

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102020\
 Data File : VW016950.D
 Acq On : 20 Oct 2020 13:37
 Operator : SY/VA
 Sample : L4471-02RE
 Misc : 4.01G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 20 22:51:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 20 22:43:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	584846	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	525950	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	244223	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	113881	19.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.96%
7) Chloroethane-d5	2.90	69	104809	21.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.64%
10) 1,1-Dichloroethene-d2	4.02	63	179142	14.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.48%
20) 2-Butanone-d5	7.09	46	55175	42.22	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.44%
24) Chloroform-d	7.65	84	289973	23.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	8.31	65	137559	23.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.32%
29) Benzene-d6	8.28	84	564364	23.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.52%
33) 1,2-Dichloropropane-d6	9.28	67	160536	25.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.04%
37) Toluene-d8	10.33	98	515736	22.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.52%
38) trans-1,3-Dichloropropene-	10.58	79	56756	20.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.20%
39) 2-Hexanone-d5	10.93	63	47372	47.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	123176	23.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	199822	25.80	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.20%

Target Compounds

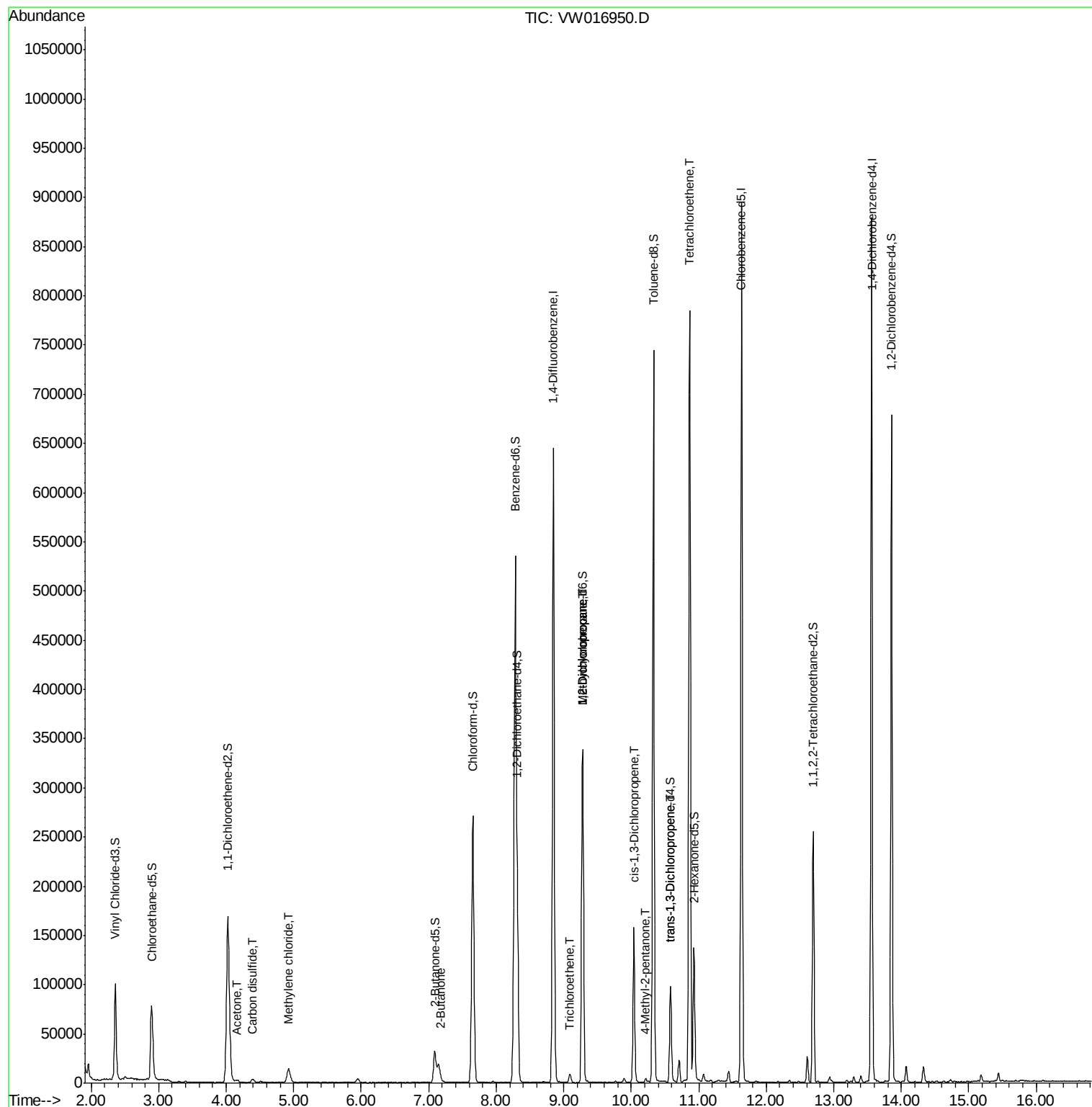
					Ovalue
13) Acetone	4.15	43	4147	4.193 ug/L	70
14) Carbon disulfide	4.39	76	5596	0.258 ug/L	96
16) Methylene chloride	4.93	84	13264	1.643 ug/L	93
21) 2-Butanone	7.18	43	1151	0.693 ug/L #	63
35) Trichloroethene	9.10	95	2521	0.316 ug/L	97
36) Methylcyclohexane	9.28	83	42149	3.138 ug/L #	22
40) 1,2-Dichloropropane	9.28	63	17184	2.691 ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	3725	0.366 ug/L #	41
43) 4-Methyl-2-pentanone	10.22	43	2615	0.813 ug/L	97
45) trans-1,3-Dichloropropene	10.58	75	2476	0.289 ug/L	85
47) Tetrachloroethene	10.87	164	192607	26.004 ug/L	96

