

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111320\
 Data File : VW017204.D
 Acq On : 13 Nov 2020 11:31
 Operator : SY/VA
 Sample : L4727-03RE
 Misc : 5.43G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 16 11:55:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 11:48:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	388213	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	269378	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	69344	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	104812	21.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.72%
7) Chloroethane-d5	2.89	69	92298	24.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.96%
10) 1,1-Dichloroethene-d2	4.02	63	145900	16.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.72%
20) 2-Butanone-d5	7.08	46	44711	40.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.78%
24) Chloroform-d	7.65	84	223605	24.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.68%
26) 1,2-Dichloroethane-d4	8.30	65	115290	25.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.36%
29) Benzene-d6	8.27	84	416473	30.36	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	121.44%
33) 1,2-Dichloropropane-d6	9.27	67	115200	30.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	121.44%#
37) Toluene-d8	10.32	98	336452	26.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.04%
38) trans-1,3-Dichloropropene-	10.58	79	45178	26.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.64%
39) 2-Hexanone-d5	10.93	63	35916	54.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	77068	23.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	58816	24.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.28%

Target Compounds

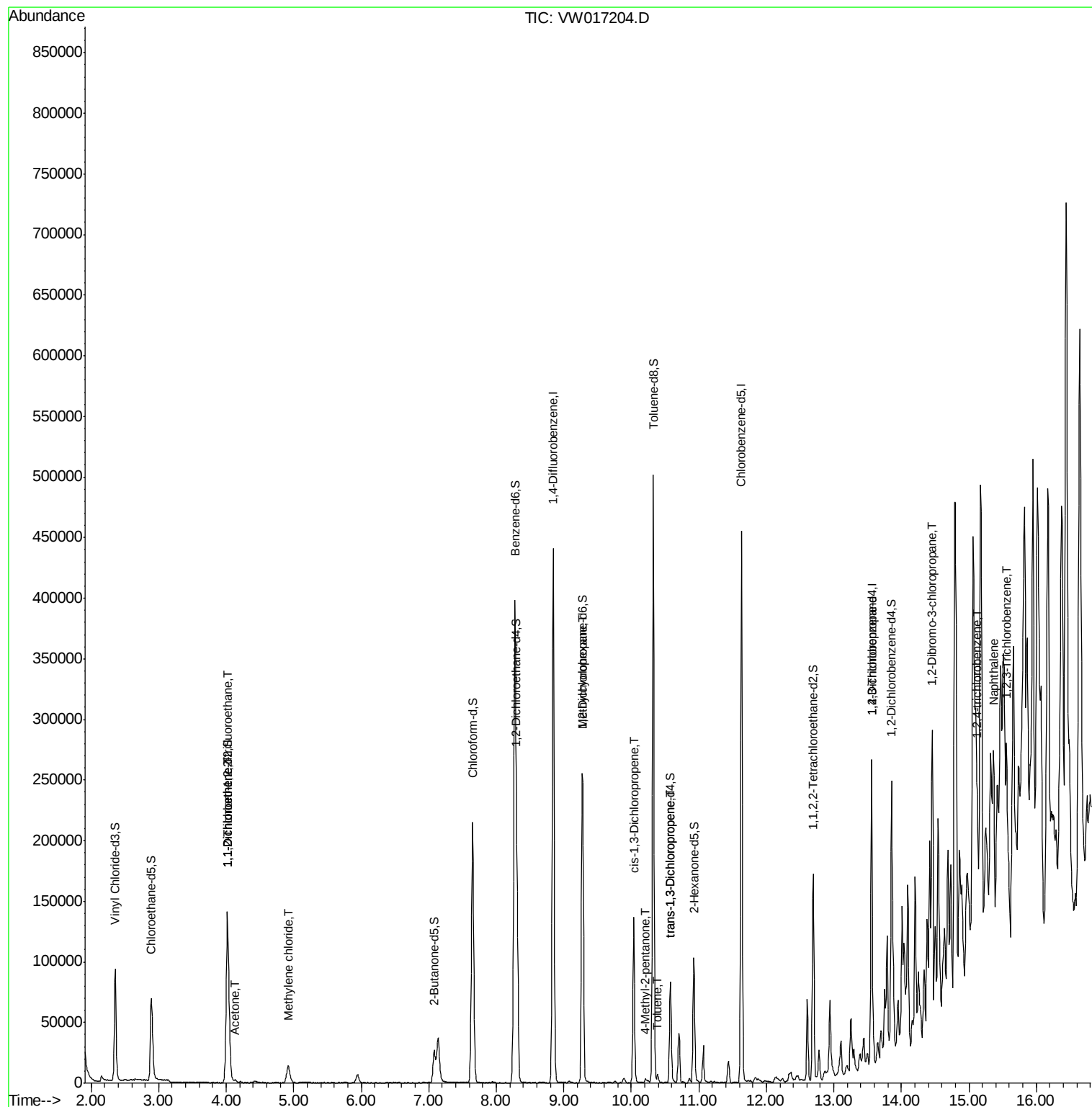
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	1725	0.344	ug/L #	17
12) 1,1-Dichloroethene	4.01	96	1280	0.266	ug/L #	1
13) Acetone	4.14	43	2911	3.976	ug/L	94
16) Methylene chloride	4.92	84	12743	2.435	ug/L	98
36) Methylcyclohexane	9.27	83	31711	4.974	ug/L #	22
42) cis-1,3-Dichloropropene	10.04	75	3851	0.735	ug/L #	77
43) 4-Methyl-2-pentanone	10.21	43	2406	1.179	ug/L	93
44) Toluene	10.39	91	4853	0.312	ug/L	90
45) trans-1,3-Dichloropropene	10.57	75	2316	0.515	ug/L #	71
59) 1,2,3-Trichloropropane	13.55	75	7520	3.177	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.46	75	1130	4.394	ug/L #	1
68) 1,2,4-trichlorobenzene	15.13	180	806	0.318	ug/L #	1
69) Naphthalene	15.36	128	106078	22.724	ug/L #	95
70) 1,2,3-Trichlorobenzene	15.57	180	754	0.325	ug/L #	33

