

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120219\
 Data File : VW014203.D
 Acq On : 02 Dec 2019 15:01
 Operator : SY/VA
 Sample : K6089-14RE
 Misc : 2.99G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 02 16:04:20 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	94806	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	38214	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	4598	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	35500	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.88%
7) Chloroethane-d5	2.89	69	41822	34.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	136.40%
10) 1,1-Dichloroethene-d2	4.01	63	52184	16.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.24%
20) 2-Butanone-d5	7.08	46	63888	145.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	290.78%#
24) Chloroform-d	7.65	84	119162	40.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	163.52%#
26) 1,2-Dichloroethane-d4	8.31	65	56680	38.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	154.68%#
29) Benzene-d6	8.27	84	199670	73.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	294.56%#
33) 1,2-Dichloropropane-d6	9.27	67	72412	91.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	364.68%#
37) Toluene-d8	10.32	98	86364	33.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	134.36%#
38) trans-1,3-Dichloropropene-	10.57	79	7528	22.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.52%
39) 2-Hexanone-d5	10.93	63	22955	152.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	304.82%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	48801	81.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	325.48%#
61) 1,2-Dichlorobenzene-d4	13.86	152	6015	32.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	130.24%#

Target Compounds

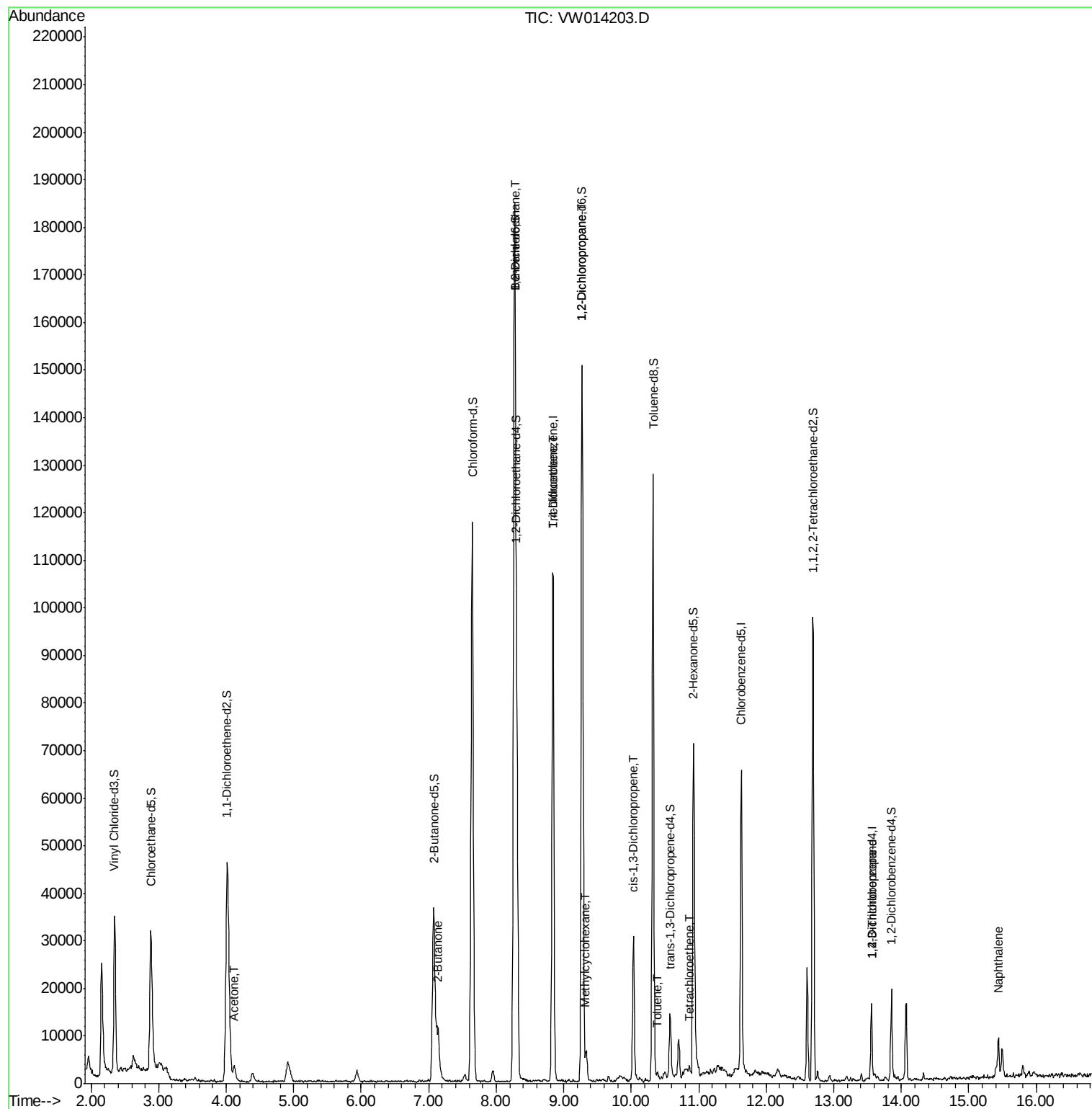
					Ovalue
13) Acetone	4.12	43	5442	12.170	ug/L 85
21) 2-Butanone	7.14	43	6357	11.066	ug/L # 49
27) 1,2-Dichloroethane	8.27	62	571	0.342	ug/L # 70
35) Trichloroethene	8.84	95	2801	3.746	ug/L # 2
36) Methylcyclohexane	9.32	83	2105	1.570	ug/L # 86
40) 1,2-Dichloropropane	9.27	63	7783	11.535	ug/L # 85
42) cis-1,3-Dichloropropene	10.04	75	842	0.791	ug/L # 82
44) Toluene	10.38	91	1282	0.419	ug/L 92
47) Tetrachloroethene	10.86	164	336	0.504	ug/L # 61
59) 1,2,3-Trichloropropane	13.55	75	606	1.392	ug/L 91
69) Naphthalene	15.43	128	190	0.553	ug/L # 69

