

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100720\
 Data File : VW016820.D
 Acq On : 07 Oct 2020 02:14
 Operator : SY/VA
 Sample : L4254-15
 Misc : 5.40G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3T8

Quant Time: Oct 07 03:16:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 03:05:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	643546	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	654486	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	300415	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	159669	25.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.60%
7) Chloroethane-d5	2.89	69	132665	24.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.64%
10) 1,1-Dichloroethene-d2	4.02	63	218204	16.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.76%
20) 2-Butanone-d5	7.07	46	63605	44.23	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.46%
24) Chloroform-d	7.65	84	310690	22.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.52%
26) 1,2-Dichloroethane-d4	8.43	65	165	0.03	ug/L	0.12
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.12%#
29) Benzene-d6	8.27	84	648699	21.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.28%
33) 1,2-Dichloropropane-d6	9.27	67	179731	22.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.00%
37) Toluene-d8	10.32	98	649963	23.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.68%
38) trans-1,3-Dichloropropene-	10.58	79	78117	22.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.68%
39) 2-Hexanone-d5	10.93	63	60606	49.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.12%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	152578	23.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	242589	25.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.84%

Target Compounds

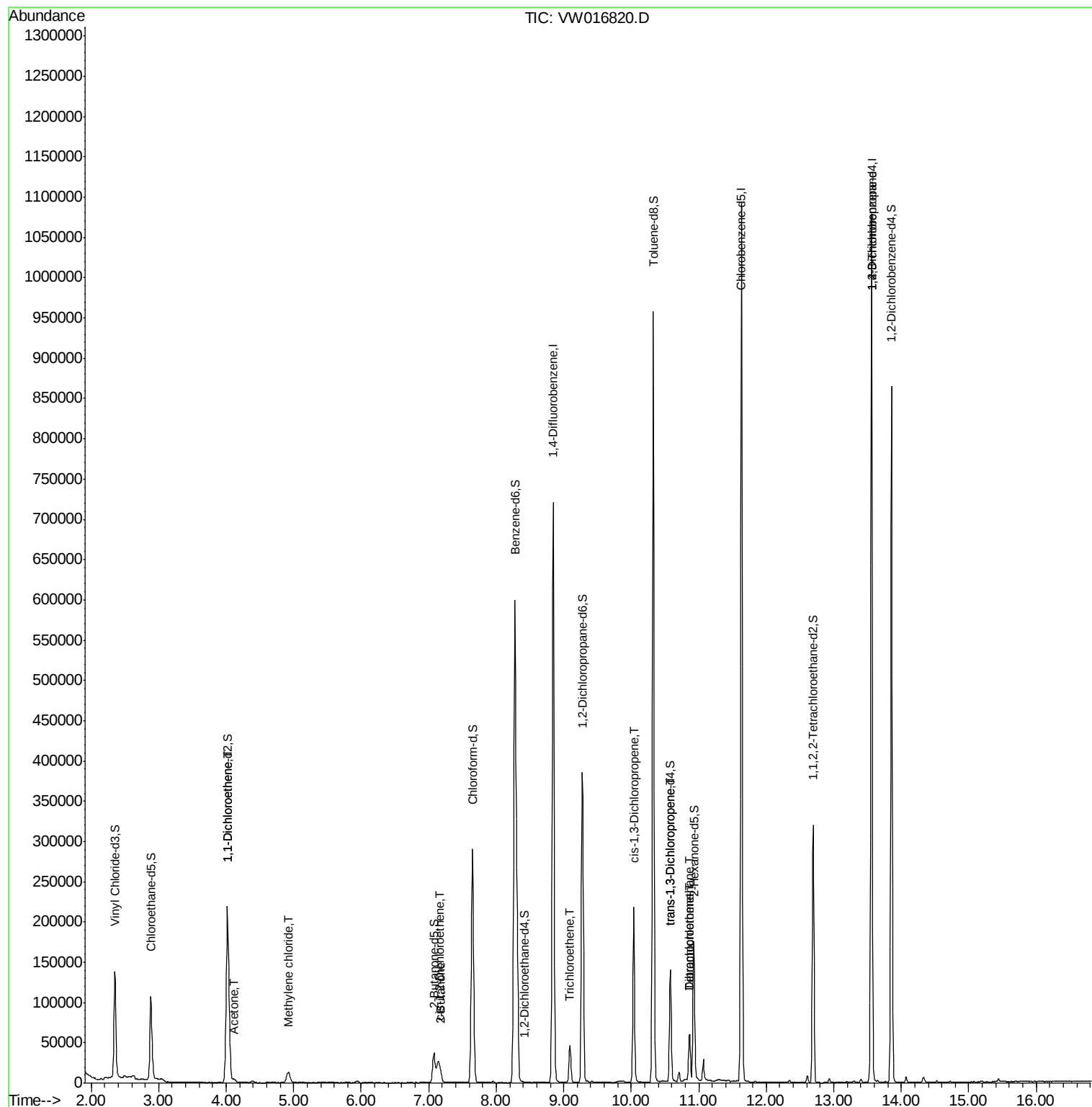
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.02	96	2250	0.270	ug/L #	1
13) Acetone	4.11	43	3334	3.064	ug/L	99
16) Methylene chloride	4.92	84	12736	1.434	ug/L	93
21) 2-Butanone	7.18	43	1230	0.673	ug/L	82
22) cis-1,2-Dichloroethene	7.17	96	7807	0.880	ug/L	97
35) Trichloroethene	9.09	95	15253	1.534	ug/L	99
42) cis-1,3-Dichloropropene	10.03	75	5376	0.424	ug/L #	67
45) trans-1,3-Dichloropropene	10.58	75	3619	0.339	ug/L	97
47) Tetrachloroethene	10.87	164	14463	1.569	ug/L	91
50) Dibromochloromethane	10.86	129	12919	1.608	ug/L #	11
59) 1,2,3-Trichloropropane	13.56	75	31190	6.030	ug/L	95

