

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\
 Data File : VW004381.D
 Acq On : 01 Aug 2018 17:04
 Operator : SY/AP
 Sample : J4209-11
 Misc : 6.26G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AC7

Quant Time: Aug 02 03:57:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 02 03:56:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	63351	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	64202	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	30918	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	12507	25.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.36%
7) Chloroethane-d5	2.89	69	13914	28.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.16%
10) 1,1-Dichloroethene-d2	4.00	63	26946	18.91	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.64%
20) 2-Butanone-d5	7.09	46	15105	49.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.72%
24) Chloroform-d	7.65	84	56201	35.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	143.56%
26) 1,2-Dichloroethane-d4	8.31	65	44943	51.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	205.00%#
29) Benzene-d6	8.28	84	93455	28.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.76%
33) 1,2-Dichloropropane-d6	9.28	67	40656	39.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	158.32%#
37) Toluene-d8	10.33	98	83737	26.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.72%
38) trans-1,3-Dichloropropene-	10.58	79	14380	28.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	115.88%
39) 2-Hexanone-d5	10.93	63	16696	63.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.62%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	59539	55.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	221.96%#
61) 1,2-Dichlorobenzene-d4	13.86	152	29749	25.17	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.68%

Target Compounds

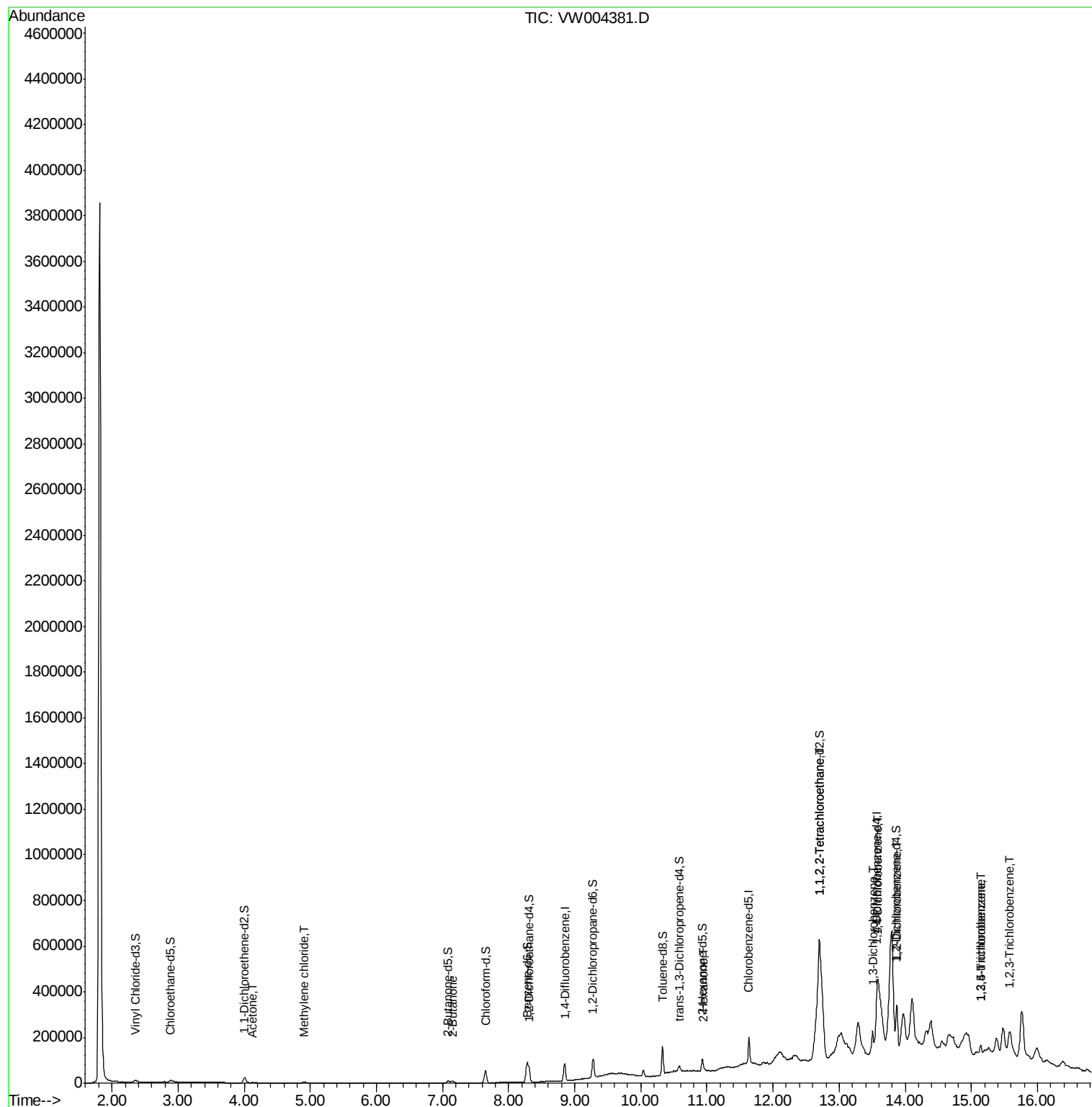
					Ovalue
13) Acetone	4.12	43	3202	11.958 ug/L	75
16) Methylene chloride	4.92	84	4778	4.772 ug/L	90
21) 2-Butanone	7.15	43	6012	16.475 ug/L #	46
49) 2-Hexanone	10.96	43	6205	11.046 ug/L #	41
58) 1,1,2,2-Tetrachloroethane	12.71	83	152257	144.046 ug/L #	33
63) 1,3-Dichlorobenzene	13.51	146	30275	15.181 ug/L	93
64) 1,4-Dichlorobenzene	13.59	146	33034	16.100 ug/L #	78
65) 1,2-Dichlorobenzene	13.88	146	68095	36.118 ug/L #	93
67) 1,3,5-Trichlorobenzene	15.15	180	10773	6.814 ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	10773	8.023 ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	4120	3.316 ug/L #	90

