

Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

Quant Time: Apr 04 02:06:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 04 02:03:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	468358	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	416242	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	143874	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	180960	29.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.12%
7) Chloroethane-d5	2.89	69	163741	29.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.64%
10) 1,1-Dichloroethene-d2	4.01	63	280291	21.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.08%
20) 2-Butanone-d5	7.07	46	111546	56.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.12%
24) Chloroform-d	7.64	84	351120	27.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.88%
26) 1,2-Dichloroethane-d4	8.30	65	220333	28.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.32%
29) Benzene-d6	8.27	84	678686	31.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	124.24%
33) 1,2-Dichloropropane-d6	9.27	67	204694	30.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	121.32%#
37) Toluene-d8	10.32	98	598798	29.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	118.56%
38) trans-1,3-Dichloropropene-	10.58	79	90883	28.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	112.92%
39) 2-Hexanone-d5	10.93	63	79506	62.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	161359	25.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	145030	28.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.92%

Target Compounds

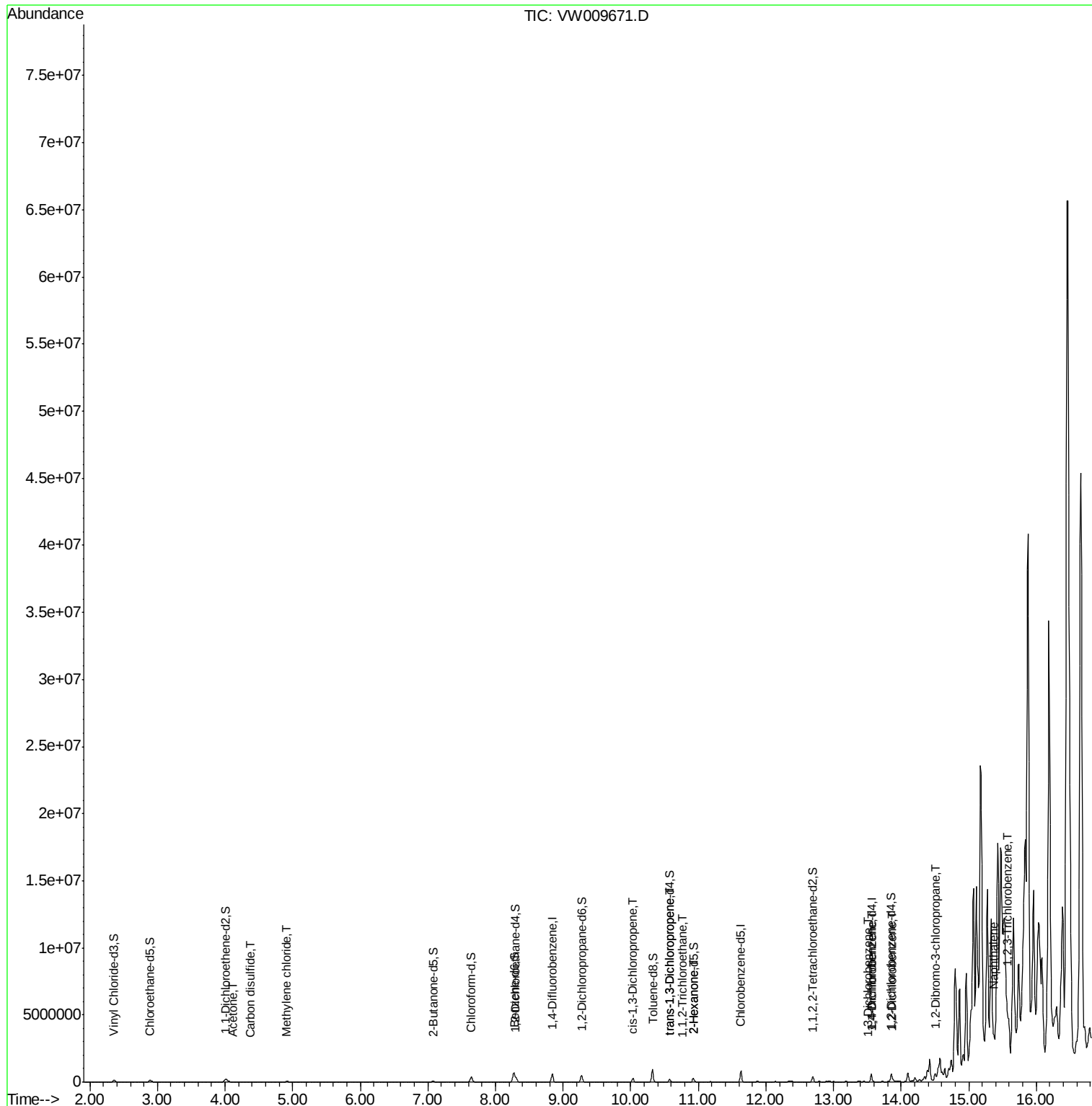
					Qvalue
13) Acetone	4.12	43	20863	9.785	ug/L 100
14) Carbon disulfide	4.37	76	17646	0.913	ug/L 99
16) Methylene chloride	4.91	84	17982	2.177	ug/L 96
42) cis-1,3-Dichloropropene	10.03	75	8427	0.849	ug/L # 77
45) trans-1,3-Dichloropropene	10.58	75	5620	0.656	ug/L 92
46) 1,1,2-Trichloroethane	10.76	97	2222	0.462	ug/L # 20
49) 2-Hexanone	10.93	43	14726	3.972	ug/L # 42
63) 1,3-Dichlorobenzene	13.51	146	4669	0.525	ug/L 94
64) 1,4-Dichlorobenzene	13.57	146	6177	0.651	ug/L # 82
65) 1,2-Dichlorobenzene	13.87	146	17115	2.010	ug/L # 90
66) 1,2-Dibromo-3-chloropropan	14.51	75	2265	2.733	ug/L # 8
69) Naphthalene	15.37	128	746547	70.040	ug/L # 88
70) 1,2,3-Trichlorobenzene	15.58	180	6299	1.270	ug/L # 22

