

Data File : VV009047.D
Acq On : 19 Dec 2018 12:48
Operator : SY/MD
Sample : J6419-16
Misc : 6.32 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF044

Quant Time: Dec 20 02:01:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 20 01:58:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	248607	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	195693	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	52688	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56882	22.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.44%
7) Chloroethane-d5	1.58	69	60511	31.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	127.36%
10) 1,1-Dichloroethene-d2	2.13	63	113293	17.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.44%
20) 2-Butanone-d5	3.94	46	31930	34.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.18%
24) Chloroform-d	4.40	84	154840	25.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.64%
26) 1,2-Dichloroethane-d4	5.08	65	90643	27.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.16%
29) Benzene-d6	5.10	84	306555	28.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.20%
33) 1,2-Dichloropropane-d6	6.11	67	92284	30.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	120.64%#
37) Toluene-d8	7.36	98	258519	25.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.24%
38) trans-1,3-Dichloropropene-	7.66	79	36352	27.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.16%
39) 2-Hexanone-d5	8.13	63	21265	37.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.88%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	56067	21.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.36%
61) 1,2-Dichlorobenzene-d4	11.68	152	46694	23.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.44%

Target Compounds

						Qvalue
13) Acetone	2.20	43	2622	1.900	ug/L	77
16) Methylene chloride	2.53	84	4138	0.988	ug/L	86
22) cis-1,2-Dichloroethene	3.96	96	7358	2.038	ug/L	98
25) Chloroform	4.42	83	3342	0.555	ug/L #	33
35) Trichloroethene	5.96	95	16475	4.661	ug/L	99
36) Methylcyclohexane	6.12	83	23050	4.089	ug/L #	21
40) 1,2-Dichloropropane	6.11	63	10620	3.774	ug/L #	85
46) 1,1,2-Trichloroethane	8.02	97	25533	10.890	ug/L #	8
47) Tetrachloroethene	8.02	164	2954809	1027.911	ug/L	97
49) 2-Hexanone	8.19	43	5306	3.372	ug/L #	84
59) 1,2,3-Trichloropropane	11.30	75	5520	2.517	ug/L	89
63) 1,3-Dichlorobenzene	11.23	146	1078	0.318	ug/L	88
64) 1,4-Dichlorobenzene	11.32	146	1432	0.410	ug/L	90
68) 1,2,4-trichlorobenzene	13.32	180	593	0.345	ug/L #	85
69) Naphthalene	13.56	128	2245	0.759	ug/L #	90
70) 1,2,3-Trichlorobenzene	13.80	180	551	0.347	ug/L #	79

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Thu Dec 20 01:58:47 2018
Response via : Initial Calibration

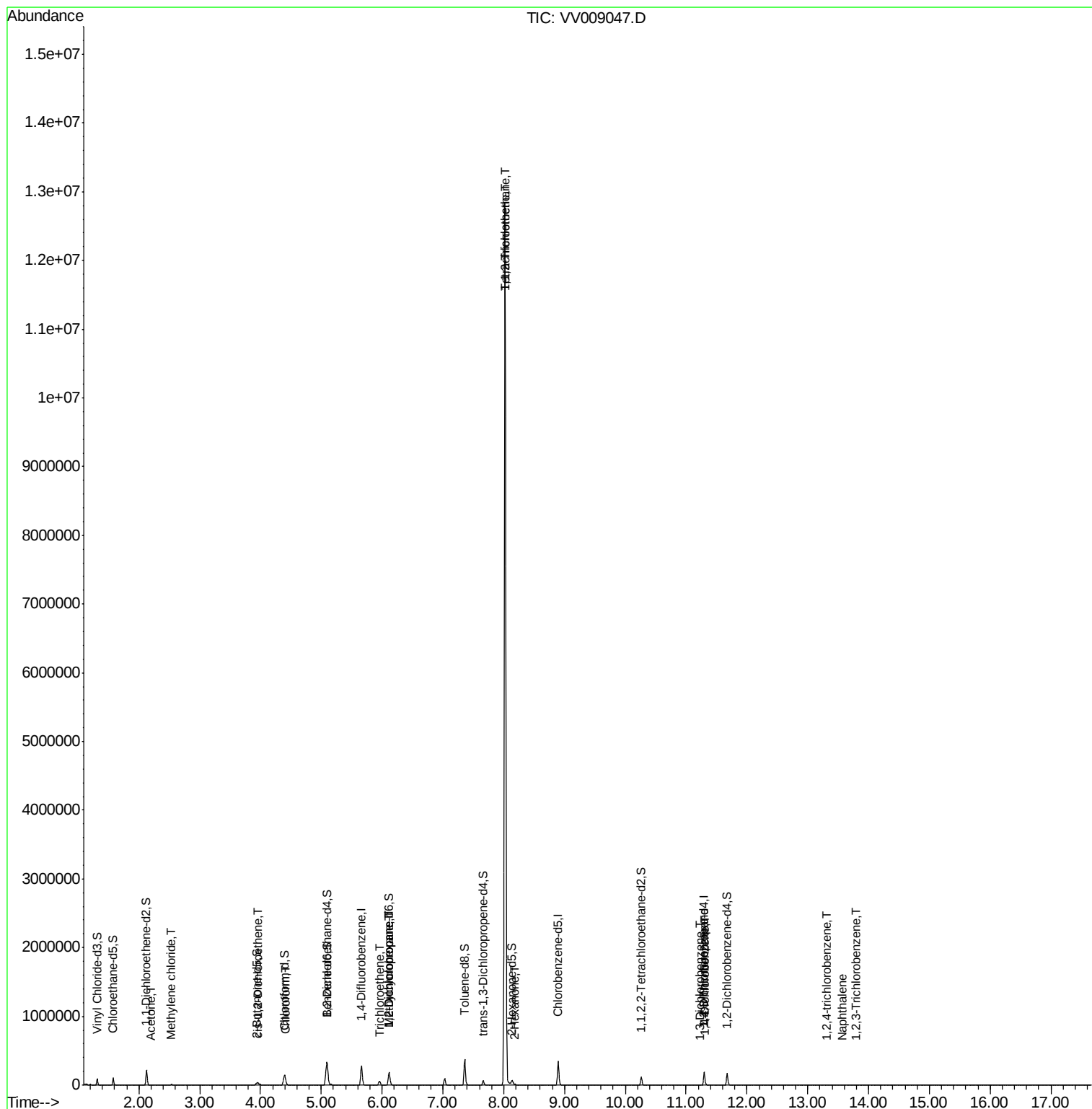
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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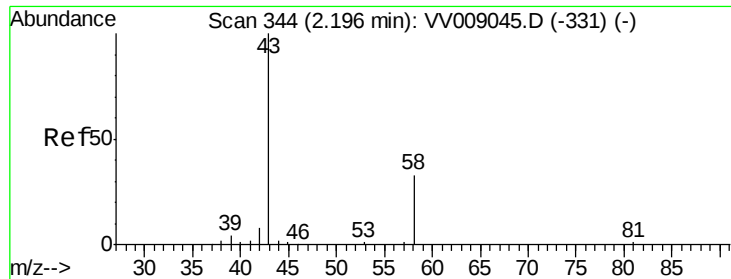
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 20 01:58:47 2018
Response via : Initial Calibration





