

Data File : VW006901.D
Acq On : 15 Nov 2018 16:55
Operator : SY/AP
Sample : J5945-07
Misc : 5.49G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOAS

Quant Time: Nov 16 04:53:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 04:49:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	126810	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	125552	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	59038	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	27298	24.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.00%
7) Chloroethane-d5	2.89	69	21394	26.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.60%
10) 1,1-Dichloroethene-d2	4.02	63	55184	18.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.40%
20) 2-Butanone-d5	7.08	46	29324	47.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.52%
24) Chloroform-d	7.65	84	72265	25.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.96%
26) 1,2-Dichloroethane-d4	8.31	65	47086	29.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	118.88%
29) Benzene-d6	8.28	84	152686	23.26	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.04%
33) 1,2-Dichloropropane-d6	9.28	67	48743	24.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.04%
37) Toluene-d8	10.33	98	158280	23.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.20%
38) trans-1,3-Dichloropropene-	10.58	79	21649	25.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.36%
39) 2-Hexanone-d5	10.93	63	22834	45.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	43700	25.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.52%
61) 1,2-Dichlorobenzene-d4	13.86	152	55219	24.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.80%

Target Compounds

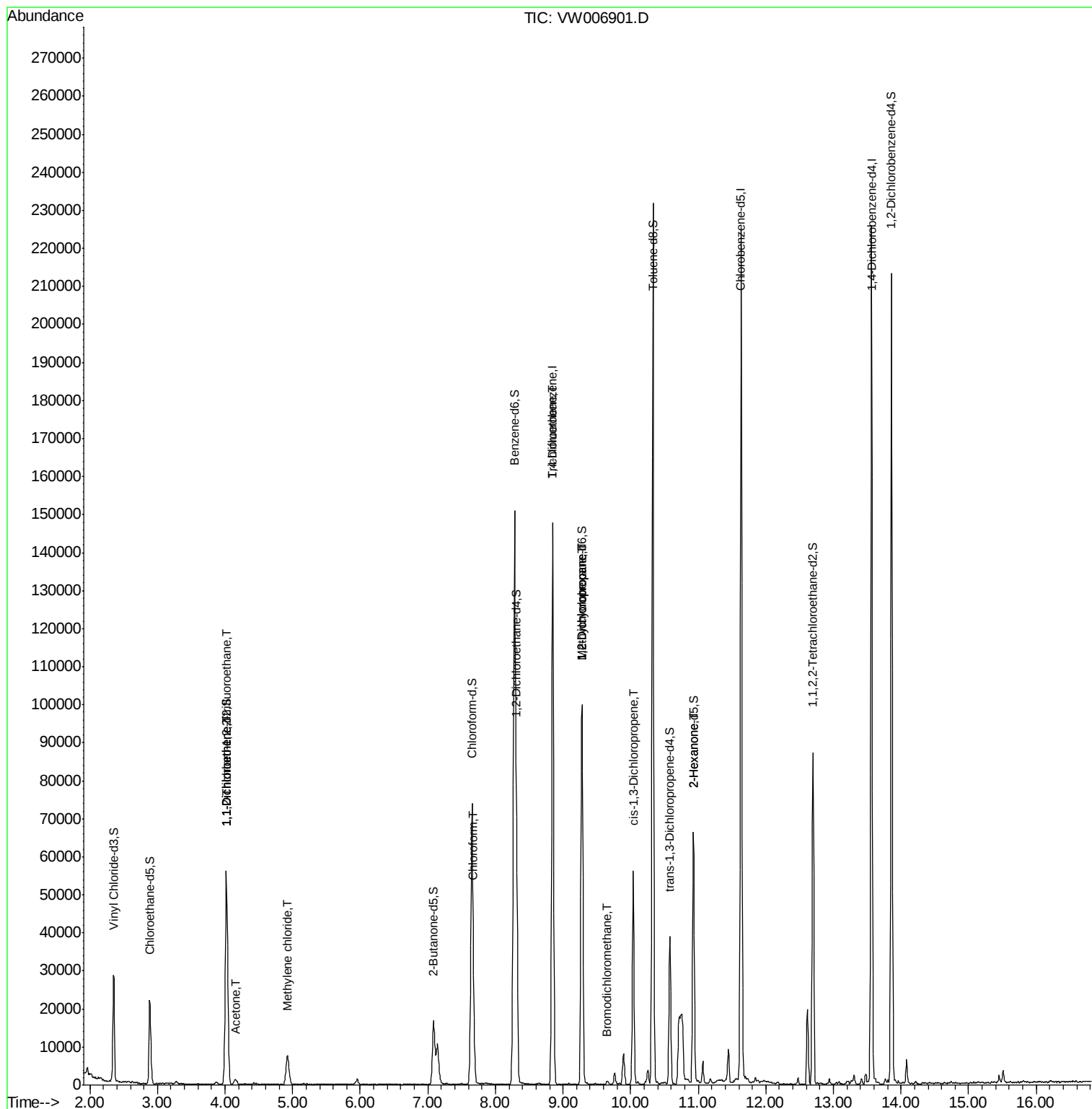
					Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	581	0.348 ug/L #	21
12) 1,1-Dichloroethene	4.03	96	458	0.316 ug/L #	1
13) Acetone	4.15	43	1191	2.980 ug/L	73
16) Methylene chloride	4.93	84	6096	2.749 ug/L	94
25) Chloroform	7.68	83	6586	2.110 ug/L	86
35) Trichloroethene	8.85	95	3707	1.938 ug/L #	6
36) Methylcyclohexane	9.28	83	11825	3.217 ug/L #	20
40) 1,2-Dichloropropane	9.28	63	5346	3.090 ug/L #	88
41) Bromodichloromethane	9.64	83	628	0.296 ug/L #	83
42) cis-1,3-Dichloropropene	10.04	75	1416	0.542 ug/L #	77
49) 2-Hexanone	10.93	43	2829	2.819 ug/L #	66

