

Data File : VW017343.D
Acq On : 18 Nov 2020 21:25
Operator : SY/VA
Sample : L4738-21RE
Misc : 2.70G/13ML/MSVOA_W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB0Y8RE

Quant Time: Nov 19 05:07:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 19 05:03:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	156179	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	61462	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	9213	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	114069	49.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	197.32%#
7) Chloroethane-d5	2.89	69	90849	49.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	197.84%#
10) 1,1-Dichloroethene-d2	4.02	63	116425	28.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	115.12%#
20) 2-Butanone-d5	7.08	46	33322	87.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	175.50%#
24) Chloroform-d	7.65	84	135645	33.06	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	132.24%
26) 1,2-Dichloroethane-d4	8.31	65	60638	30.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	122.36%
29) Benzene-d6	8.28	84	238614	68.87	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	275.48%#
33) 1,2-Dichloropropane-d6	9.27	67	59757	64.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	258.96%#
37) Toluene-d8	10.33	98	132250	40.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	162.16%#
38) trans-1,3-Dichloropropene-	10.58	79	12089	30.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	120.32%
39) 2-Hexanone-d5	10.93	63	10697	86.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	172.86%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	15401	22.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.08%
61) 1,2-Dichlorobenzene-d4	13.86	152	7253	21.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.32%

Target Compounds

					Qvalue	
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	1059	0.495	ug/L #	16
12) 1,1-Dichloroethene	4.02	96	714	0.347	ug/L #	1
13) Acetone	4.12	43	6011	21.697	ug/L	97
16) Methylene chloride	4.92	84	4181	1.565	ug/L	92
35) Trichloroethene	8.85	95	4539	4.621	ug/L #	2
40) 1,2-Dichloropropane	9.27	63	7116	9.061	ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	1399	1.148	ug/L	84
43) 4-Methyl-2-pentanone	10.16	43	287	0.736	ug/L #	41
45) trans-1,3-Dichloropropene	10.59	75	587	0.568	ug/L #	78
46) 1,1,2-Trichloroethane	10.73	97	499	0.807	ug/L #	16
47) Tetrachloroethene	10.71	164	1106	1.242	ug/L #	35
49) 2-Hexanone	10.93	43	1414	6.027	ug/L #	55
57) Isopropylbenzene	12.60	105	1476	0.341	ug/L #	67
59) 1,2,3-Trichloropropane	13.57	75	1012	2.091	ug/L	93
62) Bromoform	12.61	173	74	0.571	ug/L #	1
67) 1,3,5-Trichlorobenzene	14.07	180	484	1.108	ug/L #	18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111820\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Thu Nov 19 05:03:18 2020
Response via : Initial Calibration

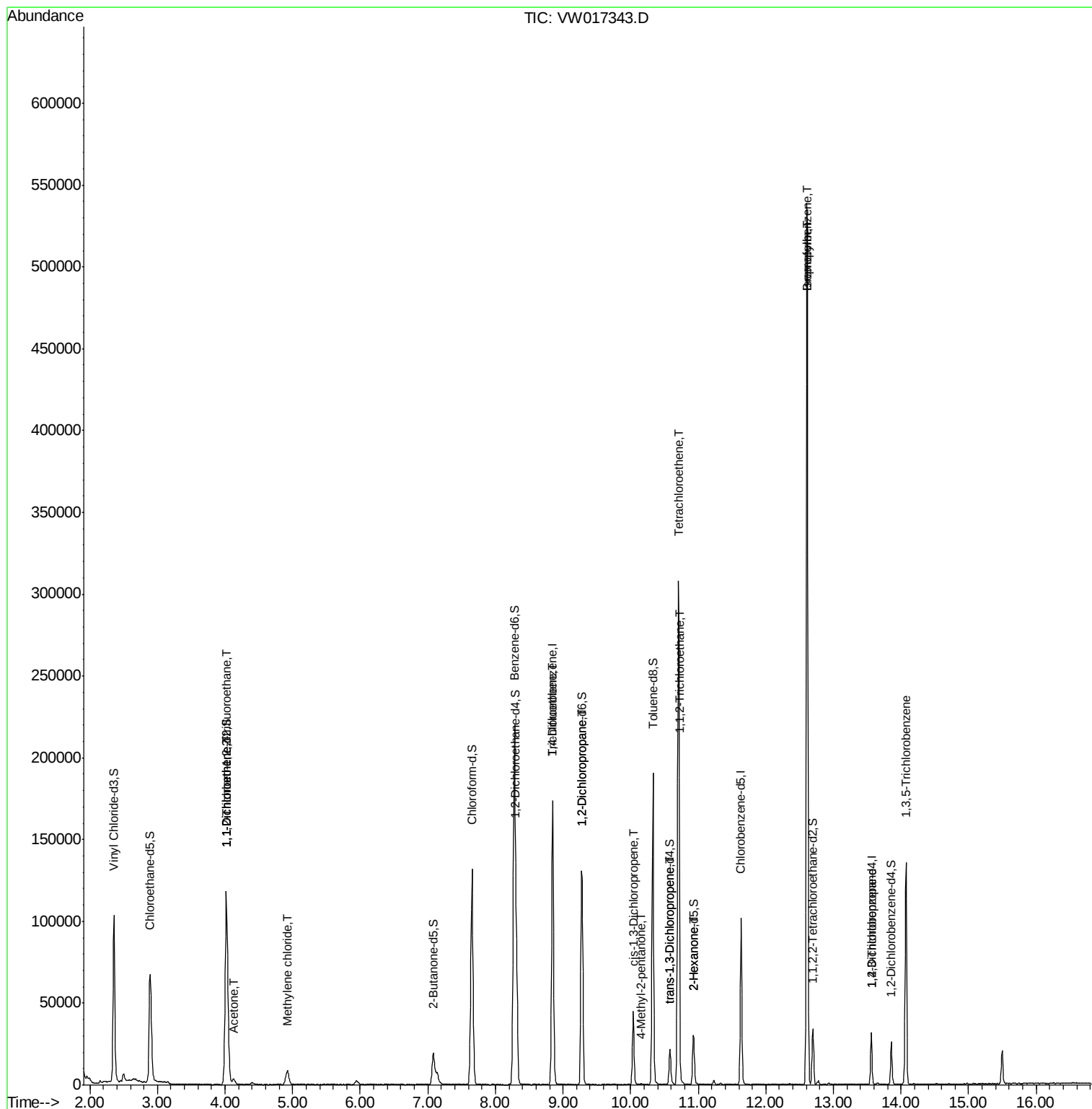
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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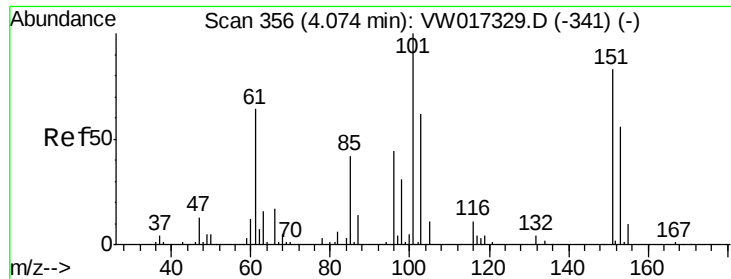
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 19 05:03:18 2020
Response via : Initial Calibration





