

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102920\
 Data File : VW017022.D
 Acq On : 29 Oct 2020 11:54
 Operator : SY/VA
 Sample : L4502-18RE
 Misc : 5.02G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 30 01:10:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 01:03:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	617533	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	511854	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	202772	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	139016	19.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.04%
7) Chloroethane-d5	2.89	69	110468	20.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.00%
10) 1,1-Dichloroethene-d2	4.02	63	202832	14.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.52%
20) 2-Butanone-d5	7.08	46	48881	36.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.82%
24) Chloroform-d	7.65	84	275850	19.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.48%
26) 1,2-Dichloroethane-d4	8.31	65	128880	19.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.92%
29) Benzene-d6	8.27	84	578513	22.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.00%
33) 1,2-Dichloropropane-d6	9.27	67	156977	22.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.48%
37) Toluene-d8	10.33	98	538168	21.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.96%
38) trans-1,3-Dichloropropene-	10.58	79	60005	19.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.68%
39) 2-Hexanone-d5	10.93	63	39289	39.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	100633	18.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	74.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	150218	21.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.32%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	4.04	96	6162	0.762 ug/L #	1
13) Acetone	4.14	43	5758	6.374 ug/L	96
14) Carbon disulfide	4.39	76	10498	0.428 ug/L	99
16) Methylene chloride	4.92	84	7670	0.939 ug/L	96
21) 2-Butanone	7.18	43	1097	0.726 ug/L	80
22) cis-1,2-Dichloroethene	7.17	96	5642	0.660 ug/L	92
34) Benzene	8.32	78	33236	1.175 ug/L	100
35) Trichloroethene	9.09	95	812350	103.731 ug/L	99
40) 1,2-Dichloropropane	9.27	63	17033	2.697 ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	4350	0.441 ug/L #	64
43) 4-Methyl-2-pentanone	10.21	43	2681	0.896 ug/L	98
45) trans-1,3-Dichloropropene	10.58	75	2587	0.316 ug/L #	78
47) Tetrachloroethene	10.86	164	6454077	895.931 ug/L	91
64) 1,4-Dichlorobenzene	13.58	146	3535	0.271 ug/L	90
65) 1,2-Dichlorobenzene	13.87	146	3653	0.317 ug/L #	83

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MSVOA_W
ClientSampleId :

Quant Time: Oct 30 01:10:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 30 01:03:22 2020
Response via : Initial Calibration

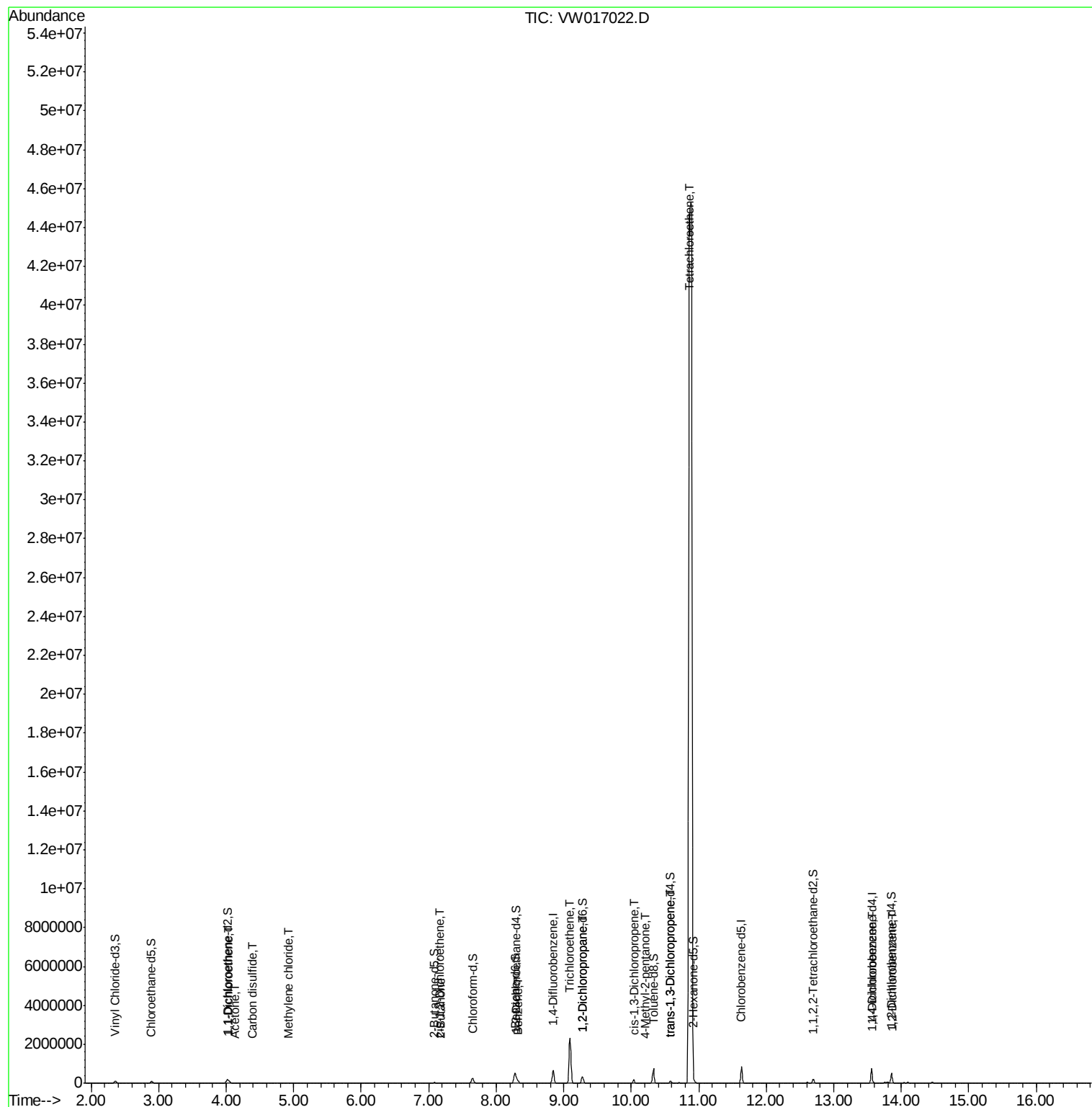
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

