

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101620\
 Data File : VW016918.D
 Acq On : 15 Oct 2020 17:43
 Operator : SY/VA
 Sample : VIBLK
 Misc : 6.52G/10ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK13

Quant Time: Oct 16 08:16:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 16 08:07:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	457357	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	407630	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	204401	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	98239	21.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.08%
7) Chloroethane-d5	2.90	69	84222	22.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.00%
10) 1,1-Dichloroethene-d2	4.03	63	152494	15.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.68%
20) 2-Butanone-d5	7.09	46	57041	55.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.64%
24) Chloroform-d	7.65	84	232751	24.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.48%
26) 1,2-Dichloroethane-d4	8.31	65	119023	25.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.16%
29) Benzene-d6	8.27	84	457724	24.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.88%
33) 1,2-Dichloropropane-d6	9.28	67	130175	26.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.64%
37) Toluene-d8	10.33	98	426792	24.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.72%
38) trans-1,3-Dichloropropene-	10.59	79	52171	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.12%
39) 2-Hexanone-d5	10.93	63	46131	59.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	113725	28.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.20%
61) 1,2-Dichlorobenzene-d4	13.86	152	166842	25.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.92%

Target Compounds

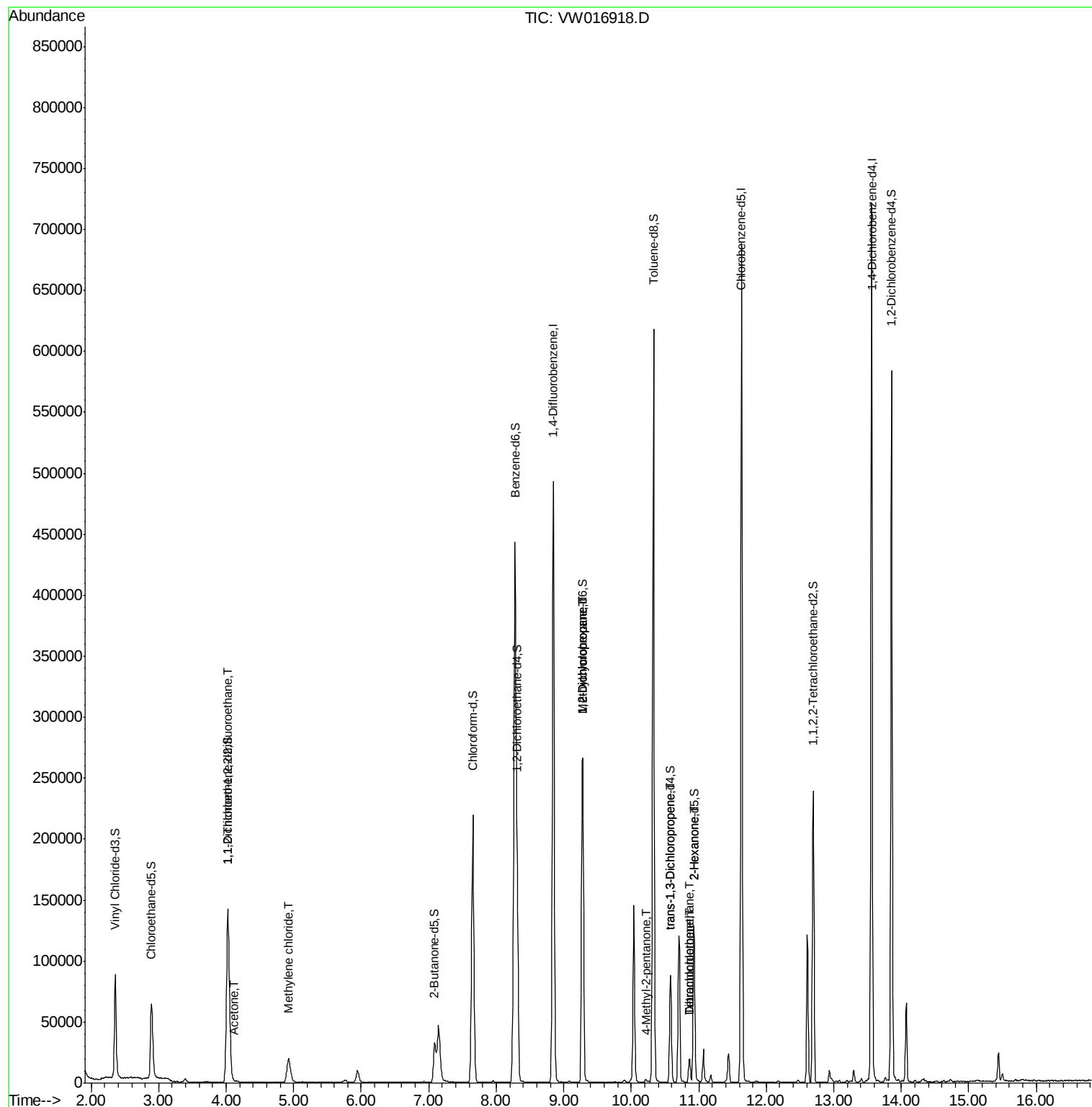
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1606	0.261	ug/L #	17
13) Acetone	4.12	43	268	0.347	ug/L	97
16) Methylene chloride	4.93	84	18681	2.960	ug/L	98
36) Methylcyclohexane	9.27	83	33721	3.239	ug/L #	22
40) 1,2-Dichloropropane	9.28	63	14400	2.909	ug/L #	86
43) 4-Methyl-2-pentanone	10.21	43	1958	0.786	ug/L #	92
45) trans-1,3-Dichloropropene	10.59	75	2404	0.362	ug/L	89
47) Tetrachloroethene	10.86	164	4228	0.737	ug/L	95
49) 2-Hexanone	10.93	43	5335	3.243	ug/L #	65
50) Dibromochloromethane	10.87	129	4030	0.806	ug/L #	11

