

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
 Data File : VW009749.D
 Acq On : 06 Apr 2019 01:36
 Operator : SY/VA
 Sample : K2277-07
 Misc : 5.47G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF169

Quant Time: Apr 06 05:39:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 06 05:36:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	437309	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	402844	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	177955	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	153353	26.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.20%
7) Chloroethane-d5	2.89	69	140686	26.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.32%
10) 1,1-Dichloroethene-d2	4.02	63	369928	30.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	120.24%#
20) 2-Butanone-d5	7.08	46	82377	44.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.68%
24) Chloroform-d	7.65	84	341287	28.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	114.40%
26) 1,2-Dichloroethane-d4	8.30	65	199602	27.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.00%
29) Benzene-d6	8.27	84	663952	31.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	125.60%
33) 1,2-Dichloropropane-d6	9.27	67	197650	30.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	121.04%#
37) Toluene-d8	10.32	98	593962	30.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	121.52%
38) trans-1,3-Dichloropropene-	10.58	79	81197	26.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.24%
39) 2-Hexanone-d5	10.93	63	55290	44.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	147396	24.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	192711	30.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	123.44%#

Target Compounds

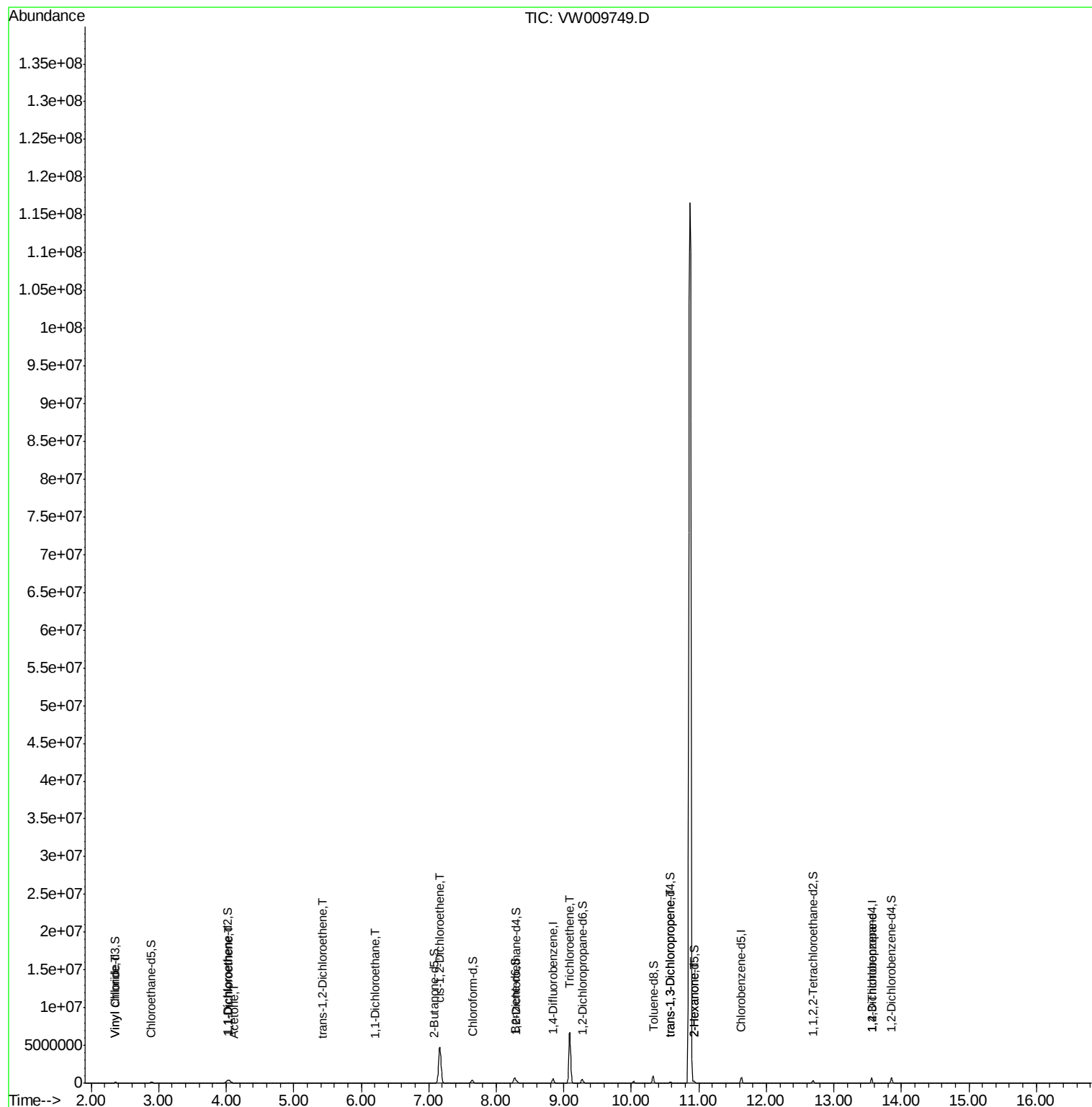
					Qvalue
5) Vinyl chloride	2.37	62	3786	0.496 ug/L #	1
12) 1,1-Dichloroethene	4.04	96	182183	31.366 ug/L	81
13) Acetone	4.12	43	2117	1.063 ug/L	73
18) trans-1,2-Dichloroethene	5.42	96	4114	0.681 ug/L	85
19) 1,1-Dichloroethane	6.21	63	40266	3.473 ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	2551095	394.870 ug/L	98
35) Trichloroethene	9.09	95	2148415	338.709 ug/L	99
45) trans-1,3-Dichloropropene	10.58	75	4494	0.542 ug/L #	79
49) 2-Hexanone	10.93	43	8879	2.474 ug/L #	81
59) 1,2,3-Trichloropropane	13.56	75	23990	5.146 ug/L	90

