

Data File : VW014379.D
Acq On : 16 Dec 2019 19:46
Operator : SY/VA
Sample : K6277-15
Misc : 4.59G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0C54

Quant Time: Dec 17 07:31:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 17 07:27:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	32616	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	18113	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	1298	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	14520	29.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	117.60%
7) Chloroethane-d5	2.89	69	16811	45.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	183.12%#
10) 1,1-Dichloroethene-d2	4.02	63	19617	22.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.96%
20) 2-Butanone-d5	7.08	46	3164	24.58	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	49.16%
24) Chloroform-d	7.65	84	31655	38.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	152.48%#
26) 1,2-Dichloroethane-d4	8.30	65	18566	42.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	170.56%#
29) Benzene-d6	8.27	84	54136	51.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	204.00%#
33) 1,2-Dichloropropane-d6	9.27	67	19898	60.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	243.68%#
37) Toluene-d8	10.32	98	30530	31.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	127.24%
38) trans-1,3-Dichloropropene-	10.58	79	3922	28.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	114.48%
39) 2-Hexanone-d5	10.93	63	2001	30.81	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	12701	47.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	190.88%#
61) 1,2-Dichlorobenzene-d4	13.85	152	2070	41.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	166.92%#

Target Compounds

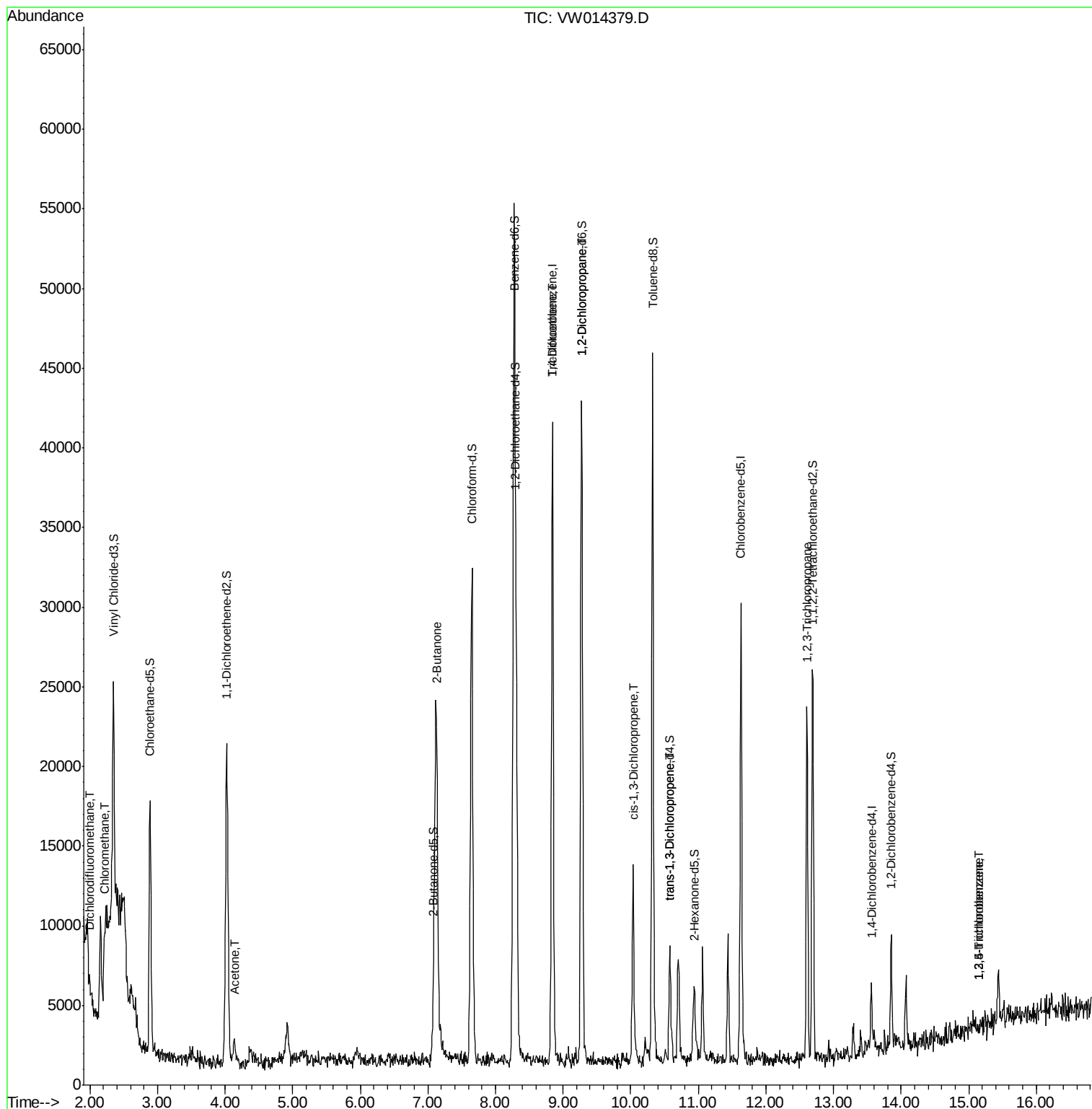
					Qvalue
2) Dichlorodifluoromethane	2.00	85	202	0.651 ug/L	92
3) Chloromethane	2.21	50	125	0.401 ug/L	93
13) Acetone	4.14	43	2504	20.179 ug/L	77
21) 2-Butanone	7.13	43	474	2.845 ug/L	81
35) Trichloroethene	8.84	95	1161	3.957 ug/L #	2
40) 1,2-Dichloropropane	9.27	63	2103	7.138 ug/L #	85
42) cis-1,3-Dichloropropene	10.03	75	275	0.623 ug/L #	73
45) trans-1,3-Dichloropropene	10.59	75	200	0.560 ug/L #	37
59) 1,2,3-Trichloropropane	12.60	75	221	1.085 ug/L #	42
67) 1,3,5-Trichlorobenzene	15.15	180	60	0.956 ug/L #	19
68) 1,2,4-trichlorobenzene	15.15	180	60	1.226 ug/L #	12

