

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011620\
 Data File : VW014667.D
 Acq On : 16 Jan 2020 12:43
 Operator : SY/VA
 Sample : L1118-09
 Misc : 5.08G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 17 01:21:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 17 01:19:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1064116	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	865602	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	297569	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	335379	22.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.44%
7) Chloroethane-d5	2.89	69	268149	24.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.04%
10) 1,1-Dichloroethene-d2	4.01	63	465492	16.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.84%
20) 2-Butanone-d5	7.07	46	199710	55.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.90%
24) Chloroform-d	7.77	84	179	0.01	ug/L	0.13
Spiked Amount	25.000	Range	40 - 150	Recovery	=	0.04%#
26) 1,2-Dichloroethane-d4	8.57	65	67	0.01	ug/L	0.26
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.04%#
29) Benzene-d6	8.27	84	1287632	27.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.88%
33) 1,2-Dichloropropane-d6	9.27	67	405659	29.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.24%
37) Toluene-d8	10.32	98	1074949	25.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.04%
38) trans-1,3-Dichloropropene-	10.58	79	147782	25.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.40%
39) 2-Hexanone-d5	10.92	63	148025	62.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	289051	27.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	267075	27.24	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.96%

Target Compounds

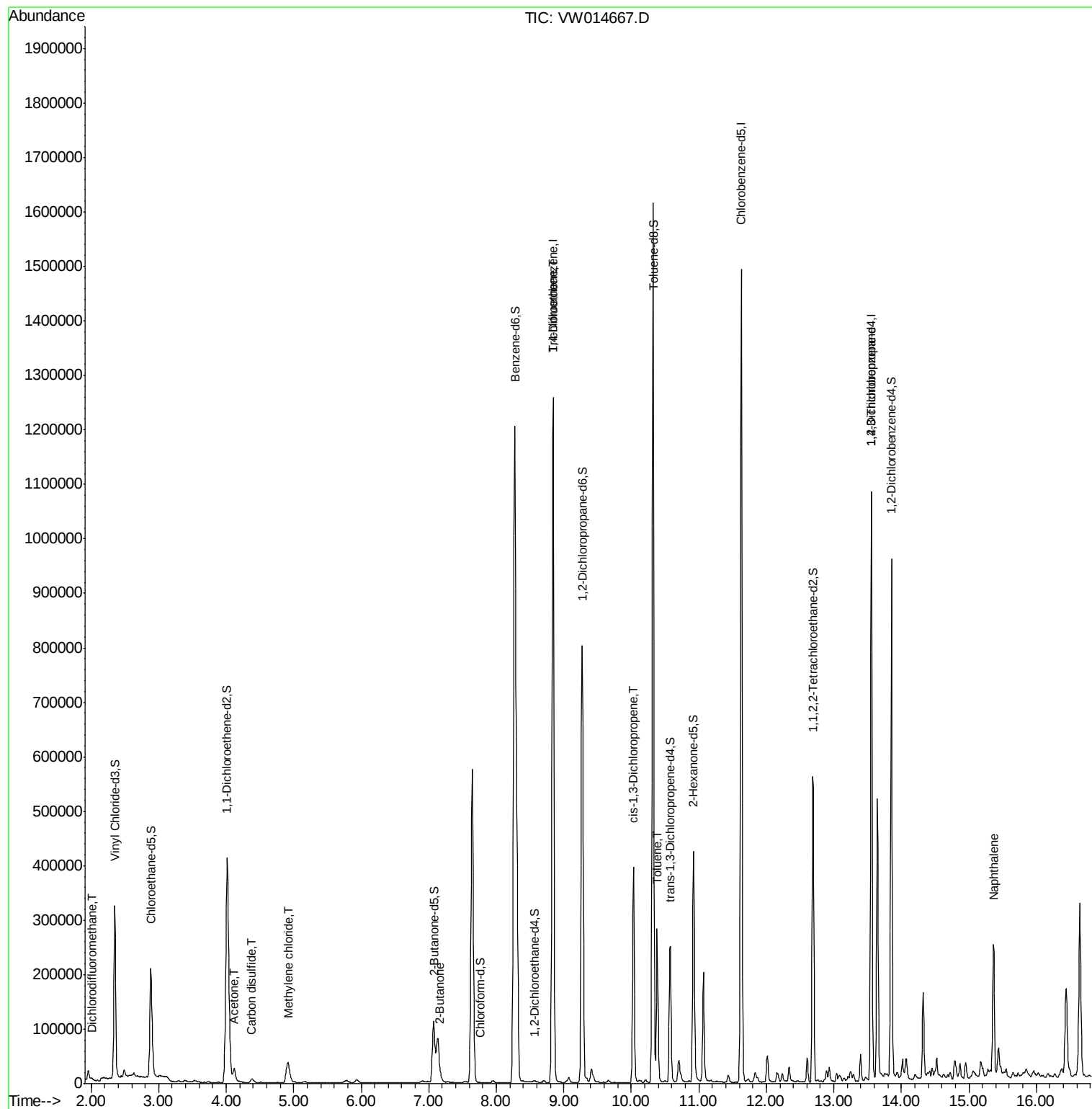
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.00	85	3804	0.400	ug/L #	83
13) Acetone	4.12	43	40135	8.121	ug/L	97
14) Carbon disulfide	4.38	76	12321	0.293	ug/L #	91
16) Methylene chloride	4.92	84	33870	1.952	ug/L	92
21) 2-Butanone	7.17	43	16434	3.099	ug/L	79
35) Trichloroethene	8.84	95	29894	2.224	ug/L #	4
42) cis-1,3-Dichloropropene	10.04	75	8651	0.439	ug/L #	60
44) Toluene	10.38	91	212832	3.910	ug/L	96
59) 1,2,3-Trichloropropane	13.55	75	33596	3.955	ug/L	90
69) Naphthalene	15.36	128	216320	11.977	ug/L	99