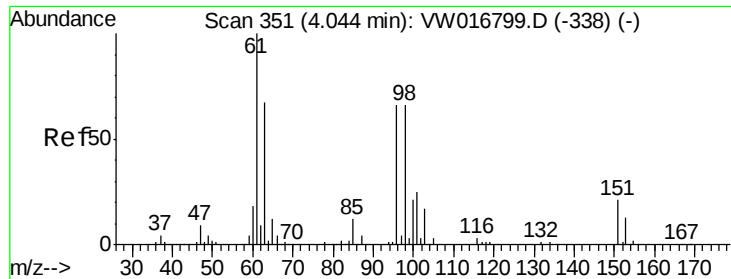
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.270 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.02 min

Lab File: VW016820.D

Acq: 07 Oct 2020 02:14

Instrument :

MSVOA_W

ClientSampled :

BG3T8

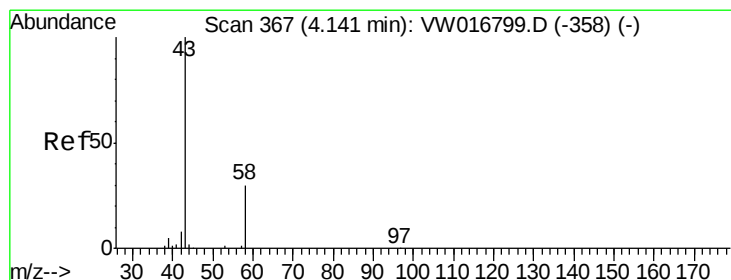
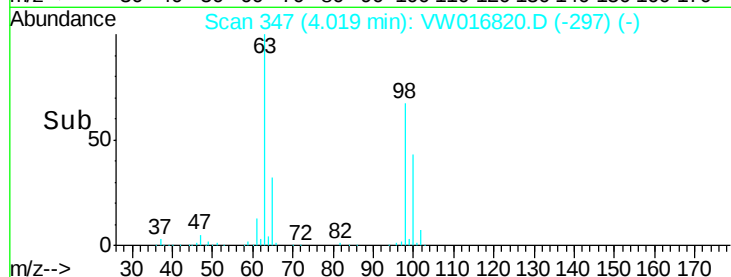
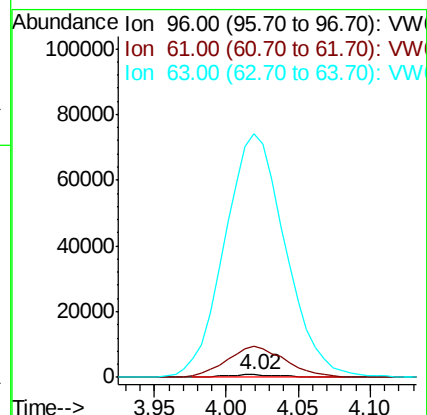
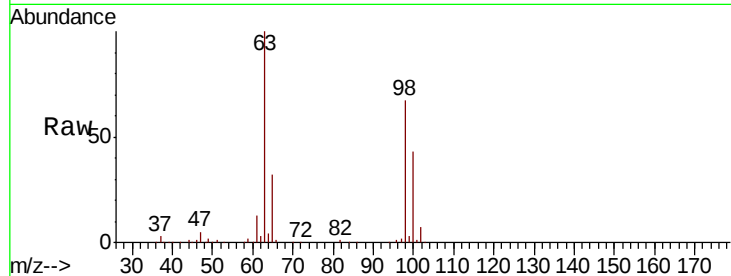
Tot Ion: 96 Resp: 2250