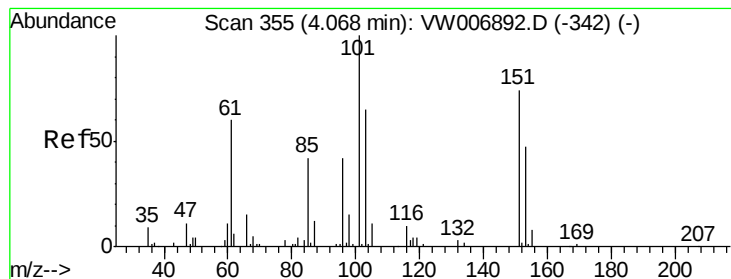
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ETOA5

Quant Time: Nov 16 04:53:59 2018
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Quant Title : VOC Analysis
QLast Update : Fri Nov 16 04:49:42 2018
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.348 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW006901.D

Acq: 15 Nov 2018 16:55

Instrument :

MSVOA_W

ClientSampled :

ETOAS

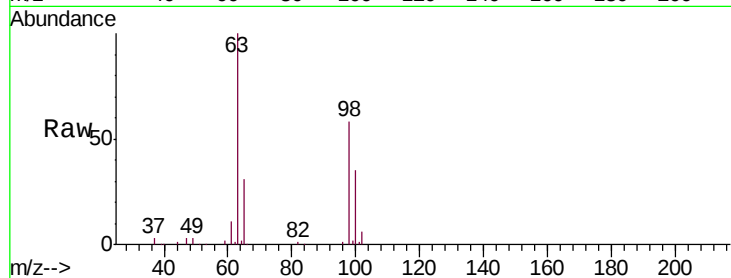
Tgt Ion: 101 Resp: 581

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.8#

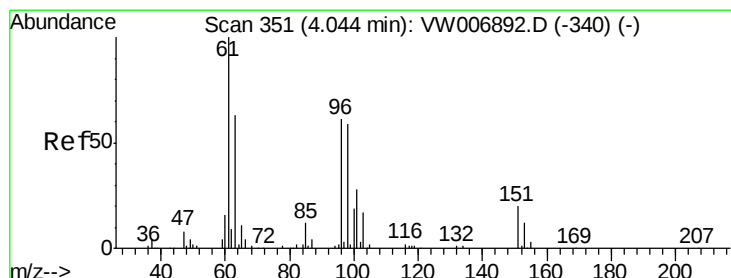
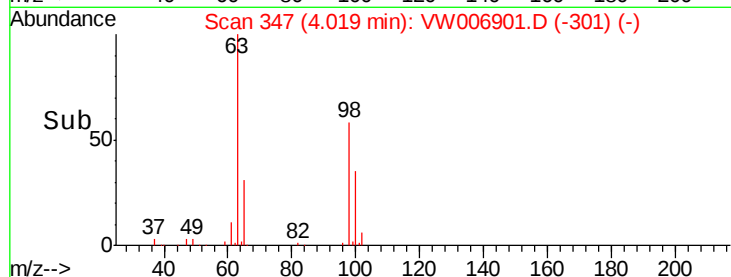
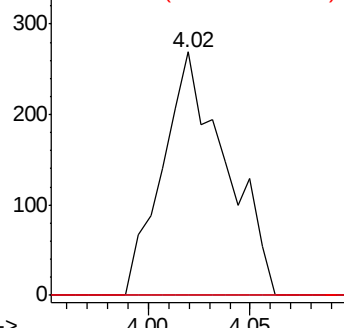
151 0.0 57.5 86.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.316 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.02 min

