

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021020\
 Data File : VW014944.D
 Acq On : 10 Feb 2020 15:52
 Operator : SY/VA
 Sample : L1416-01
 Misc : 5.27G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 11 00:34:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 00:31:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	41972	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	35933	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	5458	25.00	ug/L	0.01

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	15196	21.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.48%
7) Chloroethane-d5	2.89	69	19597	35.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	140.92%
10) 1,1-Dichloroethene-d2	4.03	63	25278	19.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.64%
20) 2-Butanone-d5	7.09	46	10761	55.18	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.36%
24) Chloroform-d	7.65	84	39437	33.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	132.36%
26) 1,2-Dichloroethane-d4	8.31	65	23788	36.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	144.28%#
29) Benzene-d6	8.27	84	65070	28.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.64%
33) 1,2-Dichloropropane-d6	9.27	67	25352	33.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	134.68%#
37) Toluene-d8	10.32	98	40915	20.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.48%
38) trans-1,3-Dichloropropene-	10.58	79	6362	21.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.60%
39) 2-Hexanone-d5	10.99	63	111	0.81	ug/L	0.07
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1.62%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	16977	29.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	119.76%
61) 1,2-Dichlorobenzene-d4	13.86	152	6657	31.45	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	125.80%#

Target Compounds

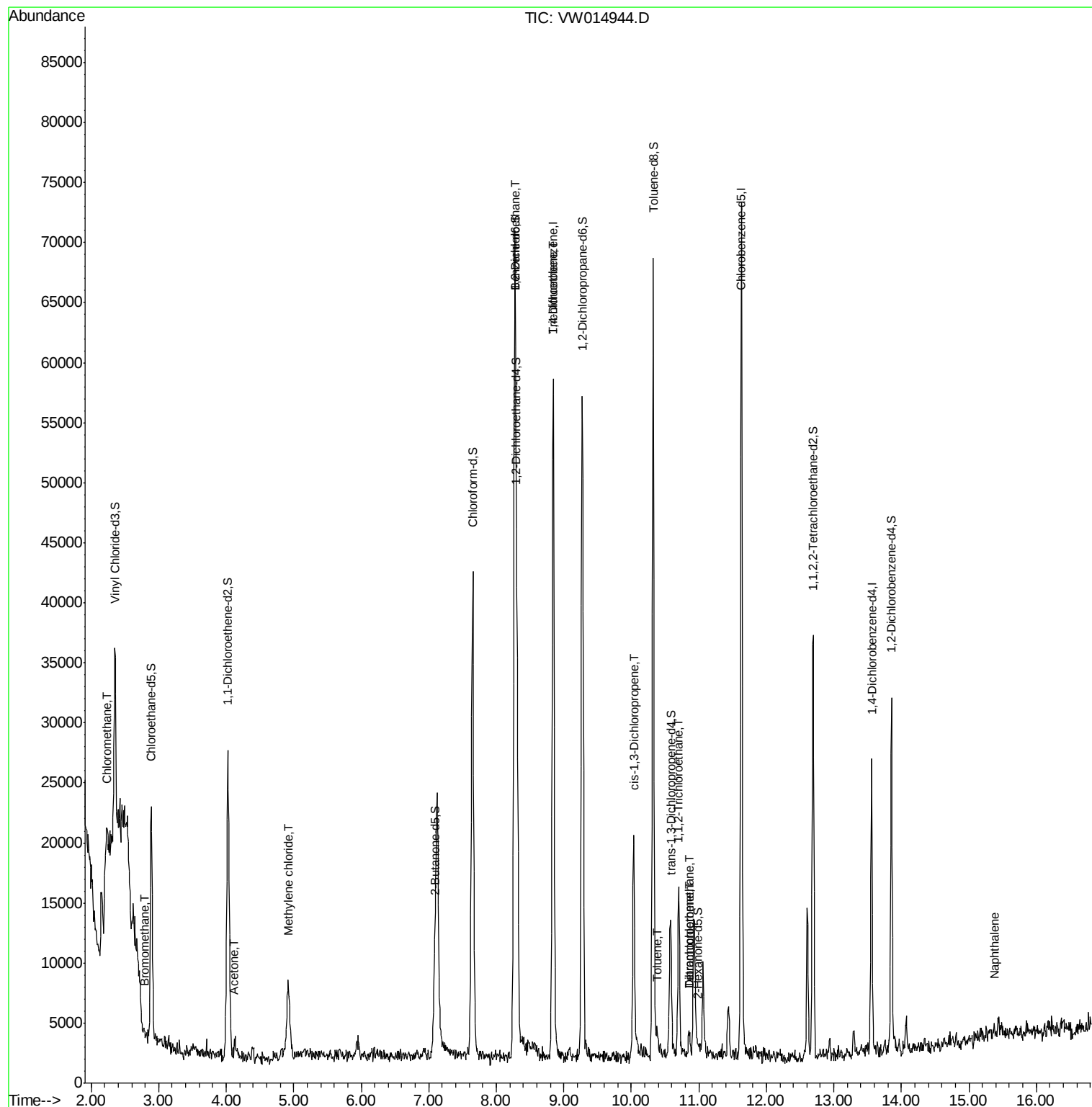
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.22	50	375	0.574	ug/L #	5
6) Bromomethane	2.80	94	176	0.412	ug/L	78
13) Acetone	4.12	43	1866	9.271	ug/L	73
16) Methylene chloride	4.91	84	2243	2.933	ug/L	85
27) 1,2-Dichloroethane	8.28	62	531	0.686	ug/L #	75
35) Trichloroethene	8.85	95	1374	2.243	ug/L #	8
42) cis-1,3-Dichloropropene	10.03	75	647	0.689	ug/L	99
44) Toluene	10.38	91	987	0.393	ug/L	86
46) 1,1,2-Trichloroethane	10.69	97	251	0.577	ug/L #	15
47) Tetrachloroethene	10.87	164	309	0.687	ug/L #	75
50) Dibromochloromethane	10.87	129	383	0.819	ug/L #	11
69) Naphthalene	15.38	128	244	0.595	ug/L #	69

