

Data File : VW014135.D
Acq On : 26 Nov 2019 15:09
Operator : SY/VA
Sample : K6007-17RE
Misc : 5.12G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0BM3RE

Quant Time: Nov 27 07:08:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 27 06:15:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	81541	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	80983	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	25844	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	19278	14.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.28%
7) Chloroethane-d5	2.88	69	22241	21.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.36%
10) 1,1-Dichloroethene-d2	4.01	63	33688	12.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	50.48%
20) 2-Butanone-d5	7.07	46	35875	94.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	189.84%#
24) Chloroform-d	7.65	84	72970	29.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	116.40%
26) 1,2-Dichloroethane-d4	8.31	65	49889	39.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	158.32%#
29) Benzene-d6	8.27	84	132549	23.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.28%
33) 1,2-Dichloropropane-d6	9.27	67	49287	29.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.12%
37) Toluene-d8	10.32	98	103821	19.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.20%
38) trans-1,3-Dichloropropene-	10.57	79	17472	24.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.96%
39) 2-Hexanone-d5	10.92	63	20247	63.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	47508	37.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	149.52%#
61) 1,2-Dichlorobenzene-d4	13.85	152	28776	27.71	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.84%

Target Compounds

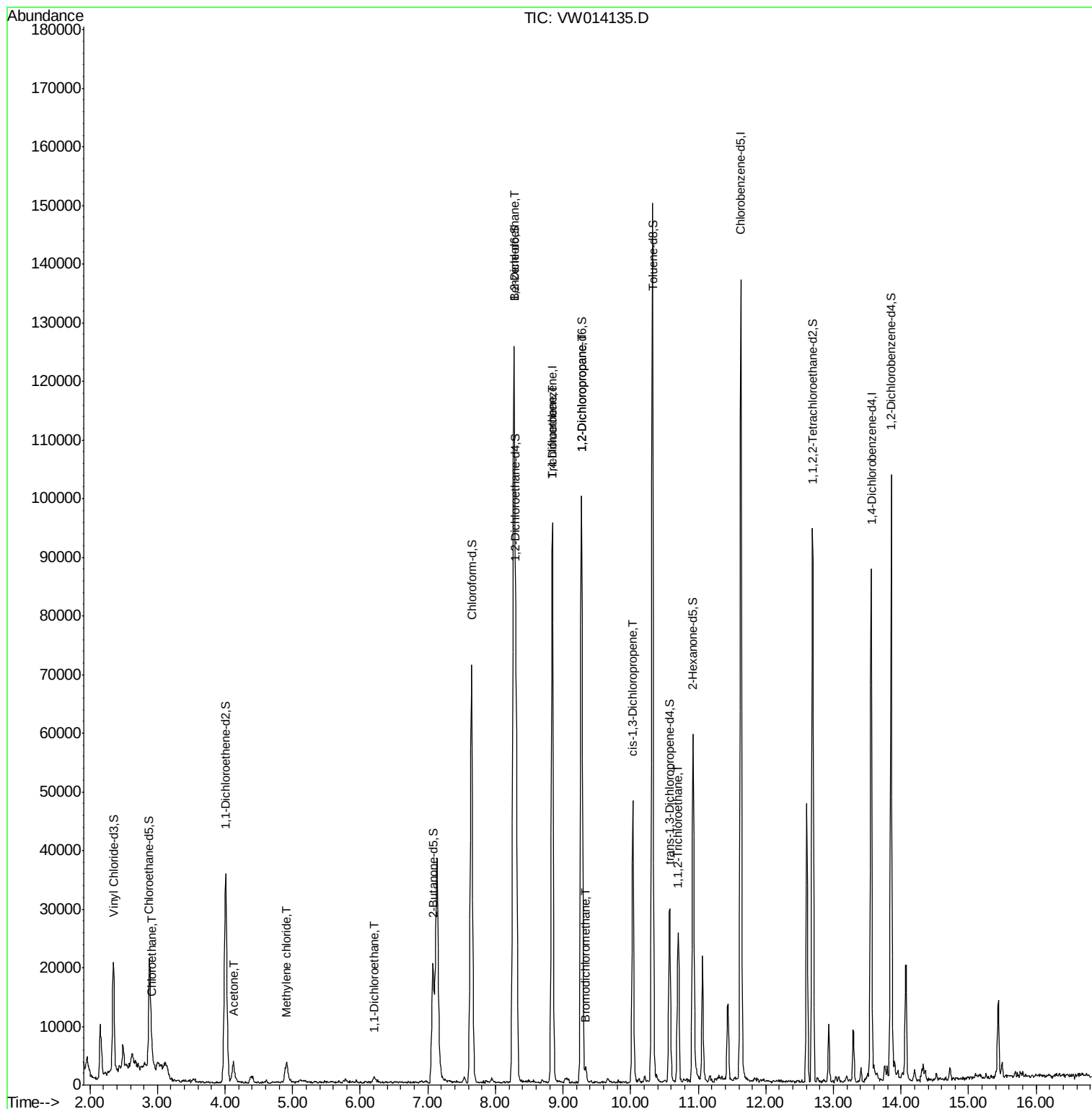
					Qvalue
8) Chloroethane	2.92	64	2828	3.535 ug/L	84
13) Acetone	4.12	43	6288	16.350 ug/L	97
16) Methylene chloride	4.92	84	2755	1.755 ug/L	77
19) 1,1-Dichloroethane	6.21	63	1555	0.643 ug/L #	84
27) 1,2-Dichloroethane	8.27	62	706	0.491 ug/L #	70
35) Trichloroethene	8.84	95	2498	1.576 ug/L #	2
40) 1,2-Dichloropropane	9.27	63	5044	3.527 ug/L #	85
41) Bromodichloromethane	9.34	83	703	0.407 ug/L #	25
42) cis-1,3-Dichloropropene	10.03	75	1099	0.487 ug/L #	70
46) 1,1,2-Trichloroethane	10.70	97	518	0.493 ug/L #	15

