

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102020\
 Data File : VW016947.D
 Acq On : 20 Oct 2020 11:51
 Operator : SY/VA
 Sample : L4471-01
 Misc : 5.55G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 20 22:50:40 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	8.84	114	597385	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	512331	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	250092	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	122088	20.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.88%
7) Chloroethane-d5	2.89	69	111575	22.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.28%
10) 1,1-Dichloroethene-d2	4.02	63	196943	15.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.96%
20) 2-Butanone-d5	7.09	46	61273	45.90	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.80%
24) Chloroform-d	7.65	84	307141	24.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.48%
26) 1,2-Dichloroethane-d4	8.31	65	150337	24.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.76%
29) Benzene-d6	8.27	84	601707	25.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.44%
33) 1,2-Dichloropropane-d6	9.27	67	172150	27.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.12%
37) Toluene-d8	10.32	98	556013	25.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.28%
38) trans-1,3-Dichloropropene-	10.58	79	68170	24.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.88%
39) 2-Hexanone-d5	10.93	63	50795	52.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	130933	25.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.68%
61) 1,2-Dichlorobenzene-d4	13.86	152	211597	26.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.68%

Target Compounds

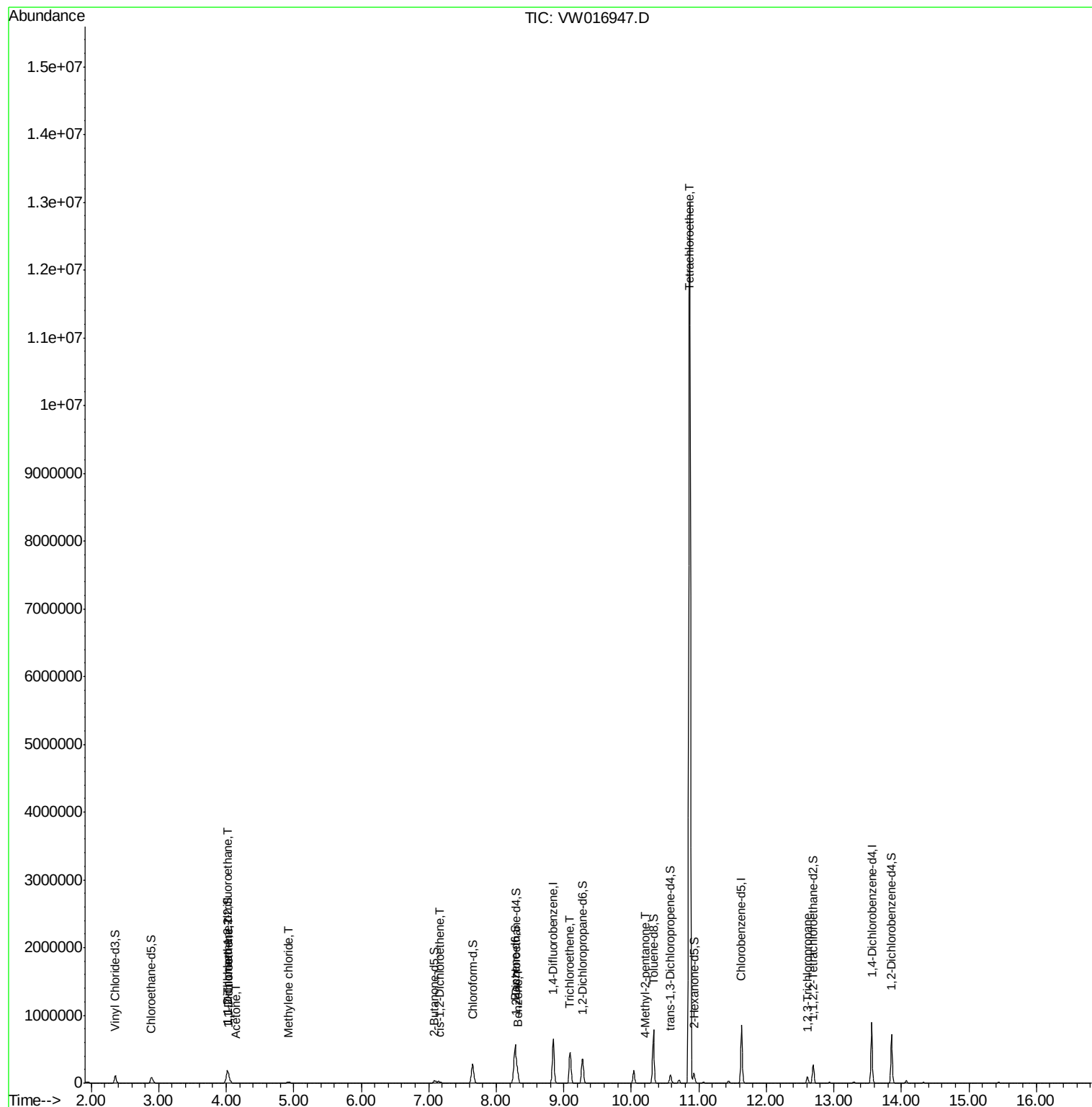
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	2169	0.270	ug/L #	19
12) 1,1-Dichloroethene	4.04	96	3726	0.482	ug/L #	1
13) Acetone	4.14	43	1784	1.766	ug/L	68
16) Methylene chloride	4.92	84	7464	0.905	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	2719	0.330	ug/L	91
34) Benzene	8.32	78	10144	0.369	ug/L	100
35) Trichloroethene	9.09	95	158071	20.311	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	3483	1.112	ug/L	99
47) Tetrachloroethene	10.87	164	3248555	450.247	ug/L	94
59) 1,2,3-Trichloropropane	12.62	75	1091	0.269	ug/L	90