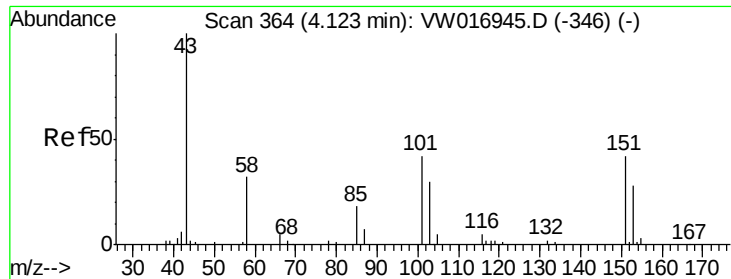
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 20 22:43:28 2020
Response via : Initial Calibration





#13

Acetone

Concen: 4.193 ug/L

RT: 4.15 min Scan# 369

Delta R.T. 0.03 min

Lab File: VW016950.D

Acq: 20 Oct 2020 13:37

Instrument :

MSVOA_W

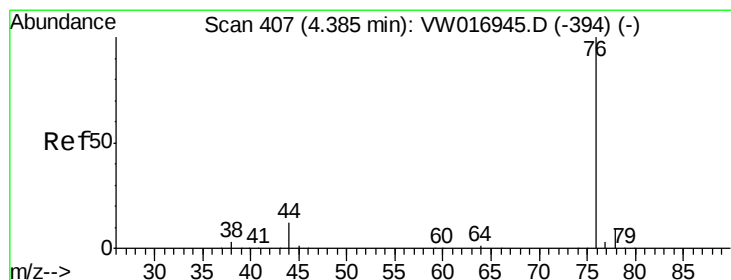
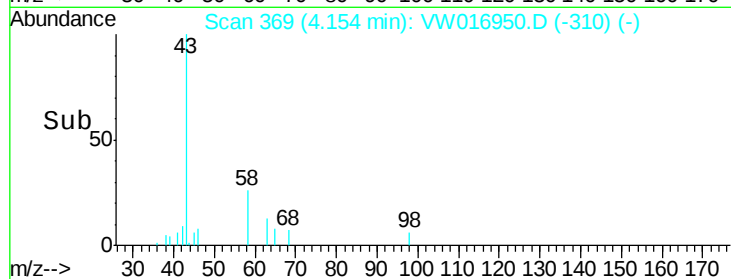
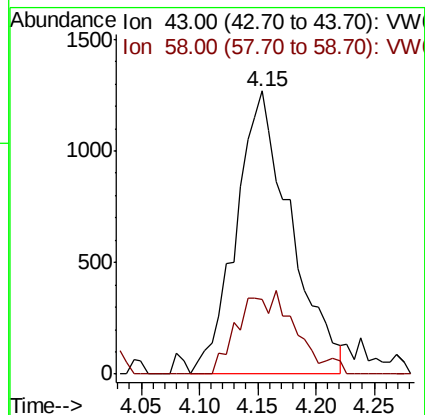
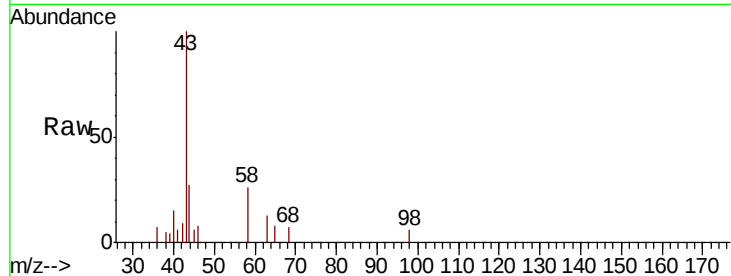
ClientSampled :

