

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092820\
 Data File : VW016666.D
 Acq On : 28 Sep 2020 13:49
 Operator : SY/VA
 Sample : L4171-06
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3Y8

Quant Time: Sep 29 05:28:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 29 05:26:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	727757	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	642600	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	300469	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	147923	21.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.00%
7) Chloroethane-d5	2.90	69	136478	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.92%
10) 1,1-Dichloroethene-d2	4.03	63	251509	15.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.88%
20) 2-Butanone-d5	7.09	46	82371	42.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.78%
24) Chloroform-d	7.65	84	381078	25.03	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.12%
26) 1,2-Dichloroethane-d4	8.31	65	194990	24.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.80%
29) Benzene-d6	8.28	84	740564	25.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.80%
33) 1,2-Dichloropropane-d6	9.28	67	209648	26.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.36%
37) Toluene-d8	10.33	98	712034	25.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.44%
38) trans-1,3-Dichloropropene-	10.58	79	91381	23.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.84%
39) 2-Hexanone-d5	10.93	63	67311	47.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	155872	23.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	244130	25.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.72%

Target Compounds

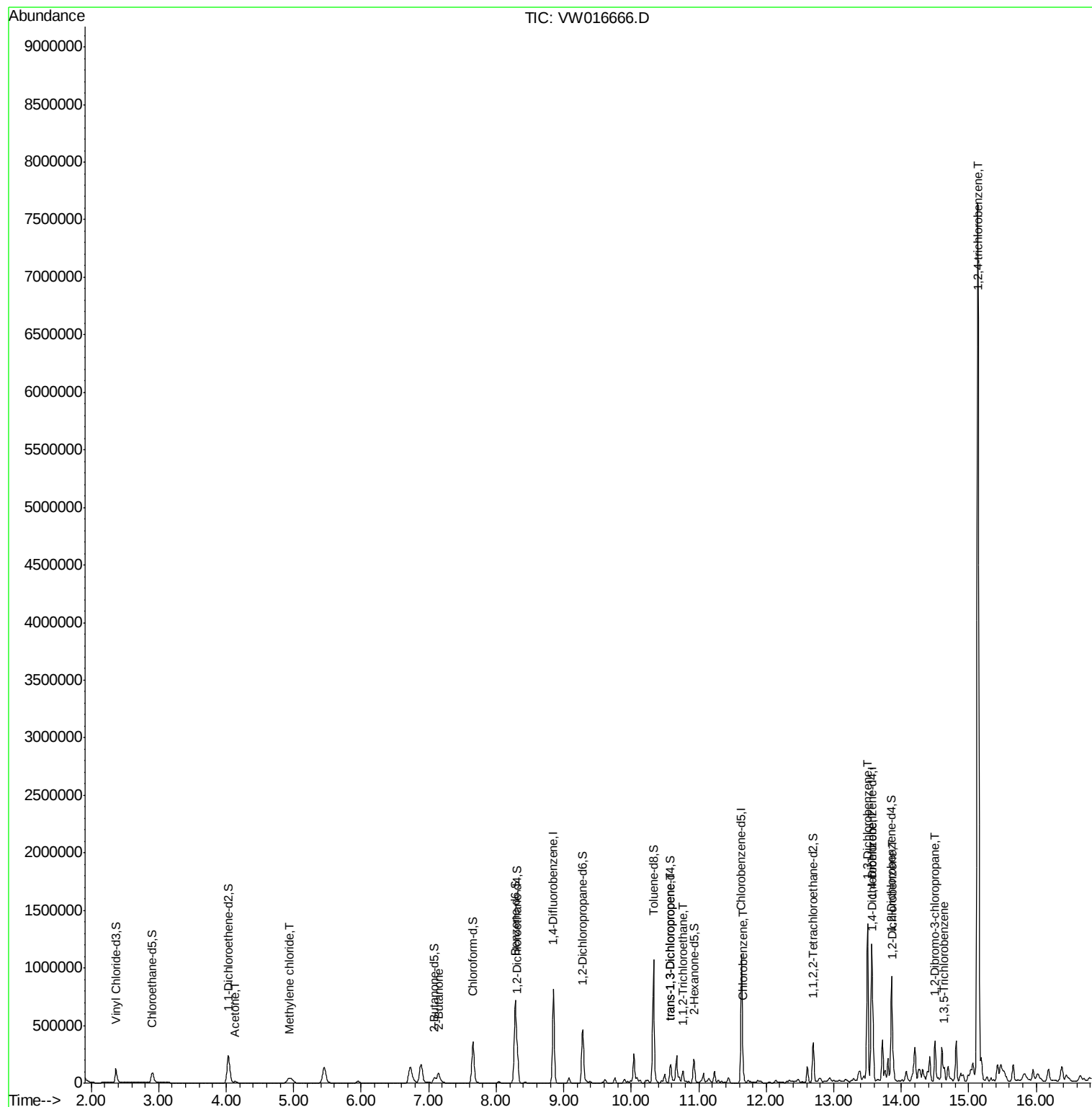
					Ovalue
13) Acetone	4.14	43	20415	13.570 ug/L	98
16) Methylene chloride	4.93	84	21514	1.917 ug/L	95
21) 2-Butanone	7.16	43	4590	1.793 ug/L #	60
45) trans-1,3-Dichloropropene	10.58	75	4567	0.384 ug/L	94
46) 1,1,2-Trichloroethane	10.76	97	43842	6.496 ug/L #	22
52) Chlorobenzene	11.66	112	37781	1.452 ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	577942	29.572 ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	219952	11.492 ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	34173	1.957 ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.50	75	1315	1.051 ug/L #	1
67) 1,3,5-Trichlorobenzene	14.63	180	25254	1.767 ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	2545638	220.164 ug/L	98

