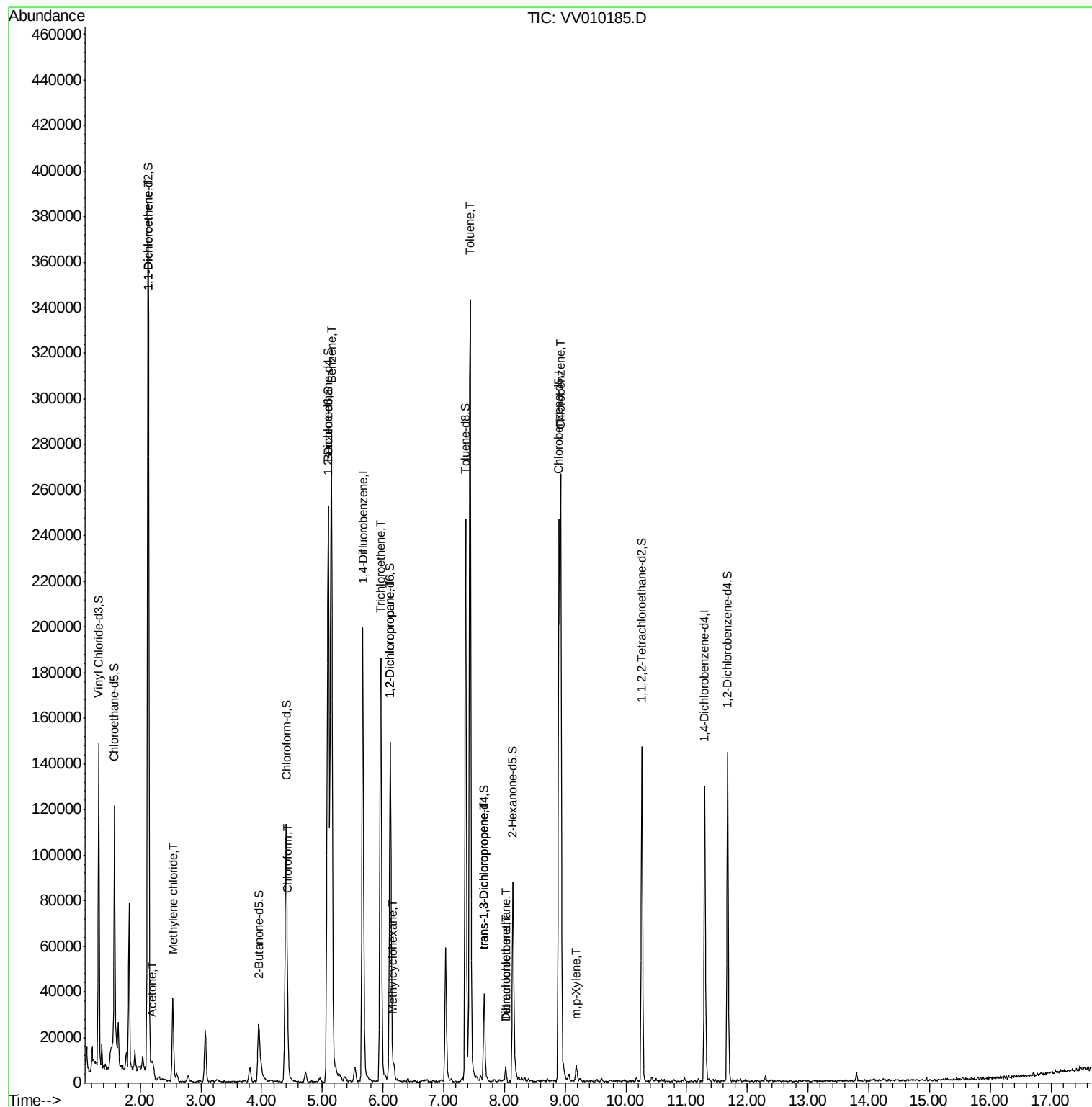
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.14	96	73700	31.361	ug/L	88
13) Acetone	2.21	43	3873	5.982	ug/L	96
16) Methylene chloride	2.53	84	14581	4.828	ug/L	100
25) Chloroform	4.43	83	5608	1.435	ug/L #	32
34) Benzene	5.15	78	283202	43.810	ug/L	100
35) Trichloroethene	5.96	95	60446	32.487	ug/L	98
36) Methylcyclohexane	6.17	83	2648	0.950	ug/L #	58
40) 1,2-Dichloropropane	6.12	63	7669	4.695	ug/L #	88
44) Toluene	7.43	91	252037	34.739	ug/L	96
45) trans-1,3-Dichloropropene	7.67	75	1061	0.528	ug/L	97
47) Tetrachloroethene	8.02	164	1245	0.799	ug/L	91
50) Dibromochloromethane	8.02	129	1236	0.761	ug/L #	12
52) Chlorobenzene	8.93	112	138748	28.038	ug/L	98
54) m,p-Xylene	9.18	106	2132	0.689	ug/L #	56