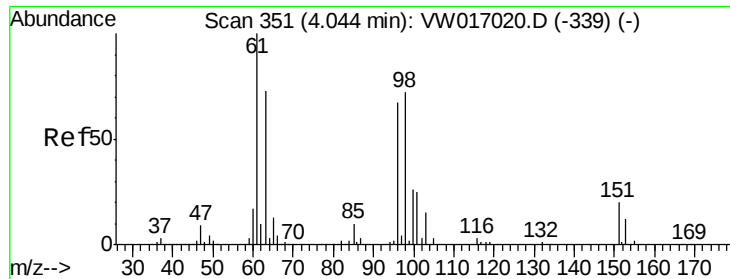
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102920\
Data File : VW017022.D
Acq On : 29 Oct 2020 11:54
Operator : SY/VA
Sample : L4502-18RE
Misc : 5.02G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 30 01:10:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 30 01:03:22 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.762 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017022.D

Acq: 29 Oct 2020 11:54

Instrument :

MSVOA_W

ClientSampled :

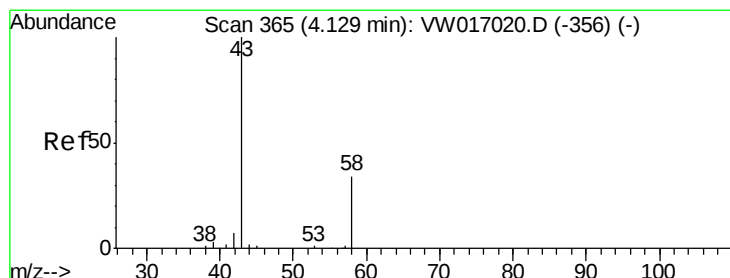
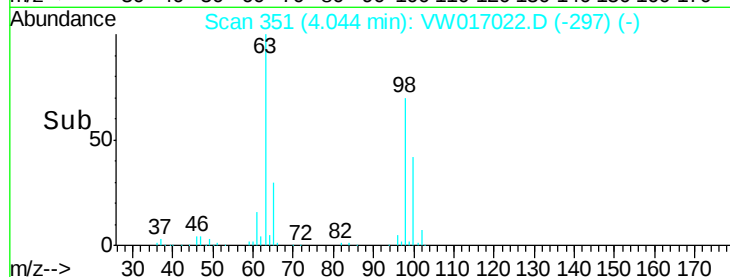
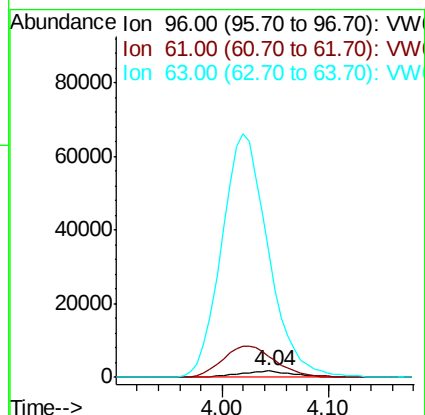
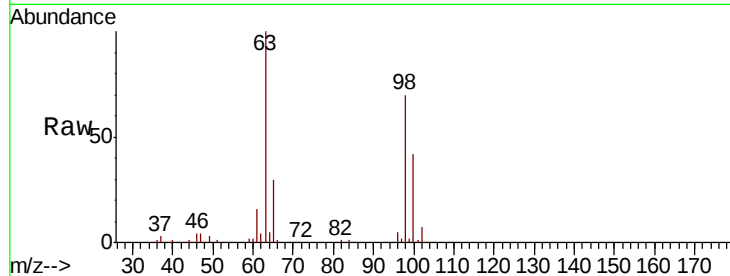
Tot Ion: 96 Resp: 6162

Ion Ratio Lower Upper

96 100

61 327.1 101.4 188.4#

63 2018.7 78.5 145.9#



#13

Acetone

Concen: 6.374 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017022.D

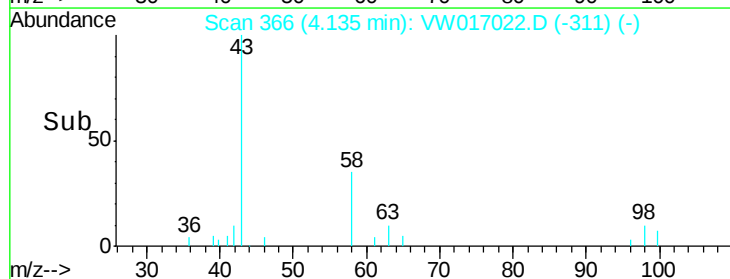
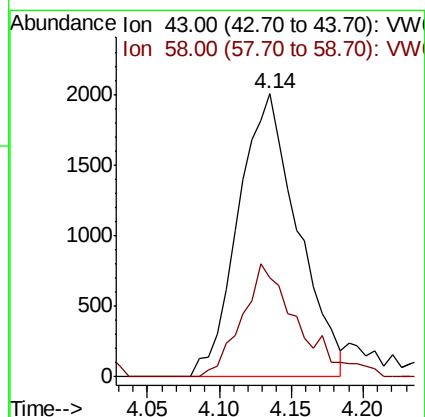
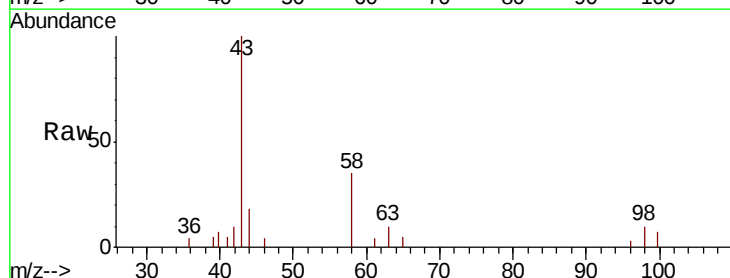
Acq: 29 Oct 2020 11:54