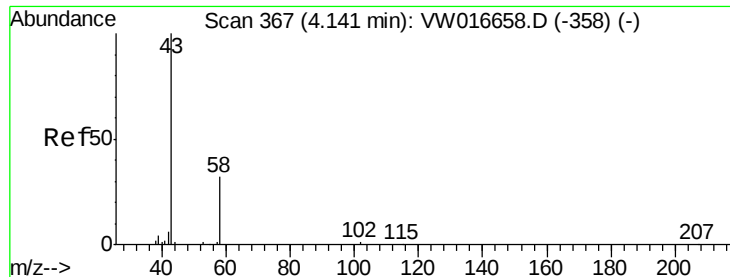
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 13.570 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW016666.D

Acq: 28 Sep 2020 13:49

Instrument :

MSVOA_W

ClientSampleId :

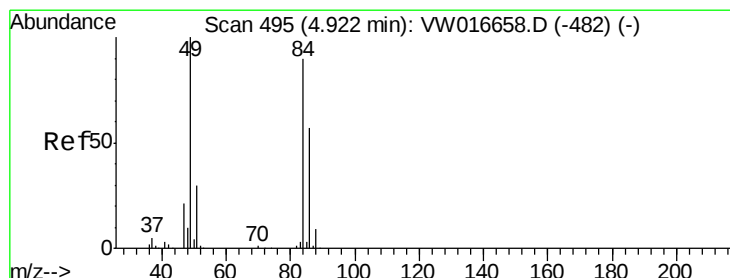
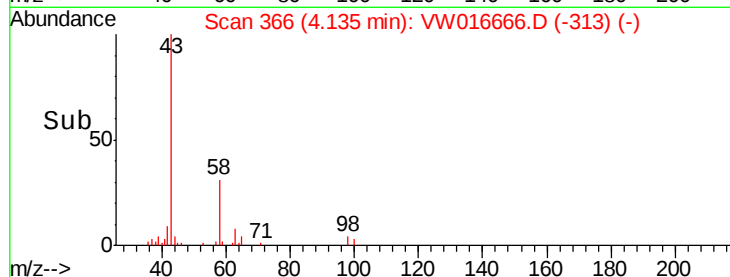
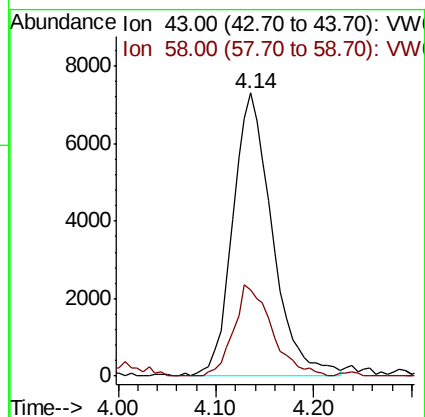
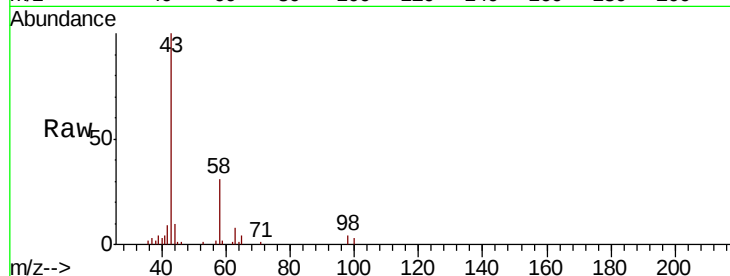
BG3Y8

