

Data File : VW006903.D
Acq On : 15 Nov 2018 17:46
Operator : SY/AP
Sample : J5945-15
Misc : 2.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOA6

Quant Time: Nov 16 04:54:25 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	163230	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	143535	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	53350	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	35988	24.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.32%
7) Chloroethane-d5	2.89	69	29288	27.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.24%
10) 1,1-Dichloroethene-d2	4.02	63	70930	18.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.28%
20) 2-Butanone-d5	7.09	46	30884	38.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.34%
24) Chloroform-d	7.65	84	89166	24.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.68%
26) 1,2-Dichloroethane-d4	8.31	65	56686	27.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.16%
29) Benzene-d6	8.28	84	195420	26.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.16%
33) 1,2-Dichloropropane-d6	9.28	67	62120	27.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.20%
37) Toluene-d8	10.33	98	190457	24.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.12%
38) trans-1,3-Dichloropropene-	10.58	79	23758	24.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.32%
39) 2-Hexanone-d5	10.93	63	23827	41.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	47676	23.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	49595	24.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.20%

Target Compounds

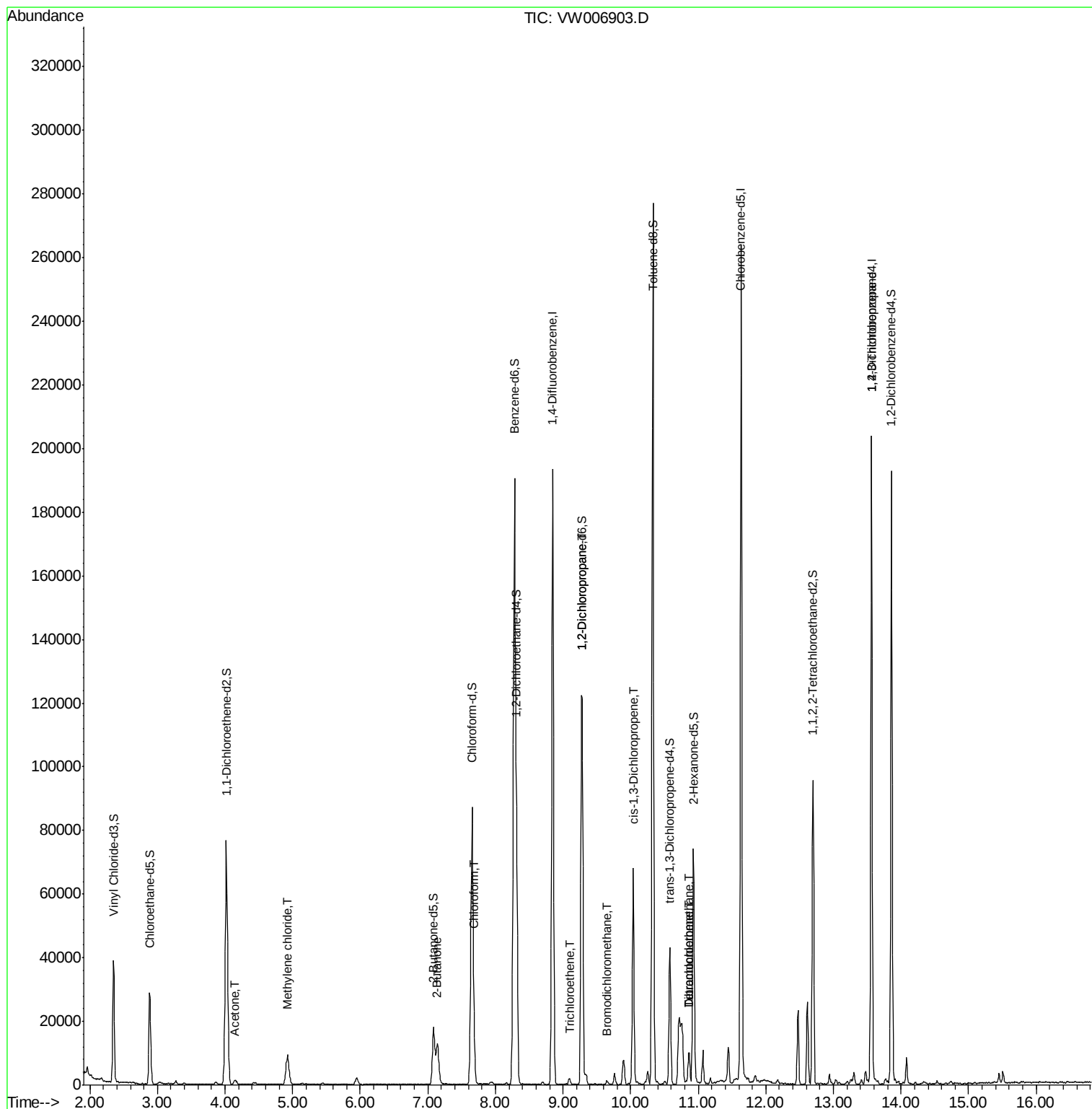
					Qvalue
13) Acetone	4.14	43	1168	2.270 ug/L	85
16) Methylene chloride	4.92	84	7203	2.524 ug/L	91
21) 2-Butanone	7.15	43	1266	1.426 ug/L #	57
25) Chloroform	7.68	83	9130	2.272 ug/L	84
35) Trichloroethene	9.10	95	660	0.302 ug/L	95
40) 1,2-Dichloropropane	9.27	63	6731	3.404 ug/L #	88
41) Bromodichloromethane	9.65	83	668	0.275 ug/L #	92
42) cis-1,3-Dichloropropene	10.04	75	1566	0.524 ug/L #	56
47) Tetrachloroethene	10.87	164	2160	1.292 ug/L	87
50) Dibromochloromethane	10.87	129	1997	1.222 ug/L #	10
59) 1,2,3-Trichloropropane	13.56	75	6413	4.287 ug/L	94