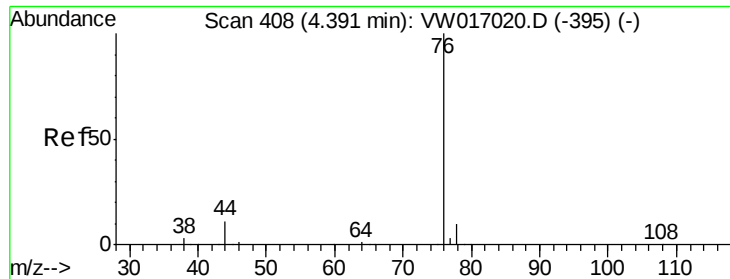
Tgt Ion: 43 Resp: 5758

Ion Ratio Lower Upper

43 100

58 32.8 0.0 69.8

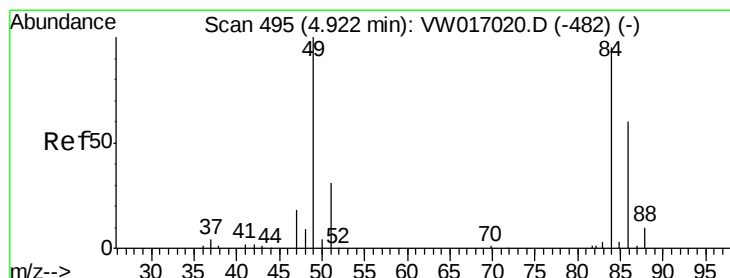
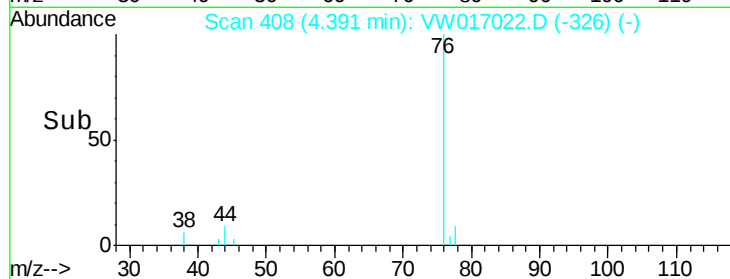
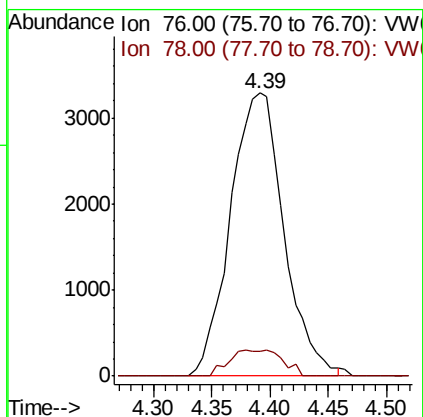
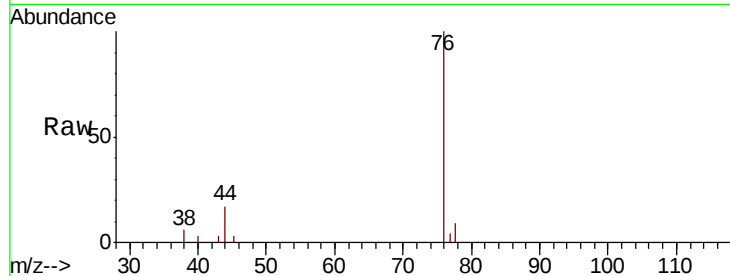




#14
Carbon disulfide
Concen: 0.428 ug/L
RT: 4.39 min Scan# 408
Delta R.T. -0.00 min
Lab File: VW017022.D
Acq: 29 Oct 2020 11:54

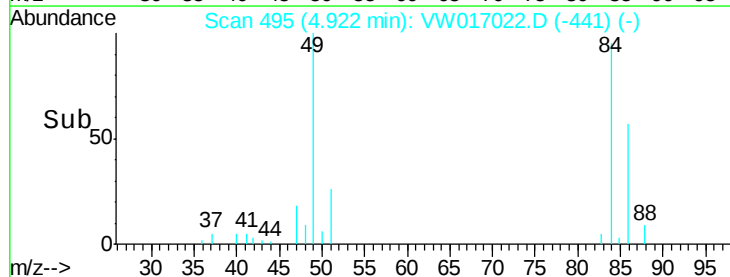
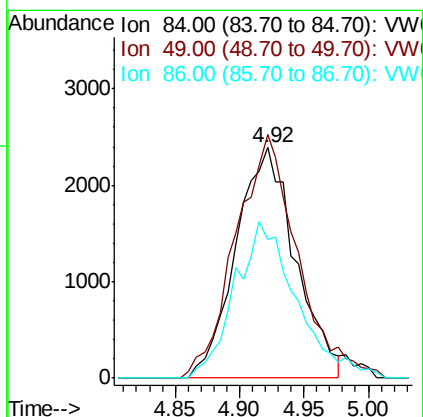
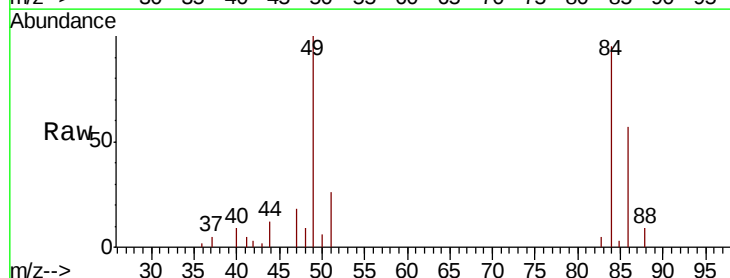
Instrument :
MSVOA_W
ClientSampleId :