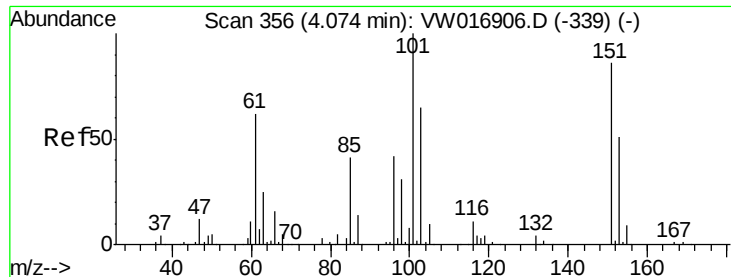
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Oct 16 08:07:29 2020
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.261 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.04 min

Lab File: VW016918.D

Acq: 15 Oct 2020 17:43

Instrument :

MSVOA_W

ClientSampled :

VIBLK13

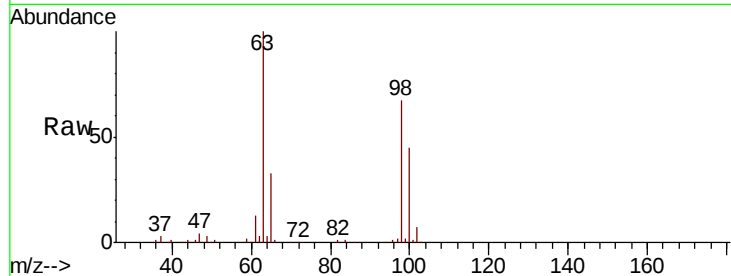
Tot Ion:101 Resp: 1606

Ion Ratio Lower Upper

101 100

85 0.0 31.7 47.5#

151 0.0 66.6 99.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V

800

600

400

200

0

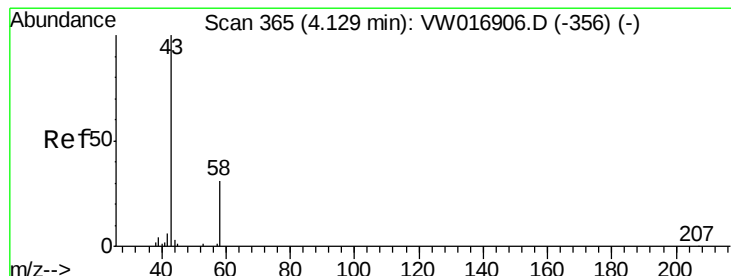
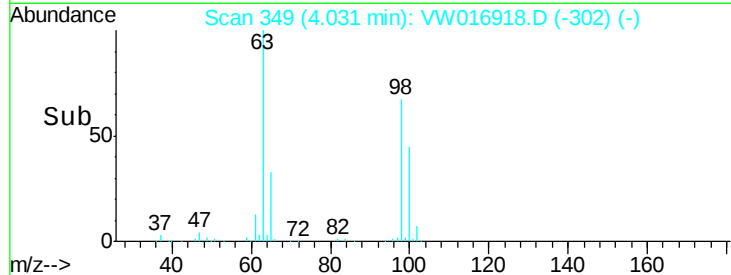
3.95

4.00

4.03

4.05

Time-->



#13

Acetone

Concen: 0.347 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW016918.D

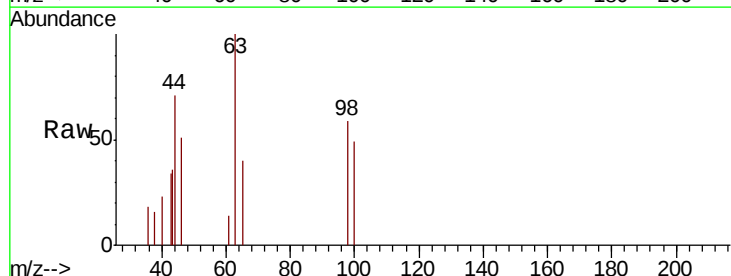
Acq: 15 Oct 2020 17:43

Tgt Ion: 43 Resp: 268

Ion Ratio Lower Upper

43 100

58 32.1 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

500

400

300

200

100

0

4.09

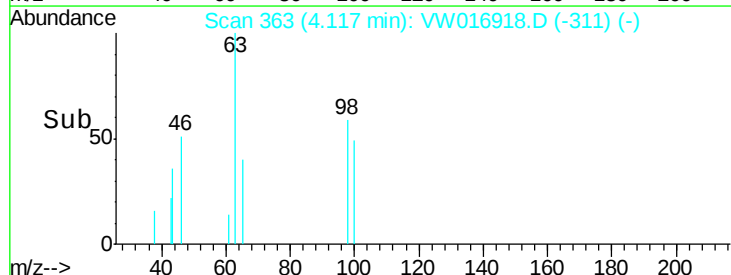
4.10

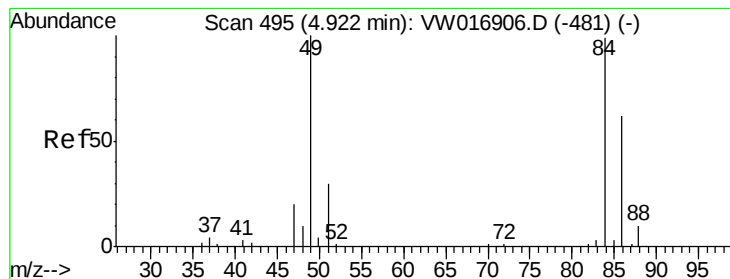
4.11

4.12

4.13

Time-->





#16

Methvlene chloride

Concen: 2.960 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016918.D

Acq: 15 Oct 2020 17:43

Instrument :

MSVOA_W

ClientSampleId :