Lab File: VW006901.D

Acq: 15 Nov 2018 16:55

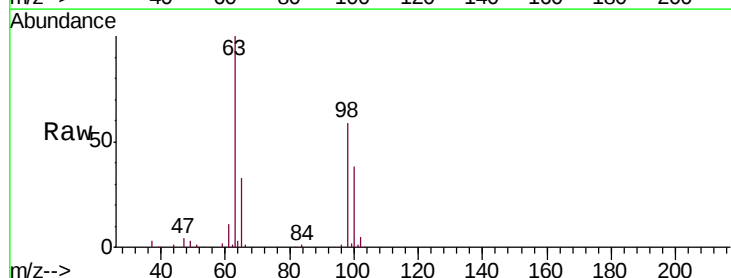
Tgt Ion: 96 Resp: 458

Ion Ratio Lower Upper

96 100

61 961.4 116.3 215.9#

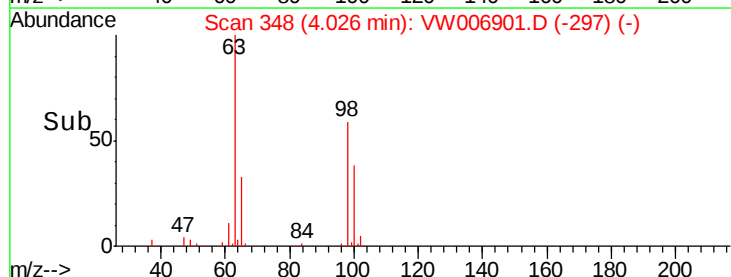
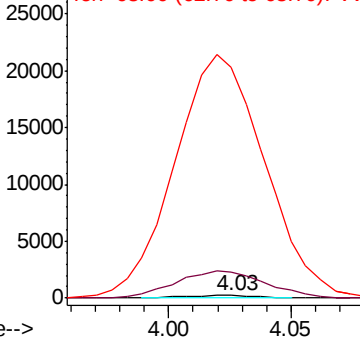
63 8411.6 73.4 136.4#

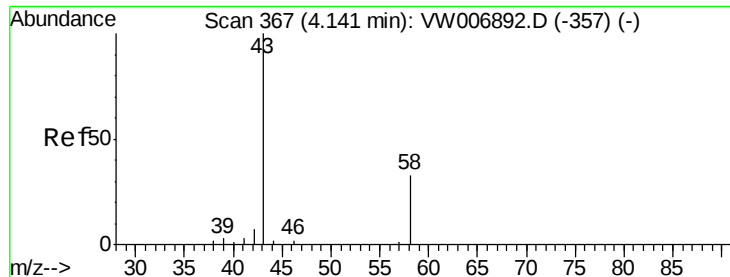


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 2.980 ug/L

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

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Acq: 15 Nov 2018 16:55

Instrument :

MSVOA_W

ClientSampled :