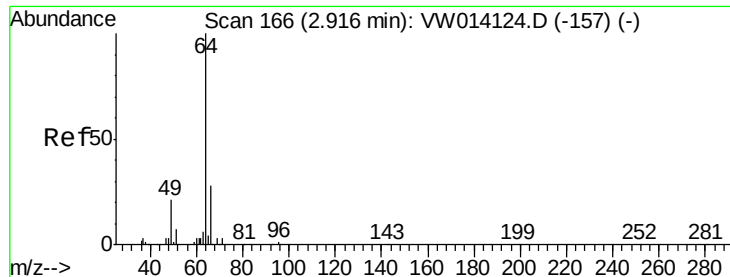
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 3.535 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW014135.D

Acq: 26 Nov 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

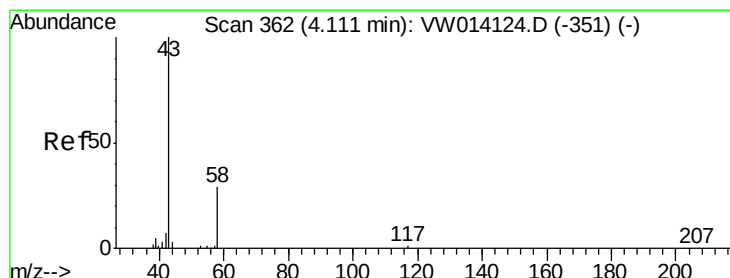
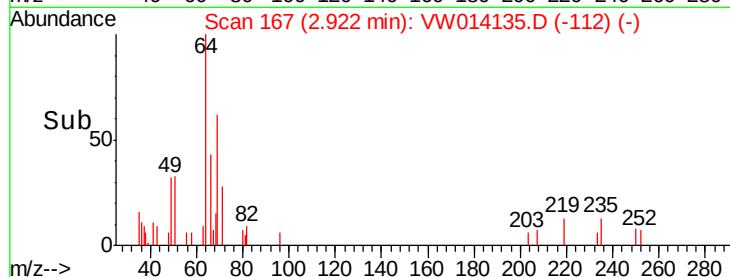
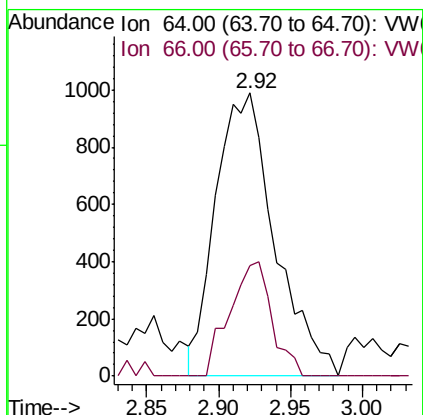
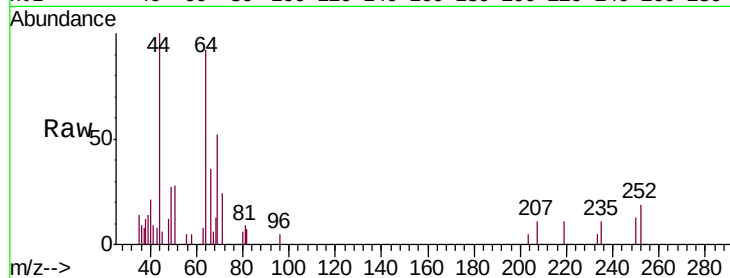
C0BM3RE