#13

Acetone

Concen: 1.900 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV009047.D

Acq: 19 Dec 2018 12:48

Instrument :

MSVOA_V

ClientSampled :

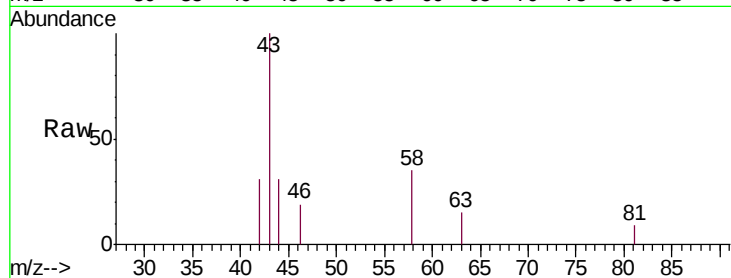
BF044

Tgt Ion: 43 Resp: 2622

Ion Ratio Lower Upper

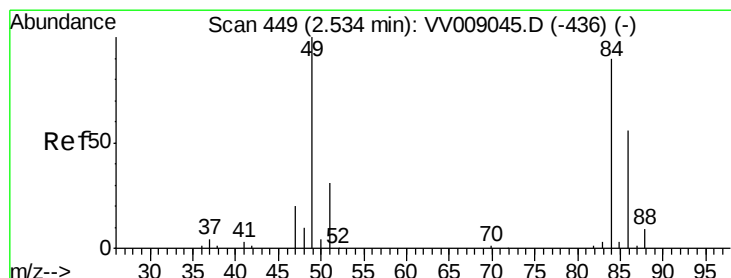
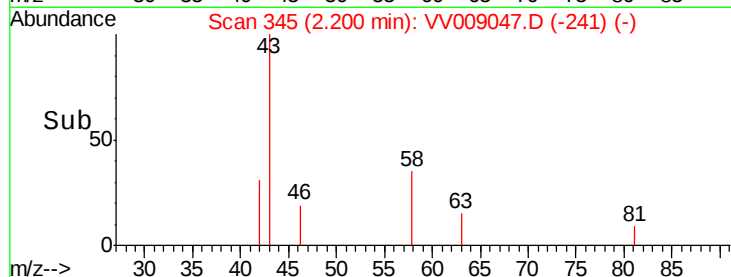
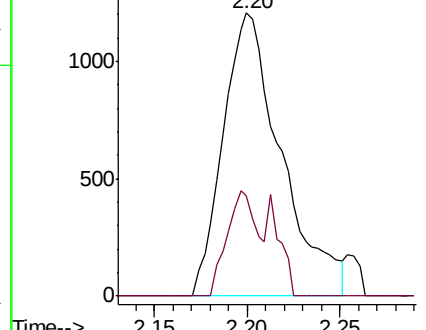
43 100

58 19.5 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009045.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009045.D (-331) (-)



#16

Methylene chloride

Concen: 0.988 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009047.D

Acq: 19 Dec 2018 12:48

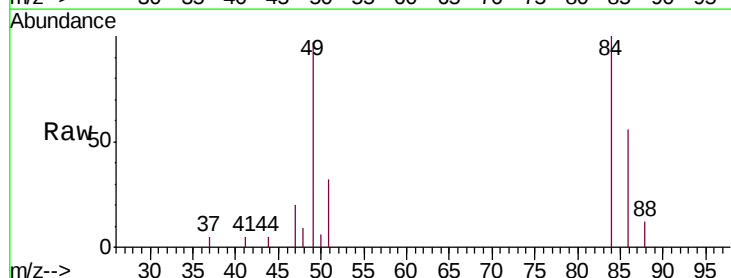
Tgt Ion: 84 Resp: 4138

Ion Ratio Lower Upper

84 100

49 97.4 80.5 149.5

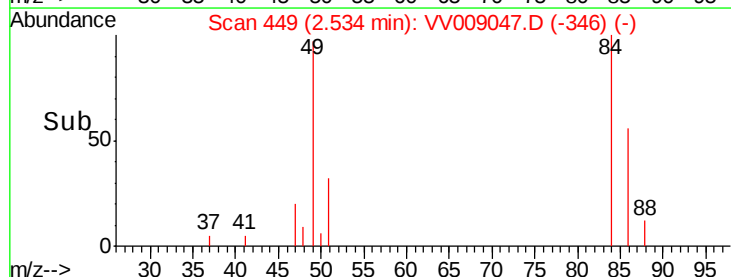
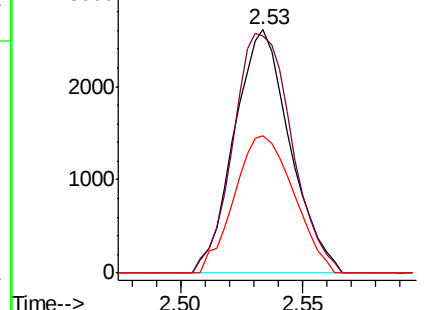
86 56.4 45.5 84.5

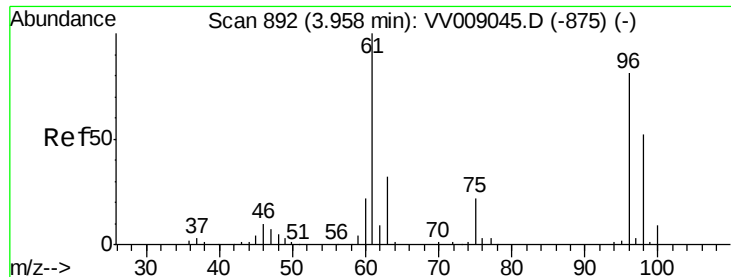


Abundance Ion 84.00 (83.70 to 84.70): VV009045.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009045.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009045.D (-436) (-)



