

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081220\
 Data File : VW016150.D
 Acq On : 12 Aug 2020 10:46
 Operator : SY/VA
 Sample : L3599-06MS
 Misc : 5.70G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 01:25:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 01:23:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	315629	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	223311	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	50831	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	98457	25.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.64%
7) Chloroethane-d5	2.89	69	72809	24.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.04%
10) 1,1-Dichloroethene-d2	4.01	63	191693	23.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.24%
20) 2-Butanone-d5	7.09	46	72950	70.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	141.70%#
24) Chloroform-d	7.65	84	199253	23.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.08%
26) 1,2-Dichloroethane-d4	8.31	65	109230	24.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.12%
29) Benzene-d6	8.27	84	380378	31.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	125.24%
33) 1,2-Dichloropropane-d6	9.27	67	111892	31.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	125.28%#
37) Toluene-d8	10.33	98	288849	25.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.68%
38) trans-1,3-Dichloropropene-	10.58	79	38860	24.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.80%
39) 2-Hexanone-d5	10.93	63	42932	69.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	139.34%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	82259	28.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	46724	25.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.72%

Target Compounds

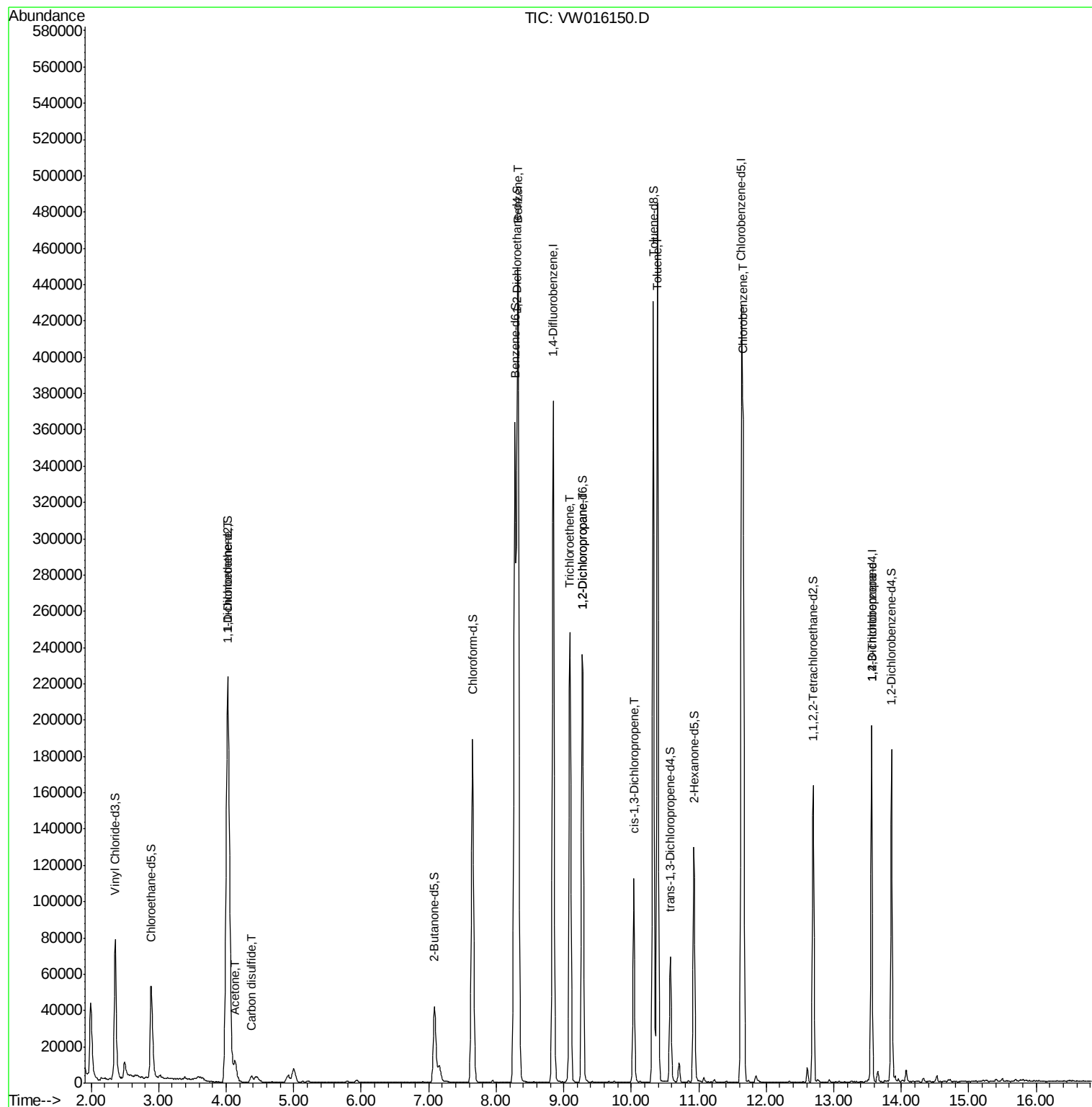
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.03	96	89206	22.021	ug/L	90
13) Acetone	4.14	43	18493	23.741	ug/L	97
14) Carbon disulfide	4.38	76	8215	0.646	ug/L	100
34) Benzene	8.32	78	380808	29.571	ug/L	100
35) Trichloroethene	9.09	95	88271	25.492	ug/L	99
40) 1,2-Dichloropropane	9.27	63	12506	3.955	ug/L #	86
42) cis-1,3-Dichloropropene	10.04	75	3018	0.627	ug/L	94
44) Toluene	10.39	91	352893	25.960	ug/L	99
52) Chlorobenzene	11.66	112	188037	20.906	ug/L	92
59) 1,2,3-Trichloropropane	13.56	75	6326	2.875	ug/L	90