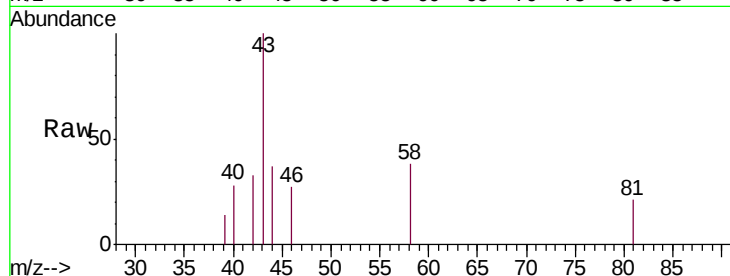
ETOA5

Tgt Ion: 43 Resp: 1191

Ion Ratio Lower Upper

43 100

58 17.8 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

500

400

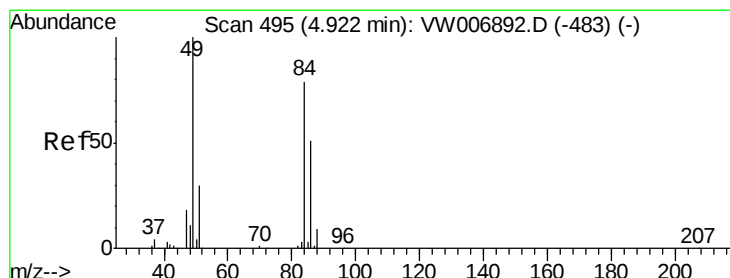
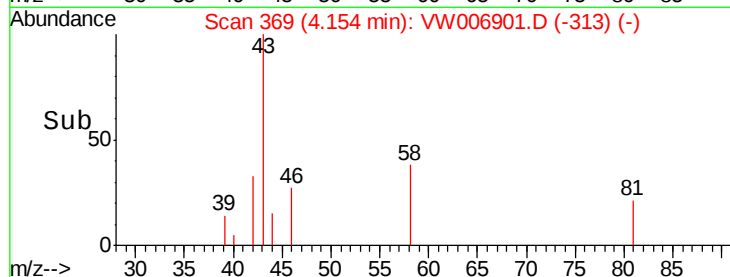
300

200

100

0

Time--> 4.10 4.15 4.20



#16

Methylene chloride

Concen: 2.749 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW006901.D

Acq: 15 Nov 2018 16:55

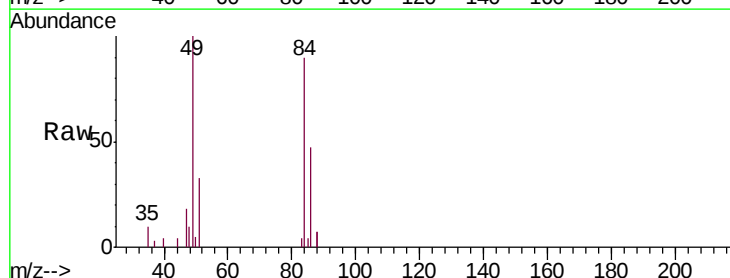
Tgt Ion: 84 Resp: 6096

Ion Ratio Lower Upper

84 100

49 111.4 79.3 147.3

86 52.7 43.5 80.9



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

4.93

3000

2500

2000

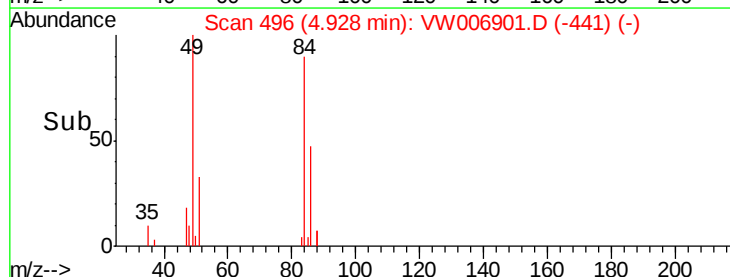
1500

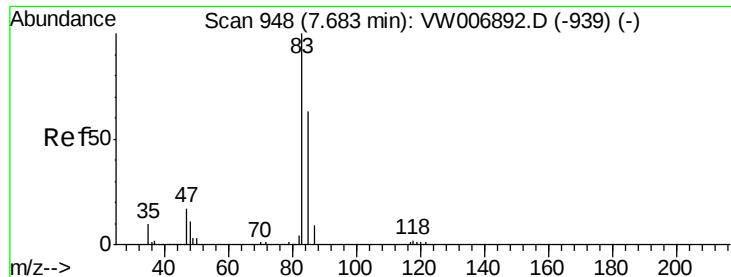
1000

500

0

Time--> 4.85 4.90 4.95 5.00





#25

Chloroform

Concen: 2.110 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006901.D

Acq: 15 Nov 2018 16:55

Instrument :

MSVOA_W

ClientSampleId :