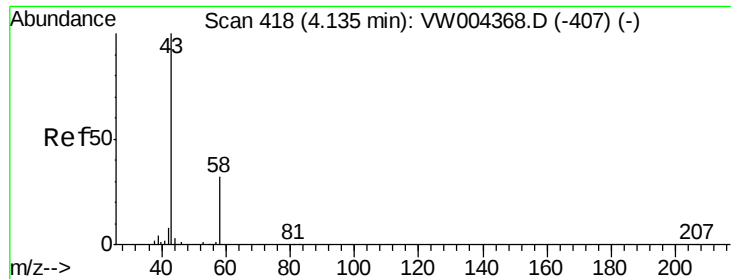
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 11.958 ug/L

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW004381.D

Acq: 01 Aug 2018 17:04

Instrument :

MSVOA_W

ClientSampled :

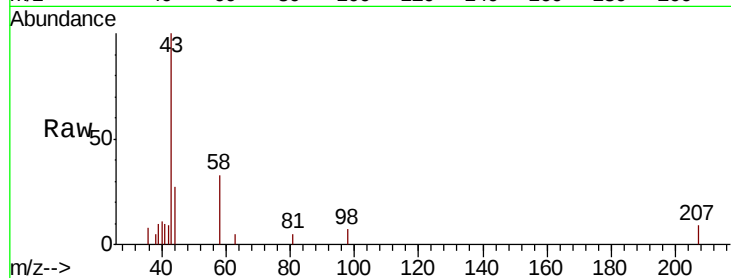
C0AC7

Tot Ion: 43 Resp: 3202

Ion Ratio Lower Upper

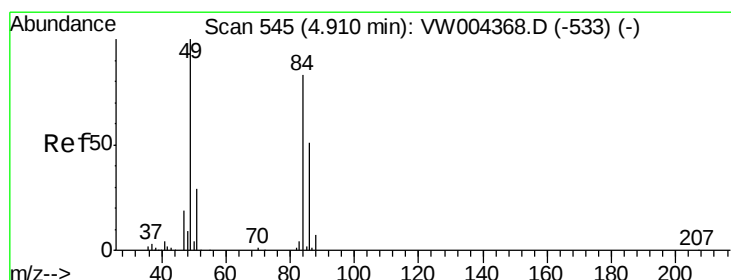
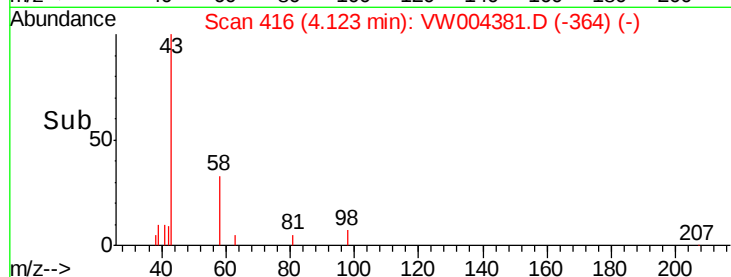
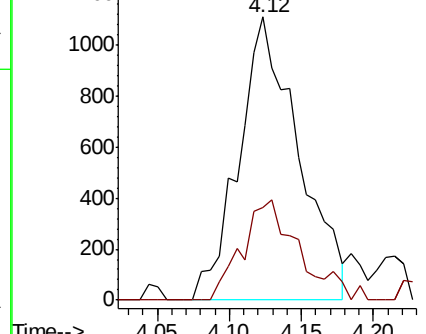
43 100