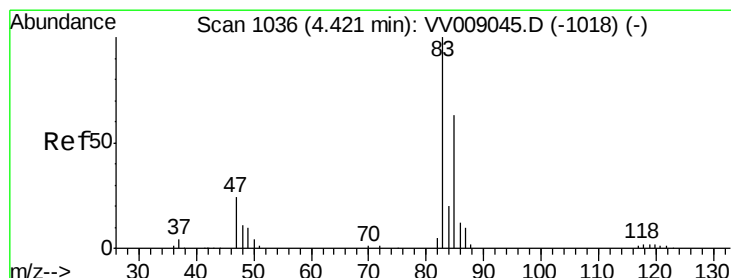
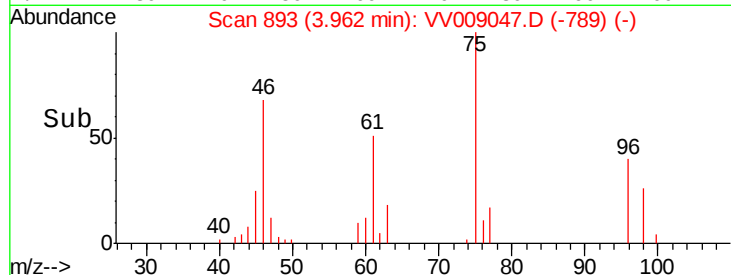
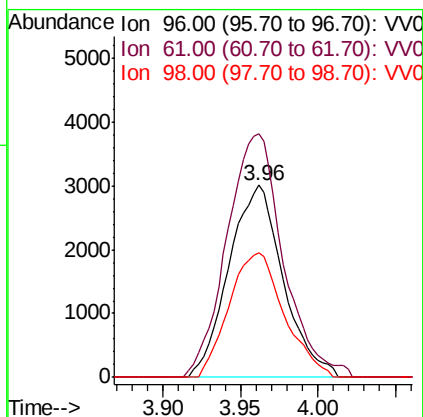
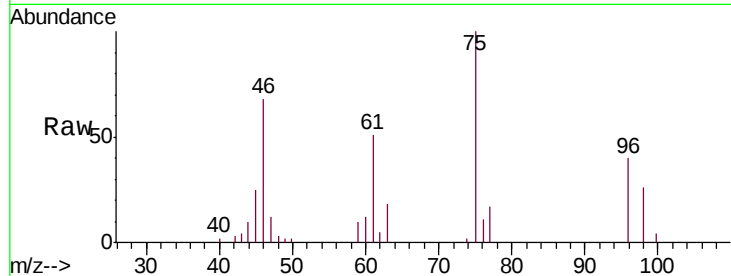


#22

cis-1,2-Dichloroethene
 Concen: 2.038 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV009047.D
 Acq: 19 Dec 2018 12:48

Instrument :
 MSVOA_V
 ClientSampled :
 BF044

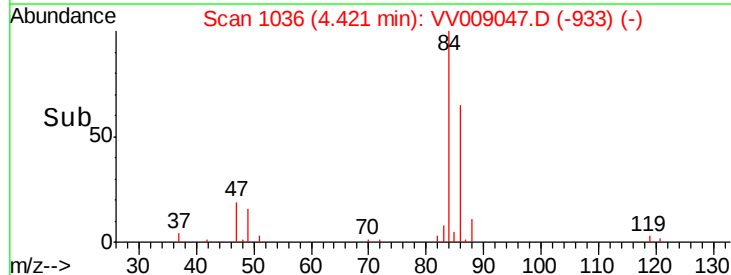
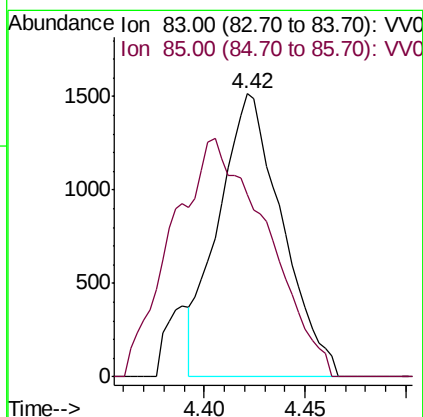
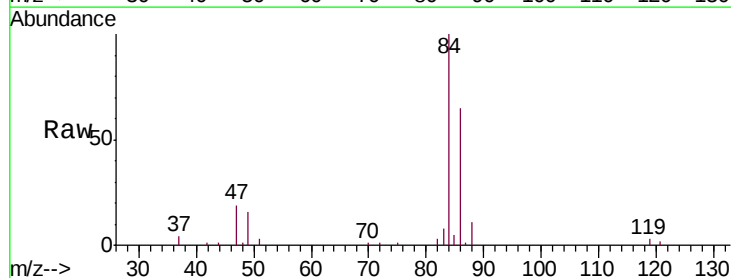
Tgt Ion: 96 Resp: 7358
 Ion Ratio Lower Upper
 96 100
 61 126.9 86.2 160.0
 98 65.0 45.6 84.6

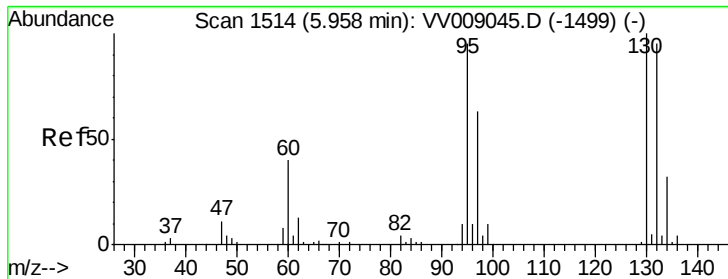


#25

Chloroform
 Concen: 0.555 ug/L
 RT: 4.42 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VV009047.D
 Acq: 19 Dec 2018 12:48

Tgt Ion: 83 Resp: 3342
 Ion Ratio Lower Upper
 83 100
 85 12.0 45.6 84.8#





#35

Trichloroethene

Concen: 4.661 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV009047.D

Acq: 19 Dec 2018 12:48

Instrument :