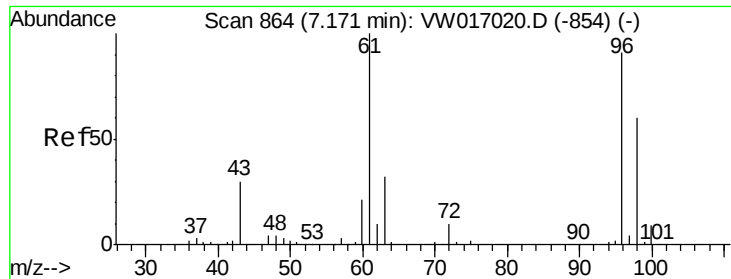
Tot Ion: 76 Resp: 10498
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9



#16
Methylene chloride
Concen: 0.939 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017022.D
Acq: 29 Oct 2020 11:54

Tgt Ion: 84 Resp: 7670
Ion Ratio Lower Upper
84 100
49 105.7 73.8 137.0
86 60.1 47.4 88.0





#21

2-Butanone

Concen: 0.726 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW017022.D

Acq: 29 Oct 2020 11:54

Instrument :

MSVOA_W

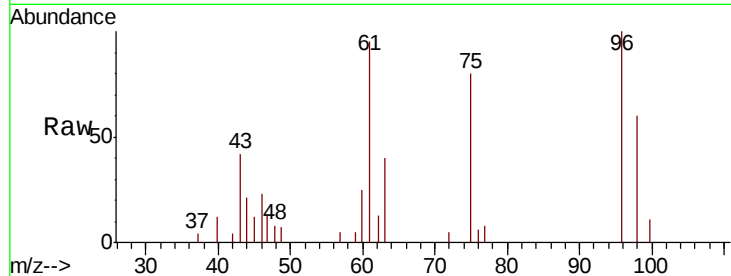
ClientSampled :

Tot Ion: 43 Resp: 1097

Ion Ratio Lower Upper

43 100

72 20.7 16.1 48.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

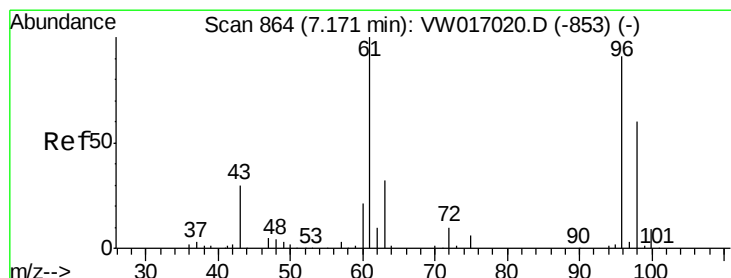
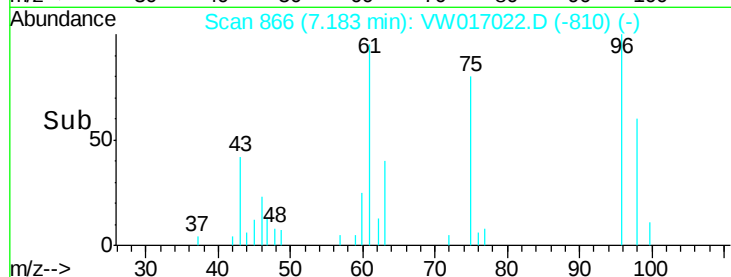
600

400

200

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.660 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW017022.D