Tot Ion: 43 Resp: 4147

Ion Ratio Lower Upper

43 100

58 16.7 0.0 67.6



#14

Carbon disulfide

Concen: 0.258 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW016950.D

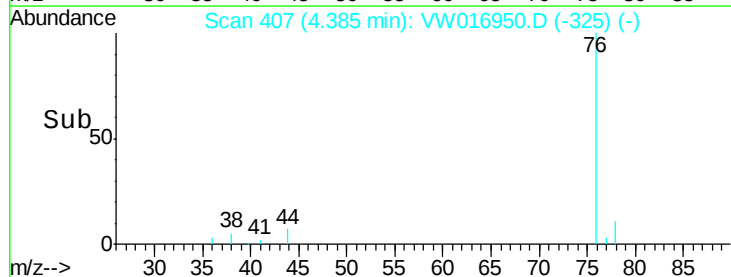
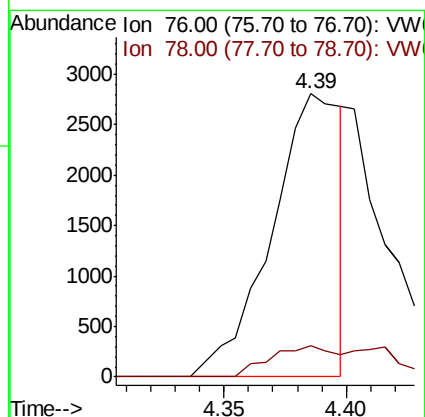
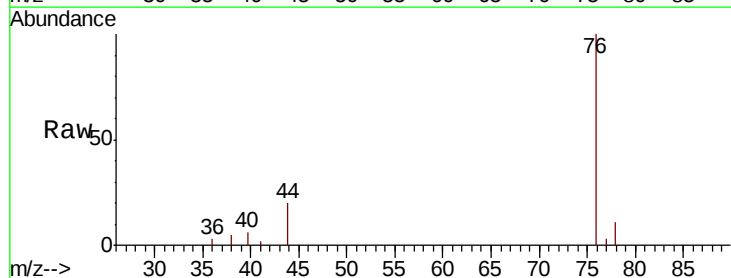
Acq: 20 Oct 2020 13:37