VIBLK13

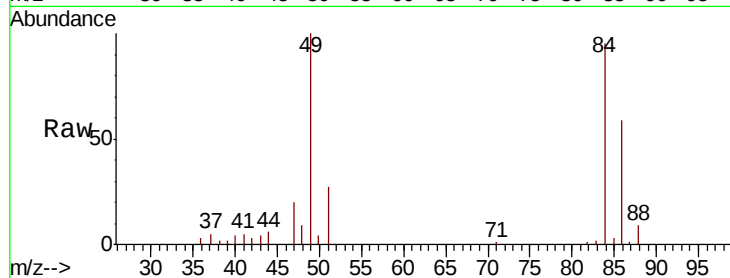
Tot Ion: 84 Resp: 18681

Ion Ratio Lower Upper

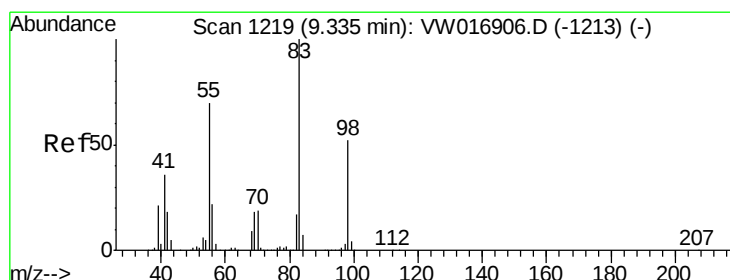
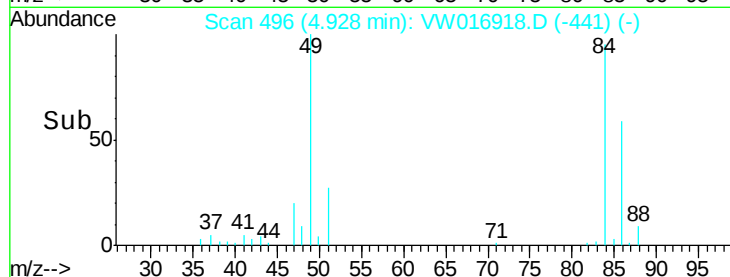
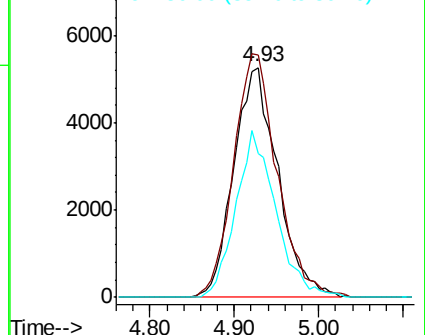
84 100

49 105.3 73.1 135.8

86 62.7 46.0 85.4



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



#36

Methylcyclohexane

Concen: 3.239 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW016918.D

Acq: 15 Oct 2020 17:43

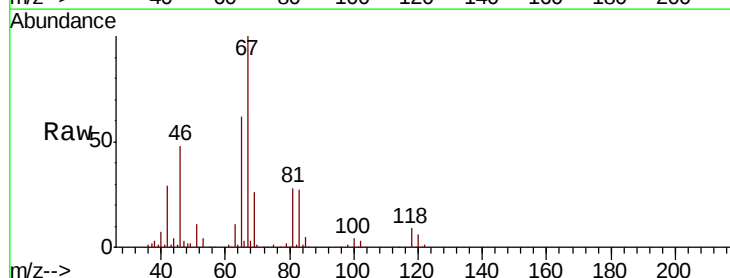
Tgt Ion: 83 Resp: 33721

Ion Ratio Lower Upper

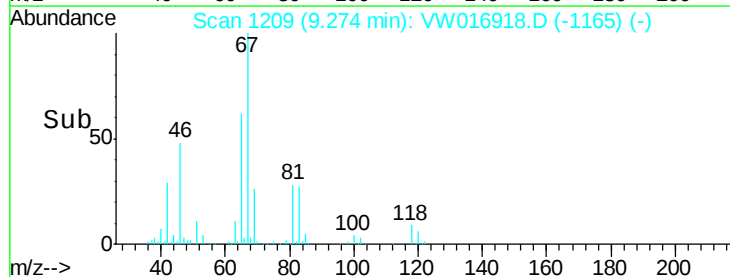
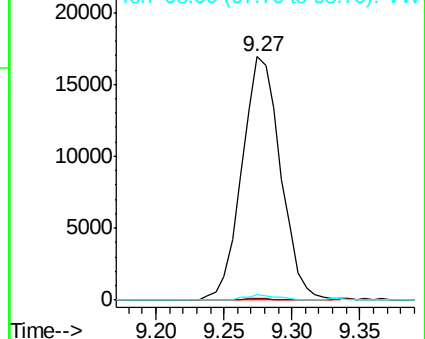
83 100