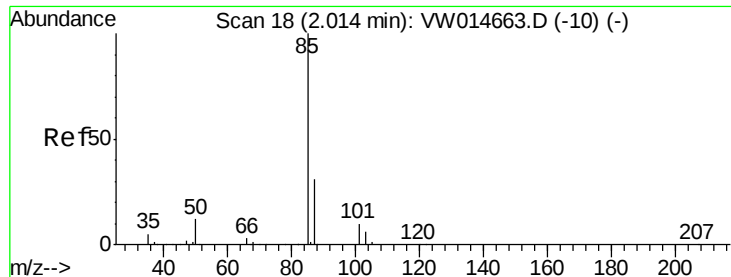
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Jan 17 01:19:13 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.400 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW014667.D

Acq: 16 Jan 2020 12:43

Instrument :

MSVOA_W

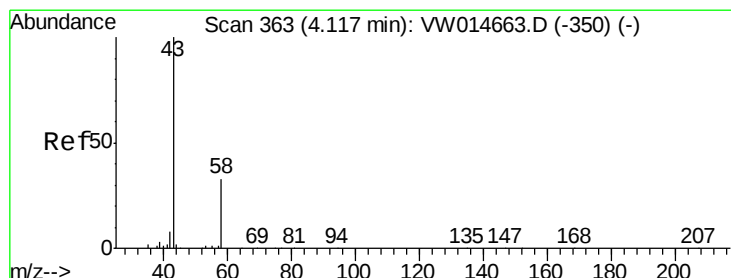
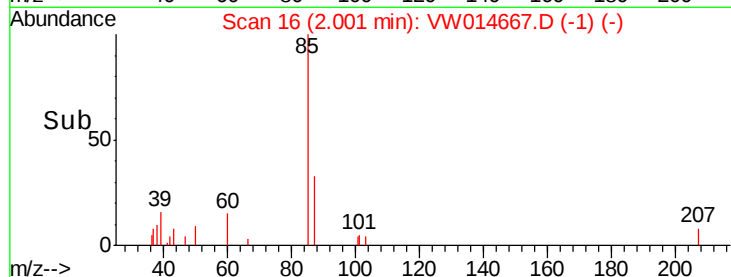
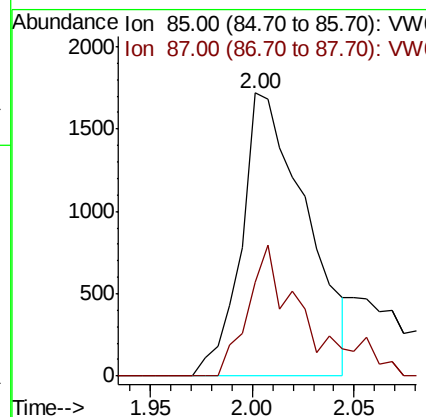
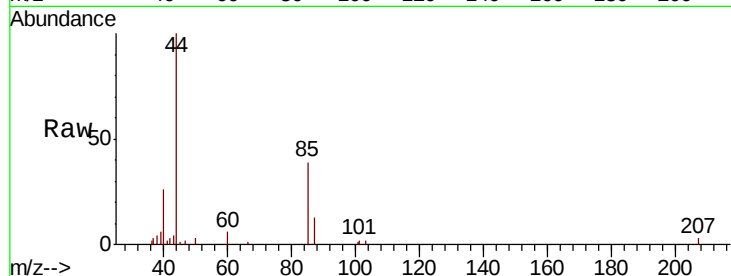
ClientSampleId :