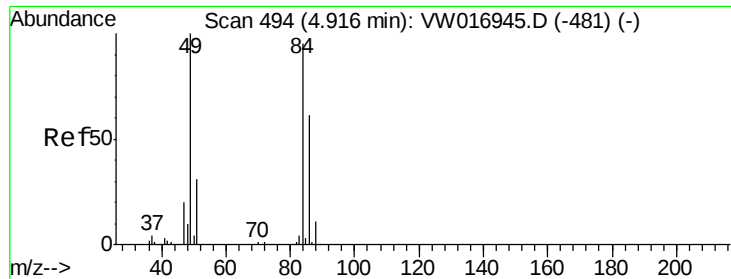
Tgt Ion: 76 Resp: 5596

Ion Ratio Lower Upper

76 100

78 10.8 7.4 11.0

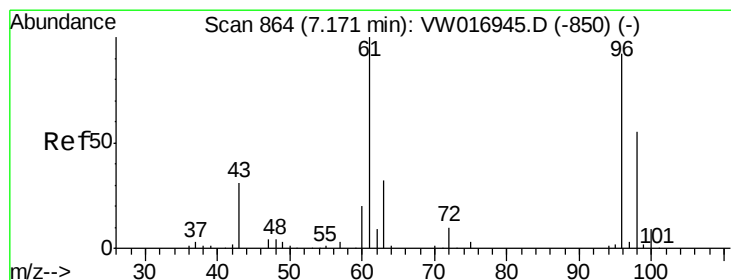
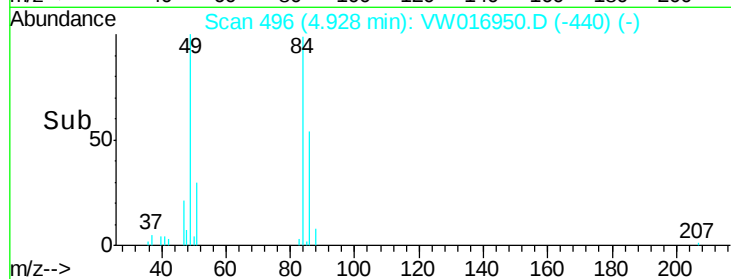
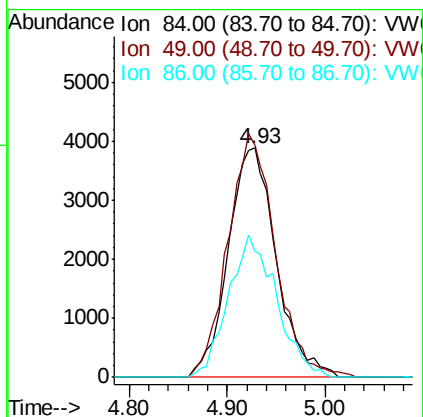
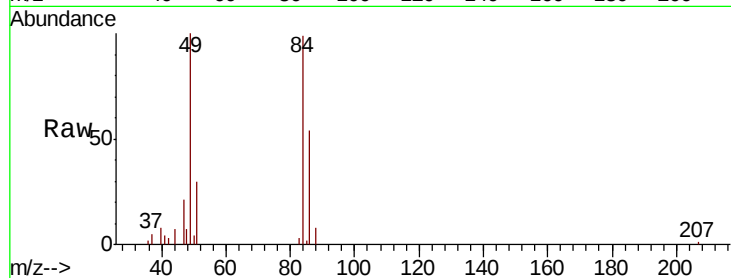




#16
Methylene chloride
Concen: 1.643 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016950.D
Acq: 20 Oct 2020 13:37

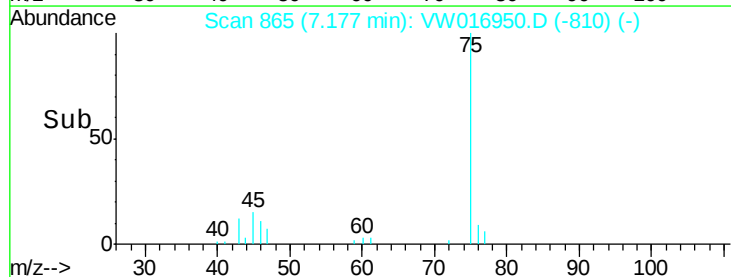
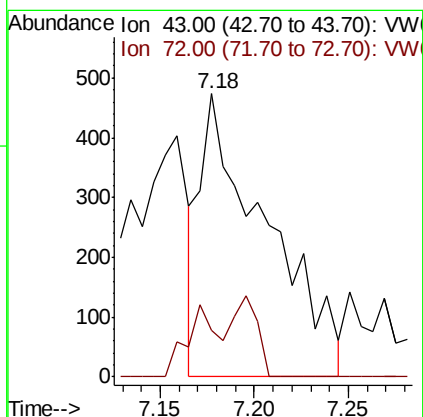
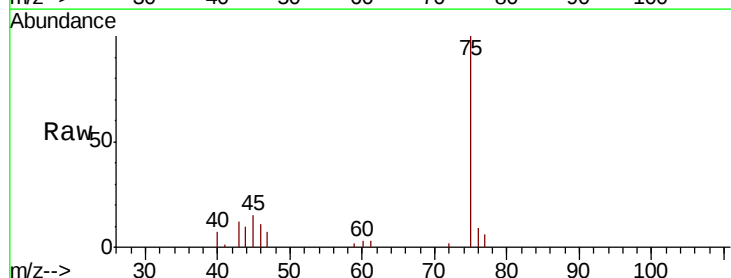
Instrument :
MSVOA_W
ClientSampled :

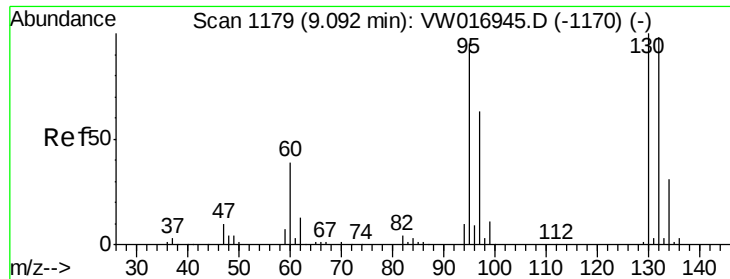
Tot Ion: 84 Resp: 13264
Ion Ratio Lower Upper
84 100
49 101.3 73.1 135.8
86 55.1 46.0 85.4



#21
2-Butanone
Concen: 0.693 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW016950.D
Acq: 20 Oct 2020 13:37

