

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120219\
 Data File : VW014204.D
 Acq On : 02 Dec 2019 15:28
 Operator : SY/VA
 Sample : K6089-15RE
 Misc : 2.99G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 02 16:55:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 02 16:00:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	91488	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	33993	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	3754	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	35994	24.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.64%
7) Chloroethane-d5	2.89	69	41930	35.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	141.72%
10) 1,1-Dichloroethene-d2	4.01	63	48157	16.08	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.32%
20) 2-Butanone-d5	7.07	46	61402	144.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	289.60%#
24) Chloroform-d	7.65	84	113392	40.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	161.24%#
26) 1,2-Dichloroethane-d4	8.31	65	54736	38.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	154.80%#
29) Benzene-d6	8.27	84	182677	75.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	302.96%#
33) 1,2-Dichloropropane-d6	9.27	67	65988	93.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	373.60%#
37) Toluene-d8	10.32	98	70323	30.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	123.00%
38) trans-1,3-Dichloropropene-	10.58	79	6911	22.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.36%
39) 2-Hexanone-d5	10.92	63	20894	155.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	311.90%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	48180	90.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	361.24%#
61) 1,2-Dichlorobenzene-d4	13.85	152	4796	31.80	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	127.20%#

Target Compounds

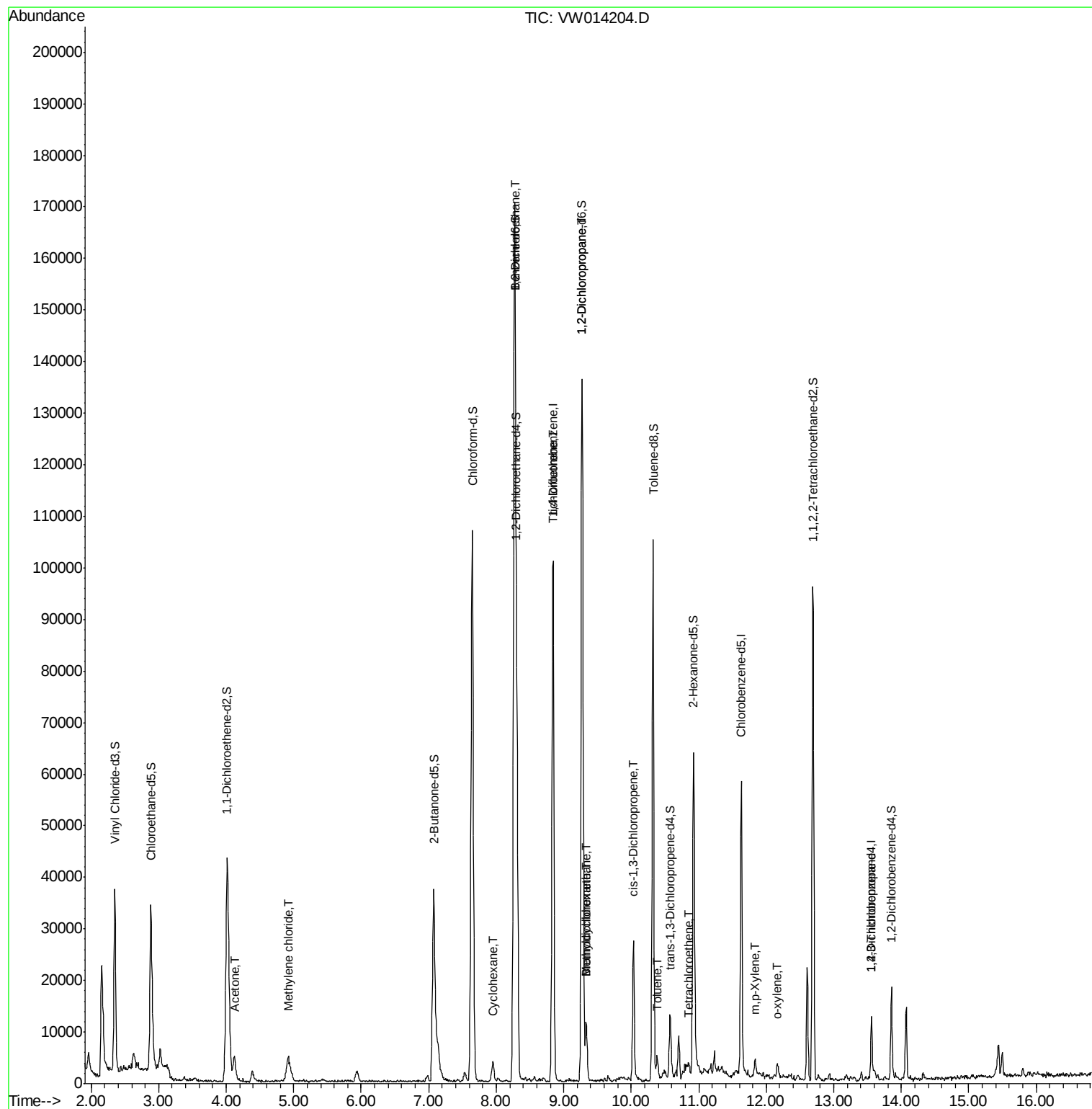
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	8060	18.679	ug/L	98
16) Methylene chloride	4.92	84	3742	2.125	ug/L	91
27) 1,2-Dichloroethane	8.27	62	1069	0.663	ug/L #	70
30) Cyclohexane	7.96	56	899	0.826	ug/L #	60
35) Trichloroethene	8.83	95	2537	3.814	ug/L #	2
36) Methylcyclohexane	9.34	83	3533	2.963	ug/L #	81
40) 1,2-Dichloropropane	9.27	63	7407	12.340	ug/L #	85
41) Bromodichloromethane	9.34	83	2635	3.631	ug/L #	25
42) cis-1,3-Dichloropropene	10.03	75	572	0.604	ug/L	94
44) Toluene	10.38	91	4012	1.476	ug/L	85
47) Tetrachloroethene	10.85	164	298	0.503	ug/L	89
54) m,p-Xylene	11.84	106	1202	1.037	ug/L #	39
55) o-xylene	12.16	106	533	0.491	ug/L	99
59) 1,2,3-Trichloropropane	13.56	75	580	1.498	ug/L	99

