

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080818\
 Data File : VV006935.D
 Acq On : 08 Aug 2018 15:51
 Operator : SY/MD
 Sample : J4357-20
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 09 07:07:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 09 07:05:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	204203	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	193574	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	77494	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80488	6.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	131.40%#
7) Chloroethane-d5	1.58	69	61501	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.13	63	105480	4.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.80%
20) 2-Butanone-d5	3.97	46	206523	52.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.72%
24) Chloroform-d	4.41	84	128493	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.09	65	68587	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.10	84	255775	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
36) 1,2-Dichloropropane-d6	6.12	67	85487	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.37	98	193077	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.67	79	26299	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.15	63	87855	38.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.02%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	60815	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	66972	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

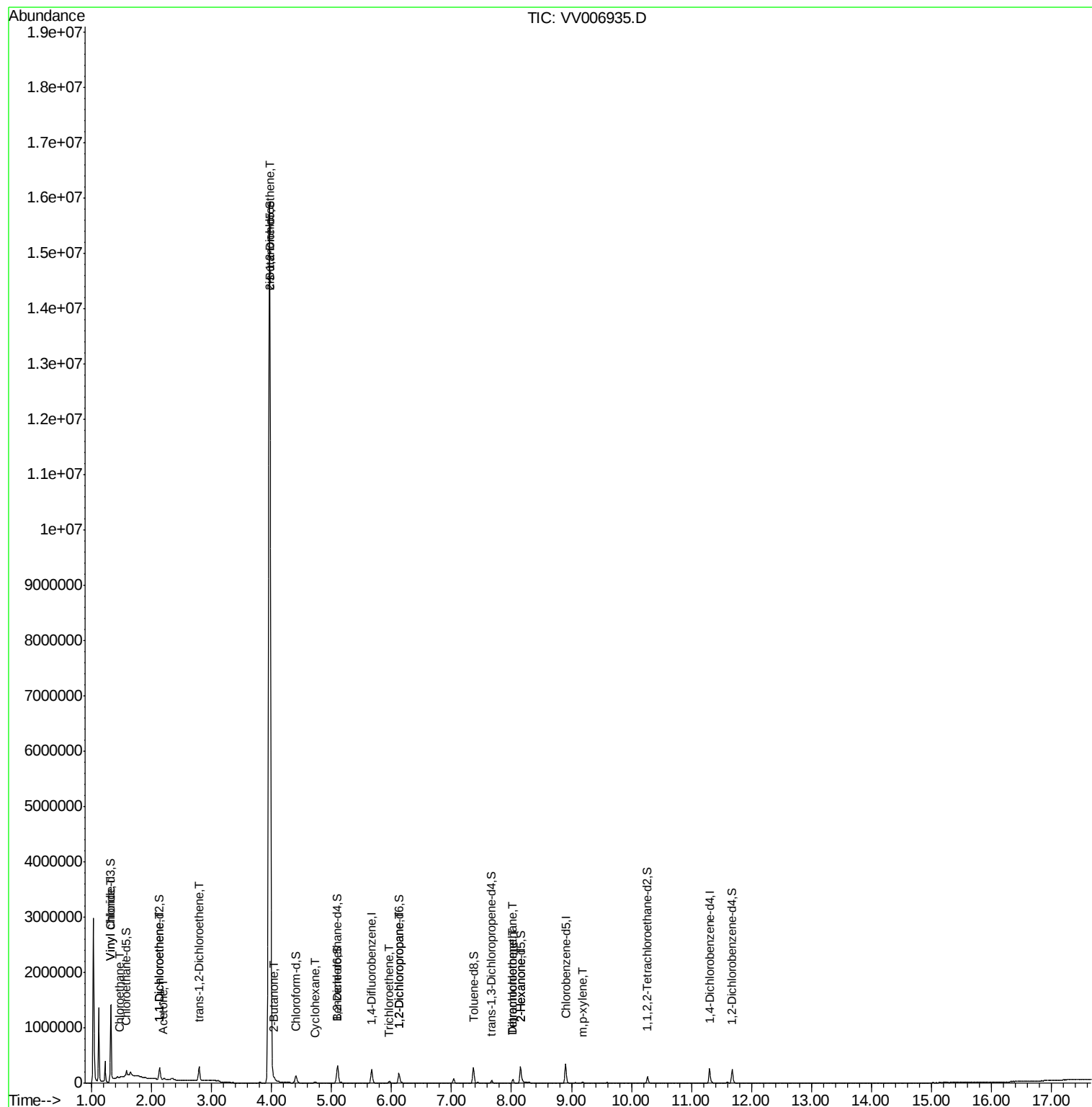
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	751689	39.161	ug/L	98
8) Chloroethane	1.46	64	86191	7.126	ug/L #	50
12) 1,1-Dichloroethene	2.14	96	16727	1.238	ug/L #	4
13) Acetone	2.21	43	8107	3.179	ug/L	83
18) trans-1,2-Dichloroethene	2.79	96	92439	6.302	ug/L	97
21) 2-Butanone	4.05	43	1738	0.414	ug/L #	52
22) cis-1,2-Dichloroethene	3.97	96	8613661	586.958	ug/L	98
30) Cyclohexane	4.72	56	5587	0.244	ug/L	99
34) Trichloroethene	5.96	95	8149	0.587	ug/L	92
37) 1,2-Dichloropropane	6.13	63	8923	0.538	ug/L #	89
47) Tetrachloroethene	8.02	164	12935	1.224	ug/L	95
48) 2-Hexanone	8.15	43	14765	2.279	ug/L #	69
49) Dibromochloromethane	8.02	129	11063	1.004	ug/L #	9
53) m,p-xylene	9.19	106	5931	0.299	ug/L	98