Tgt Ion: 43 Resp: 1151
Ion Ratio Lower Upper
43 100
72 11.7 16.2 48.5#





#35

Trichloroethene

Concen: 0.316 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW016950.D

Acq: 20 Oct 2020 13:37

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 2521

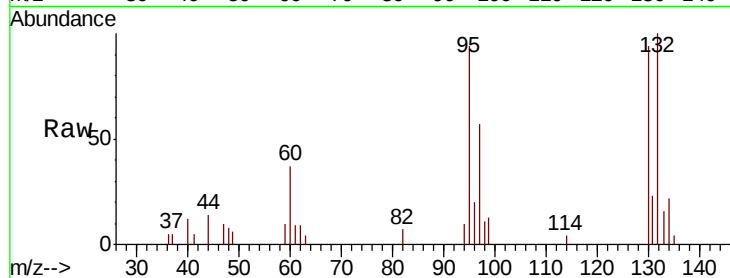
Ion Ratio Lower Upper

95 100

97 67.7 44.7 83.1

132 102.4 73.8 137.2

130 111.5 77.1 143.3

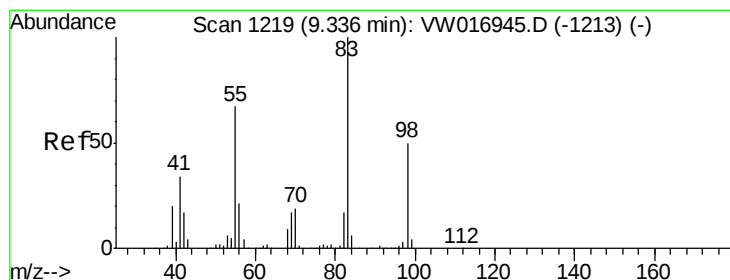
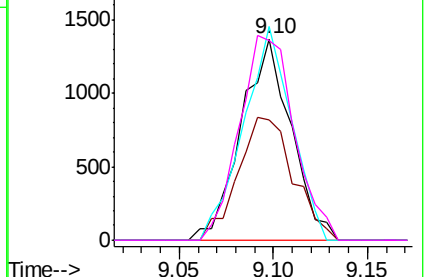
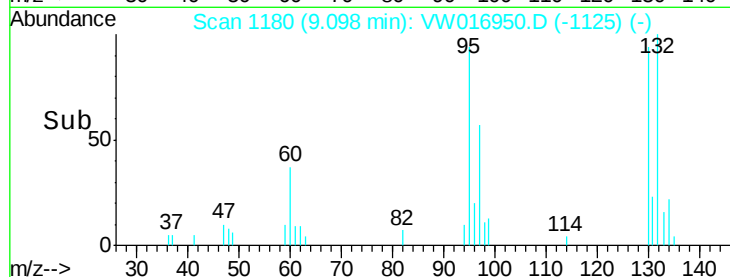


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 3.138 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.05 min

Lab File: VW016950.D

Acq: 20 Oct 2020 13:37

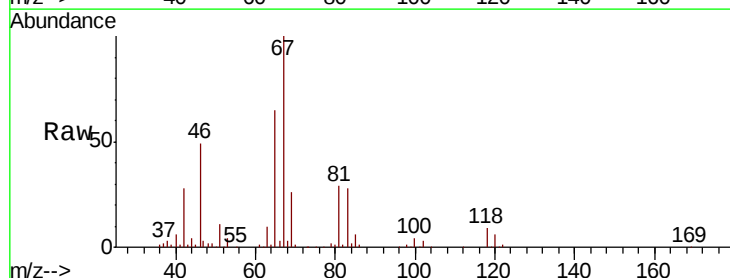
Tgt Ion: 83 Resp: 42149

Ion Ratio Lower Upper

83 100

55 0.6 54.2 81.4#

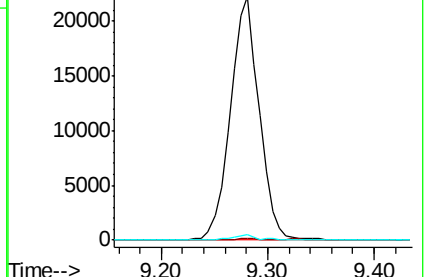
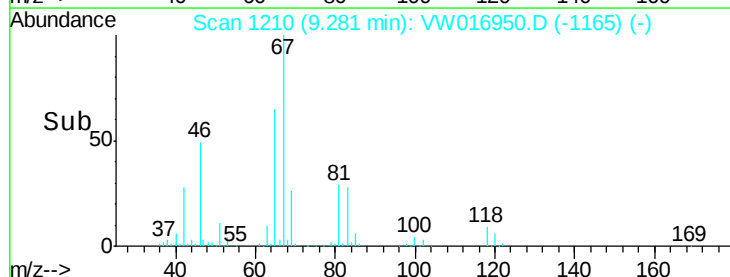
98 1.4 41.4 62.2#

