

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100220\
 Data File : VW016771.D
 Acq On : 02 Oct 2020 18:31
 Operator : SY/VA
 Sample : L4235-09
 Misc : 4.10G/10ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 03 04:58:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 03 04:48:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	620543	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	510676	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	203679	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	176053	29.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	117.24%
7) Chloroethane-d5	2.90	69	177998	36.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	145.16%
10) 1,1-Dichloroethene-d2	4.03	63	308092	22.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.76%
20) 2-Butanone-d5	7.09	46	98176	59.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.90%
24) Chloroform-d	7.65	84	545304	42.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	168.04%#
26) 1,2-Dichloroethane-d4	8.31	65	256673	38.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	154.08%#
29) Benzene-d6	8.28	84	1025782	44.79	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	179.16%#
33) 1,2-Dichloropropane-d6	9.28	67	296702	47.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	191.20%#
37) Toluene-d8	10.33	98	917183	40.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	162.84%#
38) trans-1,3-Dichloropropene-	10.59	79	107873	34.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	137.92%#
39) 2-Hexanone-d5	10.93	63	83447	73.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	147.84%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	215541	40.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	163.24%#
61) 1,2-Dichlorobenzene-d4	13.86	152	287672	44.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	176.80%#

Target Compounds

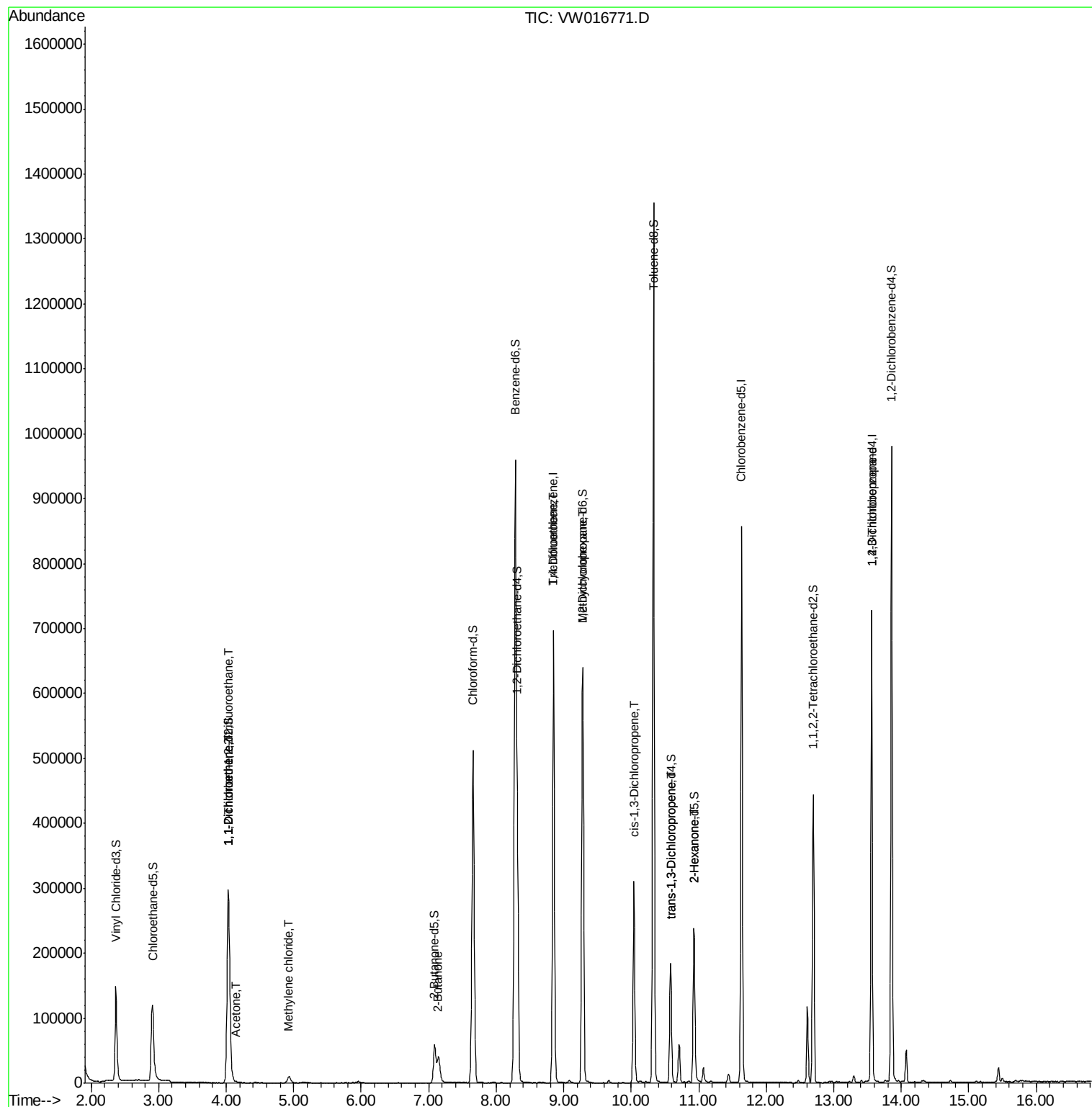
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.04	101	3188	0.399	ug/L #	17
12) 1,1-Dichloroethene	4.03	96	2621	0.333	ug/L #	1
13) Acetone	4.15	43	1202	0.937	ug/L	98
16) Methylene chloride	4.93	84	8320	0.869	ug/L	95
21) 2-Butanone	7.14	43	4483	2.054	ug/L #	54
35) Trichloroethene	8.85	95	17483	2.208	ug/L #	2
36) Methylcyclohexane	9.28	83	77559	5.774	ug/L #	21
42) cis-1,3-Dichloropropene	10.04	75	8131	0.748	ug/L #	66
45) trans-1,3-Dichloropropene	10.59	75	4899	0.518	ug/L	96
49) 2-Hexanone	10.93	43	12214	4.758	ug/L #	65
59) 1,2,3-Trichloropropane	13.56	75	20068	4.492	ug/L	92