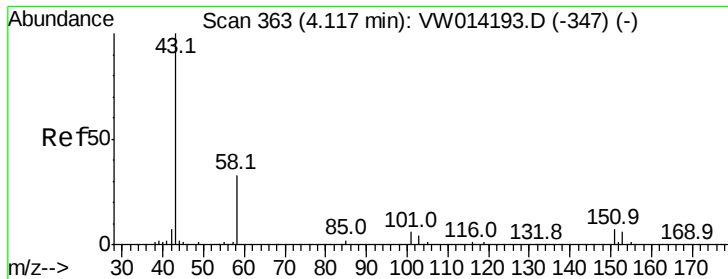
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Mon Dec 02 16:00:46 2019
Response via : Initial Calibration





#13

Acetone

Concen: 18.679 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014204.D

Acq: 02 Dec 2019 15:28

Instrument :

MSVOA_W

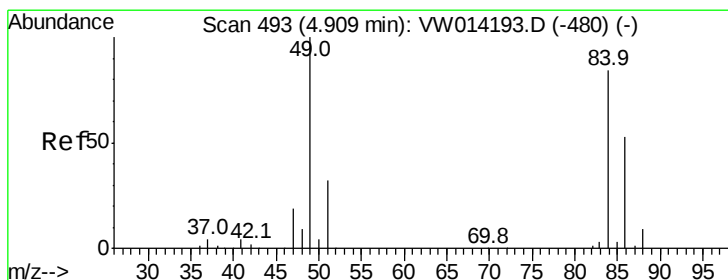
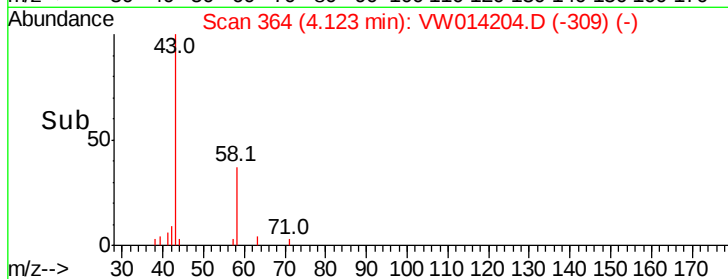
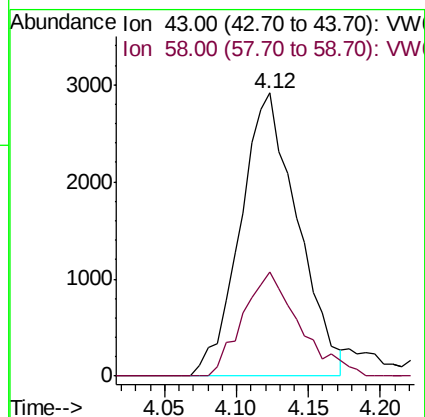
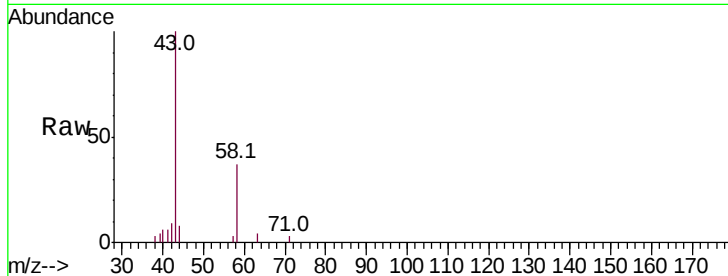
ClientSampleId :

Tot Ion: 43 Resp: 8060

Ion Ratio Lower Upper

43 100

58 33.8 0.0 65.4



#16

Methylene chloride

Concen: 2.125 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW014204.D

Acq: 02 Dec 2019 15:28

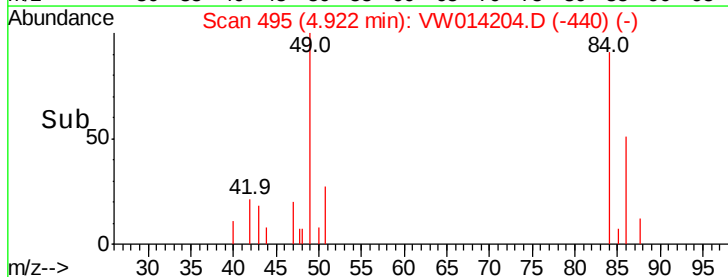
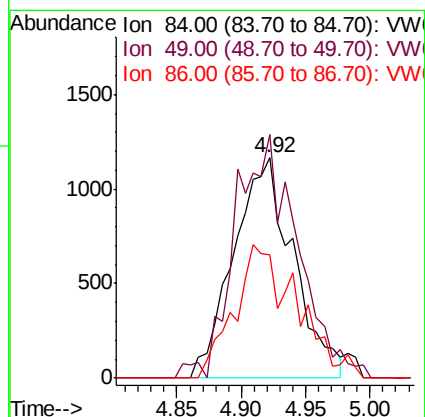
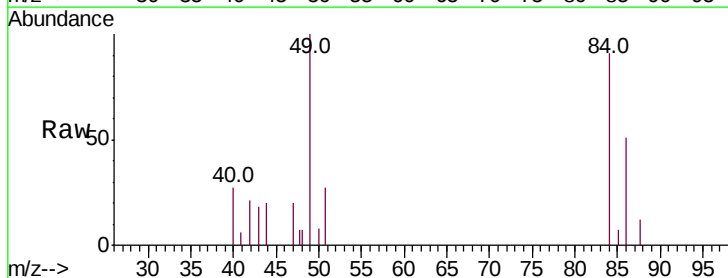
Tgt Ion: 84 Resp: 3742