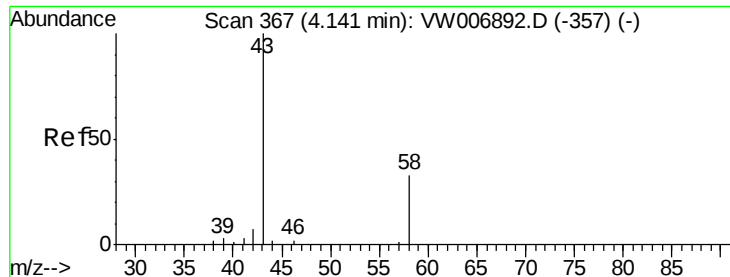
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.270 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW006903.D

Acq: 15 Nov 2018 17:46

Instrument :

MSVOA_W

ClientSampled :

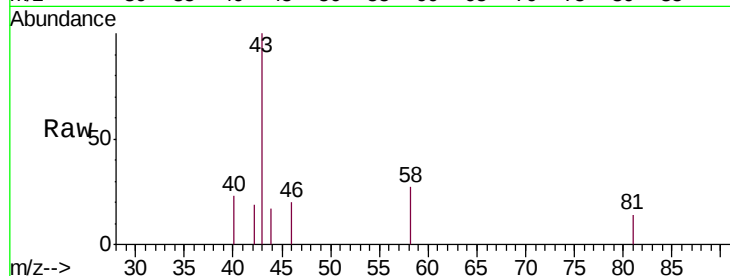
ETOA6

Tgt Ion: 43 Resp: 1168

Ion Ratio Lower Upper

43 100

58 24.5 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

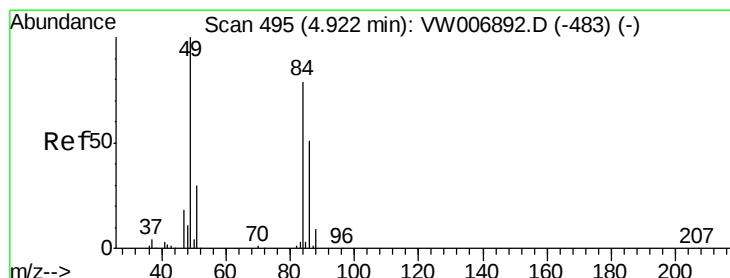
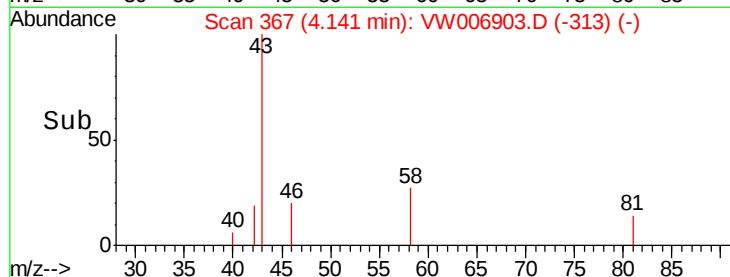
600