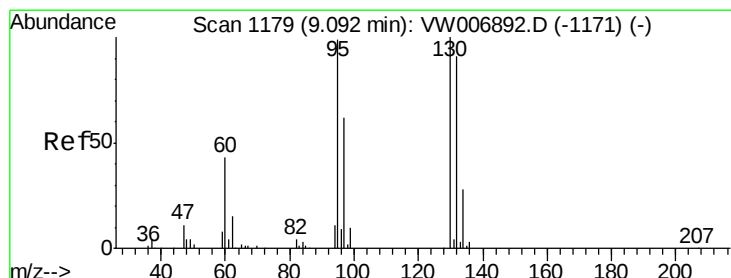
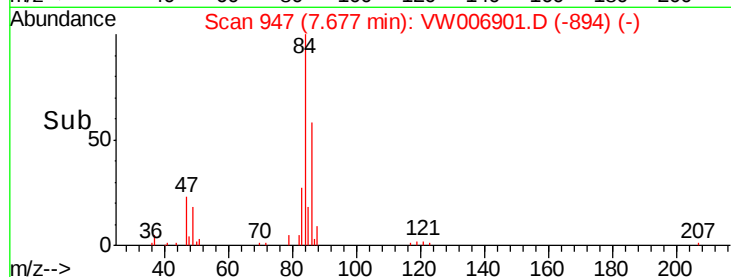
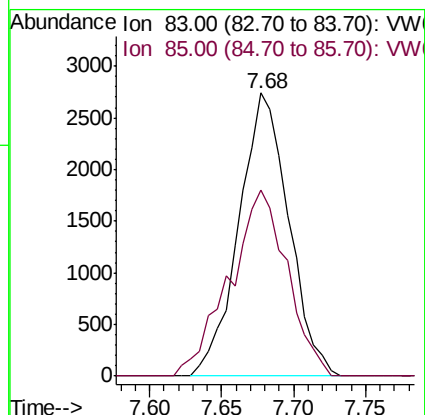
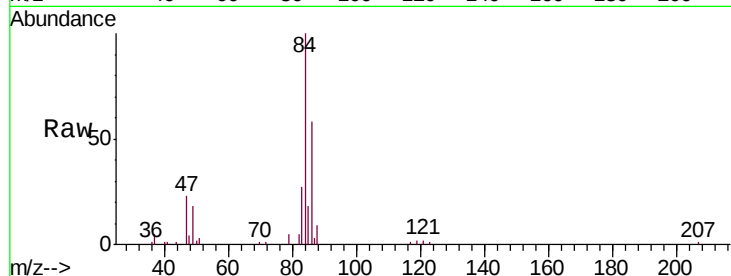
ETOA5

Tgt Ion: 83 Resp: 6586

Ion Ratio Lower Upper

83 100

85 75.9 45.4 84.2



#35

Trichloroethene

Concen: 1.938 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW006901.D

Acq: 15 Nov 2018 16:55

Tgt Ion: 95 Resp: 3707

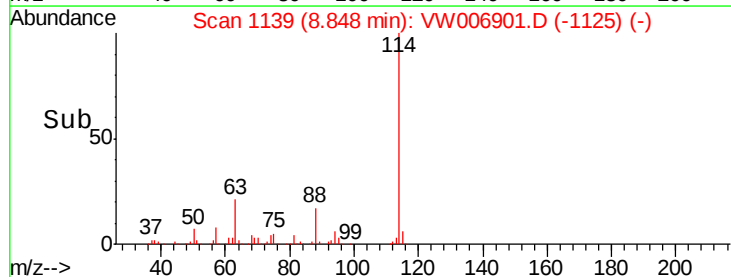
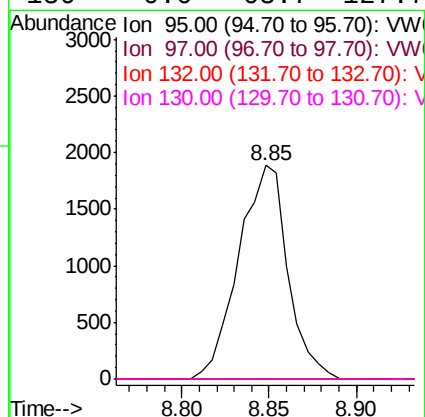
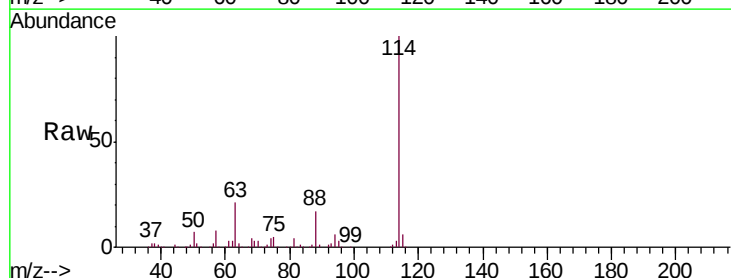
Ion Ratio Lower Upper