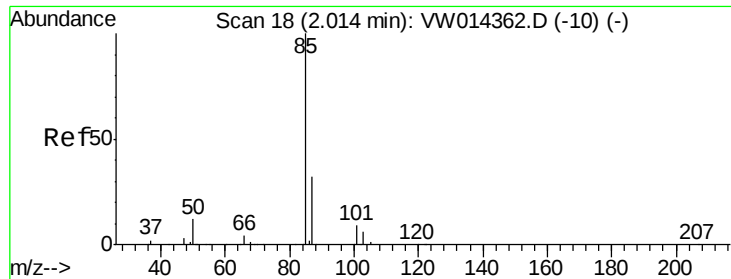
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.651 ug/L

RT: 2.00 min Scan# 15

Delta R.T. -0.02 min

Lab File: VW014379.D

Acq: 16 Dec 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

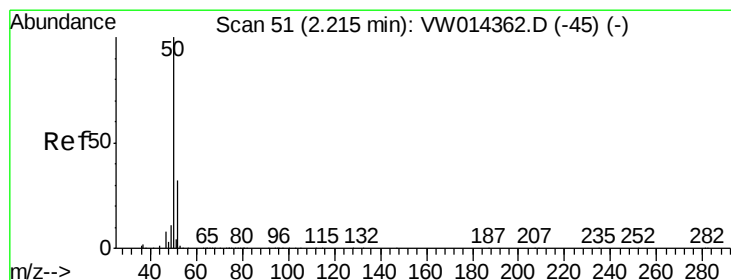
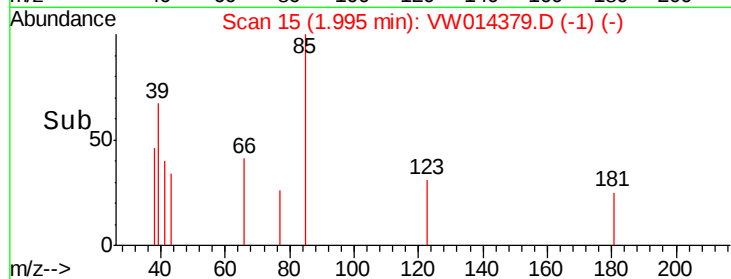
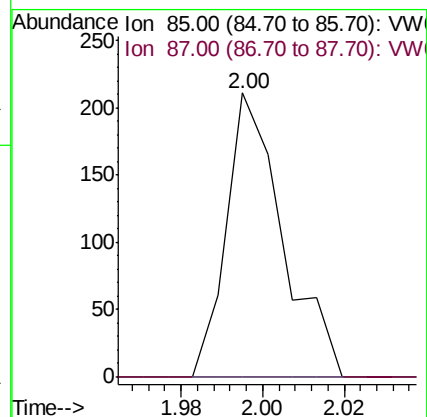
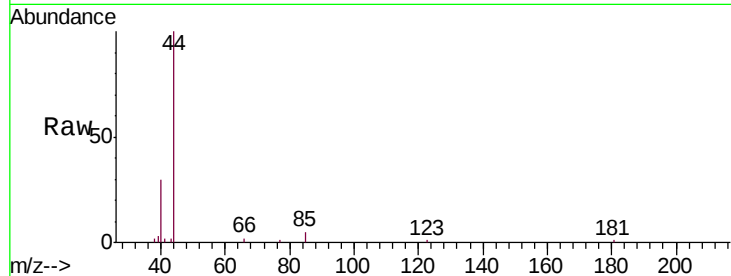
C0C54