MSVOA_V

ClientSampleId :

BF044

Tgt Ion: 95 Resp: 16475

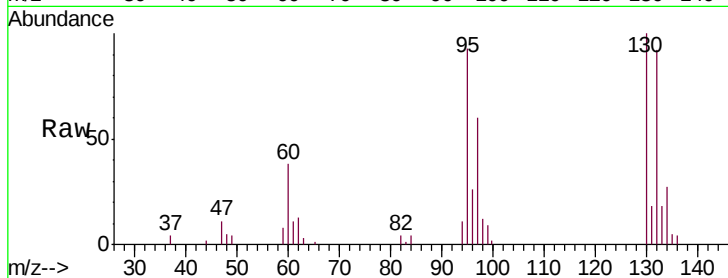
Ion Ratio Lower Upper

95 100

97 64.9 45.3 84.1

132 98.7 70.0 130.0

130 105.3 73.4 136.4

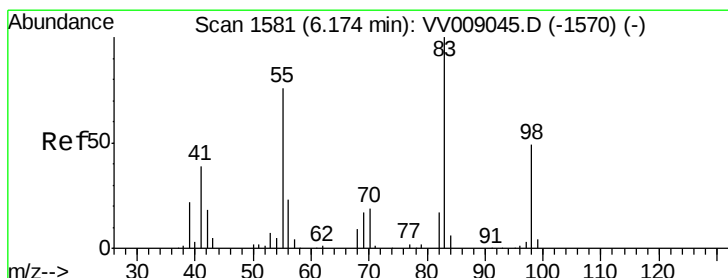
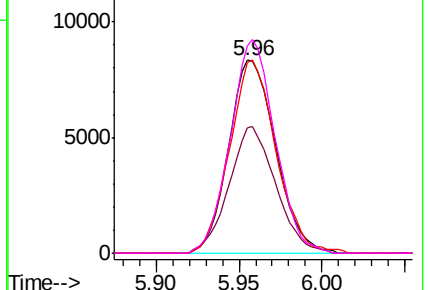
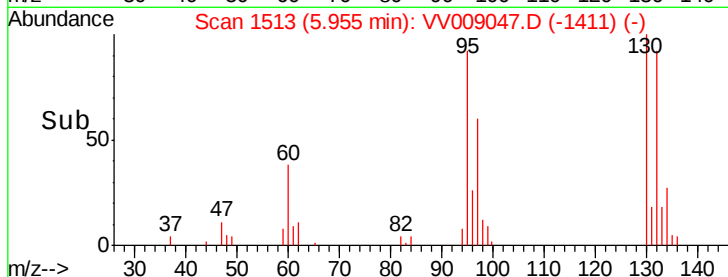


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.089 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV009047.D

Acq: 19 Dec 2018 12:48

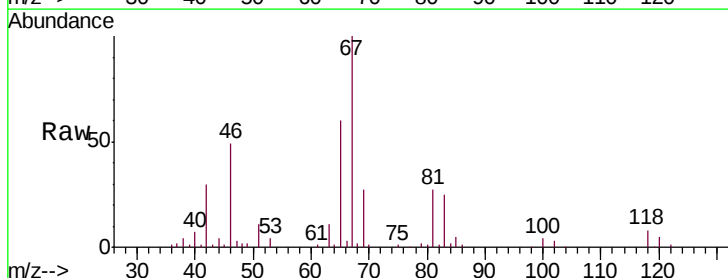
Tgt Ion: 83 Resp: 23050

Ion Ratio Lower Upper

83 100

55 0.5 58.2 87.2#

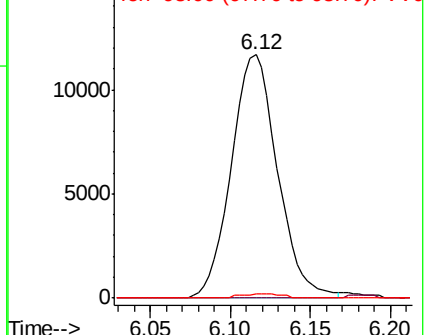
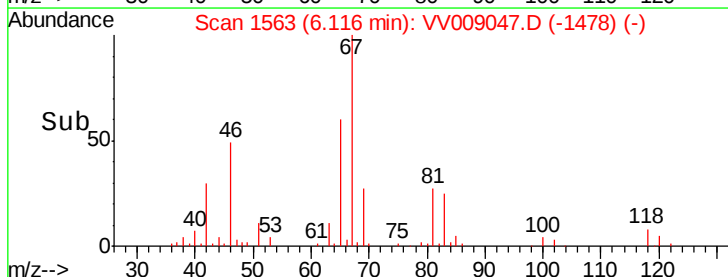
98 1.5 37.8 56.8#