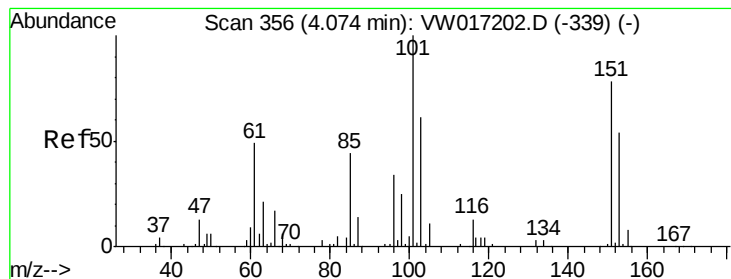
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Mon Nov 16 11:48:24 2020
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.344 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.06 min

Lab File: VW017204.D

Acq: 13 Nov 2020 11:31

Instrument :

MSVOA_W

ClientSampleId :

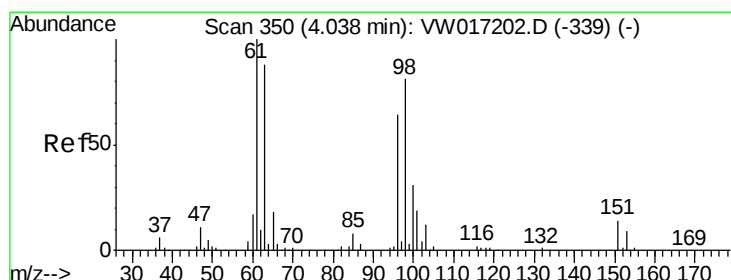
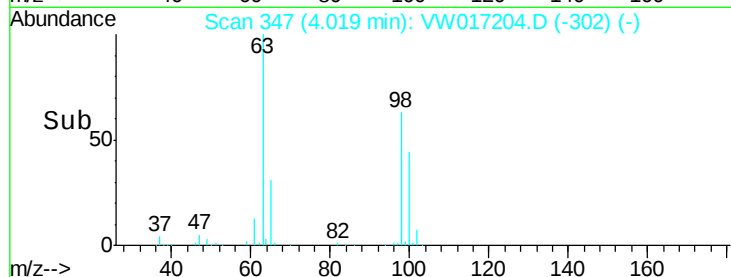
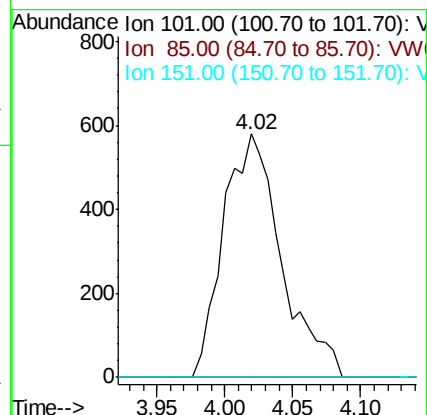
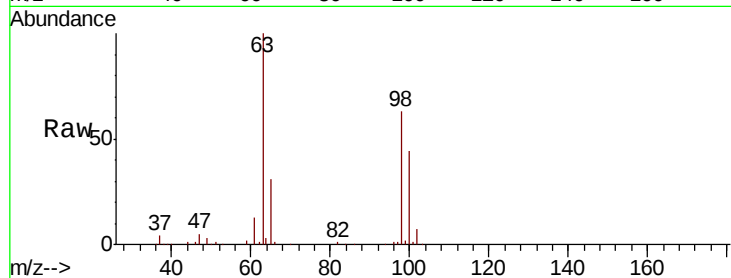
Tot Ion: 101 Resp: 1725

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 65.4 98.2#



#12

1,1-Dichloroethene

Concen: 0.266 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.02 min

Lab File: VW017204.D

Acq: 13 Nov 2020 11:31

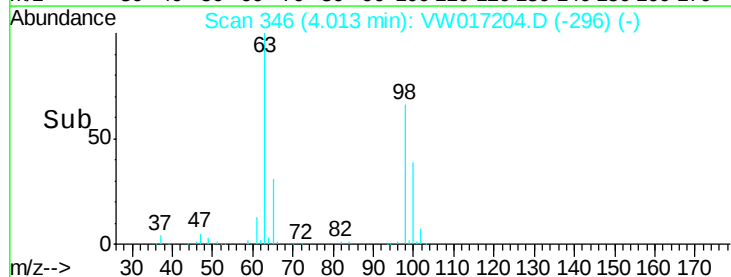
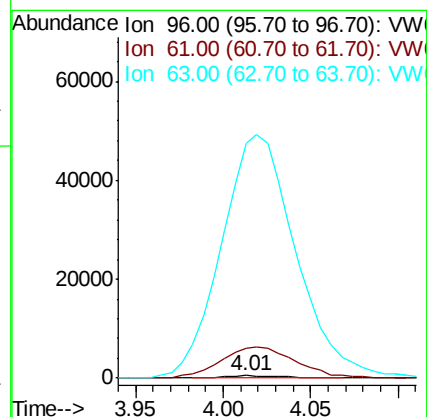
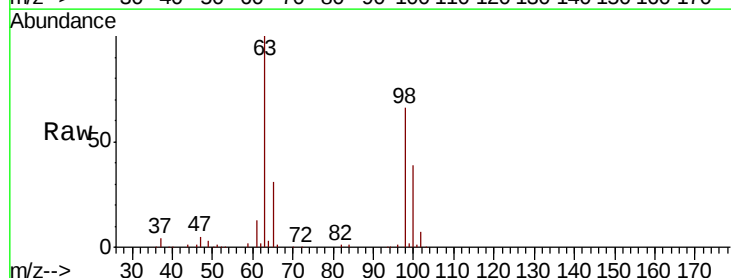
Tgt Ion: 96 Resp: 1280