58 18.5 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 4.772 ug/L

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW004381.D

Acq: 01 Aug 2018 17:04

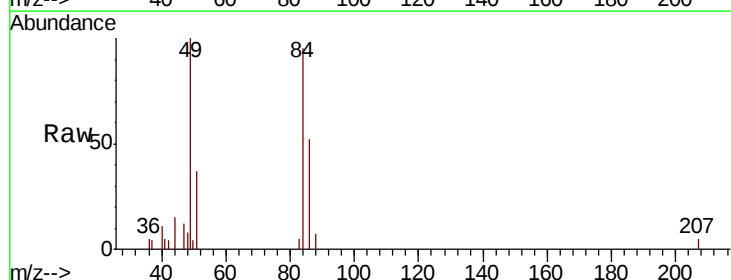
Tgt Ion: 84 Resp: 4778

Ion Ratio Lower Upper

84 100

49 105.5 79.5 147.7

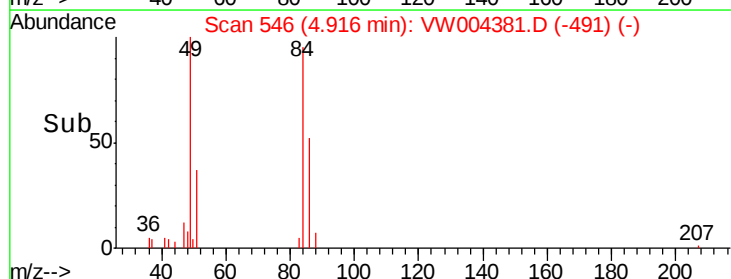
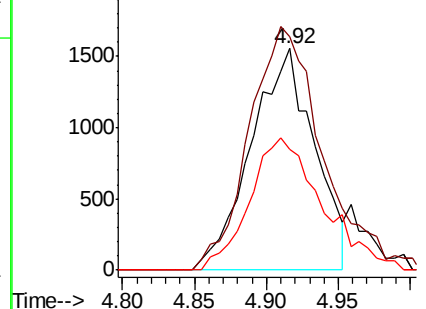
86 54.3 45.8 85.2