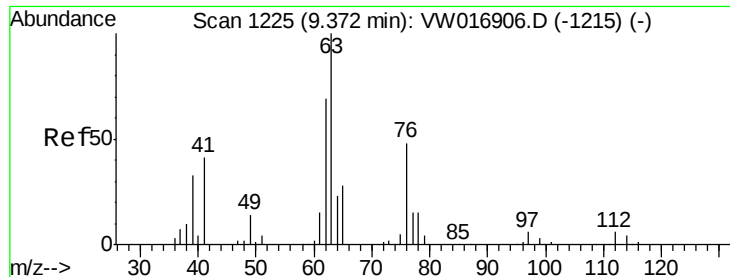
55 0.6 54.2 81.4#

98 1.7 41.4 62.2#



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

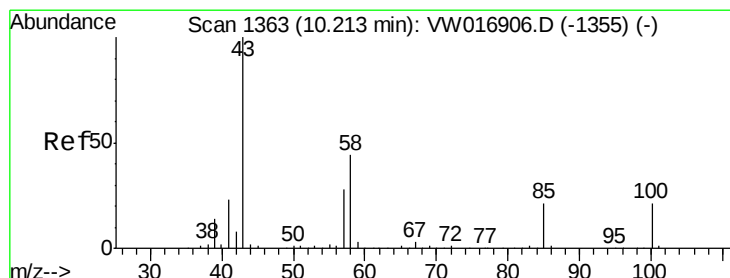
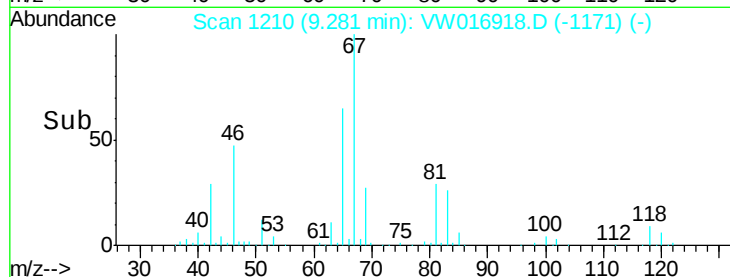
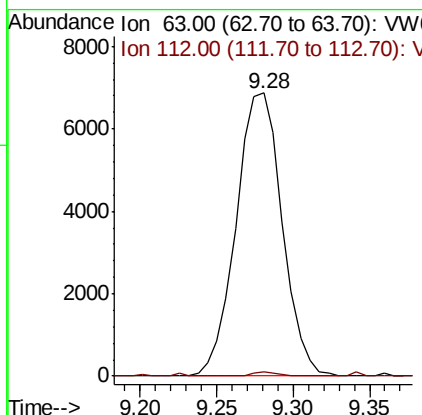
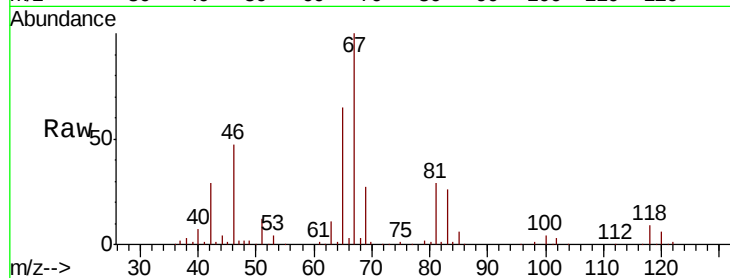




#40
 1,2-Dichloropropane
 Concen: 2.909 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.09 min
 Lab File: VW016918.D
 Acq: 15 Oct 2020 17:43