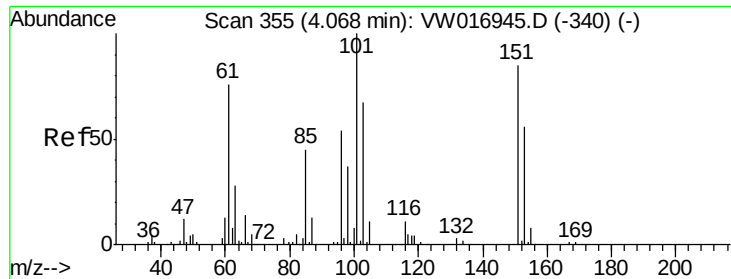
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Oct 20 22:43:28 2020
Response via : Initial Calibration





#11

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

Concen: 0.270 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW016947.D

Acq: 20 Oct 2020 11:51

Instrument :

MSVOA_W

ClientSampleId :

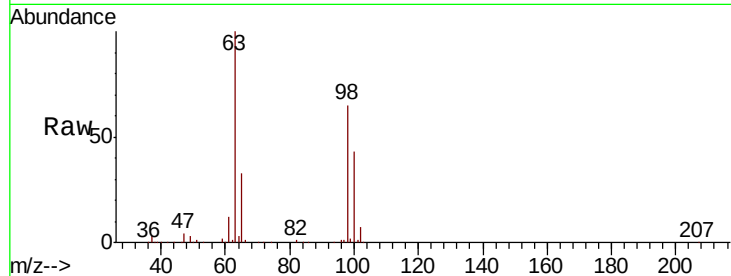
Tot Ion:101 Resp: 2169

Ion Ratio Lower Upper

101 100

85 0.0 31.7 47.5#

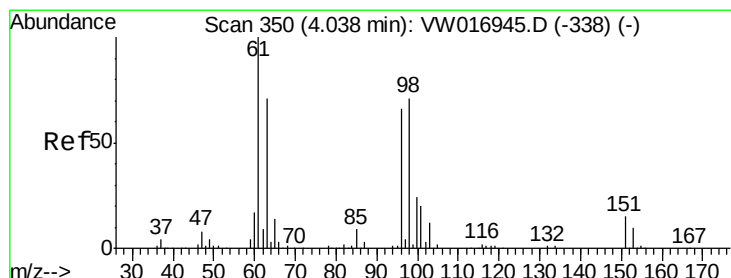
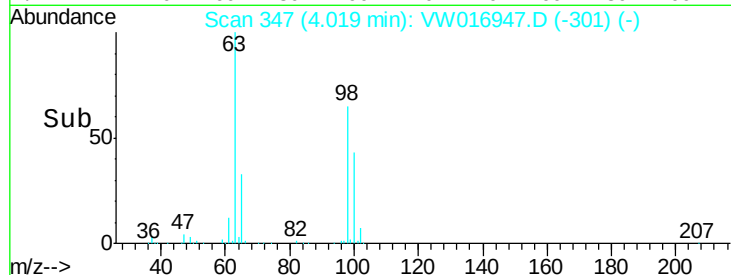
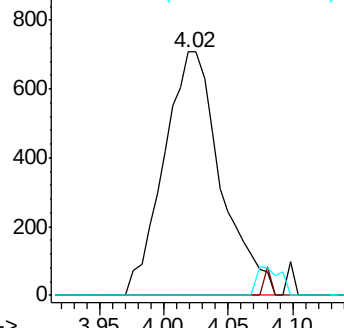