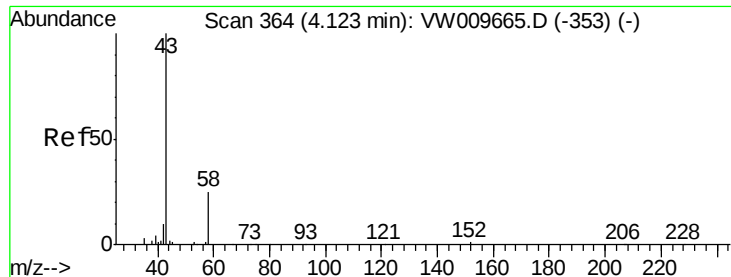
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 9.785 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009671.D

Acq: 03 Apr 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

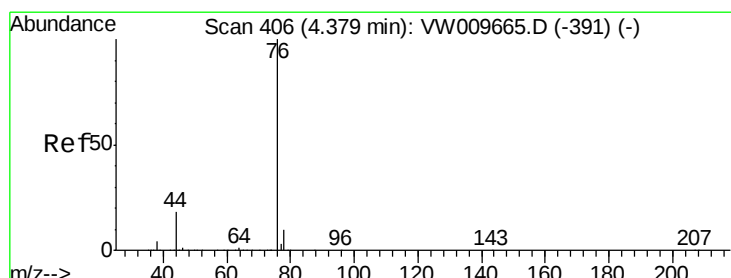
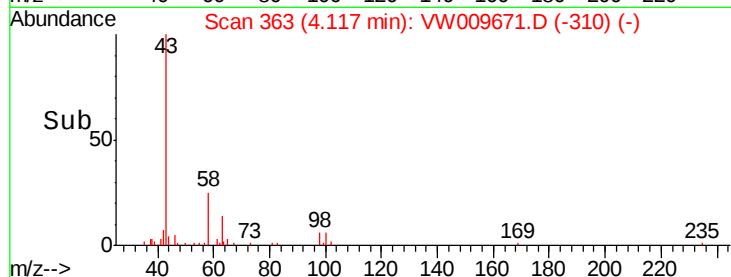
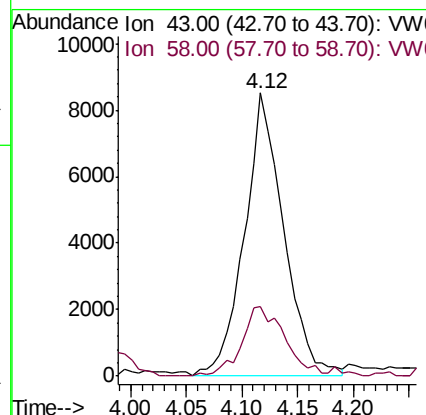
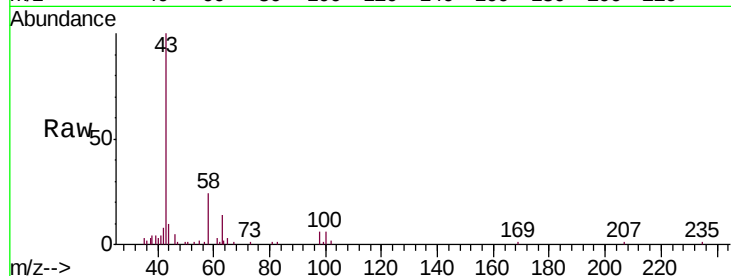
BF5B6