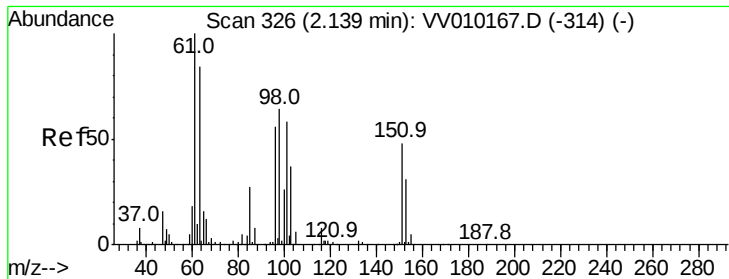
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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

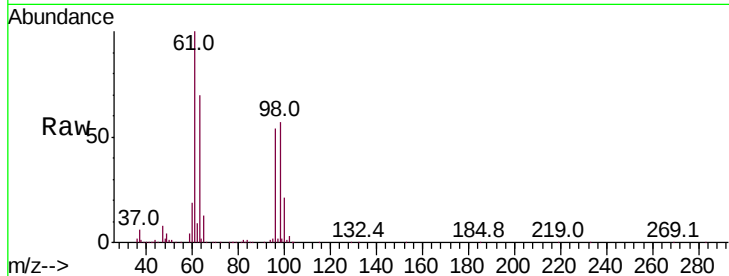
Tot Ion: 96 Resp: 73700

Ion Ratio Lower Upper

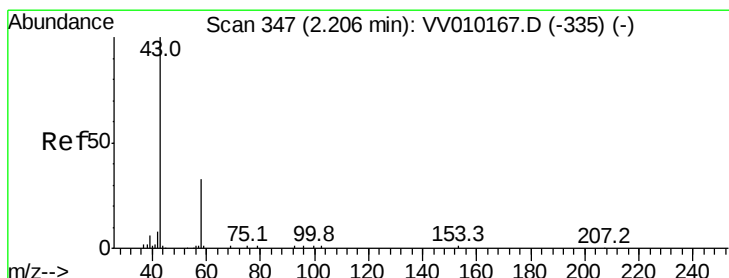
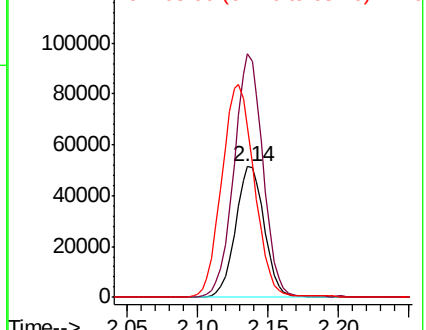
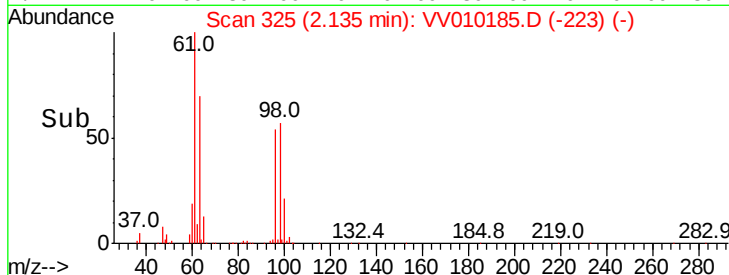
96 100

61 186.4 127.8 237.4

63 130.6 112.6 209.2



Abundance Ion 96.00 (95.70 to 96.70): VV010185.D (-223) (-)



#13

Acetone

Concen: 5.982 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.00 min

Lab File: VV010185.D

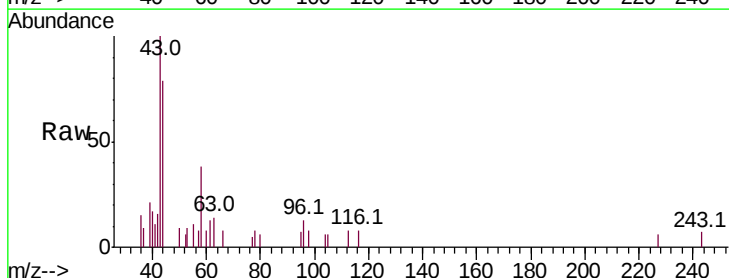
Acq: 08 Apr 2019 19:19

Tgt Ion: 43 Resp: 3873

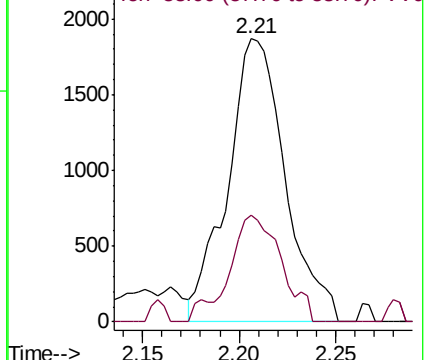
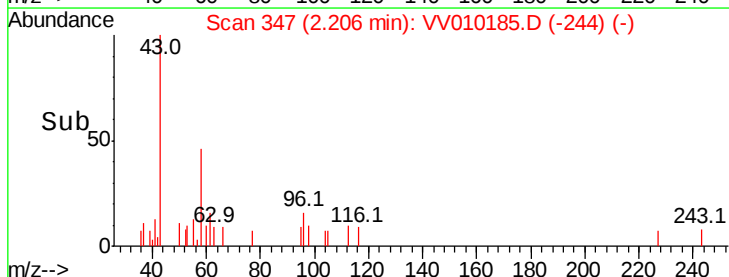
Ion Ratio Lower Upper