151 3.7 66.6 99.8#



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



#12

1,1-Dichloroethene

Concen: 0.482 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW016947.D

Acq: 20 Oct 2020 11:51

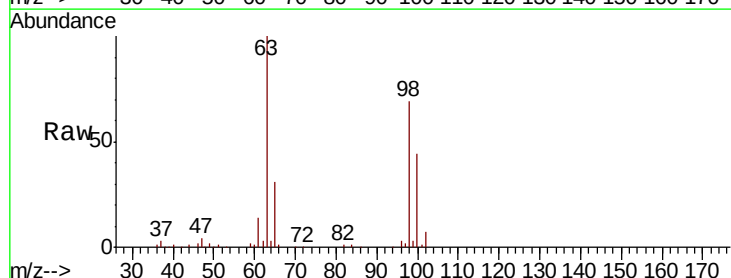
Tgt Ion: 96 Resp: 3726

Ion Ratio Lower Upper

96 100

61 542.4 105.1 195.1#

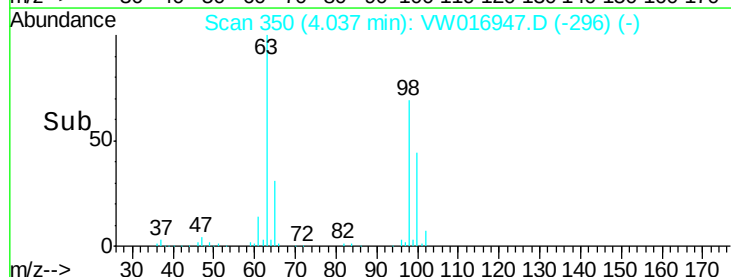
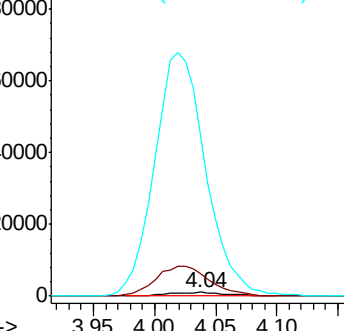
63 3867.6 69.9 129.7#

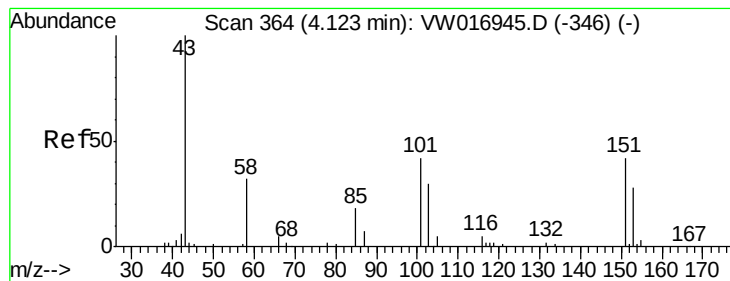


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 1.766 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW016947.D