Tot Ion: 85 Resp: 3804

Ion Ratio Lower Upper

85 100

87 21.3 21.5 39.9#



#13

Acetone

Concen: 8.121 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014667.D

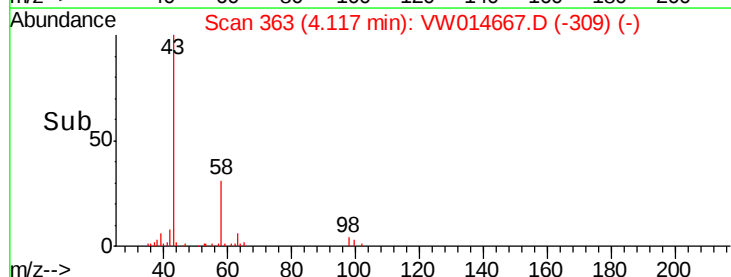
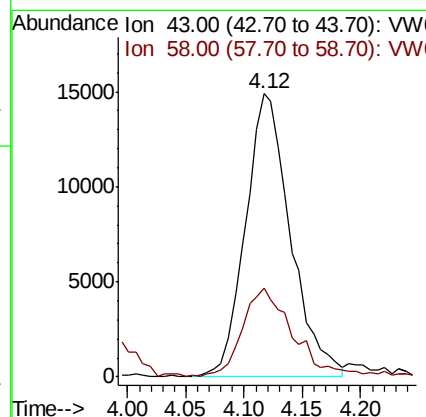
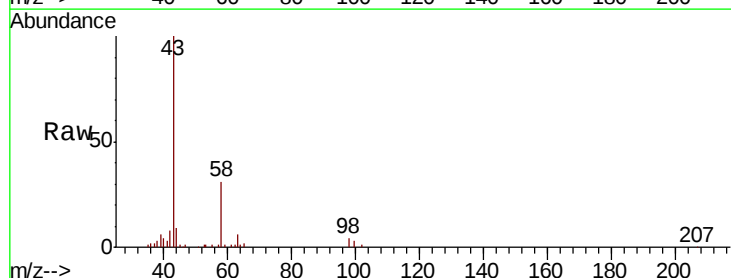
Acq: 16 Jan 2020 12:43

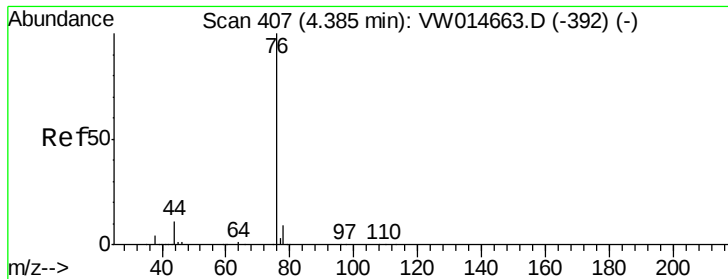
Tgt Ion: 43 Resp: 40135

Ion Ratio Lower Upper

43 100

58 30.3 0.0 64.0





#14

Carbon disulfide

Concen: 0.293 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014667.D

Acq: 16 Jan 2020 12:43

Instrument :