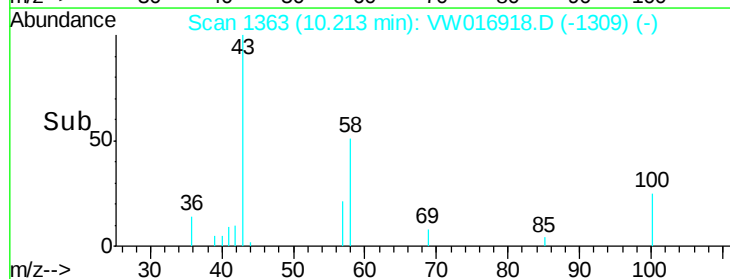
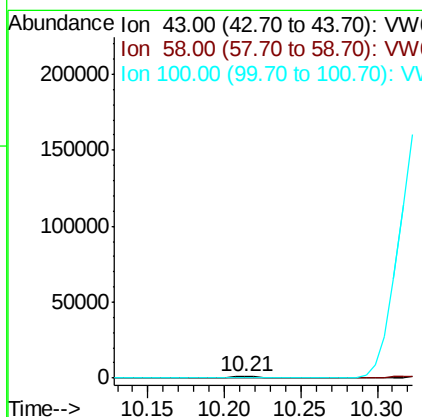
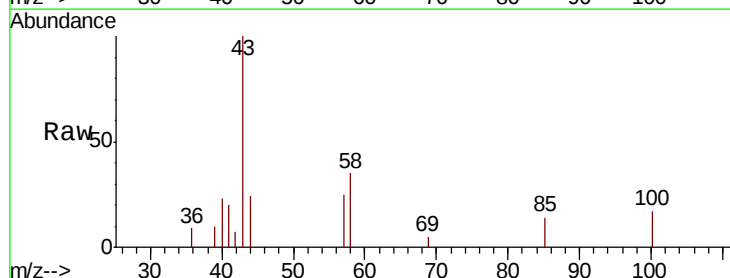
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 MSVOA_W
 ClientSampled :
 VIBLK13

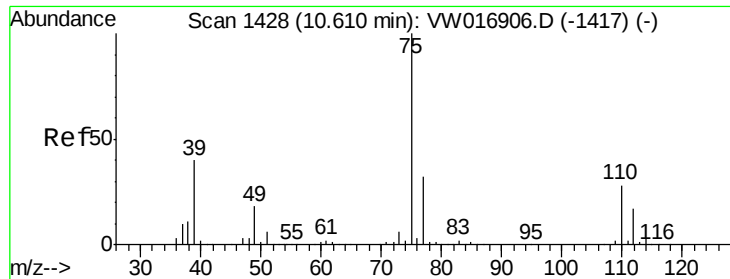
Tot Ion: 63 Resp: 14400
 Ion Ratio Lower Upper
 63 100
 112 0.8 4.5 6.7#



#43
 4-Methyl-2-pentanone
 Concen: 0.786 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016918.D
 Acq: 15 Oct 2020 17:43

Tgt Ion: 43 Resp: 1958
 Ion Ratio Lower Upper
 43 100
 58 40.8 34.7 52.1
 100 13.5 16.9 25.3#





#45

trans-1,3-Dichloropropene

Concen: 0.362 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016918.D

Acq: 15 Oct 2020 17:43

Instrument :

MSVOA_W

ClientSampleId :