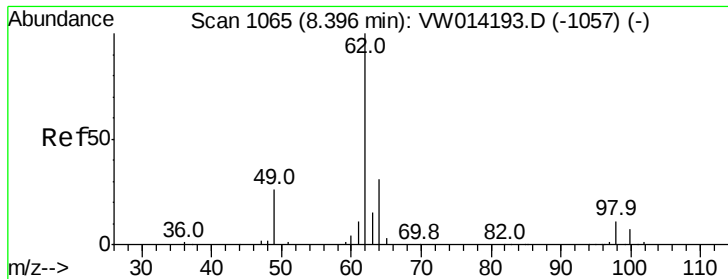
Ion Ratio Lower Upper

84 100

49 110.5 84.2 156.4

86 56.0 43.7 81.1

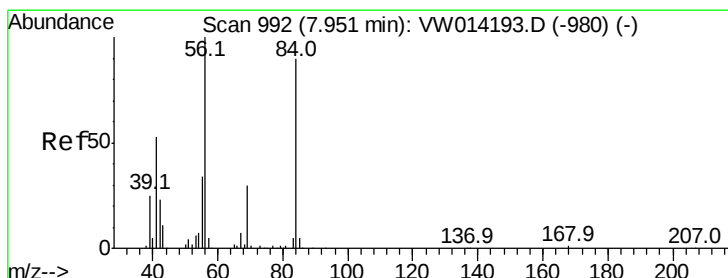
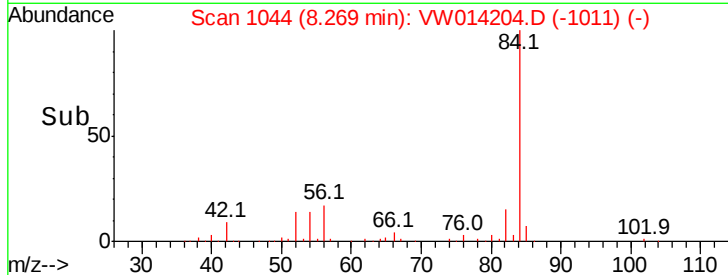
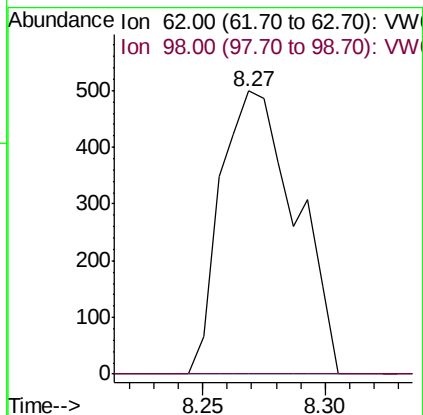
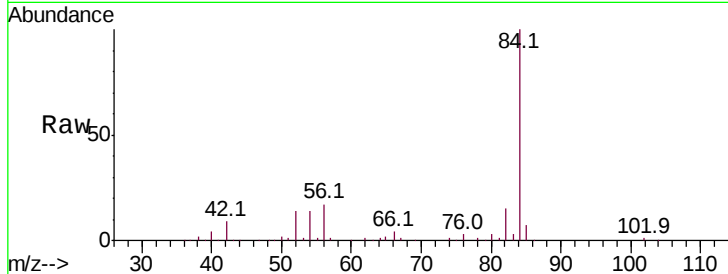




#27
 1,2-Dichloroethane
 Concen: 0.663 ug/L
 RT: 8.27 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW014204.D
 Acq: 02 Dec 2019 15:28

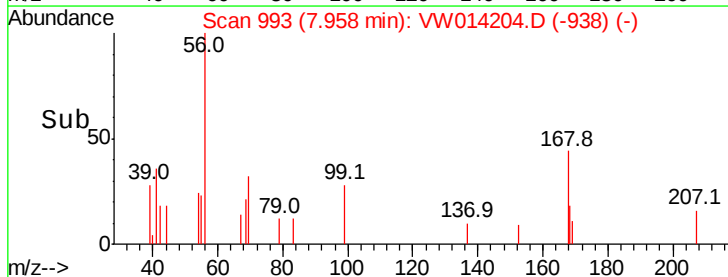
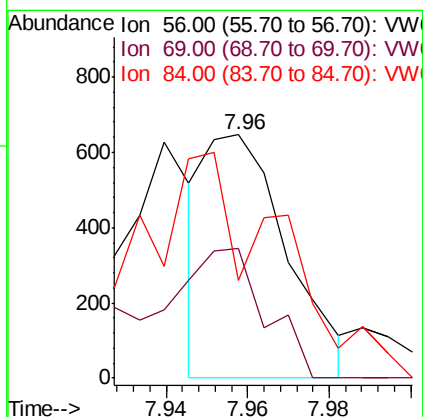
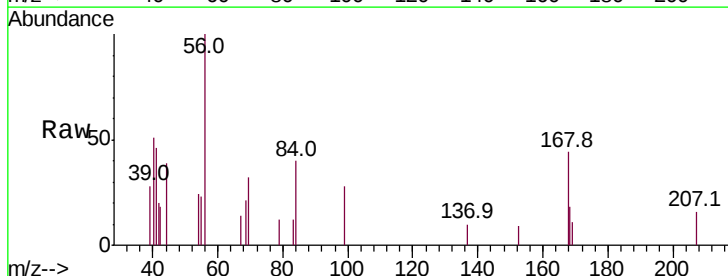
Instrument :
 MSVOA_W
 ClientSampled :