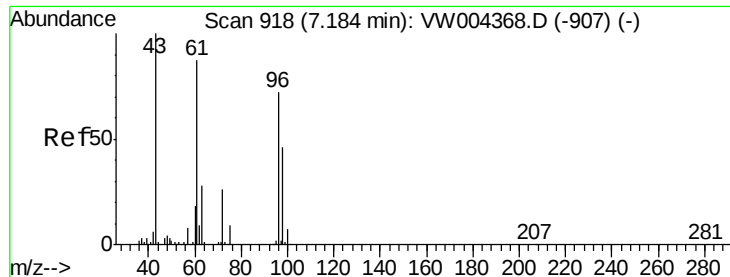


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

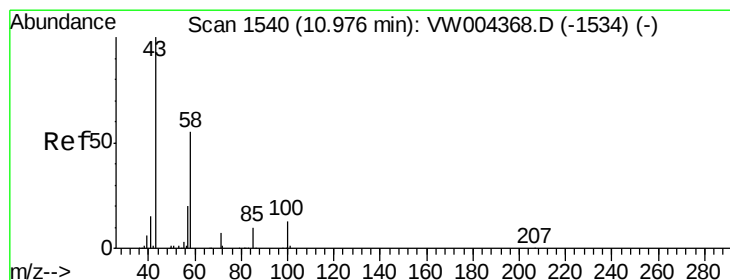
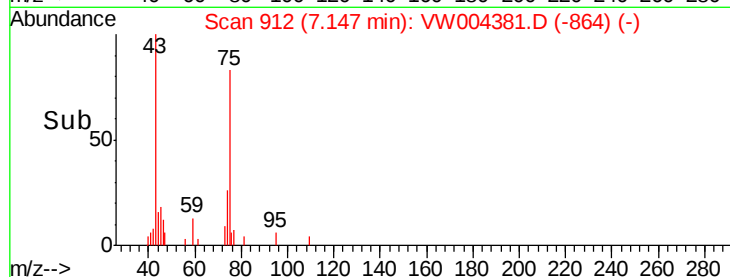
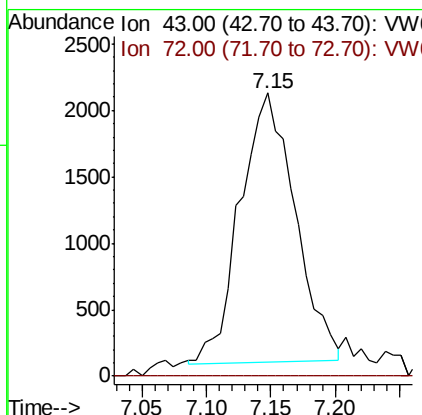
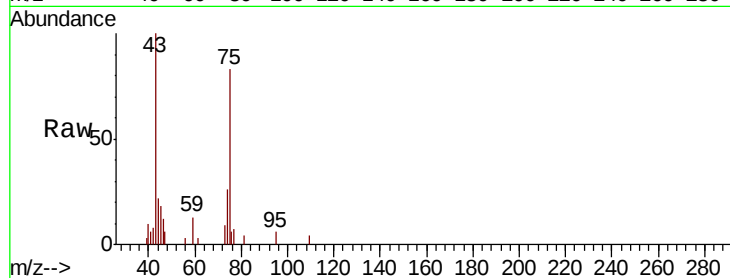




#21
2-Butanone
Concen: 16.475 ug/L
RT: 7.15 min Scan# 912
Delta R.T. -0.04 min
Lab File: VW004381.D
Acq: 01 Aug 2018 17:04

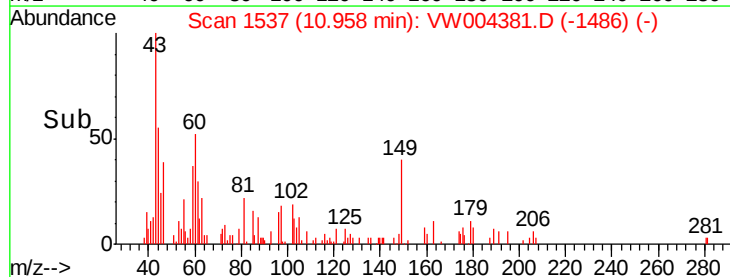
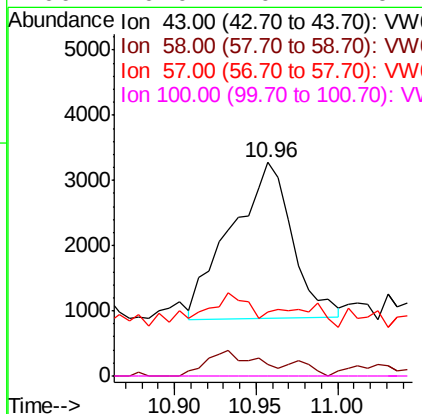
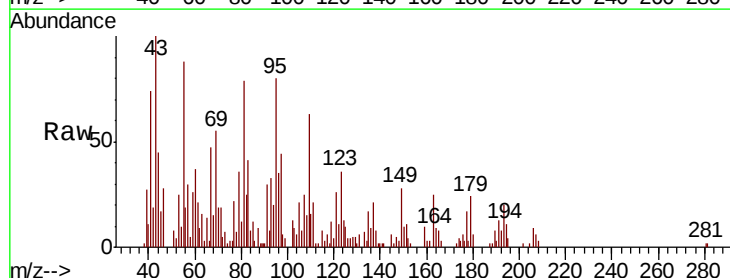
Instrument :
MSVOA_W
ClientSampleId :
C0AC7

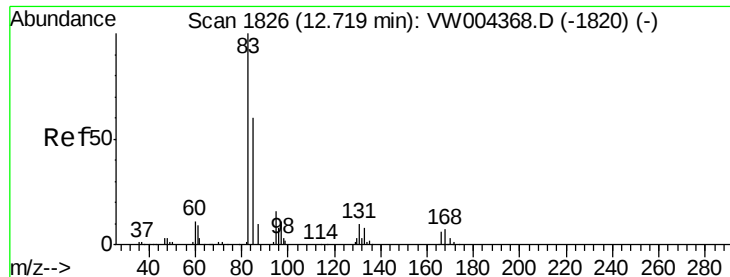
Tot Ion: 43 Resp: 6012
Ion Ratio Lower Upper
43 100
72 0.0 14.4 43.2#



#49
2-Hexanone
Concen: 11.046 ug/L
RT: 10.96 min Scan# 1537
Delta R.T. -0.02 min
Lab File: VW004381.D
Acq: 01 Aug 2018 17:04