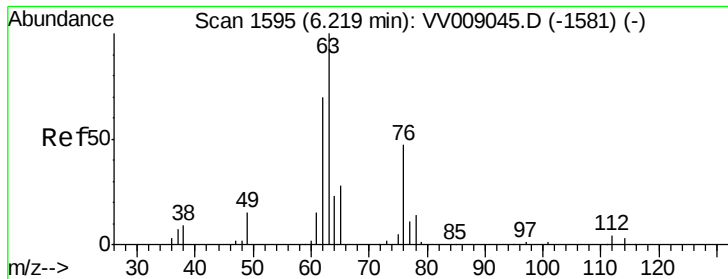


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

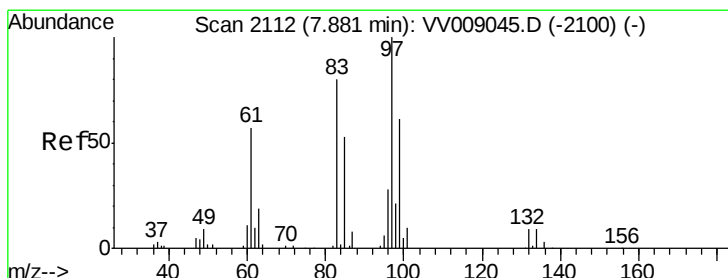
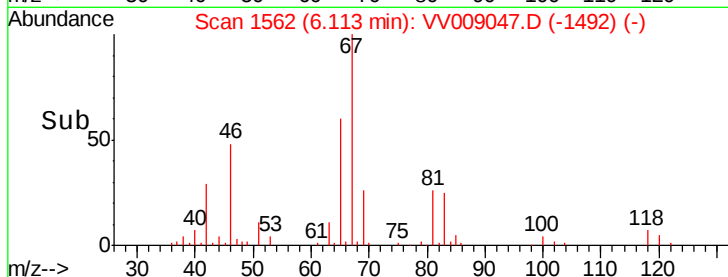
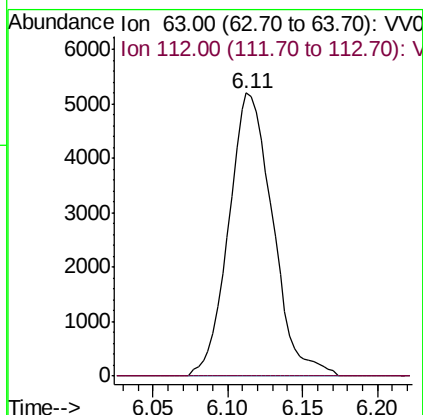
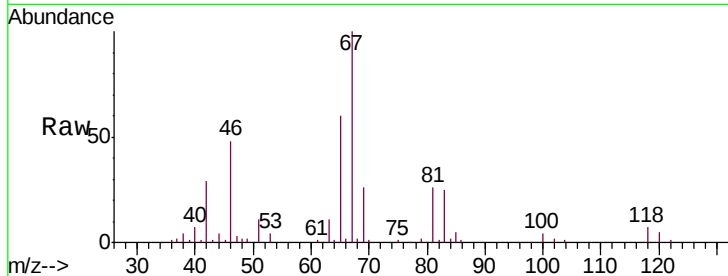




#40
 1,2-Dichloropropane
 Concen: 3.774 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.11 min
 Lab File: VV009047.D
 Acq: 19 Dec 2018 12:48

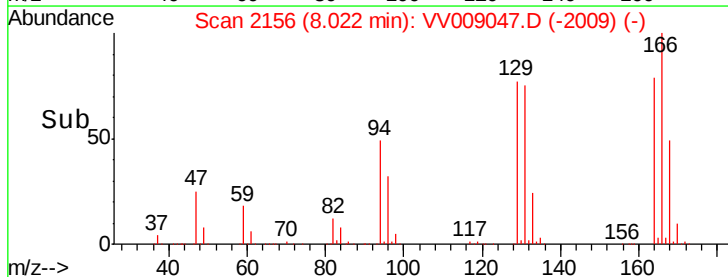
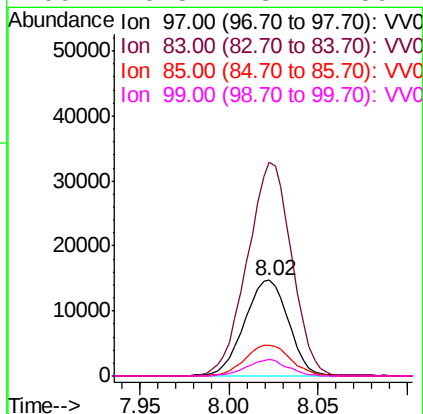
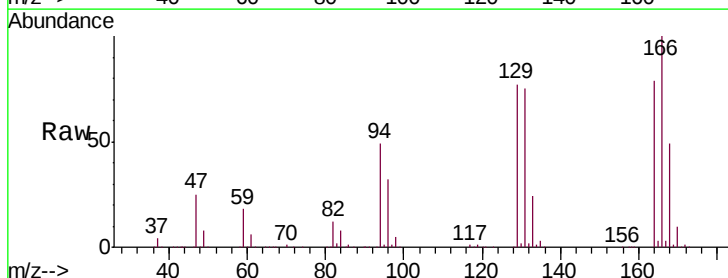
Instrument :
 MSVOA_V
 ClientSampleId :
 BF044

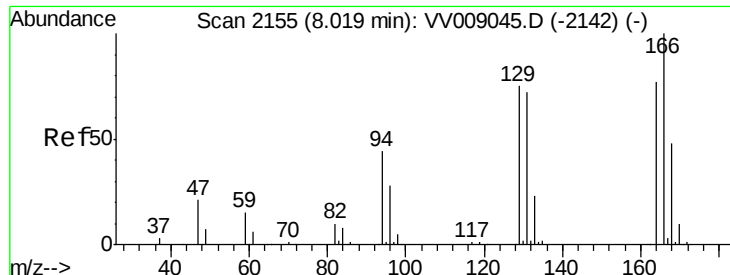
Tgt Ion: 63 Resp: 10620
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#46
 1,1,2-Trichloroethane
 Concen: 10.890 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.14 min
 Lab File: VV009047.D
 Acq: 19 Dec 2018 12:48

Tgt Ion: 97 Resp: 25533
 Ion Ratio Lower Upper
 97 100
 83 222.6 56.6 105.2#
 85 32.7 36.6 68.0#
 99 16.8 43.2 80.2#





#47

Tetrachloroethene

Concen: 1027.911 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV009047.D

Acq: 19 Dec 2018 12:48

Instrument :

MSVOA_V

ClientSampleId :