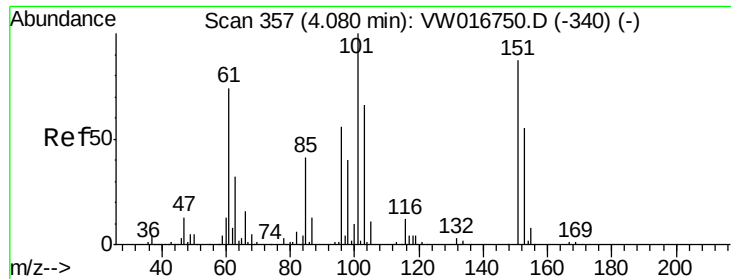
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Oct 03 04:48:41 2020
Response via : Initial Calibration





#11

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

Concen: 0.399 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.04 min

Lab File: VW016771.D

Acq: 02 Oct 2020 18:31

Instrument :

MSVOA_W

ClientSampled :

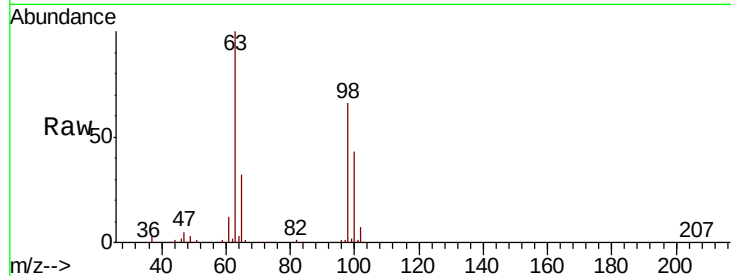
Tot Ion:101 Resp: 3188

Ion Ratio Lower Upper

101 100

85 0.0 32.6 49.0#

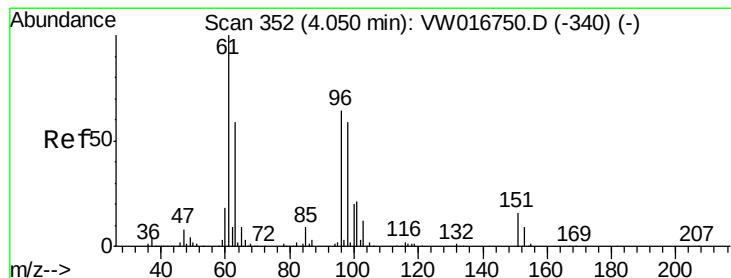
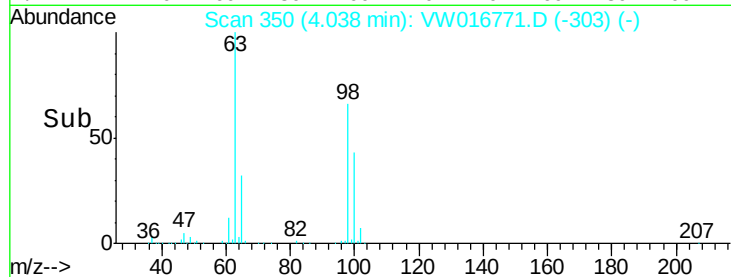
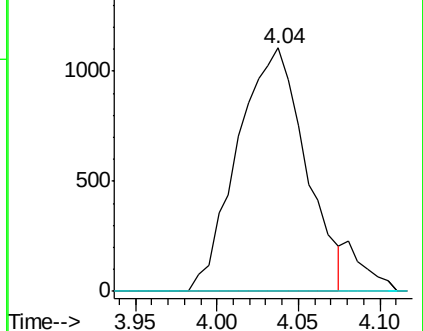
151 0.0 66.0 99.0#