Tgt Ion: 43 Resp: 6205
Ion Ratio Lower Upper
43 100
58 3.4 44.0 66.0#
57 0.0 16.0 24.0#
100 0.0 10.7 16.1#





#58

1,1,2,2-Tetrachloroethane

Concen: 144.046 ug/L

RT: 12.71 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VW004381.D

Acq: 01 Aug 2018 17:04

Instrument :

MSVOA_W

ClientSampleId :

C0AC7

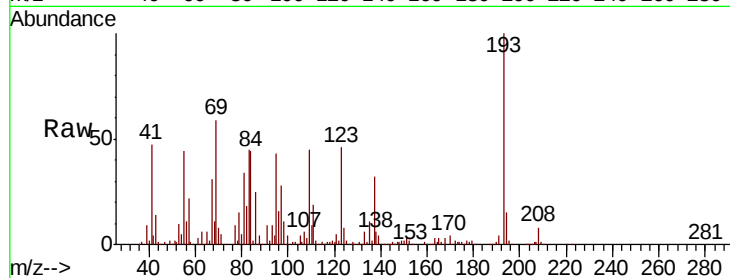
Tot Ion: 83 Resp: 152257

Ion Ratio Lower Upper

83 100

85 4.5 44.3 82.3#

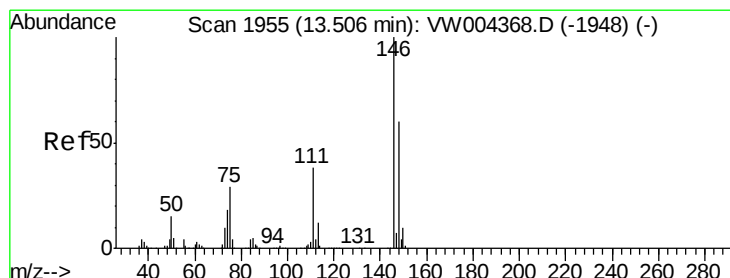
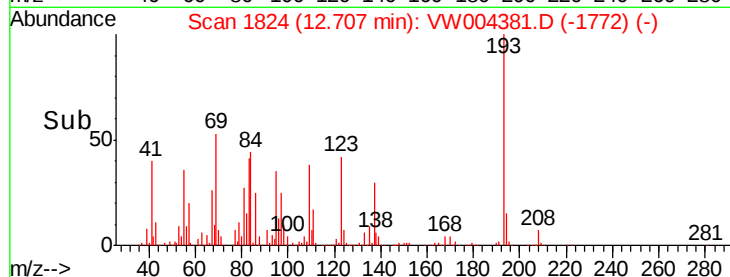
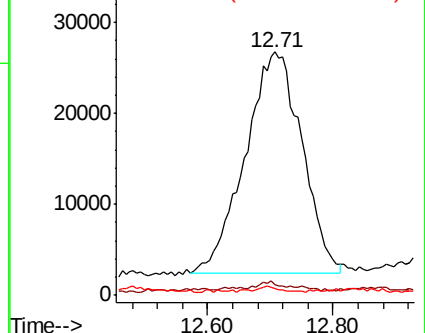
131 2.9 9.1 13.7#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V