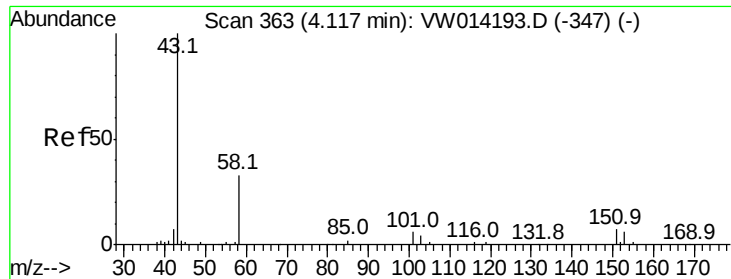
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 12.170 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014203.D

Acq: 02 Dec 2019 15:01

Instrument :

MSVOA_W

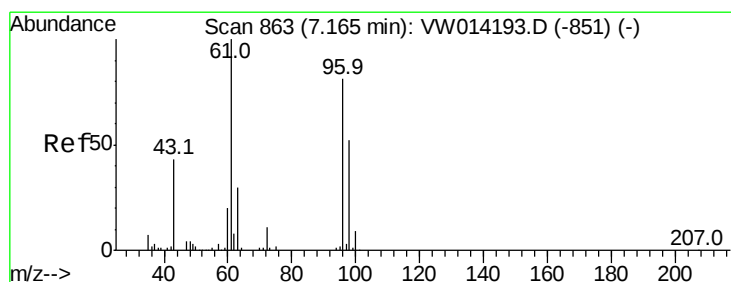
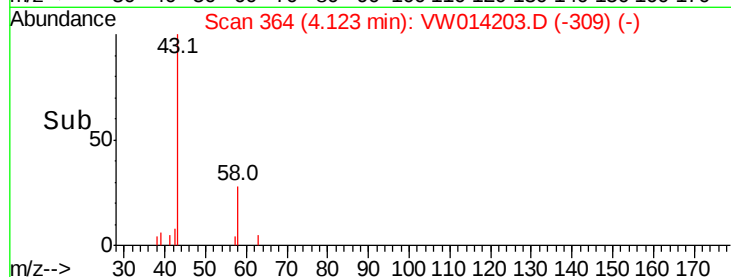
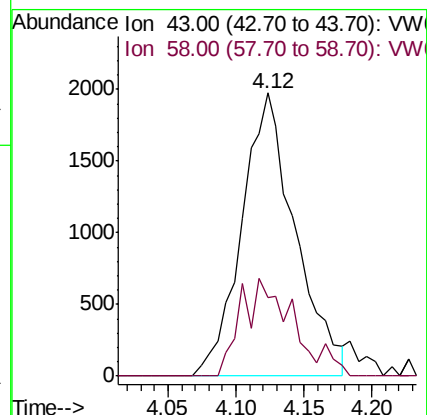
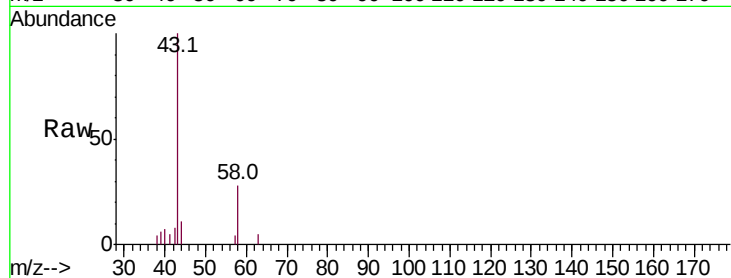
ClientSampled :

