

Data File : VW009400.D
Acq On : 23 Mar 2019 20:16
Operator : SY/VA
Sample : K2062-16
Misc : 5.31G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF0H3

Quant Time: Mar 23 23:56:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 23 23:52:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	168793	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	175464	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	77410	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	42814	21.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.92%
7) Chloroethane-d5	2.89	69	45343	19.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.84%
10) 1,1-Dichloroethene-d2	4.00	63	71689	16.44	ug/L	-0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.76%
20) 2-Butanone-d5	7.07	46	66009	79.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	158.26%#
24) Chloroform-d	7.65	84	111384	24.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.72%
26) 1,2-Dichloroethane-d4	8.40	65	116	0.04	ug/L	0.10
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.16%#
29) Benzene-d6	8.27	84	191024	19.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	78.96%
33) 1,2-Dichloropropane-d6	9.27	67	66490	22.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.52%
37) Toluene-d8	10.32	98	160577	17.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	71.80%
38) trans-1,3-Dichloropropene-	10.58	79	30289	20.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.00%
39) 2-Hexanone-d5	10.93	63	52377	74.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	148.82%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	86605	30.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	121.04%#
61) 1,2-Dichlorobenzene-d4	13.85	152	73135	24.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.56%

Target Compounds

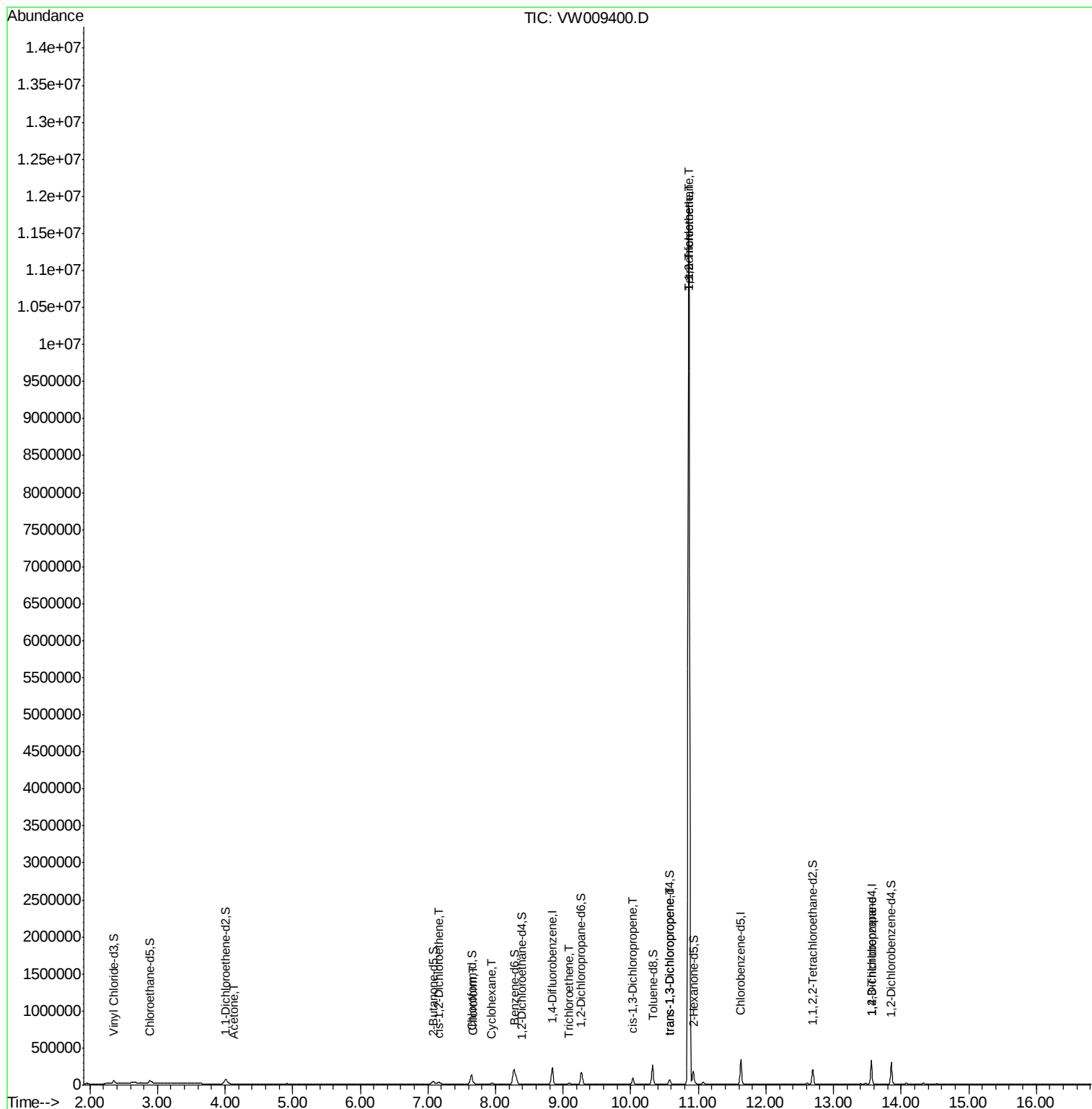
						Qvalue
13) Acetone	4.12	43	3621	5.293	ug/L	69
22) cis-1,2-Dichloroethene	7.16	96	11782	4.977	ug/L	90
25) Chloroform	7.67	83	3690	0.884	ug/L	98
30) Cyclohexane	7.94	56	1272	0.319	ug/L #	87
35) Trichloroethene	9.09	95	3658	1.429	ug/L	84
42) cis-1,3-Dichloropropene	10.04	75	2574	0.641	ug/L #	69
45) trans-1,3-Dichloropropene	10.59	75	1028	0.294	ug/L #	64
46) 1,1,2-Trichloroethane	10.86	97	21868	11.122	ug/L #	1
47) Tetrachloroethene	10.86	164	2321490	1073.627	ug/L	97
59) 1,2,3-Trichloropropane	13.56	75	10615	5.393	ug/L	90