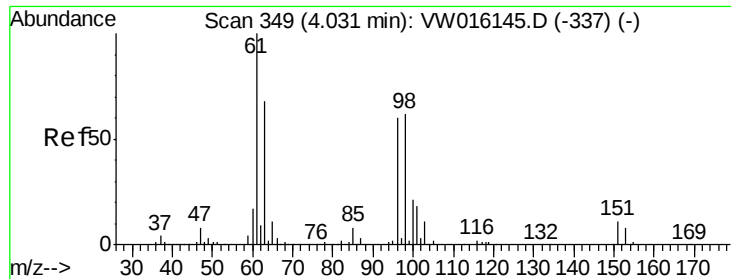
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Aug 13 01:23:48 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 22.021 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW016150.D

Acq: 12 Aug 2020 10:46

Instrument :
MSVOA_W
ClientSampled :

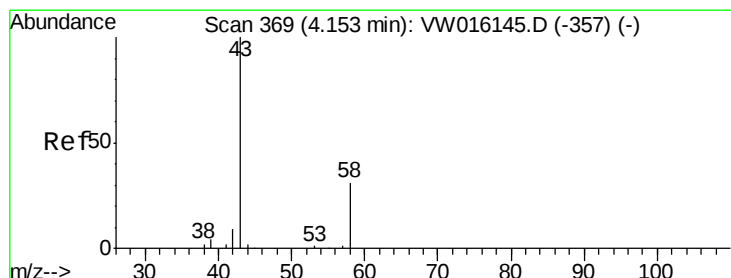
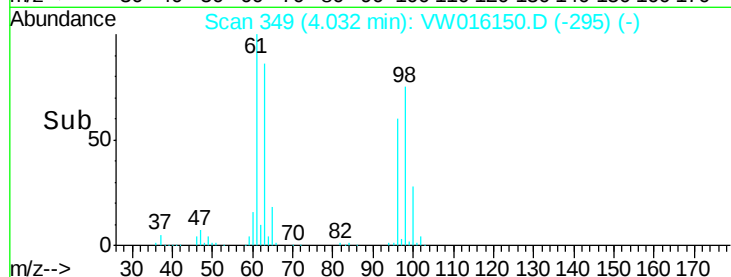
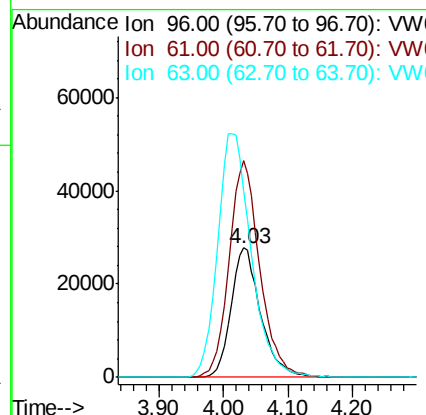
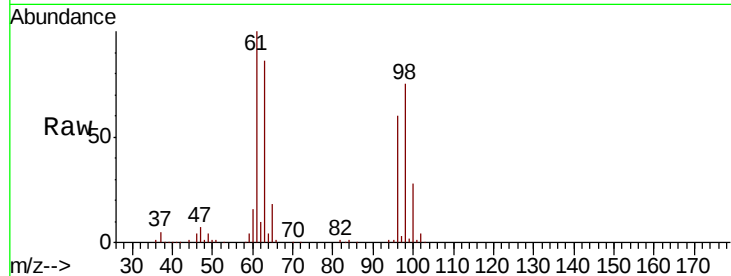
Tot Ion: 96 Resp: 89206