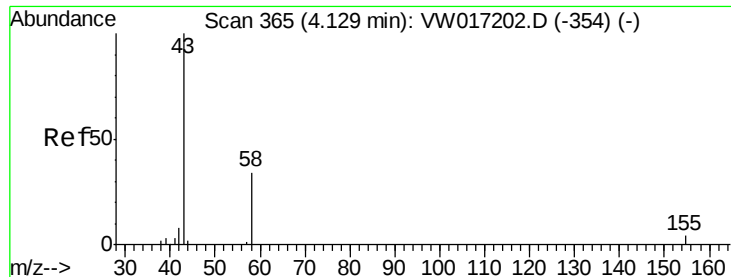
Ion Ratio Lower Upper

96 100

61 1197.2 103.8 192.8#

63 9437.5 84.4 156.7#





#13

Acetone

Concen: 3.976 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017204.D

Acq: 13 Nov 2020 11:31

Instrument :

MSVOA_W

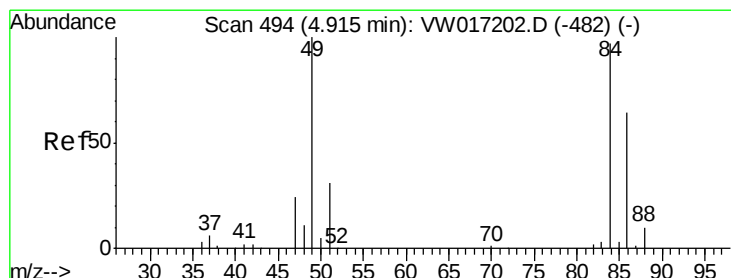
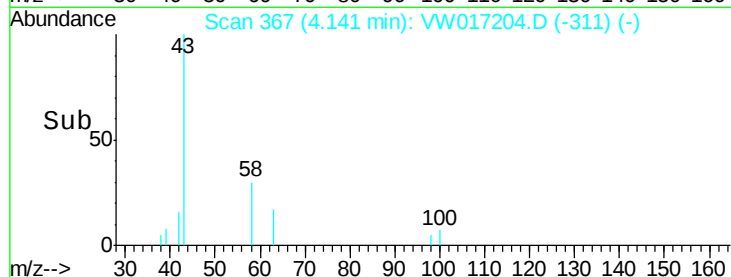
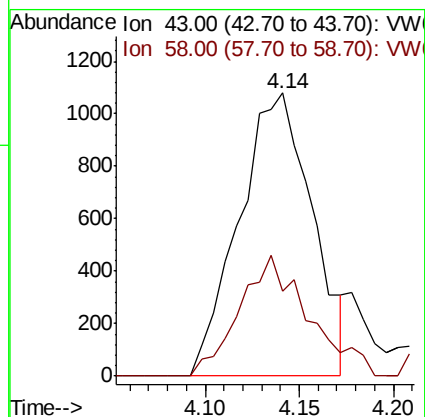
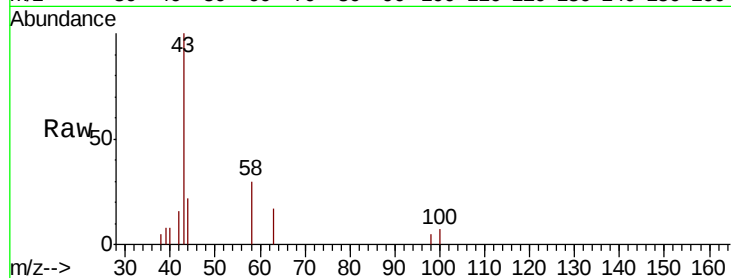
ClientSampled :

Tot Ion: 43 Resp: 2911

Ion Ratio Lower Upper

43 100

58 37.8 0.0 69.2



#16

Methylene chloride

Concen: 2.435 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW017204.D

Acq: 13 Nov 2020 11:31

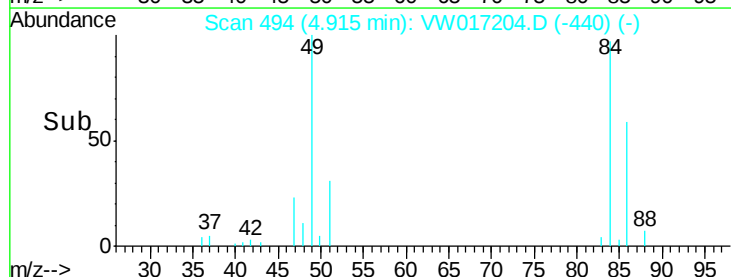
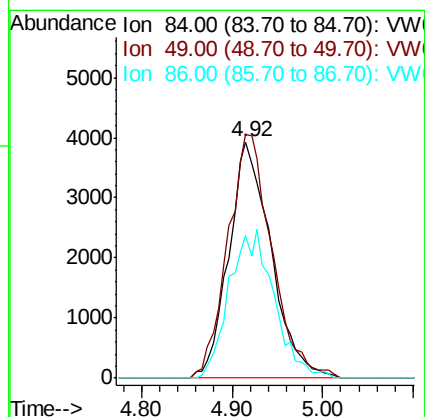
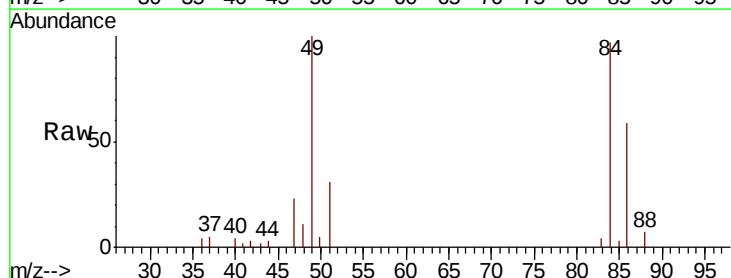
Tgt Ion: 84 Resp: 12743

