

Data File : VW006923.D
Acq On : 16 Nov 2018 18:13
Operator : SY/AP
Sample : J5979-04MSD
Misc : 5.06G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETO65MSD

Quant Time: Nov 16 23:55:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 23:51:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	41958	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	35049	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	11287	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	8618	23.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.52%
7) Chloroethane-d5	2.89	69	6838	25.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.04%
10) 1,1-Dichloroethene-d2	4.03	63	23823	23.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.76%
20) 2-Butanone-d5	7.09	46	6229	30.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.68%
24) Chloroform-d	7.65	84	19343	20.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.28%
26) 1,2-Dichloroethane-d4	8.31	65	13121	25.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.12%
29) Benzene-d6	8.28	84	47558	25.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.84%
33) 1,2-Dichloropropane-d6	9.27	67	14184	25.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.16%
37) Toluene-d8	10.33	98	45744	24.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.52%
38) trans-1,3-Dichloropropene-	10.58	79	5165	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.76%
39) 2-Hexanone-d5	10.93	63	5348	38.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	10306	21.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	9694	22.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.72%

Target Compounds

					Qvalue	
8) Chloroethane	2.93	64	69	0.276	ug/L #	45
12) 1,1-Dichloroethene	4.04	96	12219	25.491	ug/L	94
13) Acetone	4.12	43	1556	11.765	ug/L	84
16) Methylene chloride	4.93	84	1214	1.655	ug/L	90
21) 2-Butanone	7.17	43	436	1.911	ug/L	78
25) Chloroform	7.68	83	3180	3.079	ug/L	90
27) 1,2-Dichloroethane	8.32	62	442	0.728	ug/L #	76
34) Benzene	8.33	78	54781	27.948	ug/L	100
35) Trichloroethene	9.09	95	13370	25.043	ug/L	95
36) Methylcyclohexane	9.27	83	3442	3.354	ug/L #	19
40) 1,2-Dichloropropane	9.27	63	1611	3.336	ug/L #	88
42) cis-1,3-Dichloropropene	10.04	75	333	0.457	ug/L	96
44) Toluene	10.39	91	60526	26.969	ug/L	97
49) 2-Hexanone	10.96	43	322	1.149	ug/L #	49
52) Chlorobenzene	11.66	112	35283	24.995	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111618\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Nov 16 23:51:03 2018
Response via : Initial Calibration

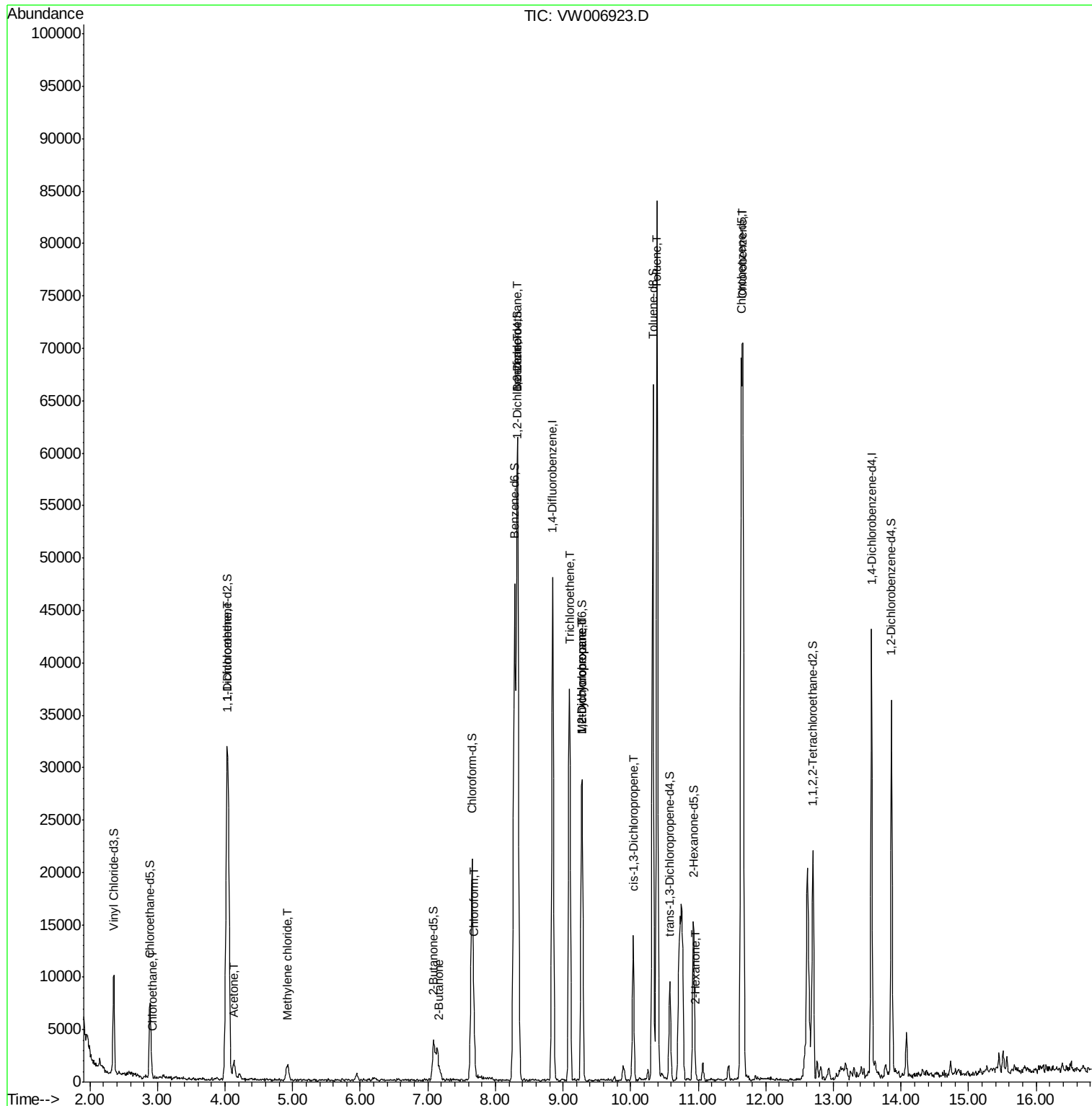
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