Ion Ratio Lower Upper

96 100

61 1245.1 105.1 195.1#

63 9706.9 69.9 129.7#



#13

Acetone

Concen: 3.064 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.03 min

Lab File: VW016820.D

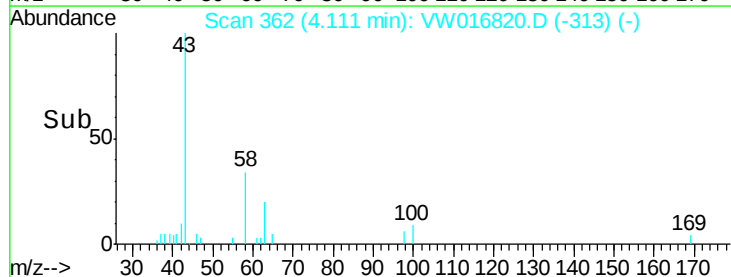
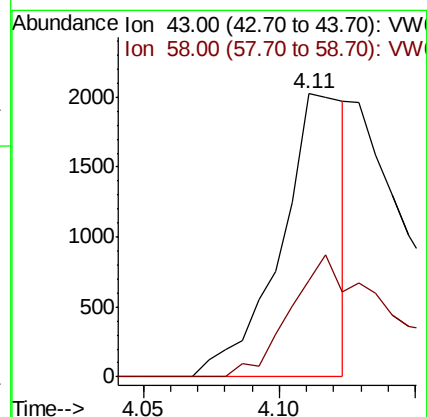
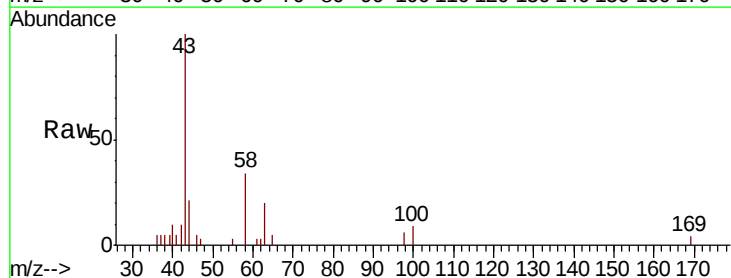
Acq: 07 Oct 2020 02:14

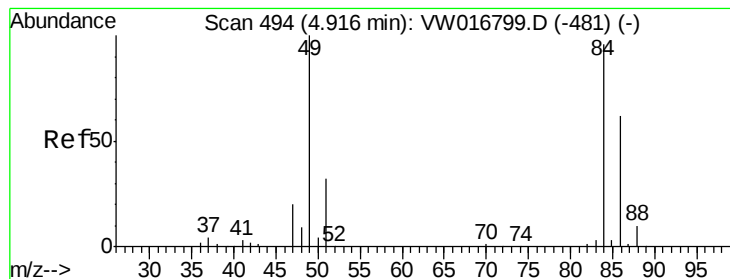
Tgt Ion: 43 Resp: 3334

Ion Ratio Lower Upper

43 100

58 34.6 0.0 67.6





#16

Methylene chloride

Concen: 1.434 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW016820.D

Acq: 07 Oct 2020 02:14

Instrument :

MSVOA_W

ClientSampled :