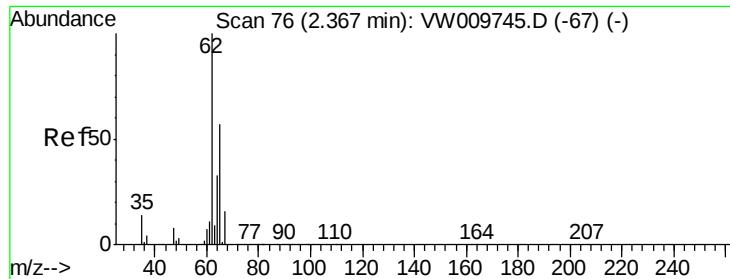
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 06 05:36:42 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.496 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009749.D

Acq: 06 Apr 2019 01:36

Instrument :

MSVOA_W

ClientSampleId :

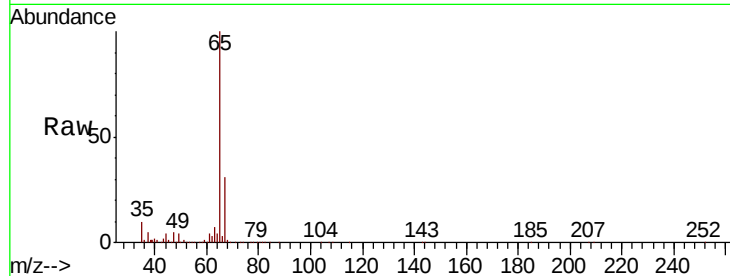
BF169

Tgt Ion: 62 Resp: 3786

Ion Ratio Lower Upper

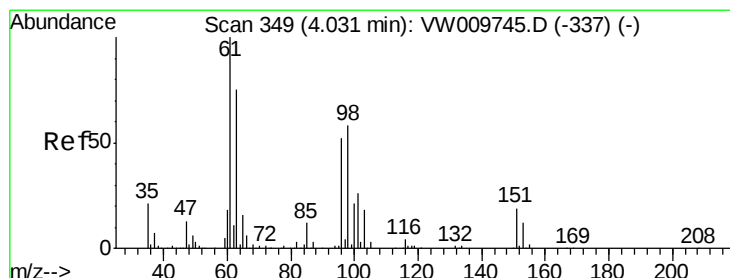
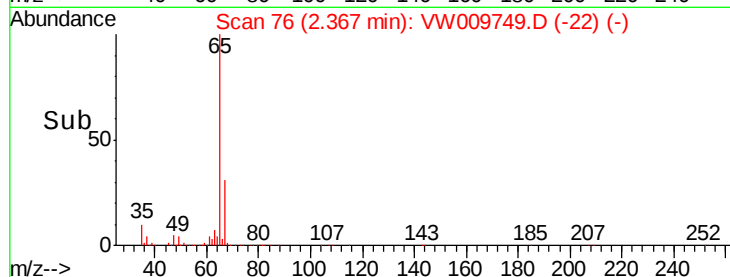
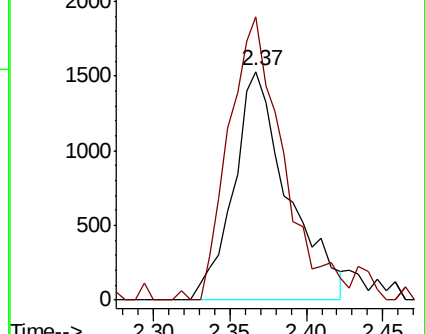
62 100

64 123.8 21.8 40.6#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#12