Tgt Ion: 85 Resp: 202

Ion Ratio Lower Upper

85 100

87 36.1 22.1 41.1



#3

Chloromethane

Concen: 0.401 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014379.D

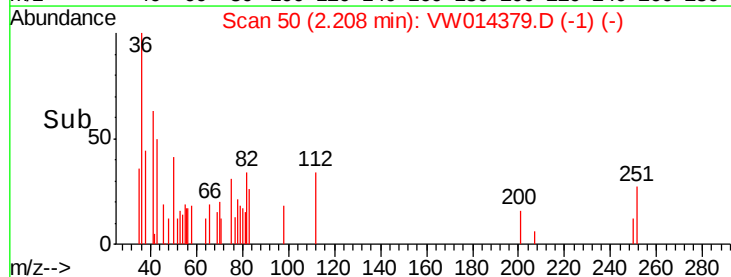
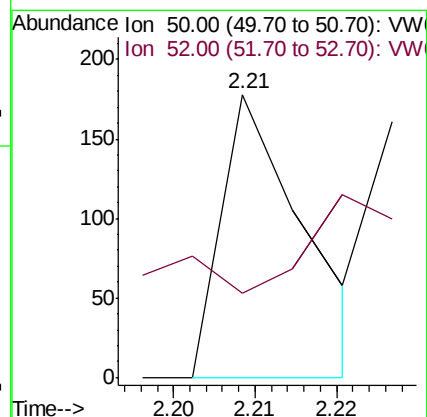
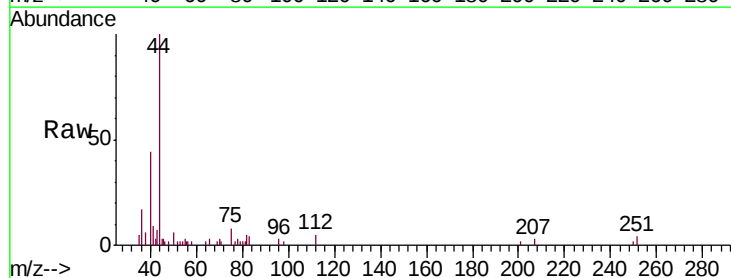
Acq: 16 Dec 2019 19:46

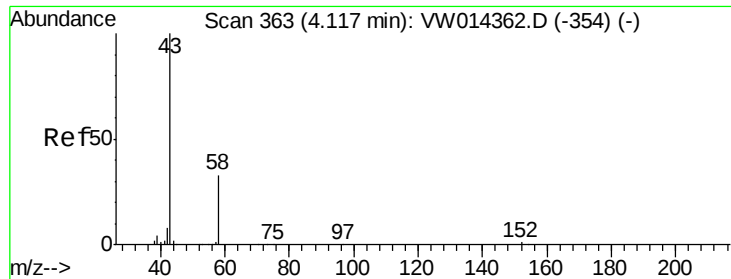
Tgt Ion: 50 Resp: 125

Ion Ratio Lower Upper

50 100

52 29.8 23.8 44.2





#13

Acetone

Concen: 20.179 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW014379.D

Acq: 16 Dec 2019 19:46

Instrument :

MSVOA_W

ClientSampled :