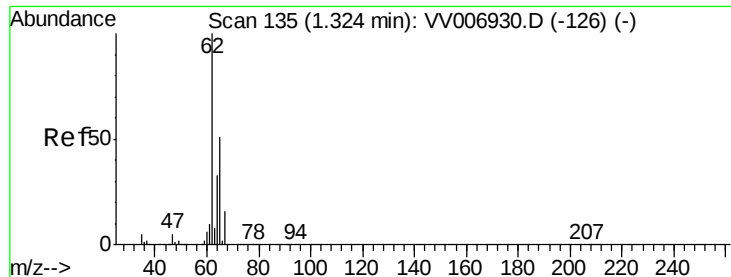
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 09 07:05:51 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 39.161 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006935.D

Acq: 08 Aug 2018 15:51

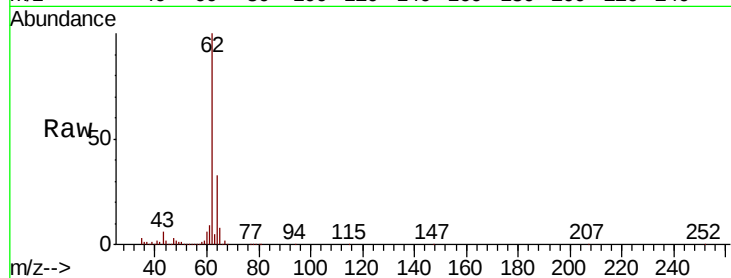
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 751689

Ion Ratio Lower Upper

62 100

64 32.6 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV006935.D (-126) (-)

Ion 64.10 (63.80 to 64.80): VV006935.D (-126) (-)

1.32

800000

600000

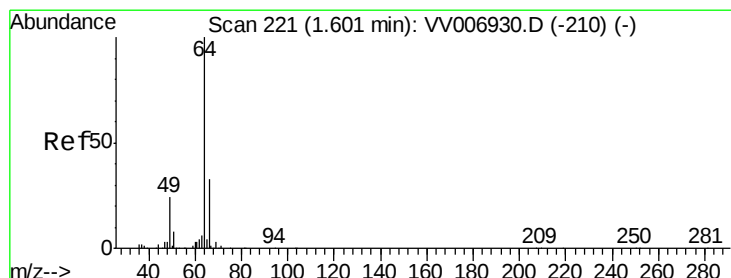
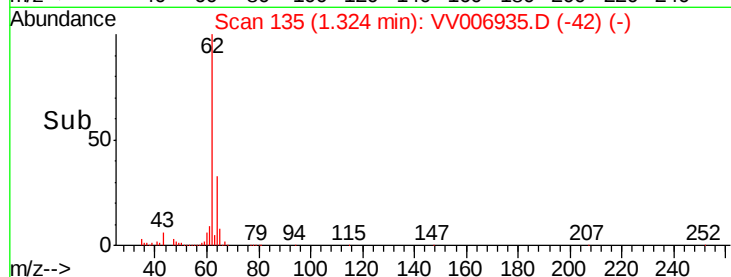
400000

200000

0

1.25 1.30 1.35 1.40 1.45

Time-->



#8

Chloroethane

Concen: 7.126 ug/L

RT: 1.46 min Scan# 178

Delta R.T. -0.14 min

Lab File: VV006935.D

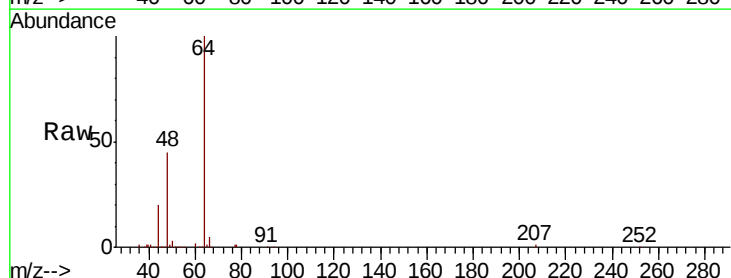
Acq: 08 Aug 2018 15:51

Tgt Ion: 64 Resp: 86191

Ion Ratio Lower Upper

64 100

66 4.5 22.6 42.0#



Abundance Ion 64.10 (63.80 to 64.80): VV006935.D (-210) (-)

Ion 66.05 (65.75 to 66.75): VV006935.D (-210) (-)