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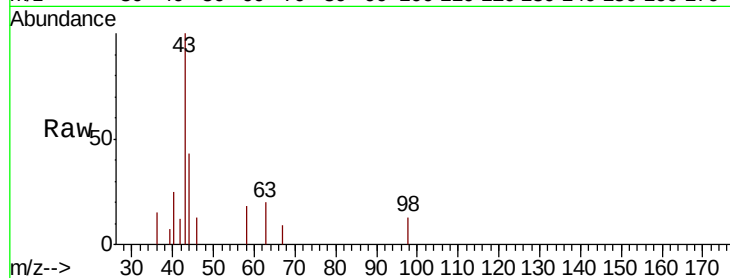
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1784

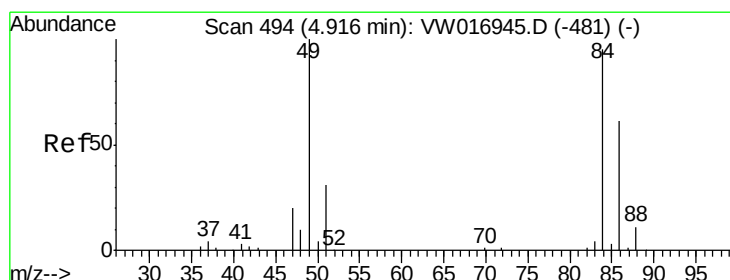
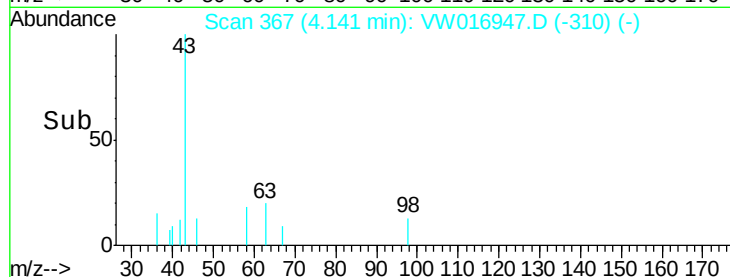
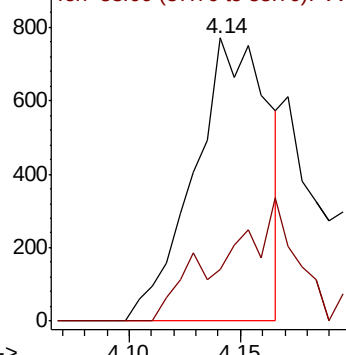
Ion Ratio Lower Upper

43 100

58 15.7 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 0.905 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW016947.D

Acq: 20 Oct 2020 11:51

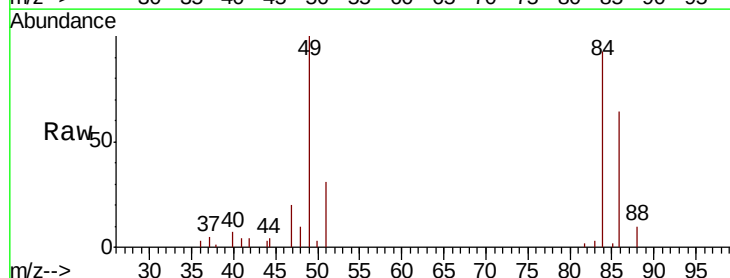
Tgt Ion: 84 Resp: 7464

Ion Ratio Lower Upper

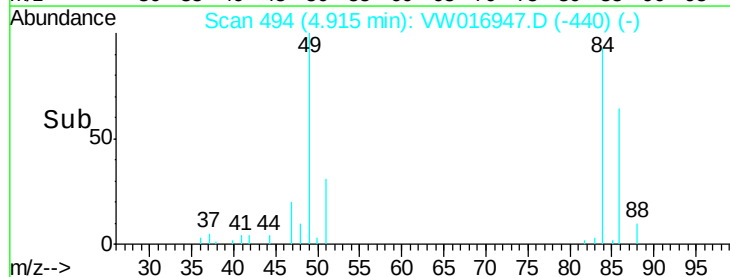
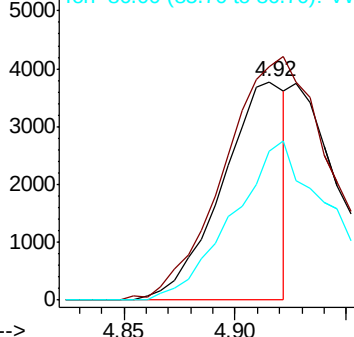
84 100