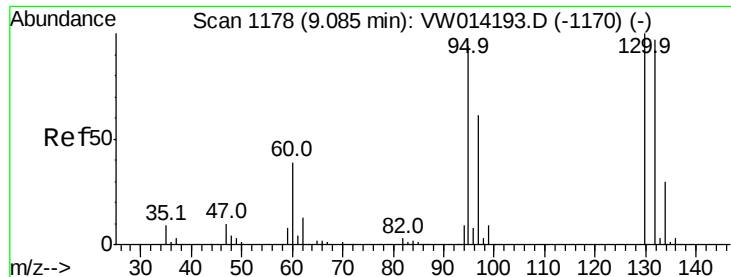
Tot Ion: 62 Resp: 1069
 Ion Ratio Lower Upper
 62 100
 98 0.0 9.3 13.9#



#30
 Cyclohexane
 Concen: 0.826 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VW014204.D
 Acq: 02 Dec 2019 15:28

Tgt Ion: 56 Resp: 899
 Ion Ratio Lower Upper
 56 100
 69 58.0 24.6 37.0#
 84 53.2 70.2 105.2#





#35

Trichloroethene

Concen: 3.814 ug/L

RT: 8.83 min Scan# 1136

Delta R.T. -0.26 min

Lab File: VW014204.D

Acq: 02 Dec 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 2537

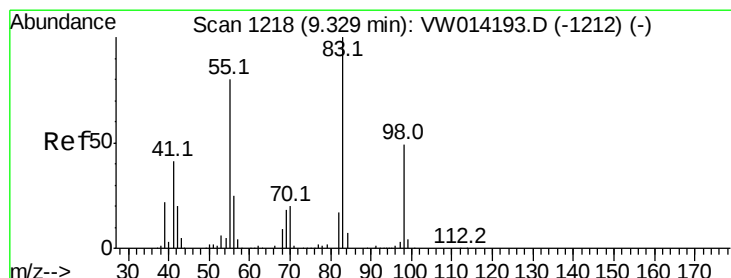
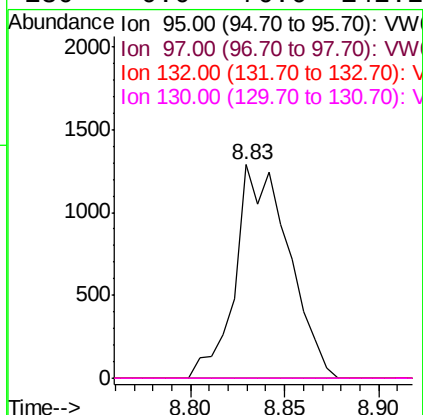
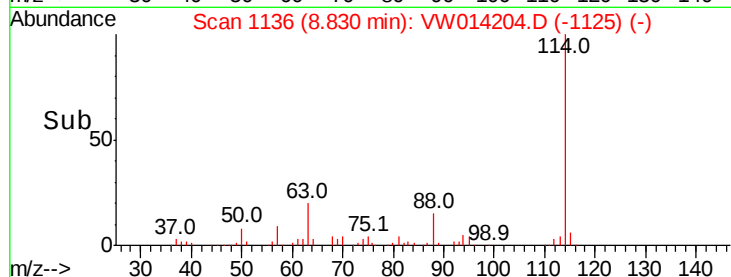
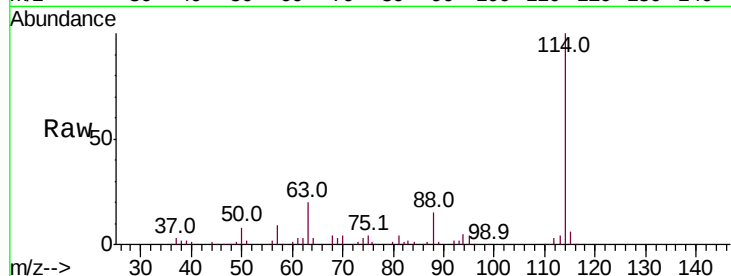
Ion Ratio Lower Upper

95 100

97 0.0 45.1 83.9#

132 0.0 73.7 136.9#

130 0.0 76.6 142.2#



#36

Methylcyclohexane

Concen: 2.963 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW014204.D

Acq: 02 Dec 2019 15:28

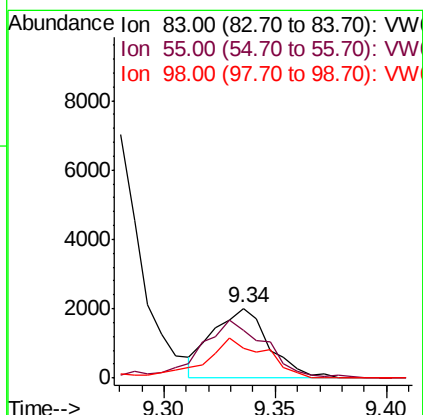
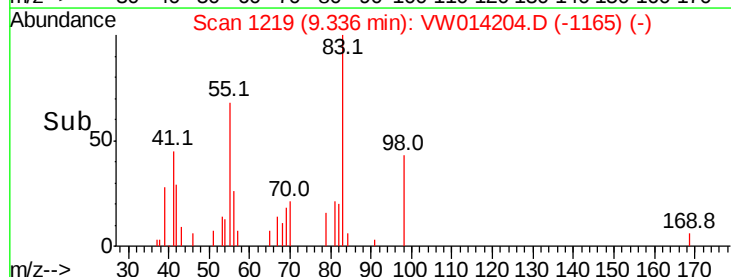
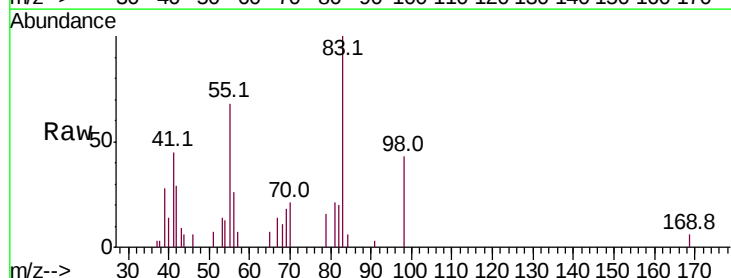
Tgt Ion: 83 Resp: 3533