400

200

0

Time--> 4.10 4.15 4.20



#16

Methylene chloride

Concen: 2.524 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW006903.D

Acq: 15 Nov 2018 17:46

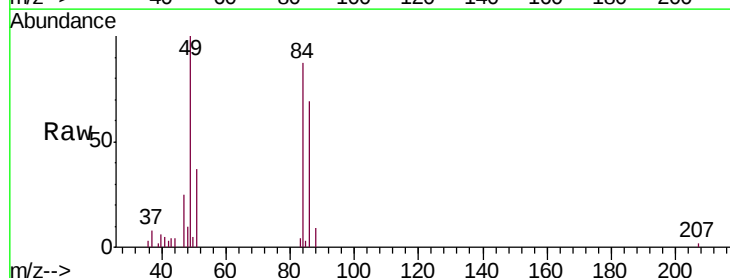
Tgt Ion: 84 Resp: 7203

Ion Ratio Lower Upper

84 100

49 115.4 79.3 147.3

86 79.8 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

4.92

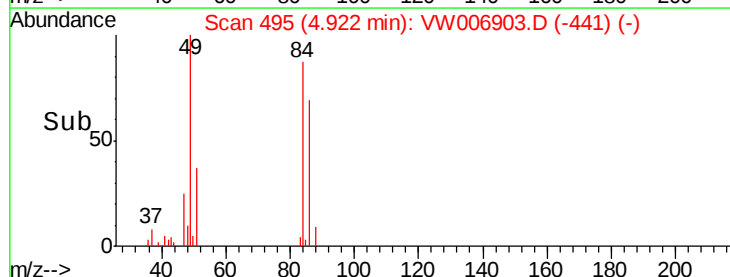
3000

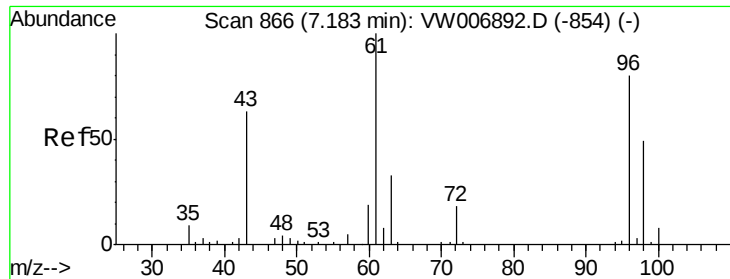
2000

1000

0

Time--> 4.80 4.85 4.90 4.95 5.00





#21

2-Butanone

Concen: 1.426 ug/L

RT: 7.15 min Scan# 860

Delta R.T. -0.04 min

Lab File: VW006903.D

Acq: 15 Nov 2018 17:46

Instrument :

MSVOA_W

ClientSampleId :

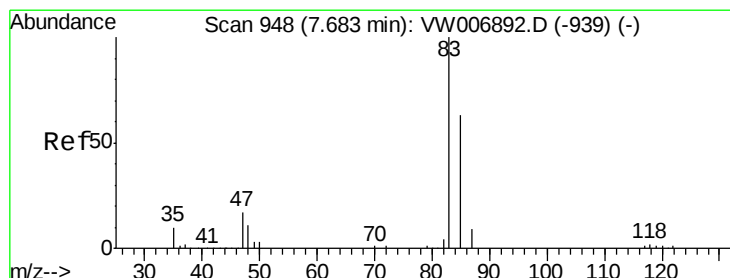
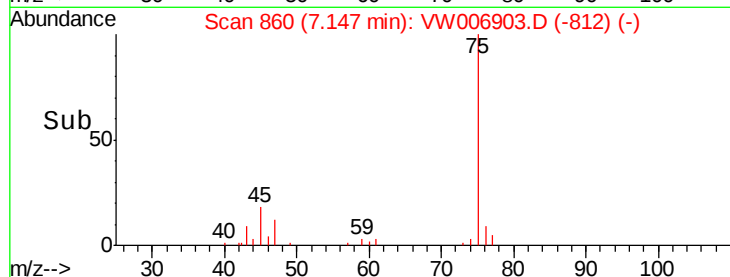
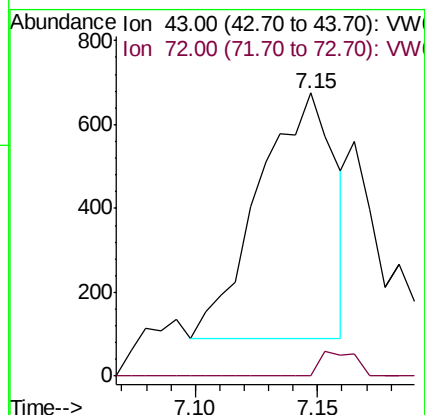
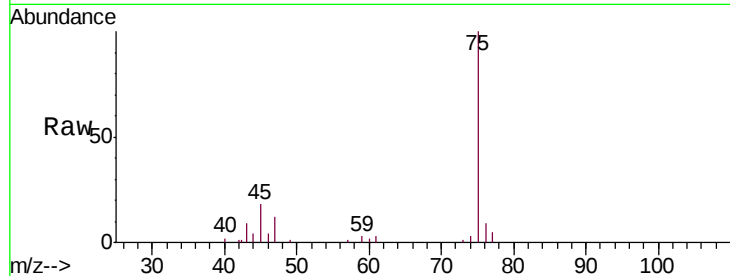
ETOA6