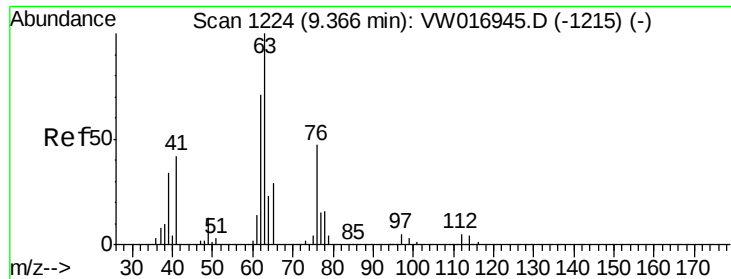


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

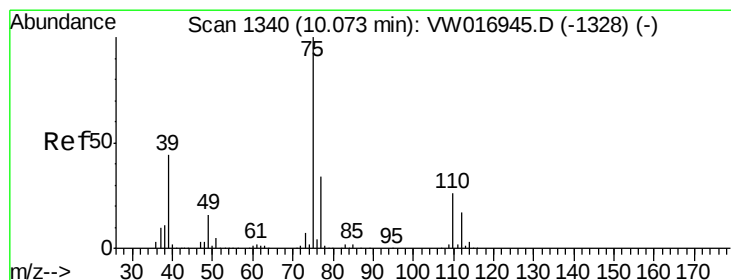
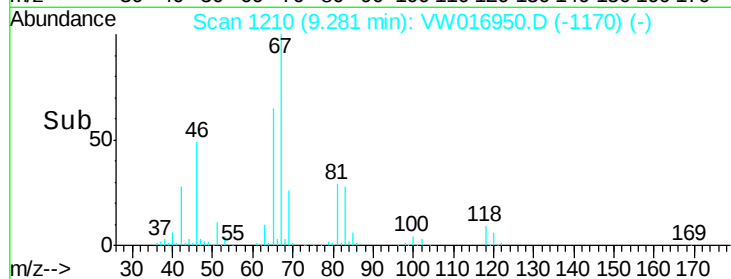
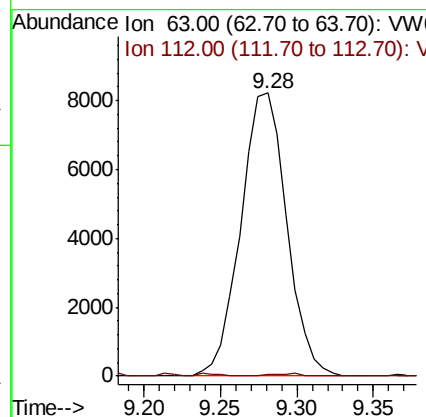
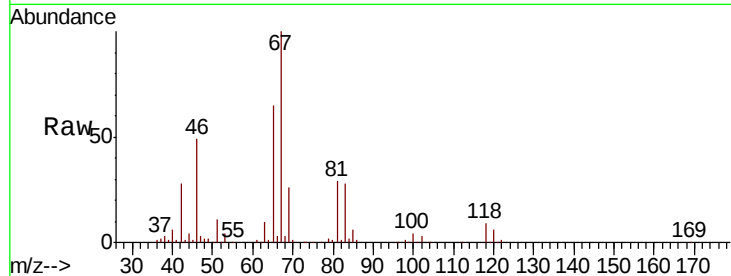




#40
 1,2-Dichloropropane
 Concen: 2.691 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.09 min
 Lab File: VW016950.D
 Acq: 20 Oct 2020 13:37