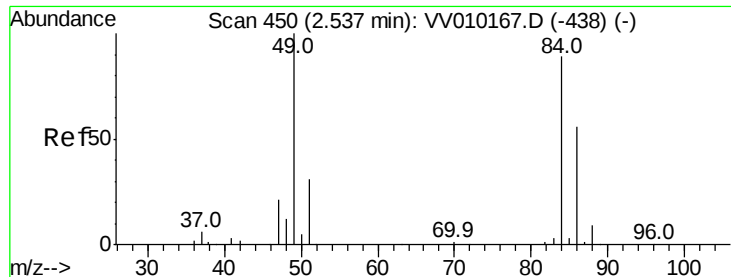
43 100

58 30.2 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010185.D (-244) (-)

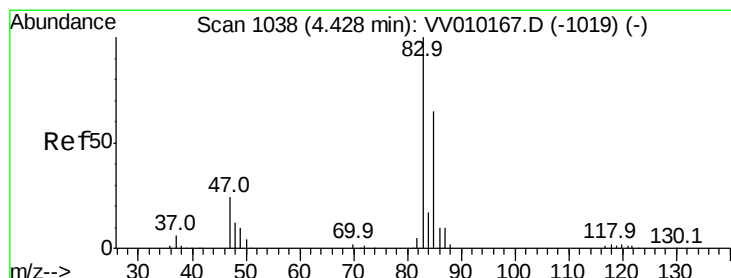
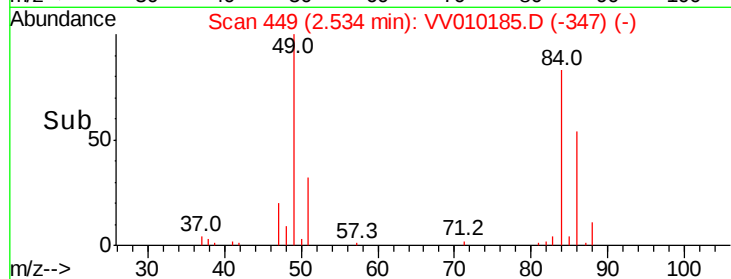
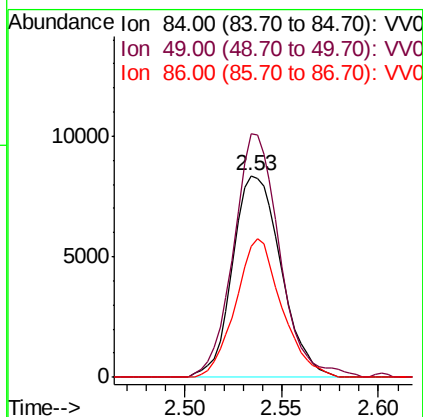
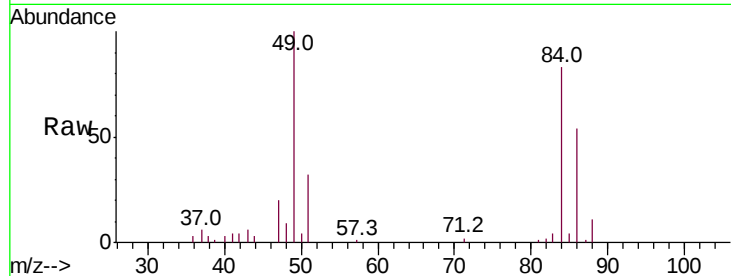




#16
Methvlene chloride
Concen: 4.828 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010185.D
Acq: 08 Apr 2019 19:19

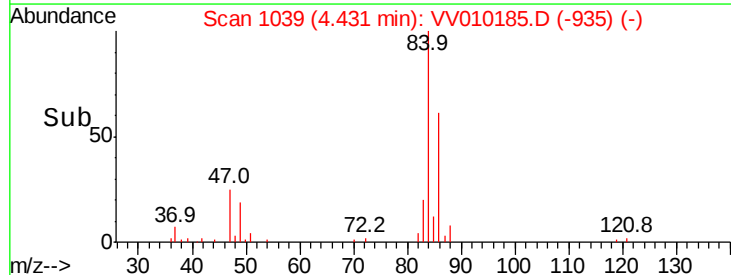
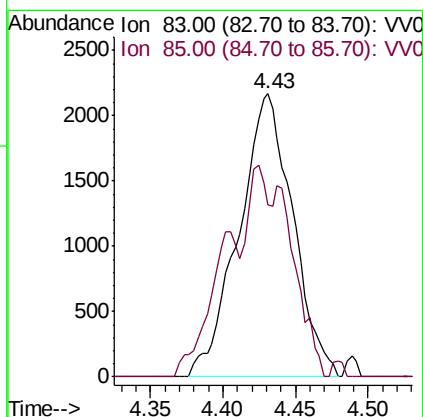
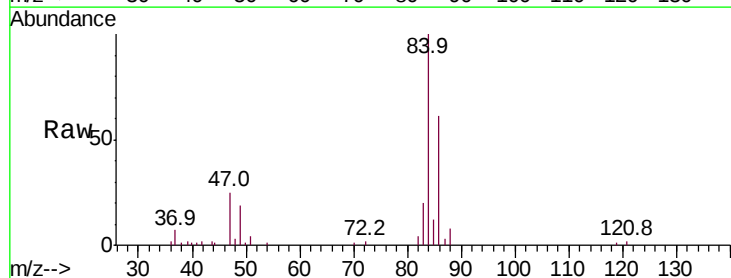
Instrument :
MSVOA_V
ClientSampleId :
ETJ44MS