MSVOA_W

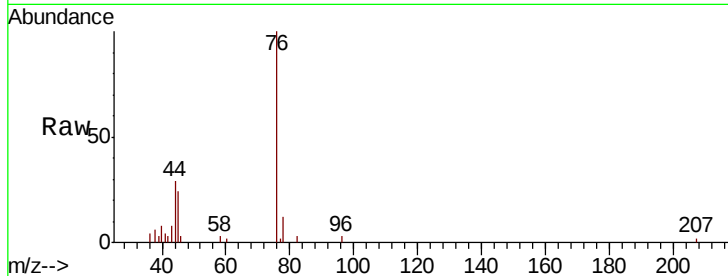
ClientSampleId :

Tot Ion: 76 Resp: 12321

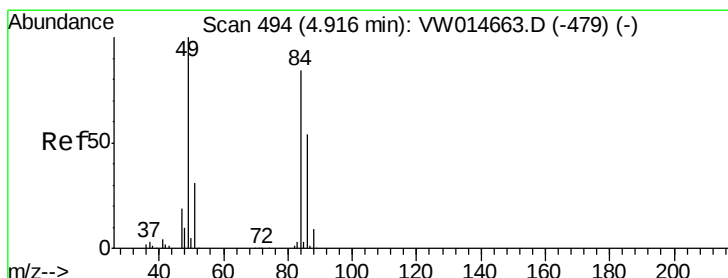
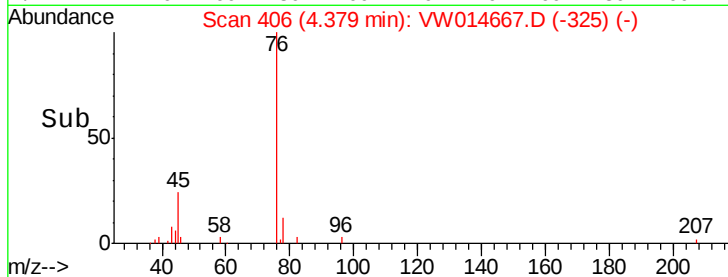
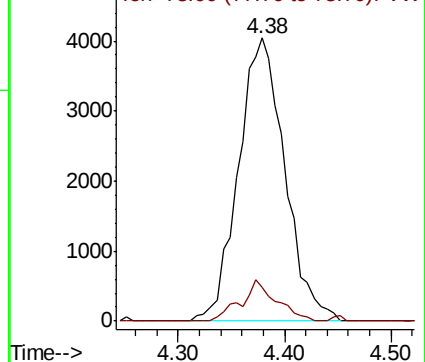
Ion Ratio Lower Upper