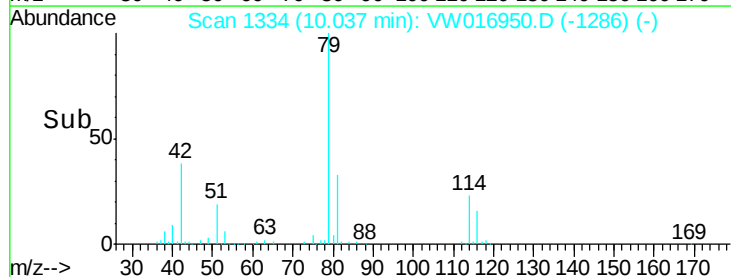
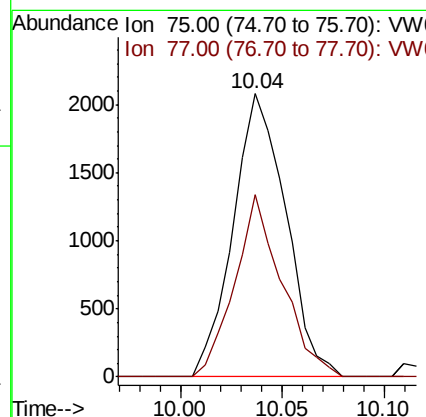
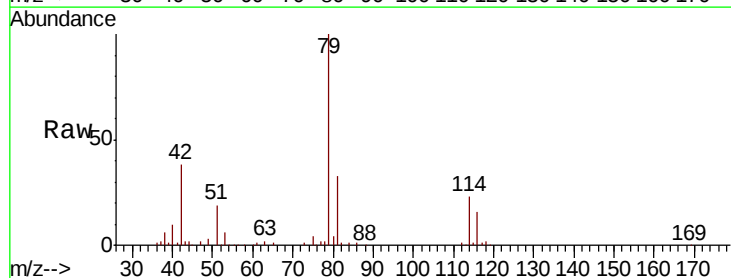
Instrument :
 MSVOA_W
 ClientSampleId :

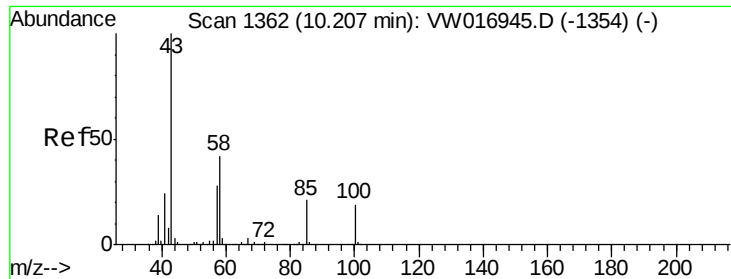
Tot Ion: 63 Resp: 17184
 Ion Ratio Lower Upper
 63 100
 112 0.3 4.5 6.7#



#42
 cis-1,3-Dichloropropene
 Concen: 0.366 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW016950.D
 Acq: 20 Oct 2020 13:37

Tgt Ion: 75 Resp: 3725
 Ion Ratio Lower Upper
 75 100
 77 64.3 22.1 41.1#

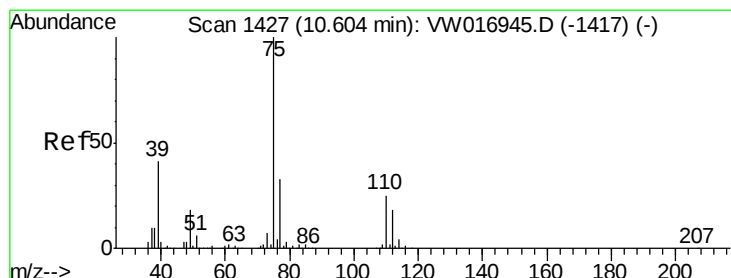
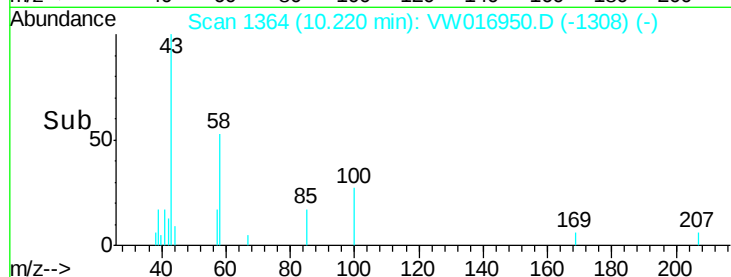
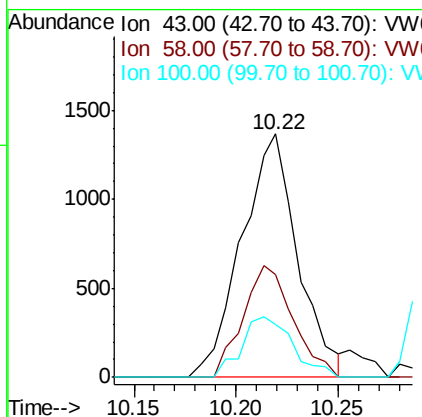
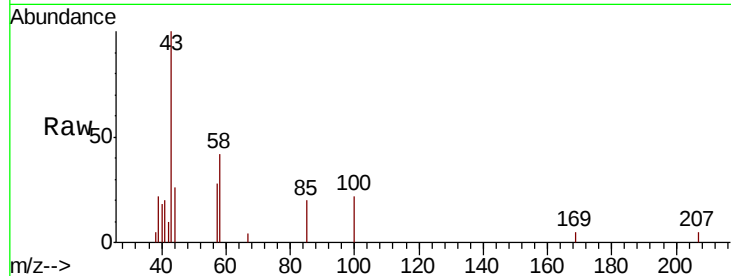