#11

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

Concen: 0.495 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.06 min

Lab File: VW017343.D

Acq: 18 Nov 2020 21:25

Instrument :

MSVOA_W

ClientSampleId :

GB0Y8RE

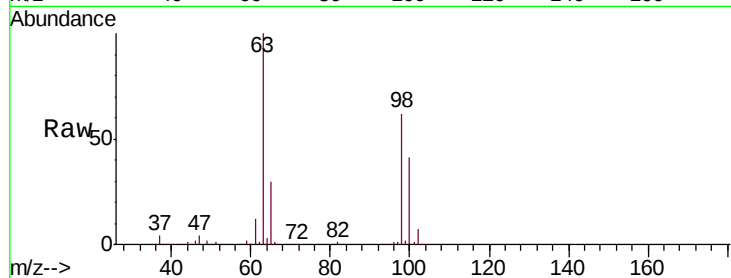
Tgt Ion: 101 Resp: 1059

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

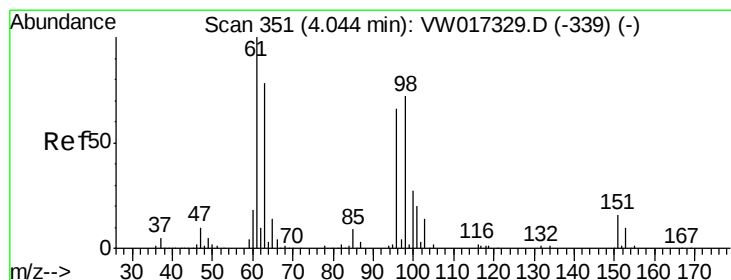
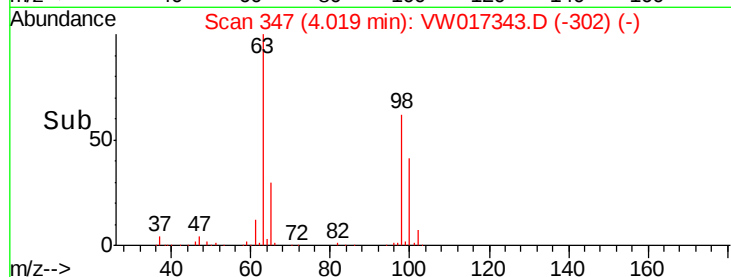
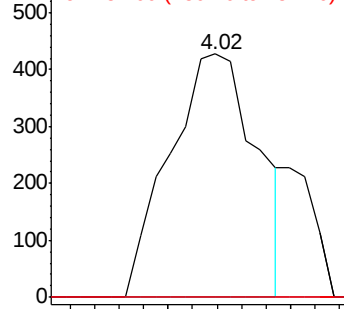
151 0.0 66.3 99.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.347 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.02 min

Lab File: VW017343.D

Acq: 18 Nov 2020 21:25

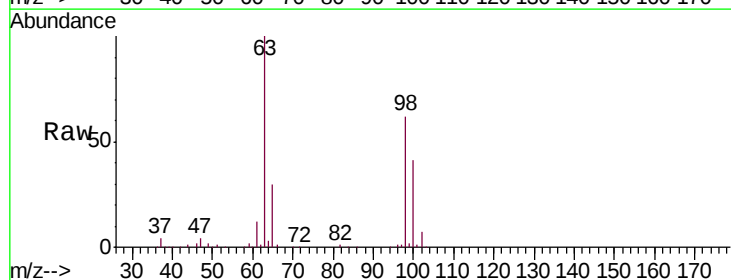
Tgt Ion: 96 Resp: 714

Ion Ratio Lower Upper

96 100

61 1217.5 104.7 194.4#

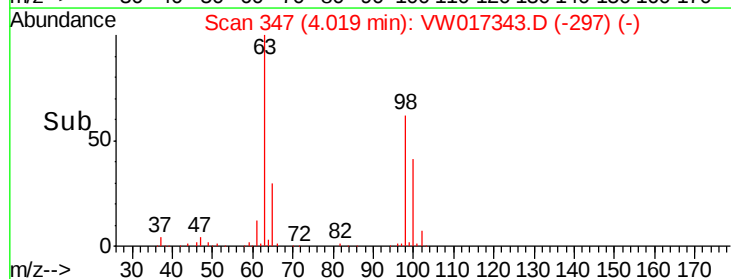
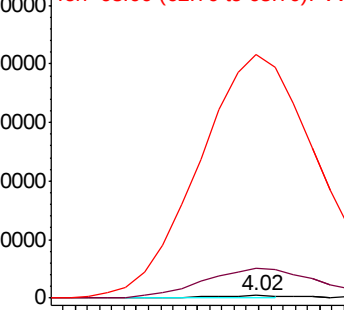
63 9855.9 69.6 129.2#

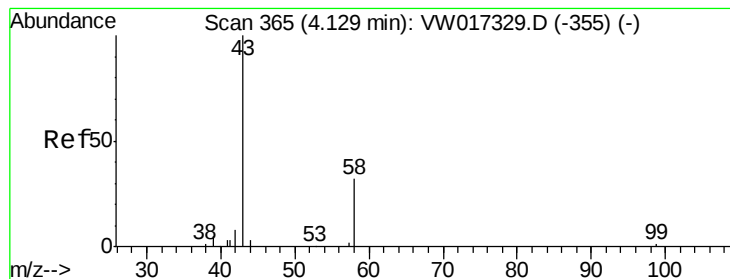


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 21.697 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017343.D

Acq: 18 Nov 2020 21:25

Instrument :

MSVOA_W

ClientSampleId :