BF044

Tgt Ion:164 Resp: 2954809

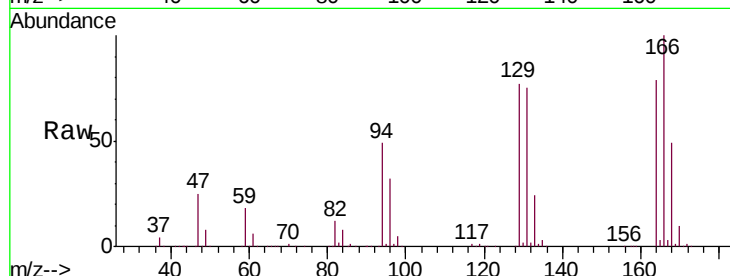
Ion Ratio Lower Upper

164 100

129 97.7 64.6 120.0

131 94.6 64.5 119.7

166 126.3 88.7 164.7

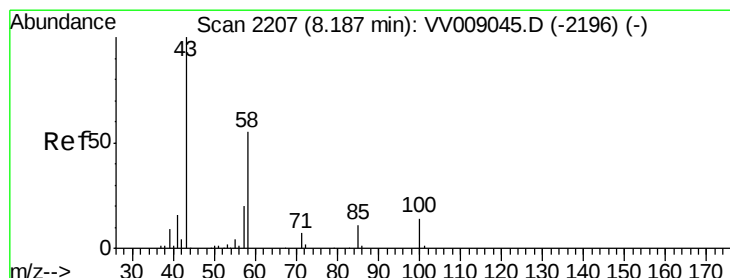
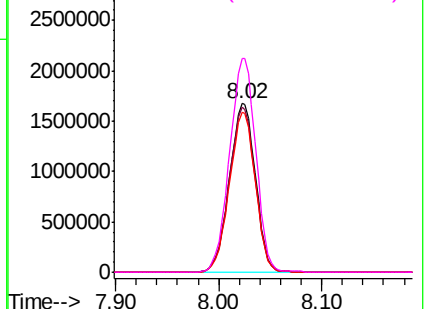
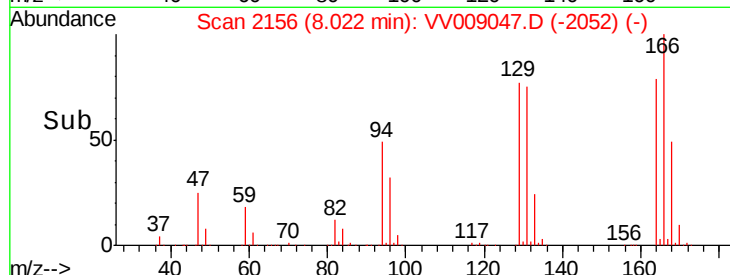


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 3.372 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. -0.00 min

Lab File: VV009047.D

Acq: 19 Dec 2018 12:48

Tgt Ion: 43 Resp: 5306

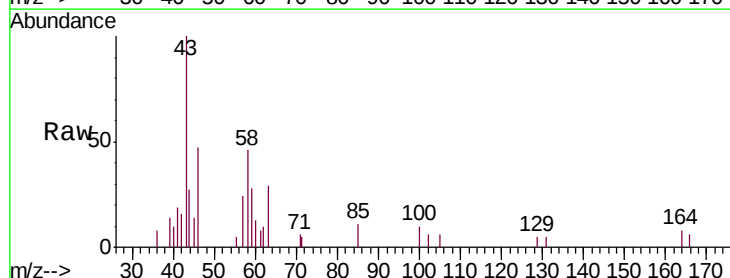
Ion Ratio Lower Upper

43 100

58 41.3 43.9 65.9#

57 16.3 15.7 23.5

100 6.6 11.0 16.4#

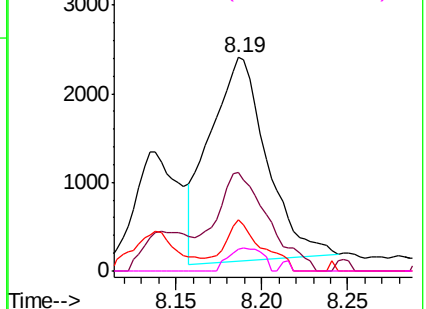
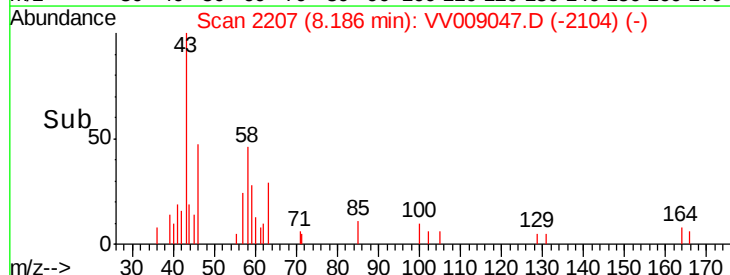


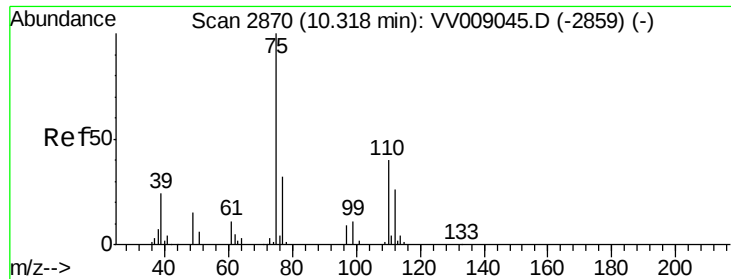
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#59

1,2,3-Trichloropropane

Concen: 2.517 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009047.D

Acq: 19 Dec 2018 12:48

Instrument :

MSVOA_V

ClientSampled :

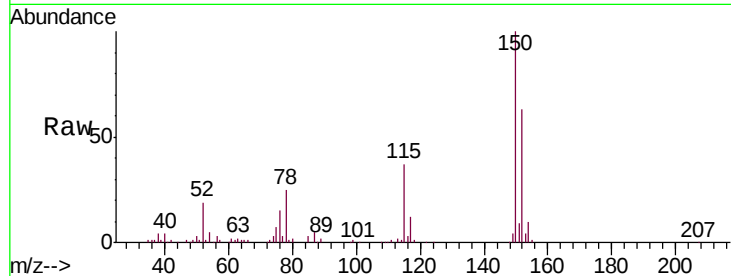
BF044

Tgt Ion: 75 Resp: 5520

Ion Ratio Lower Upper

75 100

77 38.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

11.30

3000

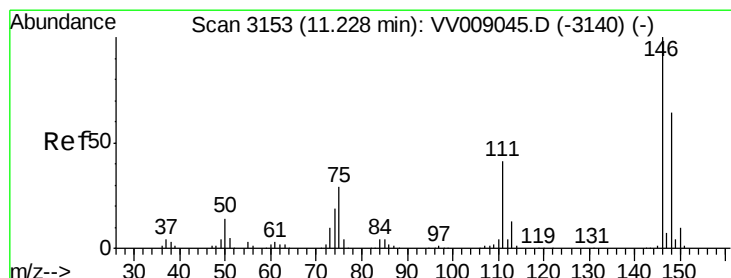
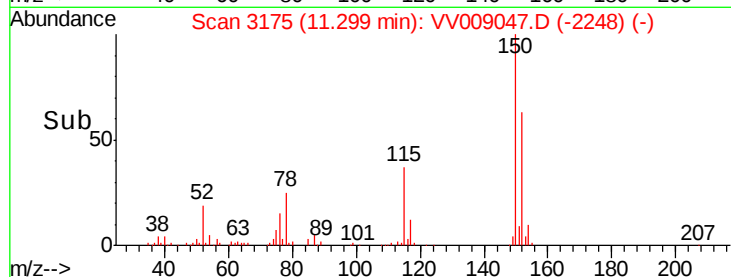
2000