Tot Ion: 43 Resp: 20415

Ion Ratio Lower Upper

43 100

58 31.2 0.0 60.2



#16

Methylene chloride

Concen: 1.917 ug/L

RT: 4.93 min Scan# 497

Delta R.T. 0.01 min

Lab File: VW016666.D

Acq: 28 Sep 2020 13:49

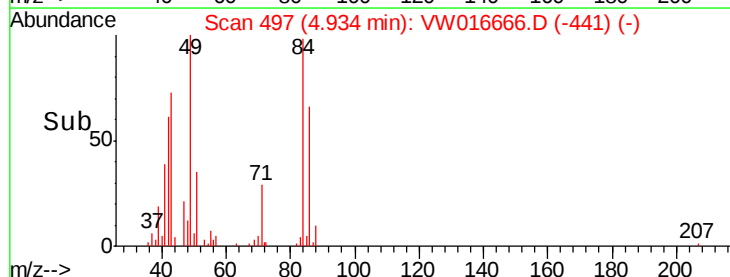
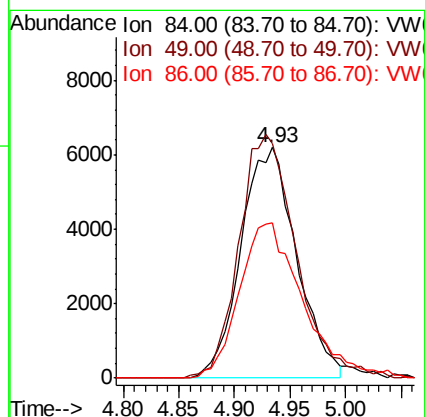
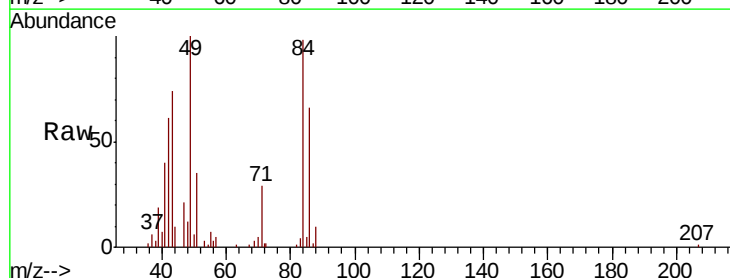
Tgt Ion: 84 Resp: 21514

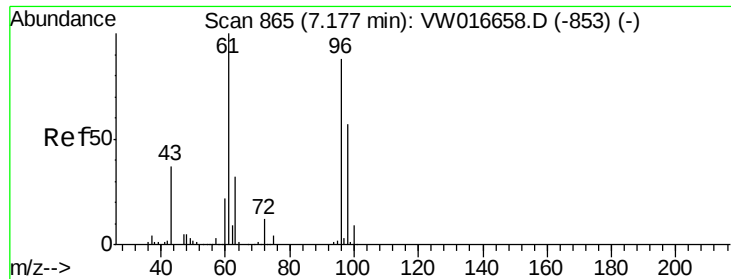
Ion Ratio Lower Upper

84 100

49 102.2 76.0 141.2

86 67.6 45.6 84.6





#21

2-Butanone

Concen: 1.793 ug/L

RT: 7.16 min Scan# 862

Delta R.T. -0.02 min

Lab File: VW016666.D

Acq: 28 Sep 2020 13:49

Instrument :

MSVOA_W

ClientSampleId :

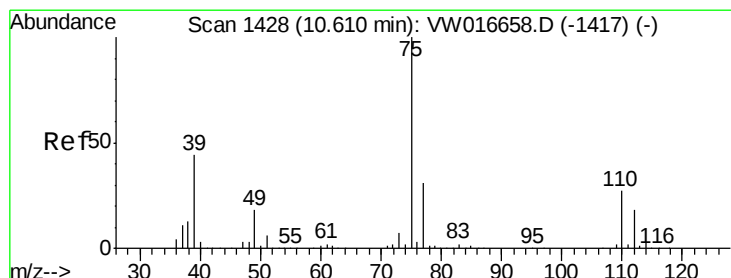
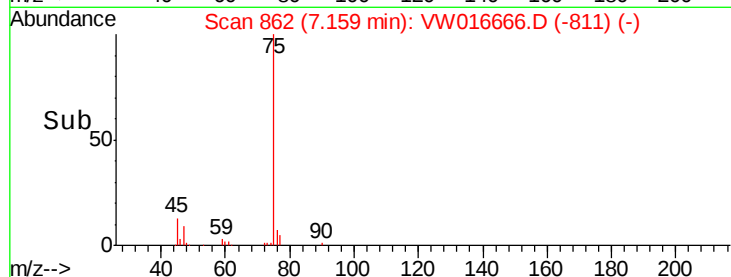
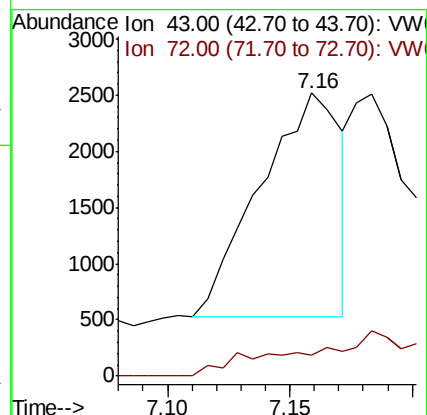
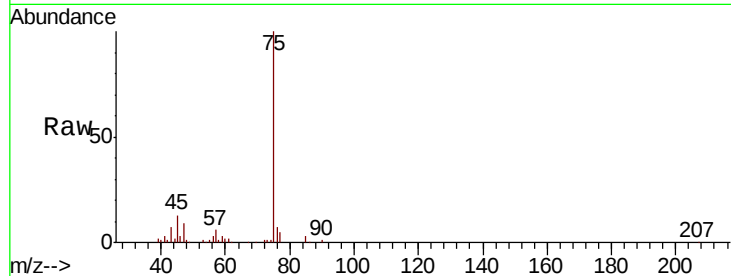
BG3Y8