Tgt Ion: 43 Resp: 1266

Ion Ratio Lower Upper

43 100

72 4.7 13.5 40.5#



#25

Chloroform

Concen: 2.272 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.00 min

Lab File: VW006903.D

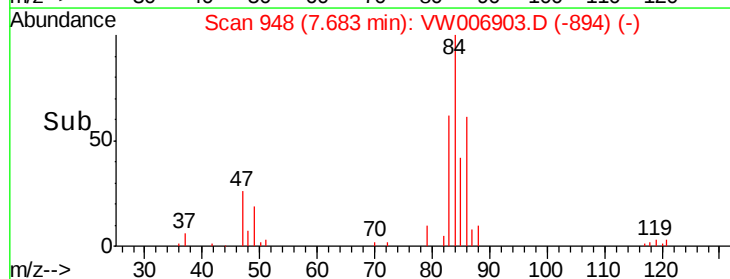
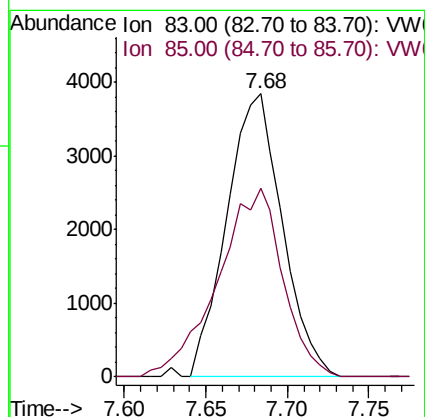
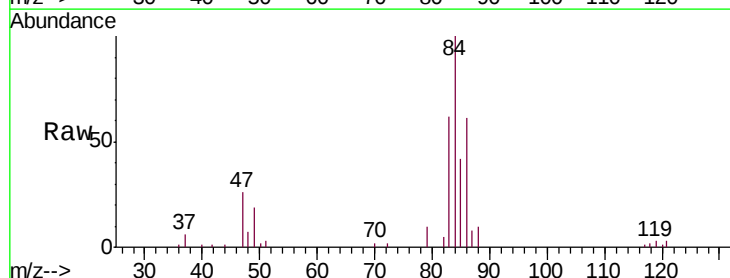
Acq: 15 Nov 2018 17:46

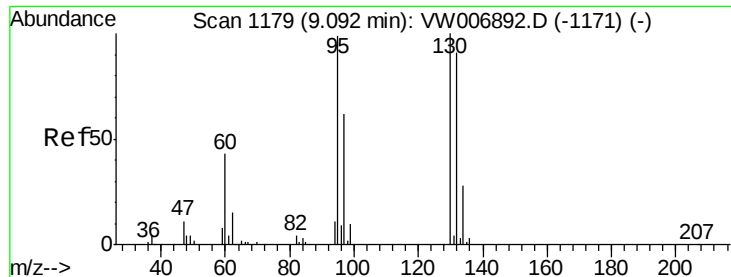
Tgt Ion: 83 Resp: 9130

Ion Ratio Lower Upper

83 100

85 77.6 45.4 84.2





#35

Trichloroethene

Concen: 0.302 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW006903.D

Acq: 15 Nov 2018 17:46

Instrument :

MSVOA_W

ClientSampled :