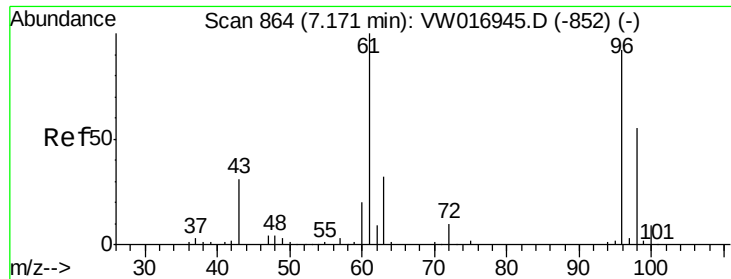
49 107.0 73.1 135.8

86 68.4 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

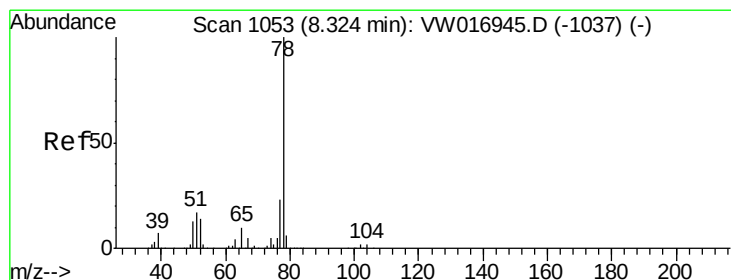
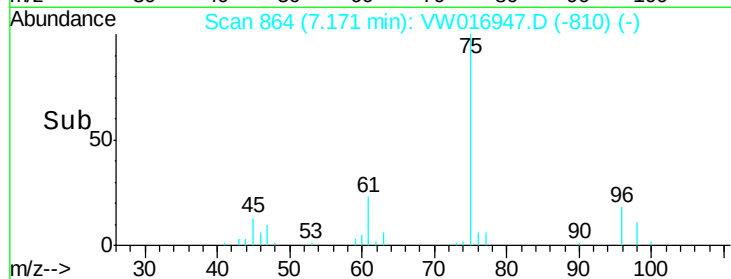
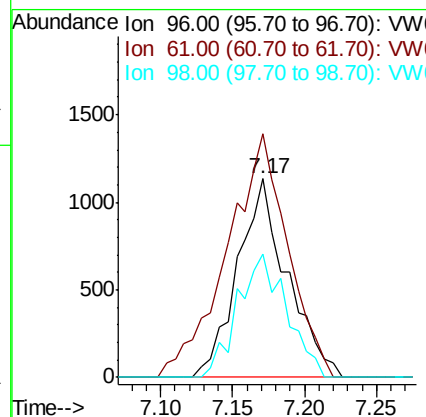
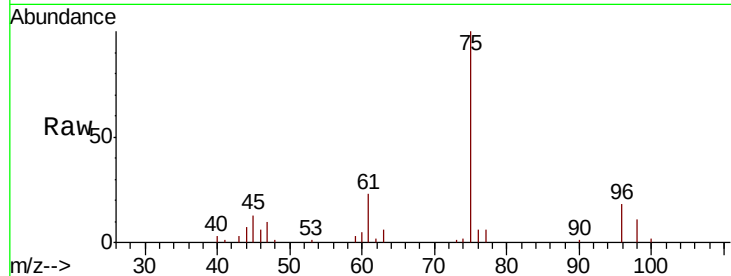




#22
 cis-1,2-Dichloroethene
 Concen: 0.330 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016947.D
 Acq: 20 Oct 2020 11:51