1.46

250000

200000

150000

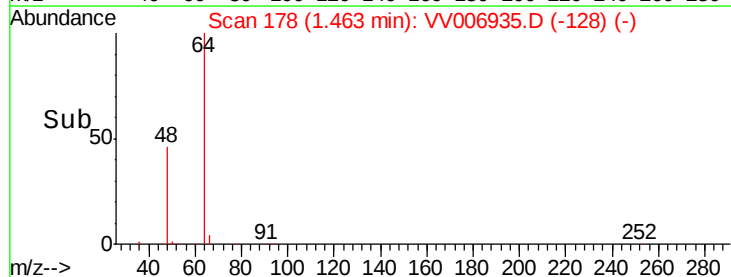
100000

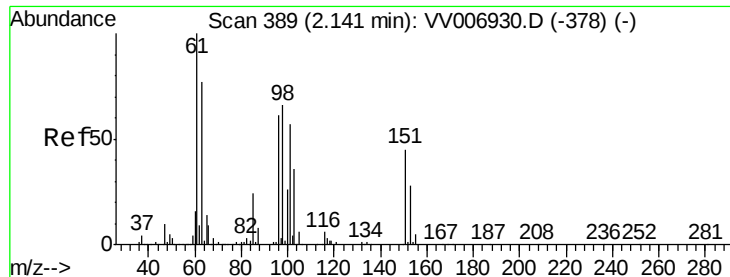
50000

0

1.35 1.40 1.45 1.50

Time-->

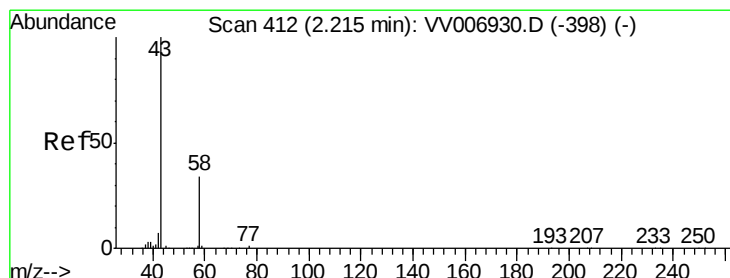
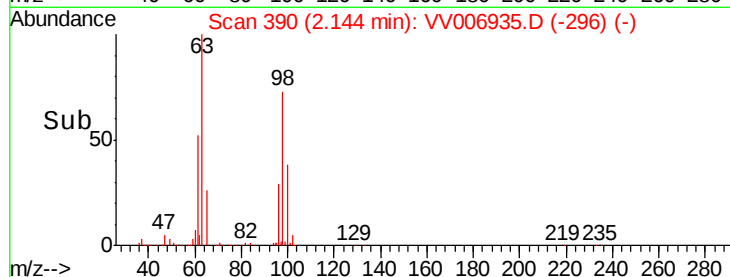
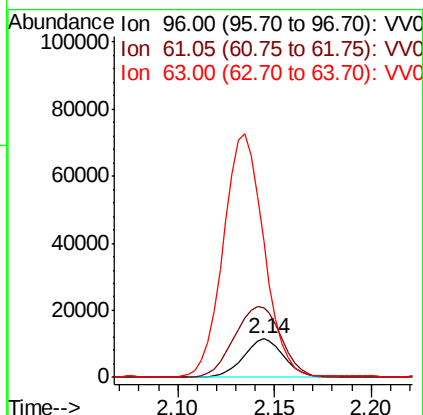
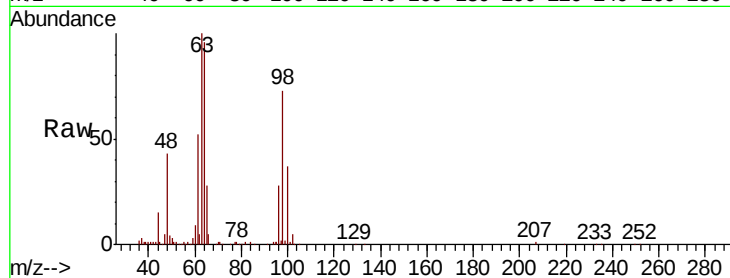




#12
 1,1-Dichloroethene
 Concen: 1.238 ug/L
 RT: 2.14 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VV006935.D
 Acq: 08 Aug 2018 15:51

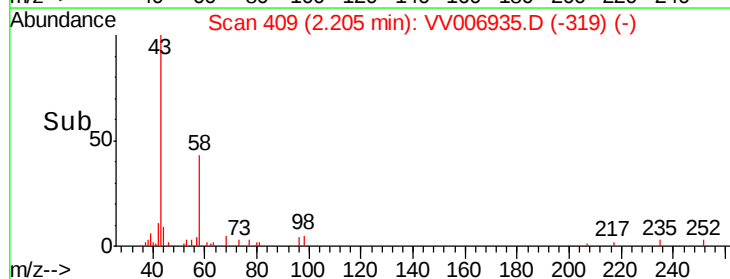
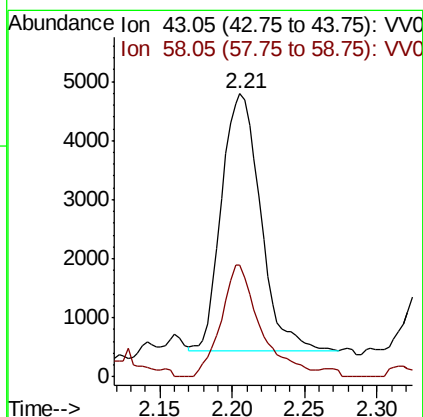
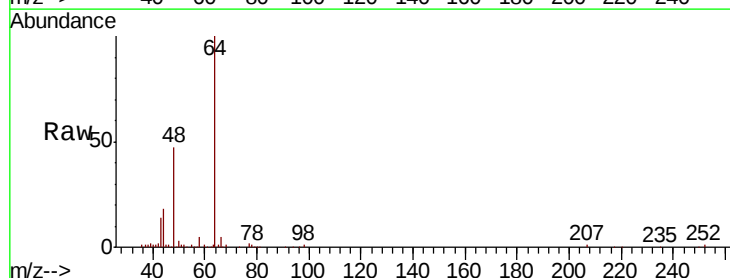
Instrument :
 MSVOA_V
 ClientSampleId :

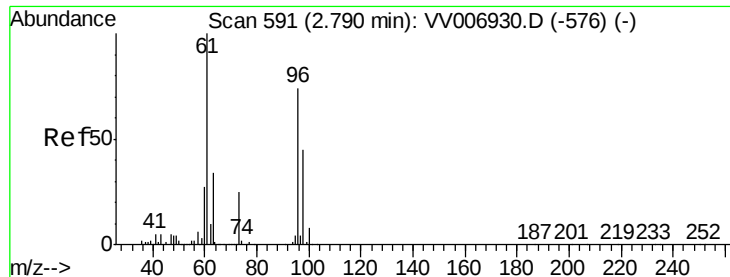
Tot Ion	Ratio	Lower	Upper
96	100		
61	181.6	119.0	221.0
63	350.9	73.6	136.6#