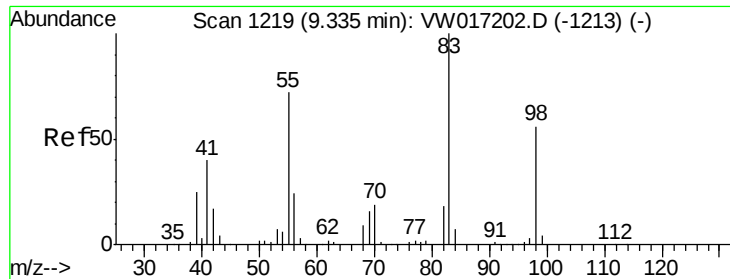
Ion Ratio Lower Upper

84 100

49 103.0 72.3 134.3

86 60.3 45.1 83.7

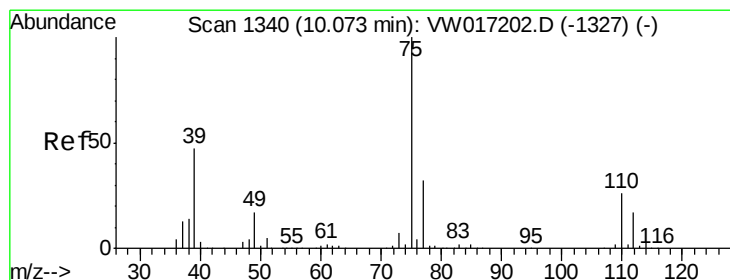
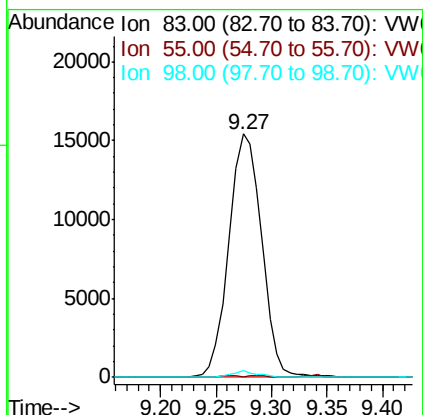
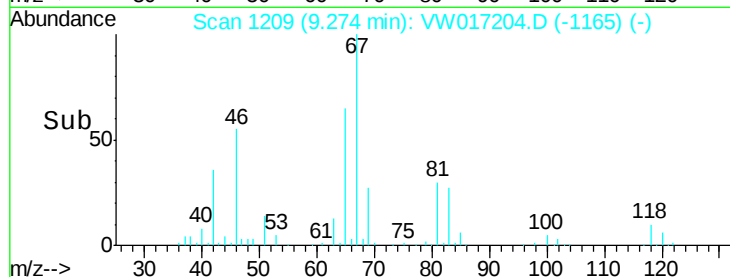
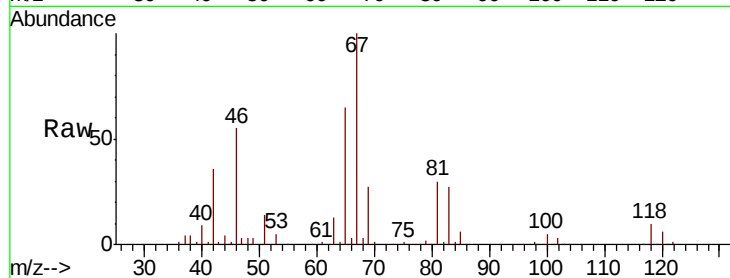




#36
Methylcyclohexane
Concen: 4.974 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW017204.D
Acq: 13 Nov 2020 11:31

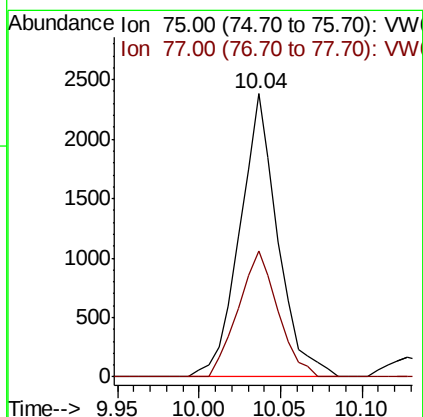
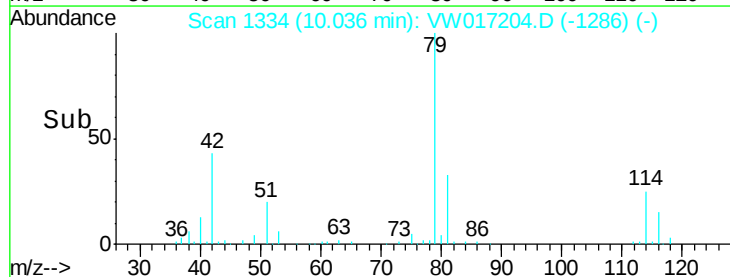
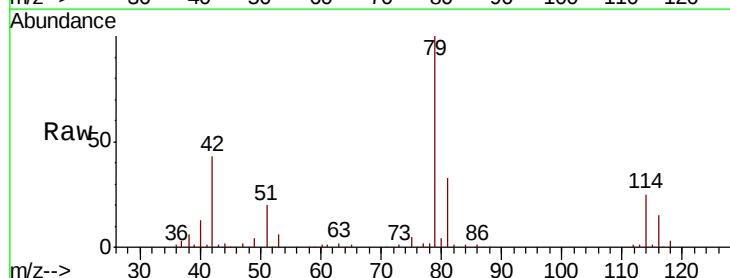
Instrument :
MSVOA_W
ClientSampleId :