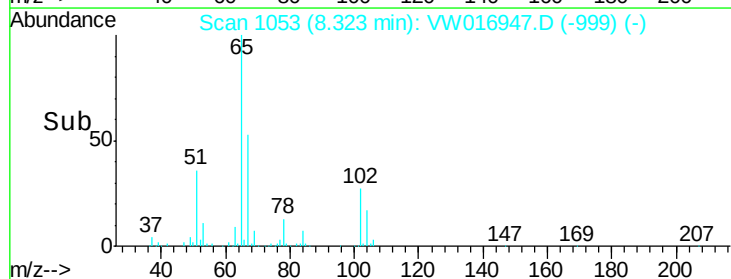
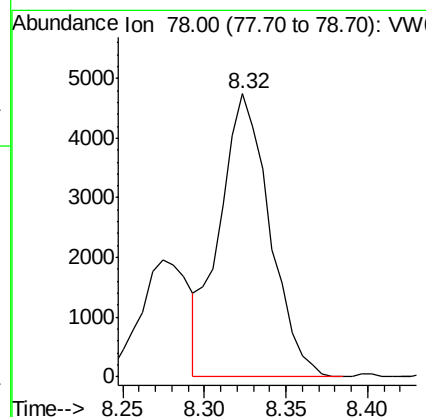
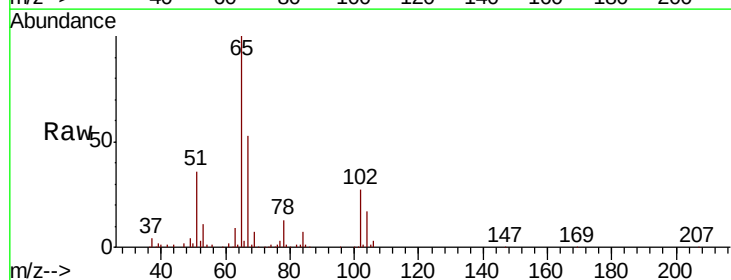
Instrument :
 MSVOA_W
 ClientSampleId :

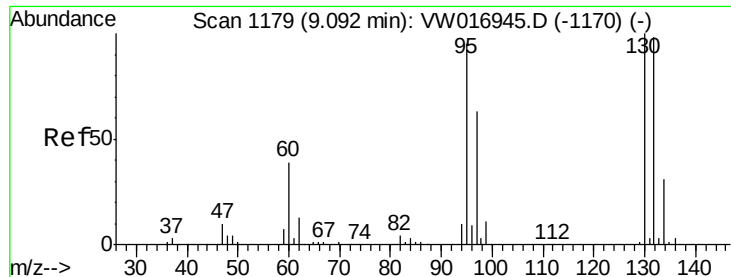
Tot Ion: 96 Resp: 2719
 Ion Ratio Lower Upper
 96 100
 61 122.9 76.0 141.2
 98 62.5 42.7 79.3



#34
 Benzene
 Concen: 0.369 ug/L
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VW016947.D
 Acq: 20 Oct 2020 11:51