#13
 Acetone
 Concen: 3.179 ug/L
 RT: 2.21 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VV006935.D
 Acq: 08 Aug 2018 15:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	44.0	0.0	68.0





#18

trans-1,2-Dichloroethene

Concen: 6.302 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006935.D

Acq: 08 Aug 2018 15:51

Instrument :
MSVOA_V
ClientSampleId :

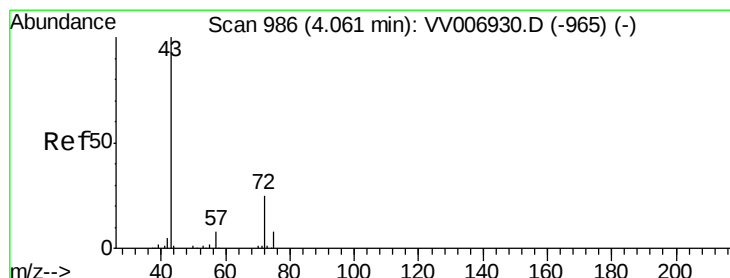
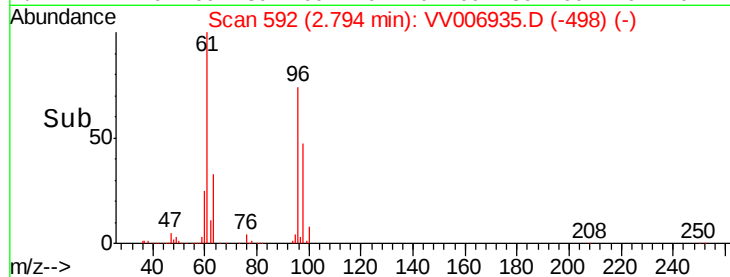
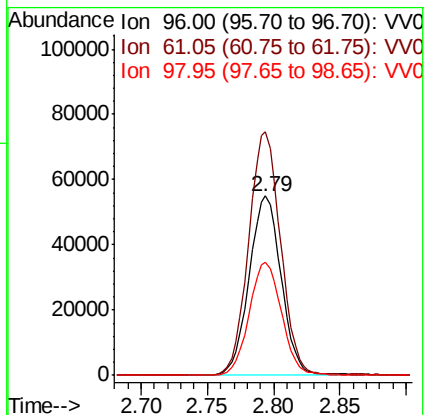
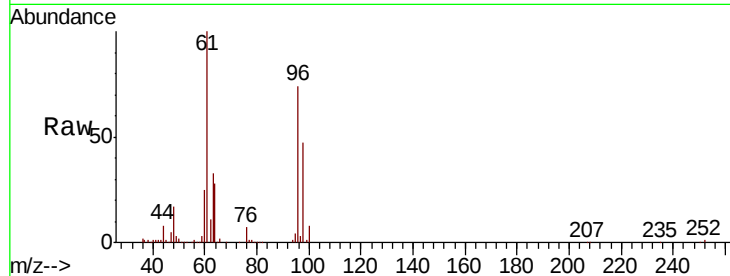
Tot Ion: 96 Resp: 92439

Ion Ratio Lower Upper

96 100

61 135.8 97.3 180.7

98 63.2 42.8 79.6



#21

2-Butanone

Concen: 0.414 ug/L

RT: 4.05 min Scan# 982

Delta R.T. -0.01 min

Lab File: VV006935.D

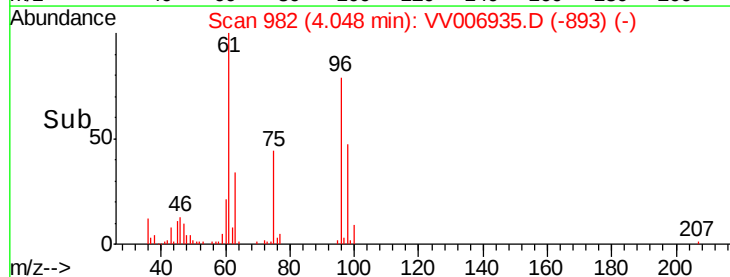
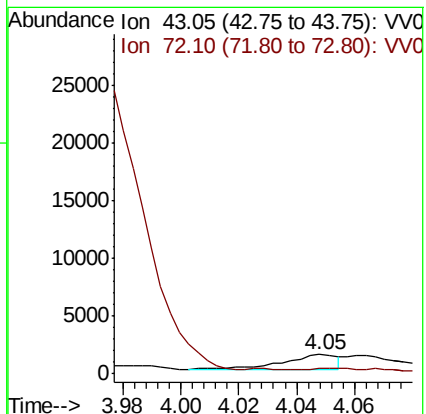
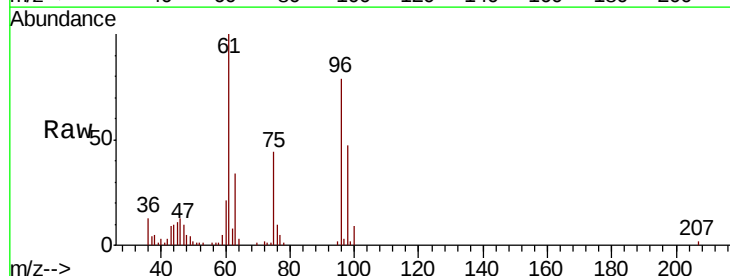
Acq: 08 Aug 2018 15:51