Tgt Ion: 64 Resp: 2828

Ion Ratio Lower Upper

64 100

66 39.1 21.2 39.4



#13

Acetone

Concen: 16.350 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014135.D

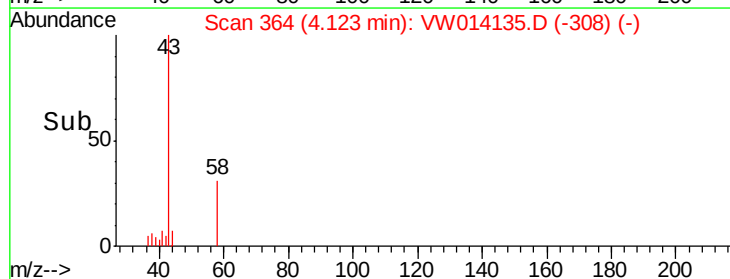
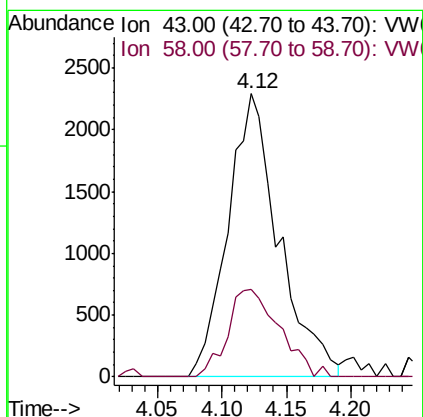
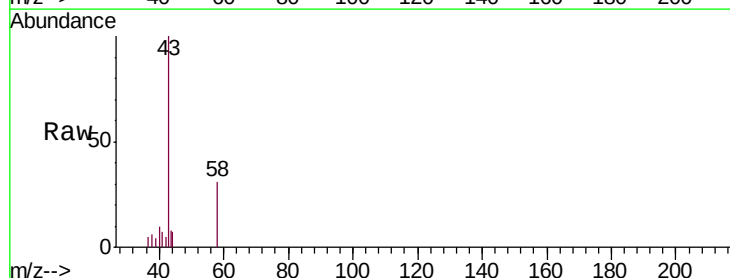
Acq: 26 Nov 2019 15:09