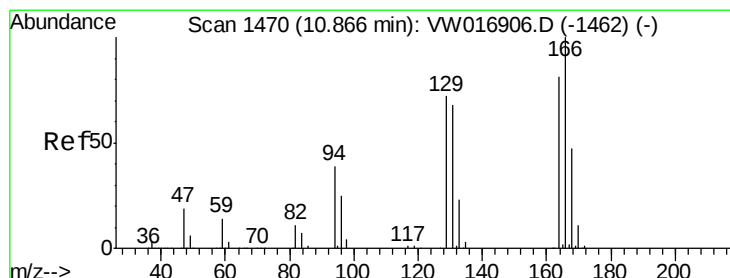
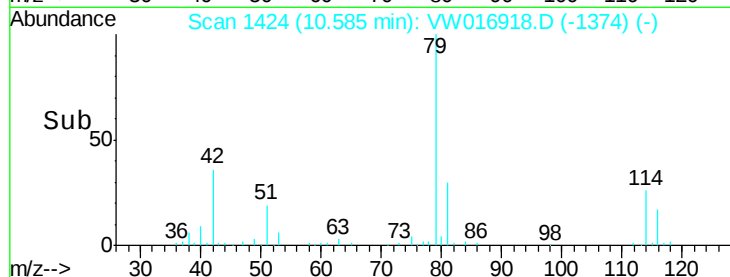
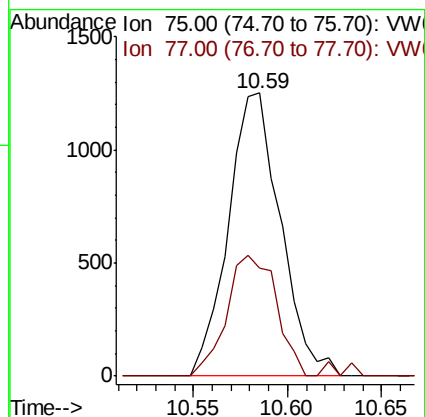
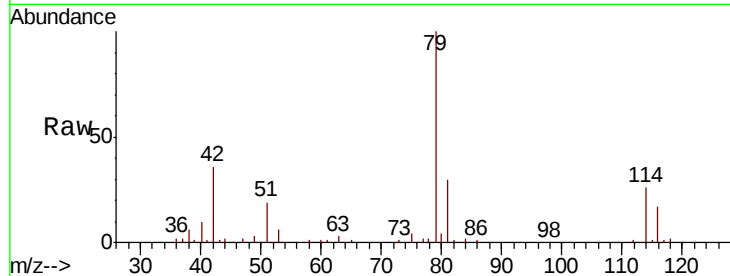
VIBLK13

Tot Ion: 75 Resp: 2404

Ion Ratio Lower Upper

75 100

77 38.0 22.2 41.2



#47

Tetrachloroethene

Concen: 0.737 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW016918.D

Acq: 15 Oct 2020 17:43

Tgt Ion: 164 Resp: 4228

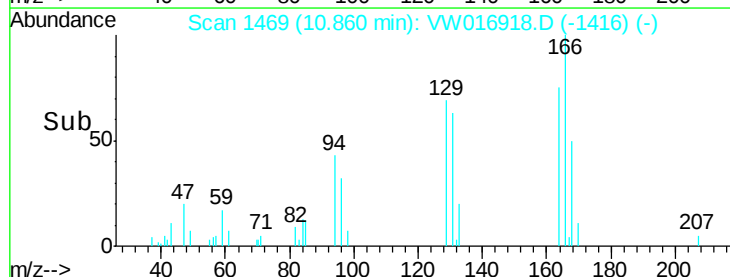
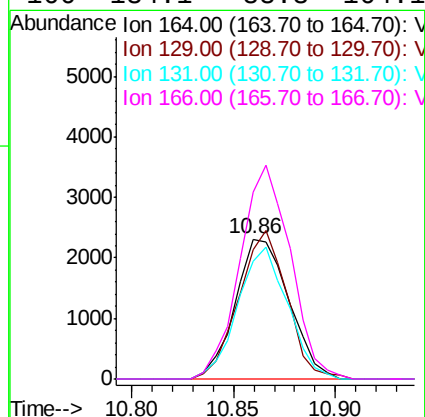
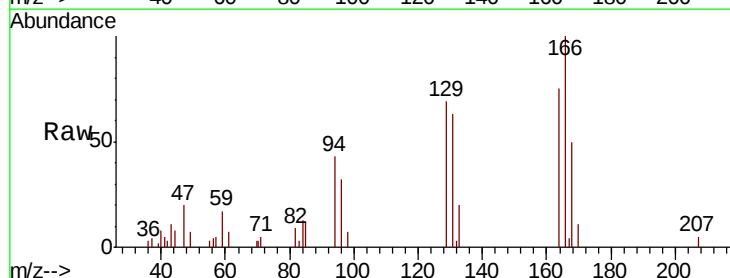
Ion Ratio Lower Upper