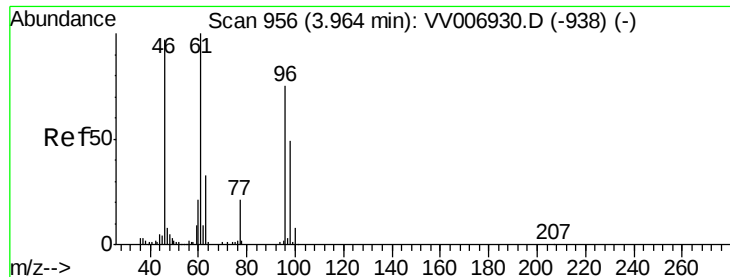
Tgt Ion: 43 Resp: 1738

Ion Ratio Lower Upper

43 100

72 0.0 11.9 35.5#



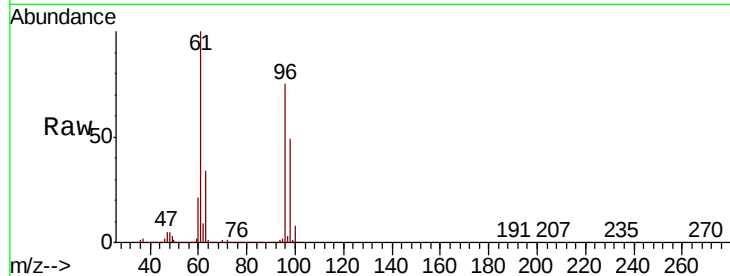


#22

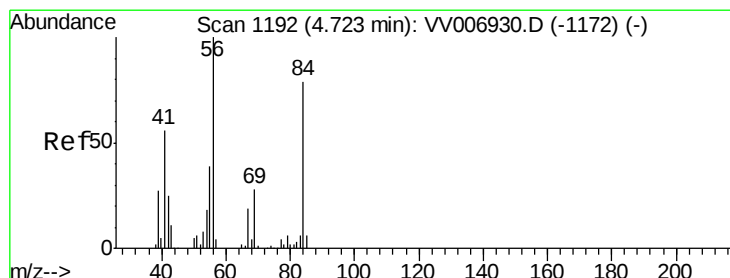
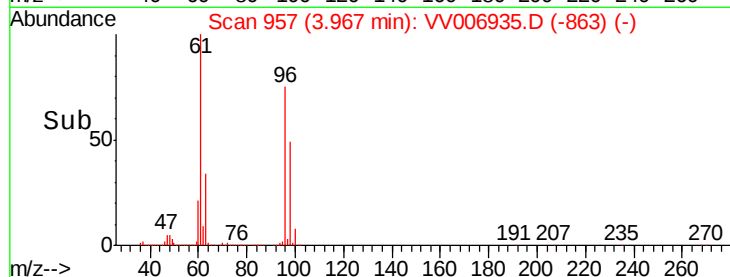
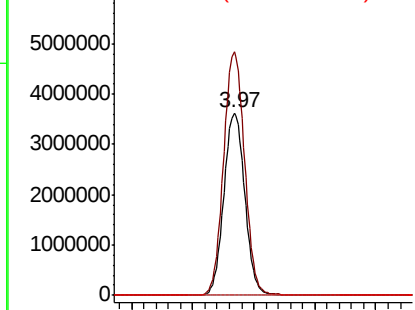
cis-1,2-Dichloroethene
Concen: 586.958 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV006935.D
Acq: 08 Aug 2018 15:51

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 8613661
Ion Ratio Lower Upper
96 100
61 133.6 95.5 177.4
68 0.0 0.0 0.0



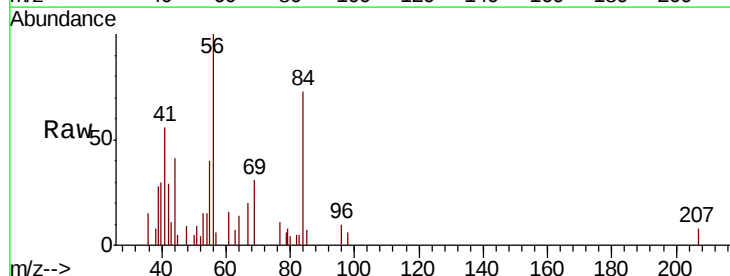
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



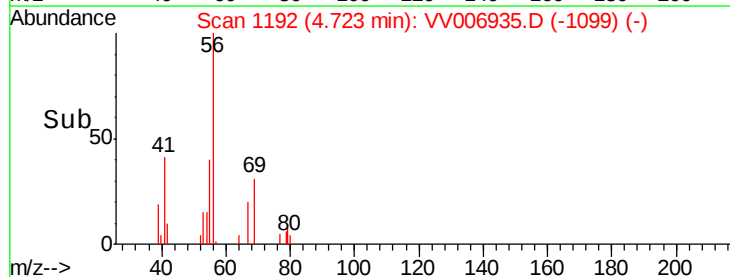
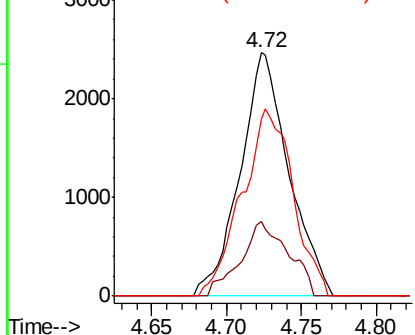
#30