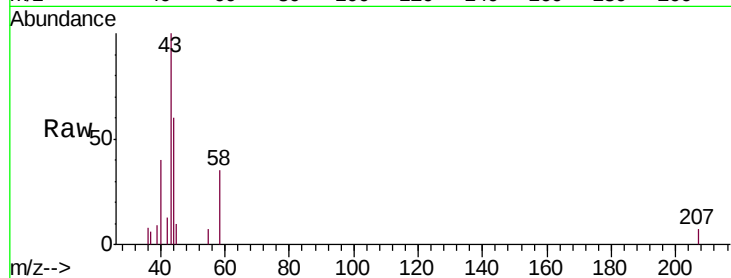
C0C54

Tgt Ion: 43 Resp: 2504

Ion Ratio Lower Upper

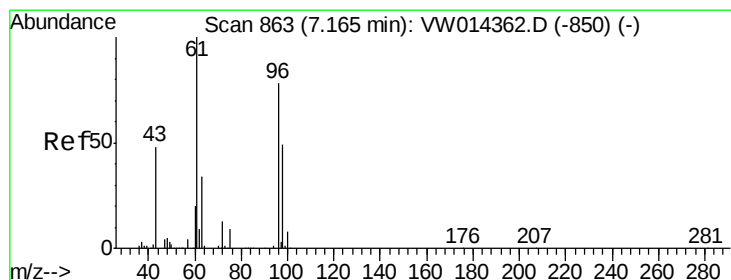
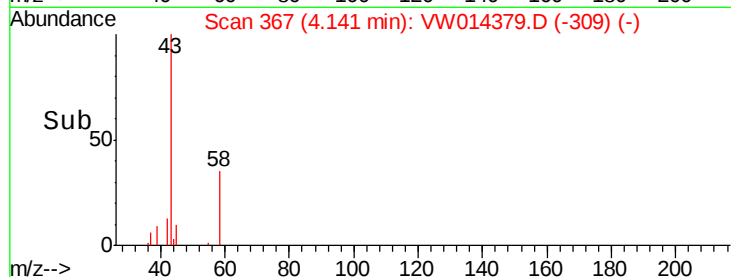
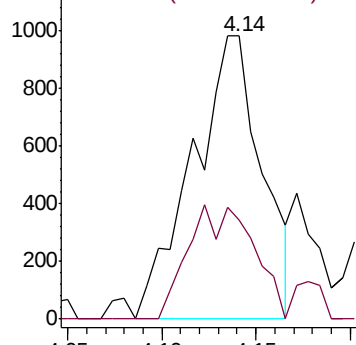
43 100

58 19.7 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#21

2-Butanone

Concen: 2.845 ug/L

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW014379.D

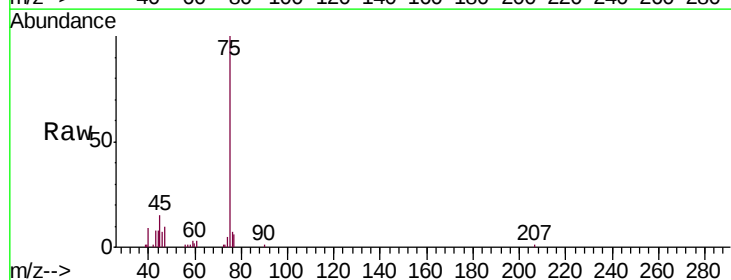
Acq: 16 Dec 2019 19:46

Tgt Ion: 43 Resp: 474

Ion Ratio Lower Upper

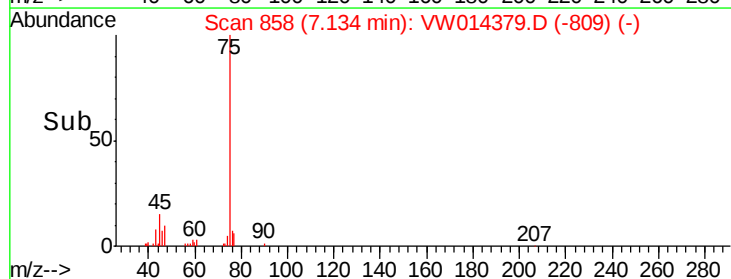
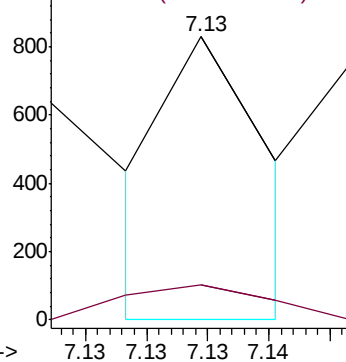
43 100

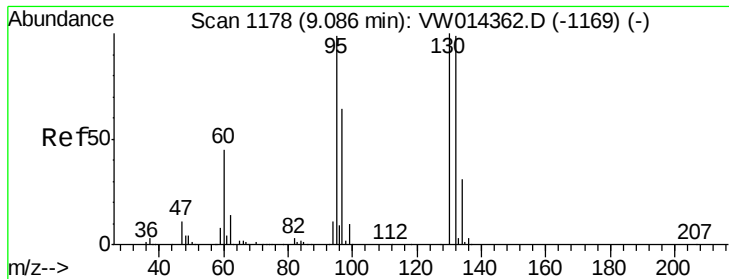
72 17.9 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#35