Tot Ion: 43 Resp: 5442

Ion Ratio Lower Upper

43 100

58 24.0 0.0 65.4



#21

2-Butanone

Concen: 11.066 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW014203.D

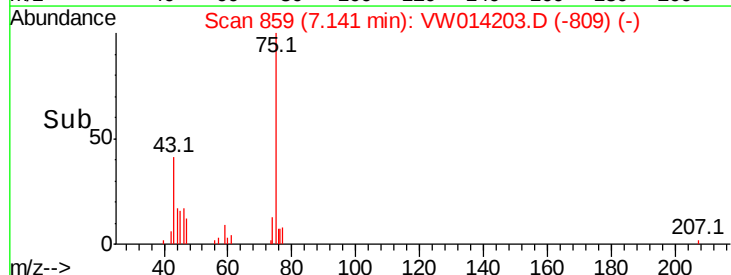
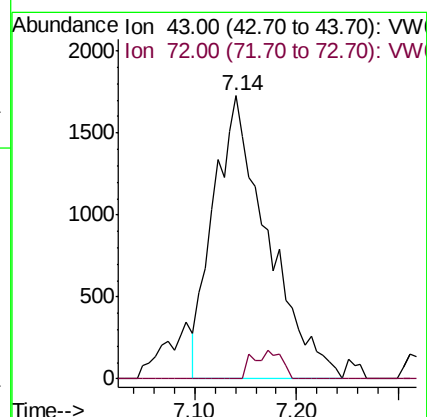
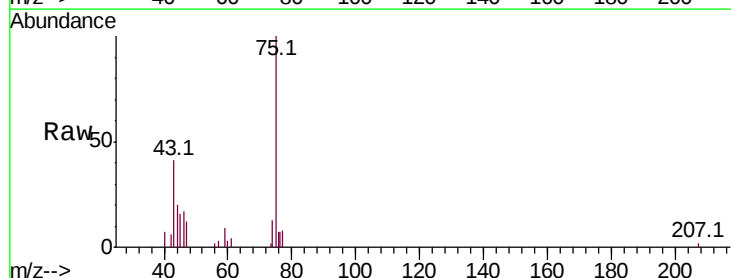
Acq: 02 Dec 2019 15:01