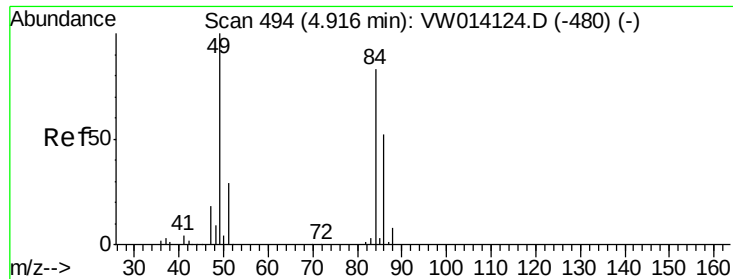
Tgt Ion: 43 Resp: 6288

Ion Ratio Lower Upper

43 100

58 31.1 0.0 65.4

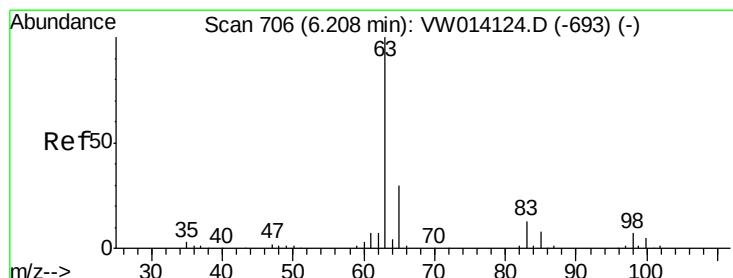
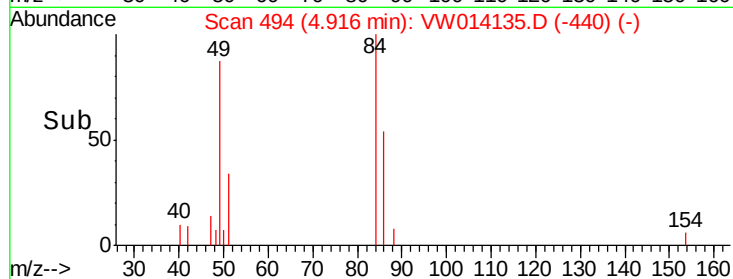
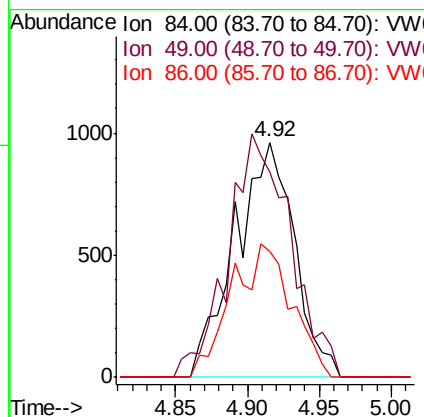
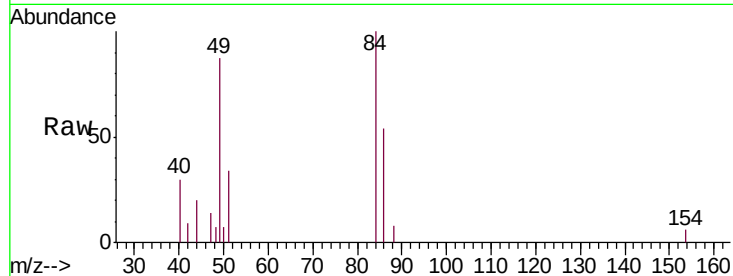




#16
Methylene chloride
Concen: 1.755 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014135.D
Acq: 26 Nov 2019 15:09

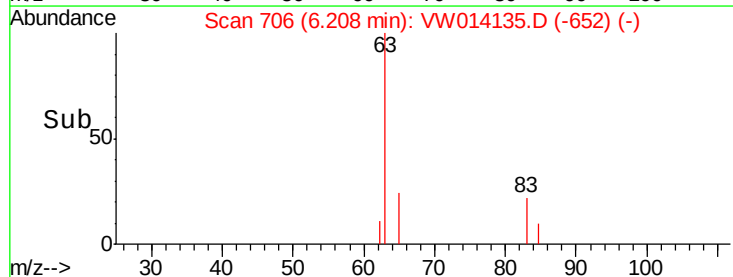
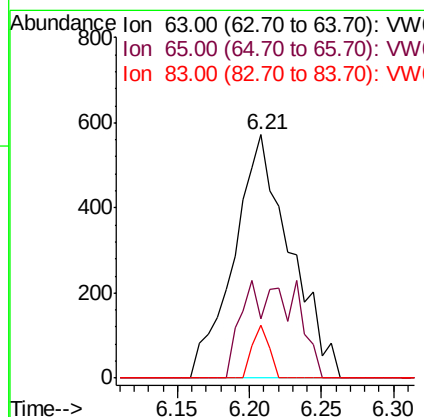
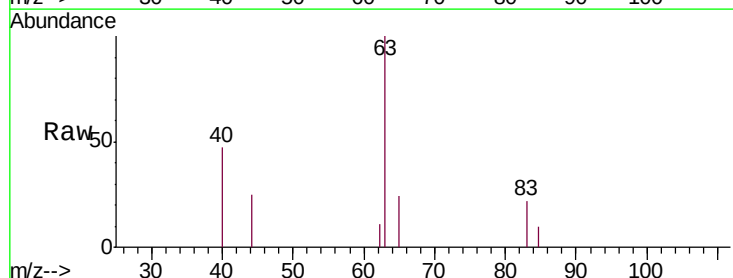
Instrument :
MSVOA_W
ClientSampled :
C0BM3RE