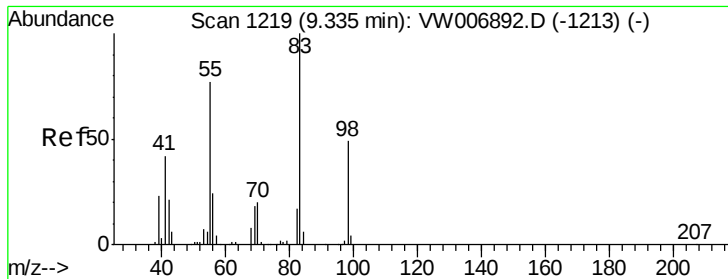
95 100

97 0.0 45.1 83.9#

132 0.0 65.7 121.9#

130 0.0 68.7 127.7#

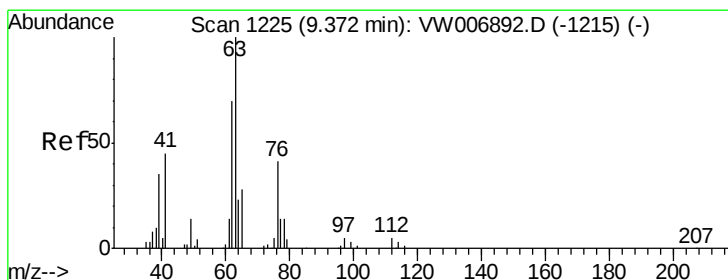
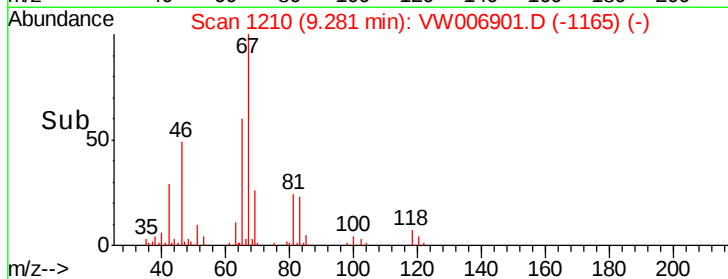
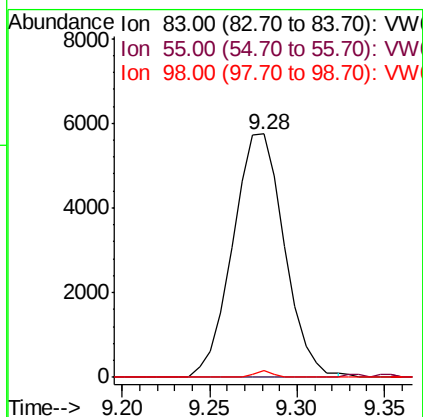
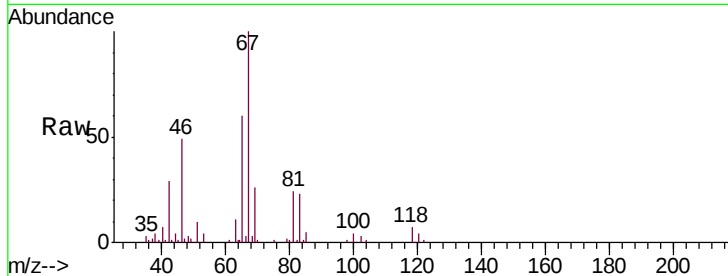




#36
Methylcyclohexane
Concen: 3.217 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.05 min
Lab File: VW006901.D
Acq: 15 Nov 2018 16:55