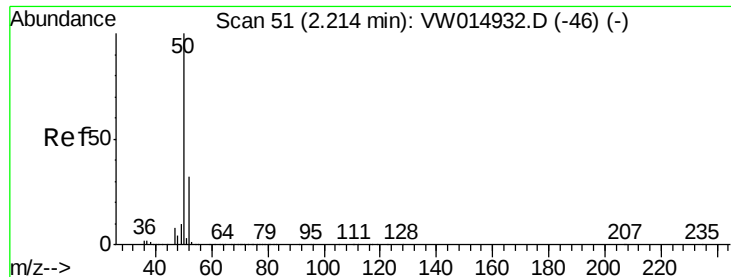
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_W
ClientSampled :

Quant Time: Feb 11 00:34:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 11 00:31:29 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.574 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW014944.D

Acq: 10 Feb 2020 15:52

Instrument :

MSVOA_W

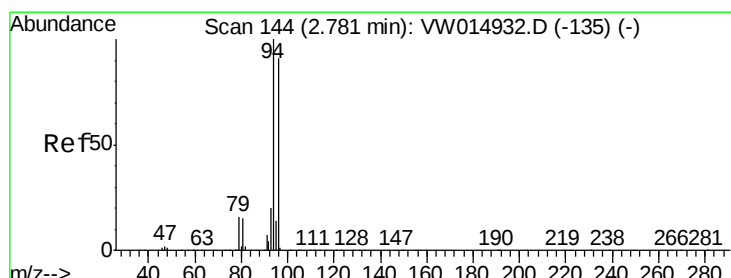
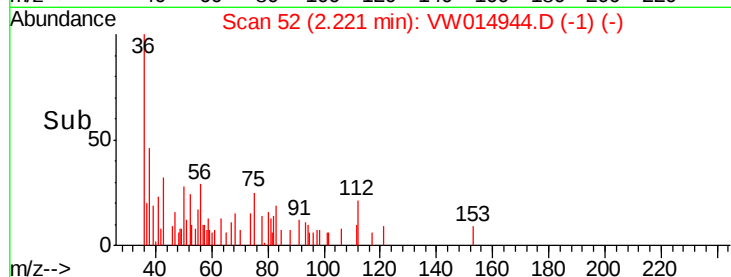
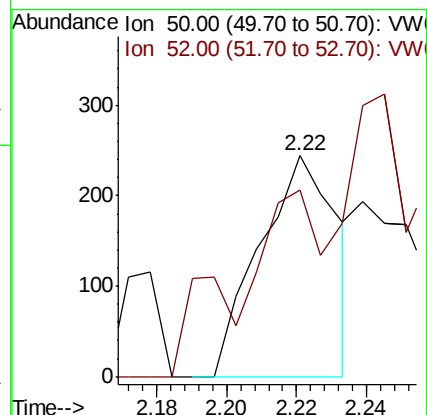
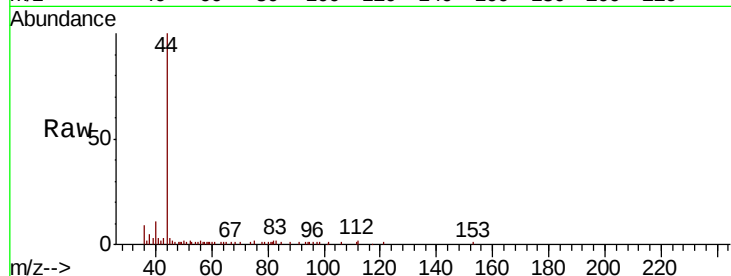
ClientSampled :