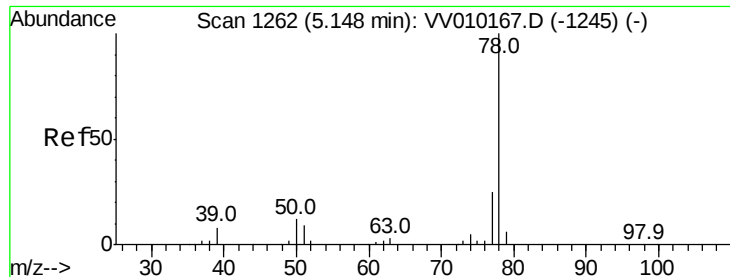
Tot Ion: 84 Resp: 14581
Ion Ratio Lower Upper
84 100
49 120.9 84.3 156.5
86 65.2 45.4 84.2



#25
Chloroform
Concen: 1.435 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV010185.D
Acq: 08 Apr 2019 19:19

Tgt Ion: 83 Resp: 5608
Ion Ratio Lower Upper
83 100
85 11.9 46.4 86.2#





#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

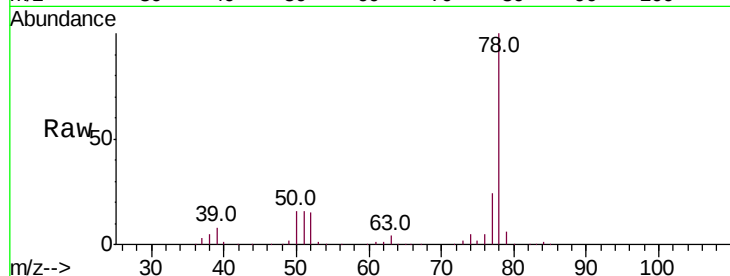
Instrument :

MSVOA_V

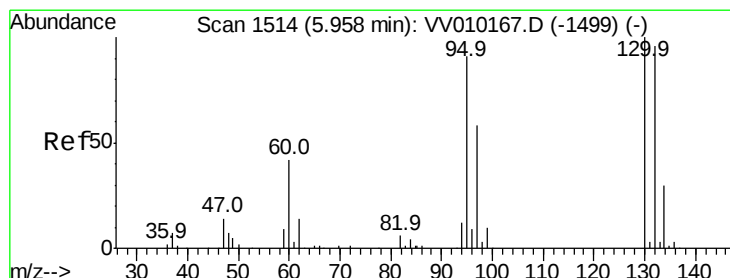
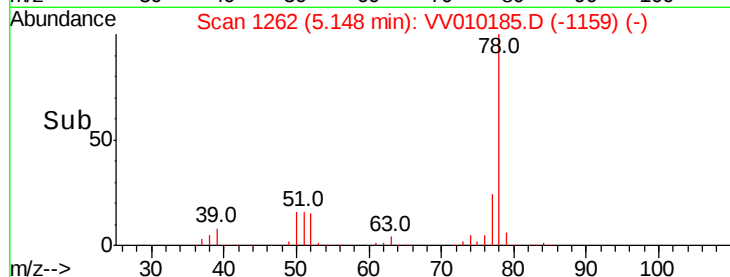
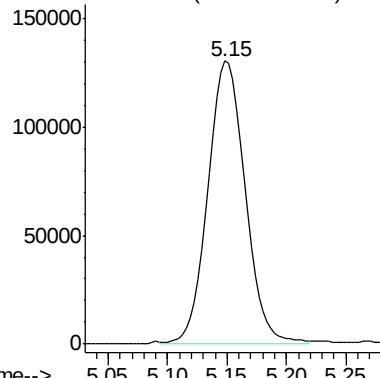
ClientSampleId :