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: 0.333 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.02 min

Lab File: VW016771.D

Acq: 02 Oct 2020 18:31

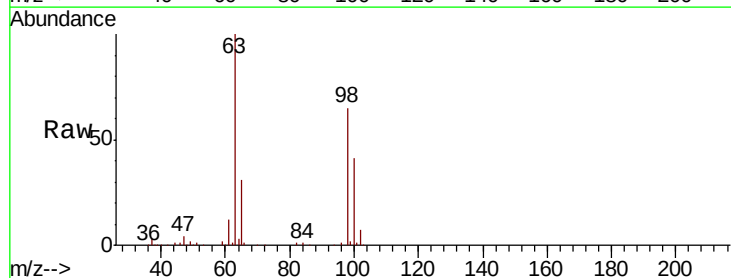
Tgt Ion: 96 Resp: 2621

Ion Ratio Lower Upper

96 100

61 1381.8 111.4 206.8#

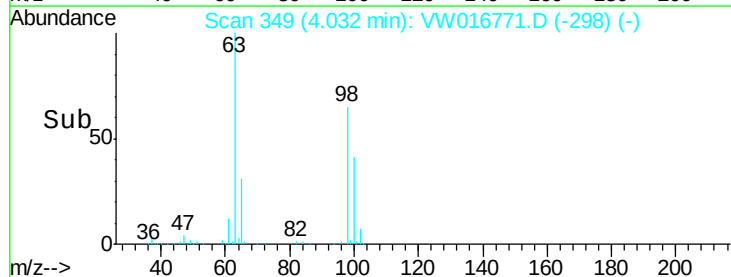
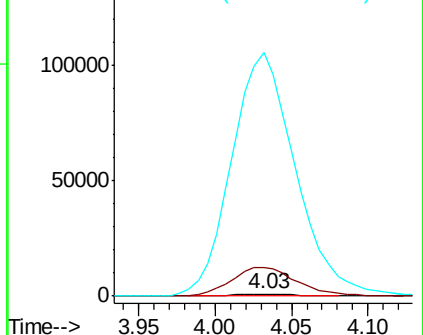
63 11745.5 73.0 135.6#

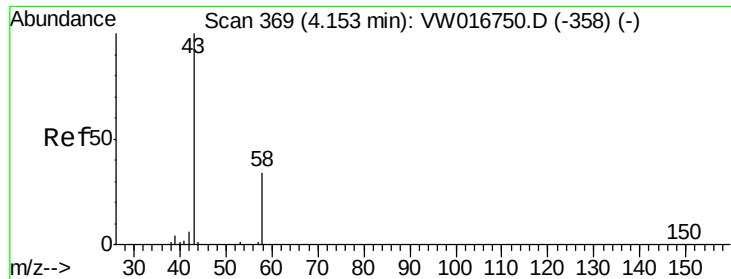


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 0.937 ug/L

RT: 4.15 min Scan# 368

Delta R.T. -0.01 min

Lab File: VW016771.D

Acq: 02 Oct 2020 18:31

Instrument :