BG3T8

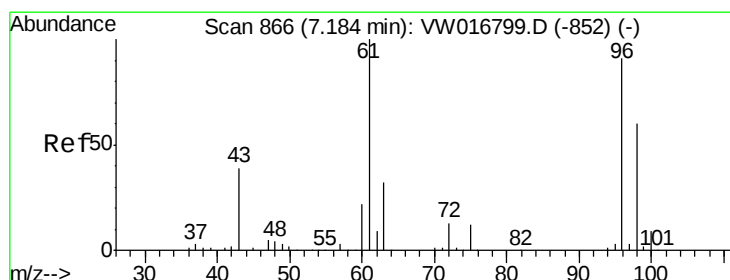
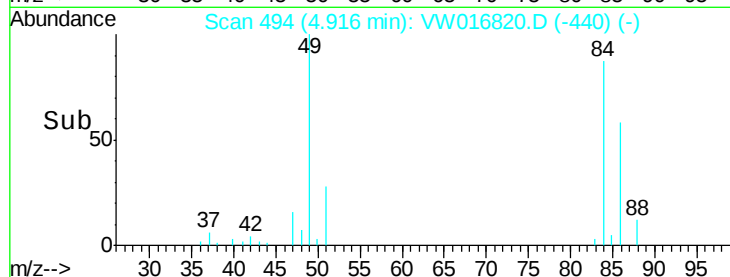
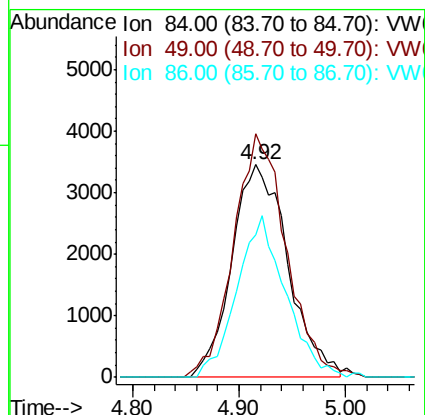
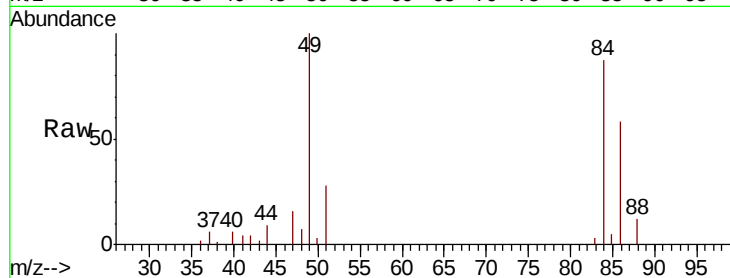
Tot Ion: 84 Resp: 12736

Ion Ratio Lower Upper

84 100

49 114.6 73.1 135.8

86 66.9 46.0 85.4



#21

2-Butanone

Concen: 0.673 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW016820.D

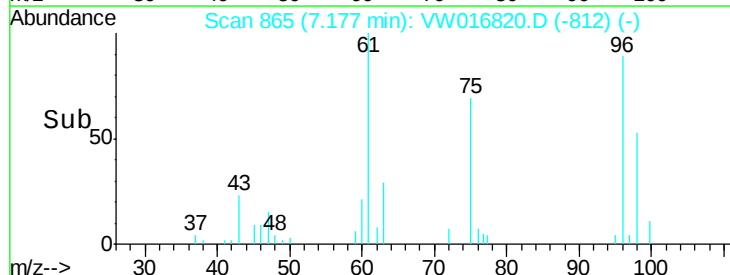
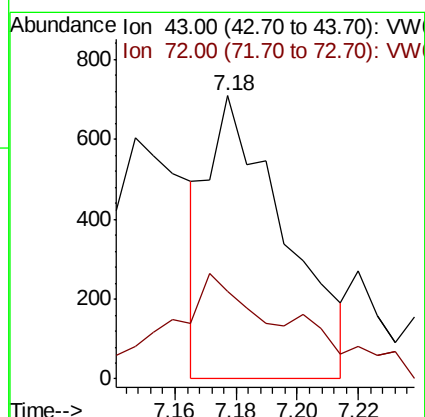
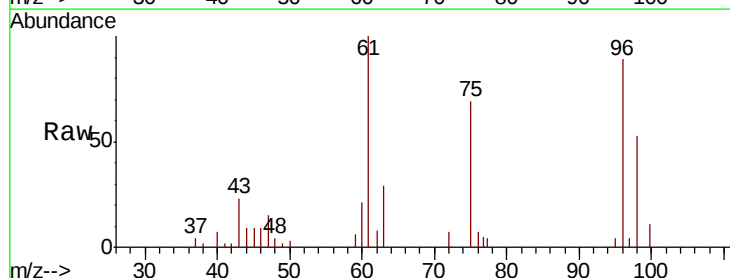
Acq: 07 Oct 2020 02:14