ETJ44MS

Tgt Ion: 78 Resp: 283202



Abundance Ion 78.00 (77.70 to 78.70): VV0



#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

Tgt 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

95 100

97 66.0 45.8 85.2

132 103.9 70.6 131.0

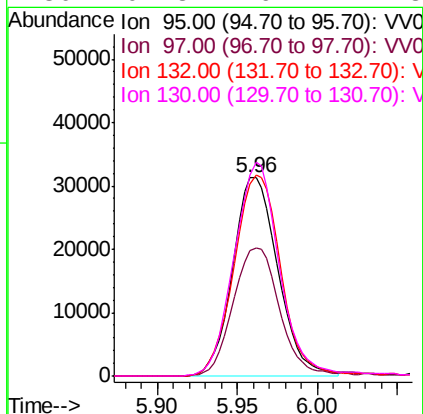
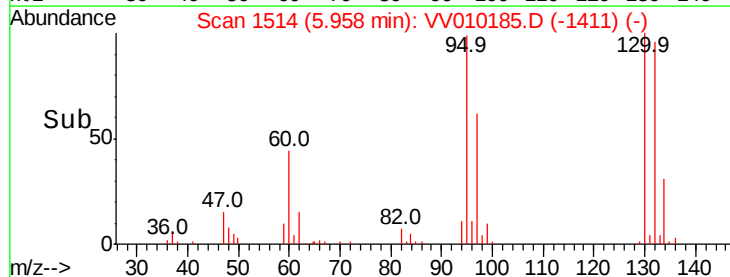
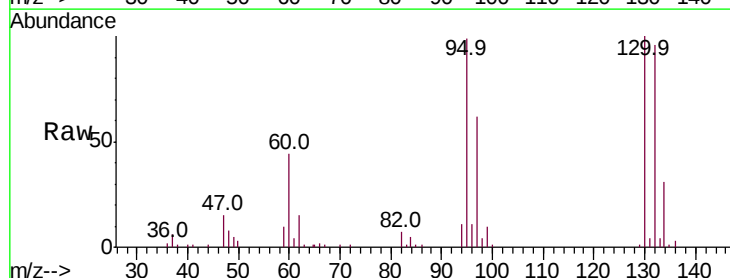
130 107.3 76.1 141.3

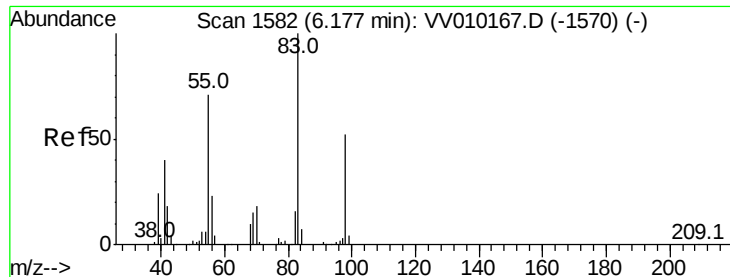
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

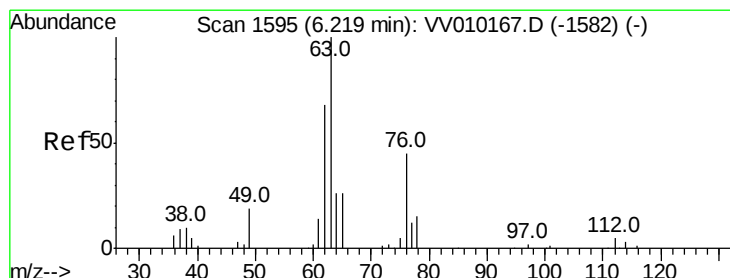
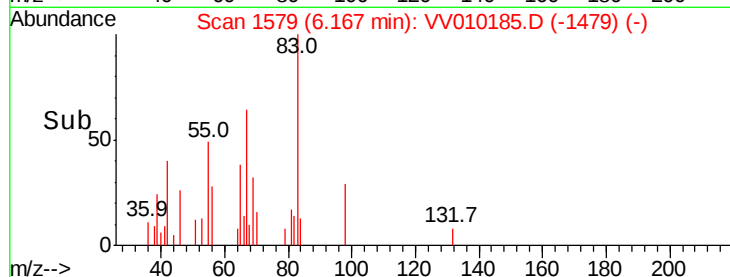
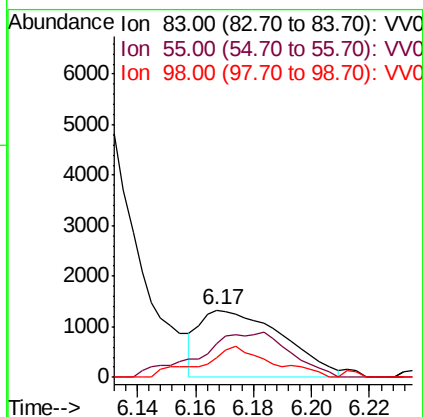
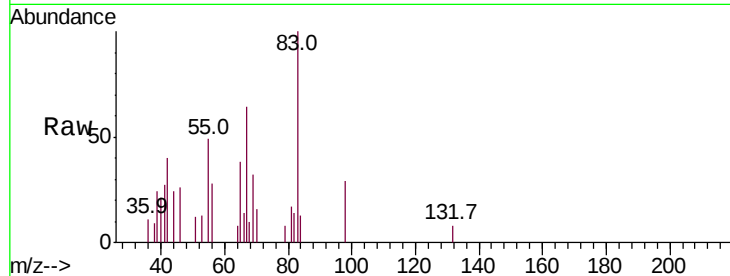




#36
Methvlcvclohexane
Concen: 0.950 ug/L
RT: 6.17 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VV010185.D
Acq: 08 Apr 2019 19:19