MSVOA_W

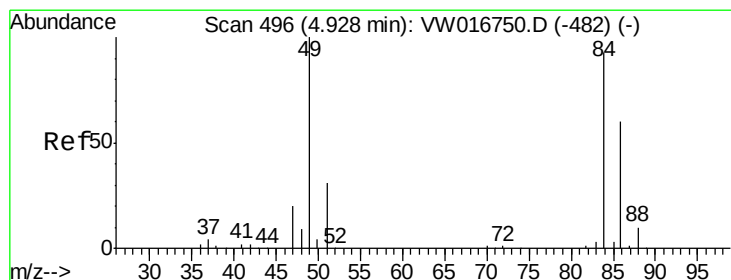
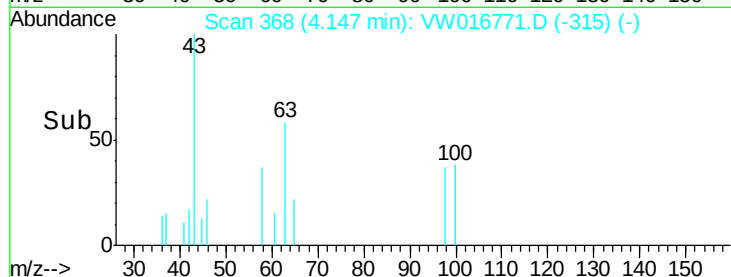
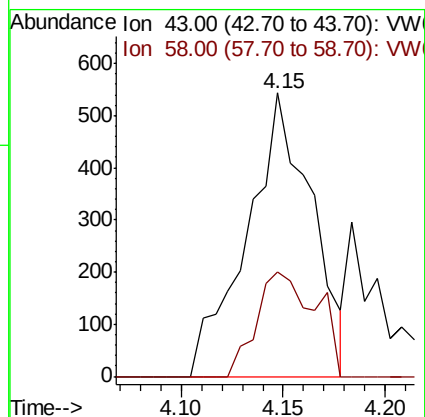
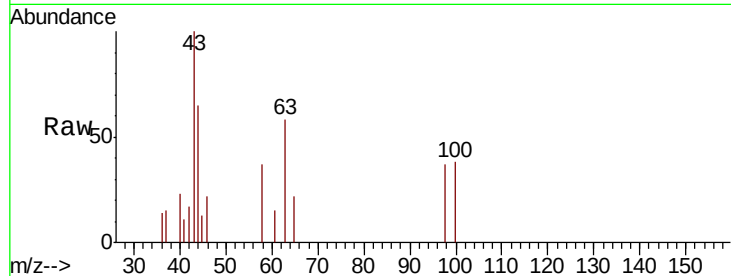
ClientSampled :

Tot Ion: 43 Resp: 1202

Ion Ratio Lower Upper

43 100

58 28.8 0.0 60.2



#16

Methylene chloride

Concen: 0.869 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW016771.D

Acq: 02 Oct 2020 18:31

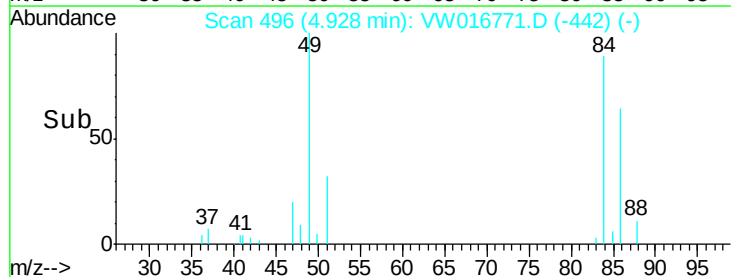
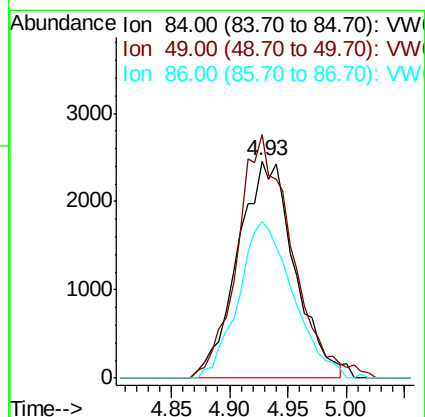
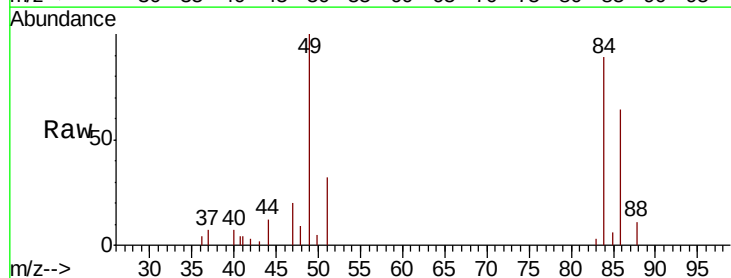
Tgt Ion: 84 Resp: 8320

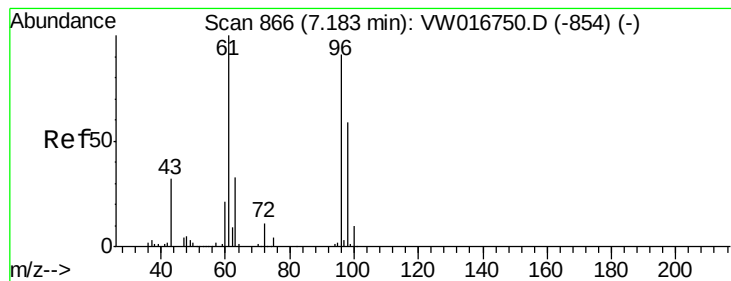
Ion Ratio Lower Upper

84 100

49 112.3 76.0 141.2

86 72.0 45.6 84.6





#21

2-Butanone

Concen: 2.054 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW016771.D

Acq: 02 Oct 2020 18:31

Instrument :