Tgt Ion: 78 Resp: 10144

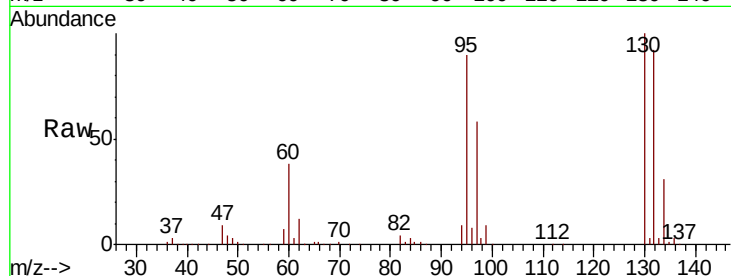




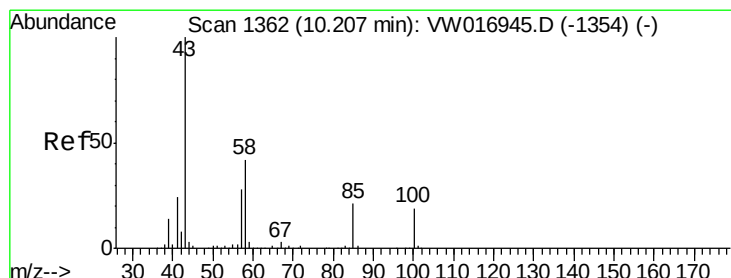
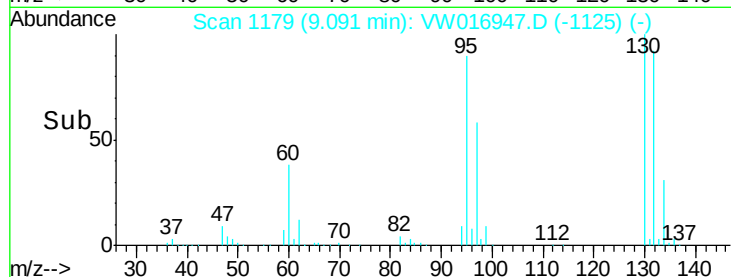
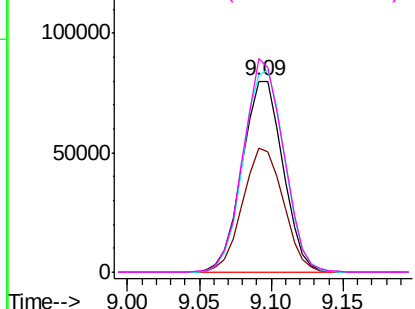
#35
 Trichloroethene
 Concen: 20.311 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW016947.D
 Acq: 20 Oct 2020 11:51

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 158071
 Ion Ratio Lower Upper
 95 100
 97 64.9 44.7 83.1
 132 106.8 73.8 137.2
 130 109.4 77.1 143.3

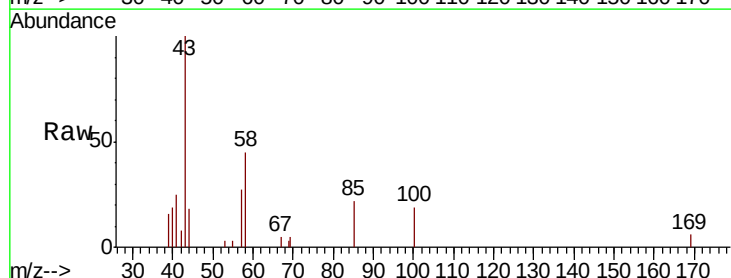


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

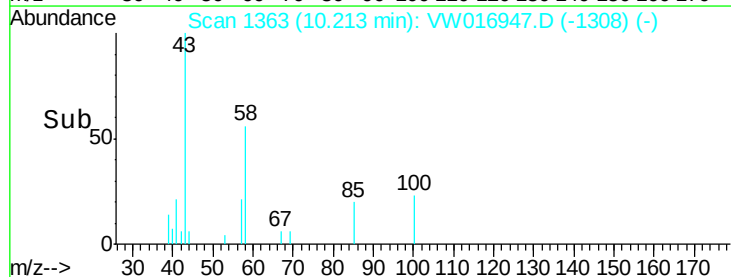
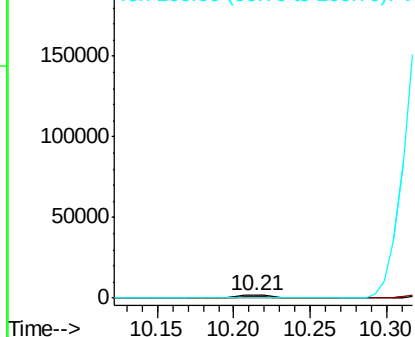


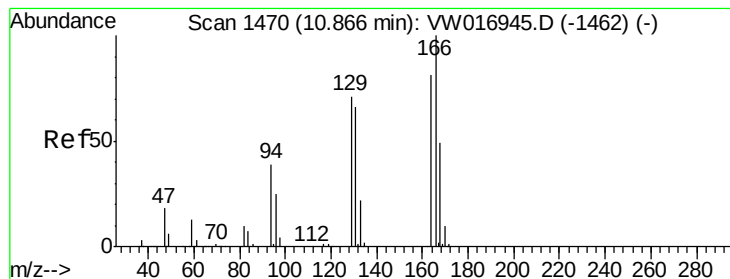
#43
 4-Methyl-2-pentanone
 Concen: 1.112 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW016947.D
 Acq: 20 Oct 2020 11:51