#63

1,3-Dichlorobenzene

Concen: 15.181 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004381.D

Acq: 01 Aug 2018 17:04

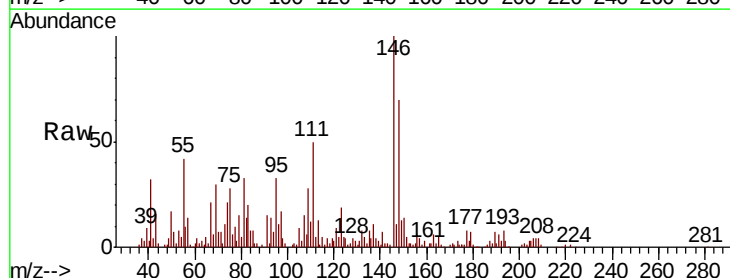
Tgt Ion: 146 Resp: 30275

Ion Ratio Lower Upper

146 100

111 50.5 28.6 53.2

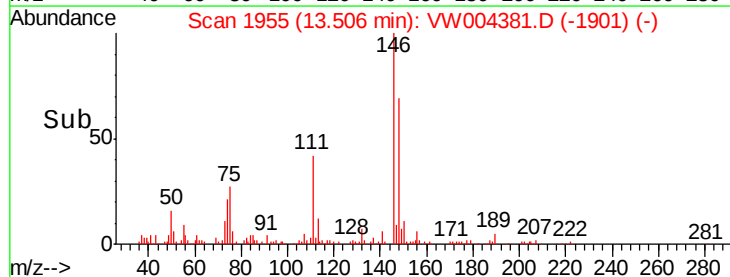
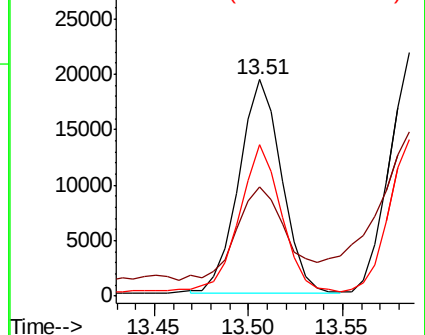
148 70.1 47.7 88.5

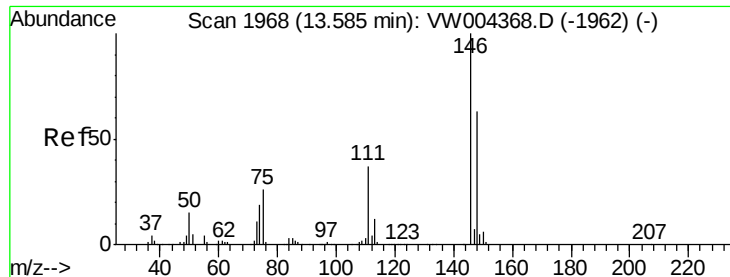


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 16.100 ug/L

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004381.D

Acq: 01 Aug 2018 17:04

Instrument :

MSVOA_W

ClientSampled :

C0AC7

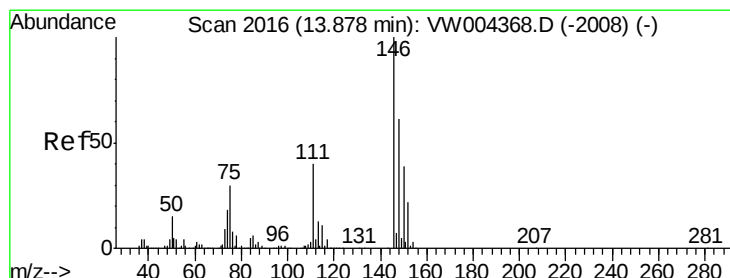
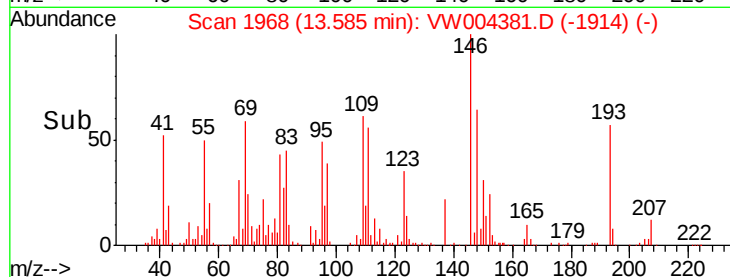
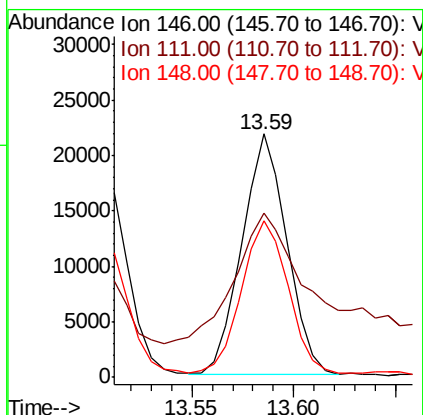
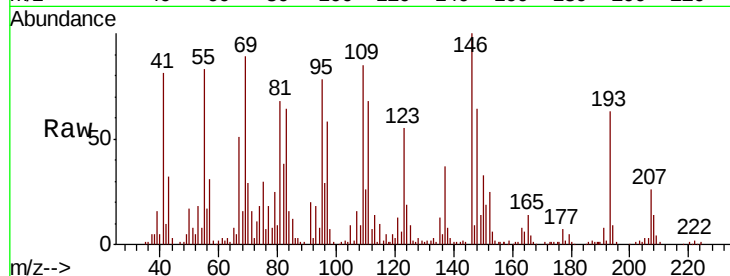
Tot Ion:146 Resp: 33034