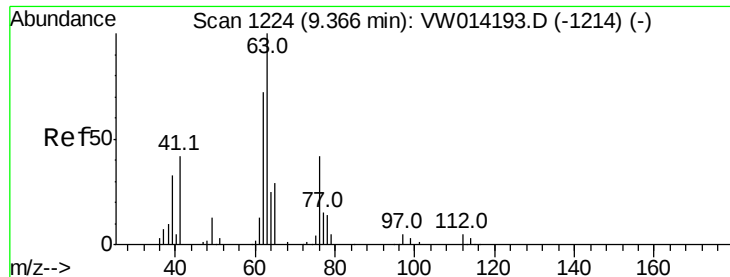
Ion Ratio Lower Upper

83 100

55 93.8 59.8 89.8#

98 39.3 39.5 59.3#





#40

1,2-Dichloropropane

Concen: 12.340 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW014204.D

Acq: 02 Dec 2019 15:28

Instrument :

MSVOA_W

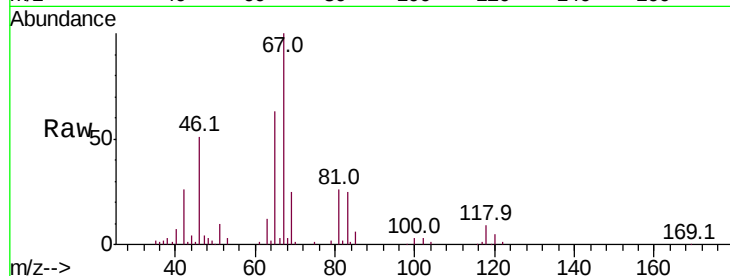
ClientSampled :

Tot Ion: 63 Resp: 7407

Ion Ratio Lower Upper

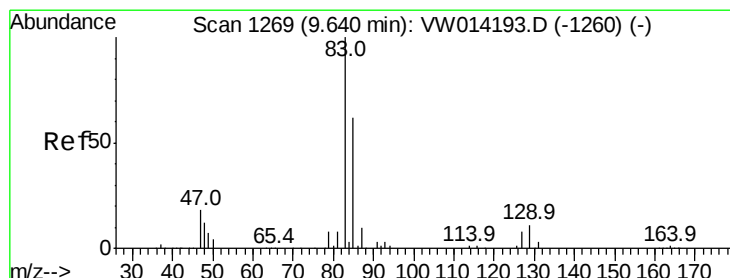
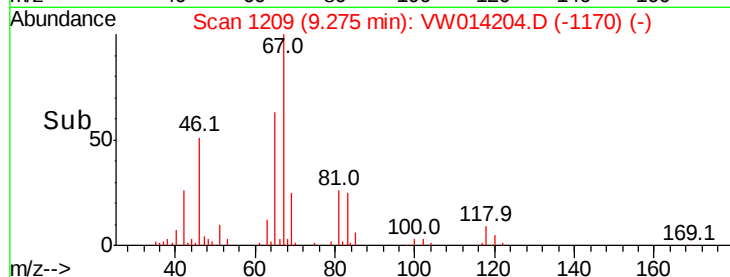
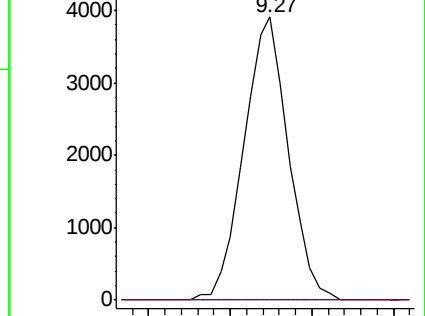
63 100

112 0.0 3.9 5.9#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 3.631 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.30 min