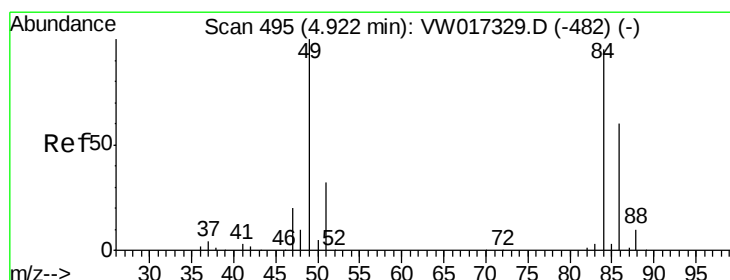
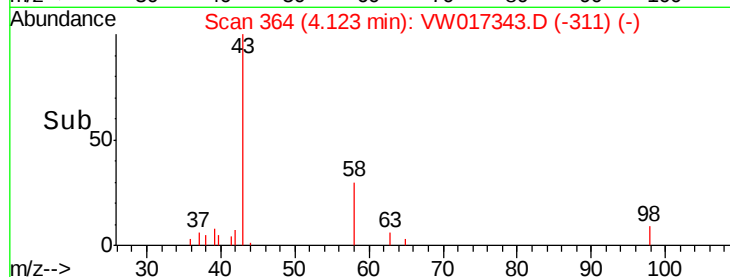
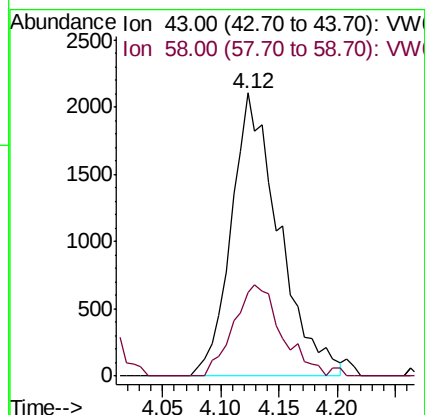
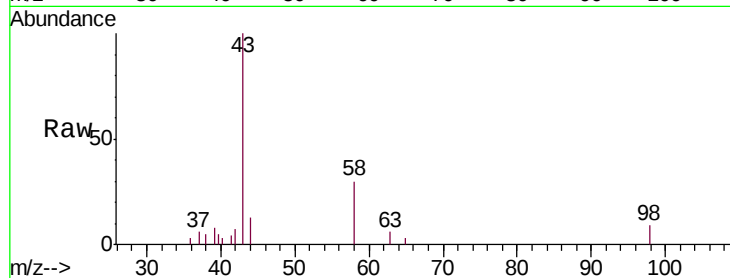
GB0Y8RE

Tgt Ion: 43 Resp: 6011

Ion Ratio Lower Upper

43 100

58 31.7 0.0 67.0



#16

Methylene chloride

Concen: 1.565 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017343.D

Acq: 18 Nov 2020 21:25

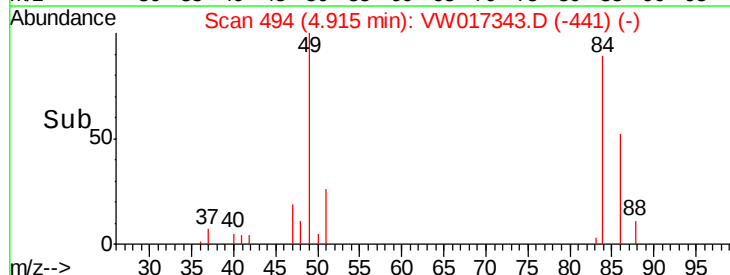
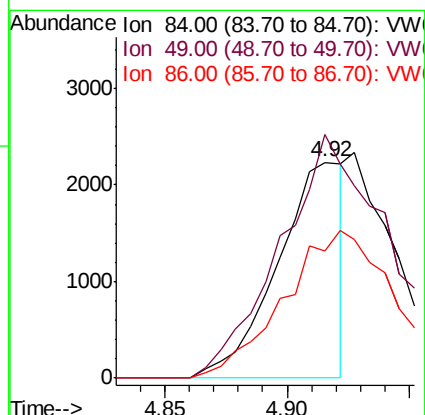
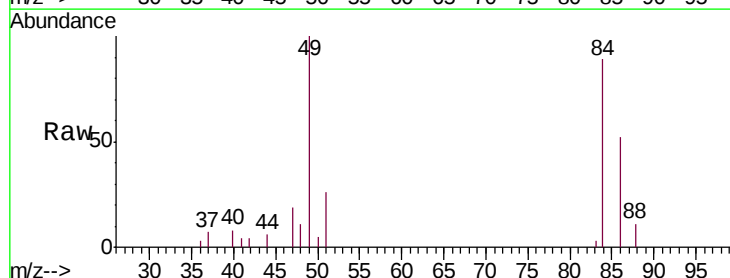
Tgt Ion: 84 Resp: 4181

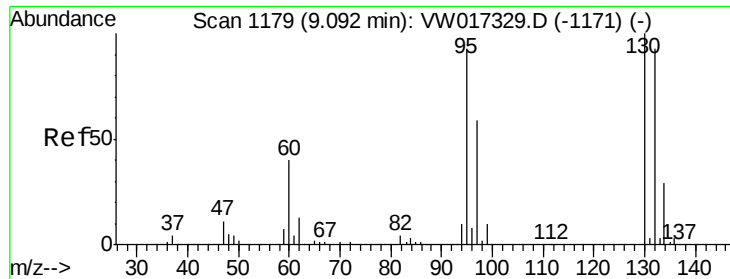
Ion Ratio Lower Upper

84 100

49 112.9 71.5 132.9

86 59.0 42.8 79.4





#35

Trichloroethene

Concen: 4.621 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017343.D

Acq: 18 Nov 2020 21:25

Instrument :

MSVOA_W

ClientSampleId :