Trichloroethene

Concen: 3.957 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.24 min

Lab File: VW014379.D

Acq: 16 Dec 2019 19:46

Instrument :

MSVOA_W

ClientSampled :

C0C54

Tgt Ion: 95 Resp: 1161

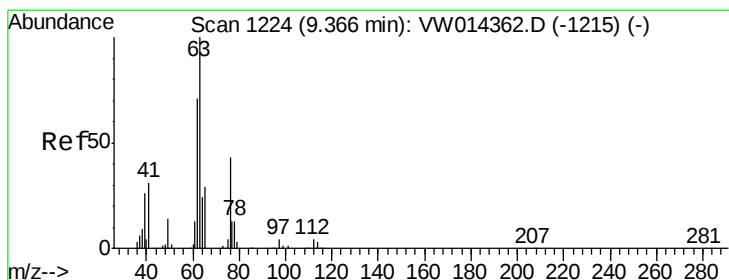
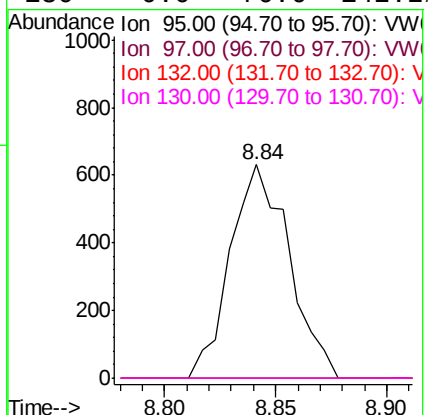
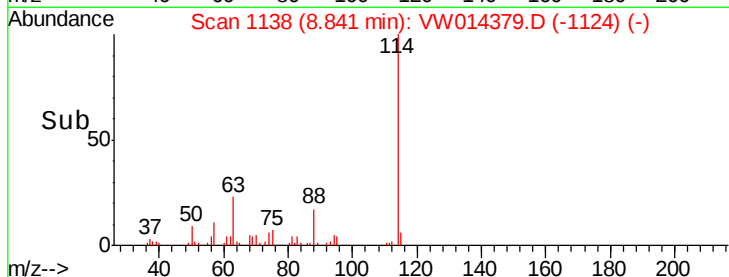
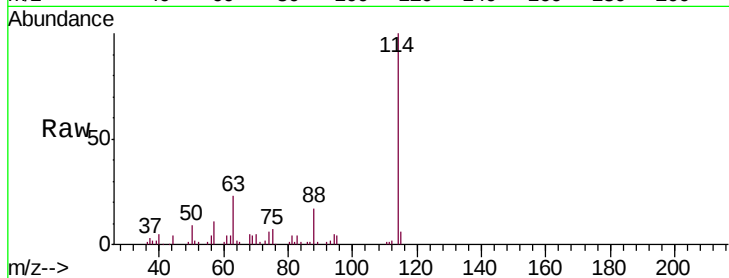
Ion Ratio Lower Upper

95 100

97 0.0 45.1 83.9#

132 0.0 73.7 136.9#

130 0.0 76.6 142.2#



#40

1,2-Dichloropropane

Concen: 7.138 ug/L

RT: 9.27 min Scan# 1208

Delta R.T. -0.10 min

Lab File: VW014379.D

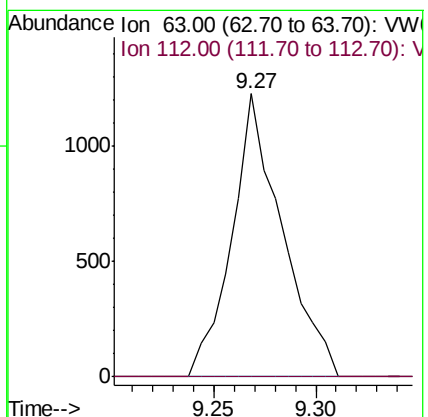
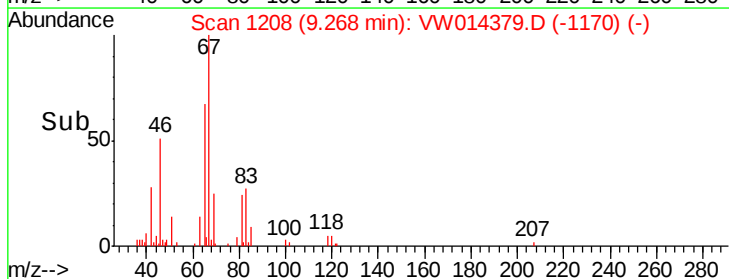
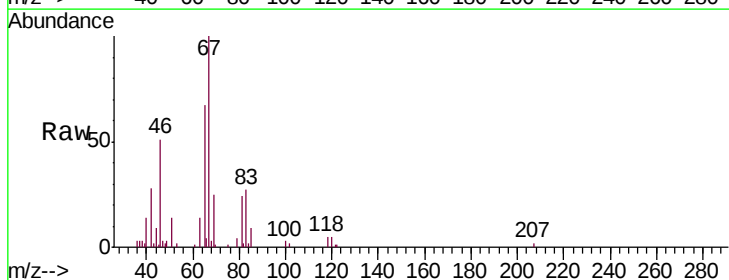
Acq: 16 Dec 2019 19:46