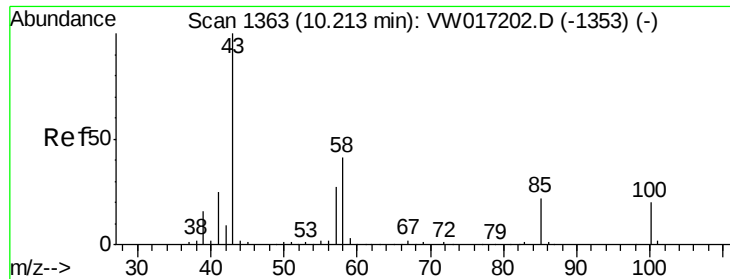
Tot Ion: 83 Resp: 31711
Ion Ratio Lower Upper
83 100
55 0.3 54.4 81.6#
98 2.2 40.5 60.7#



#42
cis-1,3-Dichloropropene
Concen: 0.735 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW017204.D
Acq: 13 Nov 2020 11:31

Tgt Ion: 75 Resp: 3851
Ion Ratio Lower Upper
75 100
77 44.5 22.0 41.0#

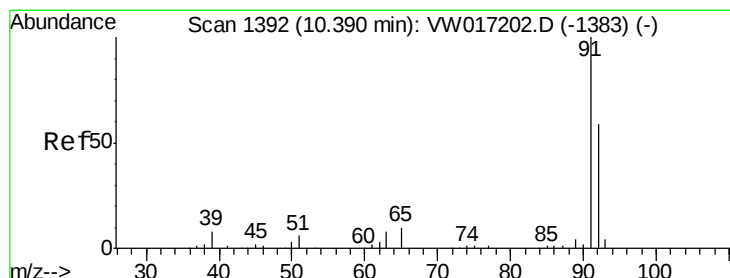
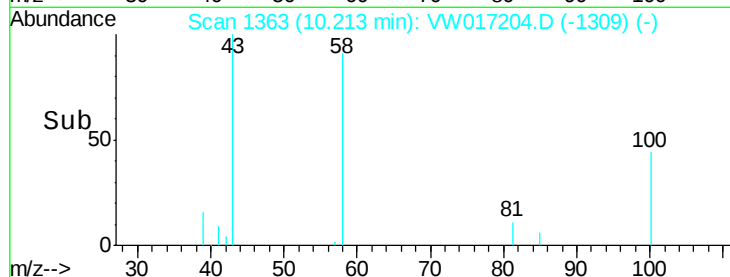
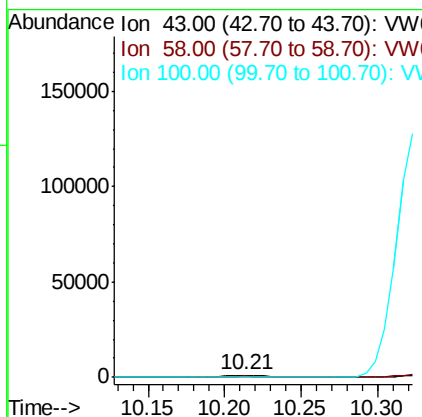
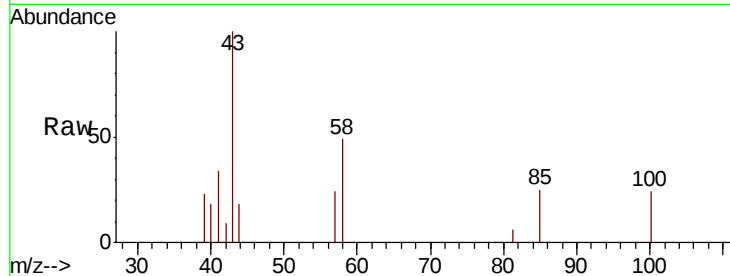




#43
4-Methyl-2-pentanone
Concen: 1.179 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW017204.D
Acq: 13 Nov 2020 11:31

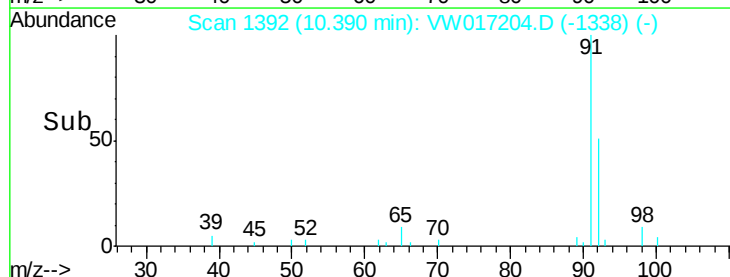
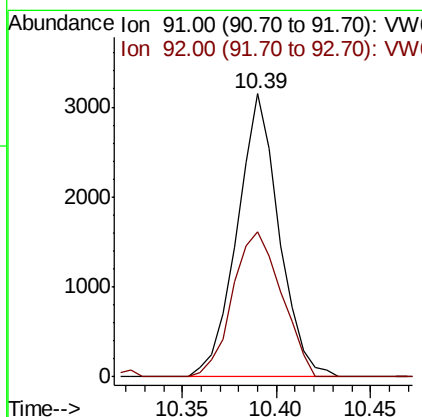
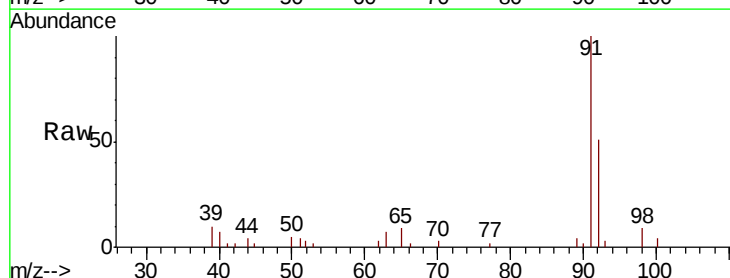
Instrument :
MSVOA_W
ClientSampleId :