Tgt Ion: 43 Resp: 20863

Ion Ratio Lower Upper

43 100

58 26.6 0.0 53.0



#14

Carbon disulfide

Concen: 0.913 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009671.D

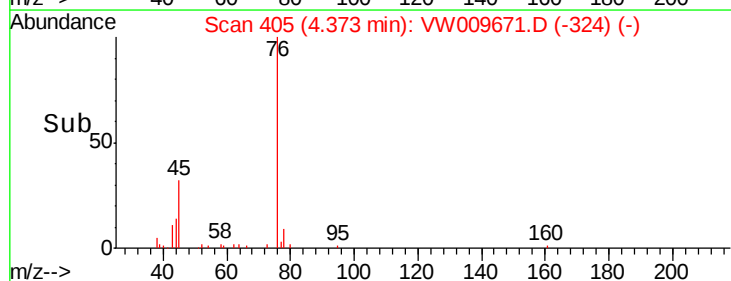
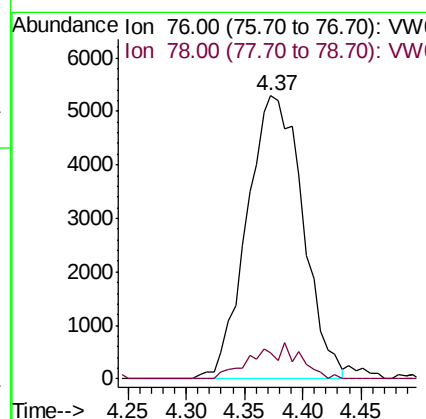
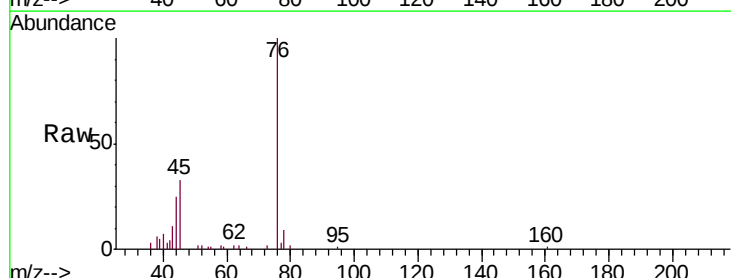
Acq: 03 Apr 2019 21:17

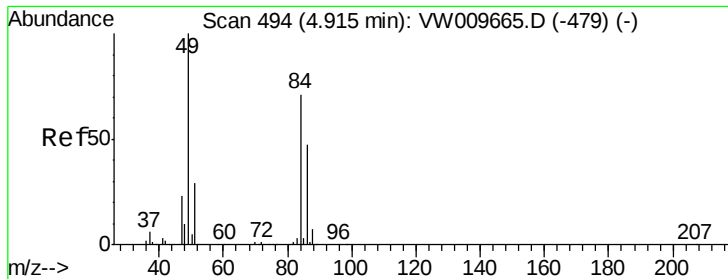
Tgt Ion: 76 Resp: 17646

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

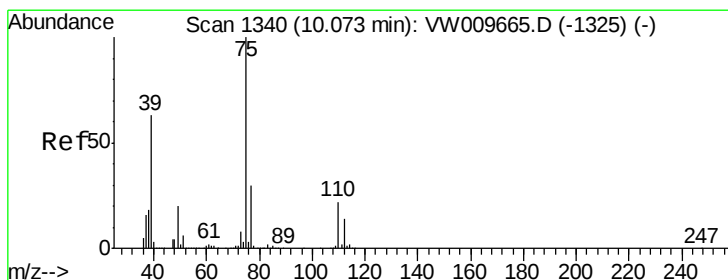
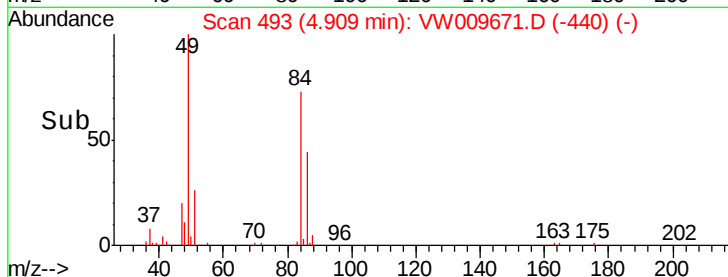
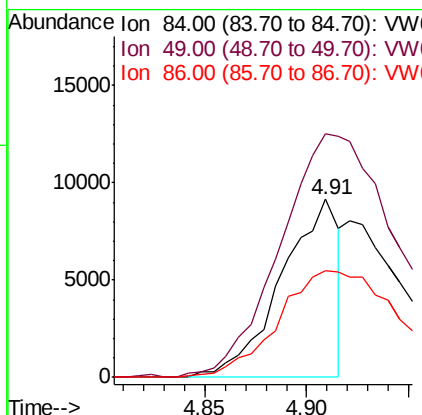
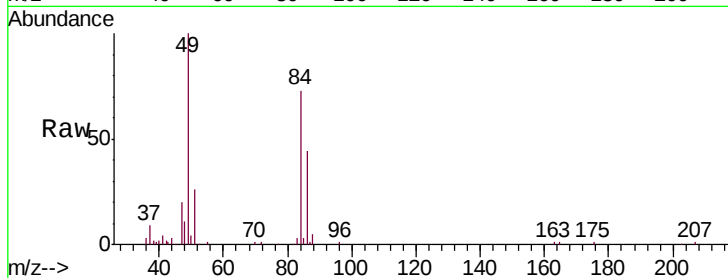




#16
Methylene chloride
Concen: 2.177 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009671.D
Acq: 03 Apr 2019 21:17