Acq: 29 Oct 2020 11:54

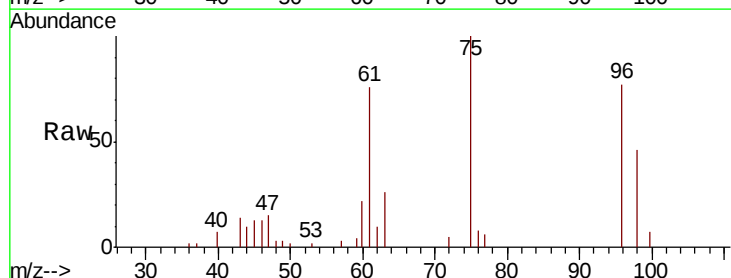
Tgt Ion: 96 Resp: 5642

Ion Ratio Lower Upper

96 100

61 99.3 77.4 143.8

98 60.1 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

3000

2500

2000

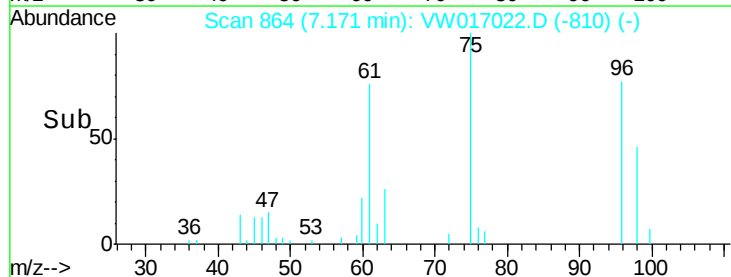
1500

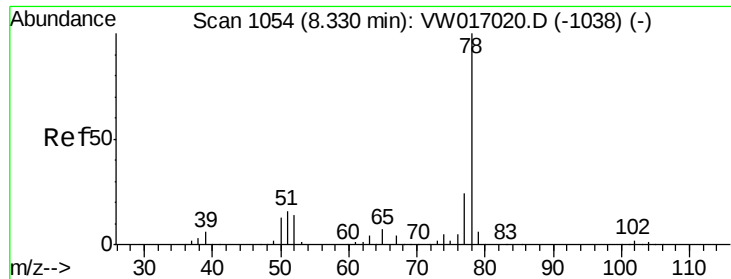
1000

500

0

Time-->

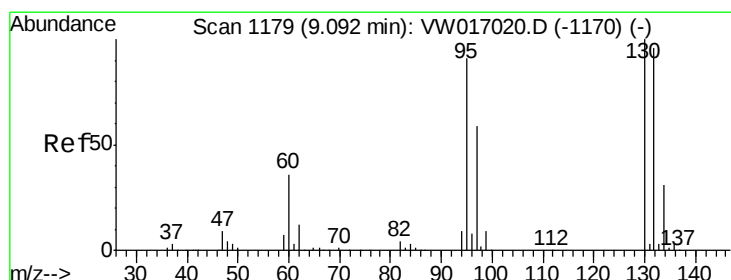
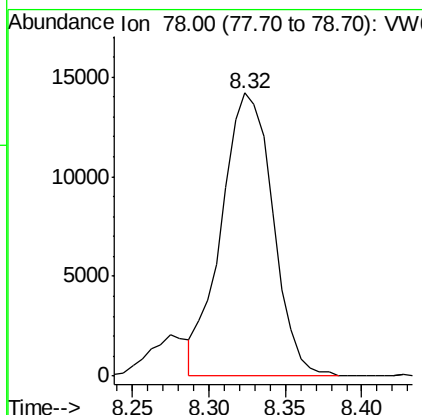
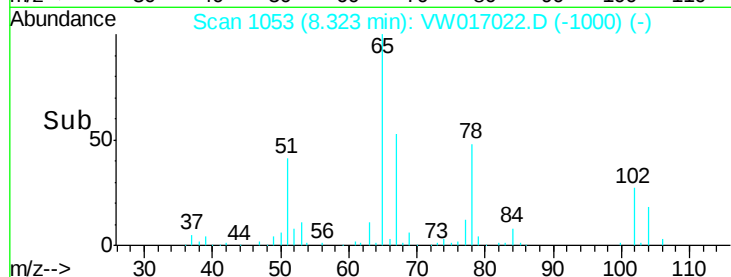
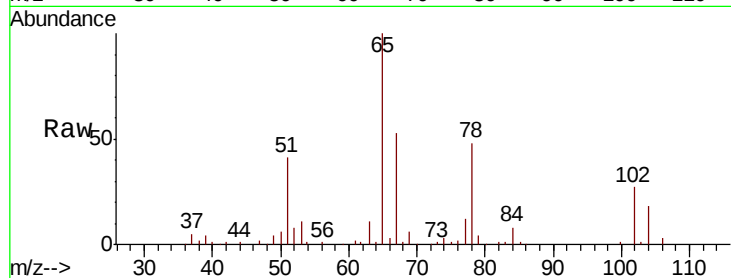




#34
Benzene
Concen: 1.175 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW017022.D
Acq: 29 Oct 2020 11:54

Instrument :
MSVOA_W
ClientSampleId :

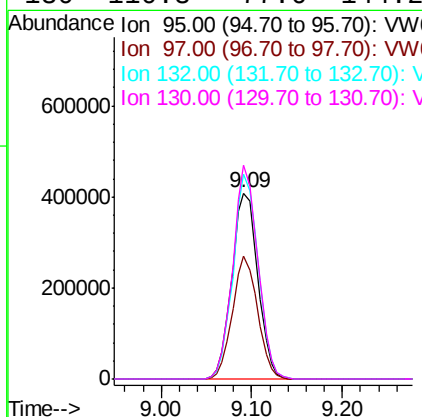
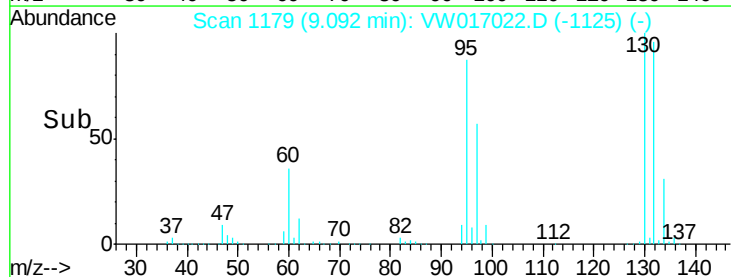
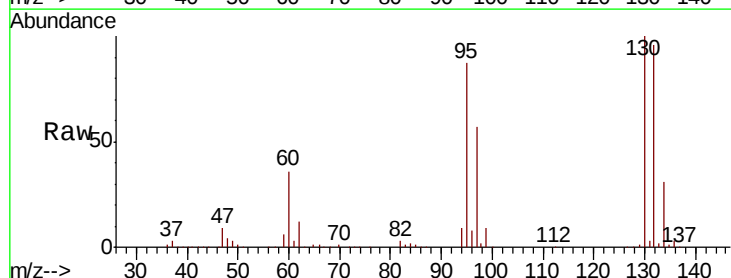
Tgt Ion: 78 Resp: 33236

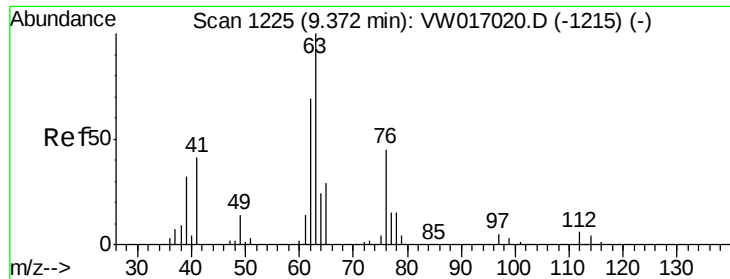


#35
Trichloroethene
Concen: 103.731 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW017022.D
Acq: 29 Oct 2020 11:54