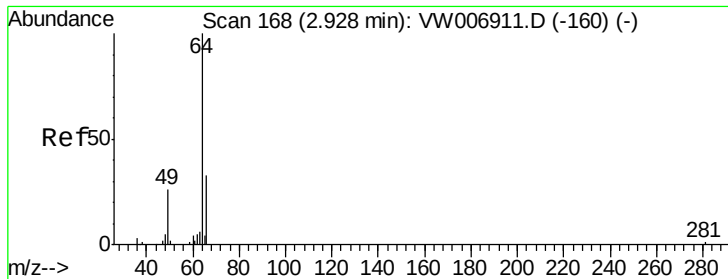
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Title : VOC Analysis
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#8

Chloroethane

Concen: 0.276 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006923.D

Acq: 16 Nov 2018 18:13

Instrument :

MSVOA_W

ClientSampled :

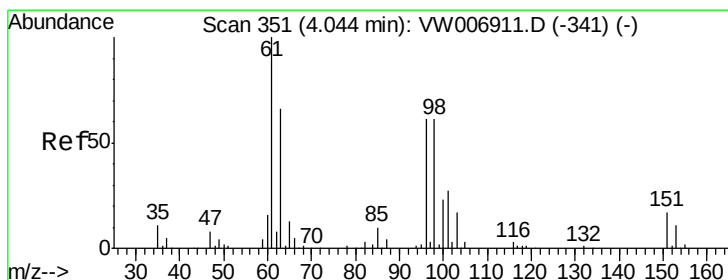
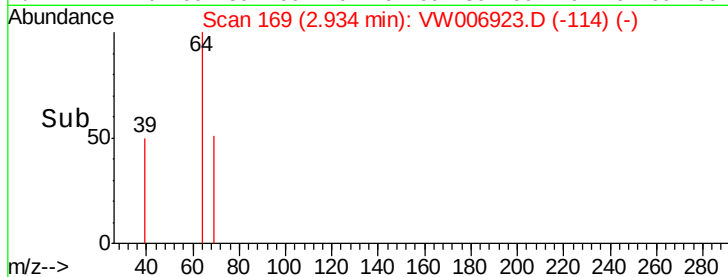
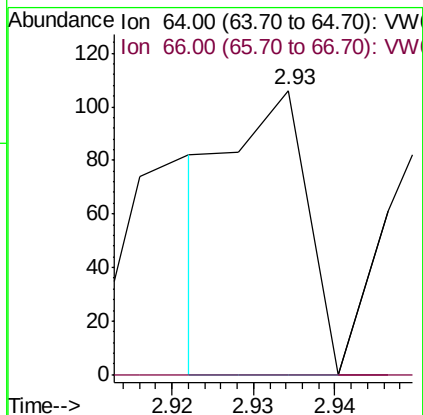
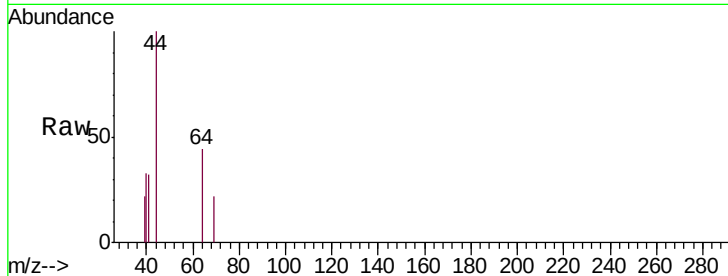
ETO65MSD

Tgt Ion: 64 Resp: 69

Ion Ratio Lower Upper

64 100

66 0.0 20.8 38.6#



#12

1,1-Dichloroethene

Concen: 25.491 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW006923.D

Acq: 16 Nov 2018 18:13

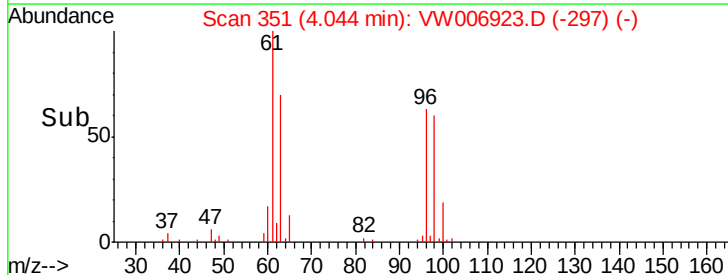
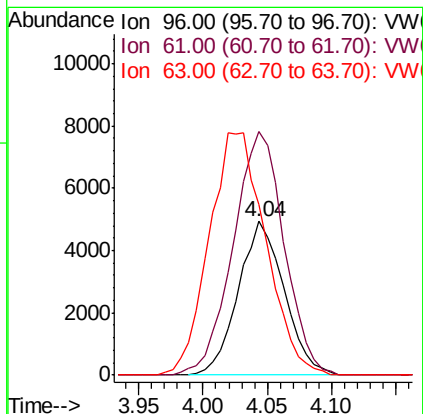
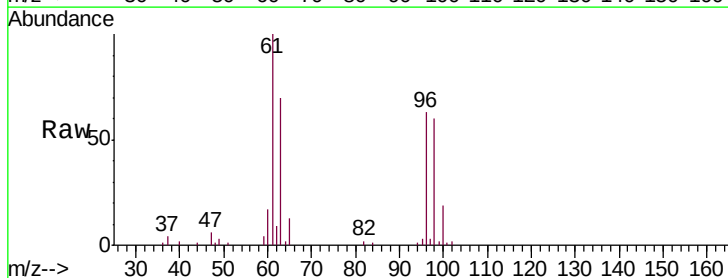
Tgt Ion: 96 Resp: 12219