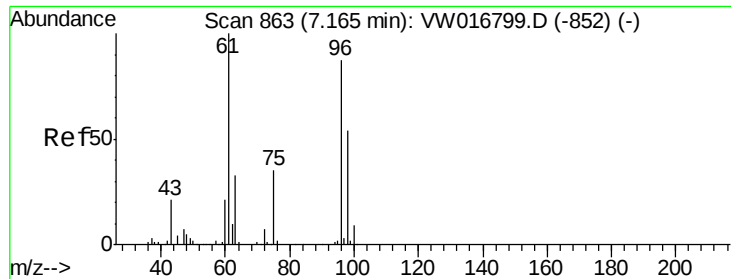
Tgt Ion: 43 Resp: 1230

Ion Ratio Lower Upper

43 100

72 22.4 16.2 48.5



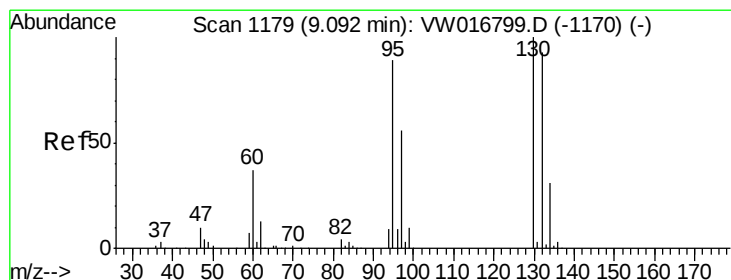
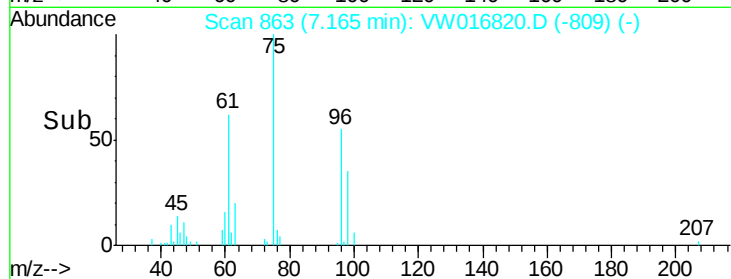
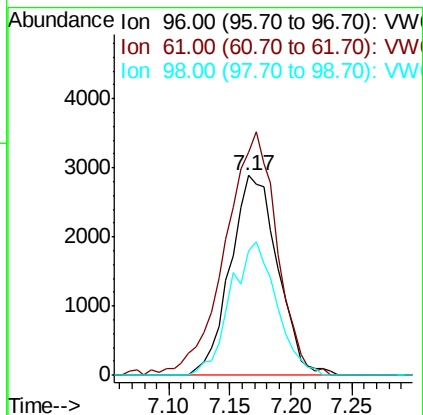
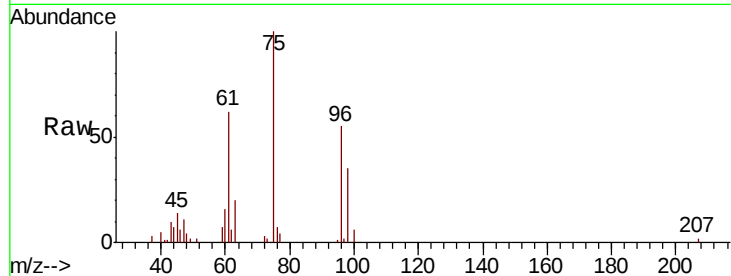


#22

cis-1,2-Dichloroethene
Concen: 0.880 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW016820.D
Acq: 07 Oct 2020 02:14

Instrument :
MSVOA_W
ClientSampleId :
BG3T8

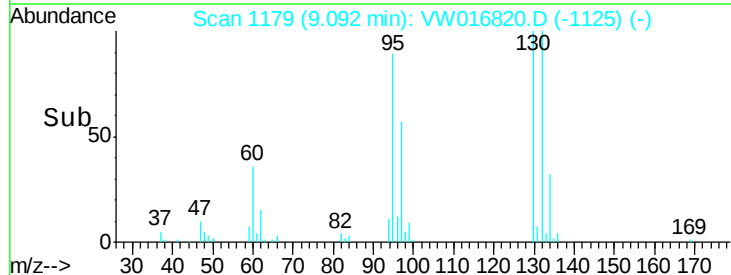
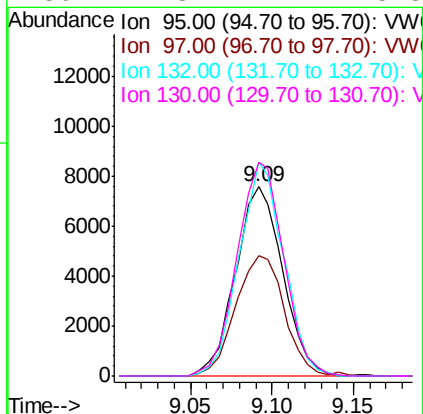
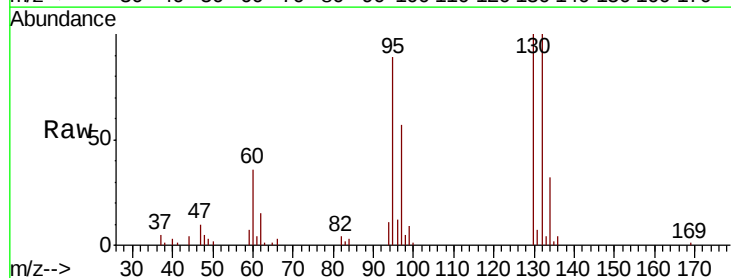
Tot Ion: 96 Resp: 7807
Ion Ratio Lower Upper
96 100
61 111.9 76.0 141.2
98 62.3 42.7 79.3