1,1-Dichloroethene

Concen: 31.366 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW009749.D

Acq: 06 Apr 2019 01:36

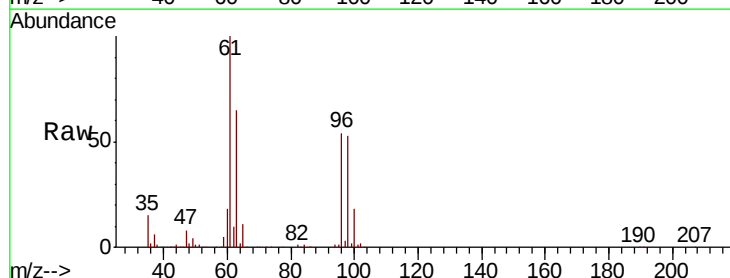
Tgt Ion: 96 Resp: 182183

Ion Ratio Lower Upper

96 100

61 185.4 138.8 257.8

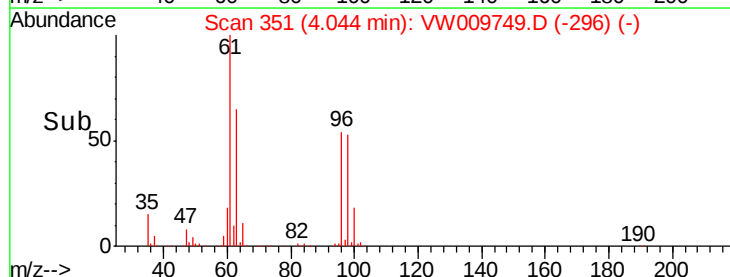
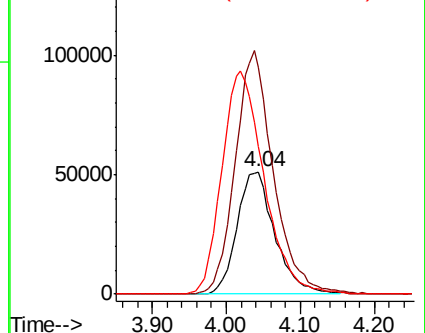
63 121.0 114.6 212.8

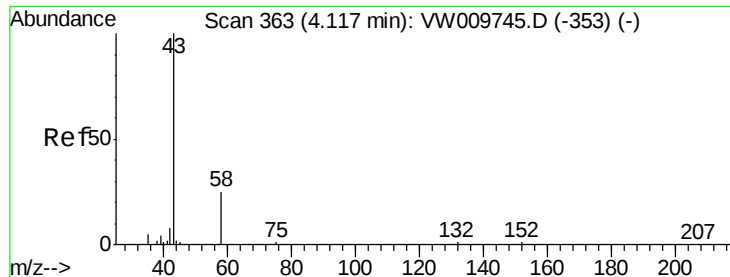


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 1.063 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009749.D

Acq: 06 Apr 2019 01:36

Instrument :

MSVOA_W

ClientSampled :