GB0Y8RE

Tgt Ion: 95 Resp: 4539

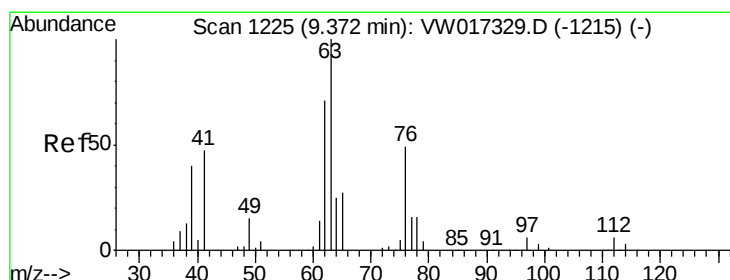
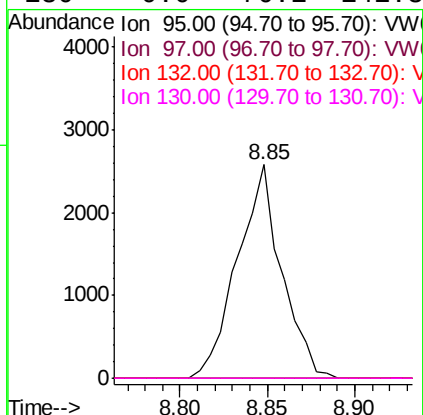
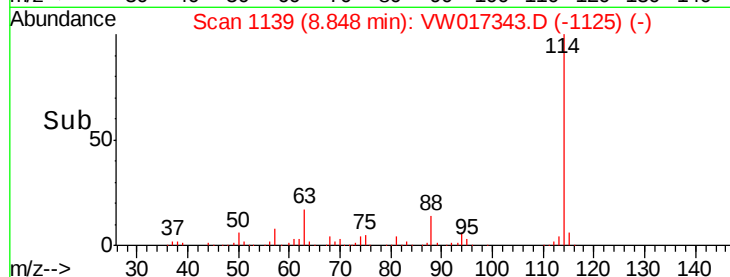
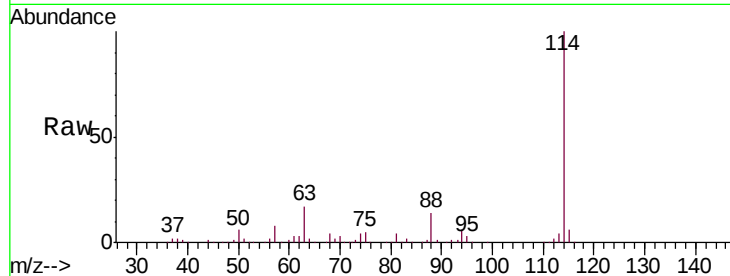
Ion Ratio Lower Upper

95 100

97 0.0 44.7 82.9#

132 0.0 72.7 134.9#

130 0.0 76.1 141.3#



#40

1,2-Dichloropropane

Concen: 9.061 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW017343.D

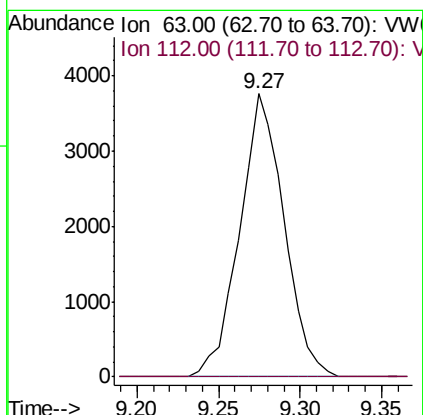
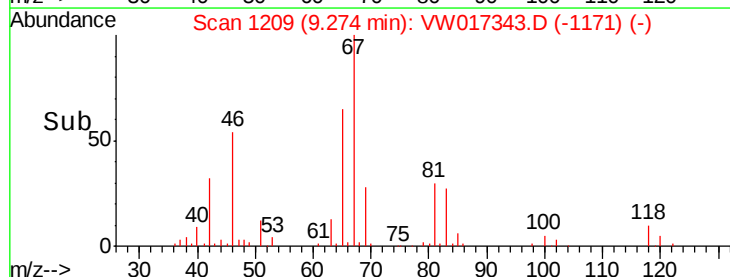
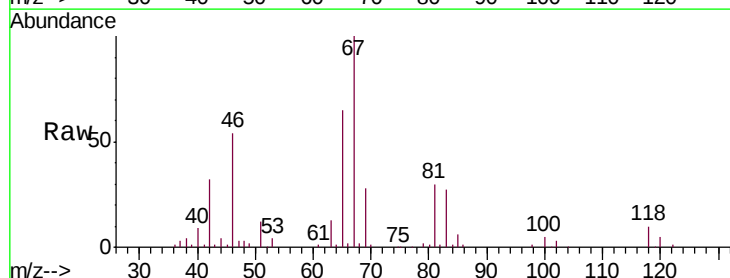
Acq: 18 Nov 2020 21:25

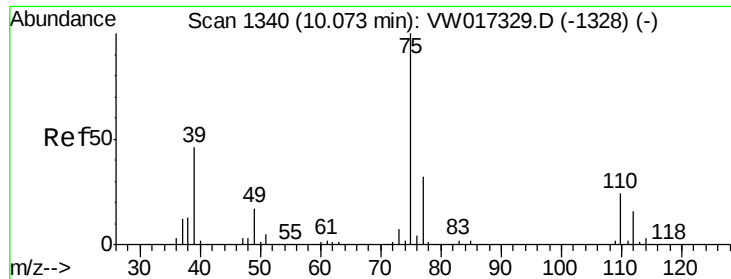
Tgt Ion: 63 Resp: 7116

Ion Ratio Lower Upper

63 100

112 0.0 4.2 6.4#

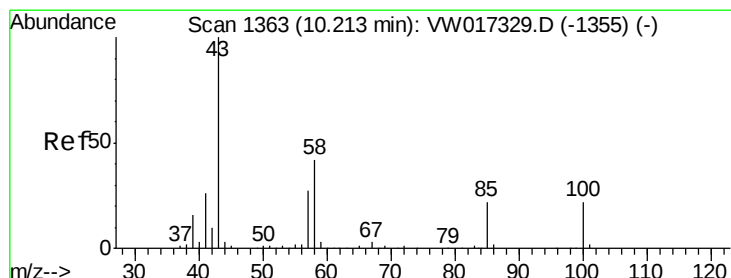
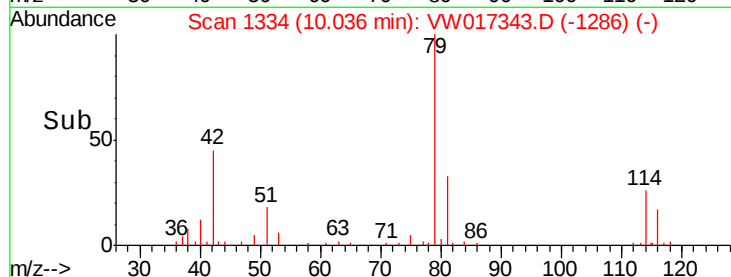
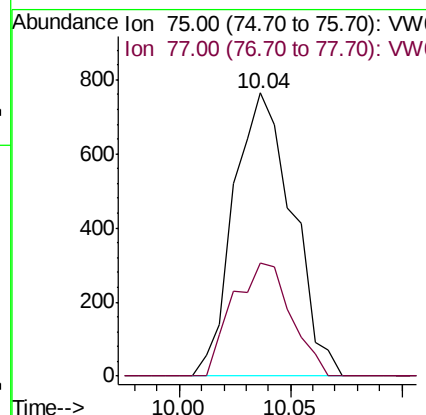
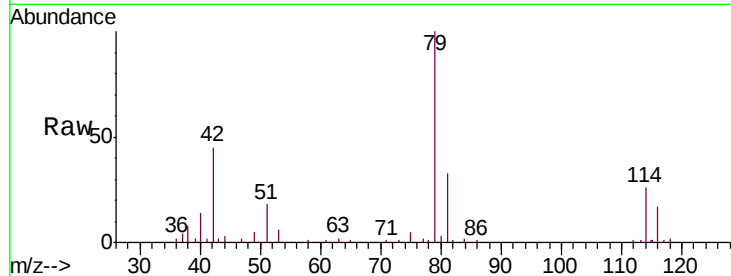