ETOA6

Tgt Ion: 95 Resp: 660

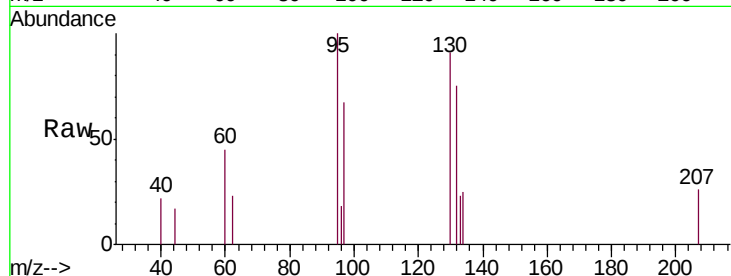
Ion Ratio Lower Upper

95 100

97 71.1 45.1 83.9

132 98.0 65.7 121.9

130 93.9 68.7 127.7

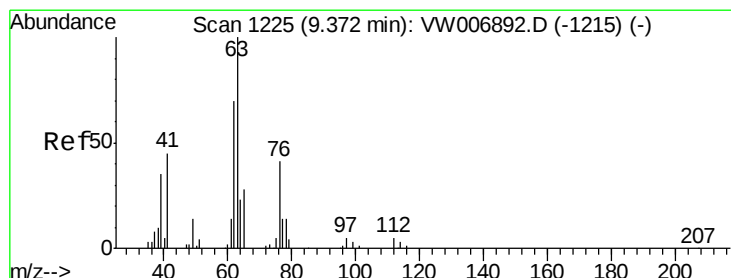
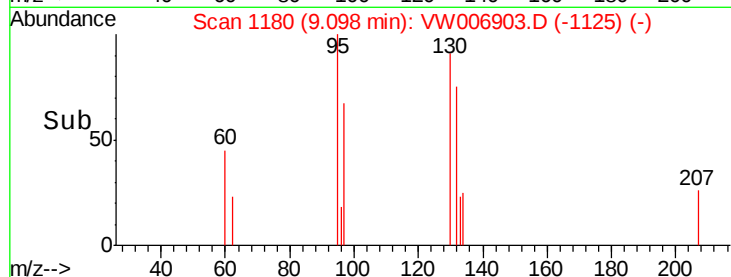
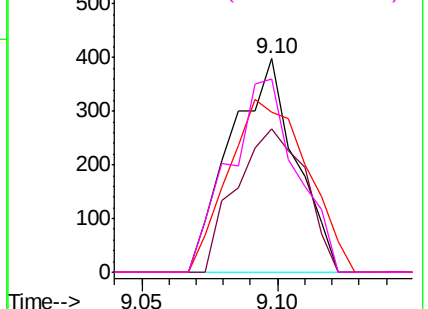


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#40

1,2-Dichloropropane

Concen: 3.404 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW006903.D

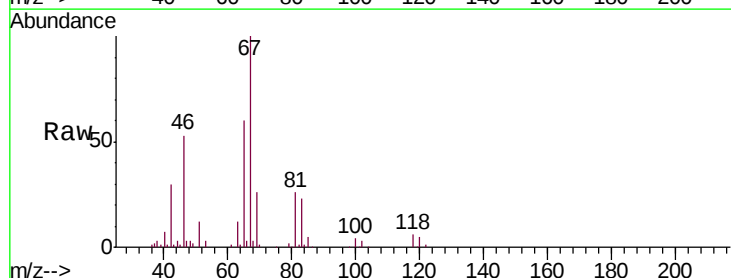
Acq: 15 Nov 2018 17:46

Tgt Ion: 63 Resp: 6731

Ion Ratio Lower Upper

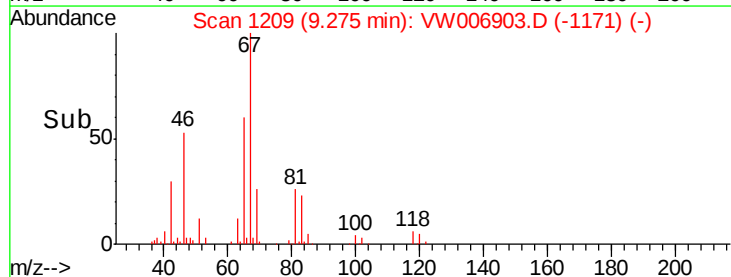
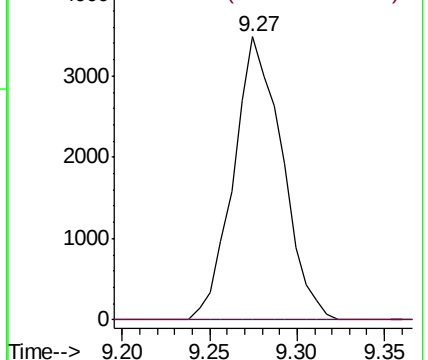
63 100