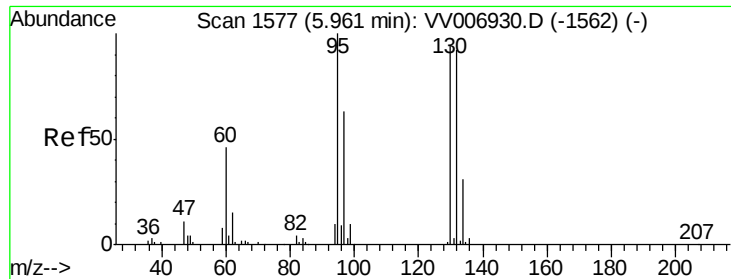
Cyclohexane
Concen: 0.244 ug/L
RT: 4.72 min Scan# 1192
Delta R.T. 0.00 min
Lab File: VV006935.D
Acq: 08 Aug 2018 15:51

Tgt Ion: 56 Resp: 5587
Ion Ratio Lower Upper
56 100
69 29.9 24.2 36.2
84 80.5 65.5 98.3



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#34

Trichloroethene

Concen: 0.587 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006935.D

Acq: 08 Aug 2018 15:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 8149

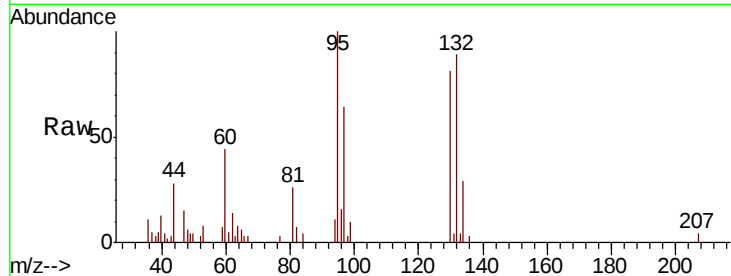
Ion Ratio Lower Upper

95 100

97 63.7 44.4 82.4

132 89.1 65.6 121.8

130 81.3 68.8 127.8

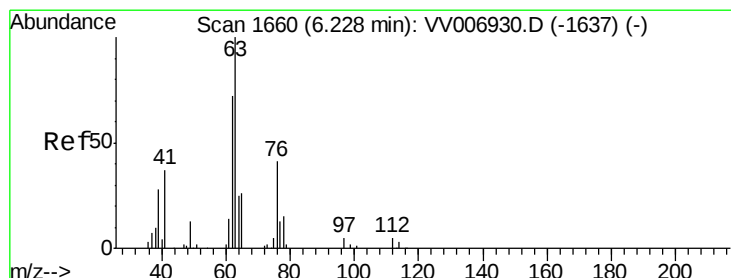
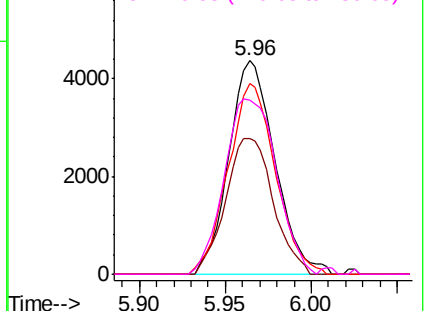
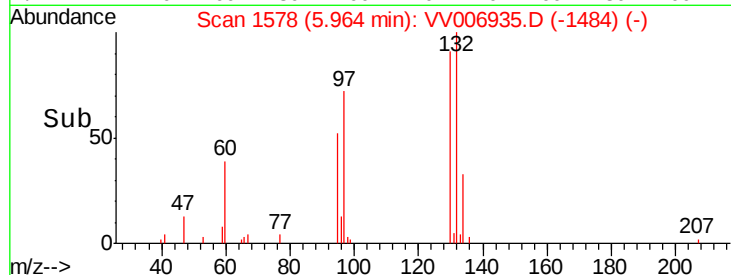


Abundance Ion 95.00 (94.70 to 95.70): VV006935.D (-1562) (-)

Ion 96.95 (96.65 to 97.65): VV006935.D (-1562) (-)

Ion 131.95 (131.65 to 132.65): VV006935.D (-1562) (-)

Ion 129.95 (129.65 to 130.65): VV006935.D (-1562) (-)



#37

1,2-Dichloropropane

Concen: 0.538 ug/L

RT: 6.13 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VV006935.D

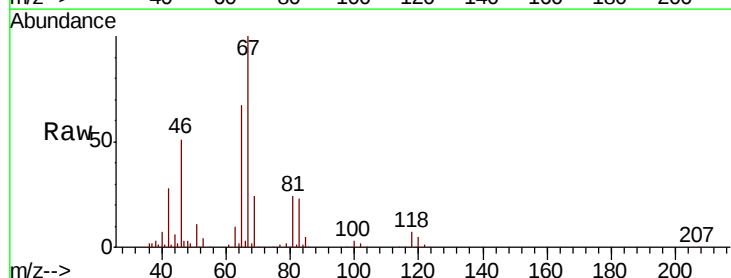
Acq: 08 Aug 2018 15:51

Tgt Ion: 63 Resp: 8923

Ion Ratio Lower Upper

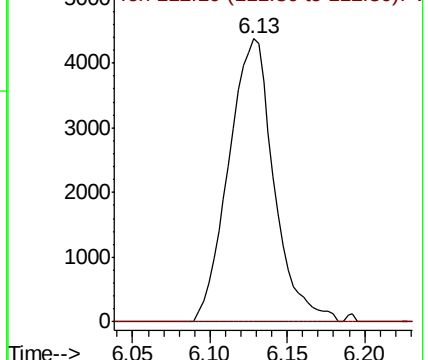
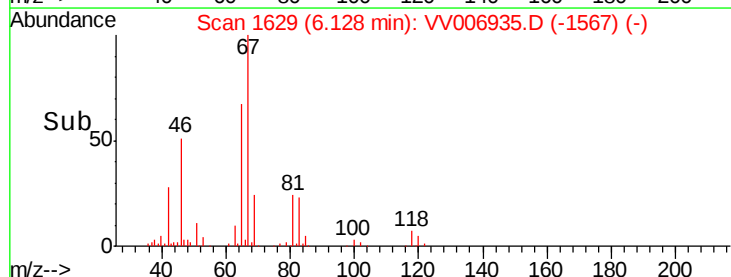
63 100