76 100

78 11.8 6.9 10.3#



Abundance Ion 76.00 (75.70 to 76.70): VW
Ion 78.00 (77.70 to 78.70): VW



#16

Methylene chloride

Concen: 1.952 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW014667.D

Acq: 16 Jan 2020 12:43

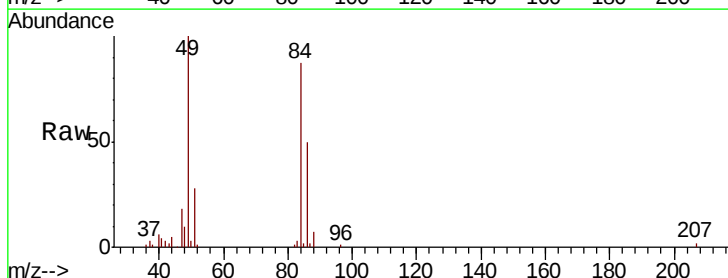
Tgt Ion: 84 Resp: 33870

Ion Ratio Lower Upper

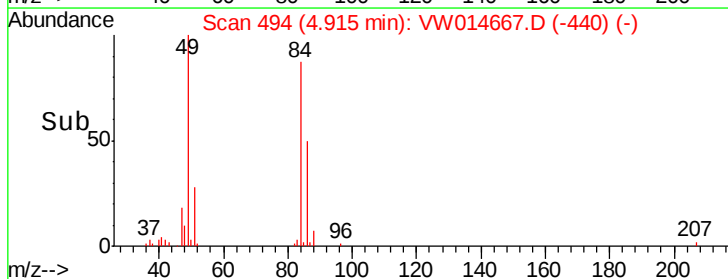
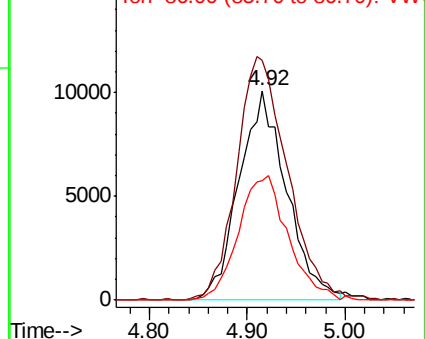
84 100

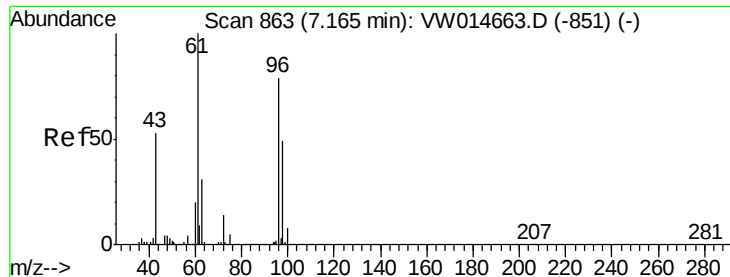
49 114.4 85.8 159.4

86 56.9 44.5 82.7



Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 3.099 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014667.D

Acq: 16 Jan 2020 12:43

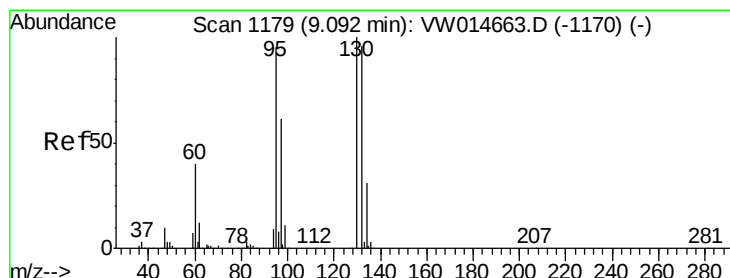
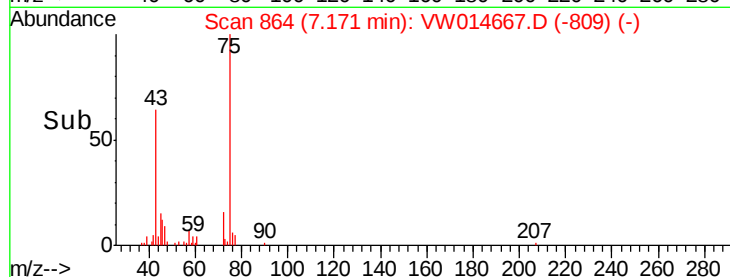
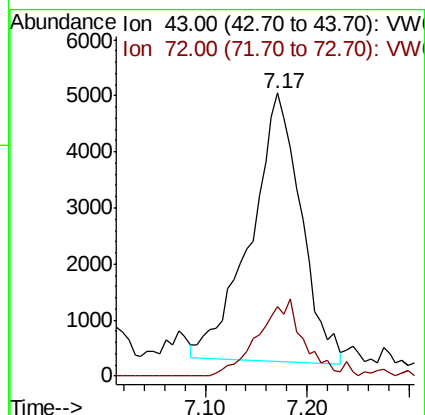
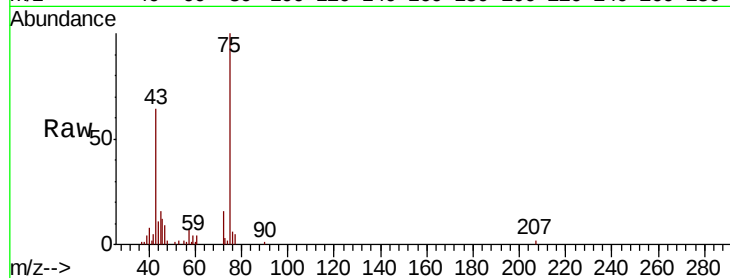
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 16434