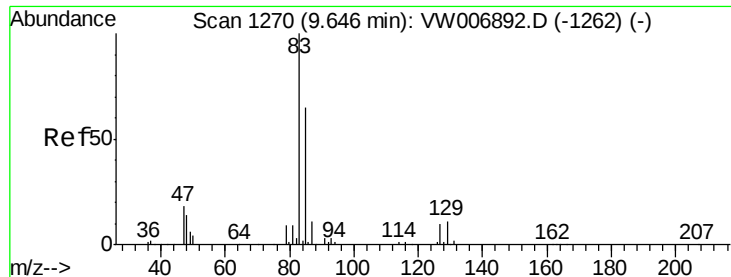
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V





#41

Bromodichloromethane

Concen: 0.275 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006903.D

Acq: 15 Nov 2018 17:46

Instrument :

MSVOA_W

ClientSampleId :

ETOA6

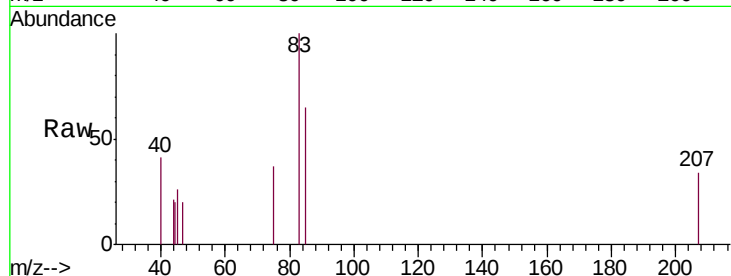
Tgt Ion: 83 Resp: 668

Ion Ratio Lower Upper

83 100

85 65.4 42.4 78.6

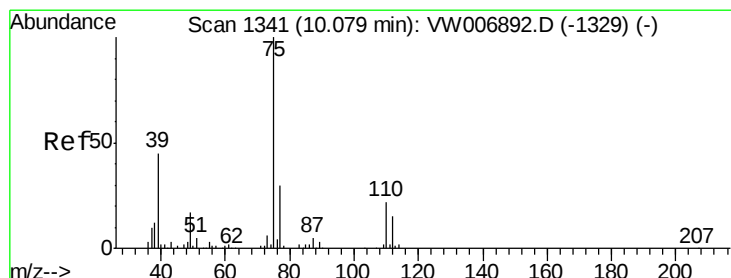
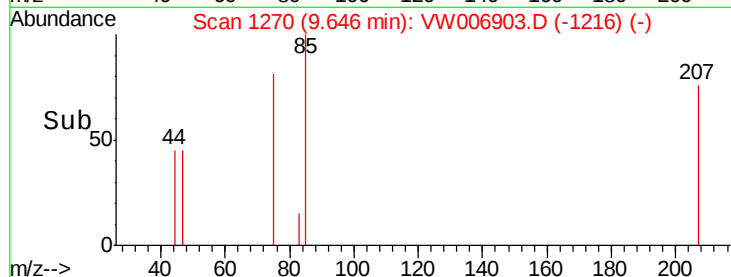
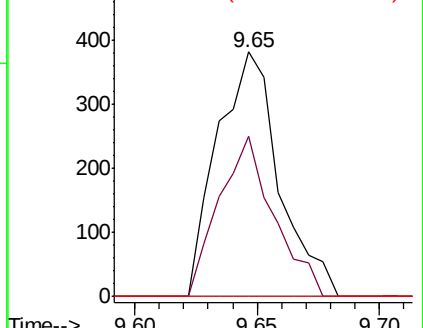
127 0.0 6.5 9.7#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.524 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW006903.D