Ion Ratio Lower Upper

96 100

61 167.4 120.2 223.2

63 144.3 86.4 160.4



#13

Acetone

Concen: 23.741 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.02 min

Lab File: VW016150.D

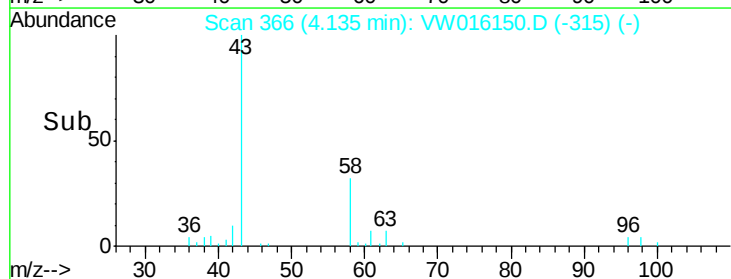
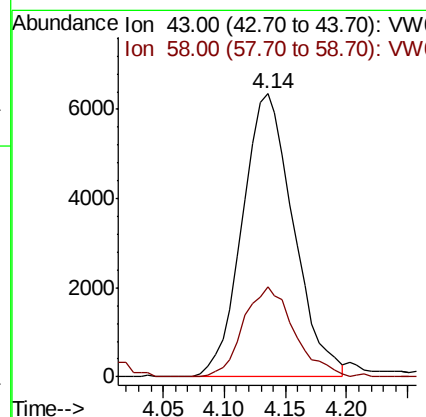
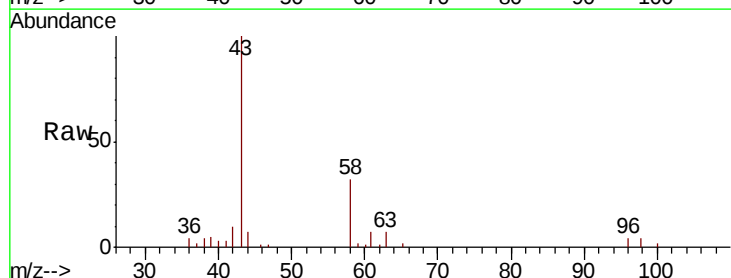
Acq: 12 Aug 2020 10:46

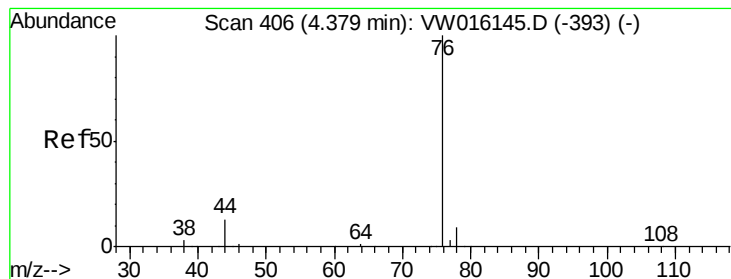
Tgt Ion: 43 Resp: 18493

Ion Ratio Lower Upper

43 100

58 31.4 0.0 59.4





#14

Carbon disulfide

Concen: 0.646 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW016150.D

Acq: 12 Aug 2020 10:46

Instrument :