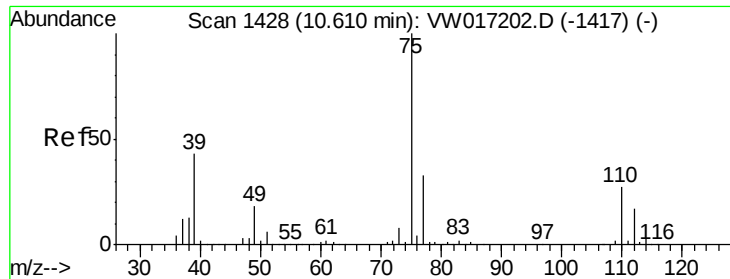
Tot Ion: 43 Resp: 2406
Ion Ratio Lower Upper
43 100
58 39.3 35.0 52.6
100 17.3 16.6 24.8



#44
Toluene
Concen: 0.312 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW017204.D
Acq: 13 Nov 2020 11:31

Tgt Ion: 91 Resp: 4853
Ion Ratio Lower Upper
91 100
92 51.3 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 0.515 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.04 min

Lab File: VW017204.D

Acq: 13 Nov 2020 11:31

Instrument :

MSVOA_W

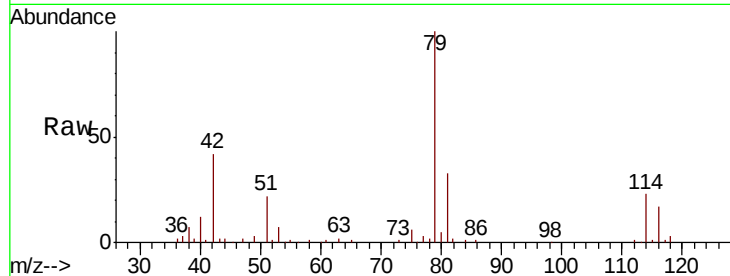
ClientSampled :

Tot Ion: 75 Resp: 2316

Ion Ratio Lower Upper

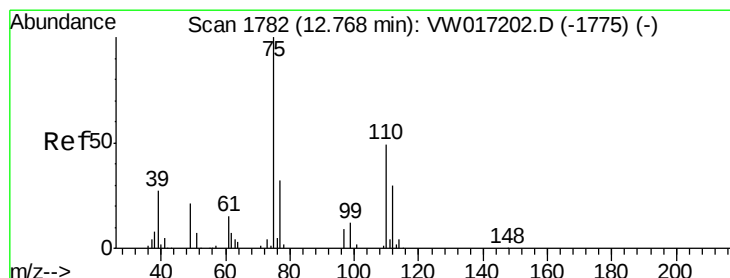
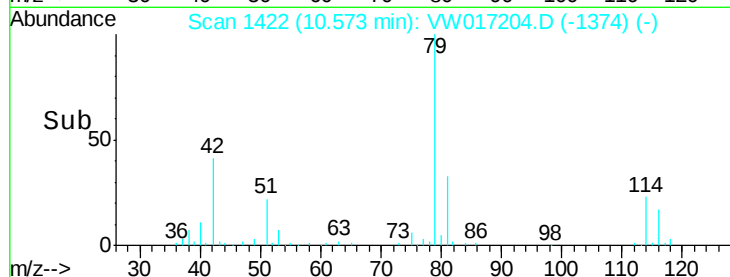
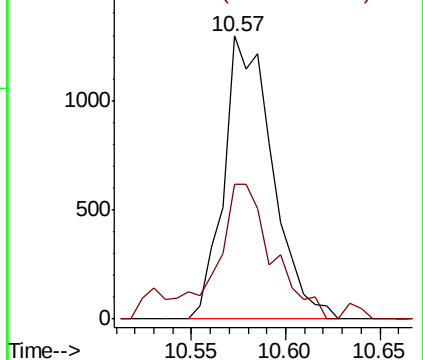
75 100

77 47.7 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#59

1,2,3-Trichloropropane

Concen: 3.177 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW017204.D

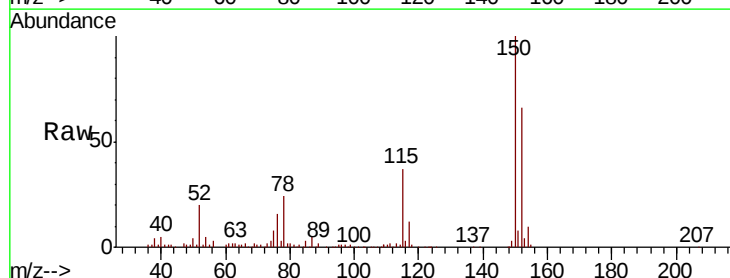
Acq: 13 Nov 2020 11:31

Tgt Ion: 75 Resp: 7520

Ion Ratio Lower Upper

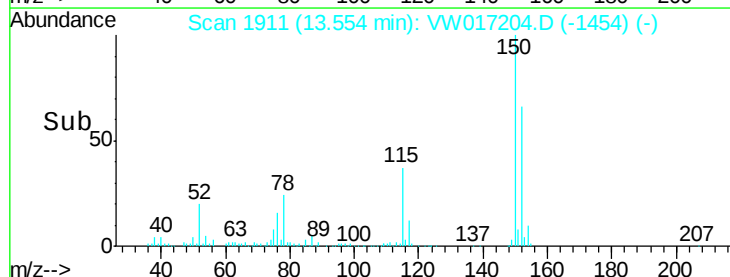
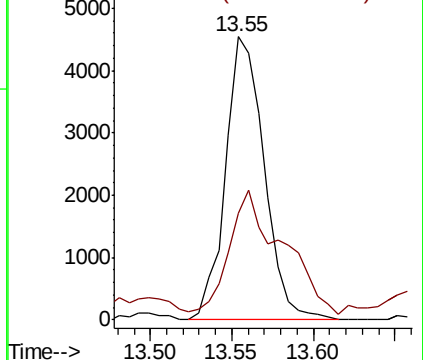
75 100