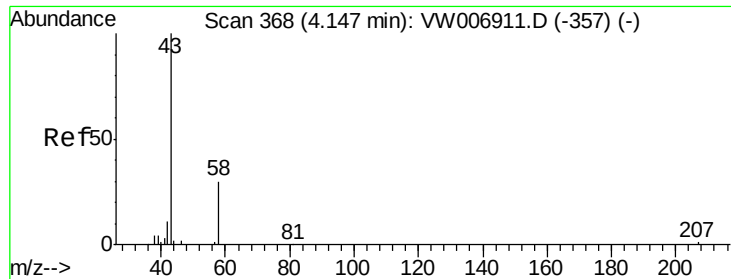
Ion Ratio Lower Upper

96 100

61 158.3 116.3 215.9

63 110.6 73.4 136.4





#13

Acetone

Concen: 11.765 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW006923.D

Acq: 16 Nov 2018 18:13

Instrument :

MSVOA_W

ClientSampled :

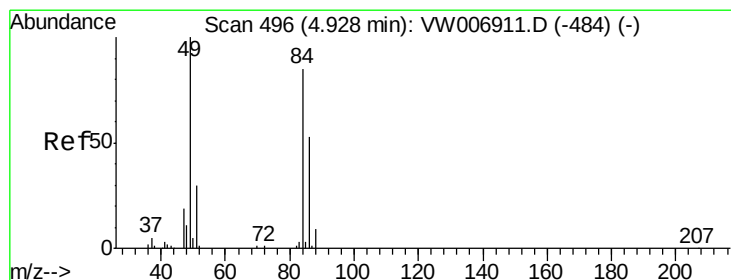
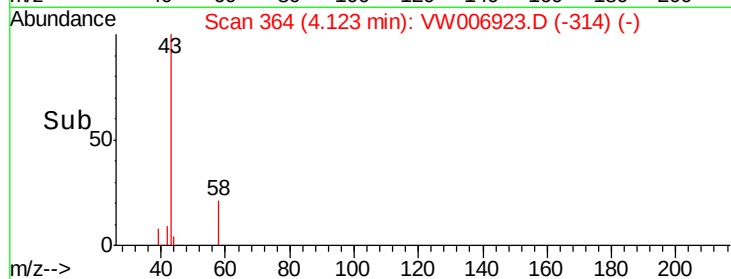
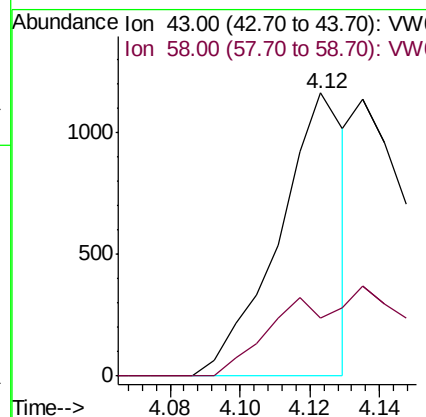
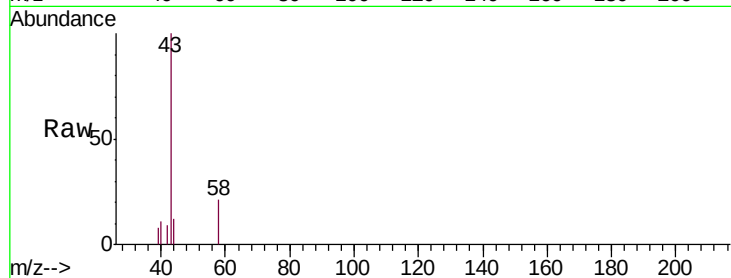
ETO65MSD

Tgt Ion: 43 Resp: 1556

Ion Ratio Lower Upper

43 100

58 23.8 0.0 65.6



#16

Methylene chloride

Concen: 1.655 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW006923.D

Acq: 16 Nov 2018 18:13

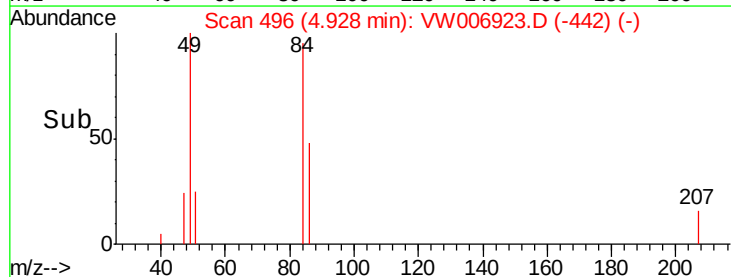
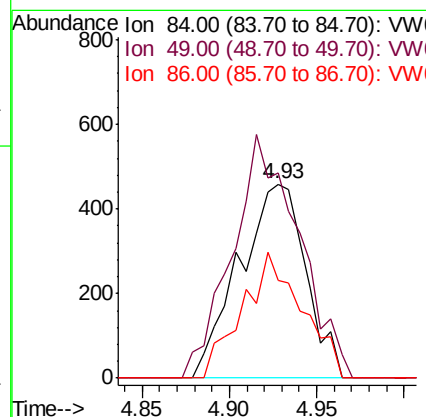
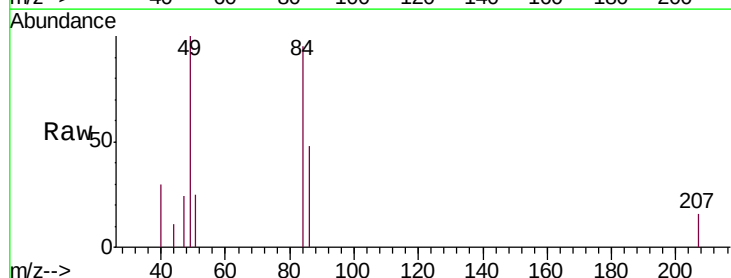
Tgt Ion: 84 Resp: 1214