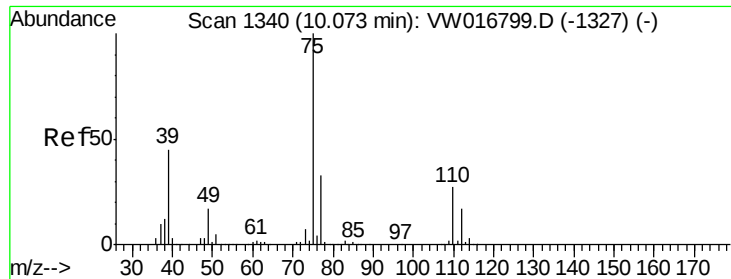


#35

Trichloroethene
Concen: 1.534 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW016820.D
Acq: 07 Oct 2020 02:14

Tgt Ion: 95 Resp: 15253
Ion Ratio Lower Upper
95 100
97 65.4 44.7 83.1
132 106.6 73.8 137.2
130 111.8 77.1 143.3

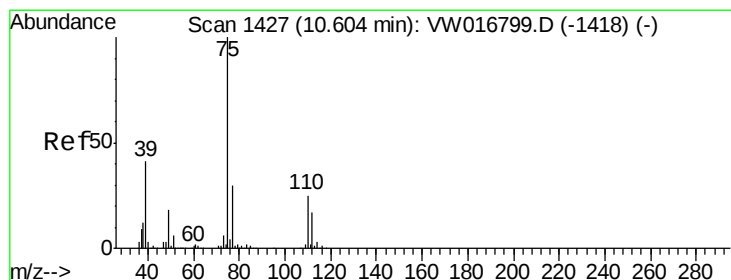
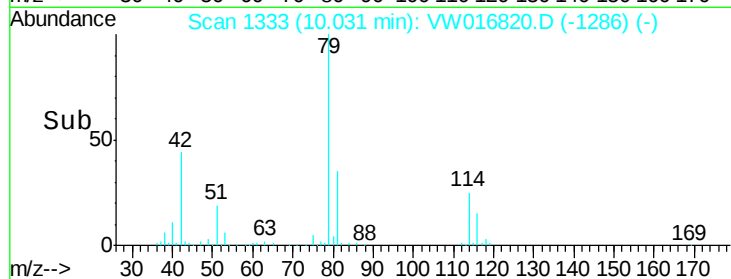
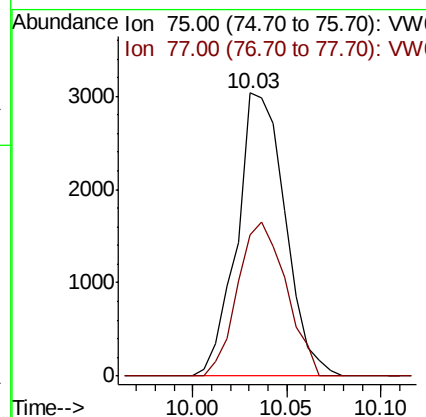
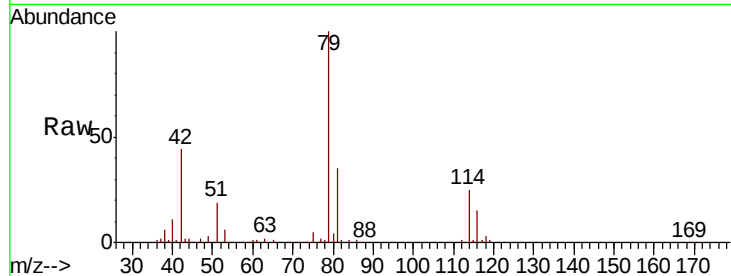




#42
cis-1,3-Dichloropropene
Concen: 0.424 ug/L
RT: 10.03 min Scan# 1333
Delta R.T. -0.04 min
Lab File: VW016820.D
Acq: 07 Oct 2020 02:14