Tot Ion: 50 Resp: 375

Ion Ratio Lower Upper

50 100

52 84.4 22.1 41.1#



#6

Bromomethane

Concen: 0.412 ug/L

RT: 2.80 min Scan# 147

Delta R.T. 0.02 min

Lab File: VW014944.D

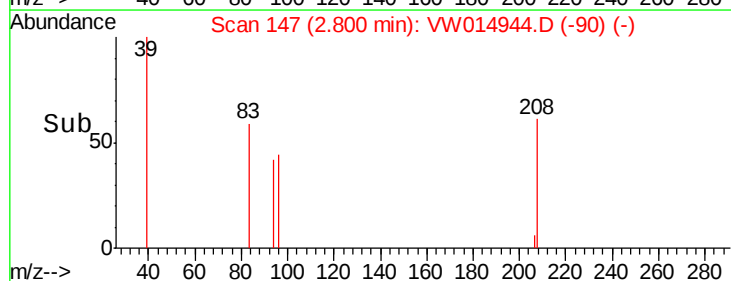
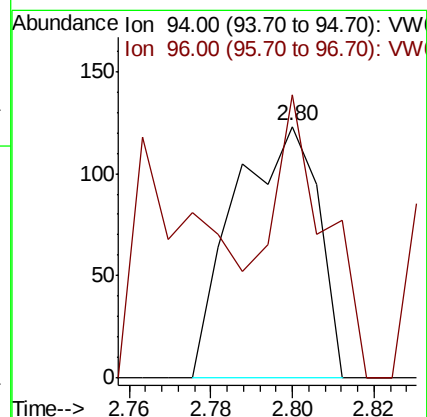
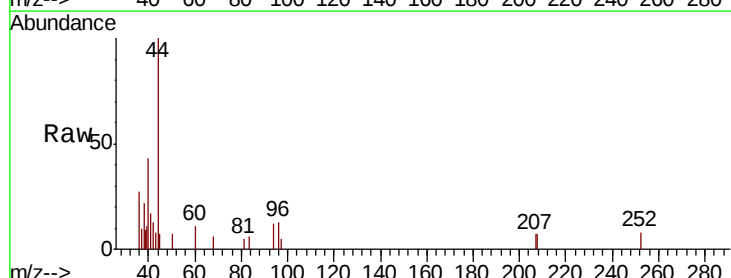
Acq: 10 Feb 2020 15:52

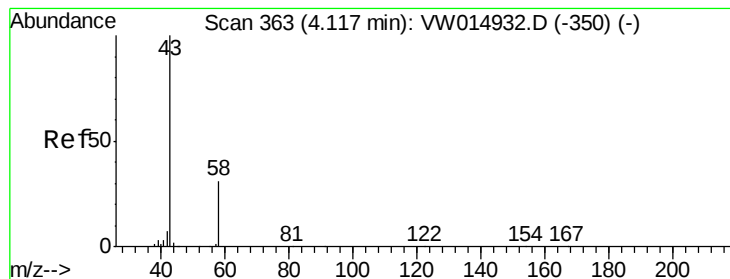
Tgt Ion: 94 Resp: 176

Ion Ratio Lower Upper

94 100

96 72.7 9.4 178.0





#13

Acetone

Concen: 9.271 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014944.D

Acq: 10 Feb 2020 15:52

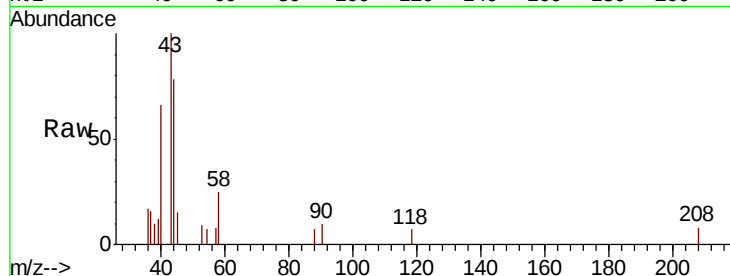
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1866