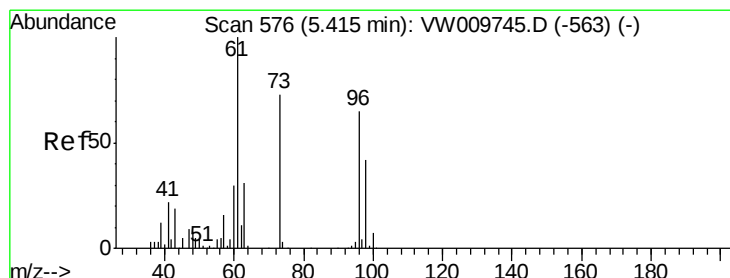
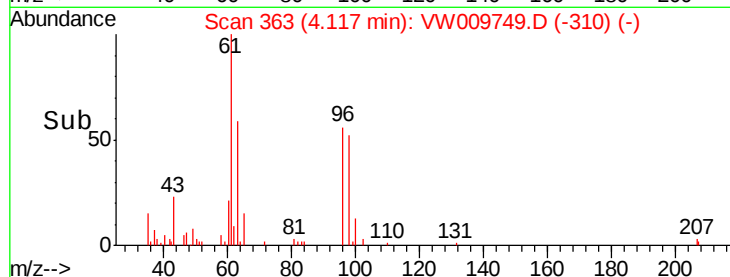
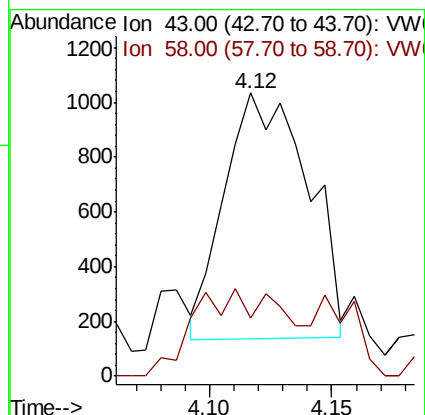
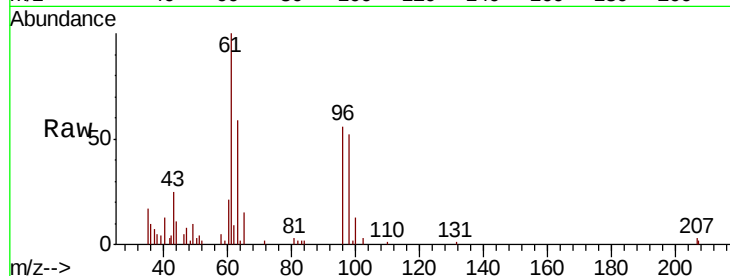
BF169

Tgt Ion: 43 Resp: 2117

Ion Ratio Lower Upper

43 100

58 12.7 0.0 53.0



#18

trans-1,2-Dichloroethene

Concen: 0.681 ug/L

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW009749.D

Acq: 06 Apr 2019 01:36

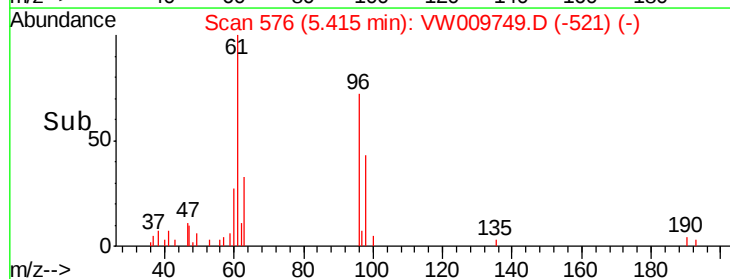
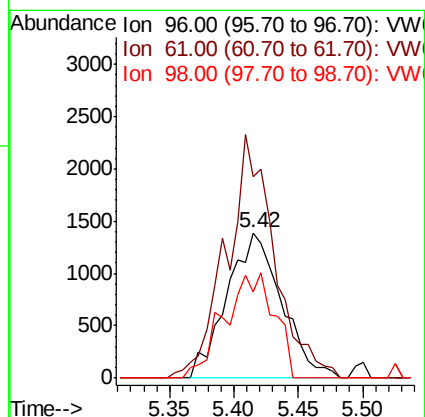
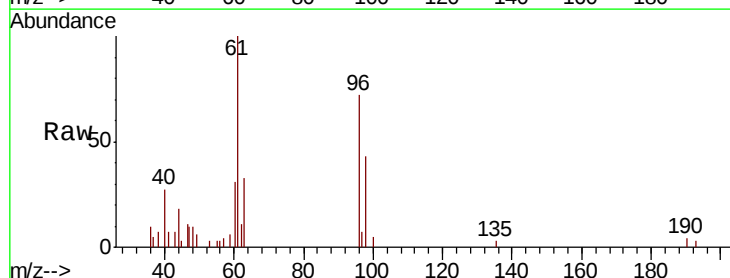
Tgt Ion: 96 Resp: 4114