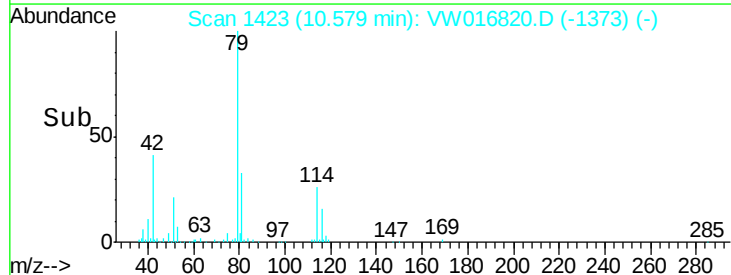
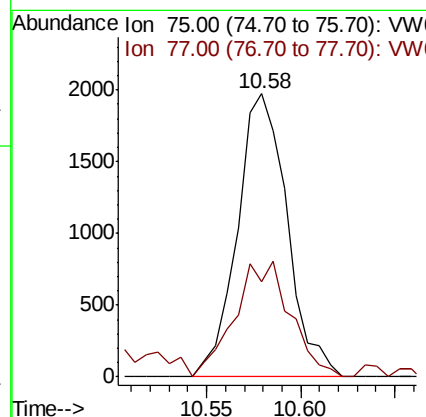
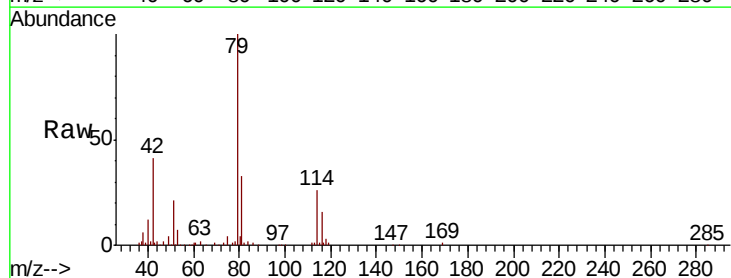
Instrument :
MSVOA_W
ClientSampleId :
BG3T8

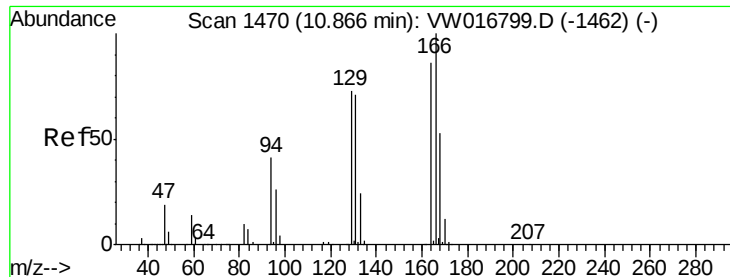
Tot Ion: 75 Resp: 5376
Ion Ratio Lower Upper
75 100
77 49.8 22.1 41.1#



#45
trans-1,3-Dichloropropene
Concen: 0.339 ug/L
RT: 10.58 min Scan# 1423
Delta R.T. -0.02 min
Lab File: VW016820.D
Acq: 07 Oct 2020 02:14

Tgt Ion: 75 Resp: 3619
Ion Ratio Lower Upper
75 100
77 33.6 22.2 41.2





#47

Tetrachloroethene

Concen: 1.569 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016820.D

Acq: 07 Oct 2020 02:14

Instrument :

MSVOA_W

ClientSampleId :

BG3T8

Tot Ion:164 Resp: 14463

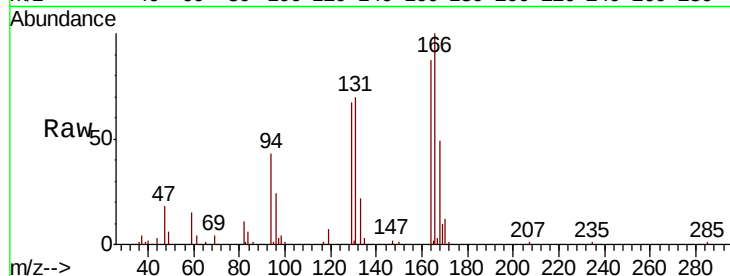
Ion Ratio Lower Upper

164 100

129 77.5 61.7 114.7

131 80.8 59.7 110.9

166 115.0 88.3 164.1

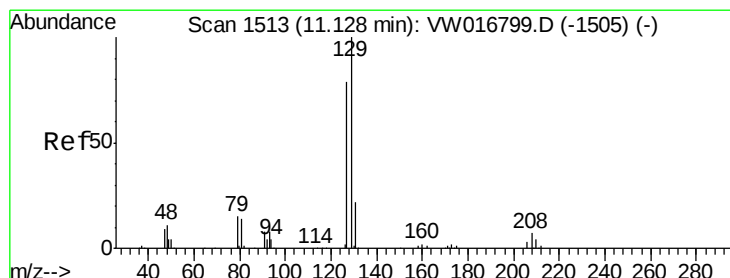
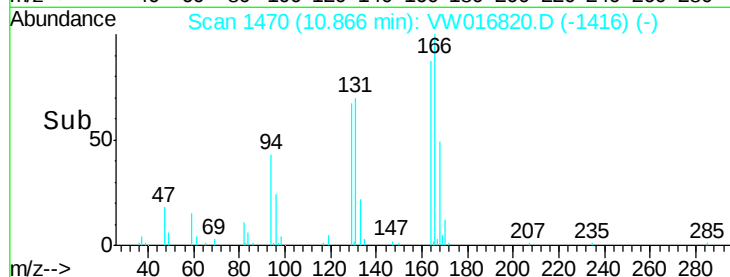
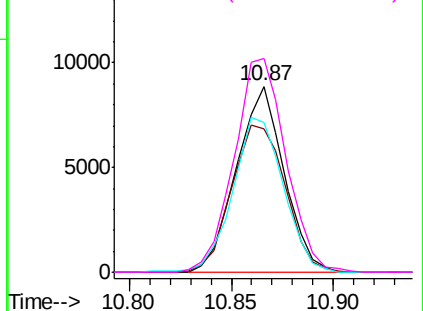