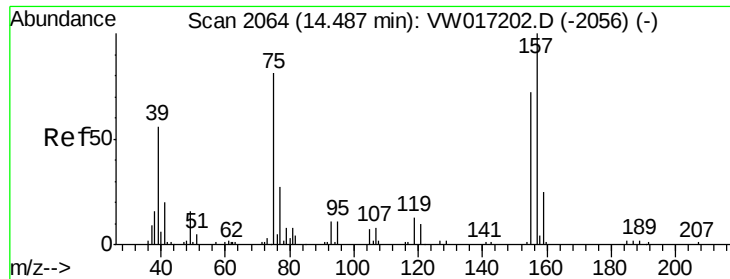
77 36.9 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

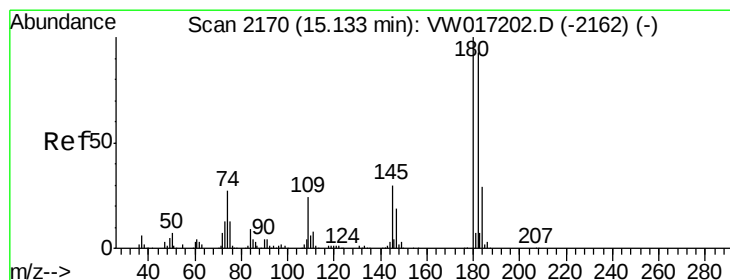
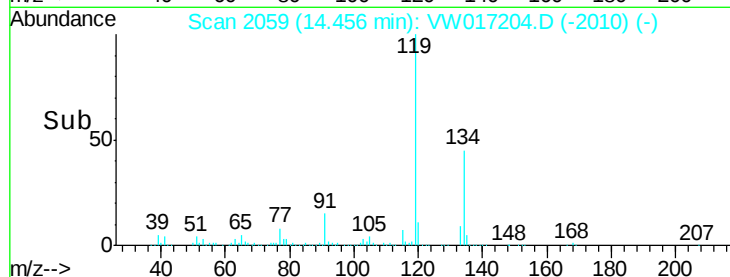
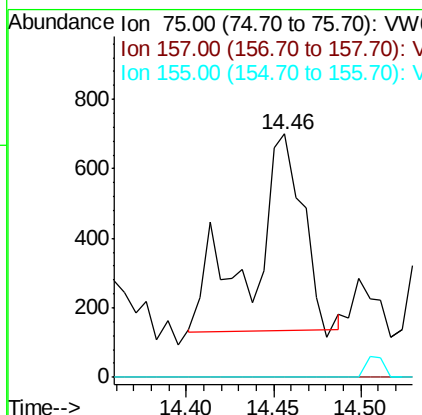
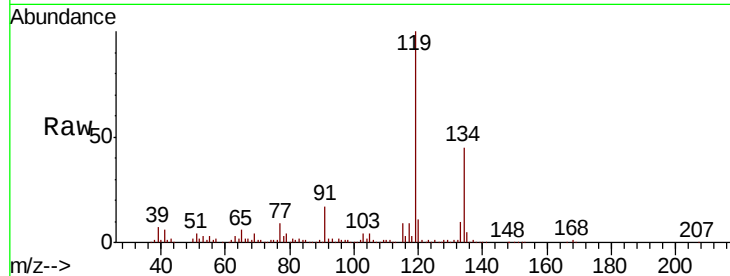




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.394 ug/L
 RT: 14.46 min Scan# 2059
 Delta R.T. -0.03 min
 Lab File: VW017204.D
 Acq: 13 Nov 2020 11:31

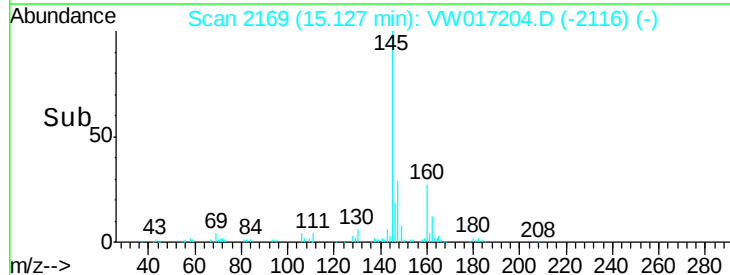
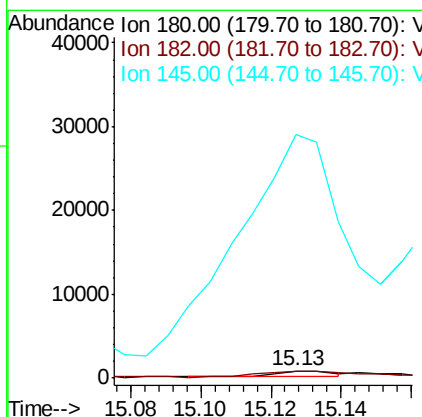
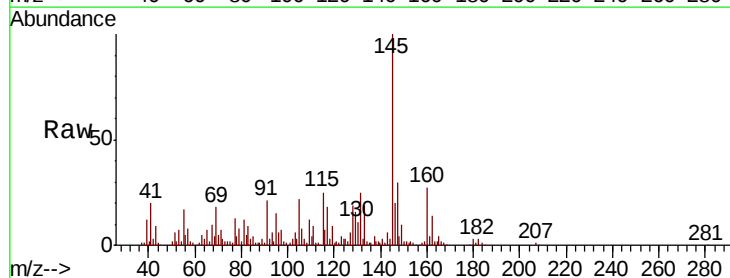
Instrument :
 MSVOA_W
 ClientSampled :