#43
4-Methyl-2-pentanone
Concen: 0.813 ug/L
RT: 10.22 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VW016950.D
Acq: 20 Oct 2020 13:37

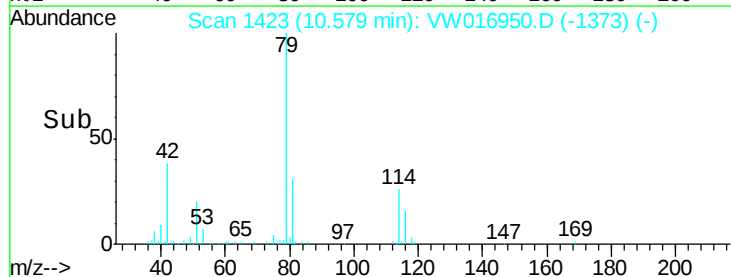
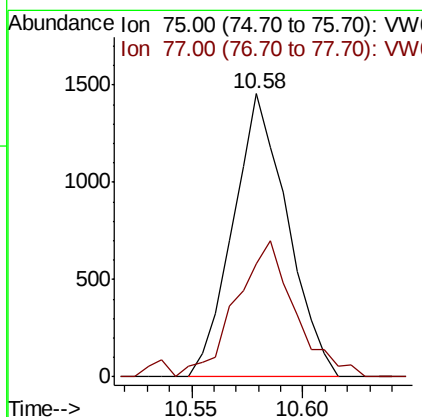
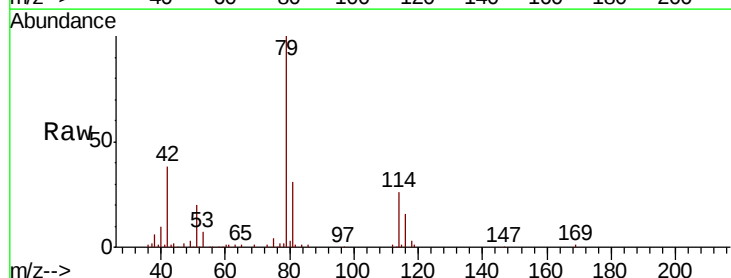
Instrument :
MSVOA_W
ClientSampleId :

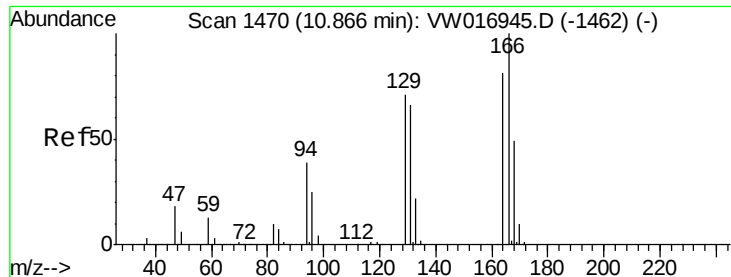
Tot Ion: 43 Resp: 2615
Ion Ratio Lower Upper
43 100
58 40.9 34.7 52.1
100 21.8 16.9 25.3



#45
trans-1,3-Dichloropropene
Concen: 0.289 ug/L
RT: 10.58 min Scan# 1423
Delta R.T. -0.02 min
Lab File: VW016950.D
Acq: 20 Oct 2020 13:37

Tgt Ion: 75 Resp: 2476
Ion Ratio Lower Upper
75 100
77 39.9 22.2 41.2

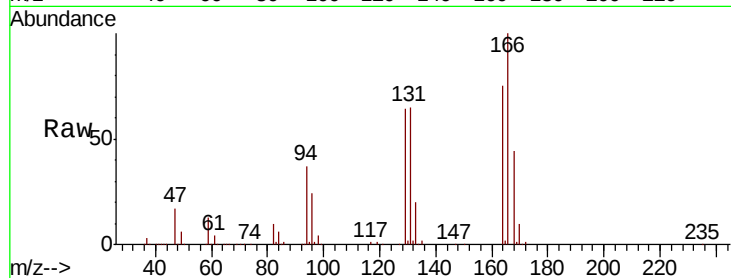




#47
Tetrachloroethene
Concen: 26.004 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW016950.D
Acq: 20 Oct 2020 13:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
129	84.8	61.7	114.7
131	86.0	59.7	110.9
166	132.6	88.3	164.1



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