Tgt Ion: 95 Resp: 812350

Ion	Ratio	Lower	Upper
95	100		
97	64.0	46.0	85.4
132	106.5	73.9	137.3
130	110.3	77.6	144.2





#40

1,2-Dichloropropane

Concen: 2.697 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW017022.D

Acq: 29 Oct 2020 11:54

Instrument :

MSVOA_W

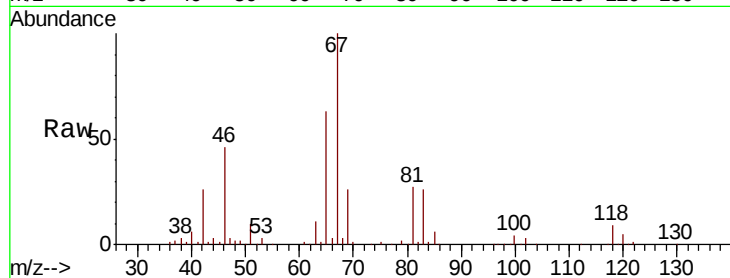
ClientSampleId :

Tot Ion: 63 Resp: 17033

Ion Ratio Lower Upper

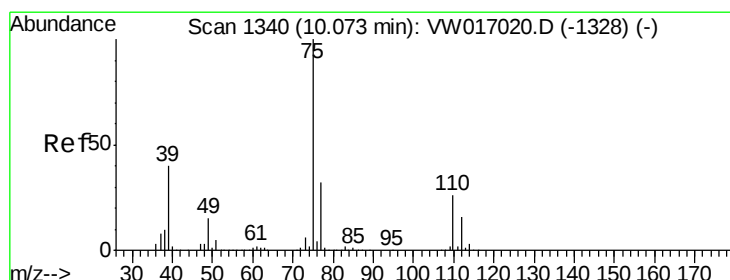
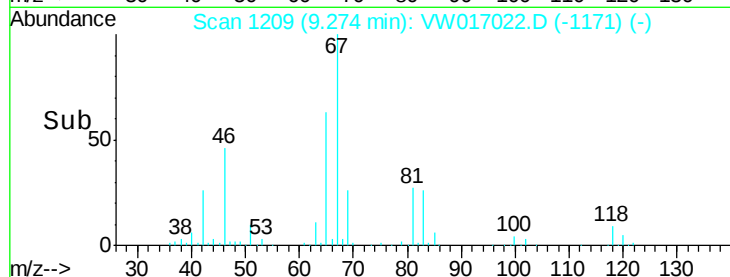
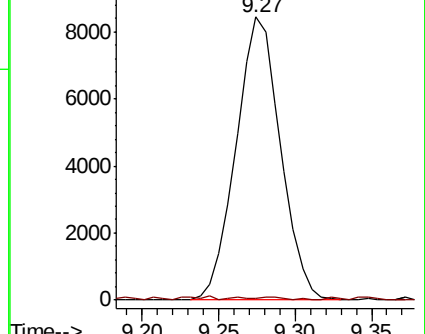
63 100

112 0.5 4.5 6.7#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.441 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017022.D

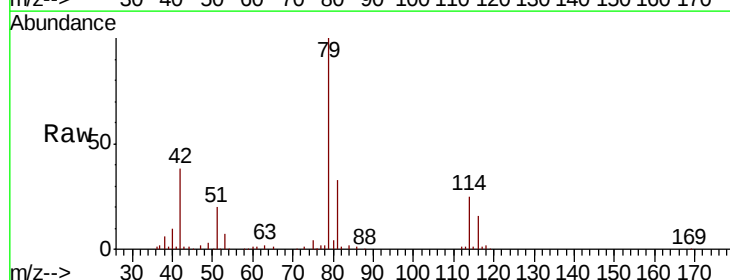
Acq: 29 Oct 2020 11:54

Tgt Ion: 75 Resp: 4350

Ion Ratio Lower Upper

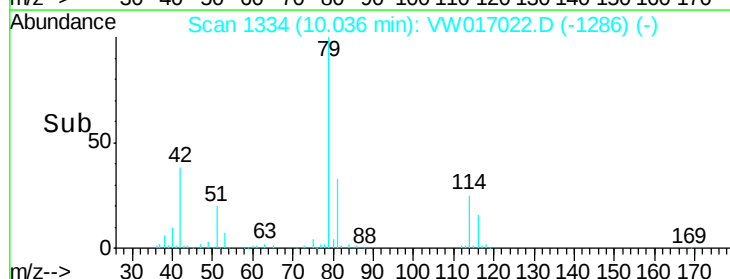
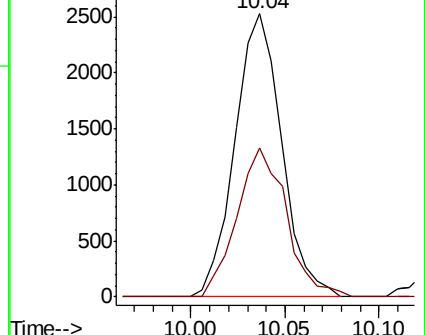
75 100

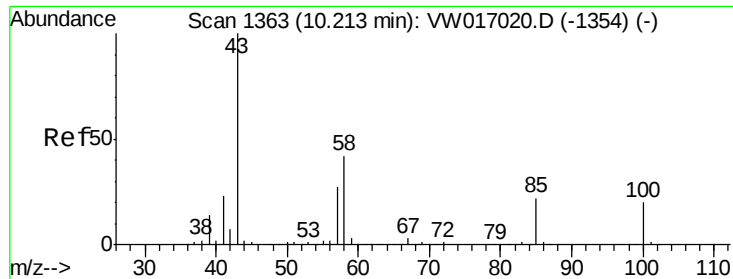
77 52.5 22.7 42.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