#42
 cis-1,3-Dichloropropene
 Concen: 1.148 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017343.D
 Acq: 18 Nov 2020 21:25

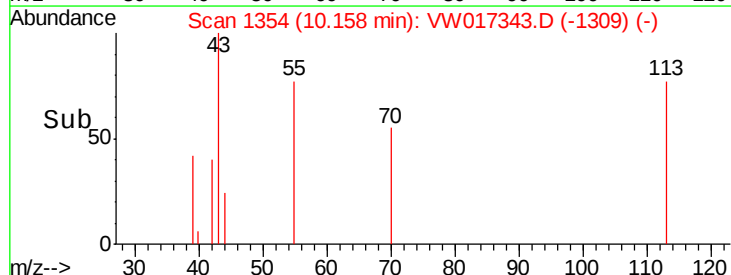
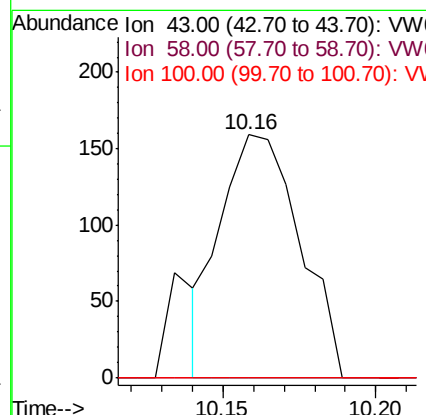
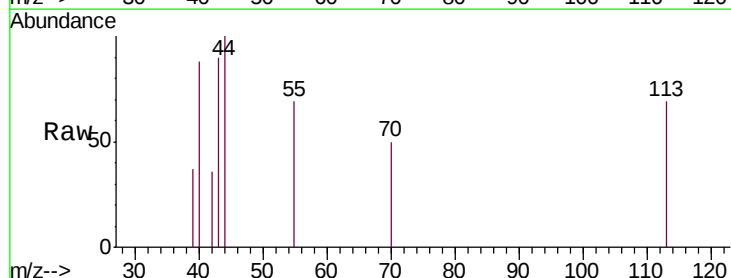
Instrument :
 MSVOA_W
 ClientSampled :
 GB0Y8RE

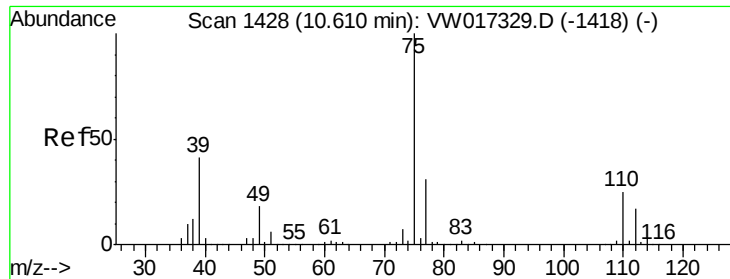
Tgt Ion: 75 Resp: 1399
 Ion Ratio Lower Upper
 75 100
 77 39.8 21.8 40.4



#43
 4-Methyl-2-pentanone
 Concen: 0.736 ug/L
 RT: 10.16 min Scan# 1354
 Delta R.T. -0.06 min
 Lab File: VW017343.D
 Acq: 18 Nov 2020 21:25

Tgt Ion: 43 Resp: 287
 Ion Ratio Lower Upper
 43 100
 58 0.0 33.4 50.2#
 100 0.0 16.3 24.5#





#45

trans-1,3-Dichloropropene

Concen: 0.568 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW017343.D

Acq: 18 Nov 2020 21:25

Instrument :

MSVOA_W

ClientSampleId :

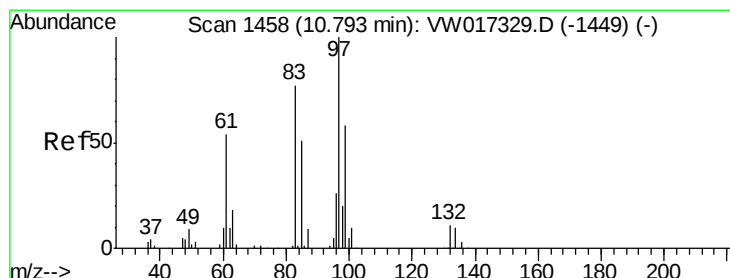
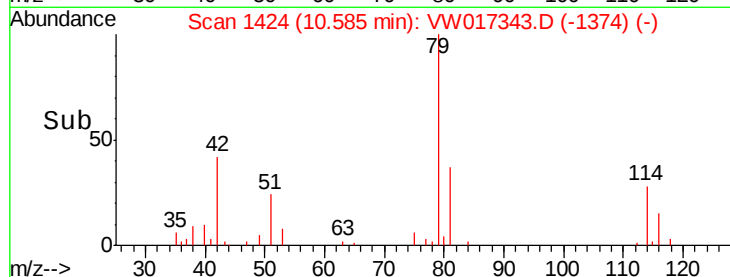
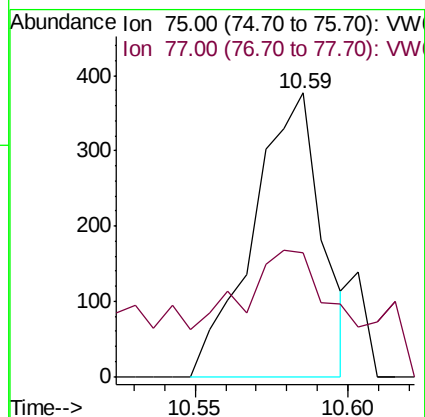
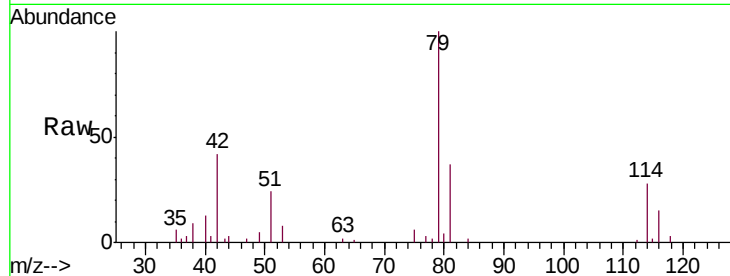
GB0Y8RE