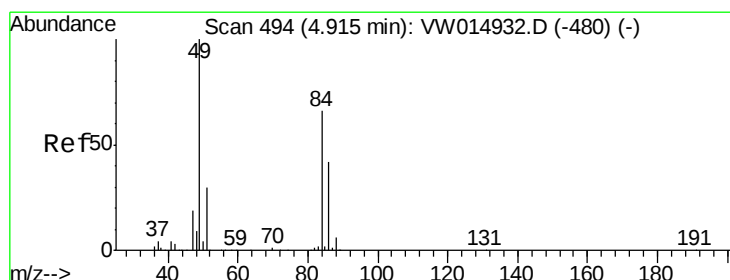
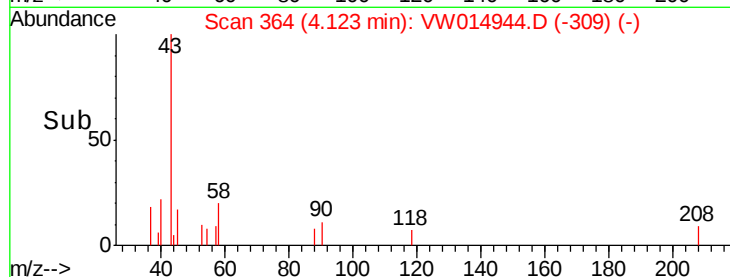
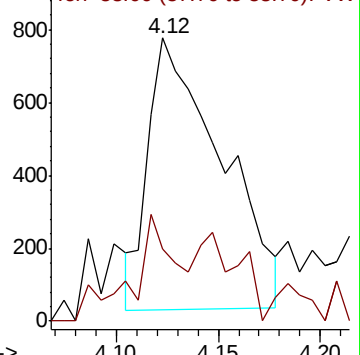
Ion Ratio Lower Upper

43 100

58 15.4 0.0 60.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 2.933 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW014944.D

Acq: 10 Feb 2020 15:52

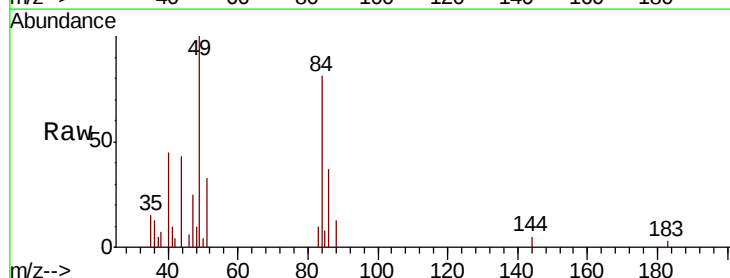
Tgt Ion: 84 Resp: 2243

Ion Ratio Lower Upper

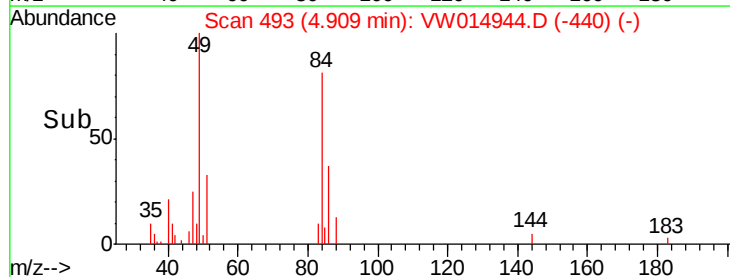
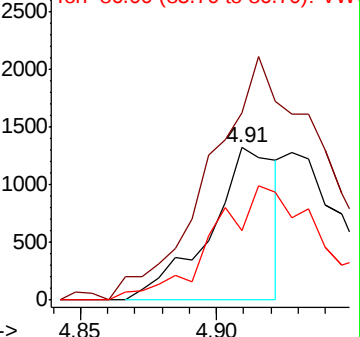
84 100