MSVOA_W

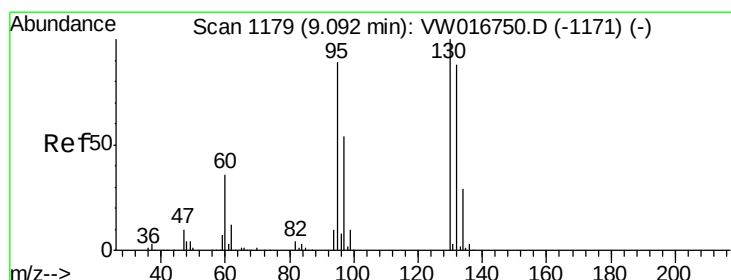
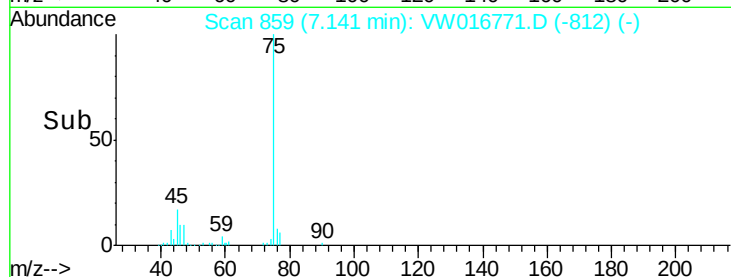
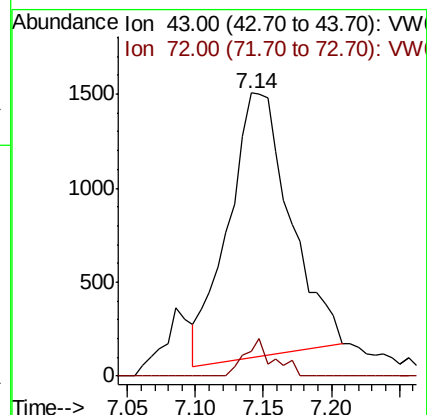
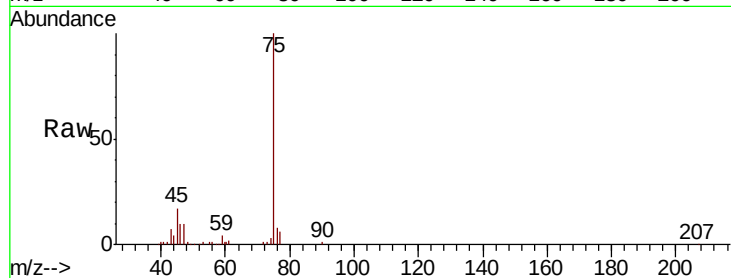
ClientSampleId :

Tot Ion: 43 Resp: 4483

Ion Ratio Lower Upper

43 100

72 4.6 14.6 43.8#



#35

Trichloroethene

Concen: 2.208 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW016771.D

Acq: 02 Oct 2020 18:31

Tgt Ion: 95 Resp: 17483

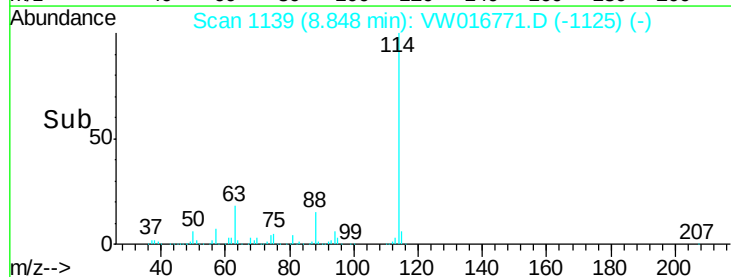
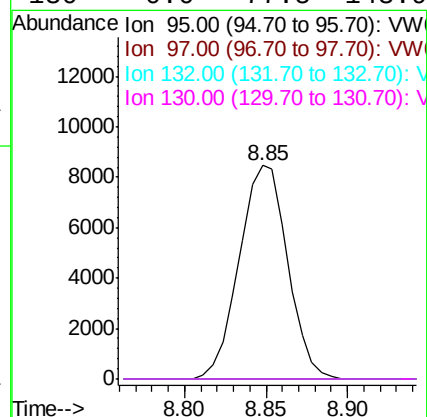
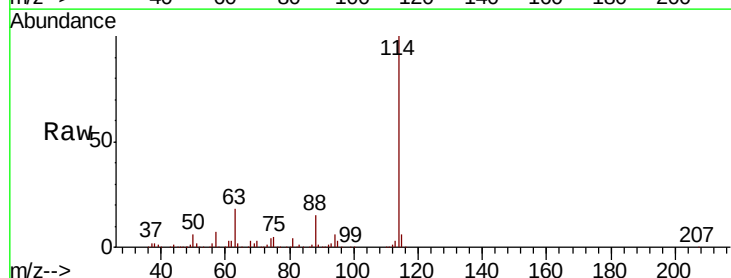
Ion Ratio Lower Upper