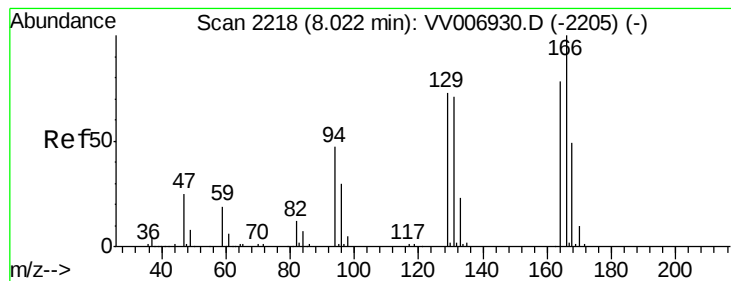
112 0.7 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VV006935.D (-1567) (-)

Ion 112.10 (111.80 to 112.80): VV006935.D (-1567) (-)





#47

Tetrachloroethene

Concen: 1.224 ug/L

RT: 8.02 min Scan# 2218

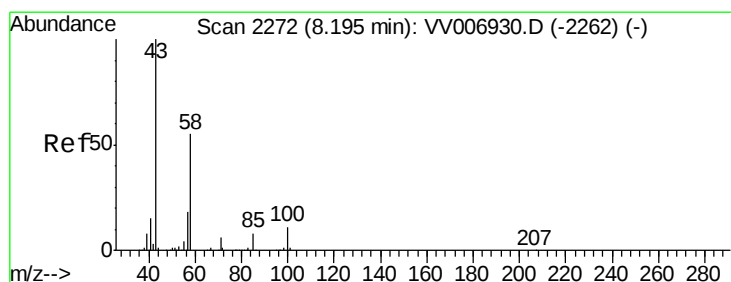
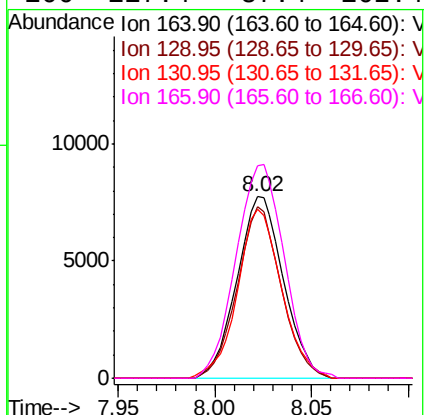
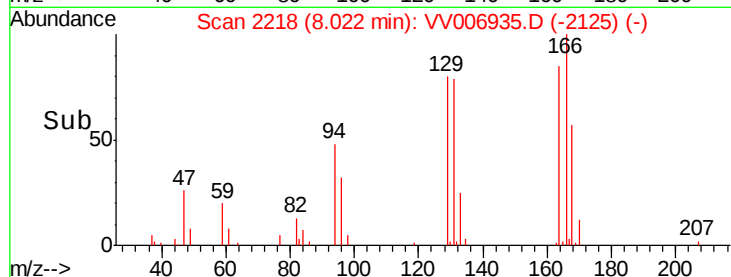
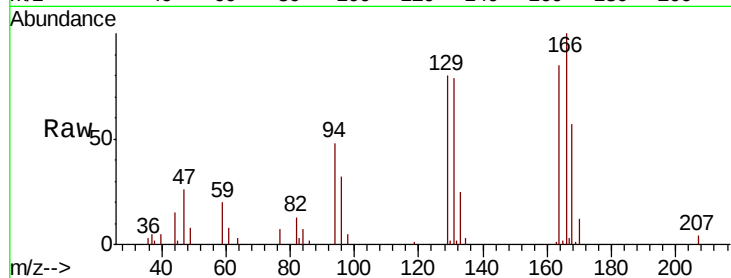
Delta R.T. 0.00 min

Lab File: VV006935.D

Acq: 08 Aug 2018 15:51

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164	Resp:	12935
Ion Ratio	Lower	Upper
164	100	
129	94.4	63.1 117.3
131	93.2	62.3 115.7
166	117.4	87.4 162.4



#48

2-Hexanone

Concen: 2.279 ug/L

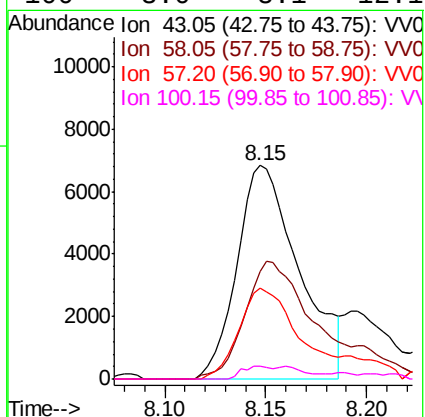
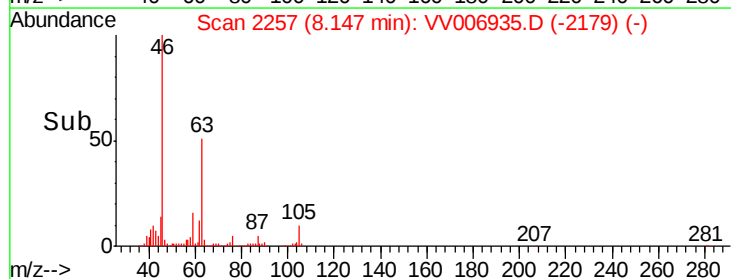
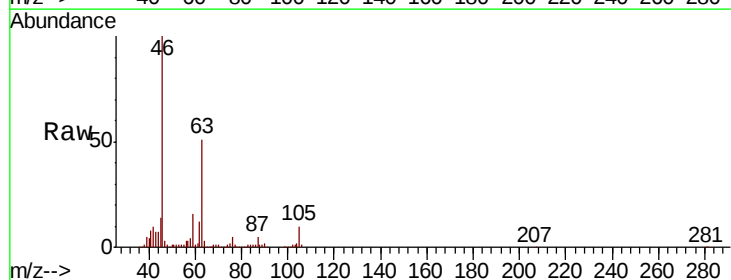
RT: 8.15 min Scan# 2257