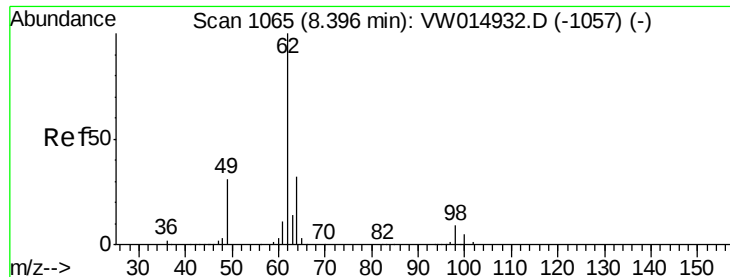
49 123.2 95.8 177.8

86 45.9 44.2 82.2



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

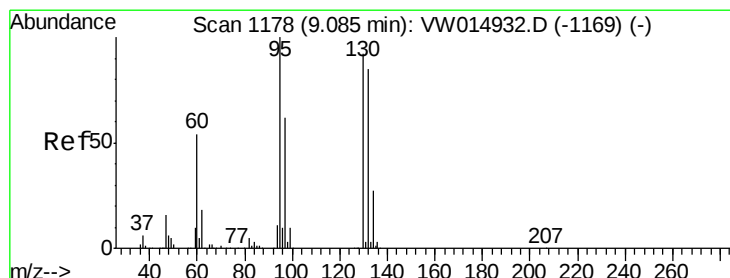
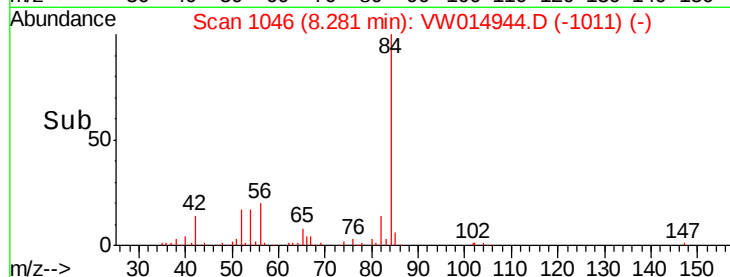
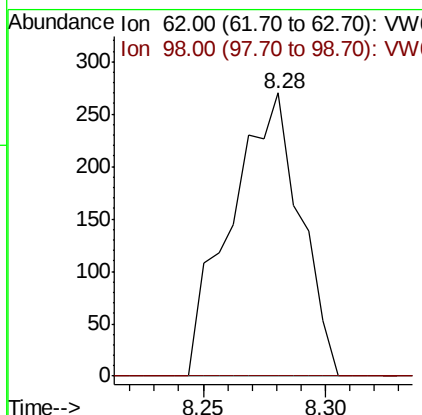
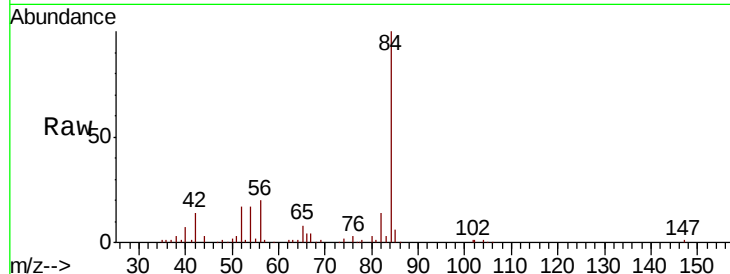




#27
 1,2-Dichloroethane
 Concen: 0.686 ug/L
 RT: 8.28 min Scan# 1046
 Delta R.T. -0.12 min
 Lab File: VW014944.D
 Acq: 10 Feb 2020 15:52

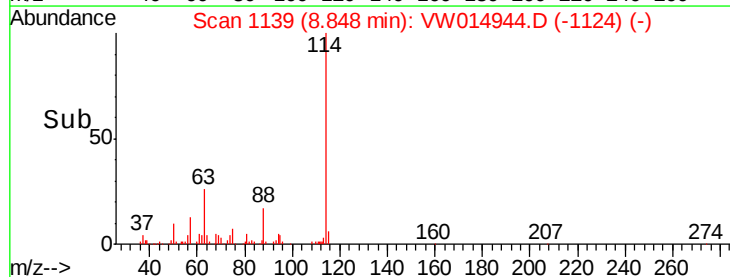
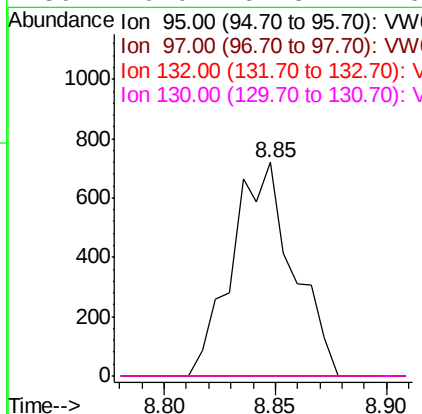
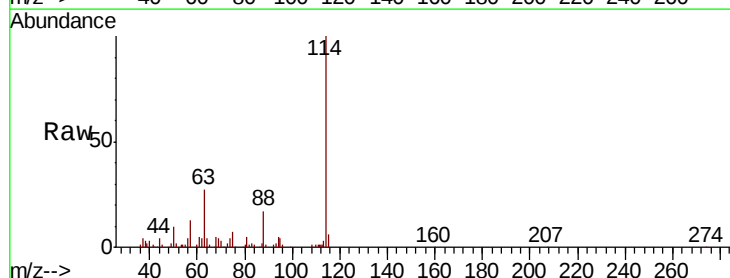
Instrument :
 MSVOA_W
 ClientSampleId :

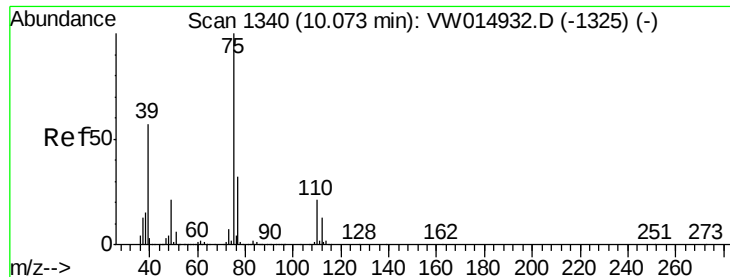
Tot Ion: 62 Resp: 531
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



#35
 Trichloroethene
 Concen: 2.243 ug/L
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.24 min
 Lab File: VW014944.D
 Acq: 10 Feb 2020 15:52