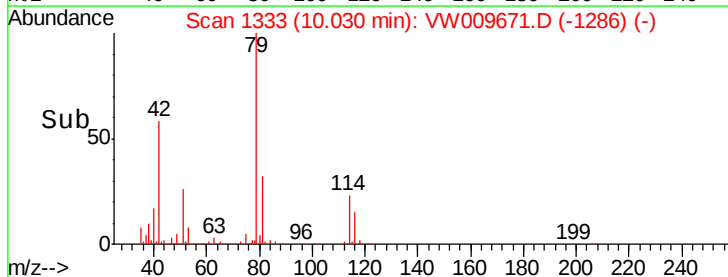
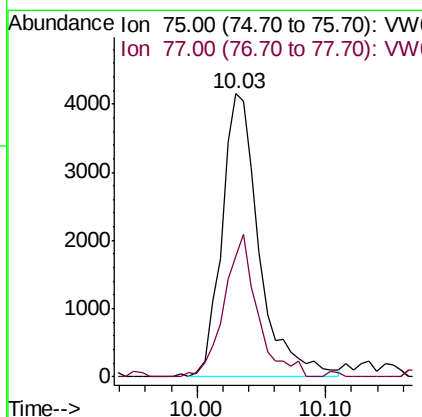
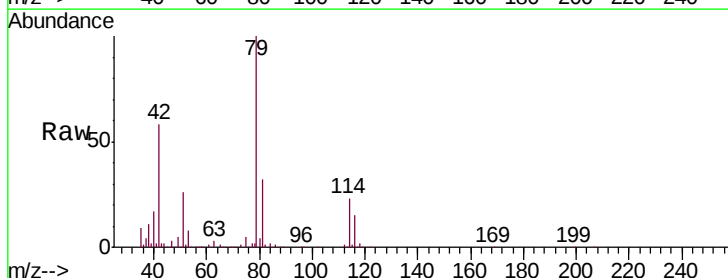
Instrument :
MSVOA_W
ClientSampled :
BF5B6

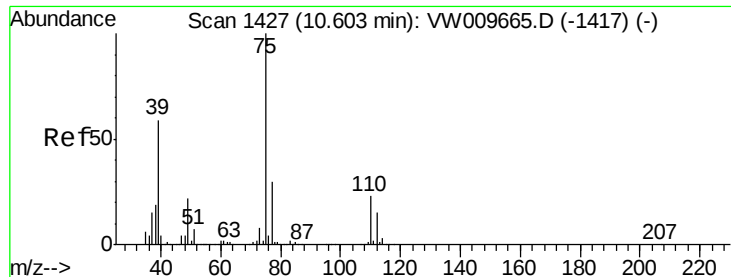
Tgt Ion: 84 Resp: 17982
Ion Ratio Lower Upper
84 100
49 137.0 98.3 182.5
86 59.8 46.4 86.2



#42
cis-1,3-Dichloropropene
Concen: 0.849 ug/L
RT: 10.03 min Scan# 1333
Delta R.T. -0.04 min
Lab File: VW009671.D
Acq: 03 Apr 2019 21:17

Tgt Ion: 75 Resp: 8427
Ion Ratio Lower Upper
75 100
77 42.6 21.0 39.0#





#45

trans-1,3-Dichloropropene

Concen: 0.656 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009671.D

Acq: 03 Apr 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

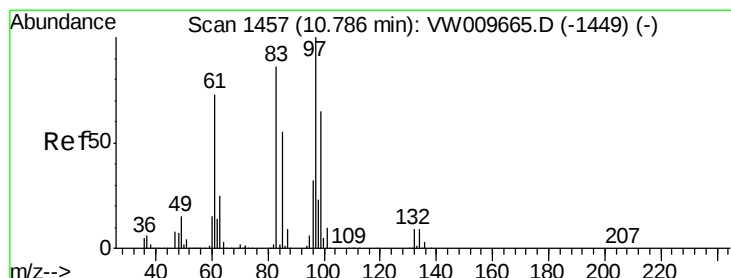
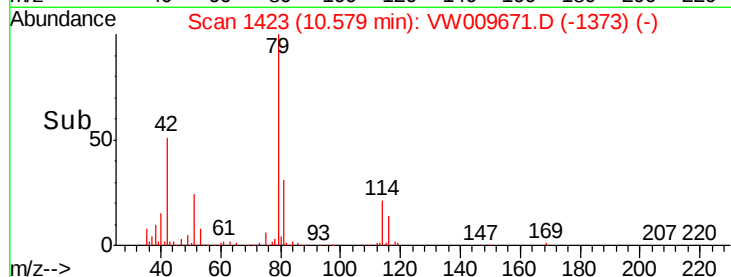
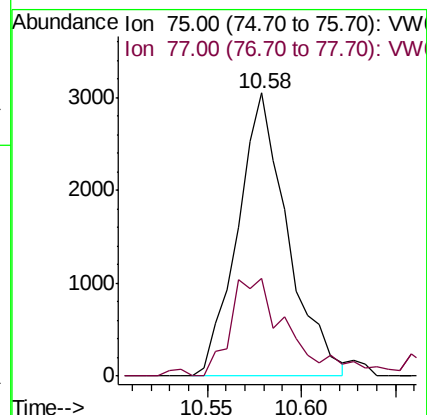
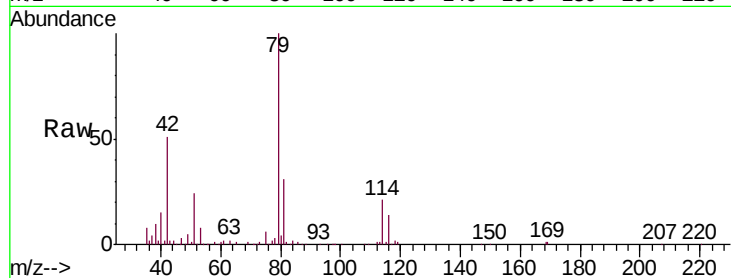
BF5B6