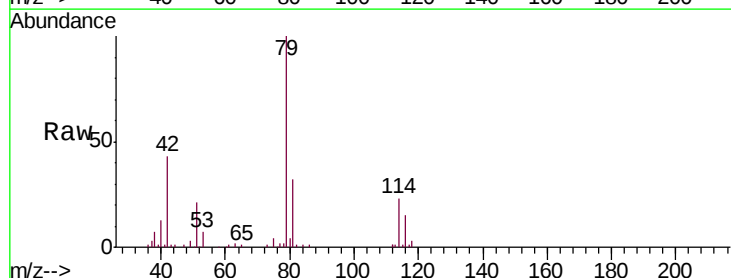
Acq: 15 Nov 2018 17:46

Tgt Ion: 75 Resp: 1566

Ion Ratio Lower Upper

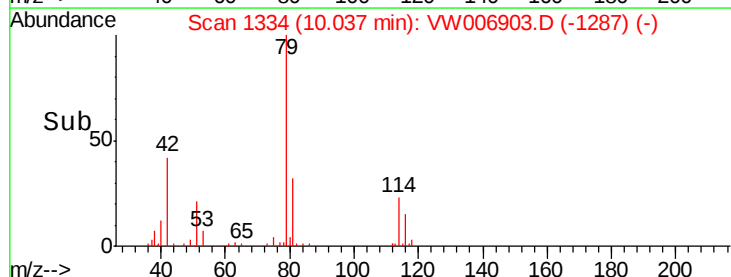
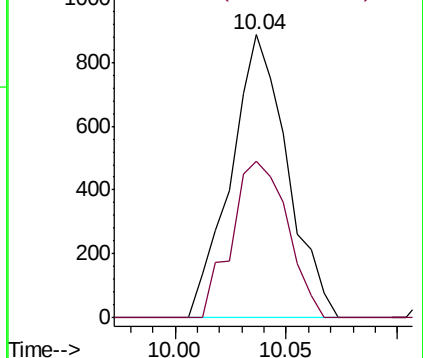
75 100

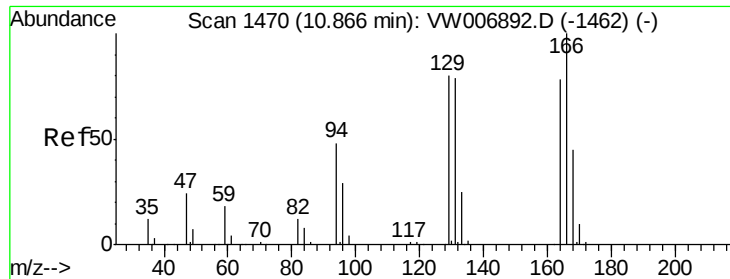
77 55.4 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#47

Tetrachloroethene

Concen: 1.292 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW006903.D

Acq: 15 Nov 2018 17:46

Instrument :

MSVOA_W

ClientSampleId :

ETOA6

Tgt Ion:164 Resp: 2160

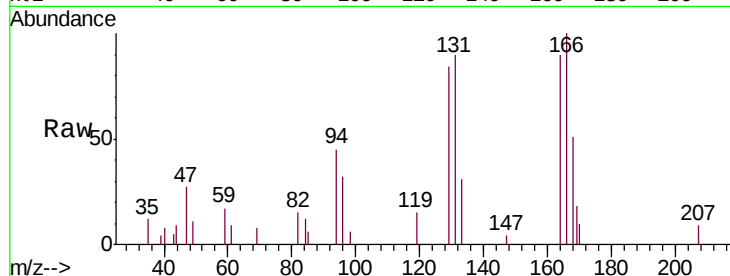
Ion Ratio Lower Upper

164 100

129 92.6 75.0 139.2

131 99.3 72.5 134.7

166 110.6 93.7 174.1

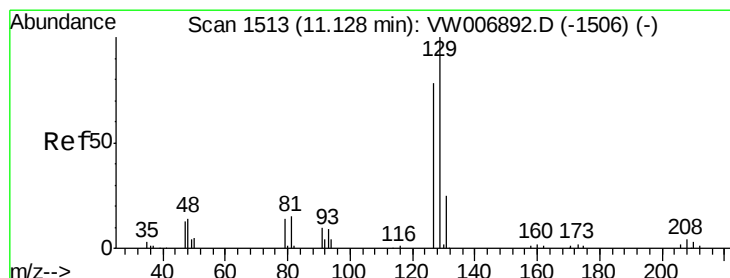
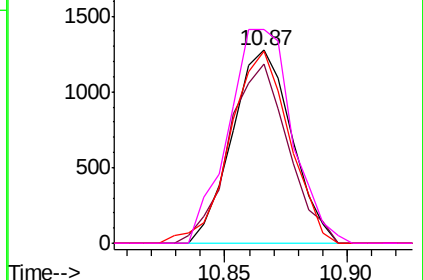
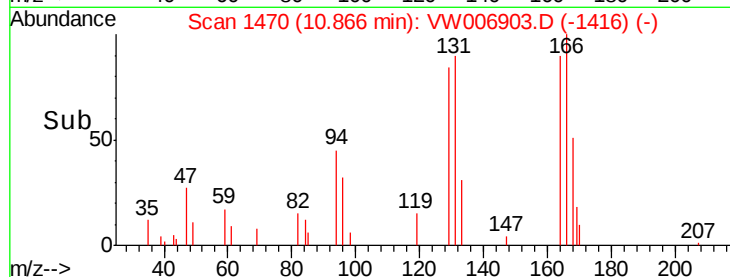