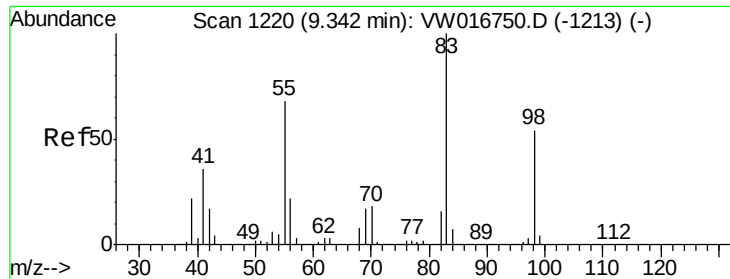
95 100

97 0.0 45.2 84.0#

132 0.2 73.3 136.1#

130 0.0 77.5 143.9#

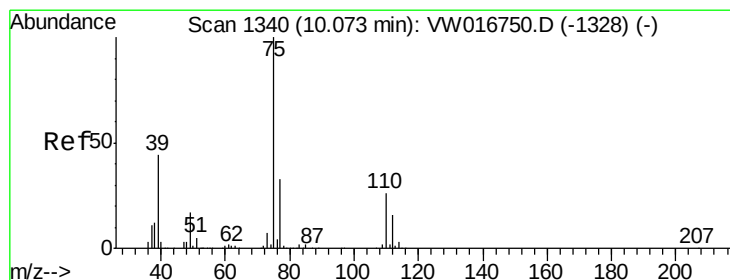
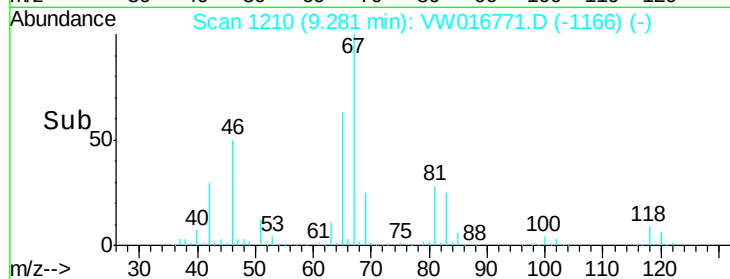
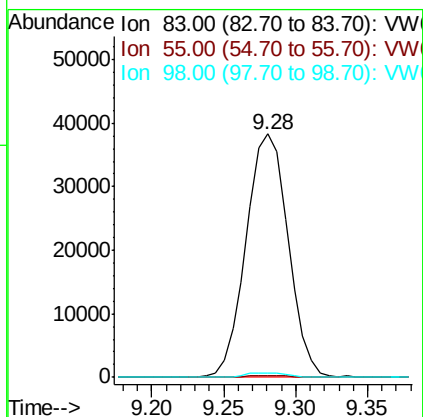
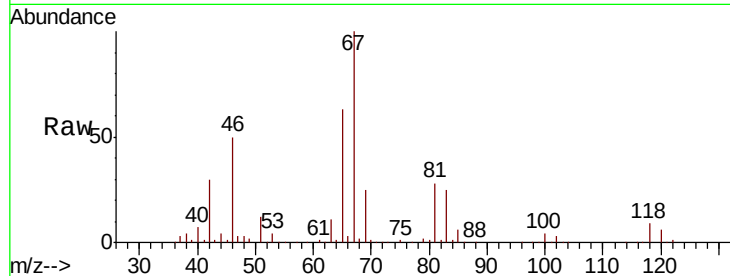




#36
Methylcyclohexane
Concen: 5.774 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.06 min
Lab File: VW016771.D
Acq: 02 Oct 2020 18:31