Tgt Ion: 75 Resp: 5620

Ion Ratio Lower Upper

75 100

77 34.4 21.1 39.3



#46

1,1,2-Trichloroethane

Concen: 0.462 ug/L

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW009671.D

Acq: 03 Apr 2019 21:17

Tgt Ion: 97 Resp: 2222

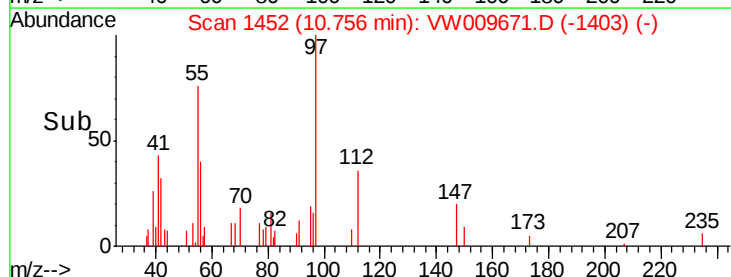
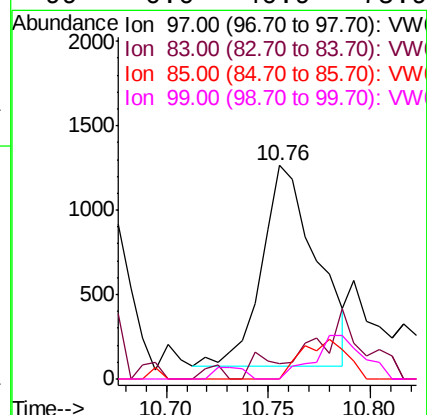
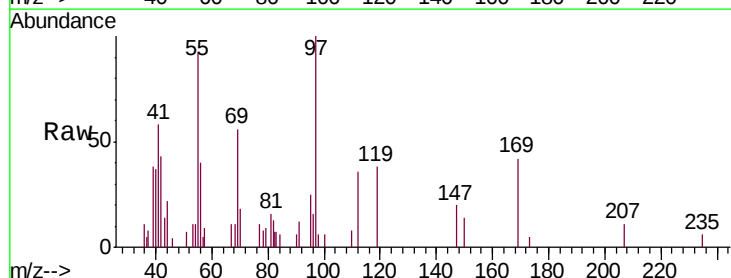
Ion Ratio Lower Upper

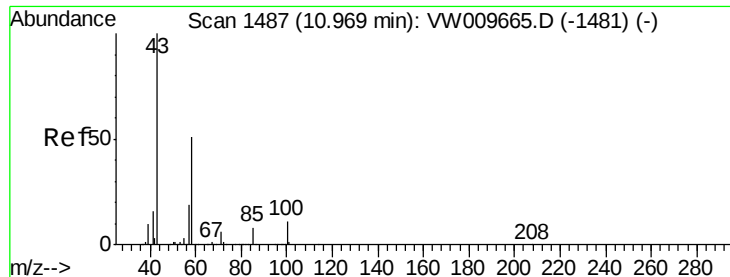
97 100

83 7.3 57.3 106.3#

85 0.0 38.1 70.7#

99 0.0 40.9 75.9#





#49

2-Hexanone

Concen: 3.972 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009671.D

Acq: 03 Apr 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

BF5B6

Tgt Ion: 43 Resp: 14726

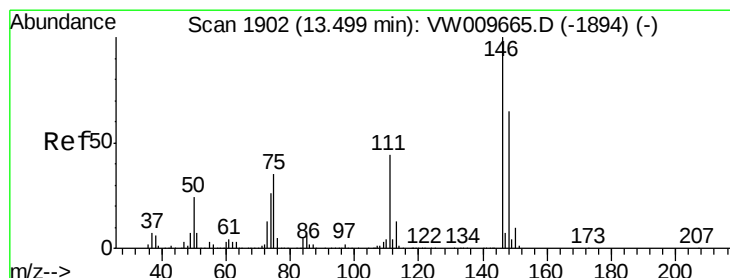
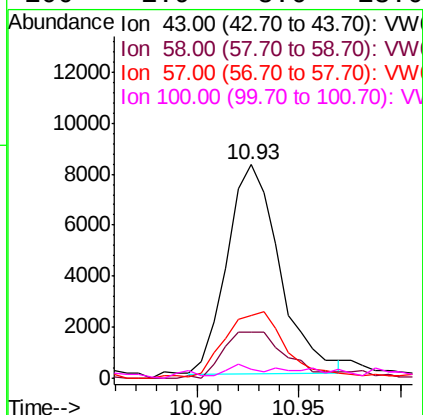
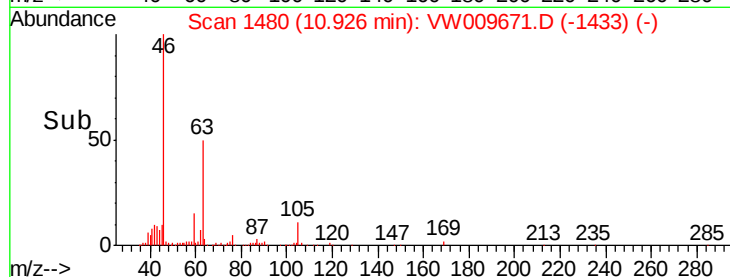
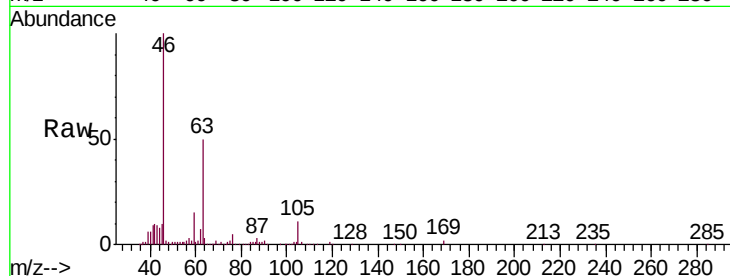
Ion Ratio Lower Upper