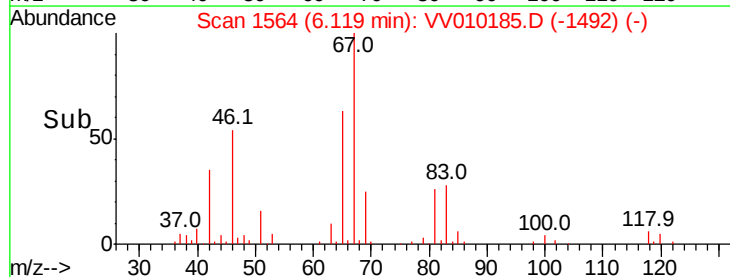
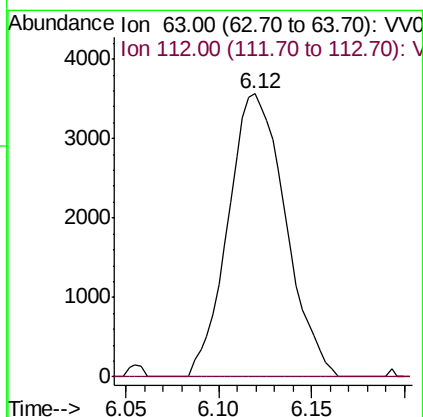
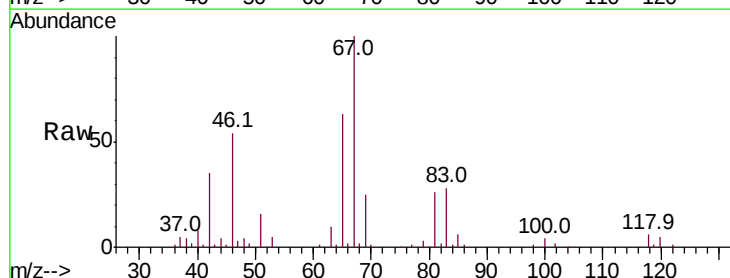
Instrument :
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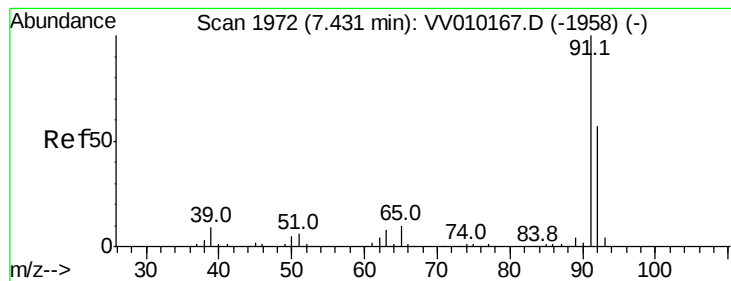
Tot Ion: 83 Resp: 2648
Ion Ratio Lower Upper
83 100
55 39.8 56.3 84.5#
98 14.7 39.0 58.6#



#40
1,2-Dichloropropane
Concen: 4.695 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV010185.D
Acq: 08 Apr 2019 19:19

Tgt Ion: 63 Resp: 7669
Ion Ratio Lower Upper
63 100
112 0.6 3.6 5.4#





#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 :

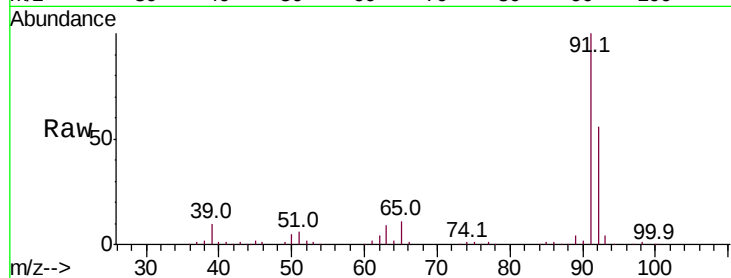
ETJ44MS

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): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

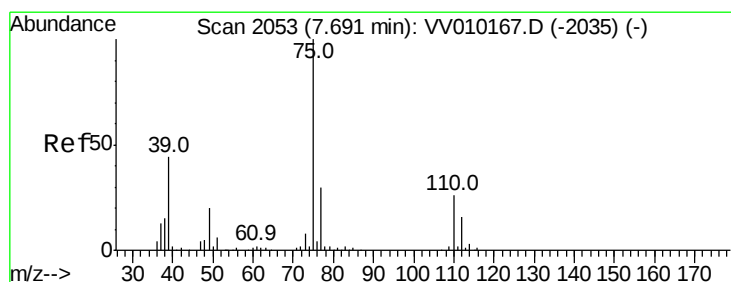
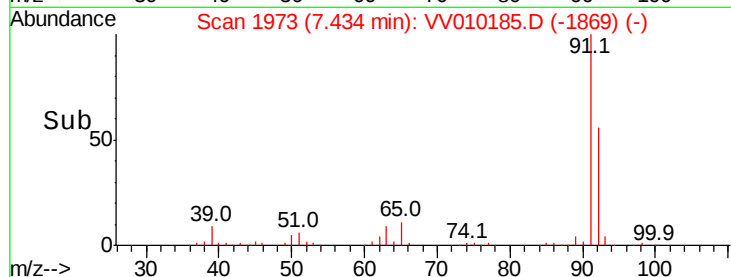
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 0.528 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.02 min