Tot Ion: 43 Resp: 4590

Ion Ratio Lower Upper

43 100

72 8.0 14.6 43.8#



#45

trans-1,3-Dichloropropene

Concen: 0.384 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016666.D

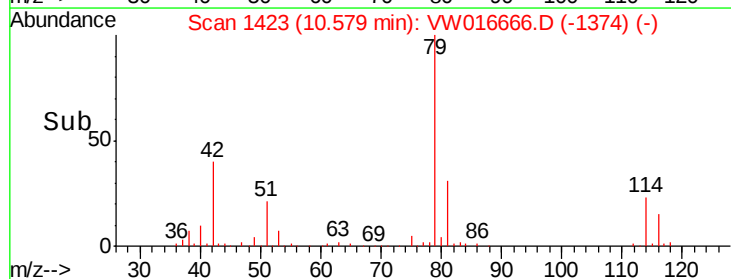
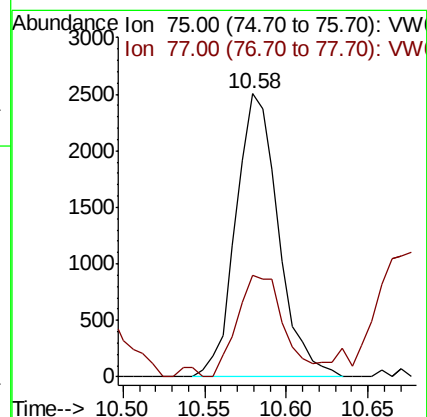
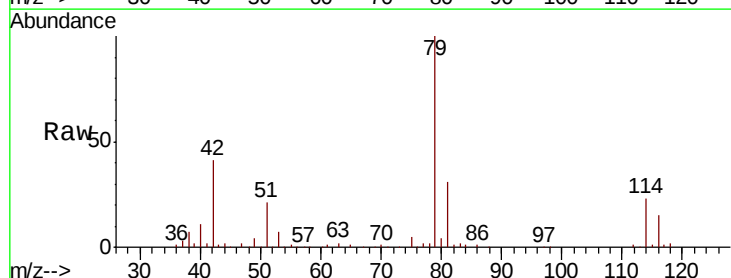
Acq: 28 Sep 2020 13:49

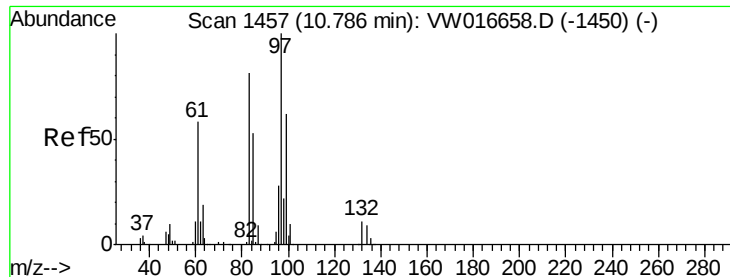
Tgt Ion: 75 Resp: 4567

Ion Ratio Lower Upper

75 100

77 35.8 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 6.496 ug/L

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW016666.D

Acq: 28 Sep 2020 13:49

Instrument :

MSVOA_W

ClientSampleId :