Tgt Ion: 95 Resp: 1374
 Ion Ratio Lower Upper
 95 100
 97 2.8 44.4 82.5#
 132 0.0 63.6 118.0#
 130 0.0 67.3 124.9#





#42

cis-1,3-Dichloropropene

Concen: 0.689 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014944.D

Acq: 10 Feb 2020 15:52

Instrument :

MSVOA_W

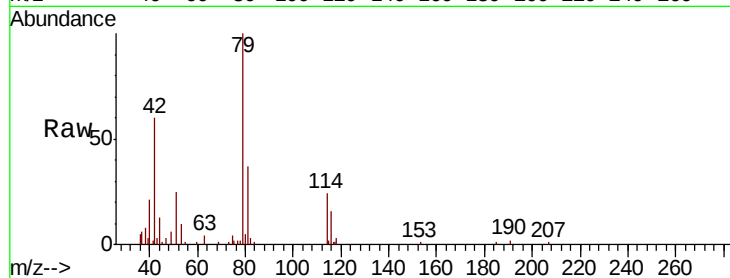
ClientSampleId :

Tot Ion: 75 Resp: 647

Ion Ratio Lower Upper

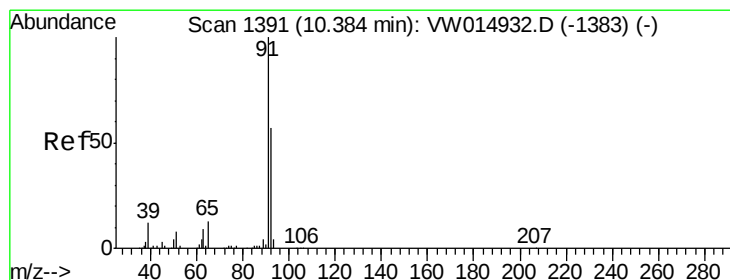
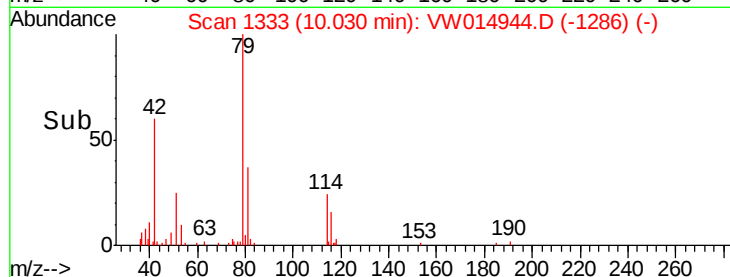
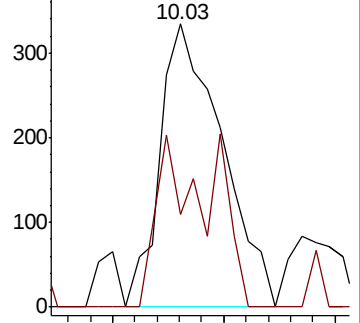
75 100

77 32.9 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#44

Toluene

Concen: 0.393 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014944.D

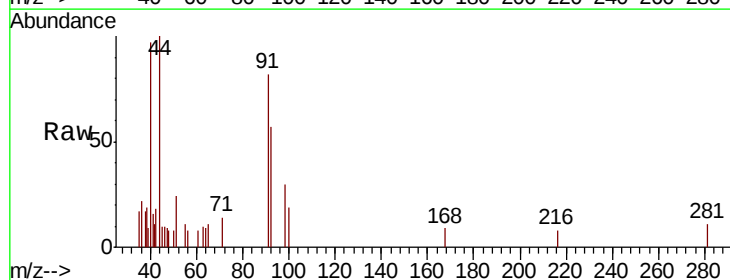
Acq: 10 Feb 2020 15:52

Tgt Ion: 91 Resp: 987

Ion Ratio Lower Upper

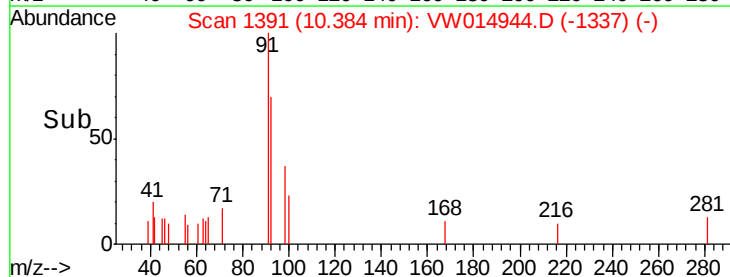
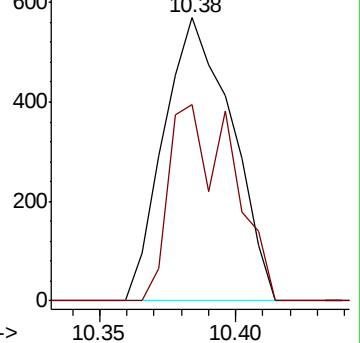
91 100