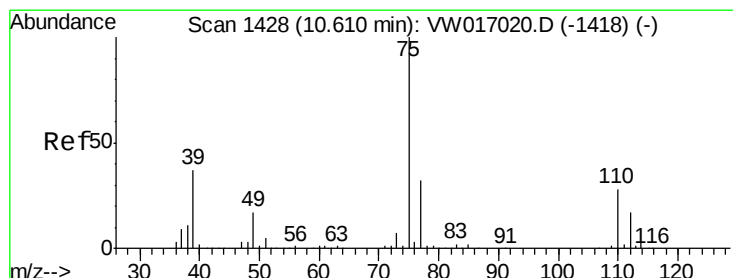
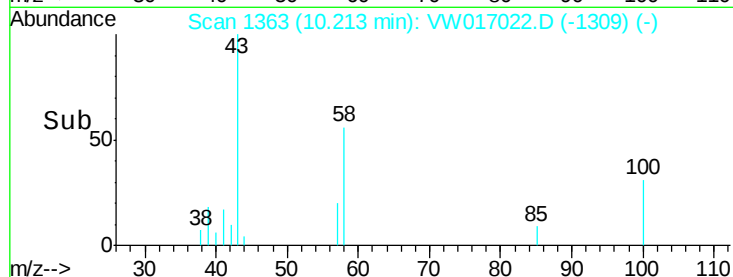
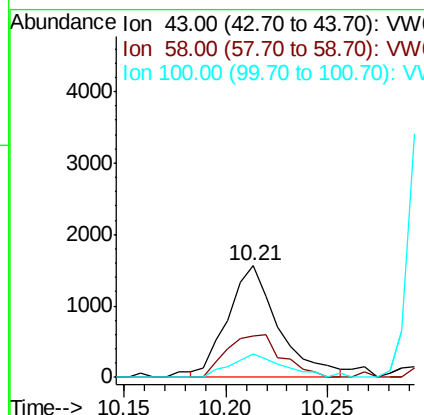
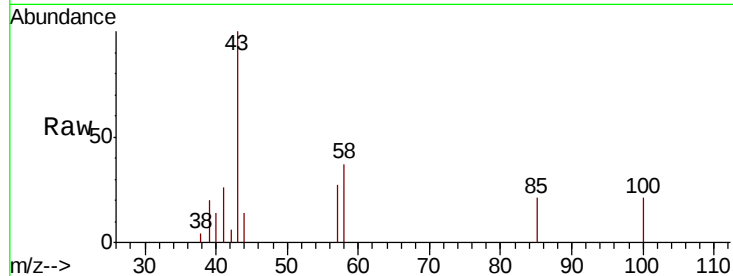




#43
4-Methyl-2-pentanone
Concen: 0.896 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW017022.D
Acq: 29 Oct 2020 11:54

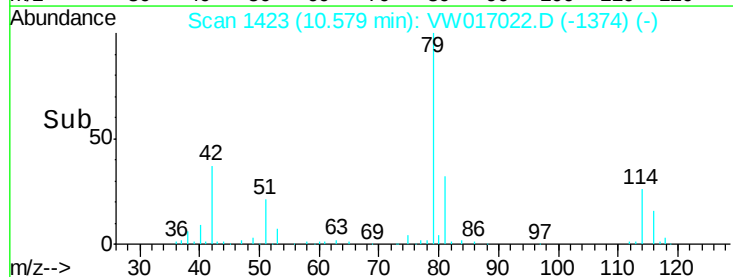
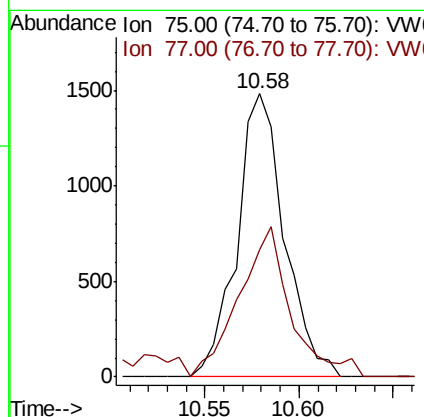
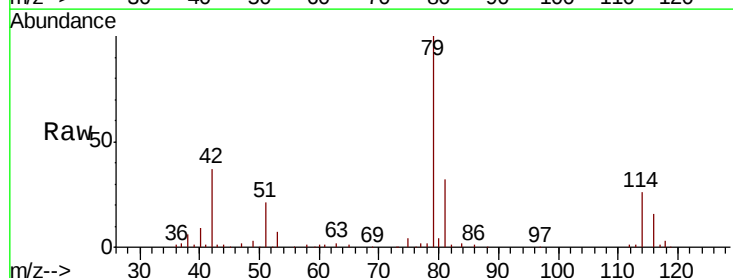
Instrument :
MSVOA_W
ClientSampled :

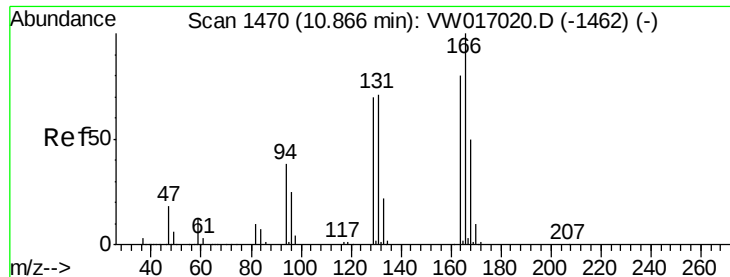
Tot Ion: 43 Resp: 2681
Ion Ratio Lower Upper
43 100
58 41.9 34.4 51.6
100 21.2 16.2 24.2



#45
trans-1,3-Dichloropropene
Concen: 0.316 ug/L
RT: 10.58 min Scan# 1423
Delta R.T. -0.03 min
Lab File: VW017022.D
Acq: 29 Oct 2020 11:54