Abundance Ion 164.00 (163.70 to 164.70): V

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: 1.608 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW016820.D

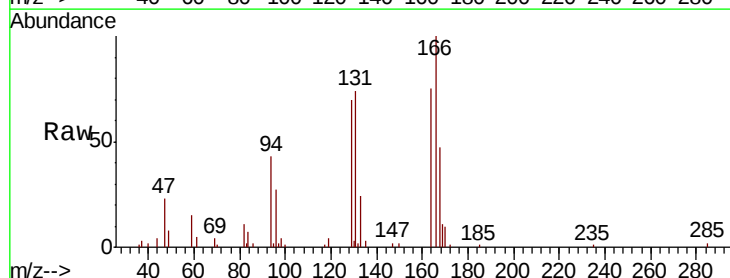
Acq: 07 Oct 2020 02:14

Tgt Ion:129 Resp: 12919

Ion Ratio Lower Upper

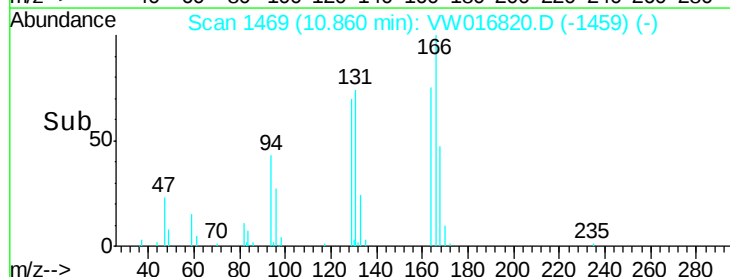
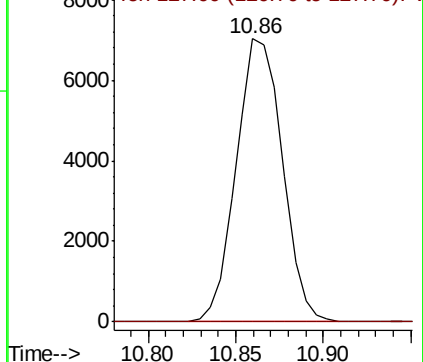
129 100

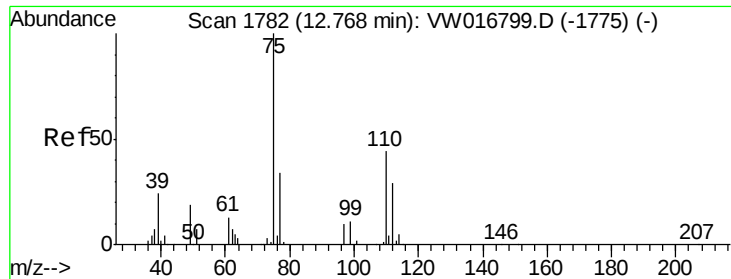
127 0.0 54.0 100.4#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 6.030 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016820.D

Acq: 07 Oct 2020 02:14

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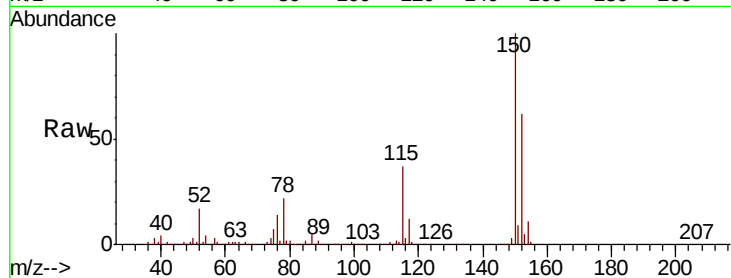
BG3T8

Tot Ion: 75 Resp: 31190

Ion Ratio Lower Upper

75 100

77 35.4 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