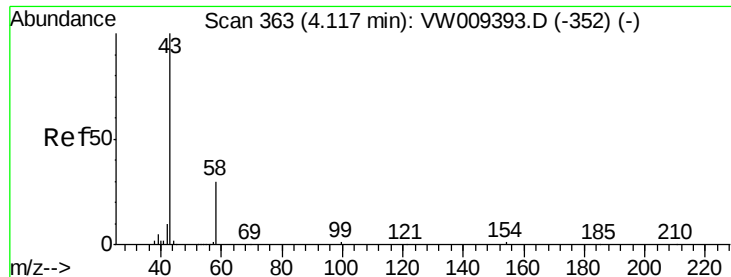
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.293 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009400.D

Acq: 23 Mar 2019 20:16

Instrument :

MSVOA_W

ClientSampleId :

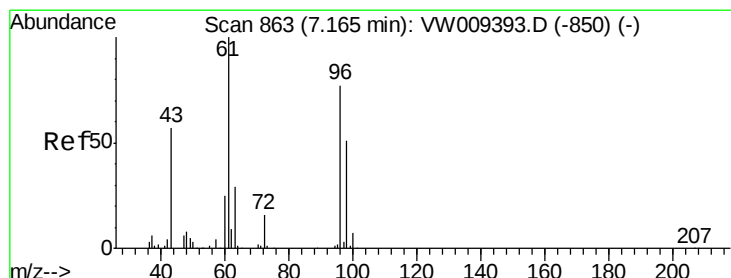
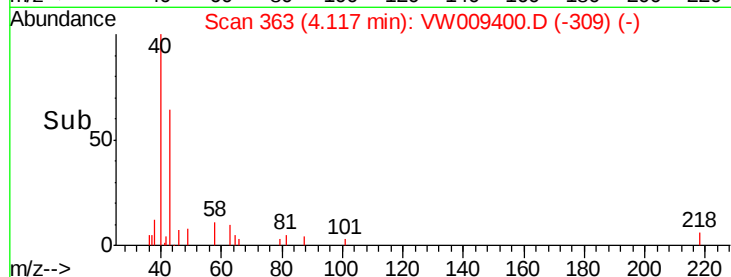
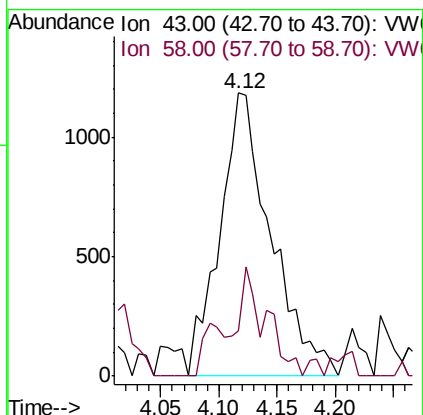
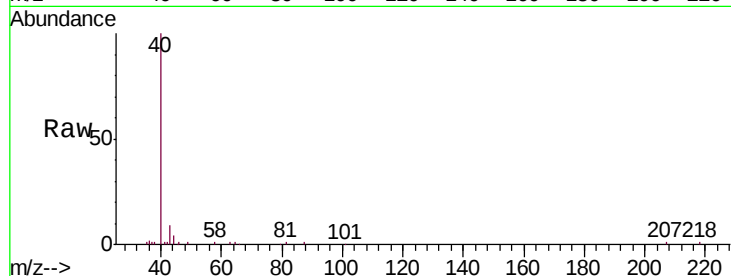
BF0H3

Tgt Ion: 43 Resp: 3621

Ion Ratio Lower Upper

43 100

58 11.7 0.0 56.2



#22

cis-1,2-Dichloroethene

Concen: 4.977 ug/L

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009400.D

Acq: 23 Mar 2019 20:16

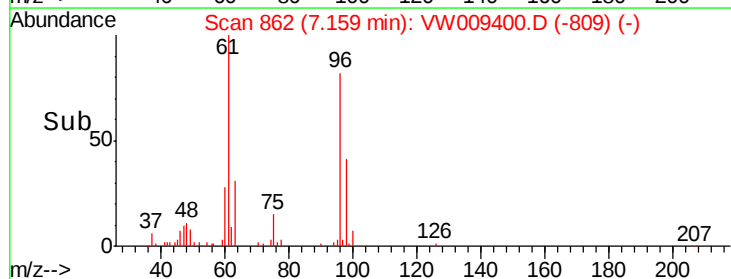
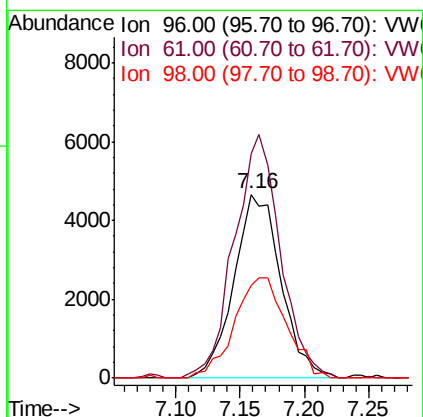
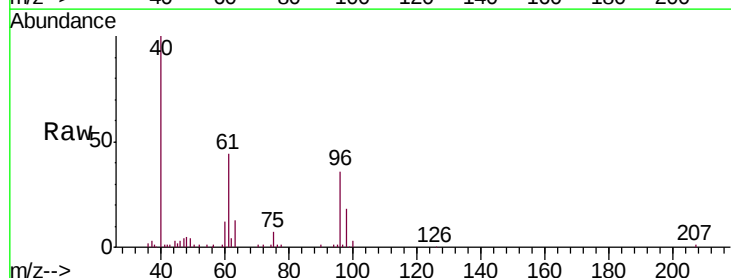
Tgt Ion: 96 Resp: 11782