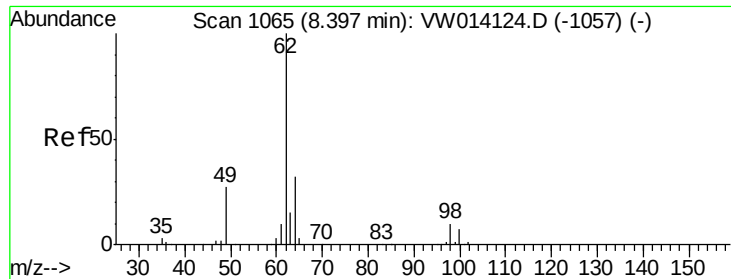
Tgt Ion: 84 Resp: 2755
Ion Ratio Lower Upper
84 100
49 87.3 84.2 156.4
86 53.9 43.7 81.1



#19
1,1-Dichloroethane
Concen: 0.643 ug/L
RT: 6.21 min Scan# 706
Delta R.T. -0.00 min
Lab File: VW014135.D
Acq: 26 Nov 2019 15:09

Tgt Ion: 63 Resp: 1555
Ion Ratio Lower Upper
63 100
65 24.1 22.1 41.1
83 21.7 9.0 16.6#





#27

1,2-Dichloroethane

Concen: 0.491 ug/L

RT: 8.27 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW014135.D

Acq: 26 Nov 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

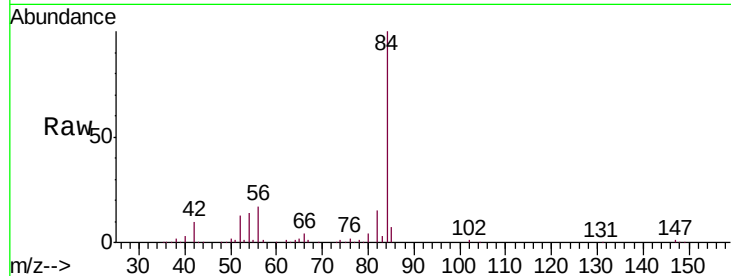
C0BM3RE

Tgt Ion: 62 Resp: 706

Ion Ratio Lower Upper

62 100

98 0.0 9.3 13.9#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.27

400

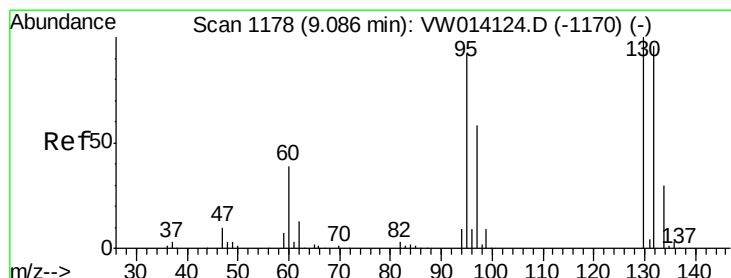
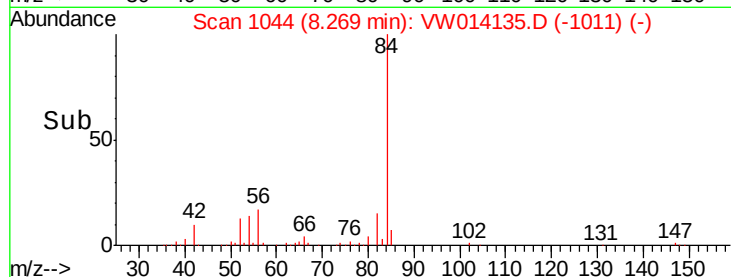
300