Lab File: VW014204.D

Acq: 02 Dec 2019 15:28

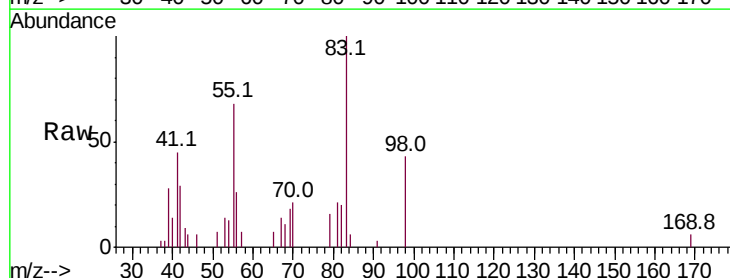
Tgt Ion: 83 Resp: 2635

Ion Ratio Lower Upper

83 100

85 0.0 45.1 83.7#

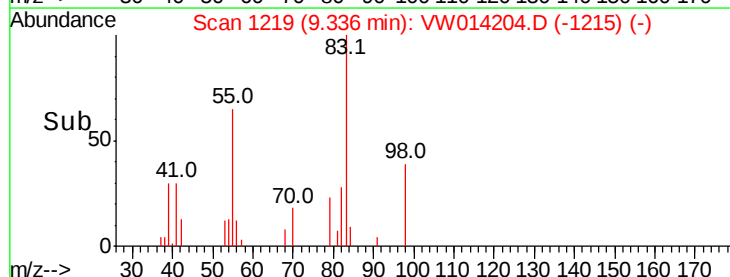
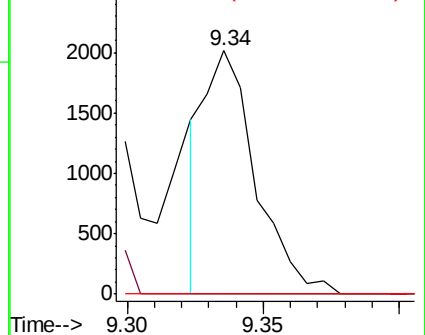
127 0.0 7.4 11.0#

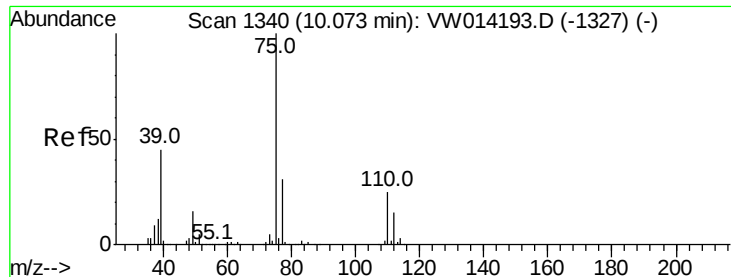


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.604 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014204.D

Acq: 02 Dec 2019 15:28

Instrument :

MSVOA_W

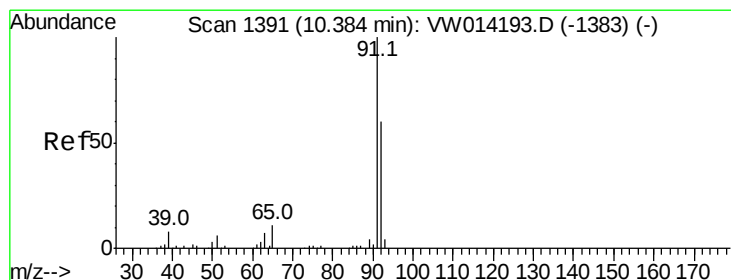
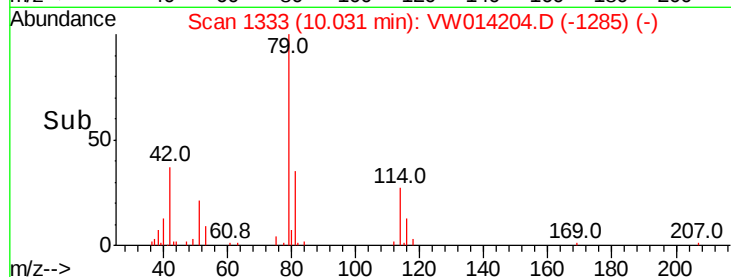
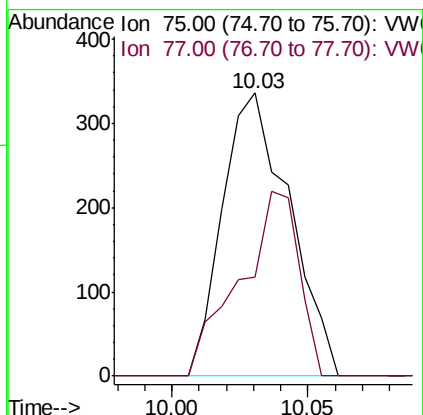
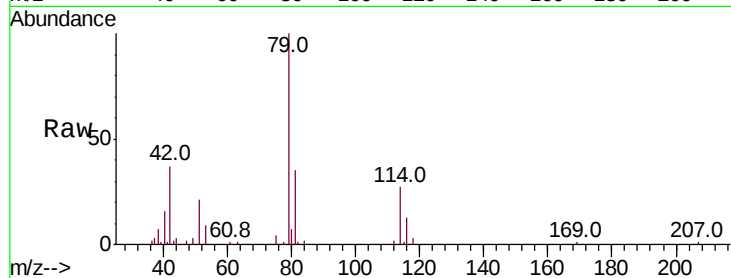
ClientSampleId :

Tot Ion: 75 Resp: 572

Ion Ratio Lower Upper

75 100

77 34.8 22.1 41.1



#44

Toluene

Concen: 1.476 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014204.D

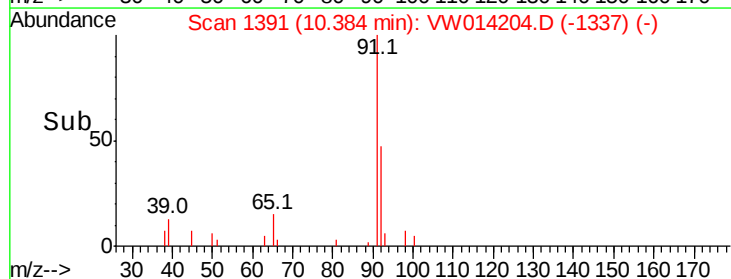
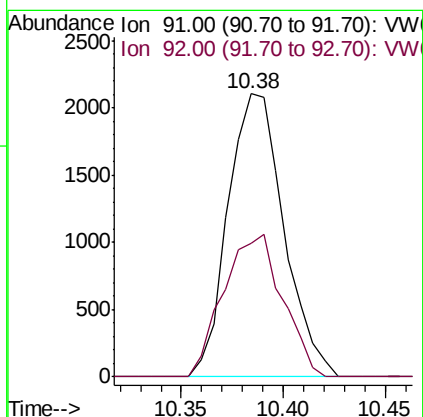
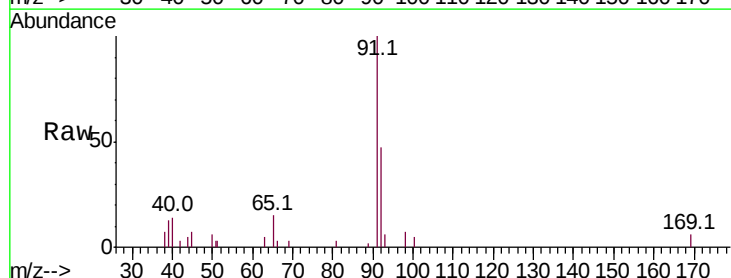
Acq: 02 Dec 2019 15:28