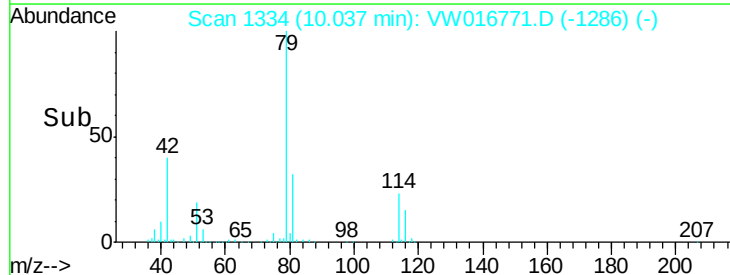
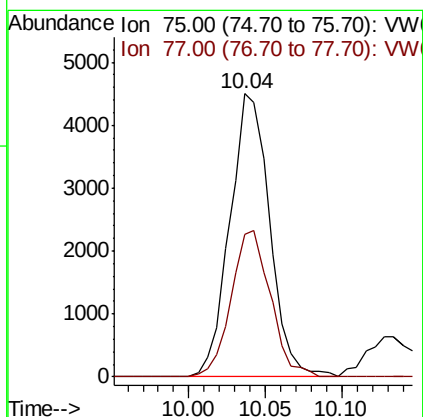
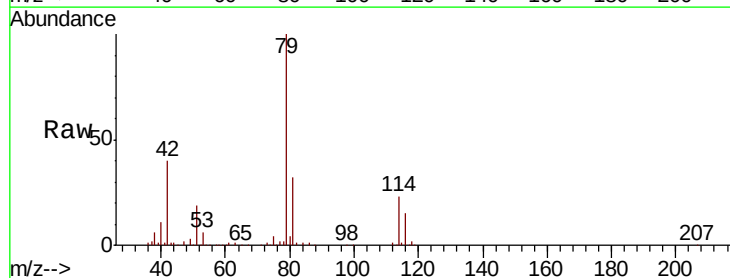
Instrument :
MSVOA_W
ClientSampled :

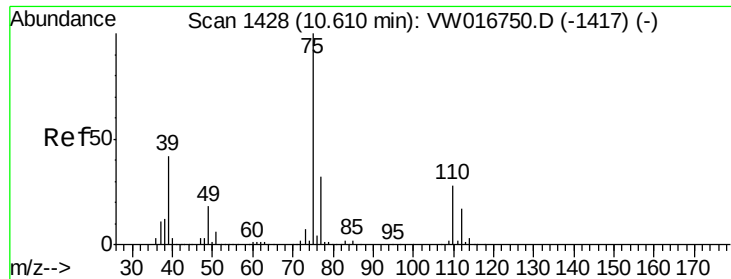
Tot Ion: 83 Resp: 77559
Ion Ratio Lower Upper
83 100
55 0.6 55.9 83.9#
98 1.9 42.1 63.1#



#42
cis-1,3-Dichloropropene
Concen: 0.748 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW016771.D
Acq: 02 Oct 2020 18:31

Tgt Ion: 75 Resp: 8131
Ion Ratio Lower Upper
75 100
77 50.6 22.2 41.2#





#45

trans-1,3-Dichloropropene

Concen: 0.518 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016771.D

Acq: 02 Oct 2020 18:31

Instrument :

MSVOA_W

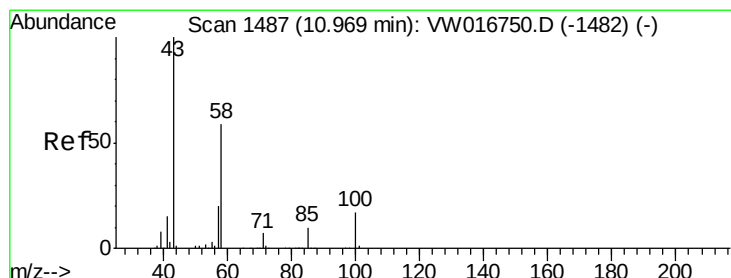
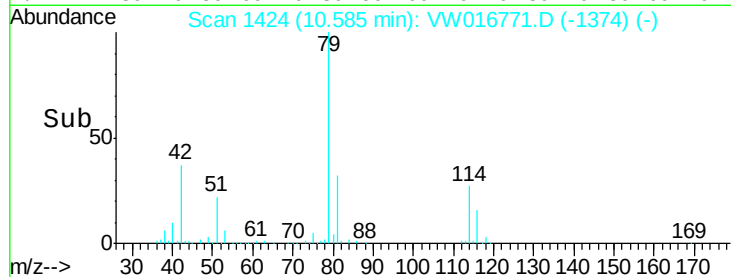
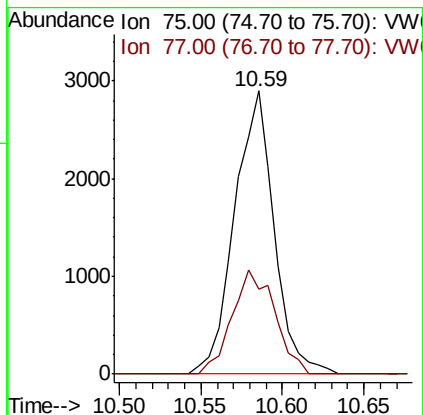
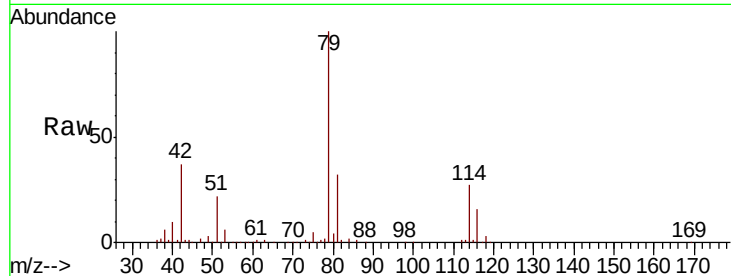
ClientSampleId :