Lab File: VV010185.D

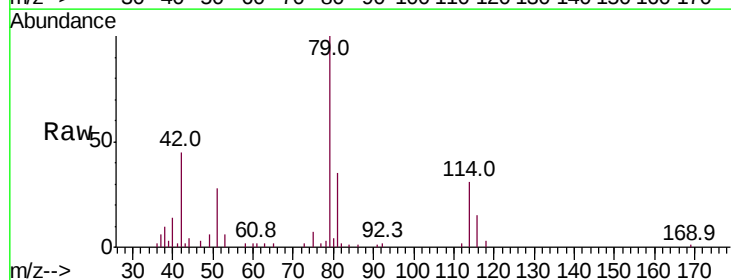
Acq: 08 Apr 2019 19:19

Tgt Ion: 75 Resp: 1061

Ion Ratio Lower Upper

75 100

77 31.7 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

800

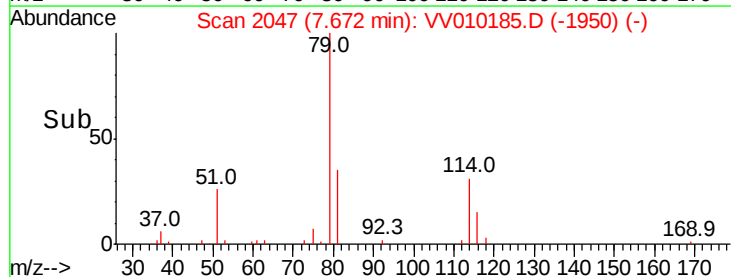
600

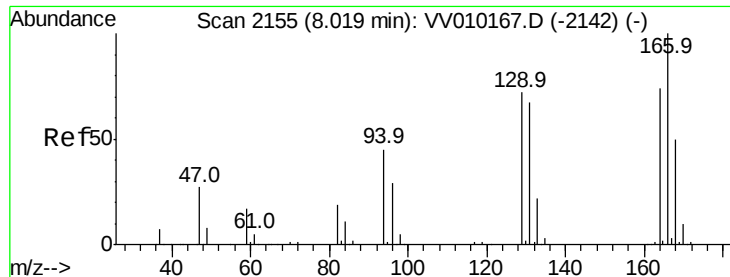
400

200

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

Instrument :

MSVOA_V

ClientSampleId :

ETJ44MS

Tot Ion:164 Resp: 1245

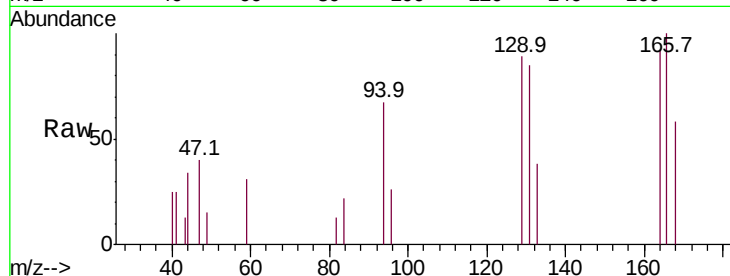
Ion Ratio Lower Upper

164 100

129 96.8 67.8 125.8

131 92.3 65.2 121.0

166 109.1 93.8 174.2

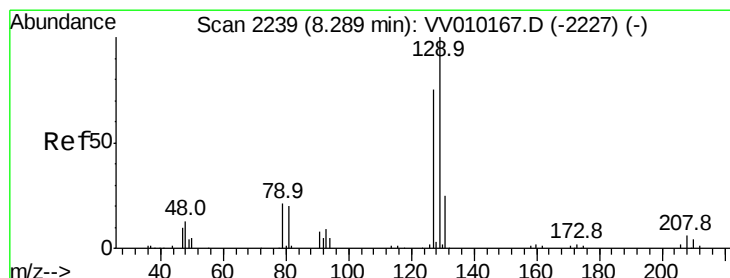
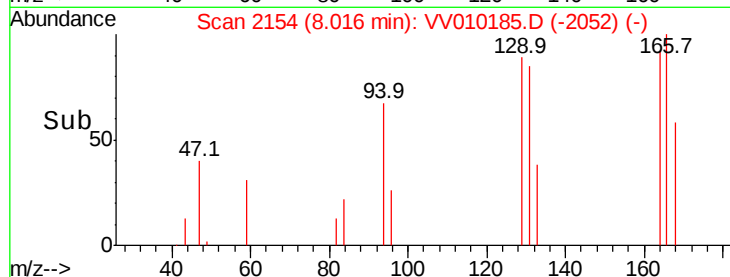
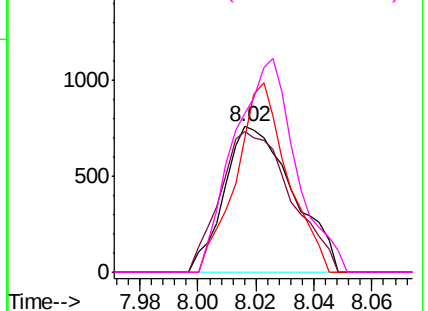