Tgt Ion: 75 Resp: 587

Ion Ratio Lower Upper

75 100

77 43.8 22.0 40.8#



#46

1,1,2-Trichloroethane

Concen: 0.807 ug/L

RT: 10.73 min Scan# 1447

Delta R.T. -0.07 min

Lab File: VW017343.D

Acq: 18 Nov 2020 21:25

Tgt Ion: 97 Resp: 499

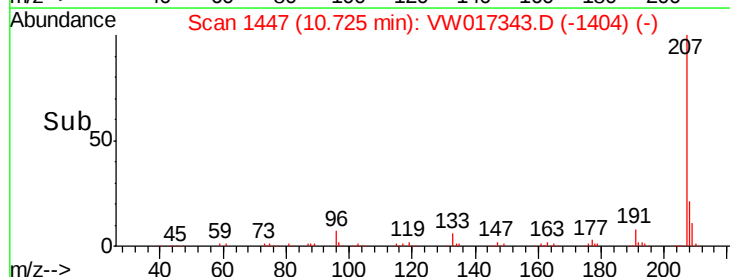
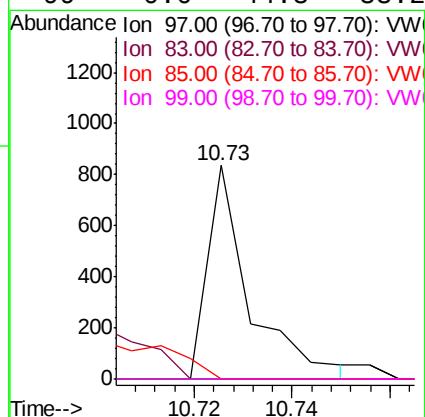
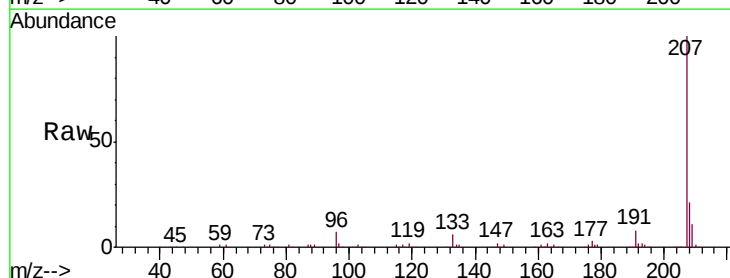
Ion Ratio Lower Upper

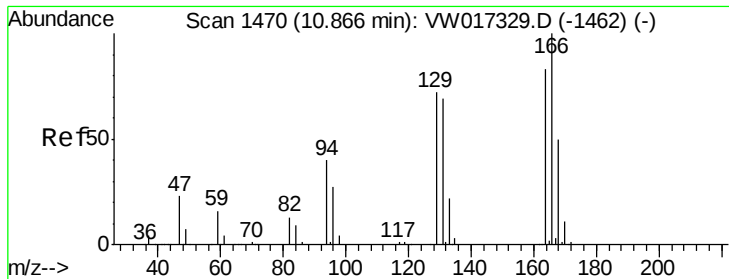
97 100

83 0.0 56.6 105.2#

85 0.0 37.7 69.9#

99 0.0 44.8 83.2#





#47

Tetrachloroethene

Concen: 1.242 ug/L

RT: 10.71 min Scan# 1445

Delta R.T. -0.15 min

Lab File: VW017343.D

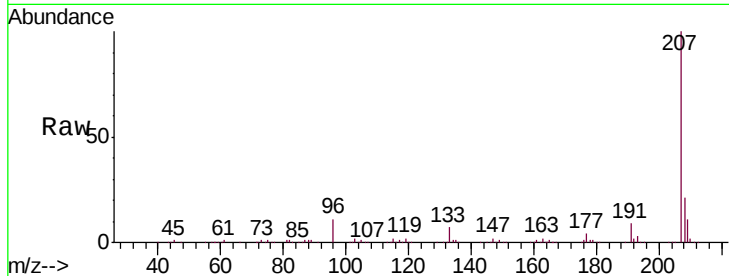
Acq: 18 Nov 2020 21:25

Instrument :

MSVOA_W

ClientSampled :

GB0Y8RE



Tgt Ion: 164 Resp: 1106

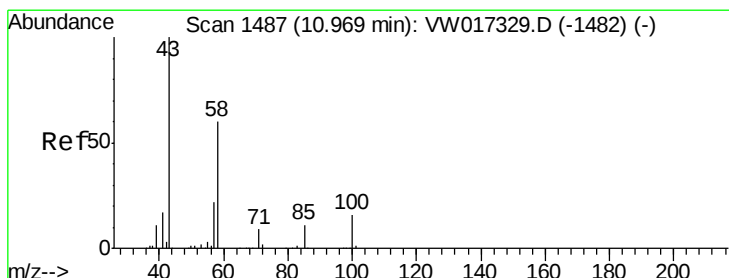
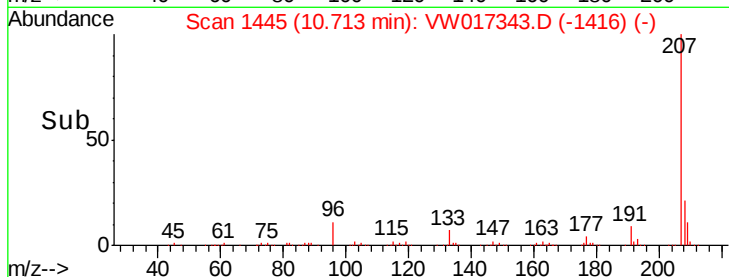
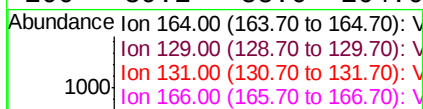
Ion Ratio Lower Upper