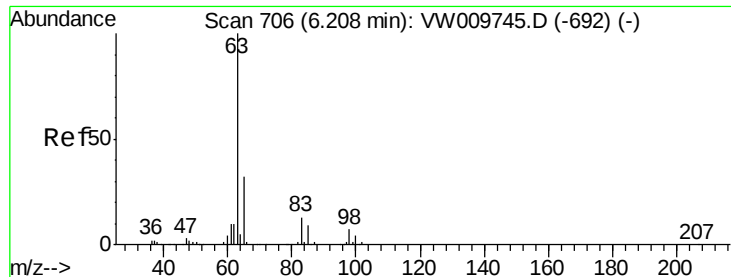
Ion Ratio Lower Upper

96 100

61 126.4 103.7 192.5

98 54.2 43.7 81.1

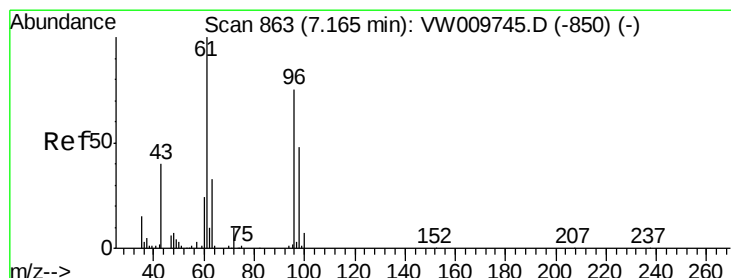
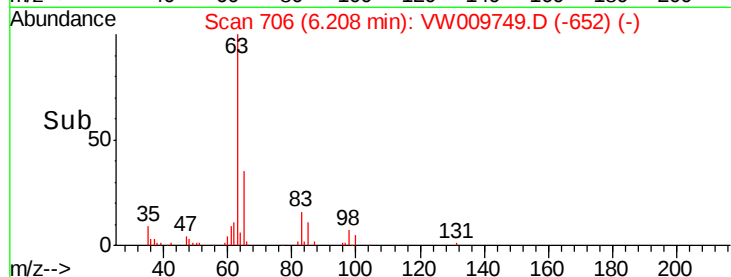
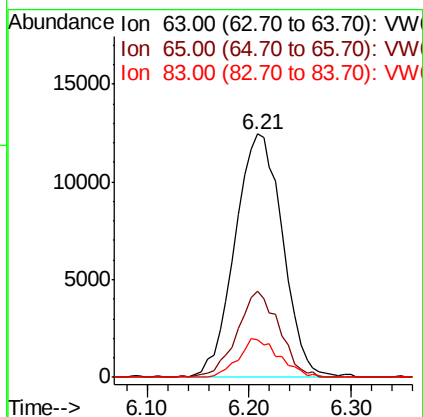
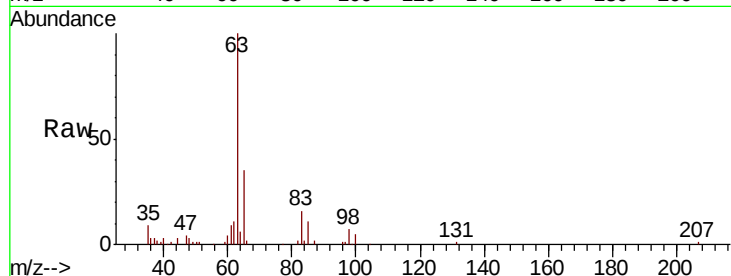