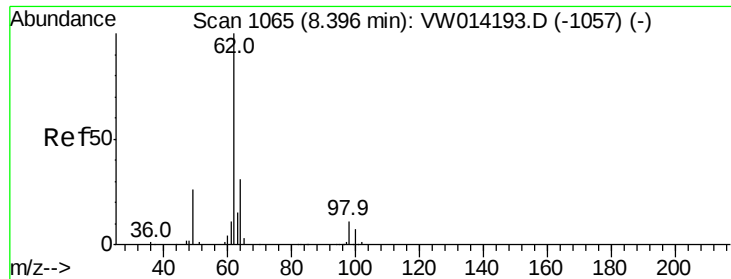
Tgt Ion: 43 Resp: 6357

Ion Ratio Lower Upper

43 100

72 1.5 14.1 42.2#





#27

1,2-Dichloroethane

Concen: 0.342 ug/L

RT: 8.27 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW014203.D

Acq: 02 Dec 2019 15:01

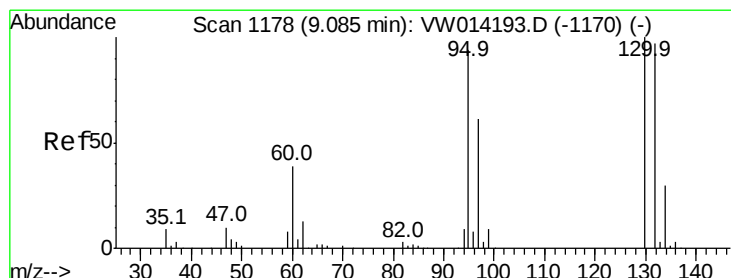
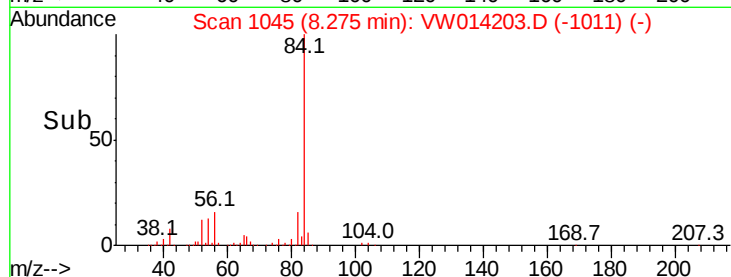
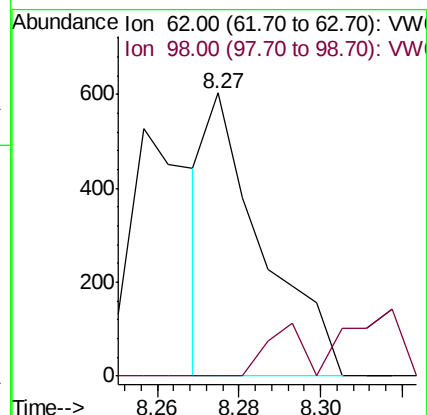
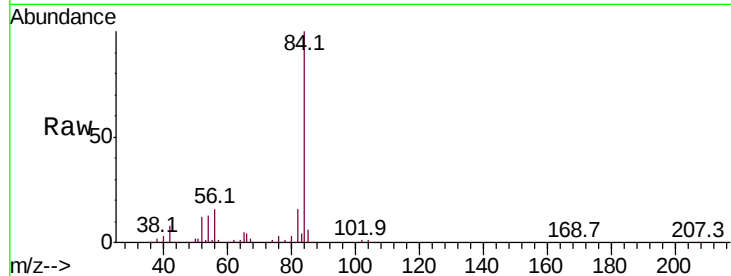
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 62 Resp: 571

Ion Ratio Lower Upper

62 100

98 0.0 9.3 13.9#



#35

Trichloroethene

Concen: 3.746 ug/L

RT: 8.84 min Scan# 1137

Delta R.T. -0.26 min

Lab File: VW014203.D

Acq: 02 Dec 2019 15:01

Tgt Ion: 95 Resp: 2801

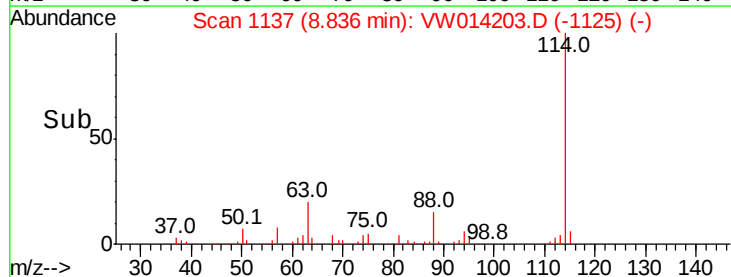
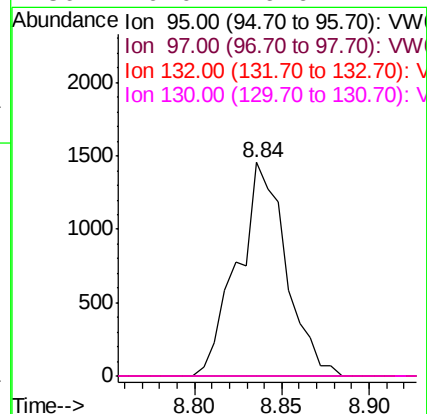
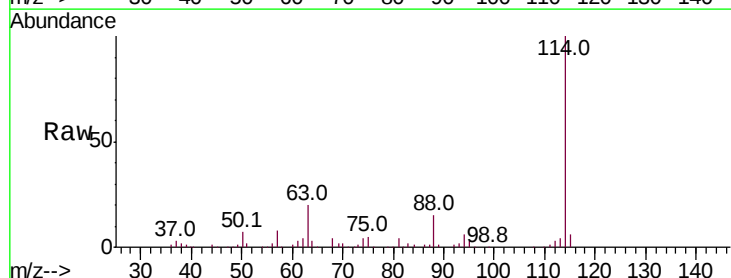
Ion Ratio Lower Upper