BG3Y8

Tot Ion: 97 Resp: 43842

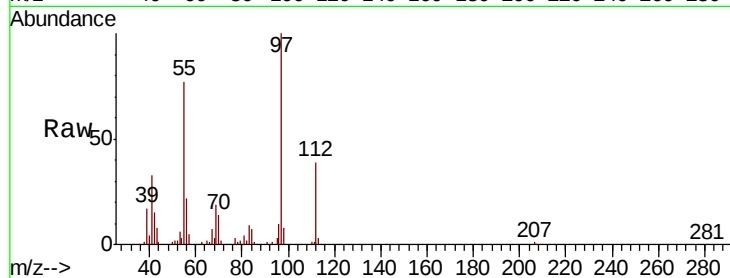
Ion Ratio Lower Upper

97 100

83 9.0 55.7 103.5#

85 1.3 36.8 68.4#

99 0.0 43.7 81.1#



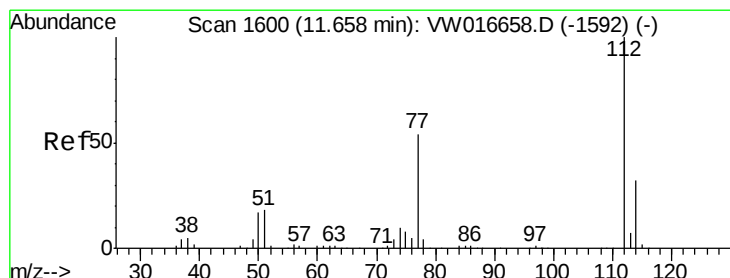
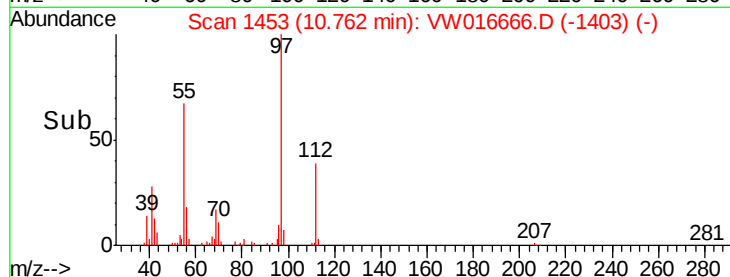
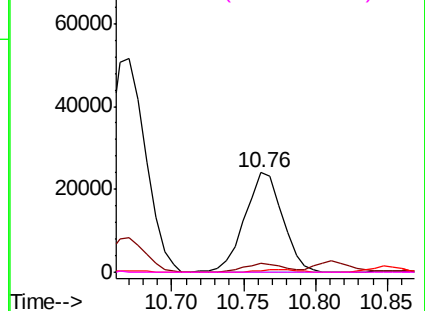
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#52

Chlorobenzene

Concen: 1.452 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW016666.D

Acq: 28 Sep 2020 13:49

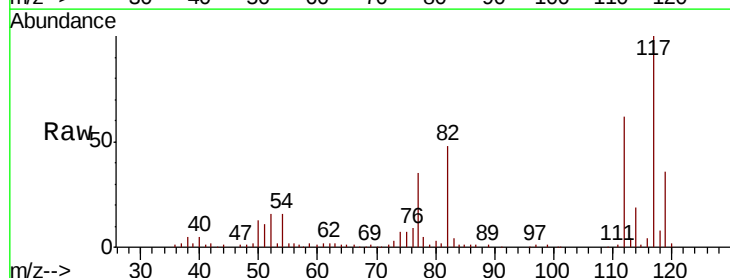
Tgt Ion: 112 Resp: 37781

Ion Ratio Lower Upper

112 100

77 55.8 43.1 64.7

114 30.8 22.3 41.3

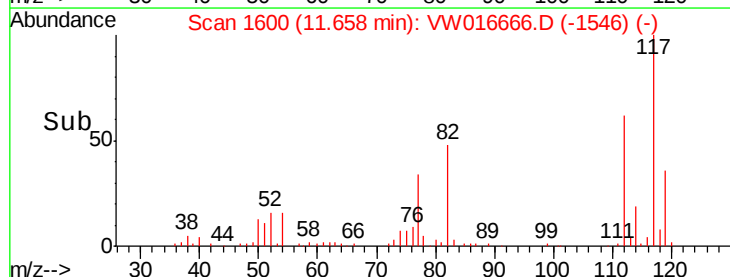
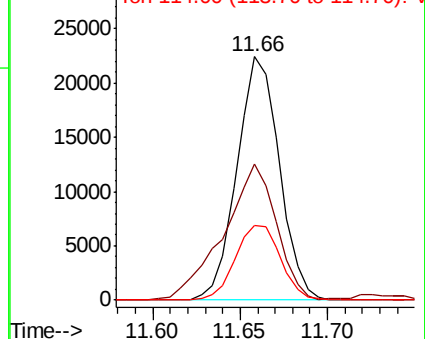


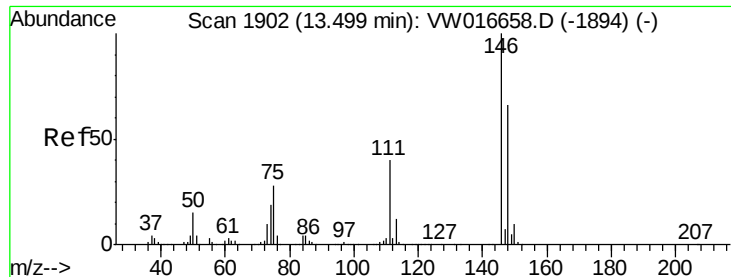
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V