MSVOA_W

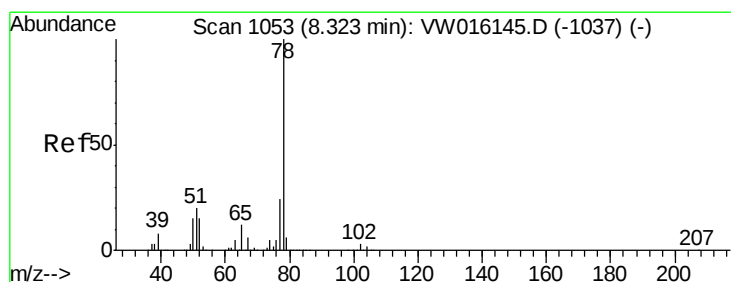
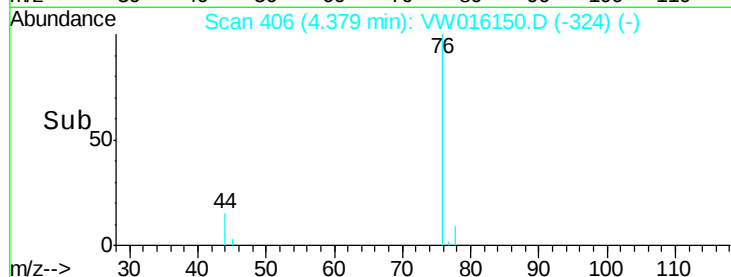
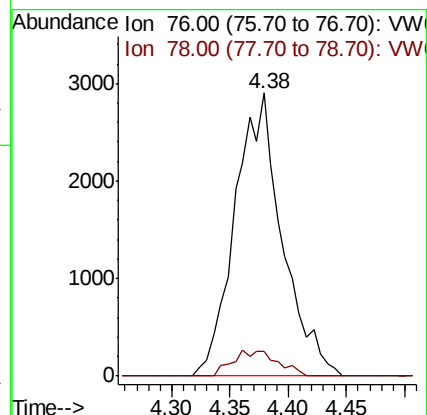
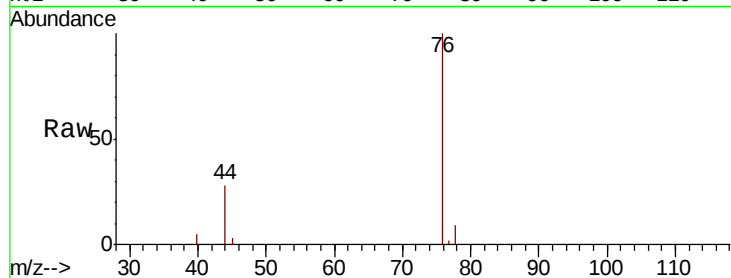
ClientSampled :

Tot Ion: 76 Resp: 8215

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.4



#34

Benzene

Concen: 29.571 ug/L

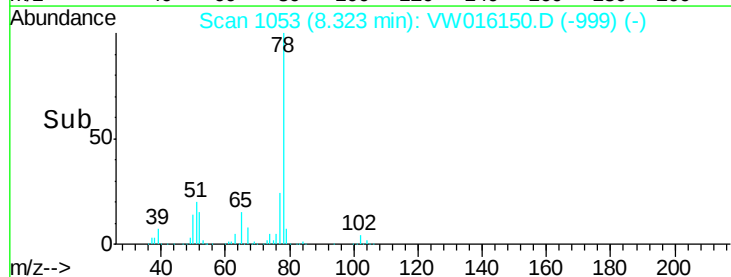
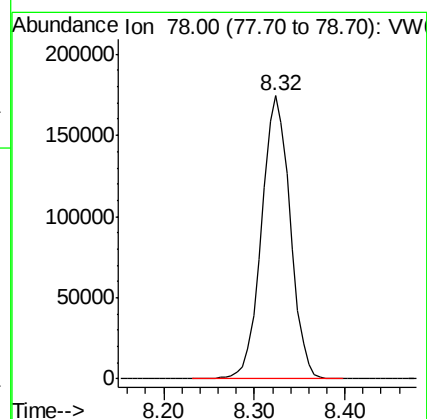
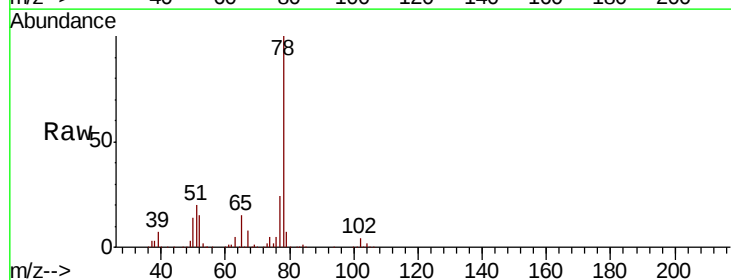
RT: 8.32 min Scan# 1053