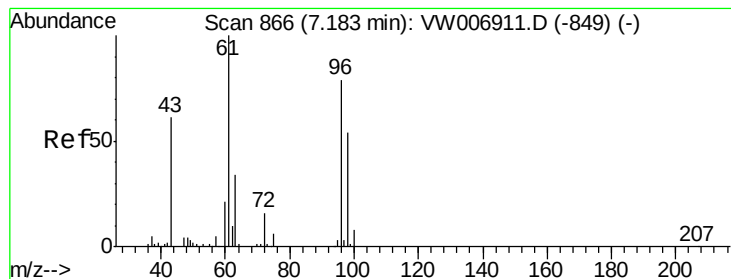
Ion Ratio Lower Upper

84 100

49 105.7 79.3 147.3

86 50.3 43.5 80.9





#21

2-Butanone

Concen: 1.911 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW006923.D

Acq: 16 Nov 2018 18:13

Instrument :

MSVOA_W

ClientSampled :

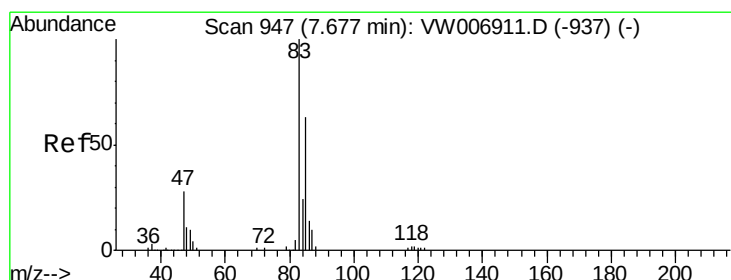
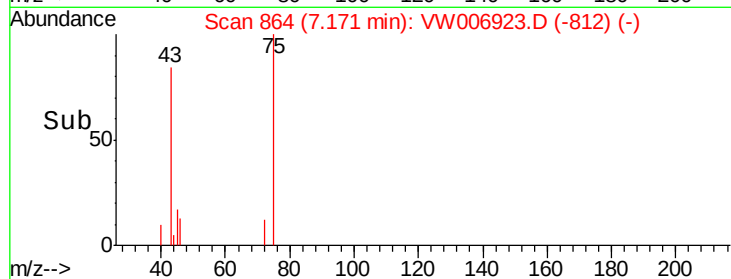
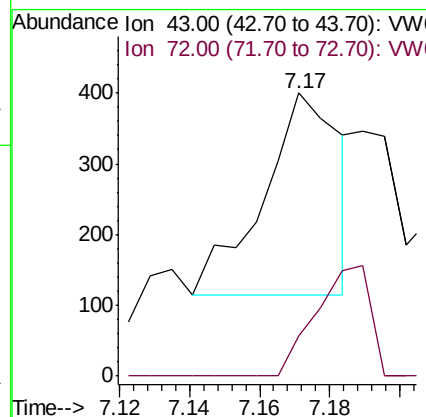
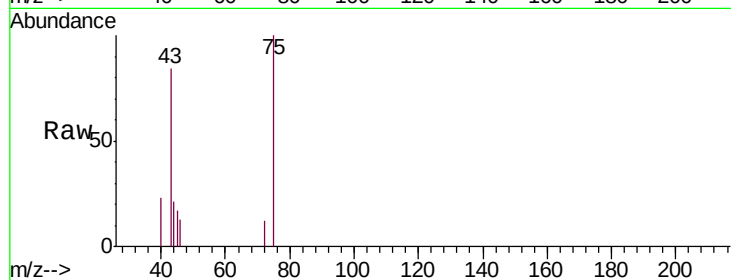
ETO65MSD

Tgt Ion: 43 Resp: 436

Ion Ratio Lower Upper

43 100

72 38.5 13.5 40.5



#25

Chloroform

Concen: 3.079 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW006923.D

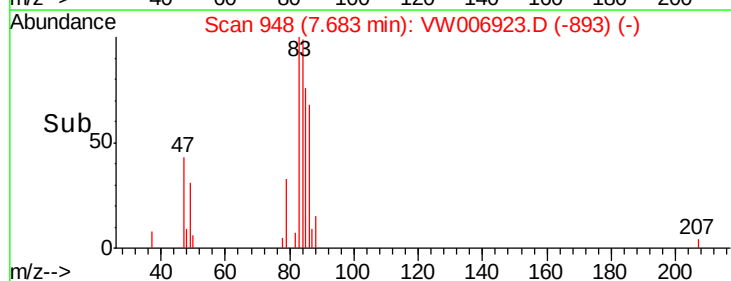
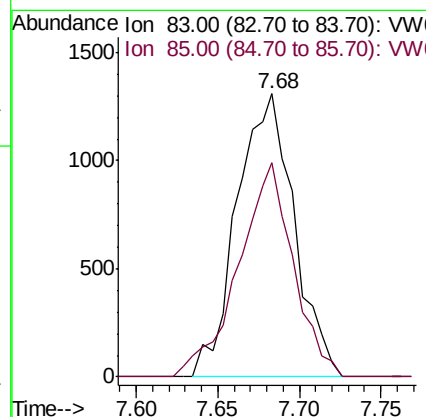
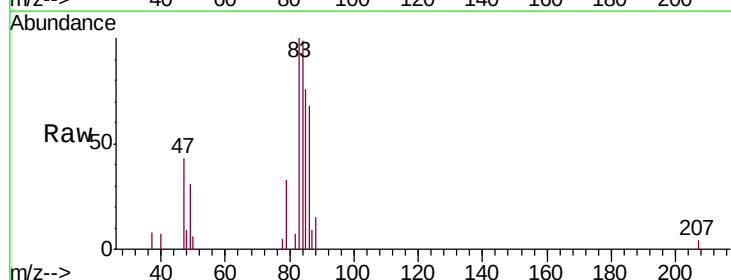
Acq: 16 Nov 2018 18:13