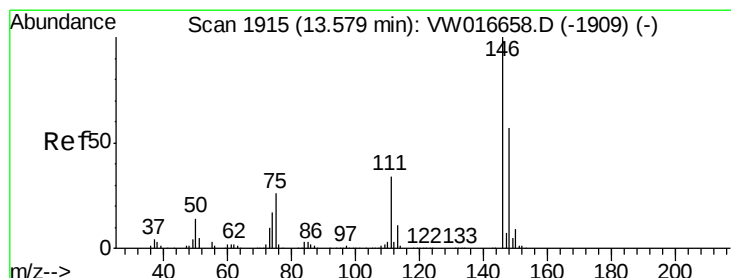
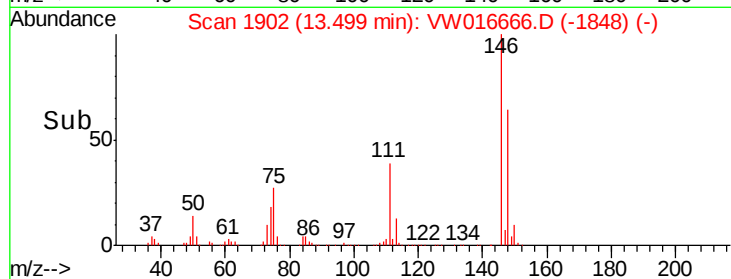
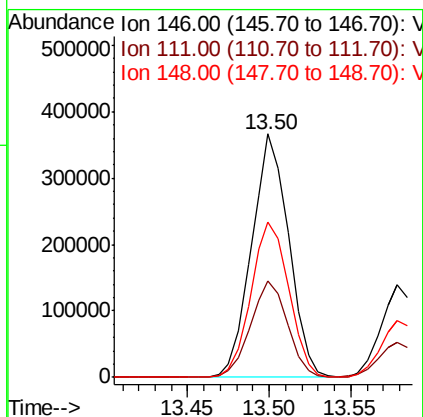
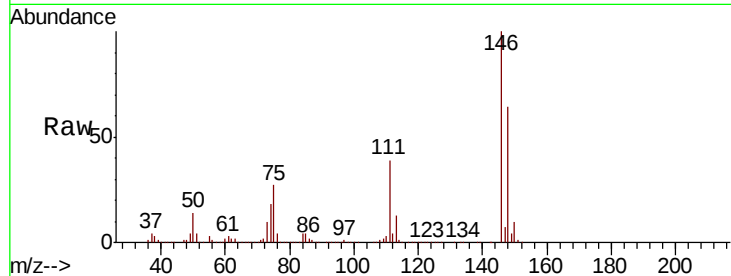




#63
 1,3-Dichlorobenzene
 Concen: 29.572 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016666.D
 Acq: 28 Sep 2020 13:49

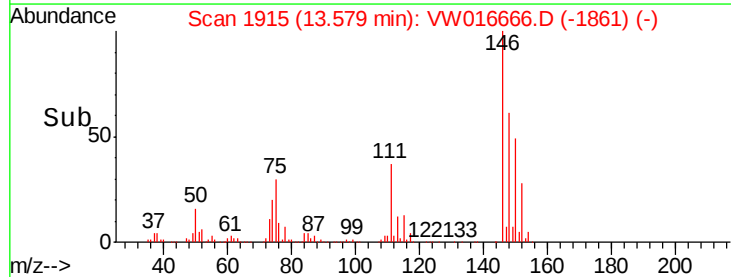
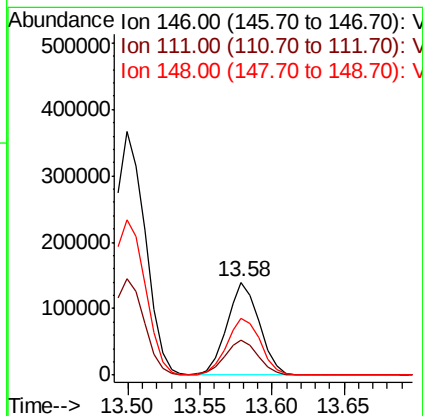
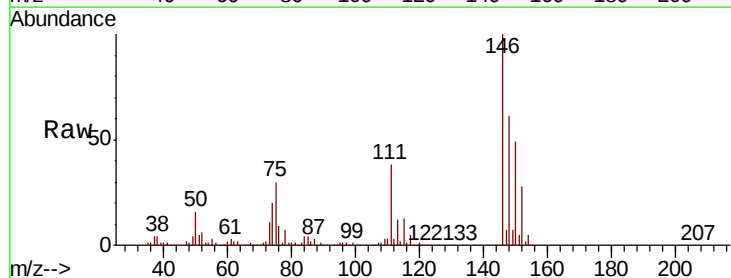
Instrument :
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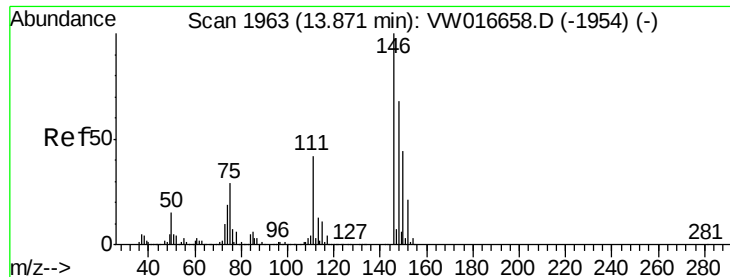
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	25.0	46.4
148	63.8	44.0	81.8