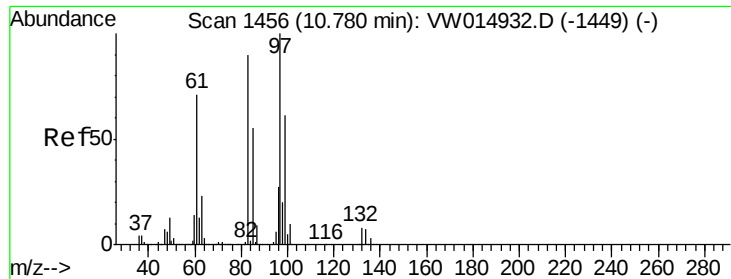
92 69.6 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

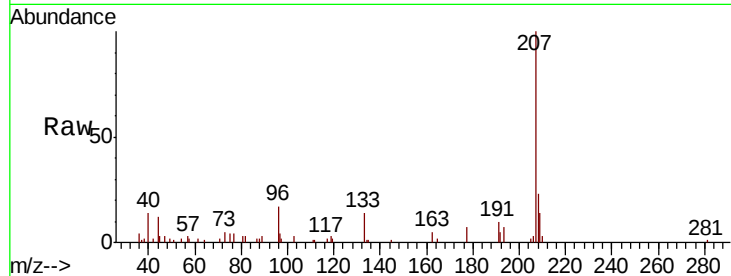




#46
1,1,2-Trichloroethane
Concen: 0.577 ug/L
RT: 10.69 min Scan# 1442
Delta R.T. -0.09 min
Lab File: VW014944.D
Acq: 10 Feb 2020 15:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	97	Resp:	251
Ion	Ratio	Lower	Upper
97	100		
83	0.0	60.8	112.8#
85	0.0	39.9	74.1#
99	0.0	42.8	79.6#



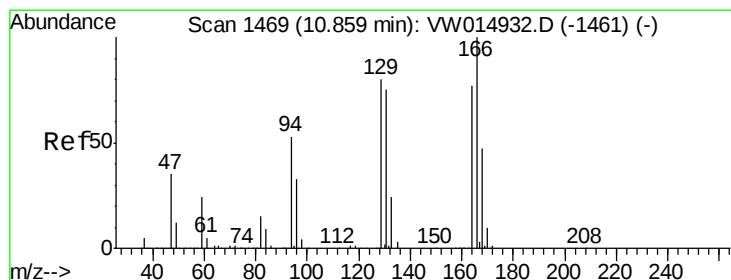
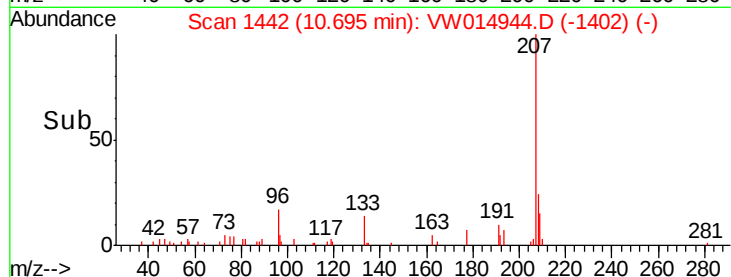
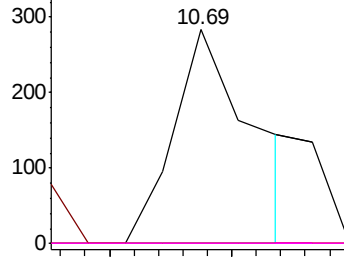
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

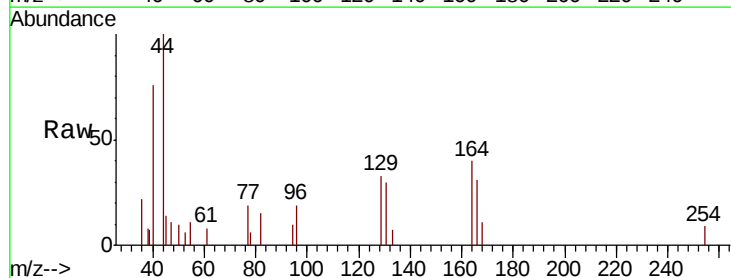
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 0.687 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW014944.D
Acq: 10 Feb 2020 15:52

Tgt Ion:	164	Resp:	309
Ion	Ratio	Lower	Upper
164	100		
129	82.7	67.5	125.4
131	76.4	64.0	119.0
166	78.5	87.0	161.6#