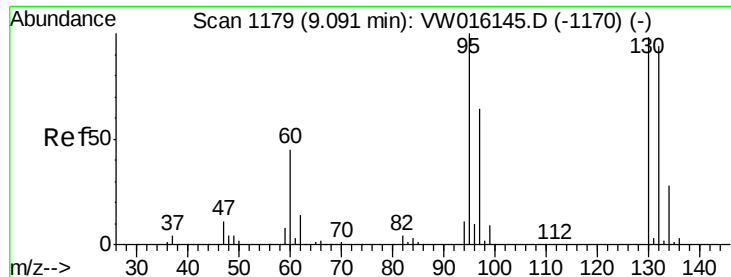
Delta R.T. 0.00 min

Lab File: VW016150.D

Acq: 12 Aug 2020 10:46

Tgt Ion: 78 Resp: 380808





#35

Trichloroethene

Concen: 25.492 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016150.D

Acq: 12 Aug 2020 10:46

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 88271

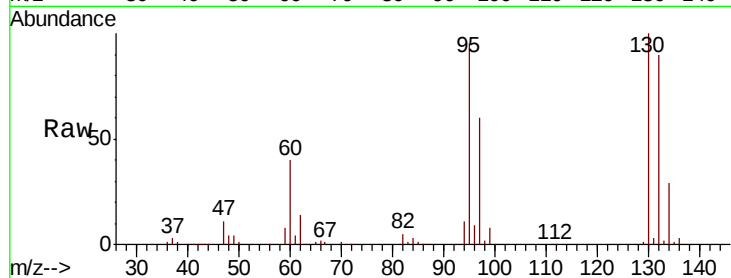
Ion Ratio Lower Upper

95 100

97 65.4 44.9 83.3

132 96.4 65.8 122.2

130 99.3 69.5 129.1

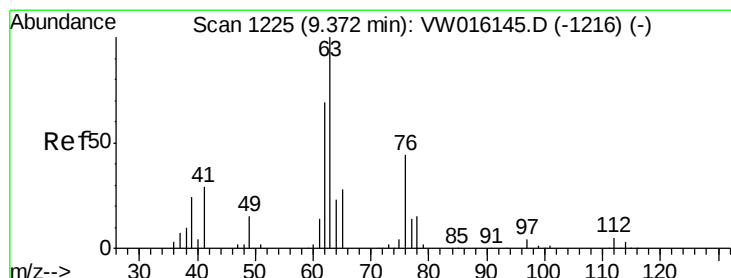
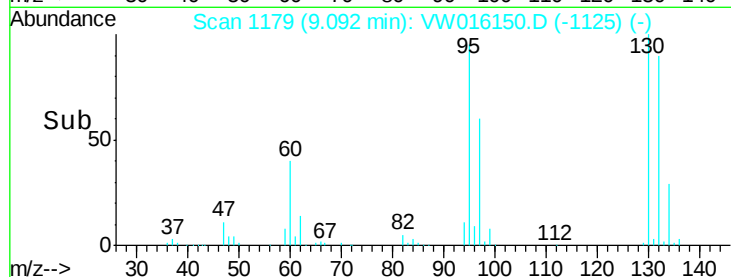
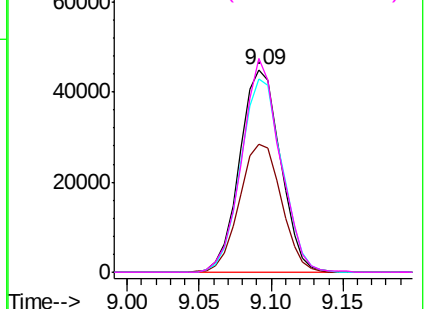