#64
 1,4-Dichlorobenzene
 Concen: 11.492 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016666.D
 Acq: 28 Sep 2020 13:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	25.1	46.5
148	61.5	42.3	78.5

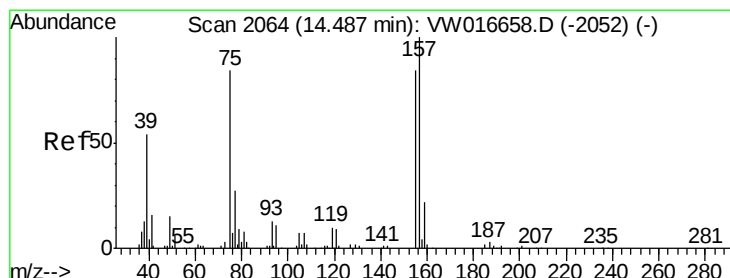
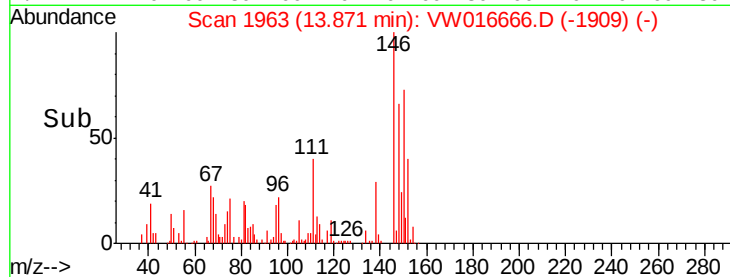
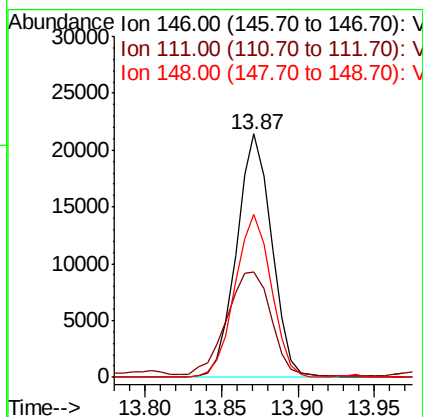
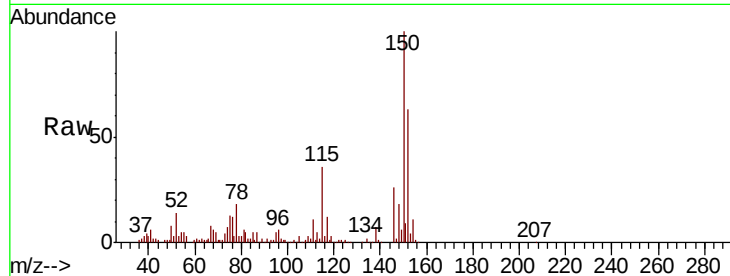




#65
 1,2-Dichlorobenzene
 Concen: 1.957 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016666.D
 Acq: 28 Sep 2020 13:49

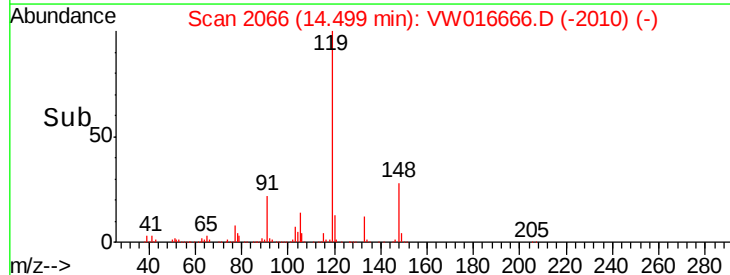
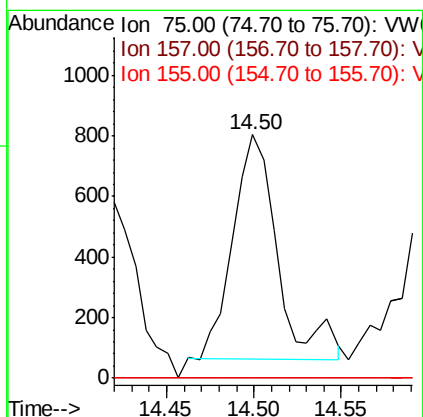
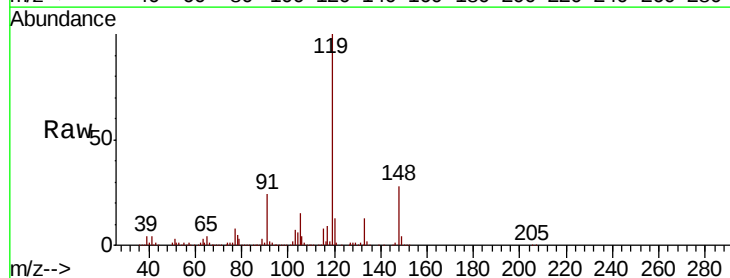
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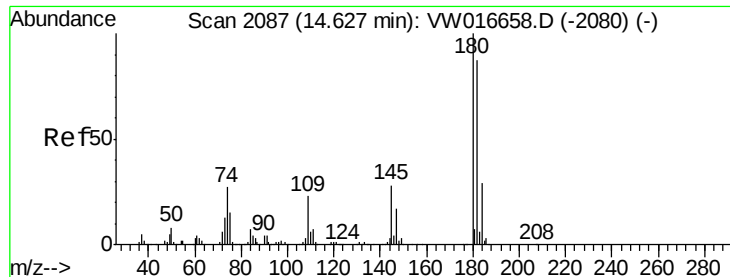
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	31.4	47.0
148	67.0	49.3	73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.051 ug/L
 RT: 14.50 min Scan# 2066
 Delta R.T. 0.01 min
 Lab File: VW016666.D
 Acq: 28 Sep 2020 13:49