Abundance Ion 164.00 (163.70 to 164.70): V

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: 1.222 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW006903.D

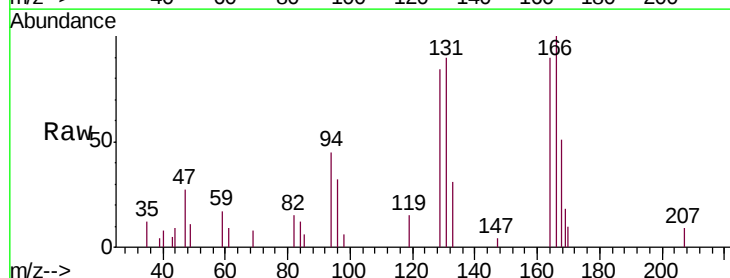
Acq: 15 Nov 2018 17:46

Tgt Ion:129 Resp: 1997

Ion Ratio Lower Upper

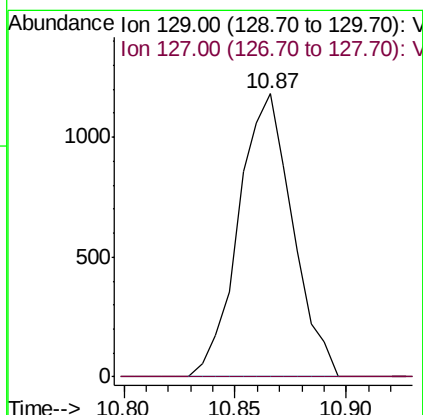
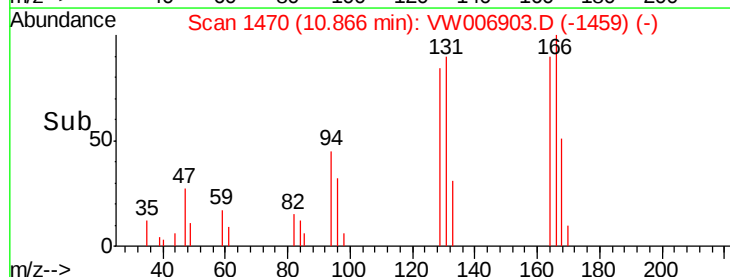
129 100

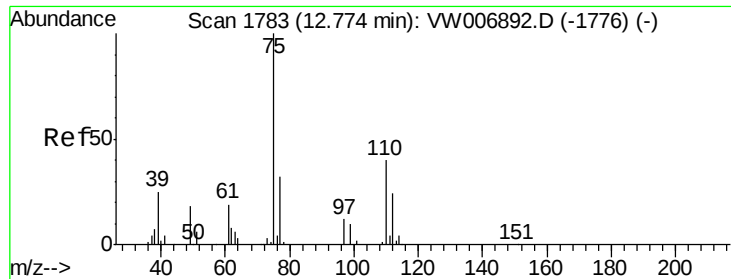
127 0.0 55.7 103.5#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 4.287 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW006903.D

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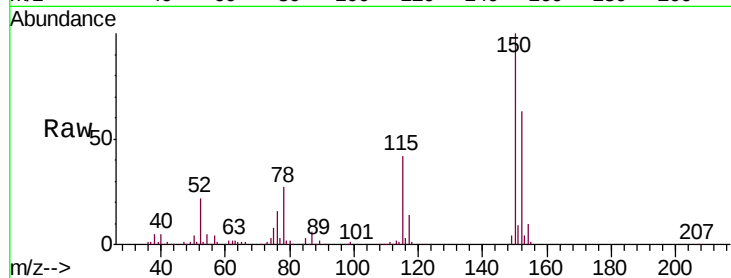
ETOA6

Tgt Ion: 75 Resp: 6413

Ion Ratio Lower Upper

75 100

77 36.4 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