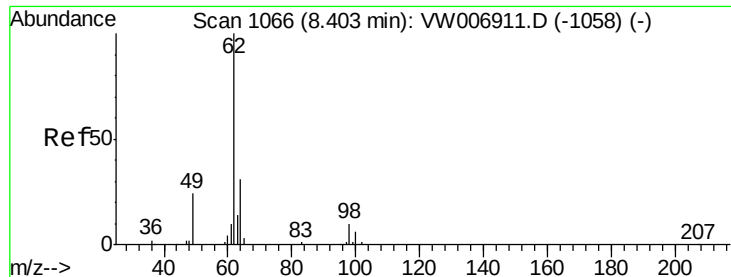
Tgt Ion: 83 Resp: 3180

Ion Ratio Lower Upper

83 100

85 72.6 45.4 84.2

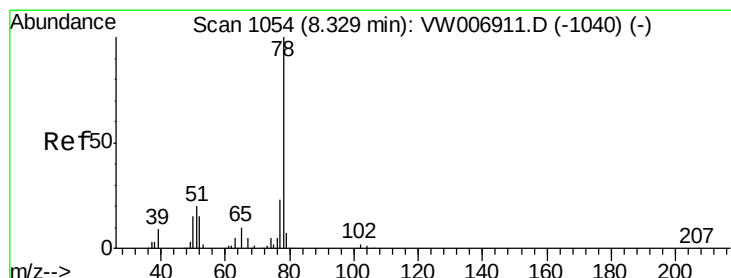
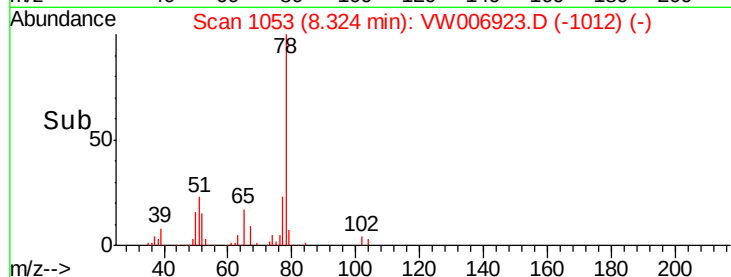
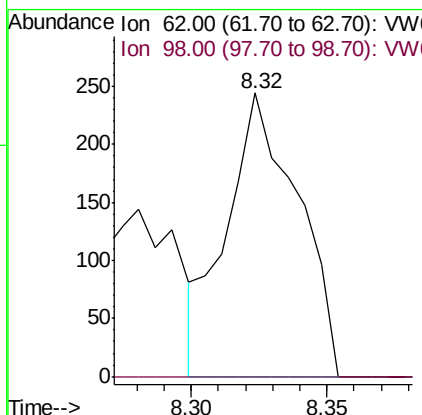
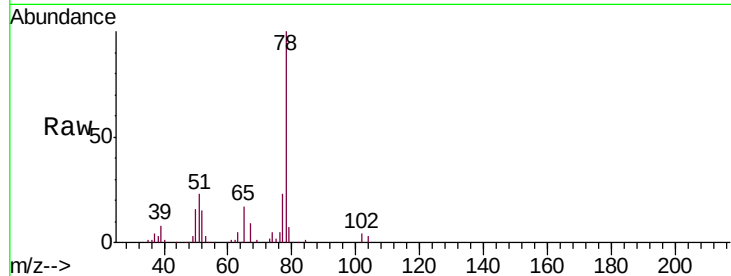




#27
 1,2-Dichloroethane
 Concen: 0.728 ug/L
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.08 min
 Lab File: VW006923.D
 Acq: 16 Nov 2018 18:13

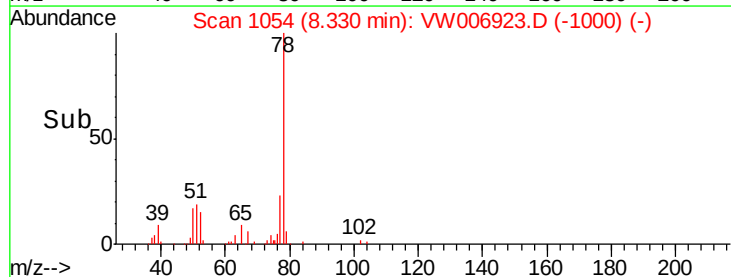
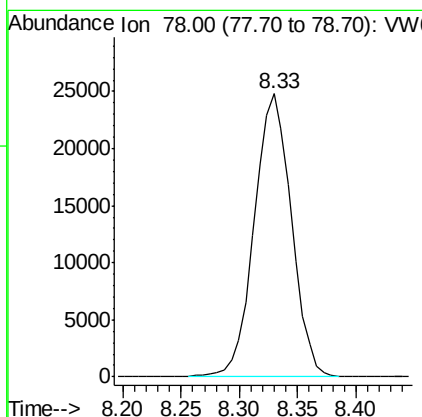
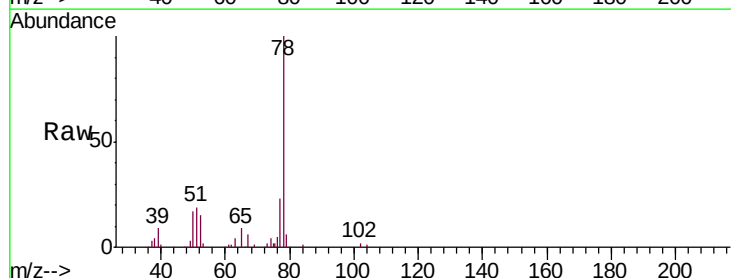
Instrument :
 MSVOA_W
 ClientSampled :
 ETO65MSD