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#40

1,2-Dichloropropane

Concen: 3.955 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW016150.D

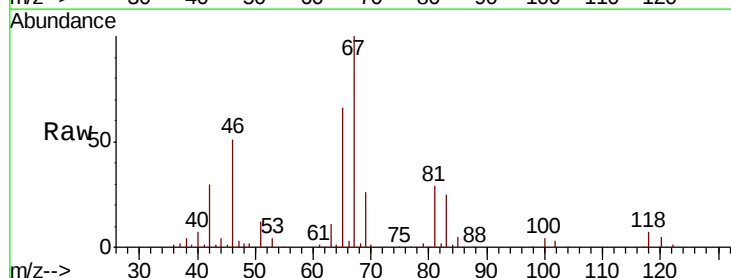
Acq: 12 Aug 2020 10:46

Tgt Ion: 63 Resp: 12506

Ion Ratio Lower Upper

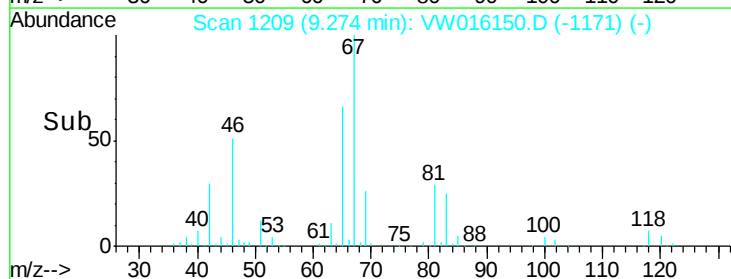
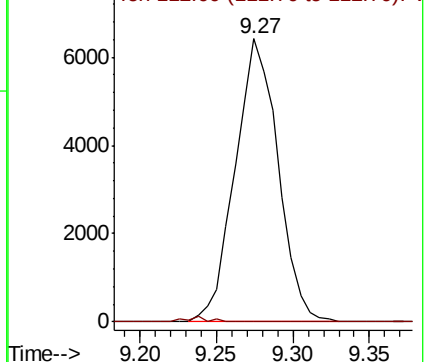
63 100

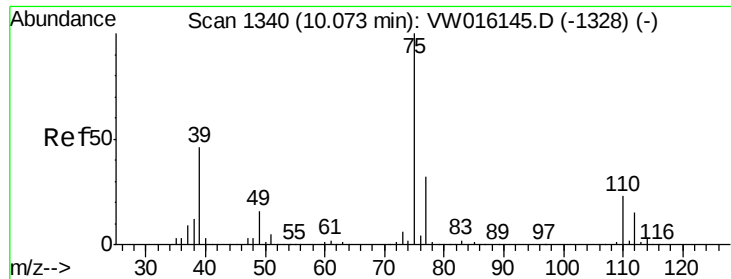
112 0.2 4.0 6.0#



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: 0.627 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW016150.D

Acq: 12 Aug 2020 10:46

Instrument :

MSVOA_W

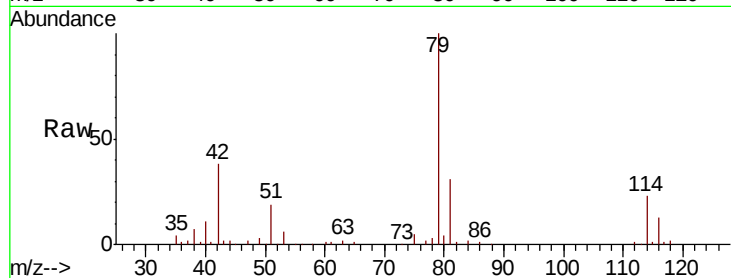
ClientSampleId :