164 100

129 15.5 60.6 112.6#

131 52.4 60.4 112.2#

166 39.1 88.6 164.6#



#49

2-Hexanone

Concen: 6.027 ug/L

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW017343.D

Acq: 18 Nov 2020 21:25

Tgt Ion: 43 Resp: 1414

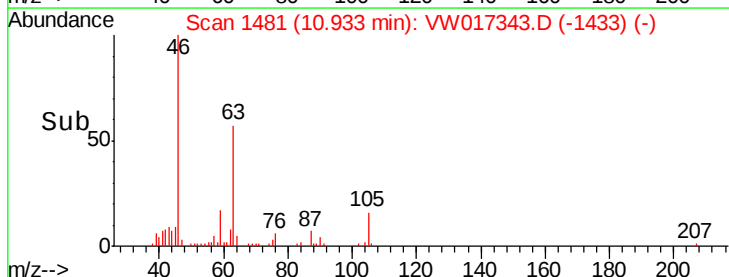
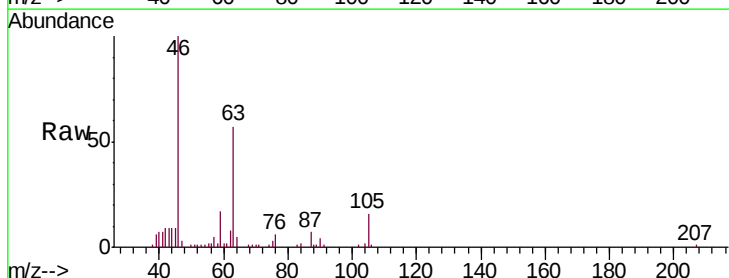
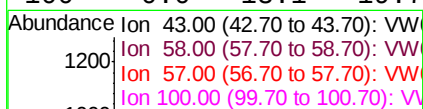
Ion Ratio Lower Upper

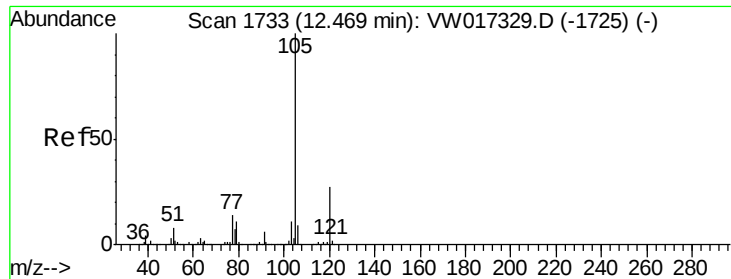
43 100

58 24.2 49.4 74.0#

57 40.1 17.0 25.4#

100 0.0 13.1 19.7#





#57

Isopropylbenzene

Concen: 0.341 ug/L

RT: 12.60 min Scan# 1755

Delta R.T. 0.13 min

Lab File: VW017343.D

Acq: 18 Nov 2020 21:25

Instrument :

MSVOA_W

ClientSampleId :

GB0Y8RE

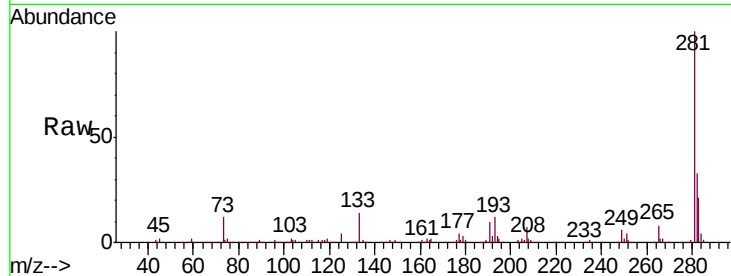
Tgt Ion: 105 Resp: 1476

Ion Ratio Lower Upper

105 100

120 49.9 21.6 32.4#

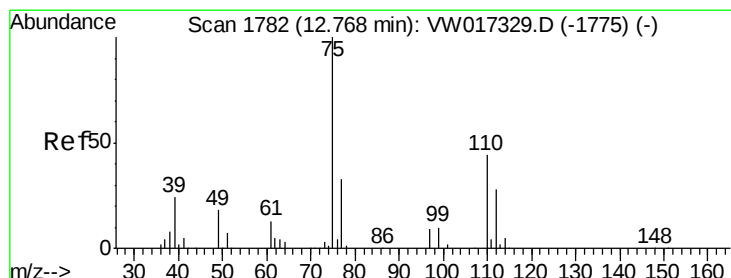
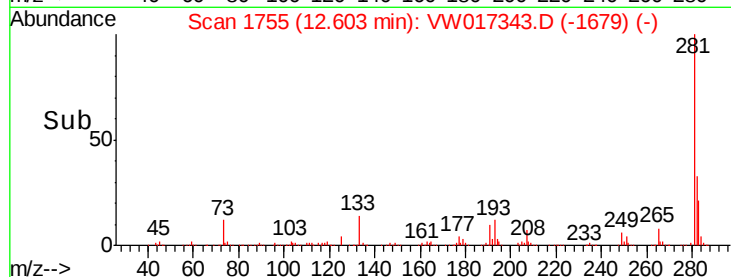
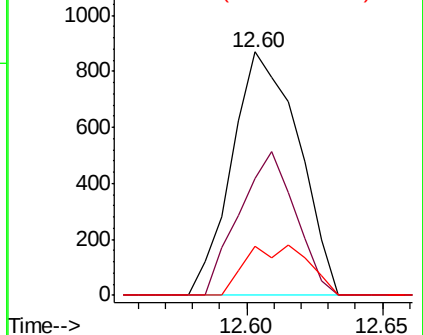
77 9.8 11.8 17.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#59