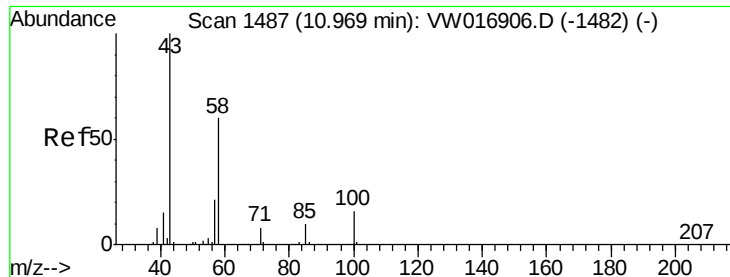
164 100

129 92.7 61.7 114.7

131 84.0 59.7 110.9

166 134.1 88.3 164.1

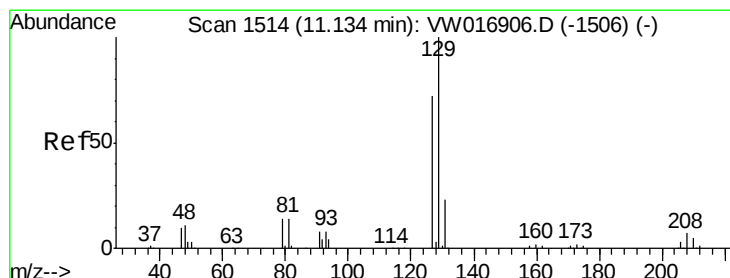
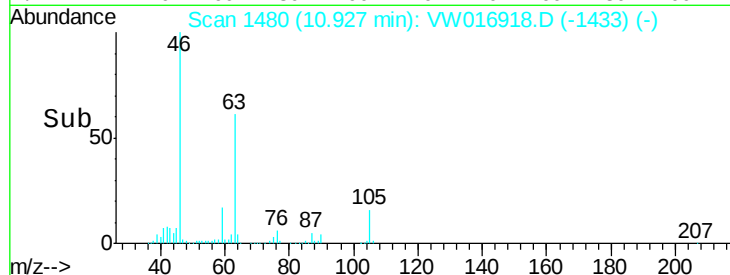
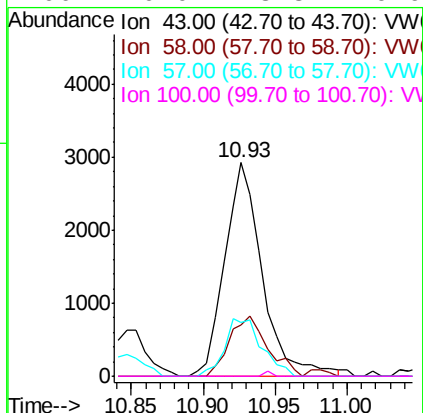
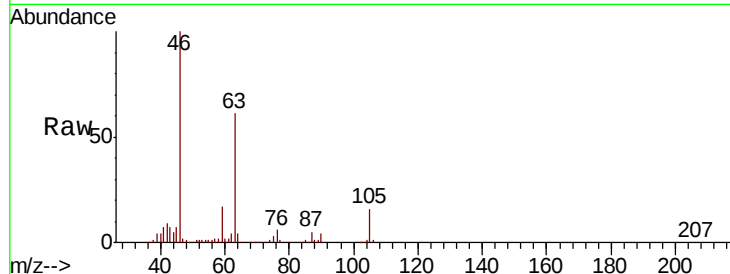




#49
2-Hexanone
Concen: 3.243 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW016918.D
Acq: 15 Oct 2020 17:43

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ClientSampleId :
VIBLK13

Tot Ion: 43 Resp: 5335
Ion Ratio Lower Upper
43 100
58 28.4 47.1 70.7#
57 26.6 16.2 24.4#
100 0.0 13.3 19.9#



#50
Dibromochloromethane
Concen: 0.806 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.27 min
Lab File: VW016918.D
Acq: 15 Oct 2020 17:43

Tgt Ion: 129 Resp: 4030
Ion Ratio Lower Upper
129 100
127 0.0 54.0 100.4#