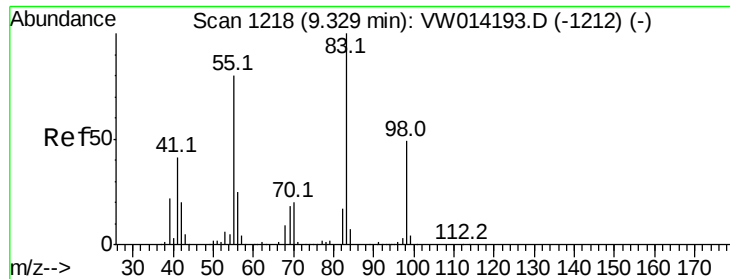
95 100

97 0.0 45.1 83.9#

132 0.0 73.7 136.9#

130 0.0 76.6 142.2#

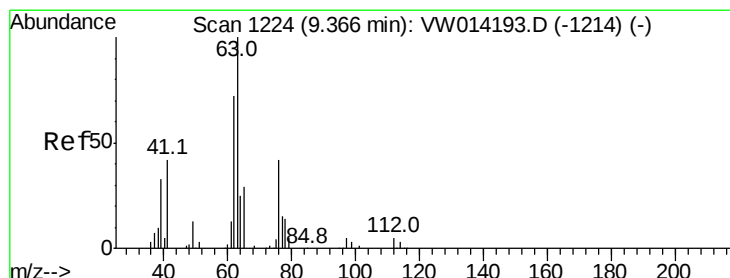
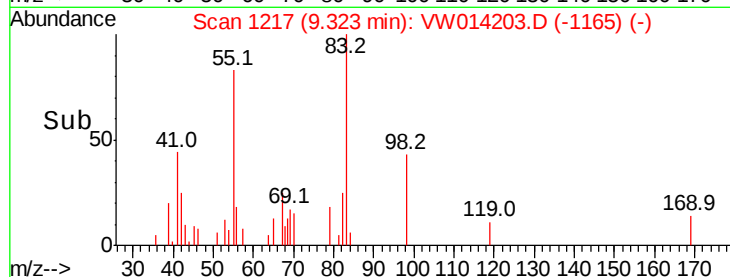
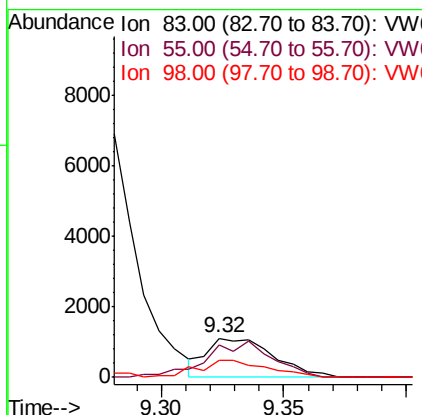
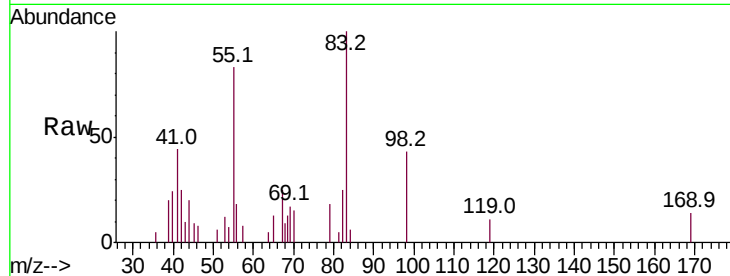




#36
Methylcyclohexane
Concen: 1.570 ug/L
RT: 9.32 min Scan# 1217
Delta R.T. -0.01 min
Lab File: VW014203.D
Acq: 02 Dec 2019 15:01

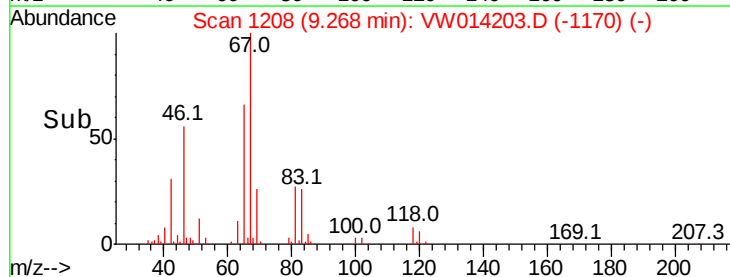
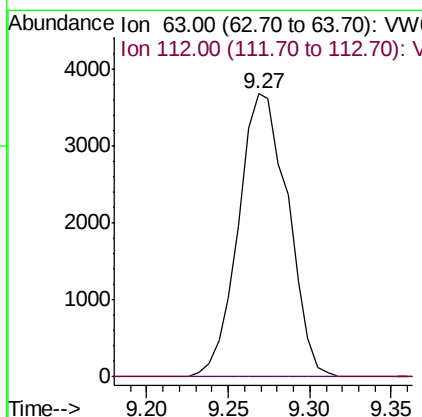
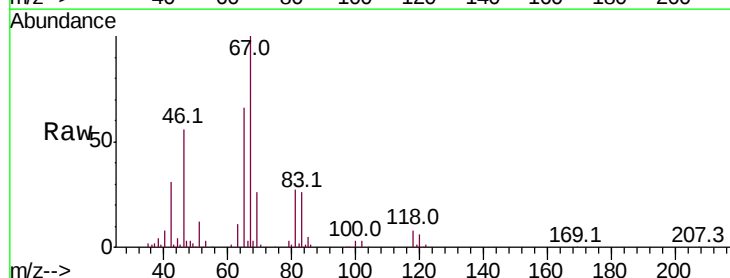
Instrument :
MSVOA_W
ClientSampled :