200

100

0

Time-->



#35

Trichloroethene

Concen: 1.576 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.24 min

Lab File: VW014135.D

Acq: 26 Nov 2019 15:09

Tgt Ion: 95 Resp: 2498

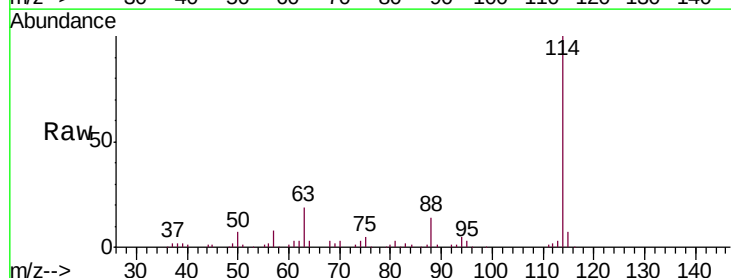
Ion Ratio Lower Upper

95 100

97 0.0 45.1 83.9#

132 0.0 73.7 136.9#

130 0.0 76.6 142.2#



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

2000

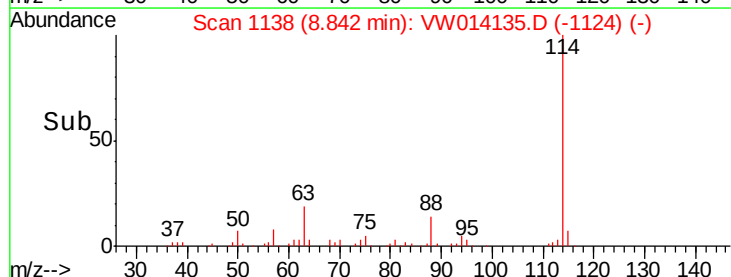
1500

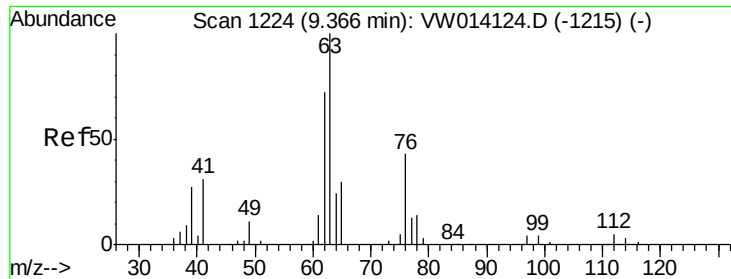
1000

500

0

Time-->

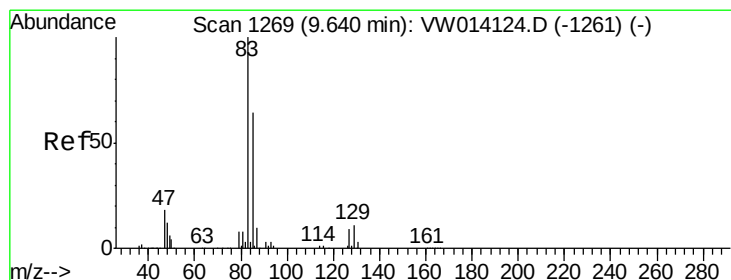