Ion Ratio Lower Upper

43 100

72 15.7 13.3 39.8



#35

Trichloroethene

Concen: 2.224 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW014667.D

Acq: 16 Jan 2020 12:43

Tgt Ion: 95 Resp: 29894

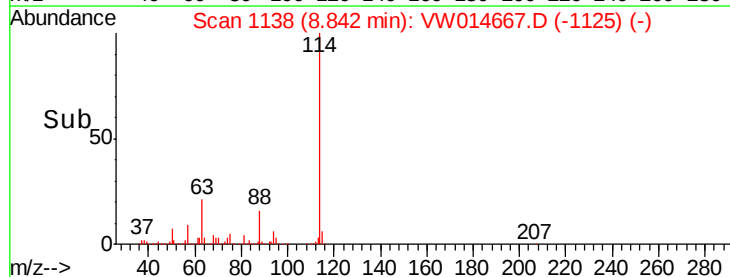
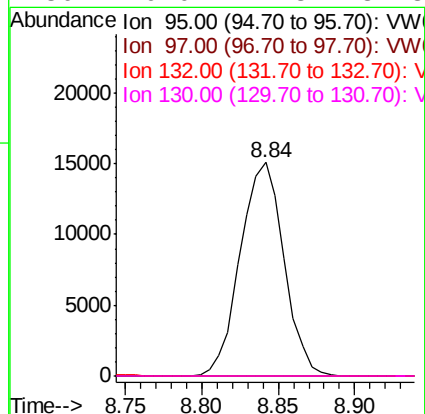
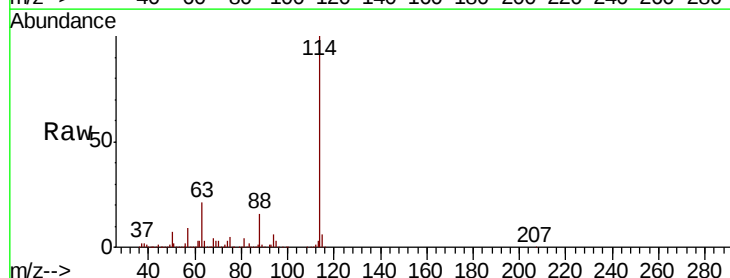
Ion Ratio Lower Upper

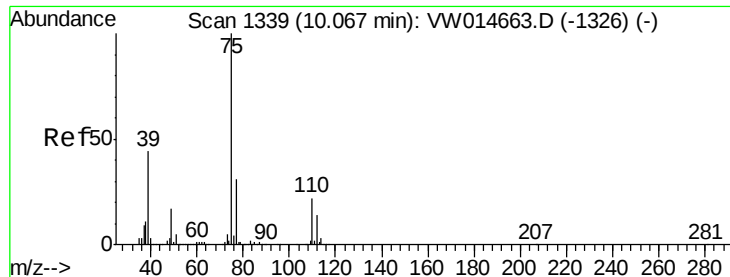
95 100

97 0.2 44.3 82.3#

132 0.0 69.2 128.6#

130 0.0 72.3 134.3#





#42

cis-1,3-Dichloropropene

Concen: 0.439 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.03 min

Lab File: VW014667.D

Acq: 16 Jan 2020 12:43

Instrument :