Tgt Ion: 75 Resp: 2587
Ion Ratio Lower Upper
75 100
77 45.0 22.7 42.3#





#47

Tetrachloroethene

Concen: 895.931 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW017022.D

Acq: 29 Oct 2020 11:54

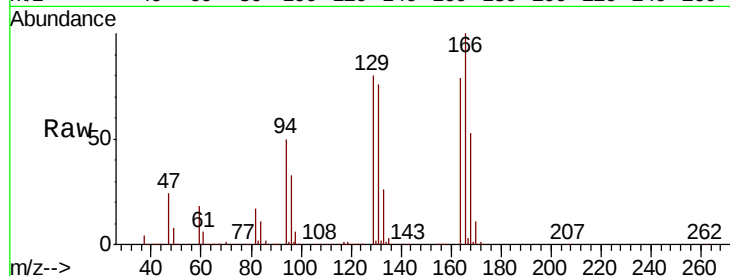
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 6454077

Ion	Ratio	Lower	Upper
164	100		
129	101.5	64.0	119.0
131	96.3	61.7	114.5
166	126.9	94.6	175.8

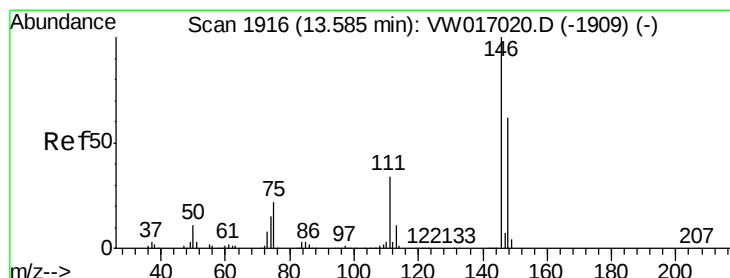
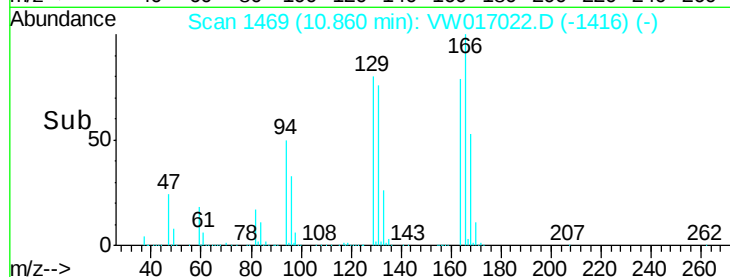


Abundance Ion 164.00 (163.70 to 164.70): V

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



#64

1,4-Dichlorobenzene

Concen: 0.271 ug/L

RT: 13.58 min Scan# 1915

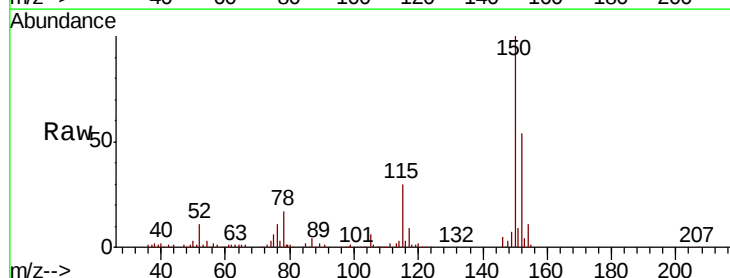
Delta R.T. -0.01 min

Lab File: VW017022.D

Acq: 29 Oct 2020 11:54

Tgt Ion:146 Resp: 3535

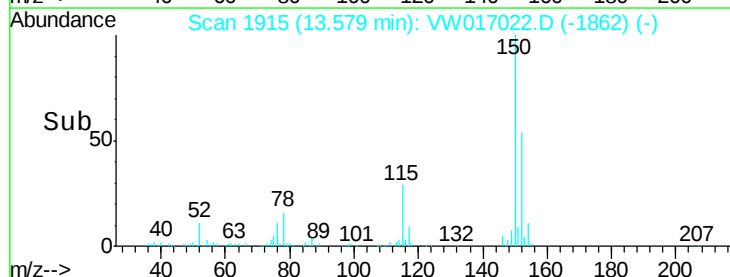
Ion	Ratio	Lower	Upper
146	100		
111	47.2	25.7	47.7
148	67.4	44.3	82.3

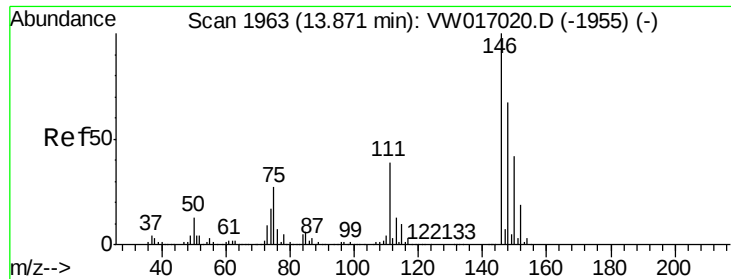


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

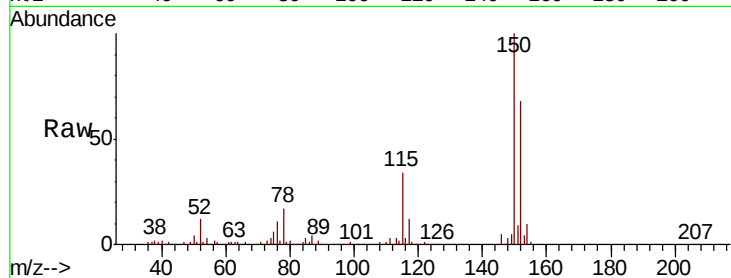




#65
 1,2-Dichlorobenzene
 Concen: 0.317 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017022.D
 Acq: 29 Oct 2020 11:54

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:146 Resp: 3653
 Ion Ratio Lower Upper
 146 100
 111 61.0 31.4 47.0#
 148 62.7 47.7 71.5



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