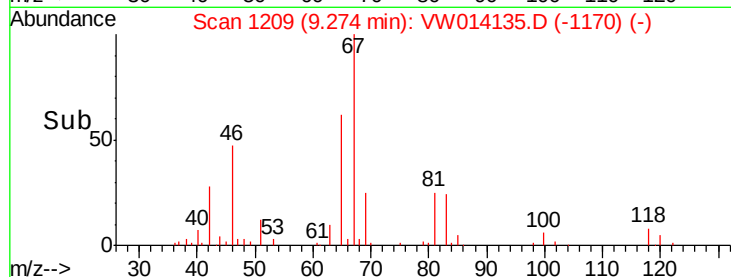
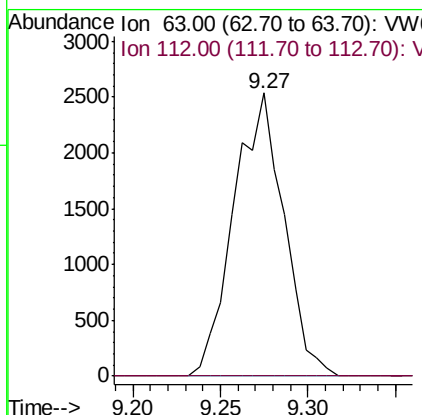
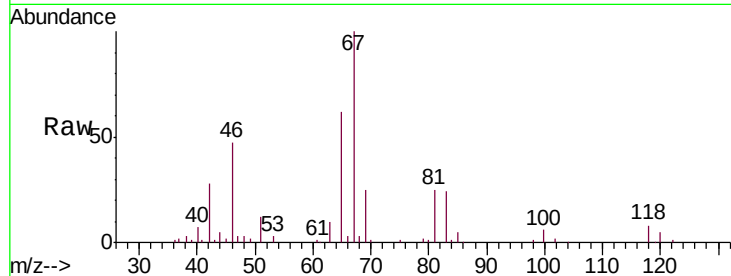




#40
 1,2-Dichloropropane
 Concen: 3.527 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.09 min
 Lab File: VW014135.D
 Acq: 26 Nov 2019 15:09

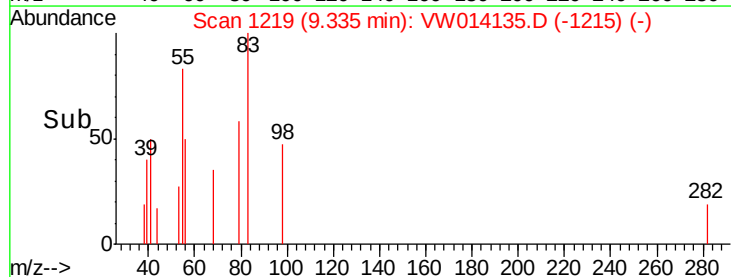
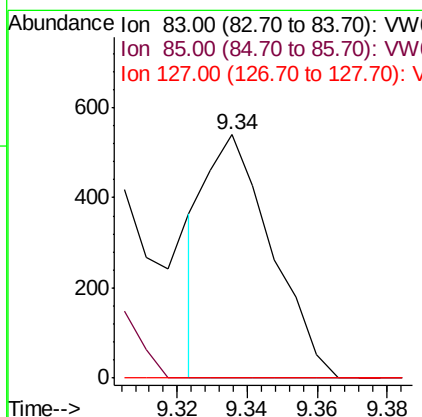
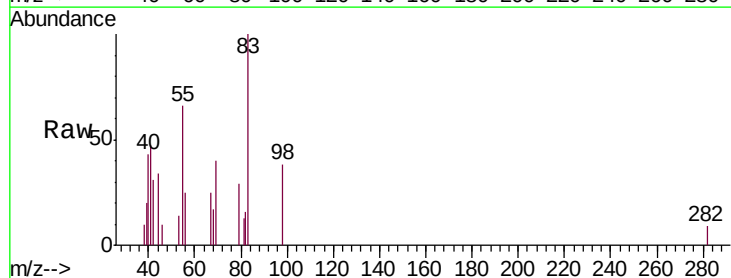
Instrument :
 MSVOA_W
 ClientSampleId :
 C0BM3RE

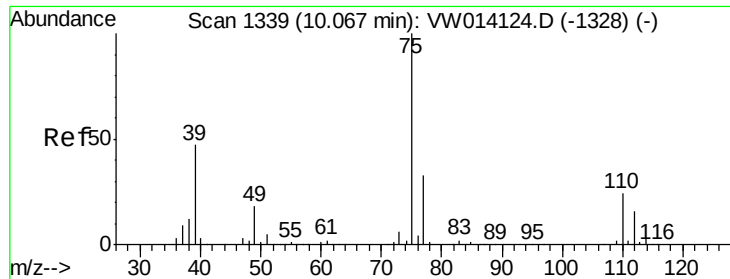
Tgt Ion: 63 Resp: 5044
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.9 5.9#