1,2,3-Trichloropropane

Concen: 2.091 ug/L

RT: 13.57 min Scan# 1913

Delta R.T. 0.80 min

Lab File: VW017343.D

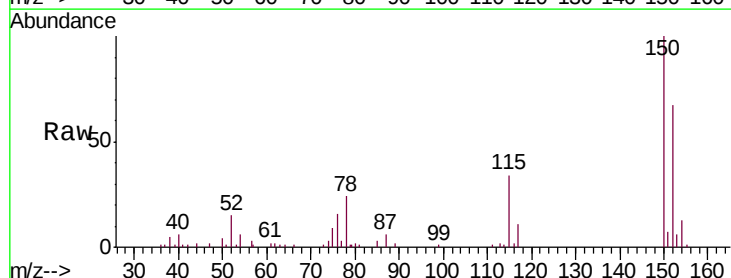
Acq: 18 Nov 2020 21:25

Tgt Ion: 75 Resp: 1012

Ion Ratio Lower Upper

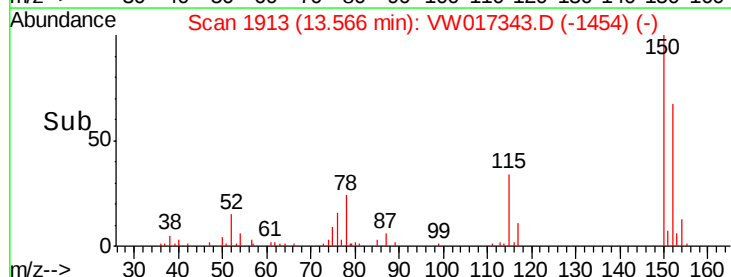
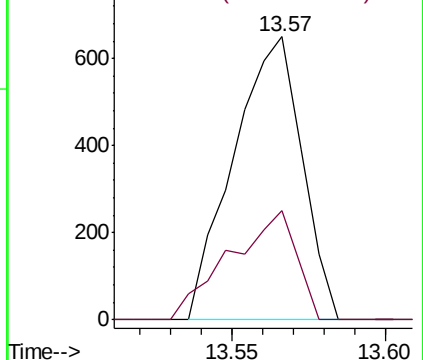
75 100

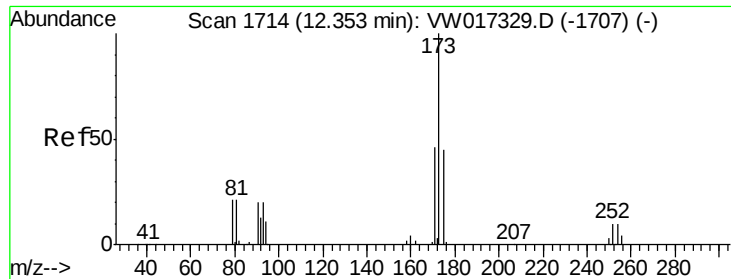
77 37.5 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V





#62

Bromoform

Concen: 0.571 ug/L

RT: 12.61 min Scan# 1756

Delta R.T. 0.26 min

Lab File: VW017343.D

Acq: 18 Nov 2020 21:25

Instrument :

MSVOA_W

ClientSampleId :

GB0Y8RE

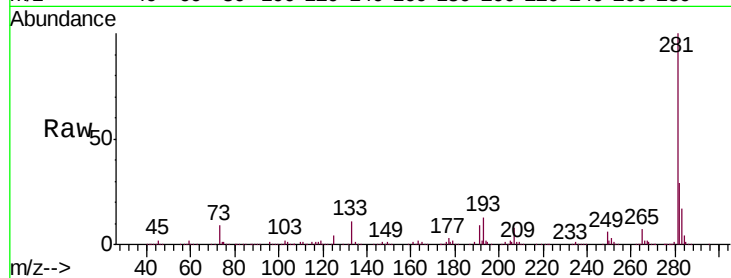
Tgt Ion:173 Resp: 74

Ion Ratio Lower Upper

173 100

175 1309.5 40.0 60.0#

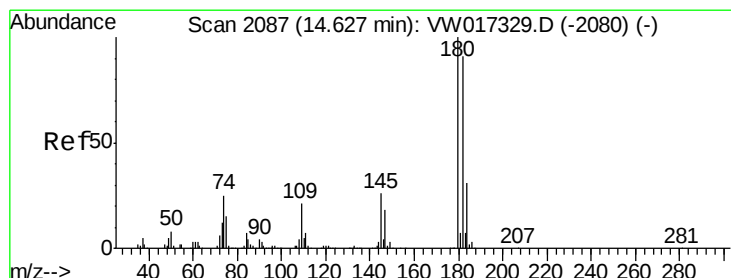
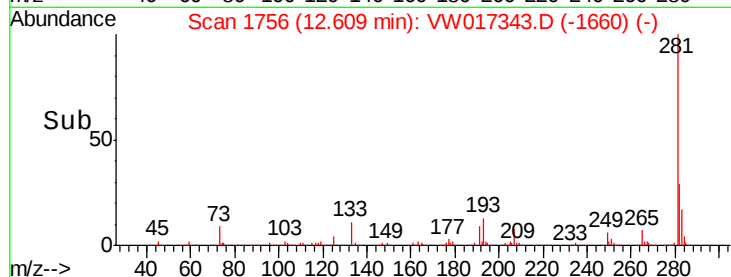
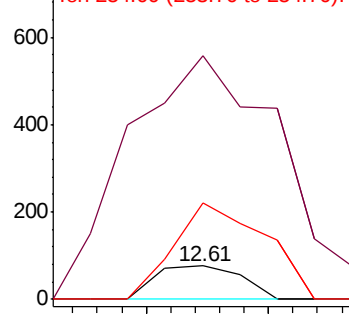
254 309.5 8.0 12.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#67

1,3,5-Trichlorobenzene

Concen: 1.108 ug/L

RT: 14.07 min Scan# 1996

Delta R.T. -0.55 min

Lab File: VW017343.D

Acq: 18 Nov 2020 21:25

Tgt Ion:180 Resp: 484

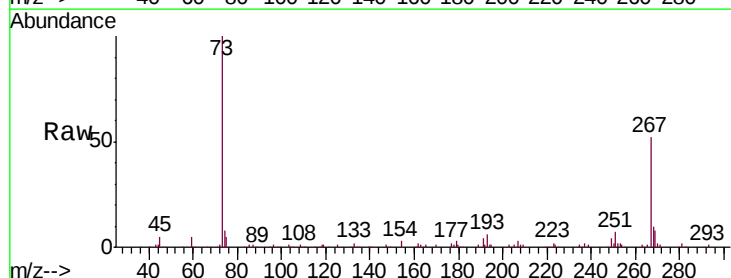
Ion Ratio Lower Upper

180 100

182 0.0 76.8 115.2#

184 0.0 23.9 35.9#

145 0.0 22.6 33.8#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