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#50

Dibromochloromethane

Concen: 0.761 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV010185.D

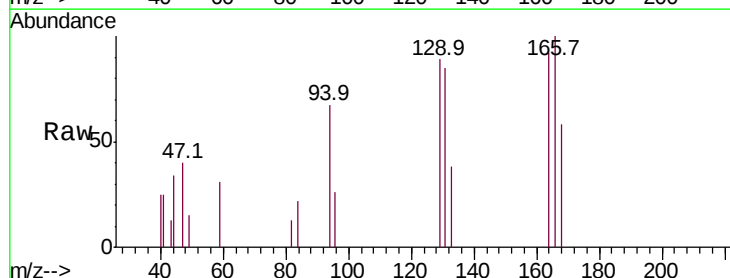
Acq: 08 Apr 2019 19:19

Tgt Ion:129 Resp: 1236

Ion Ratio Lower Upper

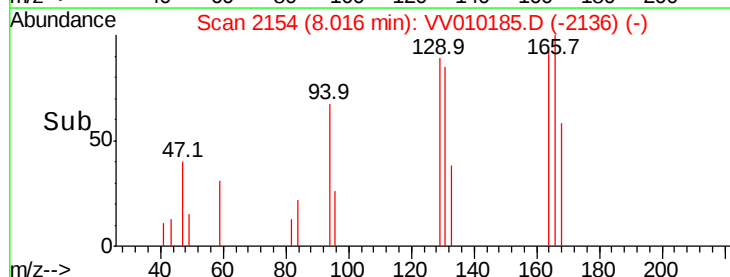
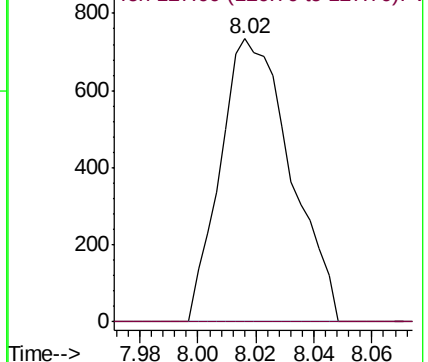
129 100

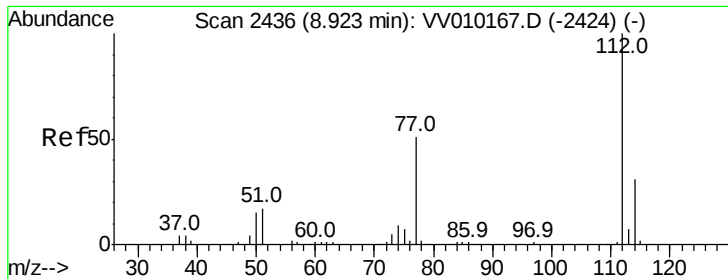
127 0.0 52.1 96.7#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

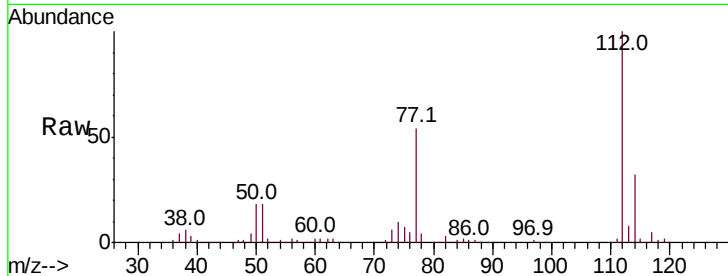




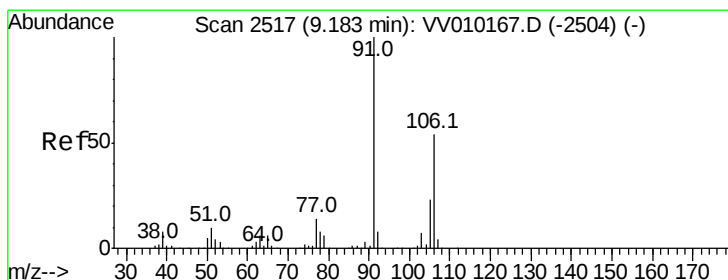
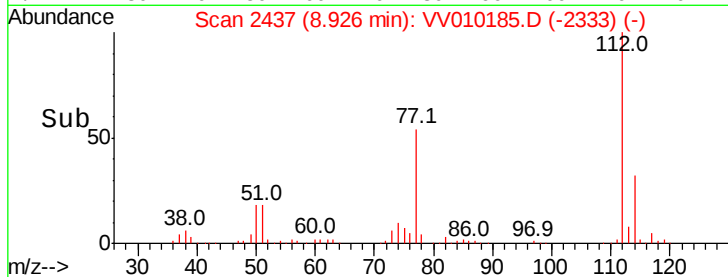
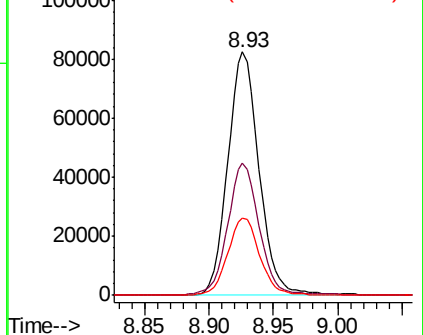
#52
Chlorobenzene
Concen: 28.038 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV010185.D
Acq: 08 Apr 2019 19:19

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

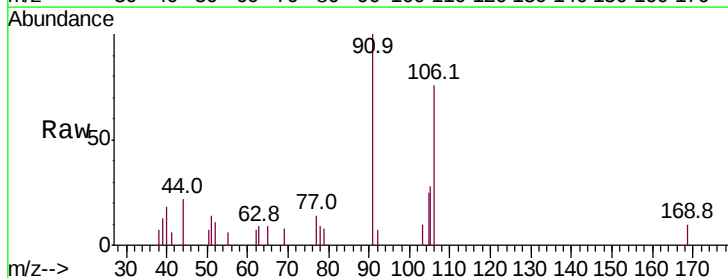


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): VV0
Ion 114.00 (113.70 to 114.70): V



#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#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