Tgt Ion	Ratio	Lower	Upper
75	100		
157	0.0	92.2	138.4#
155	0.0	73.5	110.3#

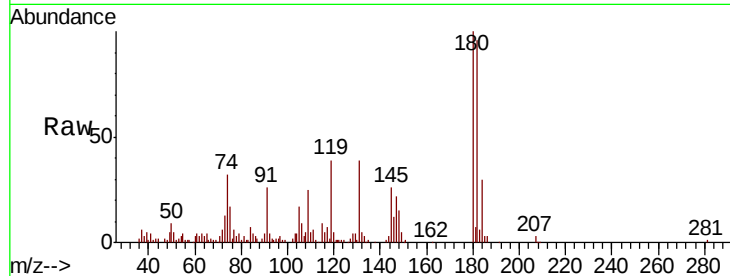




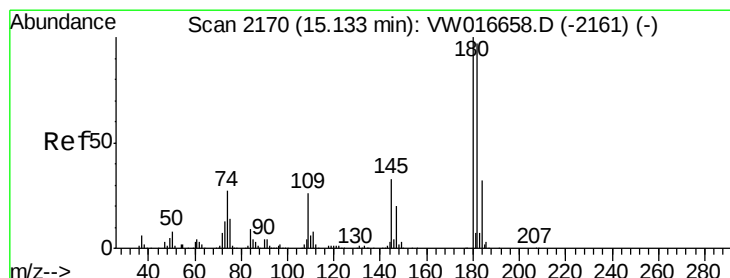
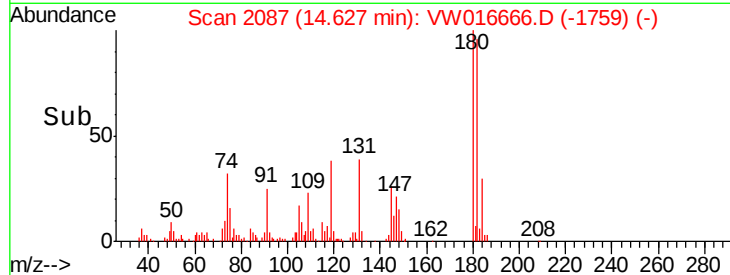
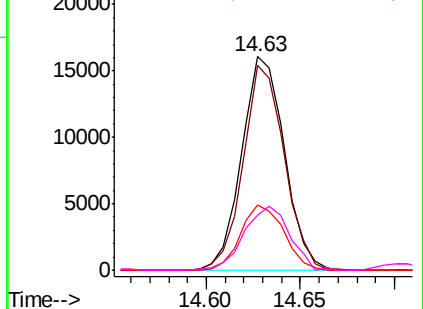
#67
 1,3,5-Trichlorobenzene
 Concen: 1.767 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016666.D
 Acq: 28 Sep 2020 13:49

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3Y8

Tot Ion:180	Resp:	25254
Ion	Ratio	Lower Upper
180	100	
182	92.4	73.8 110.8
184	30.8	23.7 35.5
145	32.0	22.8 34.2

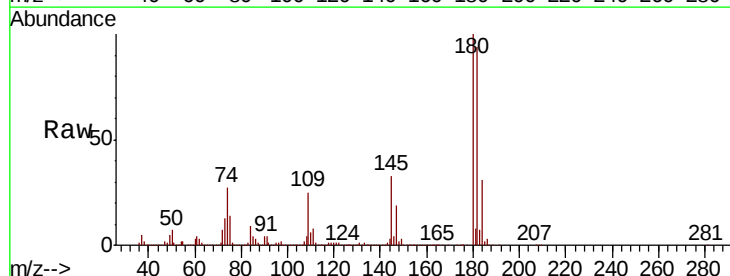


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 220.164 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016666.D
 Acq: 28 Sep 2020 13:49

Tgt Ion:180	Resp:	2545638
Ion	Ratio	Lower Upper
180	100	
182	93.3	74.5 111.7
145	32.4	23.1 34.7



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