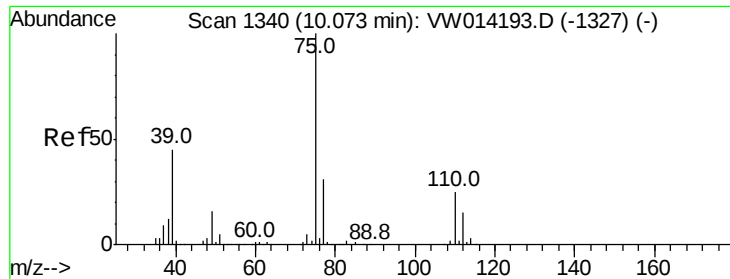
Tot Ion: 83 Resp: 2105
Ion Ratio Lower Upper
83 100
55 92.0 59.8 89.8#
98 46.2 39.5 59.3



#40
1,2-Dichloropropane
Concen: 11.535 ug/L
RT: 9.27 min Scan# 1208
Delta R.T. -0.10 min
Lab File: VW014203.D
Acq: 02 Dec 2019 15:01

Tgt Ion: 63 Resp: 7783
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#

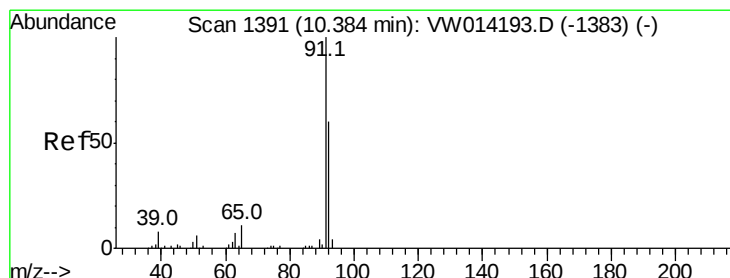
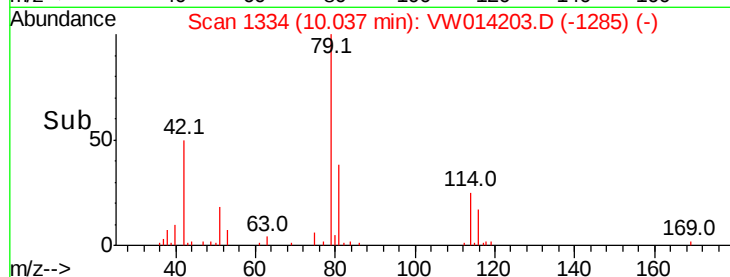
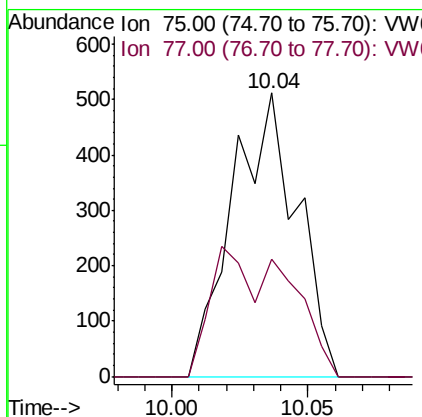
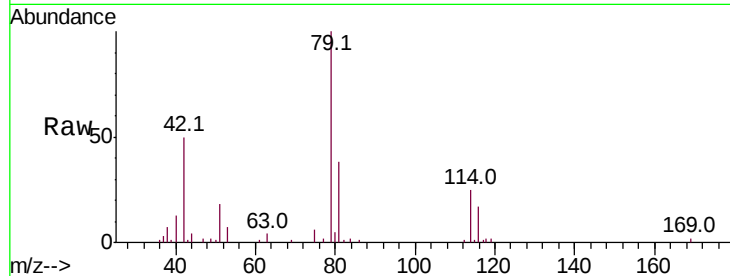




#42
 cis-1,3-Dichloropropene
 Concen: 0.791 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.03 min
 Lab File: VW014203.D
 Acq: 02 Dec 2019 15:01