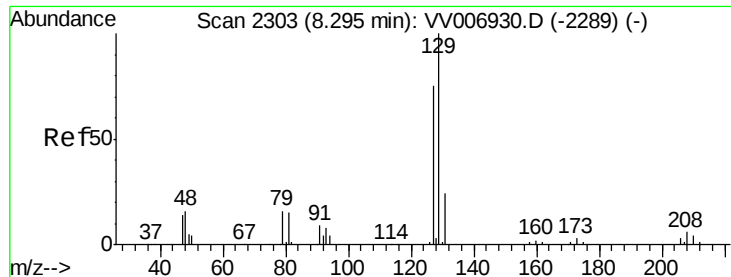
Delta R.T. -0.05 min

Lab File: VV006935.D

Acq: 08 Aug 2018 15:51

Tgt Ion: 43	Resp:	14765
Ion Ratio	Lower	Upper
43	100	
58	66.9	42.0 63.0#
57	47.1	14.1 21.1#
100	3.0	8.1 12.1#





#49

Dibromochloromethane

Concen: 1.004 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.27 min

Lab File: VV006935.D

Acq: 08 Aug 2018 15:51

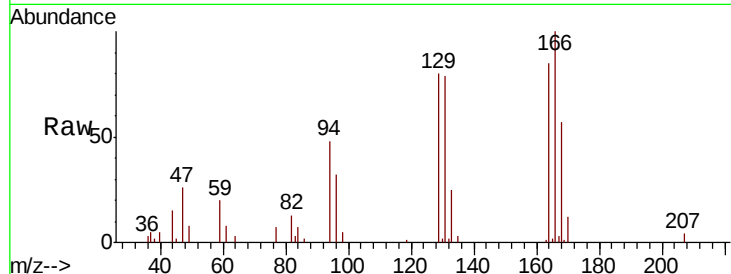
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:129 Resp: 11063

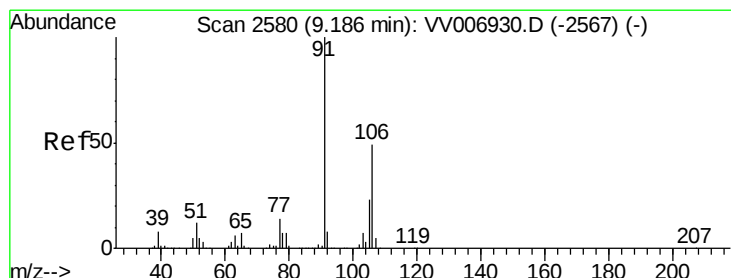
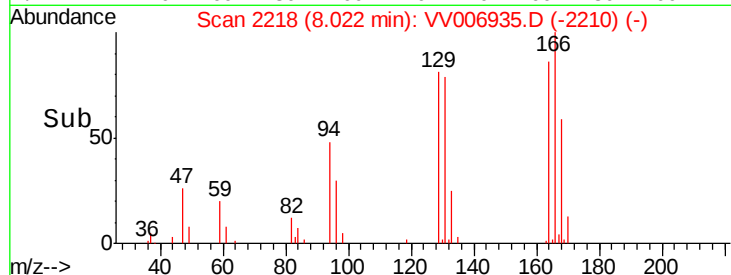
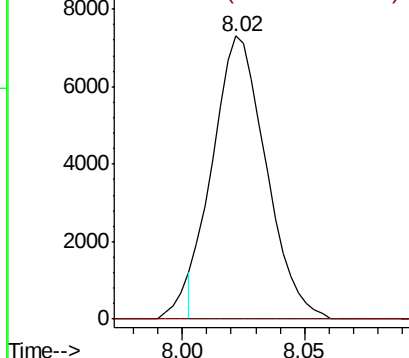
Ion Ratio Lower Upper

129 100

127 0.0 57.0 105.8#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



#53

m,p-xylene

Concen: 0.299 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006935.D

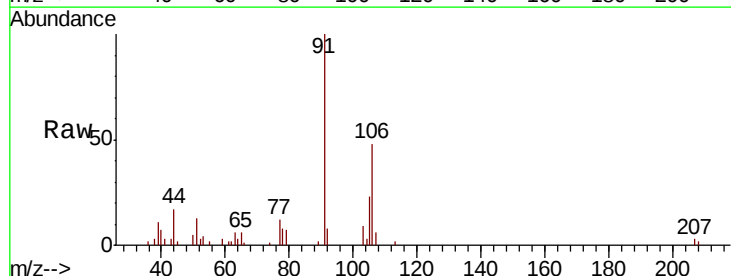
Acq: 08 Aug 2018 15:51

Tgt Ion:106 Resp: 5931

Ion Ratio Lower Upper

106 100

91 208.1 147.7 274.3



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