43 100

58 0.0 38.9 58.3#

57 34.7 13.8 20.6#

100 1.9 8.6 13.0#



#63

1,3-Dichlorobenzene

Concen: 0.525 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW009671.D

Acq: 03 Apr 2019 21:17

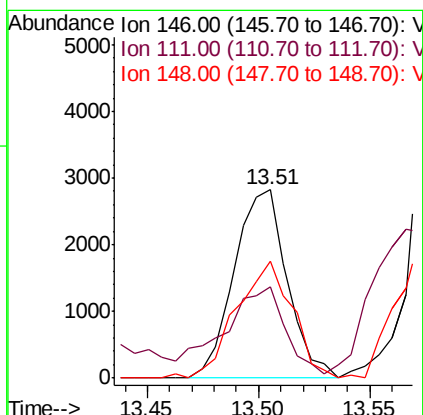
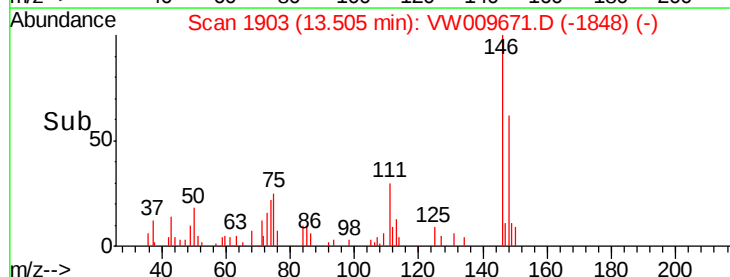
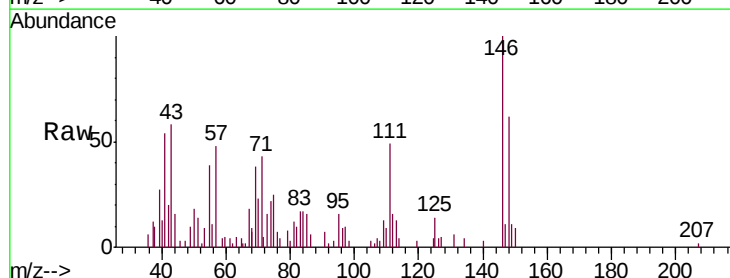
Tgt Ion: 146 Resp: 4669

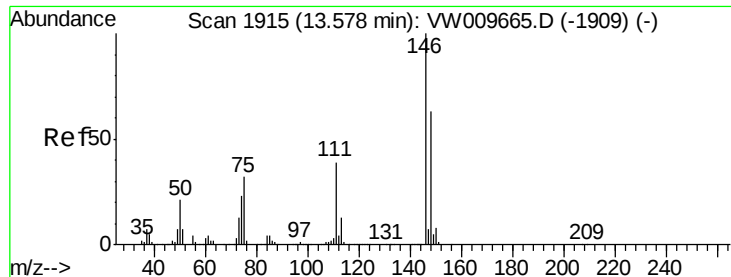
Ion Ratio Lower Upper

146 100

111 48.7 28.1 52.3

148 61.9 44.3 82.3

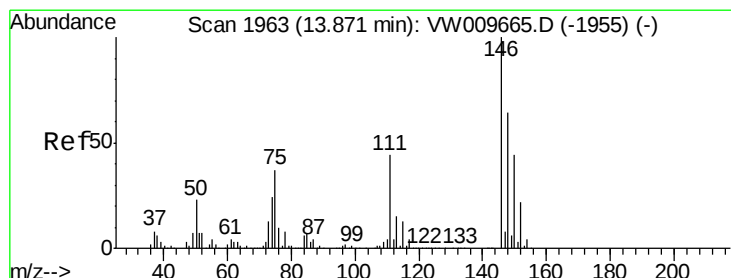
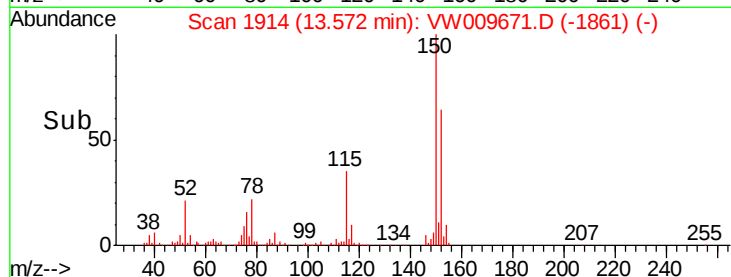
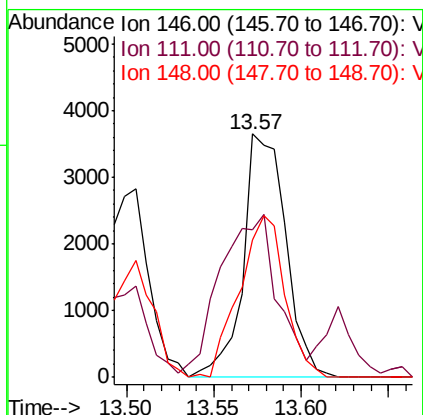
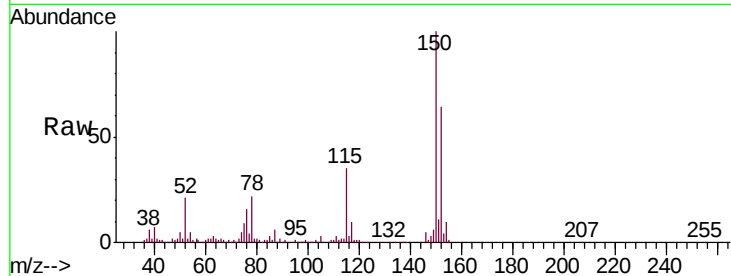