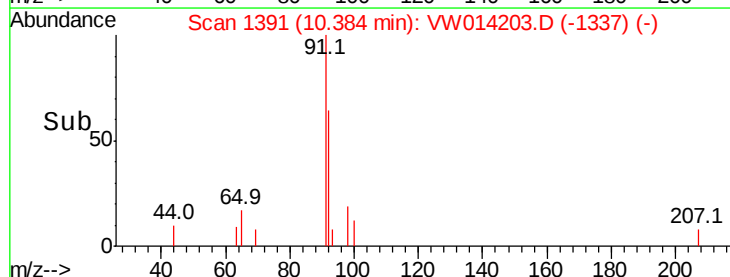
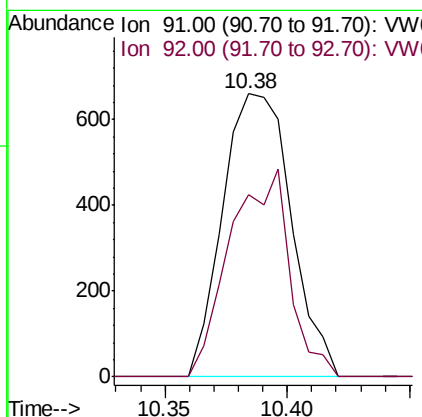
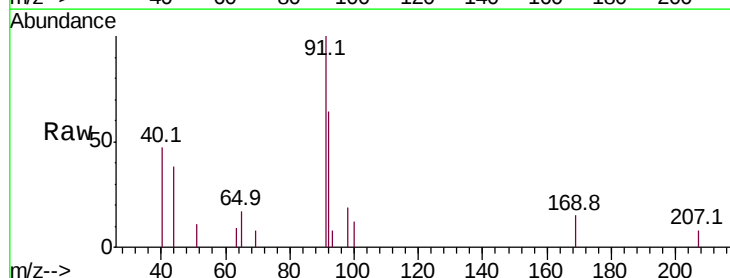
Instrument :
 MSVOA_W
 ClientSampleId :

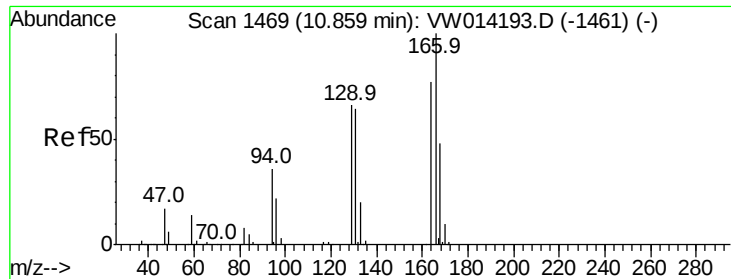
Tot Ion: 75 Resp: 842
 Ion Ratio Lower Upper
 75 100
 77 41.4 22.1 41.1#



#44
 Toluene
 Concen: 0.419 ug/L
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW014203.D
 Acq: 02 Dec 2019 15:01

Tgt Ion: 91 Resp: 1282
 Ion Ratio Lower Upper
 91 100
 92 64.4 40.7 75.7





#47

Tetrachloroethene

Concen: 0.504 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014203.D

Acq: 02 Dec 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 336

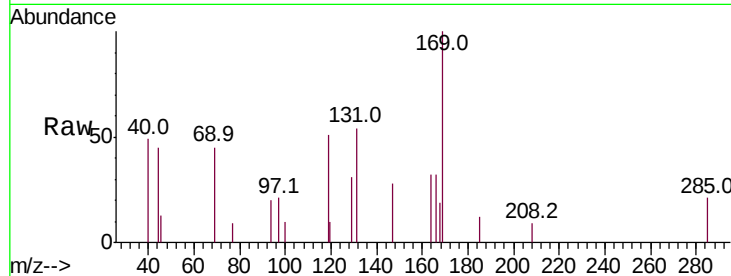
Ion Ratio Lower Upper

164 100

129 94.6 60.6 112.6

131 166.8 59.1 109.7#

166 100.0 90.8 168.6

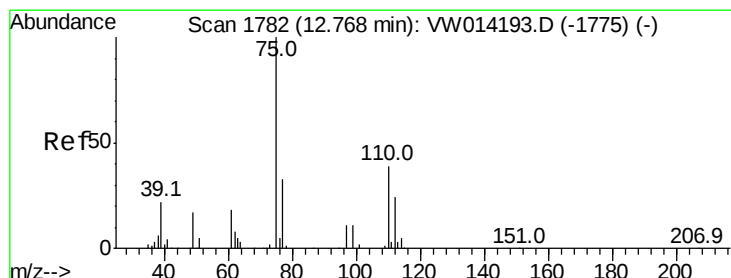
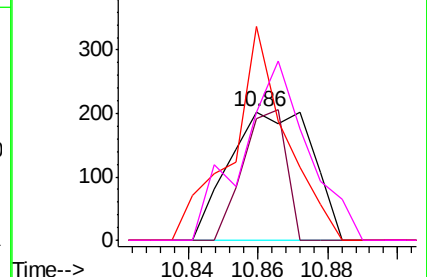
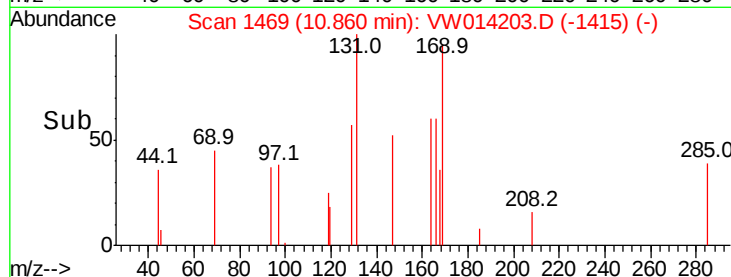