MSVOA_W

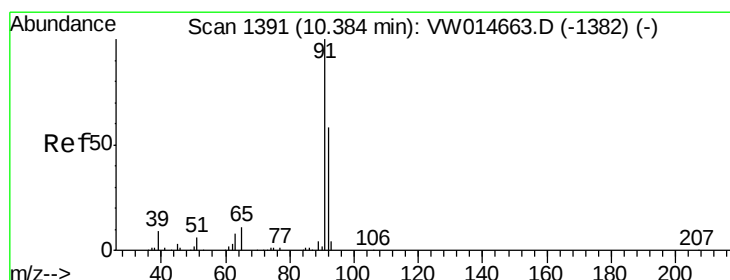
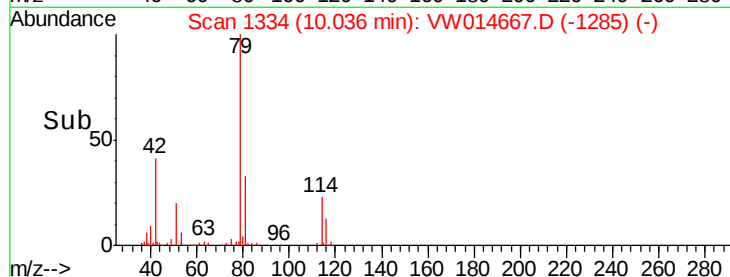
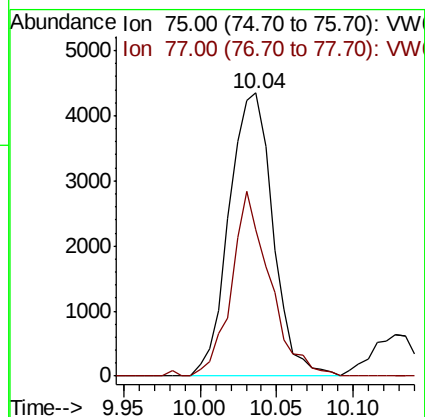
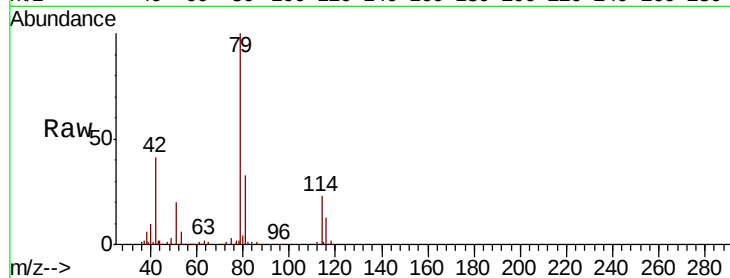
ClientSampleId :

Tot Ion: 75 Resp: 8651

Ion Ratio Lower Upper

75 100

77 51.9 21.0 39.0#



#44

Toluene

Concen: 3.910 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014667.D

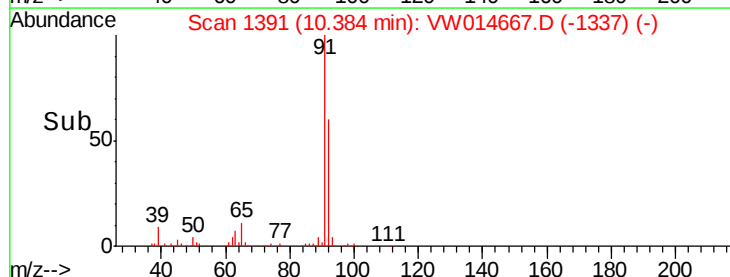
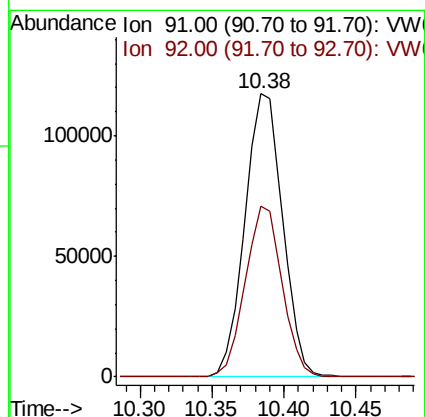
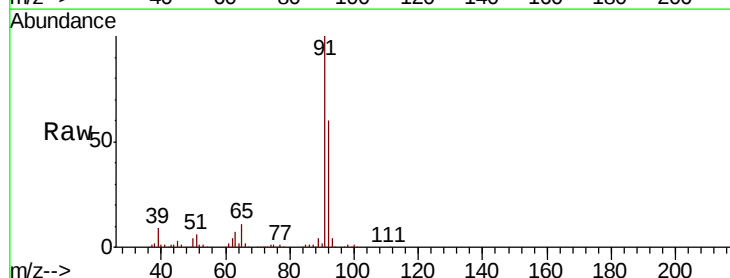
Acq: 16 Jan 2020 12:43