#19
 1,1-Dichloroethane
 Concen: 3.473 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW009749.D
 Acq: 06 Apr 2019 01:36

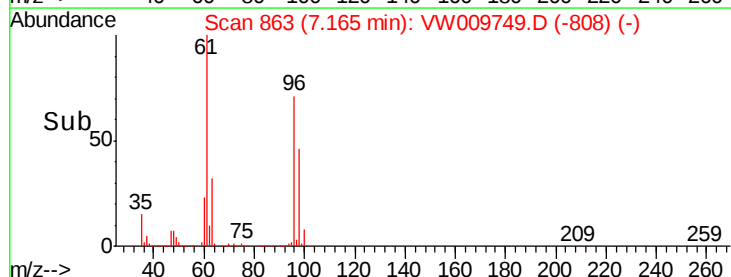
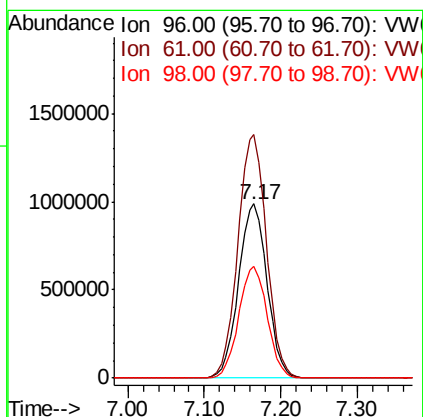
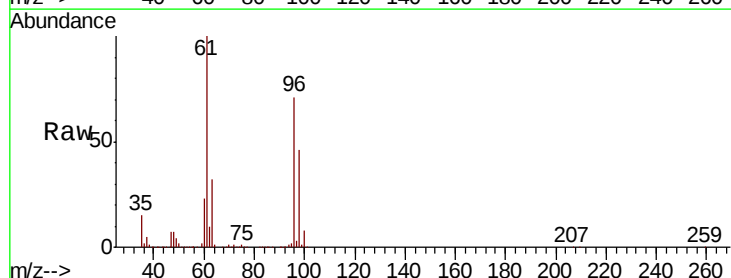
Instrument :
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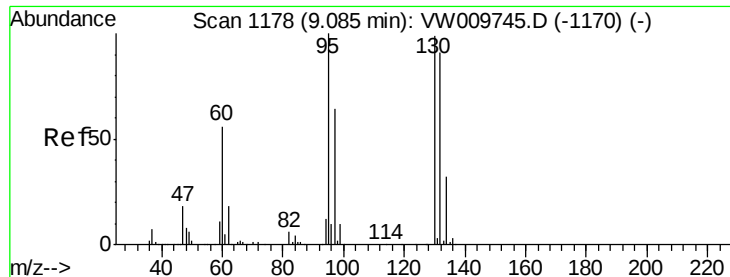
Tgt Ion: 63 Resp: 40266
 Ion Ratio Lower Upper
 63 100
 65 35.4 22.6 42.0
 83 15.6 9.8 18.2



#22
 cis-1,2-Dichloroethene
 Concen: 394.870 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW009749.D
 Acq: 06 Apr 2019 01:36

Tgt Ion: 96 Resp: 2551095
 Ion Ratio Lower Upper
 96 100
 61 140.0 96.8 179.8
 98 64.2 43.5 80.9





#35

Trichloroethene

Concen: 338.709 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW009749.D

Acq: 06 Apr 2019 01:36

Instrument :

MSVOA_W

ClientSampleId :