1000

0

Time-->

11.25 11.30 11.35



#63

1,3-Dichlorobenzene

Concen: 0.318 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009047.D

Acq: 19 Dec 2018 12:48

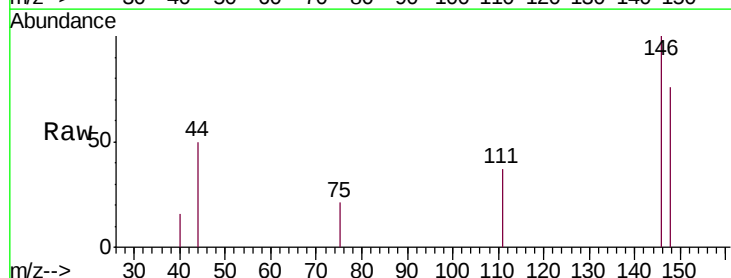
Tgt Ion: 146 Resp: 1078

Ion Ratio Lower Upper

146 100

111 37.2 27.5 51.1

148 76.1 44.0 81.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

800

600

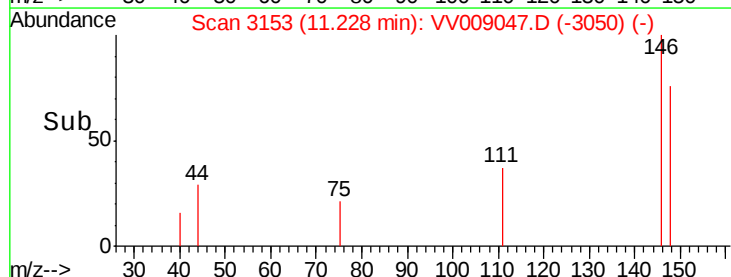
400

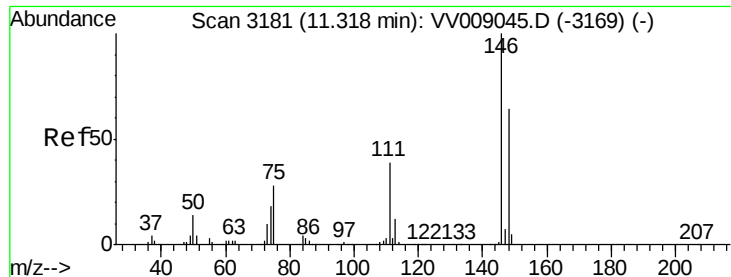
200

0

Time-->

11.20 11.25

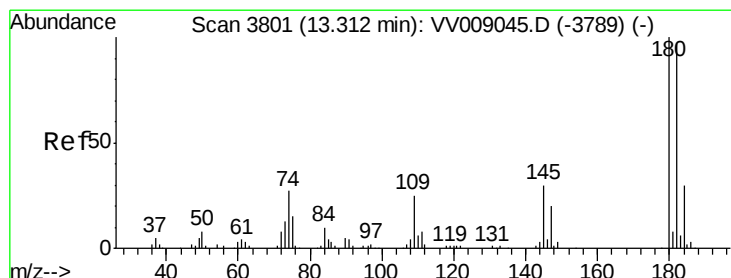
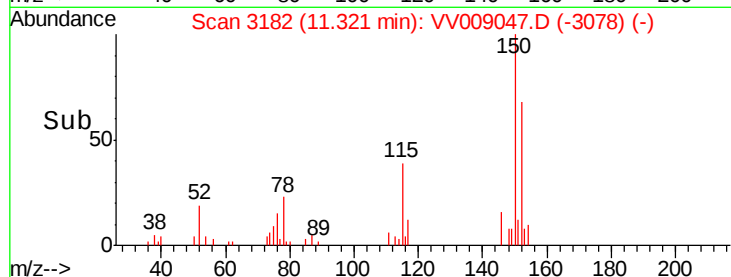
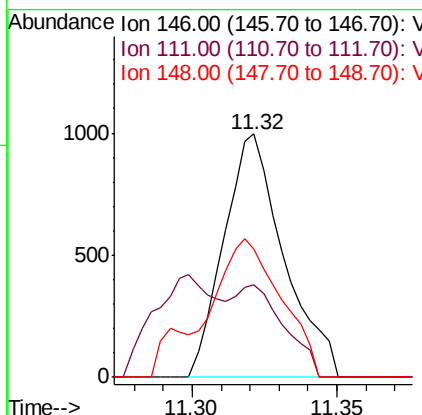
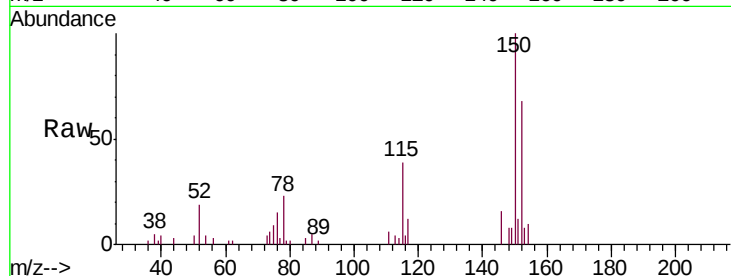




#64
 1,4-Dichlorobenzene
 Concen: 0.410 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009047.D
 Acq: 19 Dec 2018 12:48