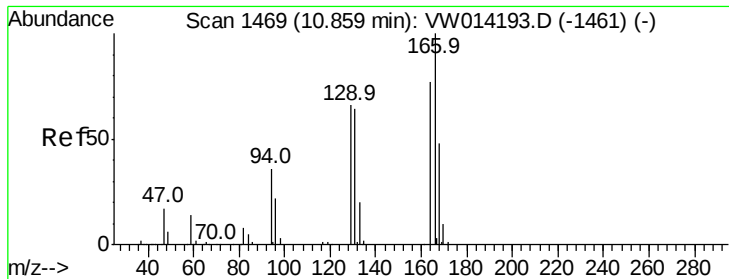
Tgt Ion: 91 Resp: 4012

Ion Ratio Lower Upper

91 100

92 47.0 40.7 75.7

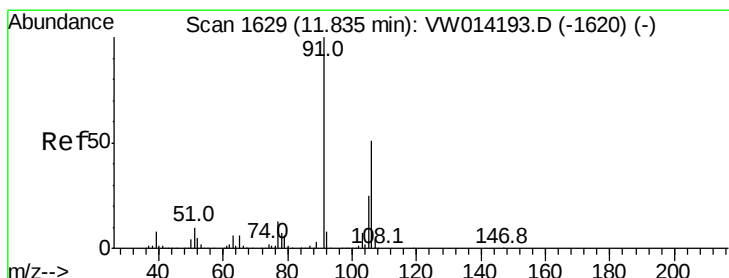
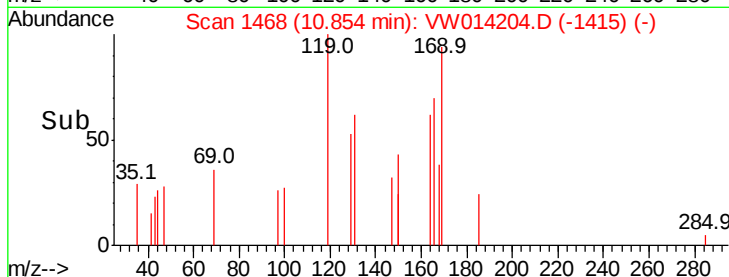
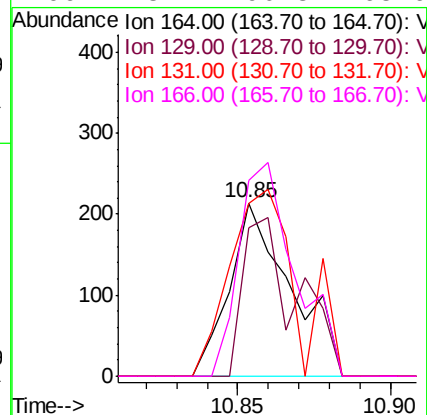
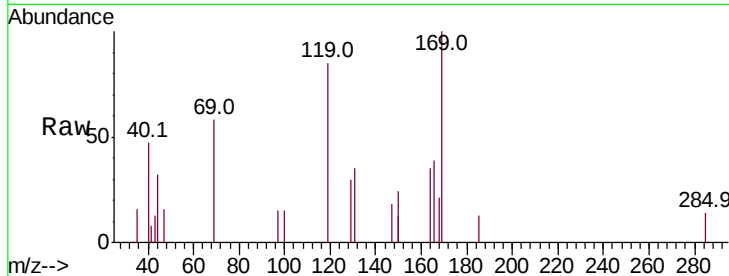




#47
Tetrachloroethene
Concen: 0.503 ug/L
RT: 10.85 min Scan# 1468
Delta R.T. -0.01 min
Lab File: VW014204.D
Acq: 02 Dec 2019 15:28

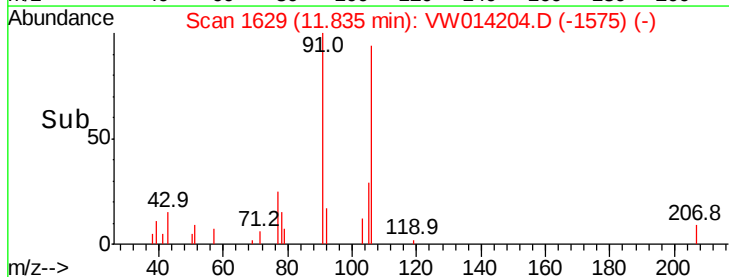
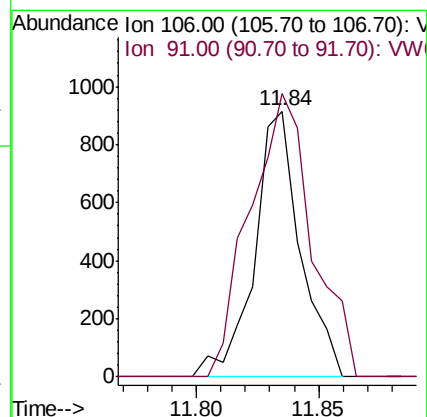
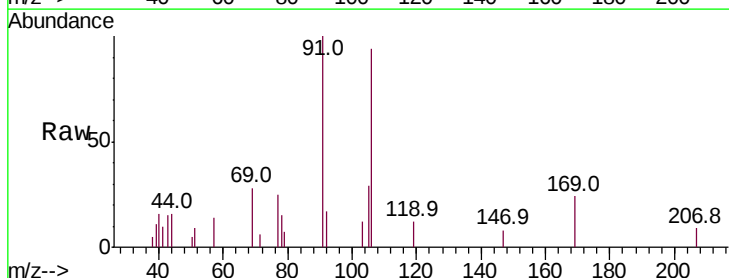
Instrument :
MSVOA_W
ClientSampleId :