BF169

Tgt Ion: 95 Resp: 2148415

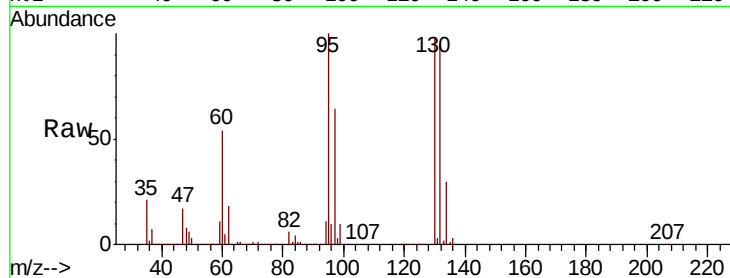
Ion Ratio Lower Upper

95 100

97 64.4 44.9 83.5

132 94.5 67.1 124.7

130 98.0 69.2 128.6

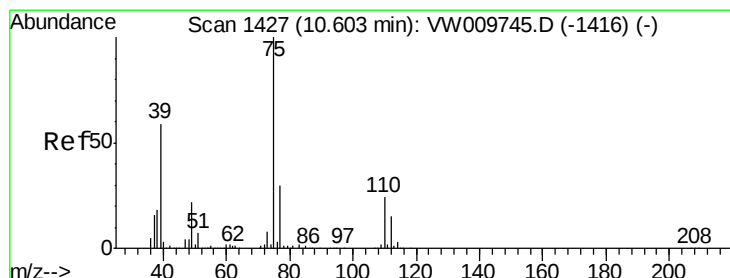
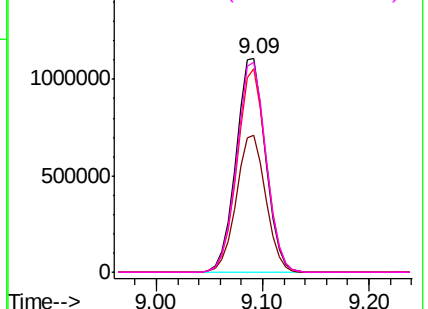
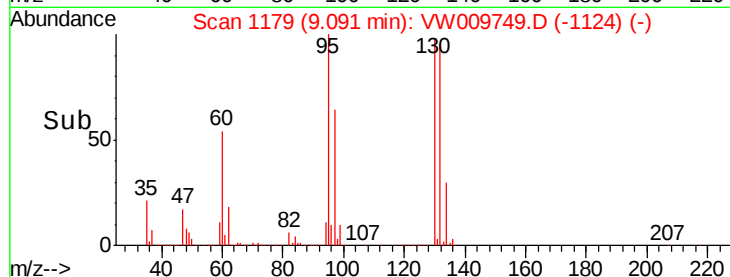


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#45

trans-1,3-Dichloropropene

Concen: 0.542 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009749.D

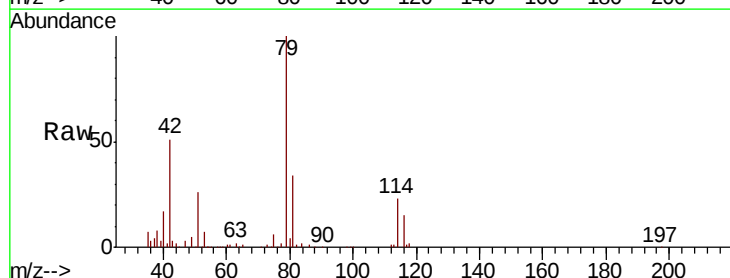
Acq: 06 Apr 2019 01:36

Tgt Ion: 75 Resp: 4494

Ion Ratio Lower Upper

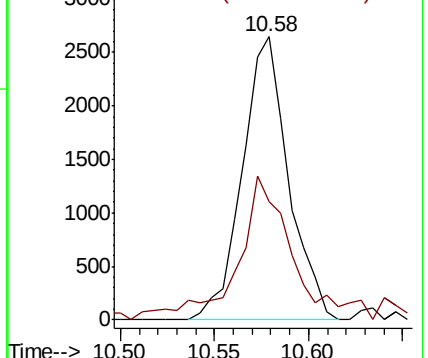
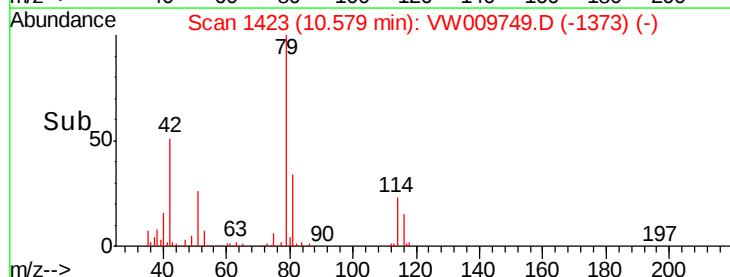
75 100