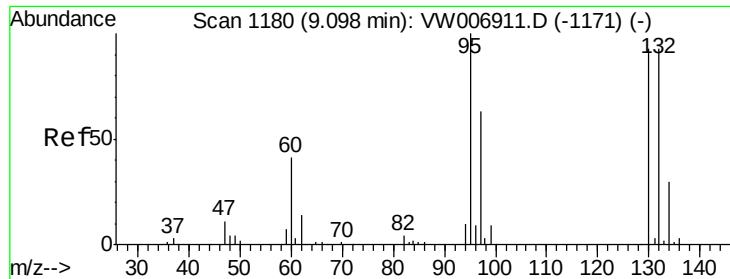
Tgt Ion: 62 Resp: 442
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.0 10.4#



#34
 Benzene
 Concen: 27.948 ug/L
 RT: 8.33 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VW006923.D
 Acq: 16 Nov 2018 18:13

Tgt Ion: 78 Resp: 54781





#35

Trichloroethene

Concen: 25.043 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006923.D

Acq: 16 Nov 2018 18:13

Instrument :

MSVOA_W

ClientSampled :

ETO65MSD

Tgt Ion: 95 Resp: 13370

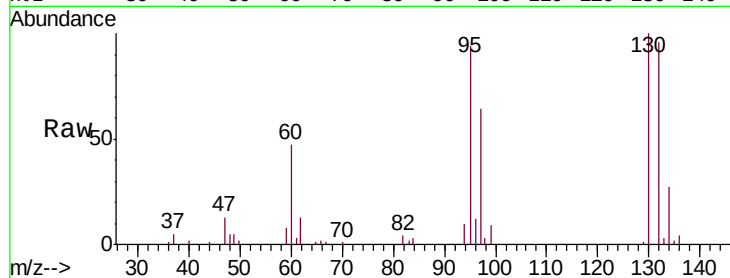
Ion Ratio Lower Upper

95 100

97 66.7 45.1 83.9

132 98.7 65.7 121.9

130 103.5 68.7 127.7

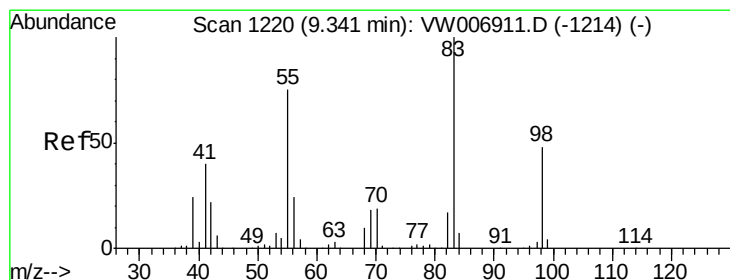
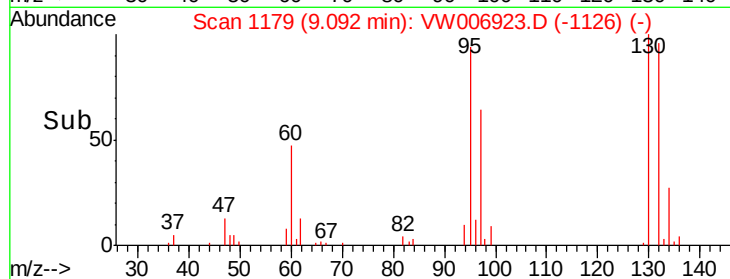
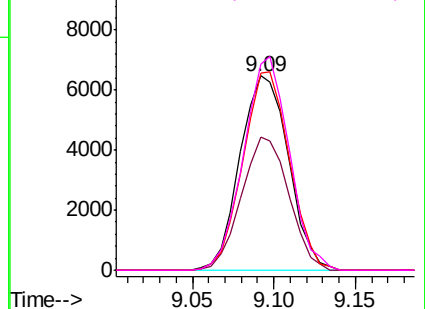


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 3.354 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.07 min

Lab File: VW006923.D

Acq: 16 Nov 2018 18:13

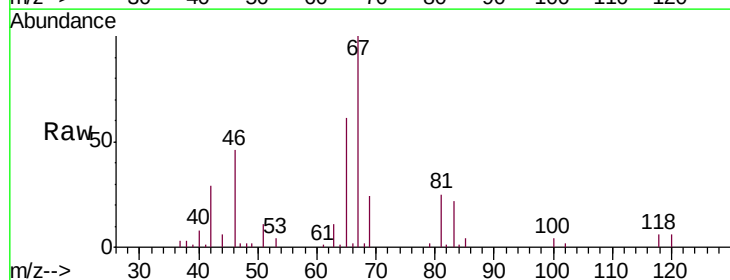
Tgt Ion: 83 Resp: 3442

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.2#

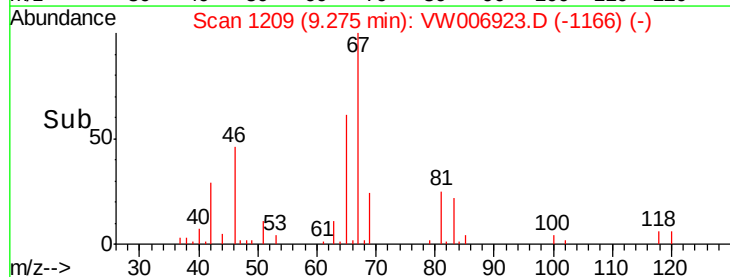
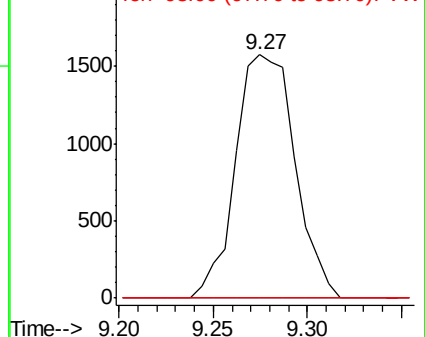
98 0.0 36.5 54.7#