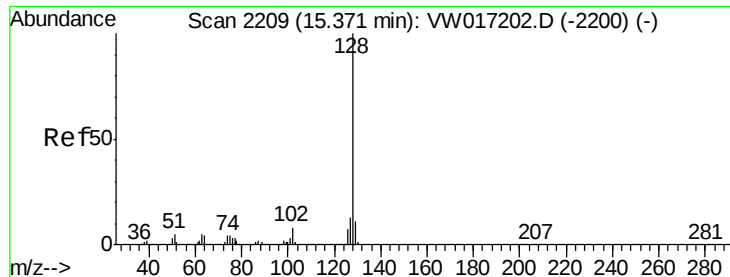
Tot Ion: 75 Resp: 1130
 Ion Ratio Lower Upper
 75 100
 157 0.0 108.2 162.4#
 155 0.0 79.1 118.7#



#68
 1,2,4-trichlorobenzene
 Concen: 0.318 ug/L
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW017204.D
 Acq: 13 Nov 2020 11:31

Tgt Ion:180 Resp: 806
 Ion Ratio Lower Upper
 180 100
 182 177.4 76.7 115.1#
 145 8197.1 23.6 35.4#





#69

Naphthalene

Concen: 22.724 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017204.D

Acq: 13 Nov 2020 11:31

Instrument :

MSVOA_W

ClientSampleId :

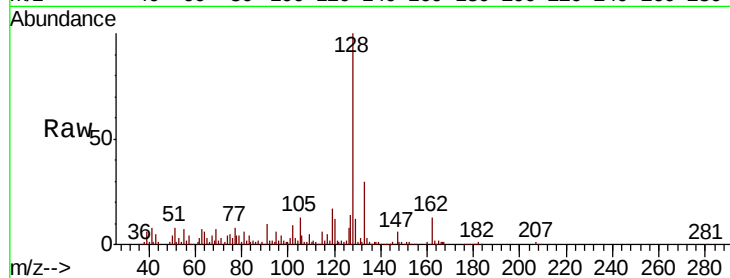
Tot Ion:128 Resp: 106078

Ion Ratio Lower Upper

128 100

129 8.3 8.6 12.8#

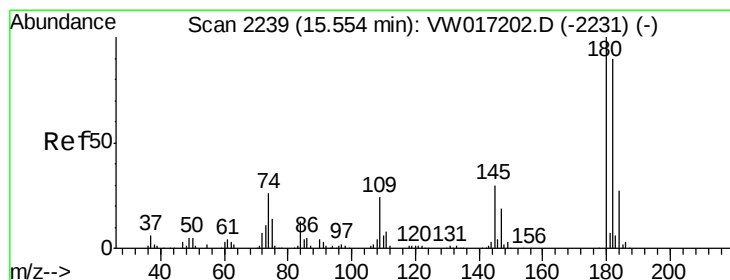
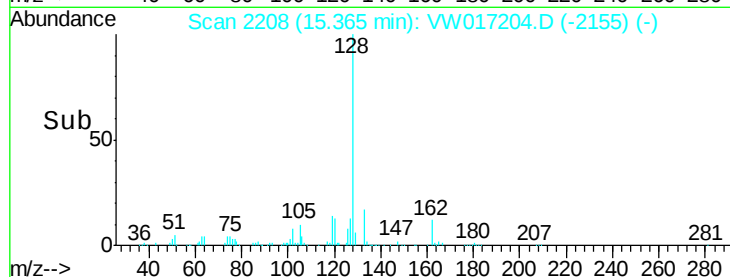
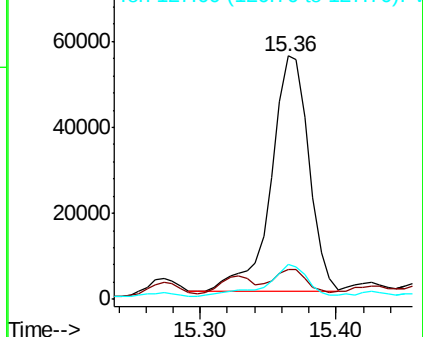
127 11.0 10.2 15.2



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



#70

1,2,3-Trichlorobenzene

Concen: 0.325 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW017204.D

Acq: 13 Nov 2020 11:31

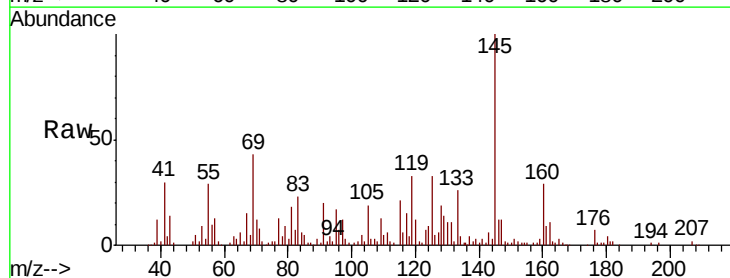
Tgt Ion:180 Resp: 754

Ion Ratio Lower Upper

180 100

182 26.5 75.5 113.3#

145 0.0 24.5 36.7#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