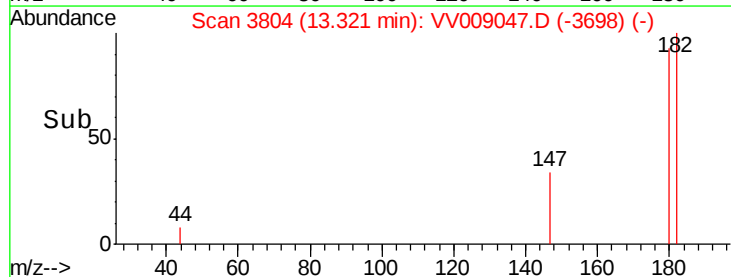
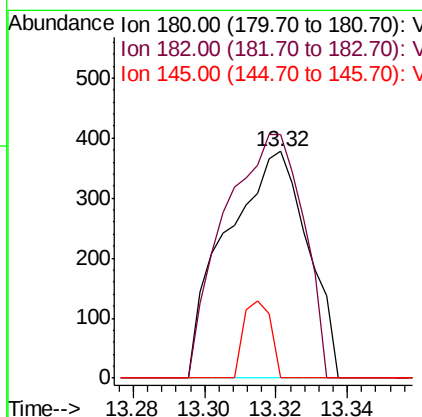
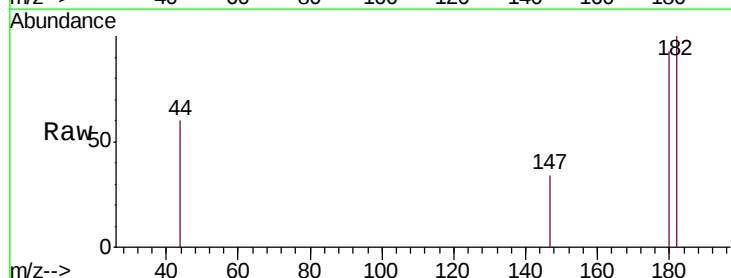
Instrument :
 MSVOA_V
 ClientSampled :
 BF044

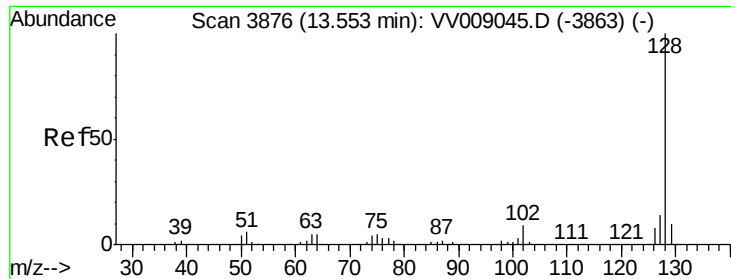
Tgt Ion:146 Resp: 1432
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.8 49.8
 148 52.9 45.8 85.0



#68
 1,2,4-trichlorobenzene
 Concen: 0.345 ug/L
 RT: 13.32 min Scan# 3804
 Delta R.T. 0.01 min
 Lab File: VV009047.D
 Acq: 19 Dec 2018 12:48

Tgt Ion:180 Resp: 593
 Ion Ratio Lower Upper
 180 100
 182 104.4 77.4 116.0
 145 11.3 25.6 38.4#





#69

Naphthalene

Concen: 0.759 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV009047.D

Acq: 19 Dec 2018 12:48

Instrument :

MSVOA_V

ClientSampleId :

BF044

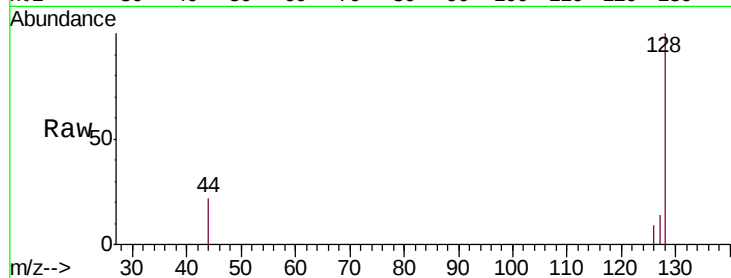
Tgt Ion:128 Resp: 2245

Ion Ratio Lower Upper

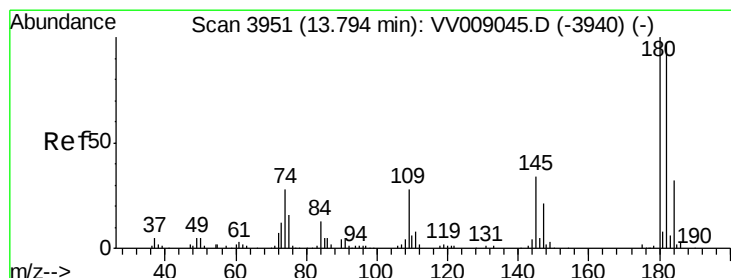
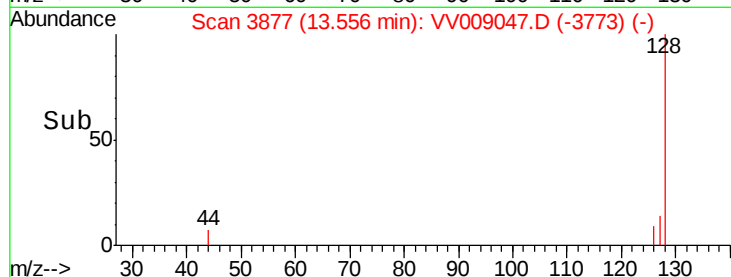
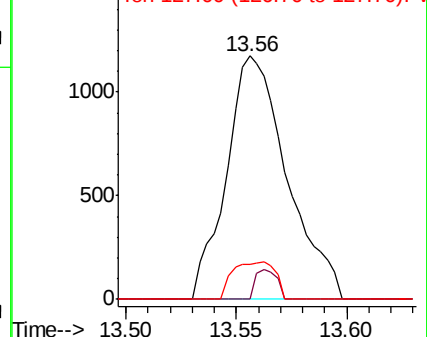
128 100

129 4.3 8.6 13.0#

127 10.8 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.347 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV009047.D

Acq: 19 Dec 2018 12:48

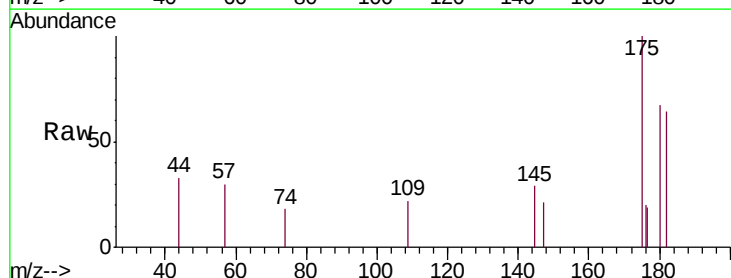
Tgt Ion:180 Resp: 551

Ion Ratio Lower Upper

180 100

182 72.8 76.1 114.1#

145 24.0 26.7 40.1#



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