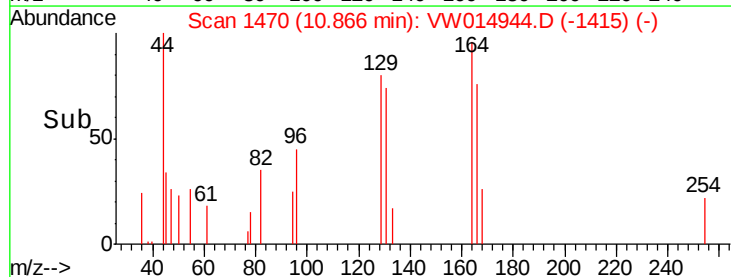
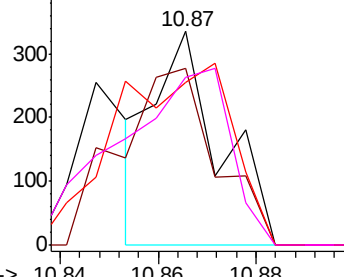
Abundance

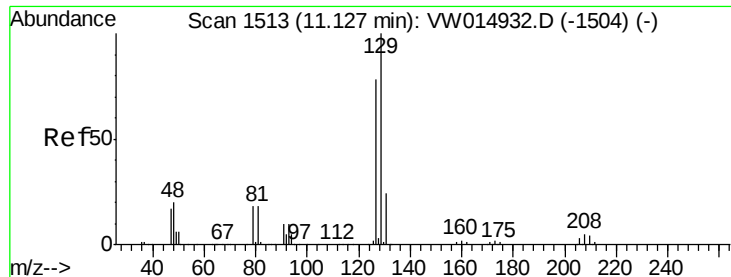
Ion 164.00 (163.70 to 164.70): V

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: 0.819 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW014944.D

Acq: 10 Feb 2020 15:52

Instrument :

MSVOA_W

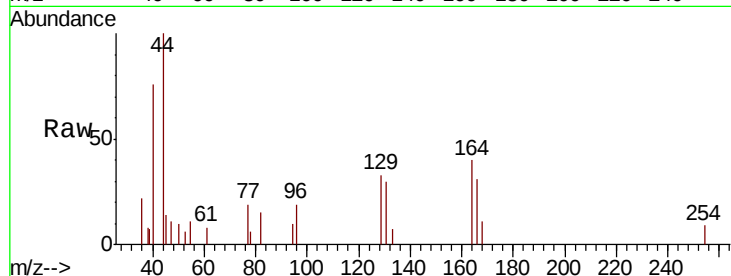
ClientSampleId :

Tot Ion:129 Resp: 383

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.87

250

200

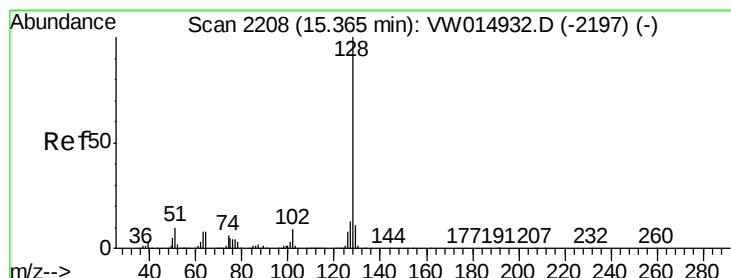
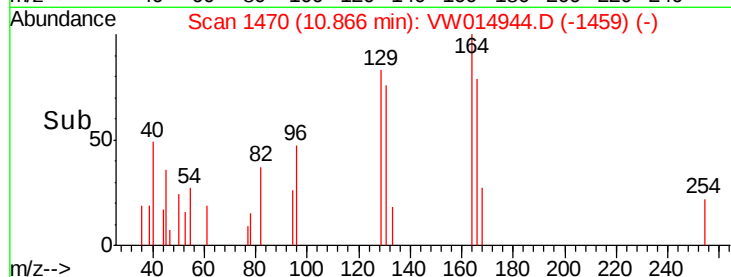
150

100

50

0

Time--> 10.82 10.84 10.86 10.88



#69

Naphthalene

Concen: 0.595 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW014944.D

Acq: 10 Feb 2020 15:52

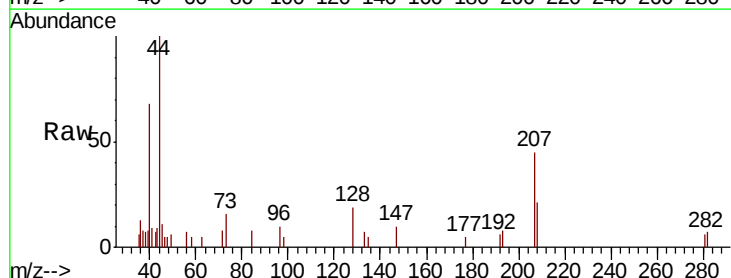
Tgt Ion:128 Resp: 244

Ion Ratio Lower Upper

128 100

129 0.0 8.7 13.1#

127 0.0 10.5 15.7#



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

15.38

250

200

150

100

50

0

Time--> 15.36 15.38 15.40