Ion Ratio Lower Upper

146 100

111 67.5 25.4 47.2#

148 64.3 42.8 79.6



#65

1,2-Dichlorobenzene

Concen: 36.118 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004381.D

Acq: 01 Aug 2018 17:04

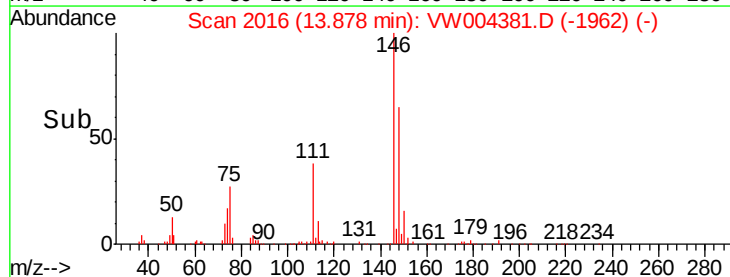
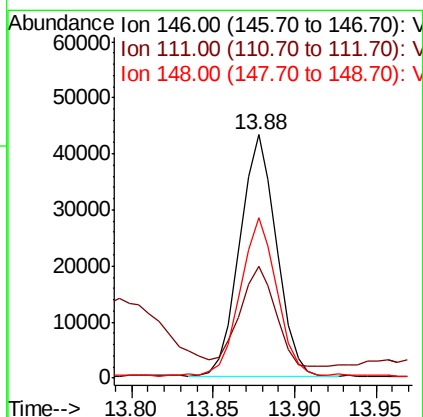
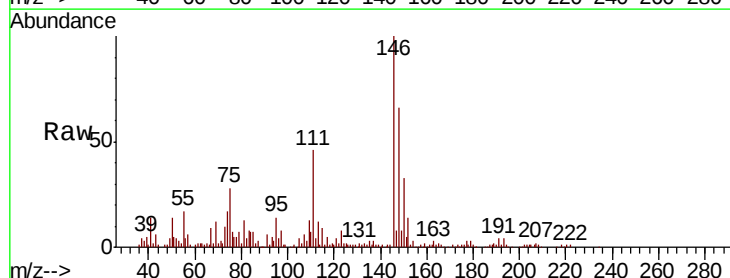
Tgt Ion:146 Resp: 68095

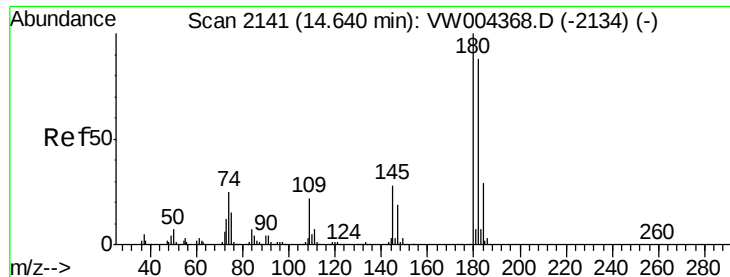
Ion Ratio Lower Upper

146 100

111 45.8 30.2 45.4#

148 65.9 51.0 76.4

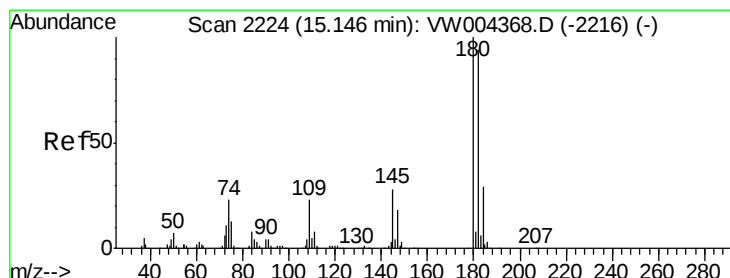
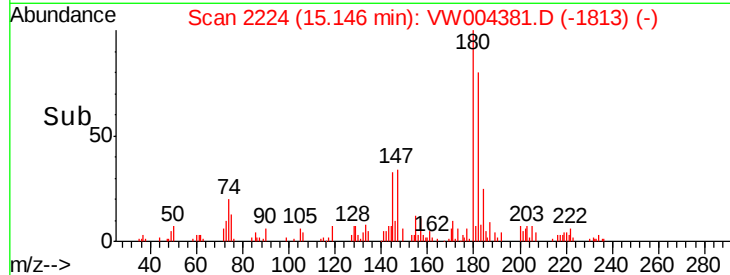
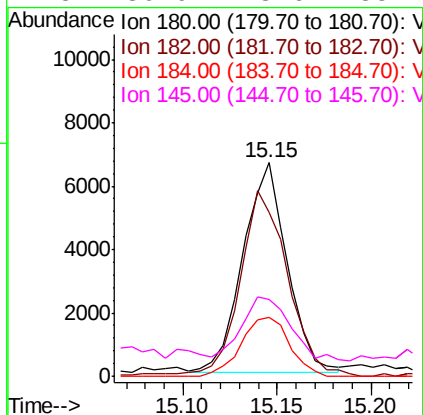
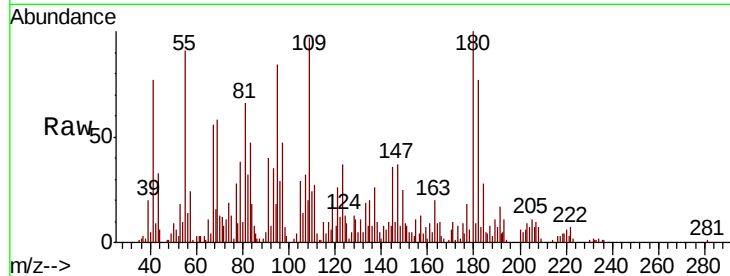