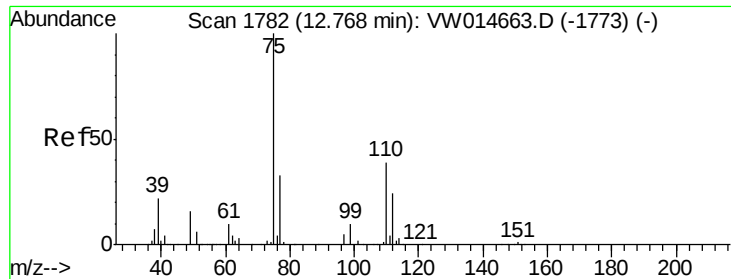
Tgt Ion: 91 Resp: 212832

Ion Ratio Lower Upper

91 100

92 60.2 40.2 74.6

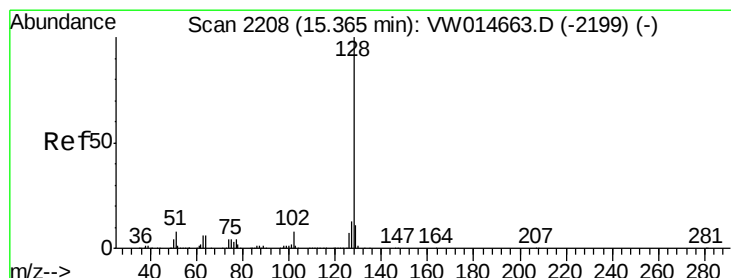
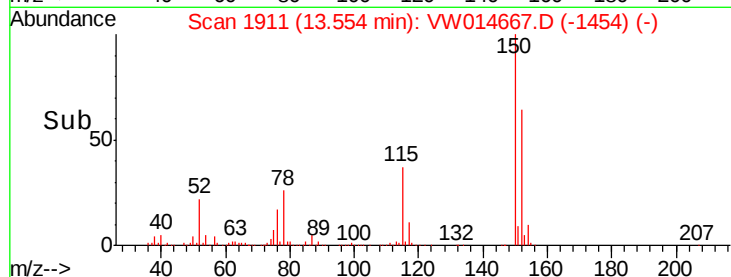
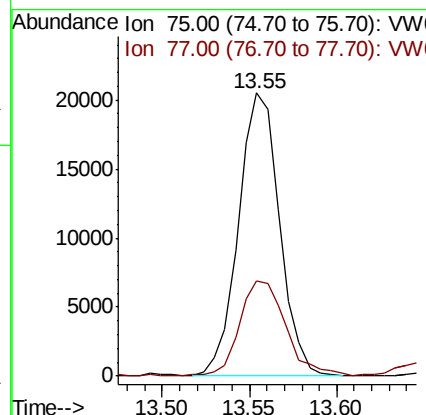
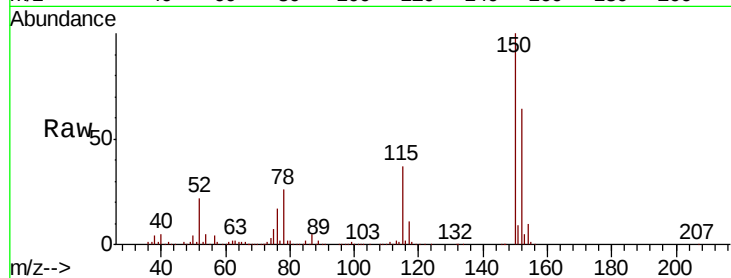




#59
 1,2,3-Trichloropropane
 Concen: 3.955 ug/L
 RT: 13.55 min Scan# 1911
 Delta R.T. 0.79 min
 Lab File: VW014667.D
 Acq: 16 Jan 2020 12:43

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 33596
 Ion Ratio Lower Upper
 75 100
 77 38.2 26.2 39.2



#69
 Naphthalene
 Concen: 11.977 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW014667.D
 Acq: 16 Jan 2020 12:43

Tgt Ion: 128 Resp: 216320
 Ion Ratio Lower Upper
 128 100
 129 10.9 8.8 13.2
 127 12.8 10.6 16.0