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 1.392 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW014203.D

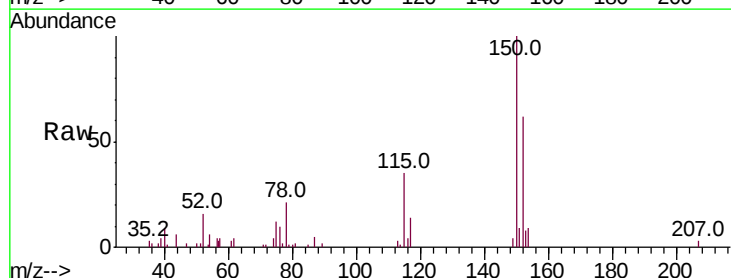
Acq: 02 Dec 2019 15:01

Tgt Ion: 75 Resp: 606

Ion Ratio Lower Upper

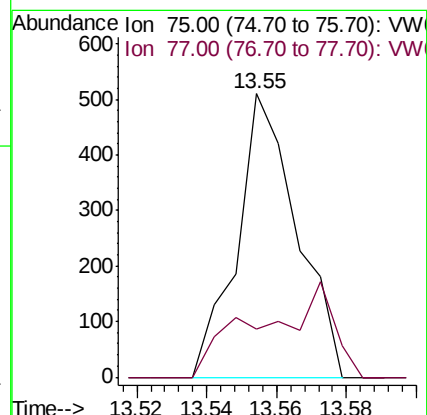
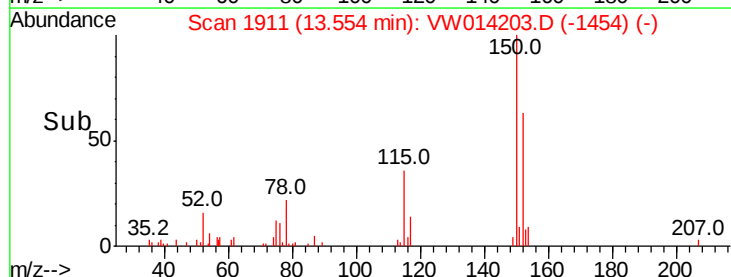
75 100

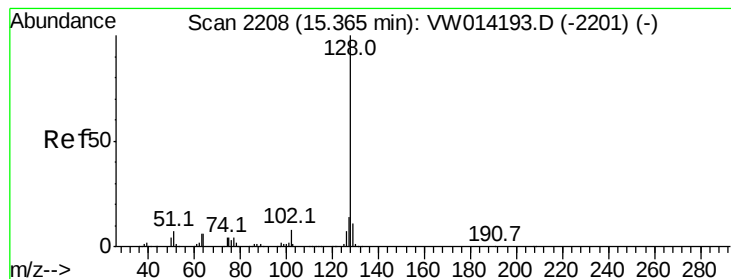
77 27.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#69

Naphthalene

Concen: 0.553 ug/L

RT: 15.43 min Scan# 2219

Delta R.T. 0.07 min

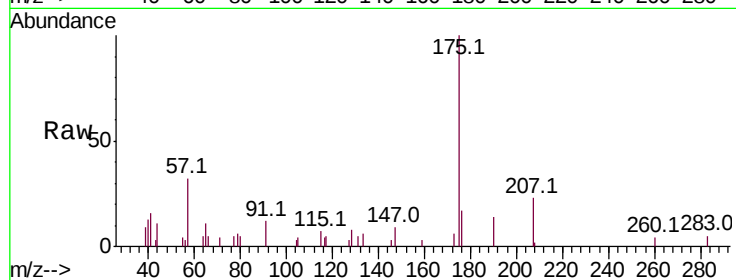
Lab File: VW014203.D

Acq: 02 Dec 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :



Tot Ion:	128	Resp:	190
Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.8	13.2#
127	0.0	10.4	15.6#