Tgt Ion: 43 Resp: 3483
 Ion Ratio Lower Upper
 43 100
 58 43.6 34.7 52.1
 100 20.3 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW
 Ion 100.00 (99.70 to 100.70): V





#47

Tetrachloroethene

Concen: 450.247 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016947.D

Acq: 20 Oct 2020 11:51

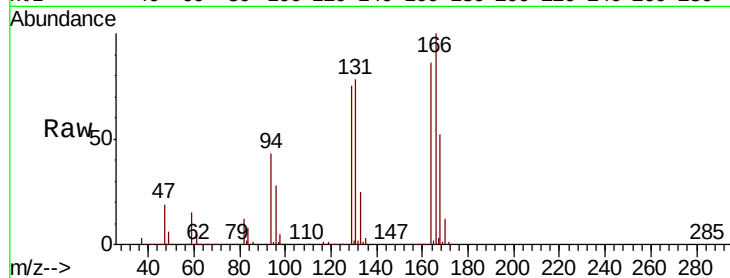
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 3248555

Ion	Ratio	Lower	Upper
164	100		
129	87.7	61.7	114.7
131	90.8	59.7	110.9
166	116.2	88.3	164.1

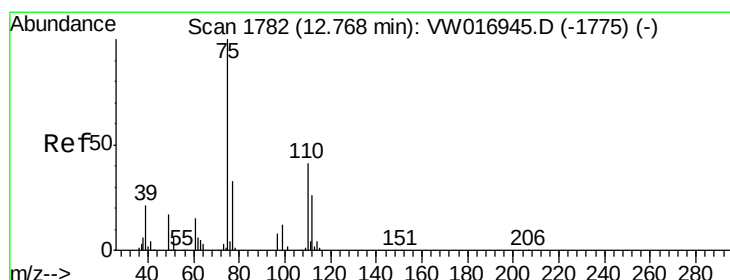
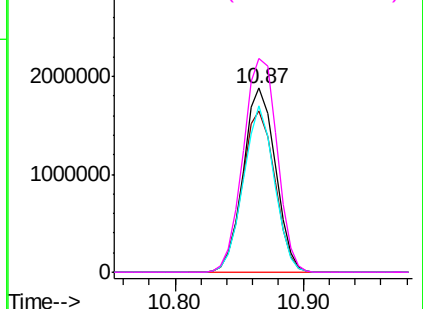
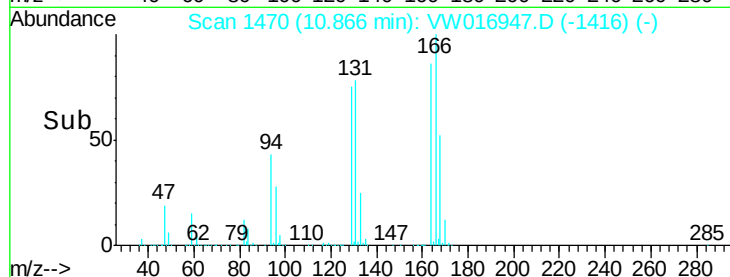


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 0.269 ug/L

RT: 12.62 min Scan# 1757

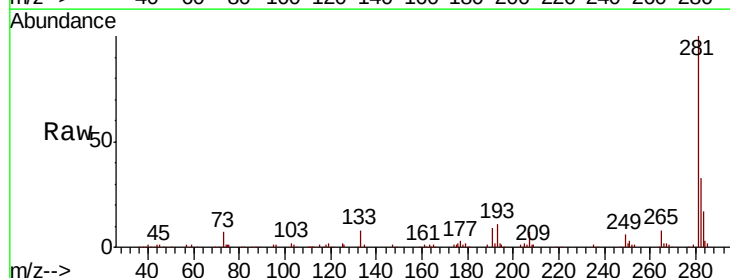
Delta R.T. -0.15 min

Lab File: VW016947.D

Acq: 20 Oct 2020 11:51

Tgt Ion: 75 Resp: 1091

Ion	Ratio	Lower	Upper
75	100		
77	26.9	26.2	39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