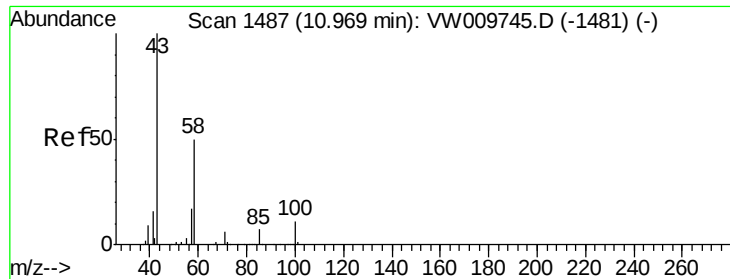
77 41.7 21.1 39.3#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#49

2-Hexanone

Concen: 2.474 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009749.D

Acq: 06 Apr 2019 01:36

Instrument :

MSVOA_W

ClientSampled :

BF169

Tgt Ion: 43 Resp: 8879

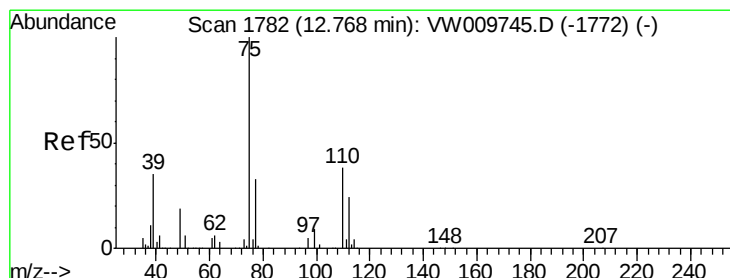
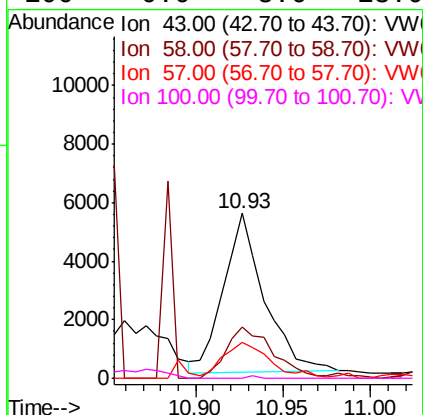
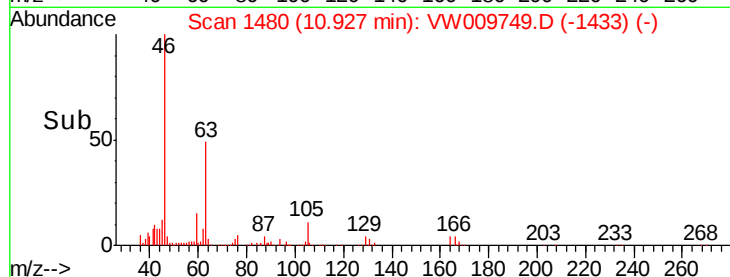
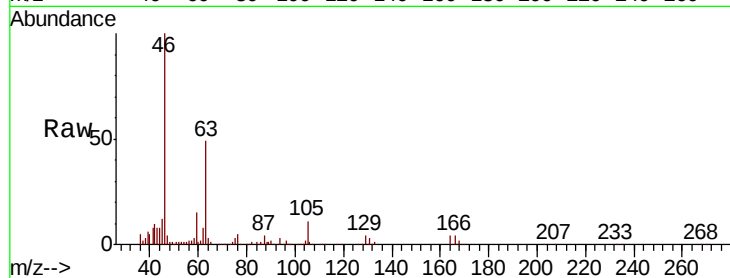
Ion Ratio Lower Upper

43 100

58 36.2 38.9 58.3#

57 24.2 13.8 20.6#

100 0.0 8.6 13.0#



#59

1,2,3-Trichloropropane

Concen: 5.146 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW009749.D

Acq: 06 Apr 2019 01:36

Tgt Ion: 75 Resp: 23990

Ion Ratio Lower Upper

75 100

77 38.3 26.2 39.2