#64
 1,4-Dichlorobenzene
 Concen: 0.651 ug/L
 RT: 13.57 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: VW009671.D
 Acq: 03 Apr 2019 21:17

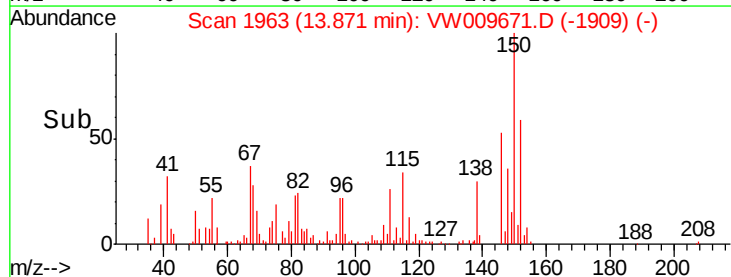
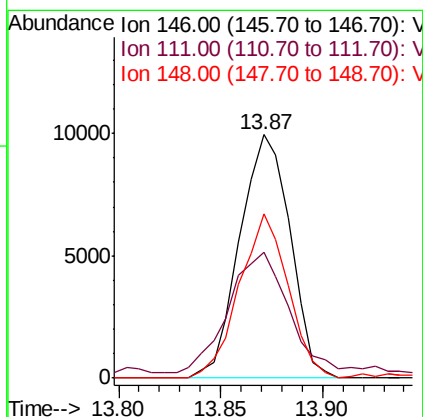
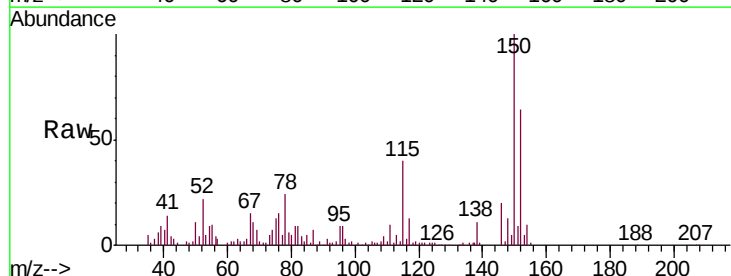
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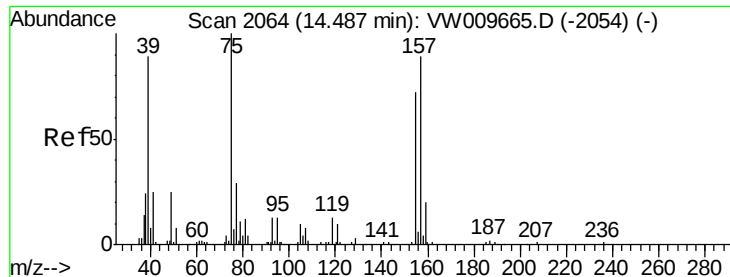
Tgt Ion:146 Resp: 6177
 Ion Ratio Lower Upper
 146 100
 111 60.5 27.4 50.8#
 148 56.3 43.8 81.3



#65
 1,2-Dichlorobenzene
 Concen: 2.010 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009671.D
 Acq: 03 Apr 2019 21:17

Tgt Ion:146 Resp: 17115
 Ion Ratio Lower Upper
 146 100
 111 51.5 32.4 48.6#
 148 67.2 50.5 75.7