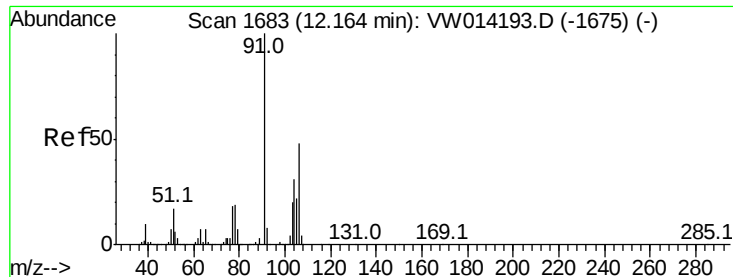
Tot Ion:164 Resp: 298
Ion Ratio Lower Upper
164 100
129 85.5 60.6 112.6
131 99.5 59.1 109.7
166 113.1 90.8 168.6



#54
m,p-Xylene
Concen: 1.037 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014204.D
Acq: 02 Dec 2019 15:28

Tgt Ion:106 Resp: 1202
Ion Ratio Lower Upper
106 100
91 106.6 138.7 257.5#





#55

o-xylene

Concen: 0.491 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014204.D

Acq: 02 Dec 2019 15:28

Instrument :

MSVOA_W

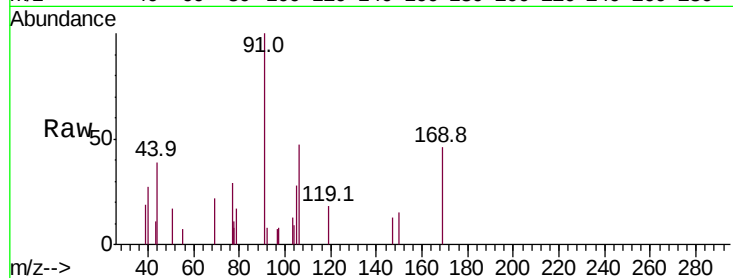
ClientSampled :

Tot Ion:106 Resp: 533

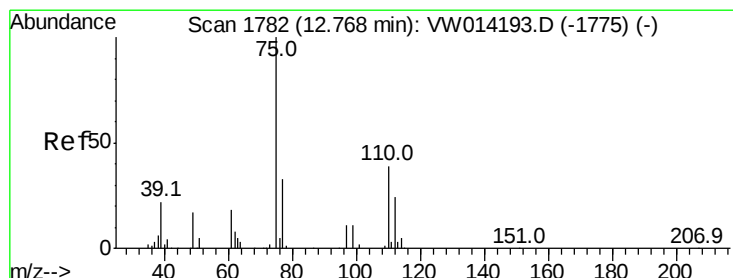
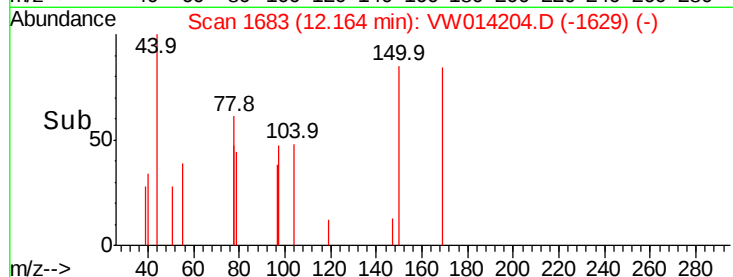
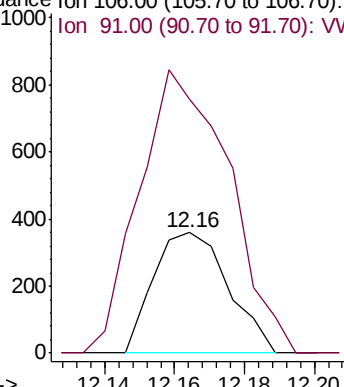
Ion Ratio Lower Upper

106 100

91 210.9 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): VW



#59

1,2,3-Trichloropropane

Concen: 1.498 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW014204.D

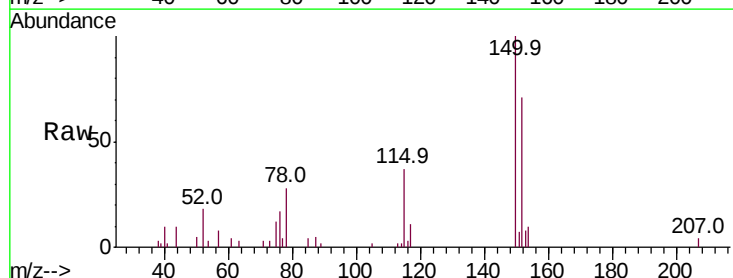
Acq: 02 Dec 2019 15:28

Tgt Ion: 75 Resp: 580

Ion Ratio Lower Upper

75 100

77 33.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