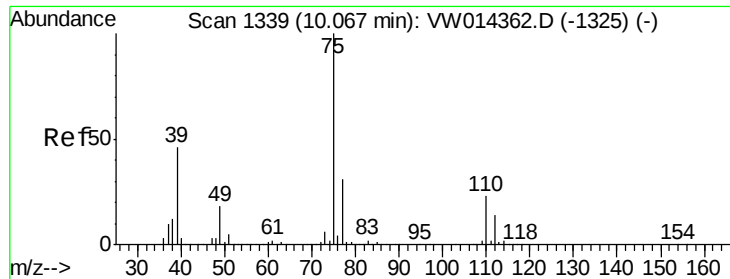
Tgt Ion: 63 Resp: 2103

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#





#42

cis-1,3-Dichloropropene

Concen: 0.623 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014379.D

Acq: 16 Dec 2019 19:46

Instrument :

MSVOA_W

ClientSampled :

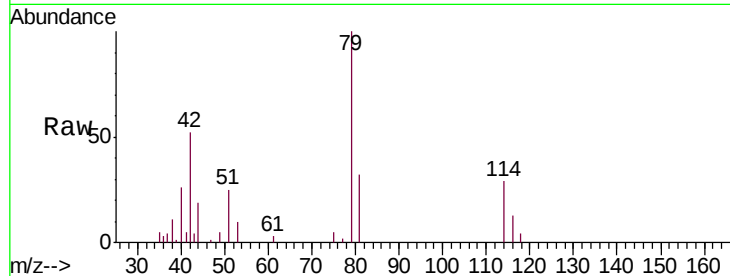
C0C54

Tgt Ion: 75 Resp: 275

Ion Ratio Lower Upper

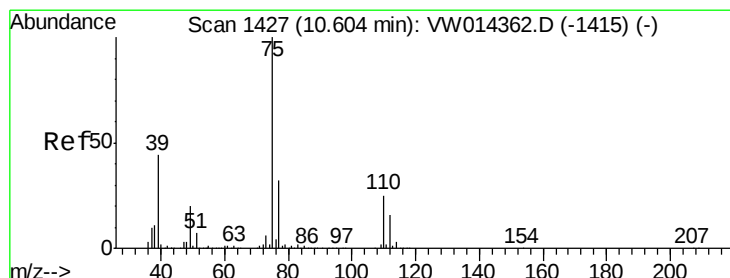
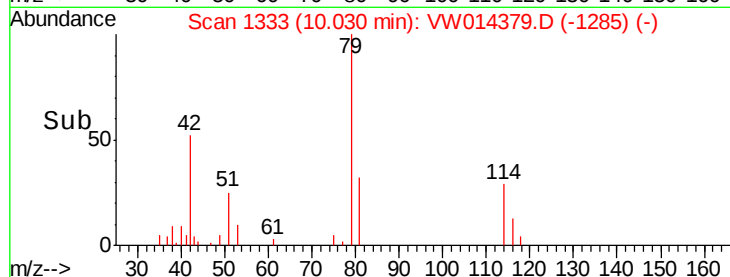
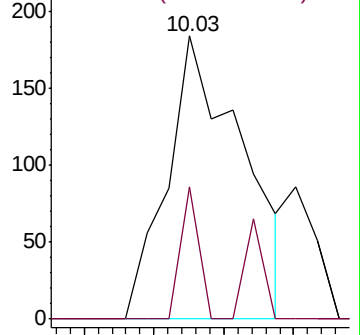
75 100