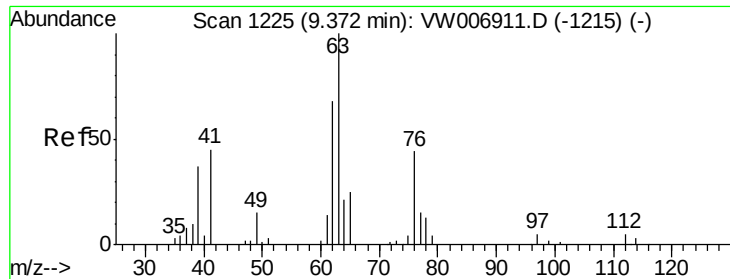


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 3.336 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW006923.D

Acq: 16 Nov 2018 18:13

Instrument :

MSVOA_W

ClientSampleId :

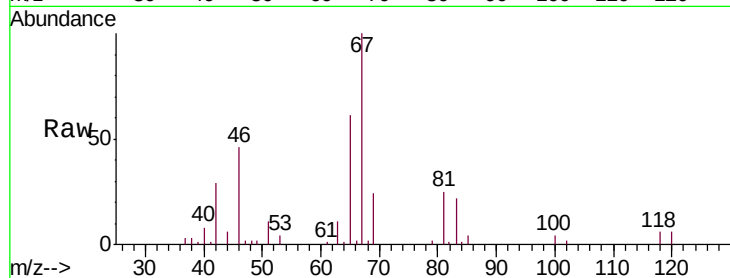
ETO65MSD

Tgt Ion: 63 Resp: 1611

Ion Ratio Lower Upper

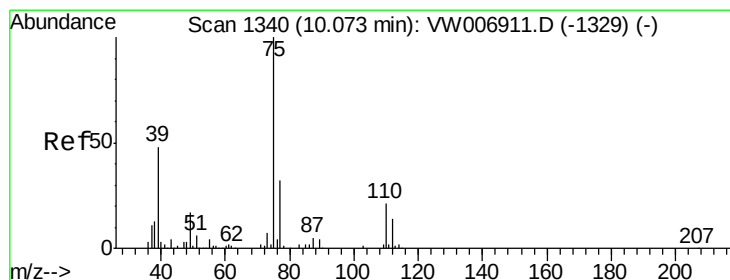
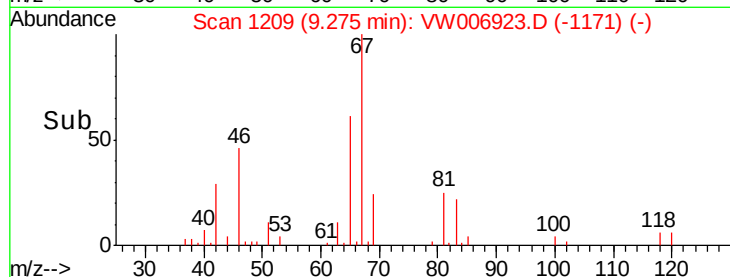
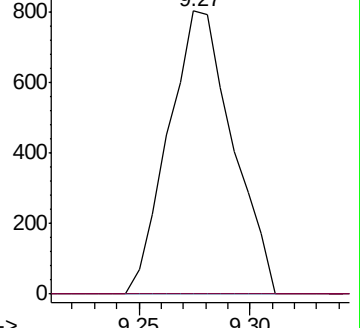
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.457 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW006923.D

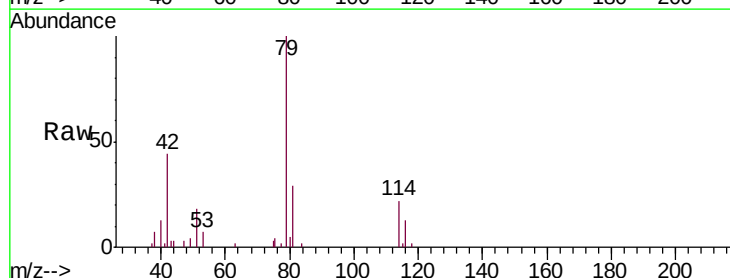
Acq: 16 Nov 2018 18:13

Tgt Ion: 75 Resp: 333

Ion Ratio Lower Upper

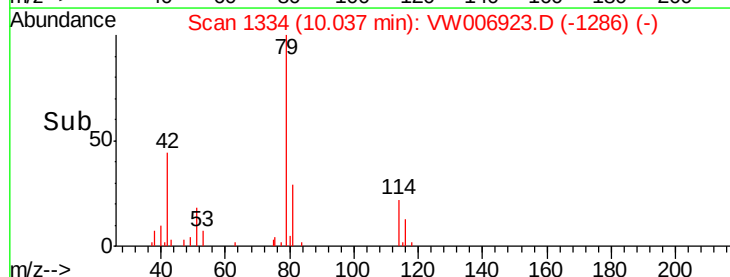
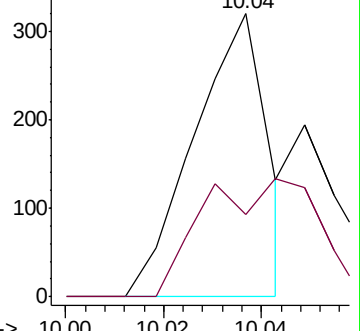
75 100

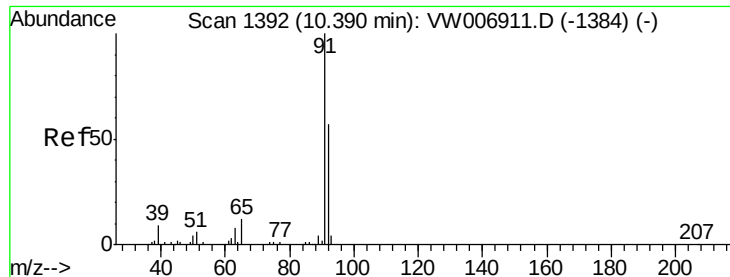
77 29.1 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 26.969 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006923.D

Acq: 16 Nov 2018 18:13

Instrument :

MSVOA_W

ClientSampleId :