Tot Ion: 75 Resp: 4899

Ion Ratio Lower Upper

75 100

77 30.2 22.5 41.9



#49

2-Hexanone

Concen: 4.758 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW016771.D

Acq: 02 Oct 2020 18:31

Tgt Ion: 43 Resp: 12214

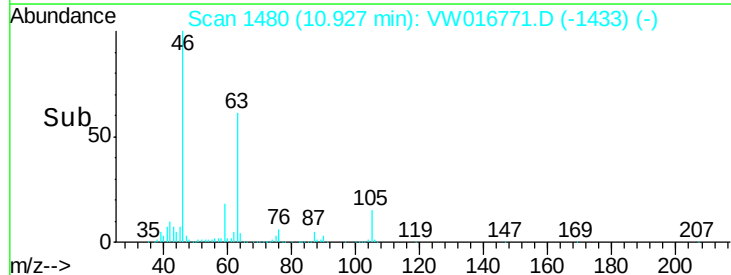
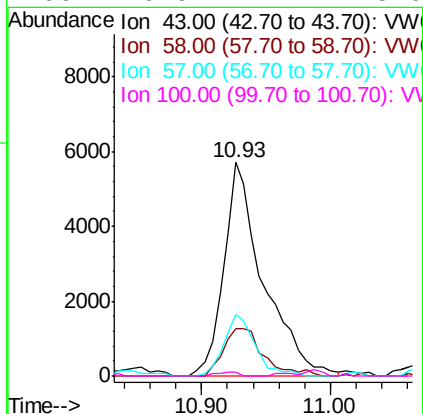
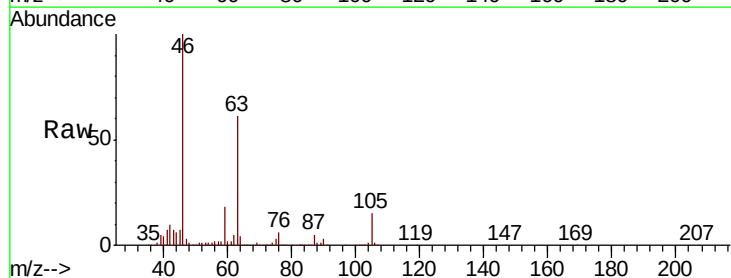
Ion Ratio Lower Upper

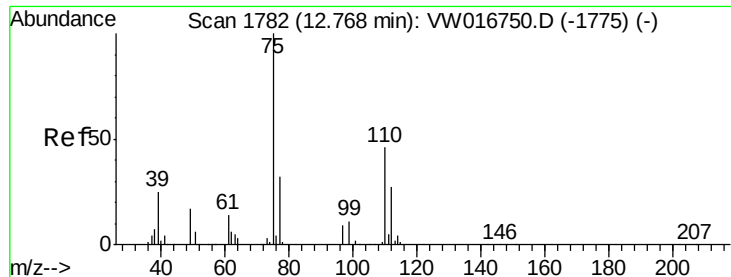
43 100

58 21.7 44.2 66.2#

57 23.1 16.3 24.5

100 0.9 12.4 18.6#





#59

1,2,3-Trichloropropane

Concen: 4.492 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016771.D

Acq: 02 Oct 2020 18:31

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 20068

Ion Ratio Lower Upper

75 100

77 37.5 26.2 39.4