77 46.7 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#45

trans-1,3-Dichloropropene

Concen: 0.560 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW014379.D

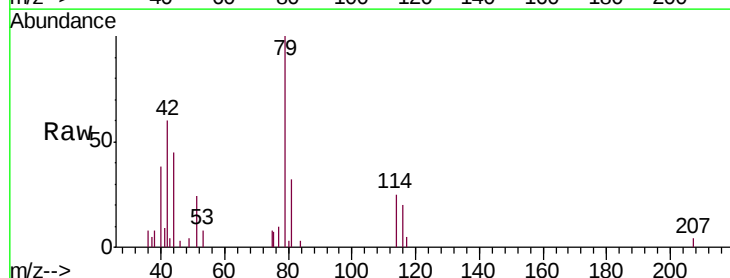
Acq: 16 Dec 2019 19:46

Tgt Ion: 75 Resp: 200

Ion Ratio Lower Upper

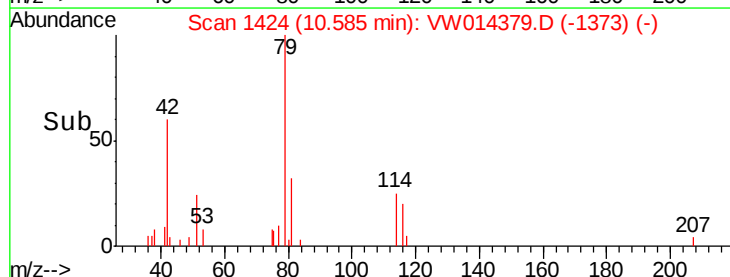
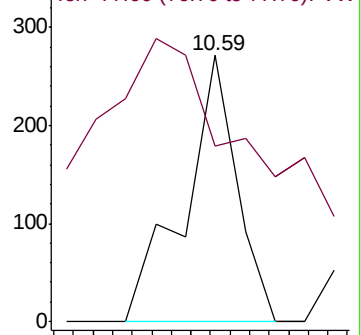
75 100

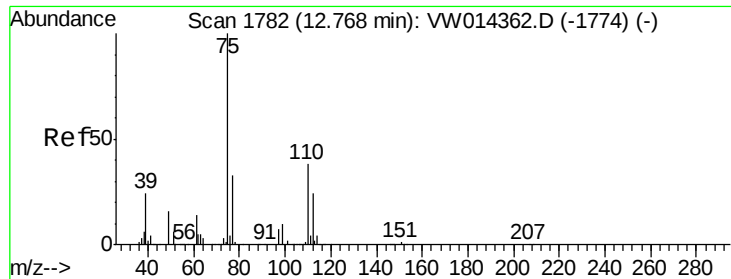
77 66.1 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#59

1,2,3-Trichloropropane

Concen: 1.085 ug/L

RT: 12.60 min Scan# 1755

Delta R.T. -0.16 min

Lab File: VW014379.D

Acq: 16 Dec 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

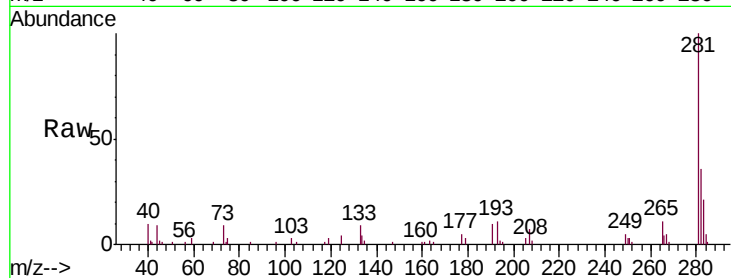
C0C54

Tgt Ion: 75 Resp: 221

Ion Ratio Lower Upper

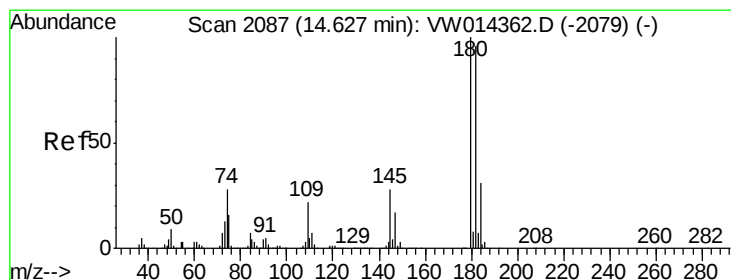
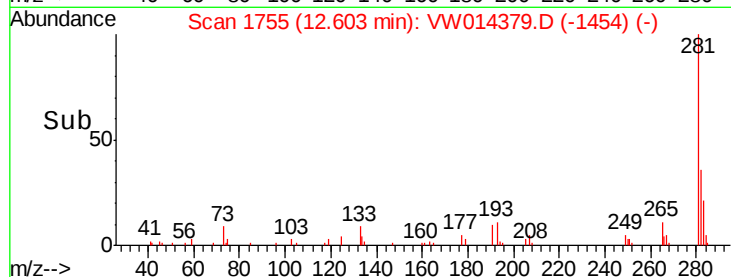
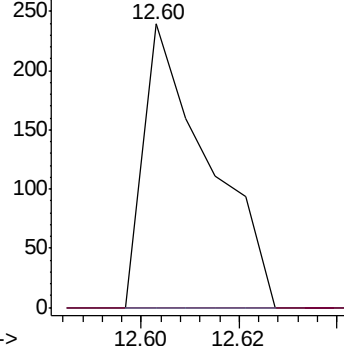
75 100