#41
 Bromodichloromethane
 Concen: 0.407 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.30 min
 Lab File: VW014135.D
 Acq: 26 Nov 2019 15:09

Tgt Ion: 83 Resp: 703
 Ion Ratio Lower Upper
 83 100
 85 0.0 45.1 83.7#
 127 0.0 7.4 11.0#





#42

cis-1,3-Dichloropropene

Concen: 0.487 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014135.D

Acq: 26 Nov 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

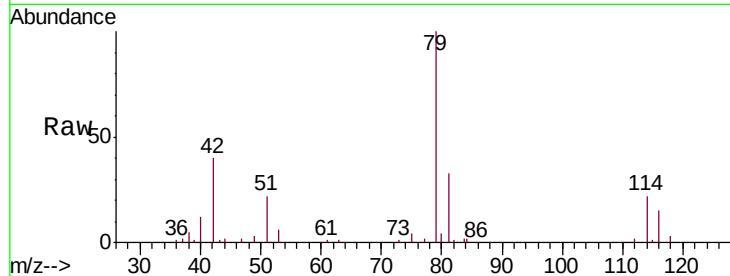
C0BM3RE

Tgt Ion: 75 Resp: 1099

Ion Ratio Lower Upper

75 100

77 48.0 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.03

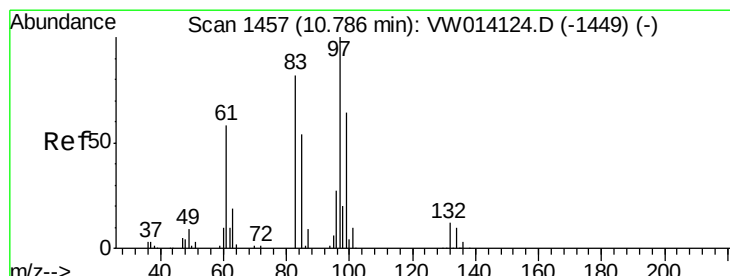
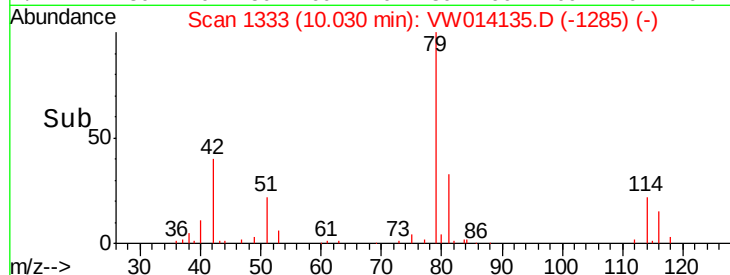
600

400

200

0

Time-->



#46

1,1,2-Trichloroethane

Concen: 0.493 ug/L

RT: 10.70 min Scan# 1443

Delta R.T. -0.09 min

Lab File: VW014135.D

Acq: 26 Nov 2019 15:09

Tgt Ion: 97 Resp: 518

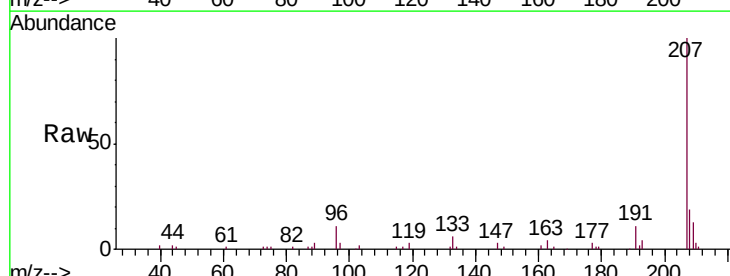
Ion Ratio Lower Upper

97 100

83 0.0 58.9 109.5#

85 0.0 38.1 70.9#

99 0.0 46.5 86.3#



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

10.70

600

500

400

300

200

100

0

Time-->