Tot Ion: 75 Resp: 3018

Ion Ratio Lower Upper

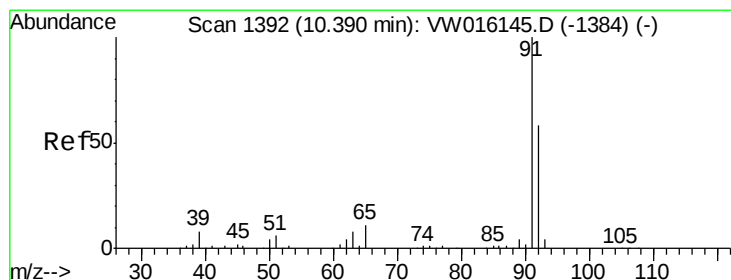
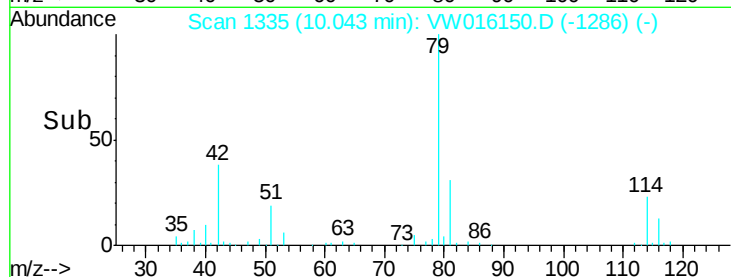
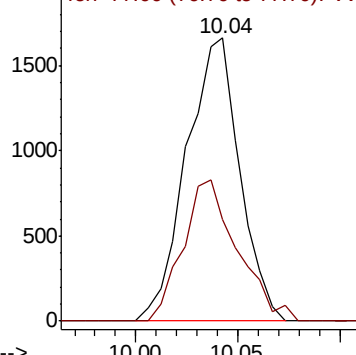
75 100

77 35.9 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#44

Toluene

Concen: 25.960 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016150.D

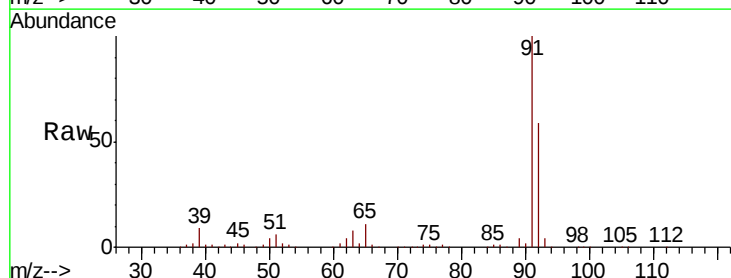
Acq: 12 Aug 2020 10:46

Tgt Ion: 91 Resp: 352893

Ion Ratio Lower Upper

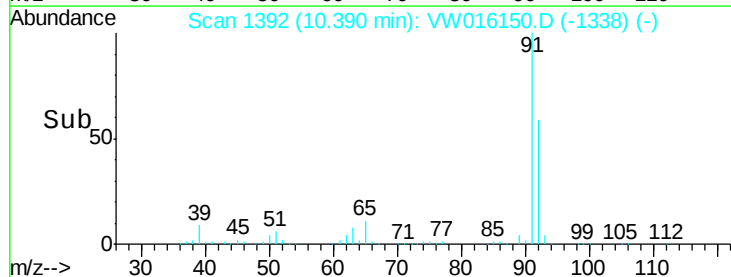
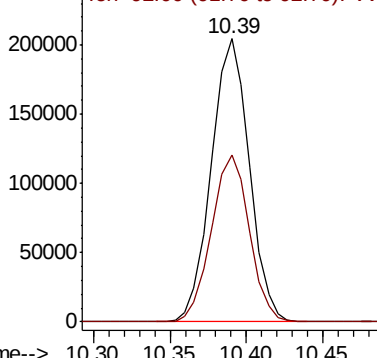
91 100