77 0.0 25.9 38.9#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#67

1,3,5-Trichlorobenzene

Concen: 0.956 ug/L

RT: 15.15 min Scan# 2173

Delta R.T. 0.52 min

Lab File: VW014379.D

Acq: 16 Dec 2019 19:46

Tgt Ion: 180 Resp: 60

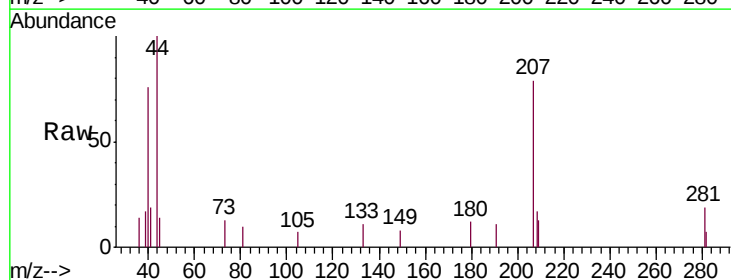
Ion Ratio Lower Upper

180 100

182 0.0 76.2 114.2#

184 0.0 24.3 36.5#

145 0.0 21.9 32.9#

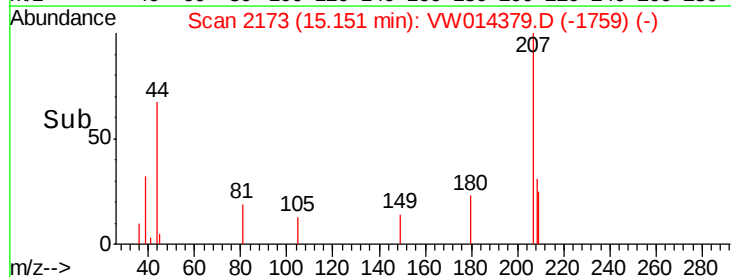
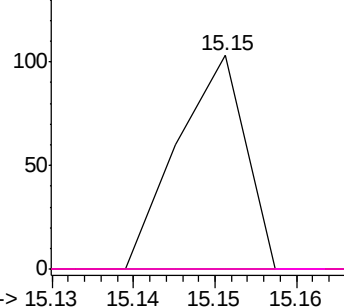


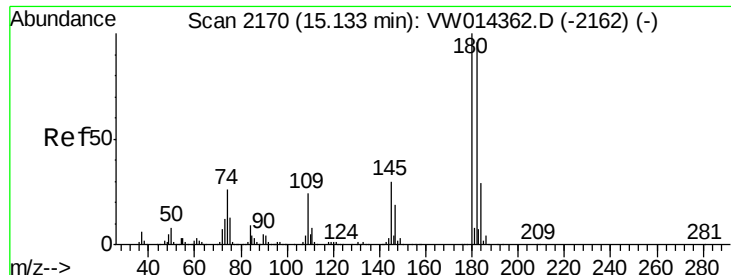
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

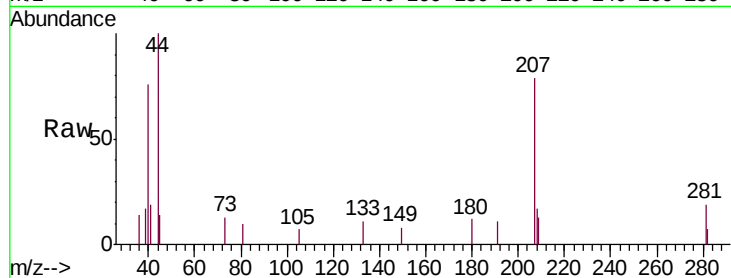




#68
 1,2,4-trichlorobenzene
 Concen: 1.226 ug/L
 RT: 15.15 min Scan# 2173
 Delta R.T. 0.02 min
 Lab File: VW014379.D
 Acq: 16 Dec 2019 19:46

Instrument :
 MSVOA_W
 ClientSampleId :
 C0C54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	75.8	113.8#
145	0.0	22.4	33.6#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