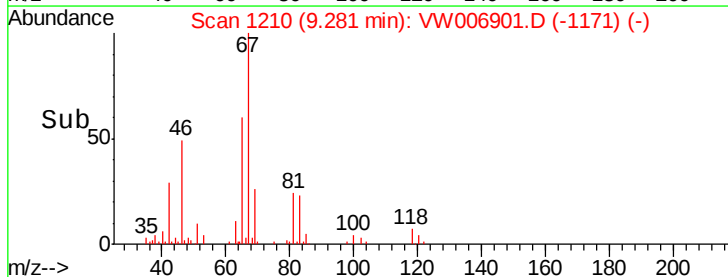
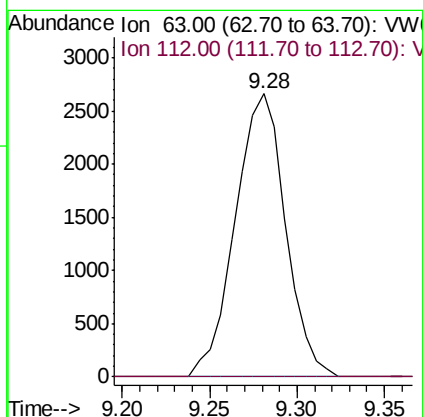
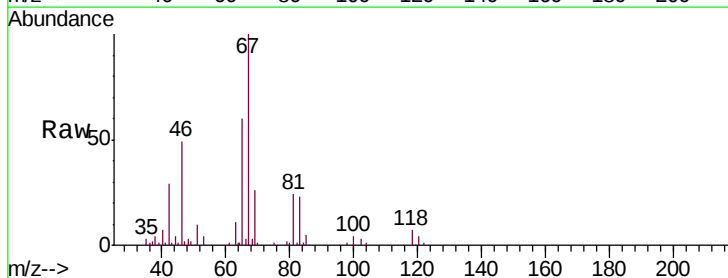
Instrument :
MSVOA_W
ClientSampleId :
ETOAS

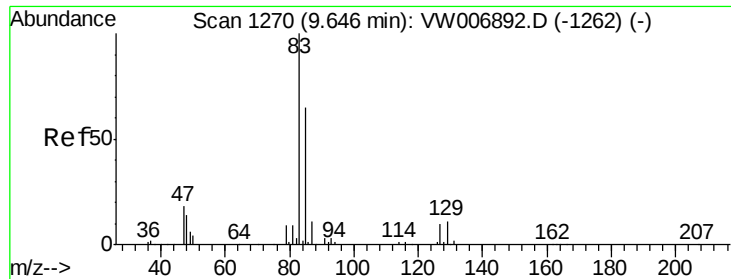
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.4	60.2	90.2#
98	1.0	36.5	54.7#



#40
1,2-Dichloropropane
Concen: 3.090 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.09 min
Lab File: VW006901.D
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Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.1	4.7#

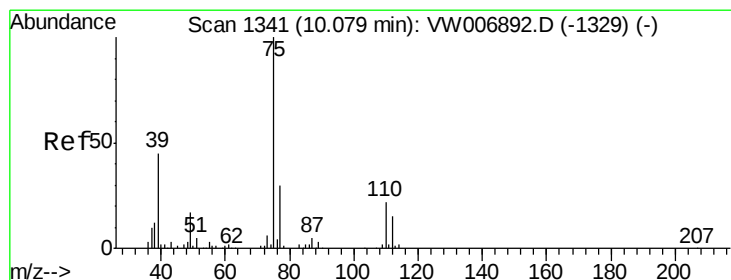
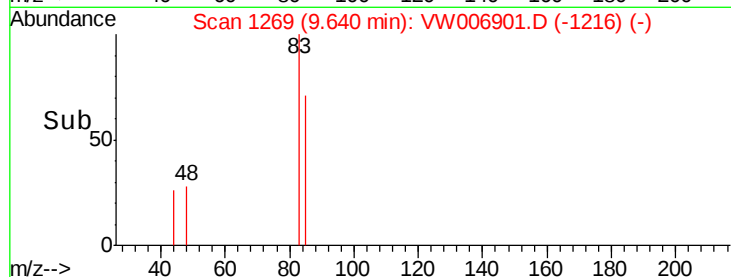
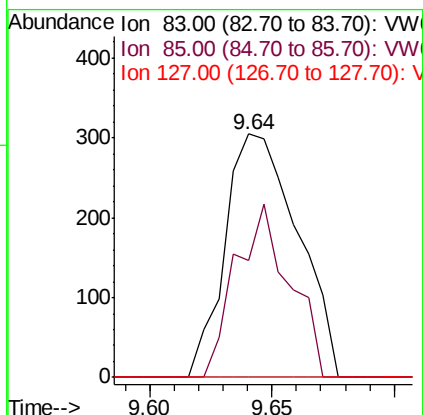
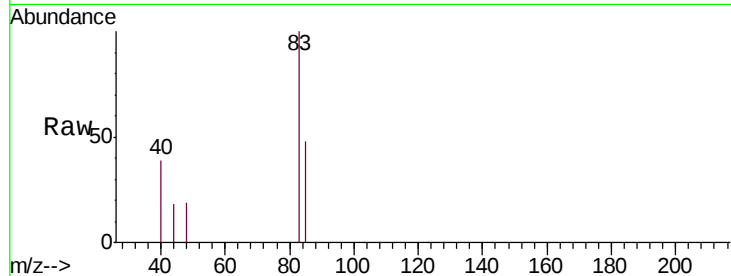