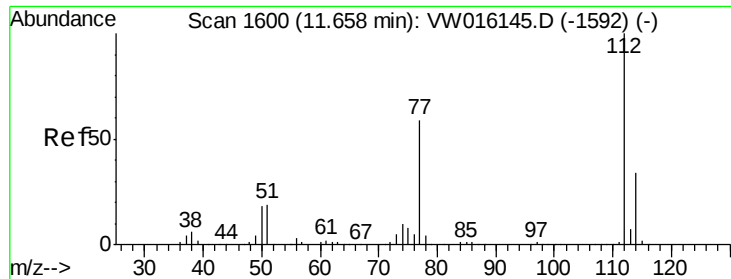
92 59.1 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#52

Chlorobenzene

Concen: 20.906 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW016150.D

Acq: 12 Aug 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

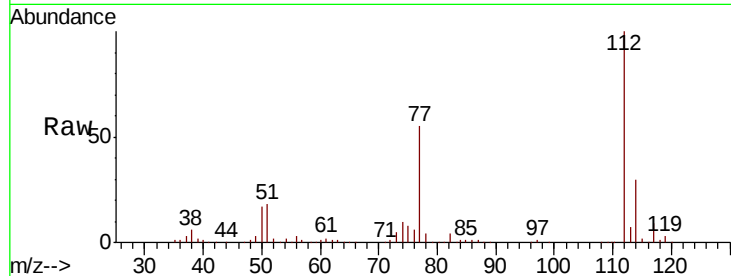
Tot Ion:112 Resp: 188037

Ion Ratio Lower Upper

112 100

77 55.0 49.1 73.7

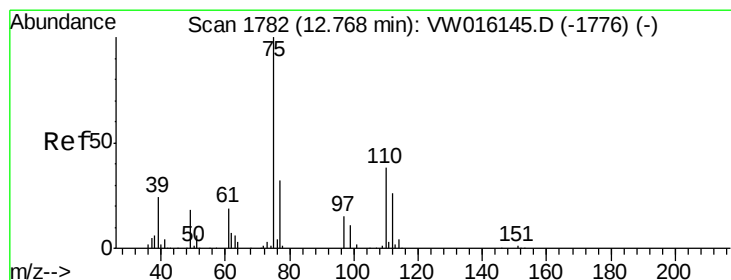
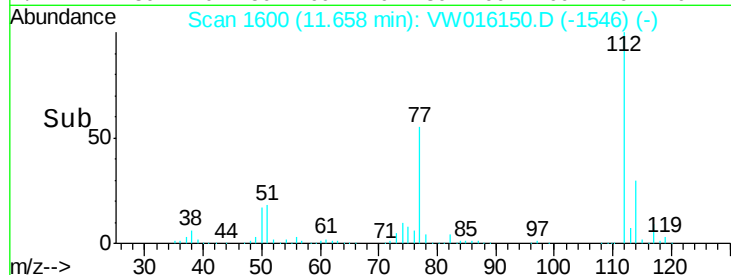
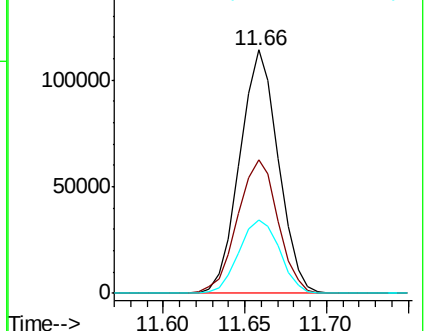
114 30.2 23.5 43.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#59

1,2,3-Trichloropropane

Concen: 2.875 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016150.D

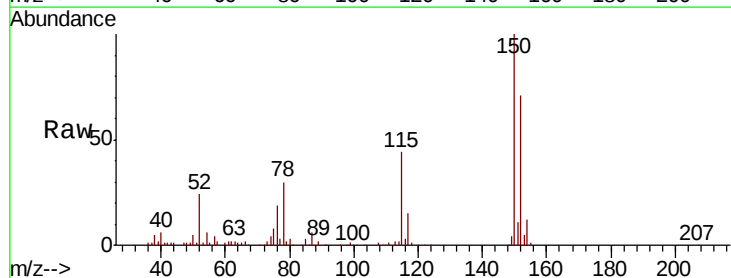
Acq: 12 Aug 2020 10:46

Tgt Ion: 75 Resp: 6326

Ion Ratio Lower Upper

75 100

77 38.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