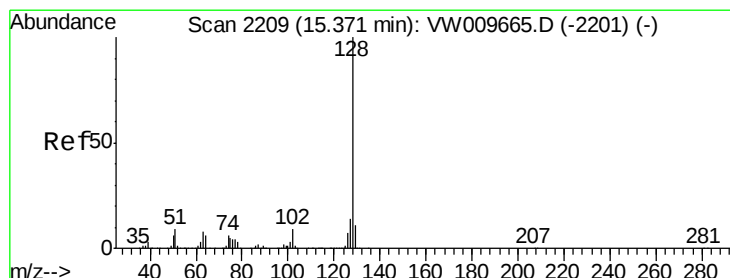
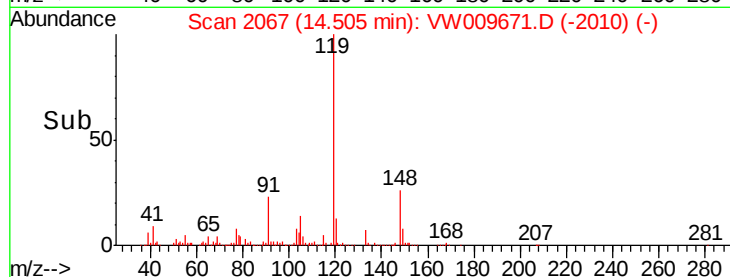
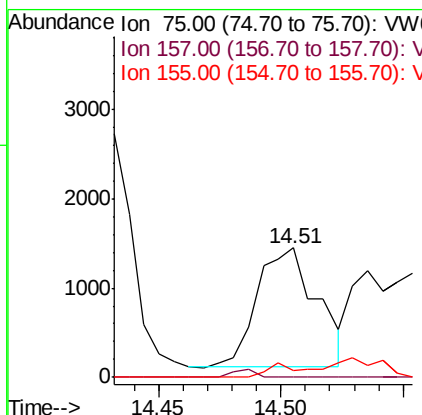
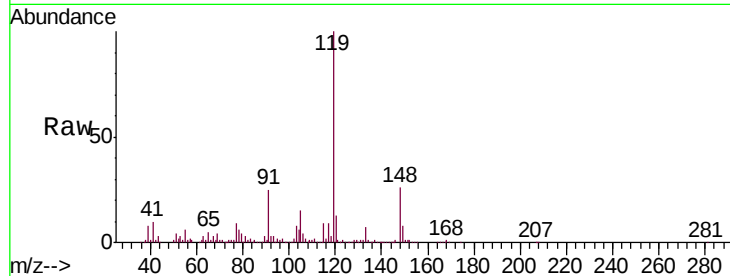




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.733 ug/L
 RT: 14.51 min Scan# 2067
 Delta R.T. 0.02 min
 Lab File: VW009671.D
 Acq: 03 Apr 2019 21:17

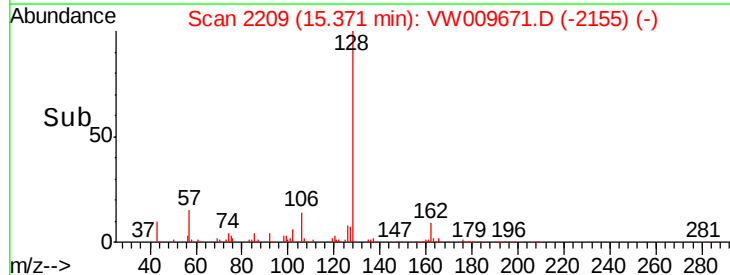
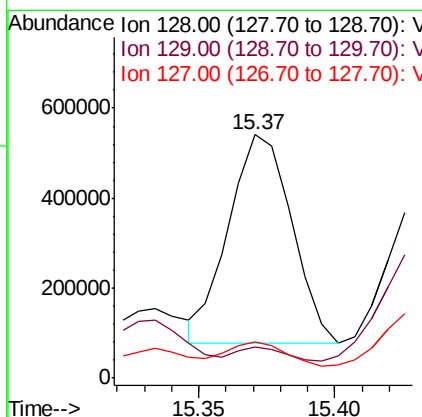
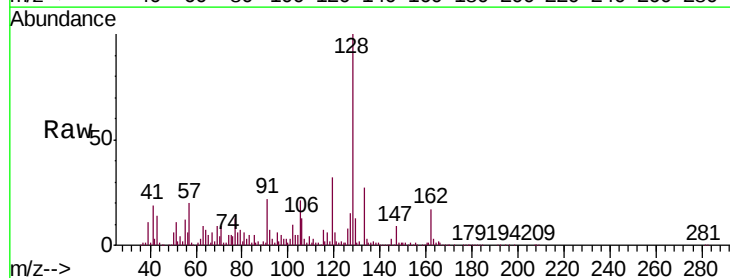
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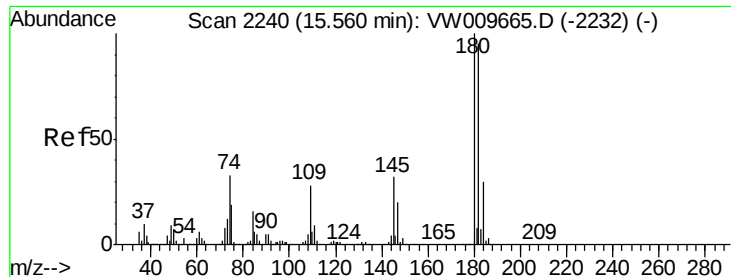
Tgt Ion: 75 Resp: 2265
 Ion Ratio Lower Upper
 75 100
 157 0.0 77.2 115.8#
 155 4.8 61.9 92.9#



#69
 Naphthalene
 Concen: 70.040 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW009671.D
 Acq: 03 Apr 2019 21:17

Tgt Ion: 128 Resp: 746547
 Ion Ratio Lower Upper
 128 100
 129 4.7 8.5 12.7#
 127 10.1 10.8 16.2#





#70
 1,2,3-Trichlorobenzene
 Concen: 1.270 ug/L
 RT: 15.58 min Scan# 2243
 Delta R.T. 0.02 min
 Lab File: VW009671.D
 Acq: 03 Apr 2019 21:17

Instrument :
 MSVOA_W
 ClientSampleId :
 BF5B6

Tgt Ion:180 Resp: 6299
 Ion Ratio Lower Upper
 180 100
 182 11.3 75.0 112.4#
 145 0.0 25.8 38.6#