#67
 1,3,5-Trichlorobenzene
 Concen: 6.814 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.51 min
 Lab File: VW004381.D
 Acq: 01 Aug 2018 17:04

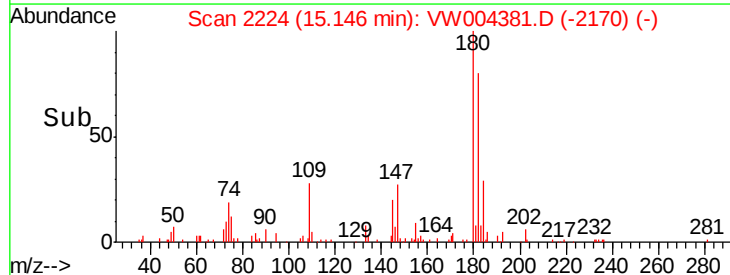
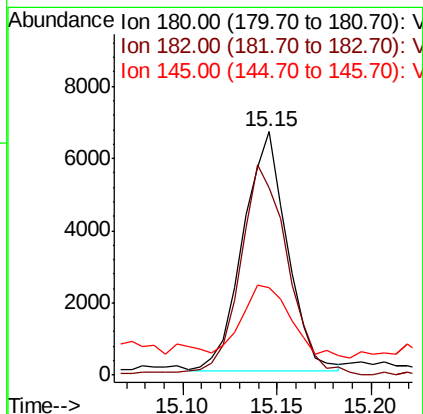
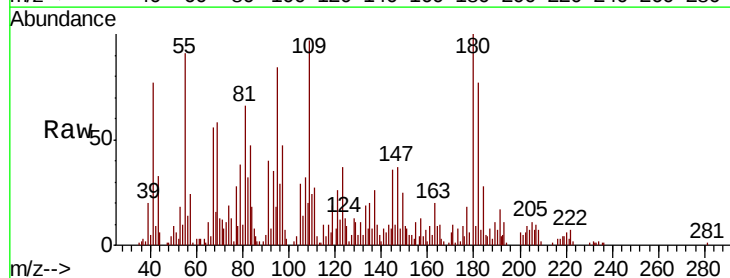
Instrument :
 MSVOA_W
 ClientSampleId :
 C0AC7

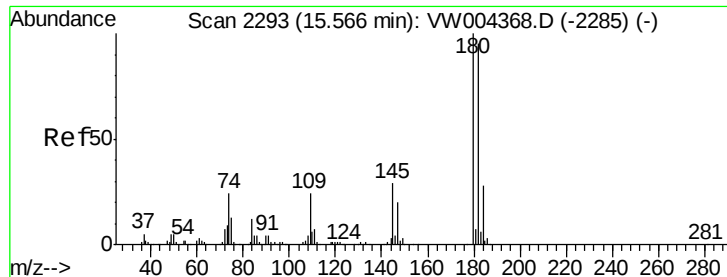
Tot Ion:180 Resp: 10773
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.7 116.5
 184 30.8 24.6 37.0
 145 30.9 23.6 35.4



#68
 1,2,4-trichlorobenzene
 Concen: 8.023 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004381.D
 Acq: 01 Aug 2018 17:04

Tgt Ion:180 Resp: 10773
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.5 113.3
 145 30.1 24.2 36.2





#70
 1,2,3-Trichlorobenzene
 Concen: 3.316 ug/L
 RT: 15.57 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VW004381.D
 Acq: 01 Aug 2018 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AC7

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.8	77.0	115.4
145	50.3	25.4	38.0