#41
 Bromodichloromethane
 Concen: 0.296 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW006901.D
 Acq: 15 Nov 2018 16:55

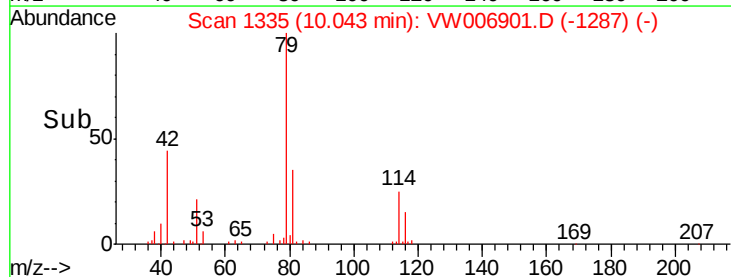
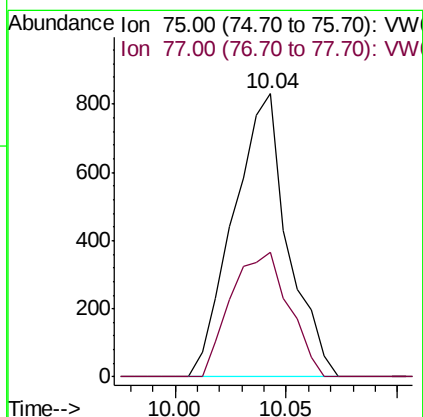
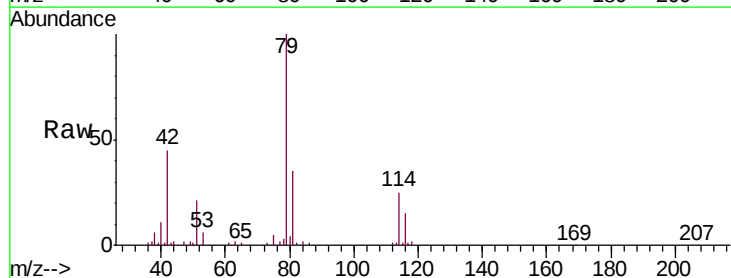
Instrument :
 MSVOA_W
 ClientSampled :
 ETOA5

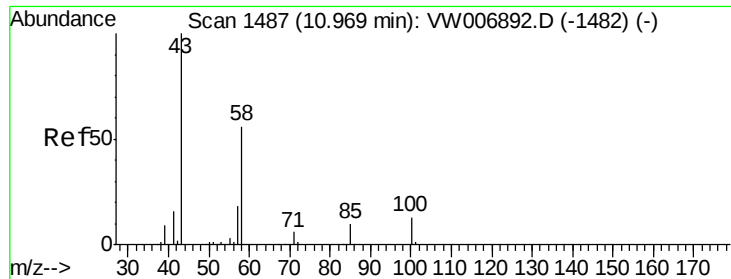
Tgt Ion: 83 Resp: 628
 Ion Ratio Lower Upper
 83 100
 85 48.2 42.4 78.6
 127 0.0 6.5 9.7#



#42
 cis-1,3-Dichloropropene
 Concen: 0.542 ug/L
 RT: 10.04 min Scan# 1335
 Delta R.T. -0.04 min
 Lab File: VW006901.D
 Acq: 15 Nov 2018 16:55

Tgt Ion: 75 Resp: 1416
 Ion Ratio Lower Upper
 75 100
 77 44.0 21.9 40.7#





#49

2-Hexanone

Concen: 2.819 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW006901.D

Acq: 15 Nov 2018 16:55

Instrument :

MSVOA_W

ClientSampleId :

ETOAS

Tgt Ion: 43 Resp: 2829

Ion Ratio Lower Upper

43 100

58 23.2 44.6 67.0#

57 21.6 16.0 24.0

100 0.0 9.7 14.5#