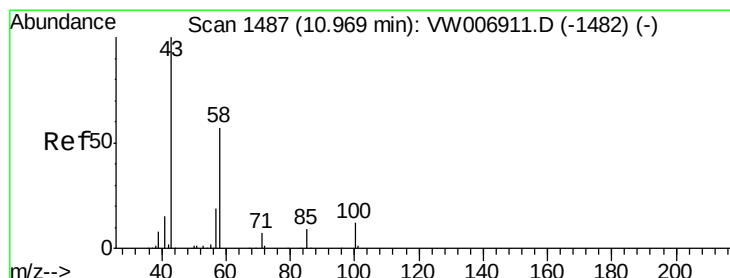
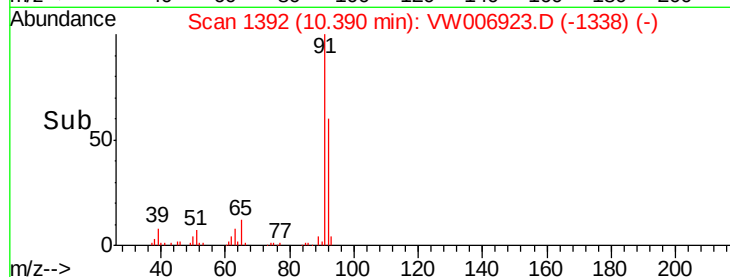
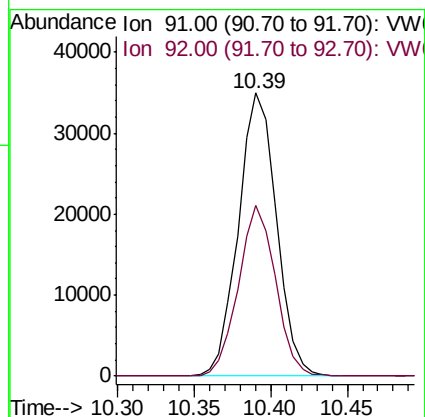
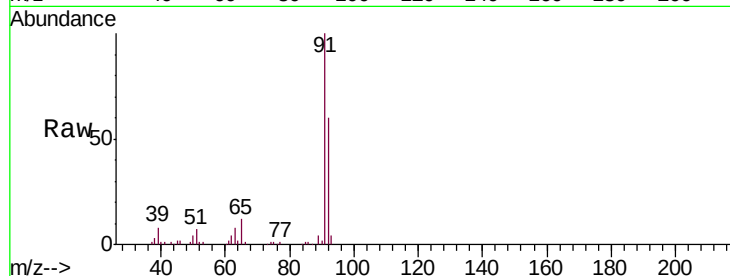
ETO65MSD

Tgt Ion: 91 Resp: 60526

Ion Ratio Lower Upper

91 100

92 60.2 40.5 75.3



#49

2-Hexanone

Concen: 1.149 ug/L

RT: 10.96 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW006923.D

Acq: 16 Nov 2018 18:13

Tgt Ion: 43 Resp: 322

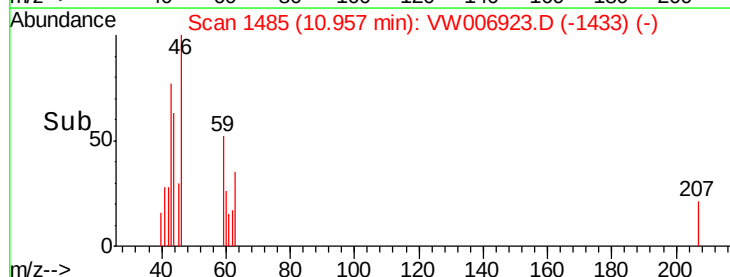
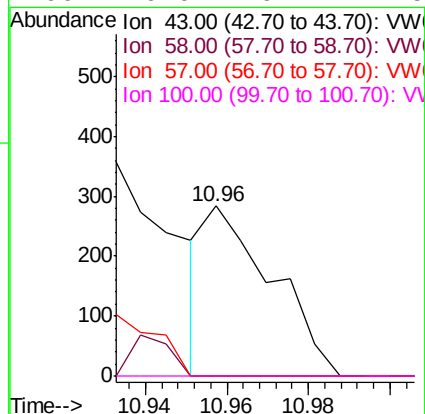
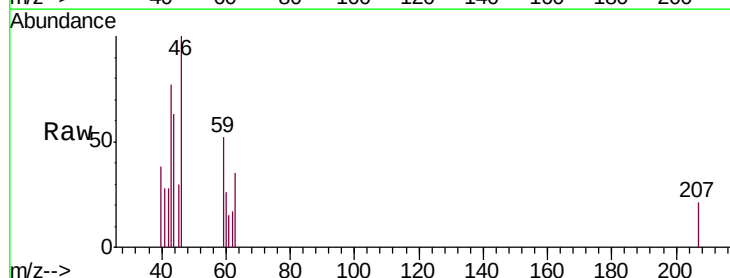
Ion Ratio Lower Upper

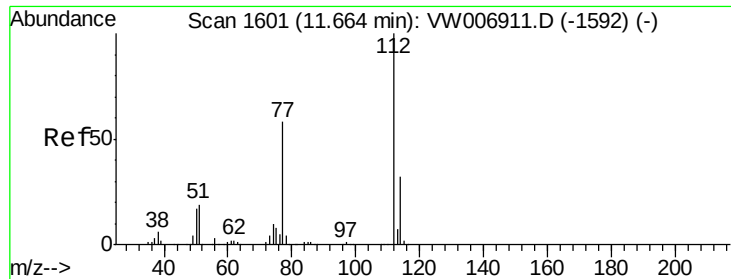
43 100

58 14.0 44.6 67.0#

57 0.0 16.0 24.0#

100 0.0 9.7 14.5#





#52
 Chlorobenzene
 Concen: 24.995 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: VW006923.D
 Acq: 16 Nov 2018 18:13

Instrument :
 MSVOA_W
 ClientSampleId :
 ETO65MSD

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.8	47.8	71.8
114	31.5	22.3	41.5