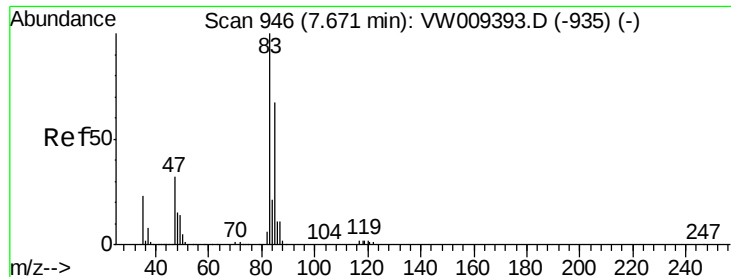
Ion Ratio Lower Upper

96 100

61 121.8 90.6 168.3

98 50.3 44.0 81.8





#25

Chloroform

Concen: 0.884 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW009400.D

Acq: 23 Mar 2019 20:16

Instrument :

MSVOA_W

ClientSampleId :

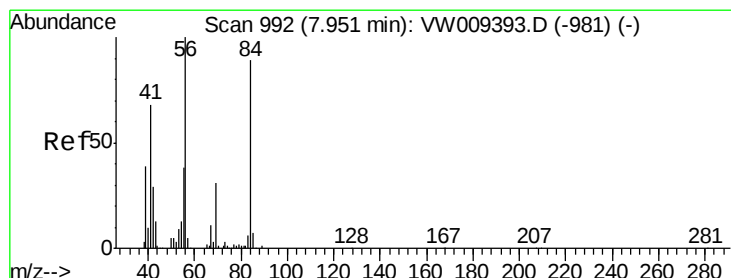
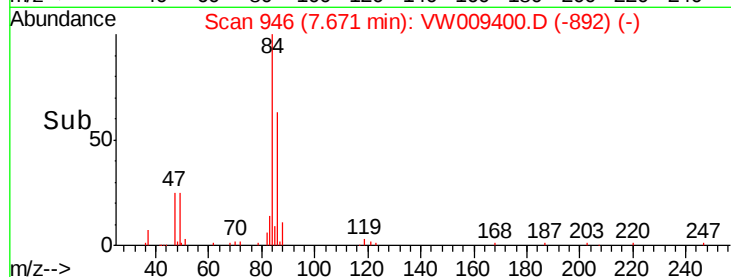
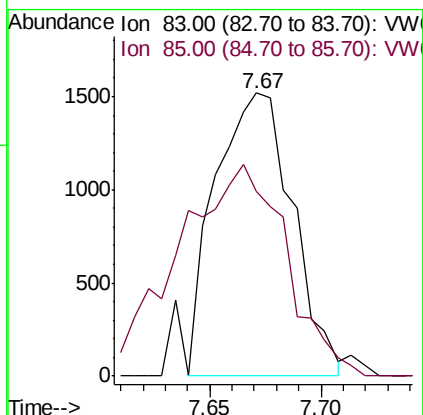
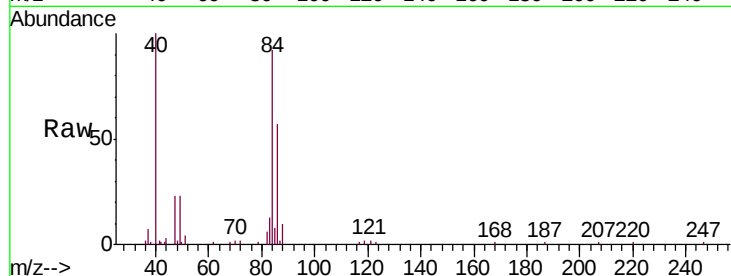
BF0H3

Tgt Ion: 83 Resp: 3690

Ion Ratio Lower Upper

83 100

85 67.3 46.0 85.4



#30

Cyclohexane

Concen: 0.319 ug/L

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW009400.D

Acq: 23 Mar 2019 20:16

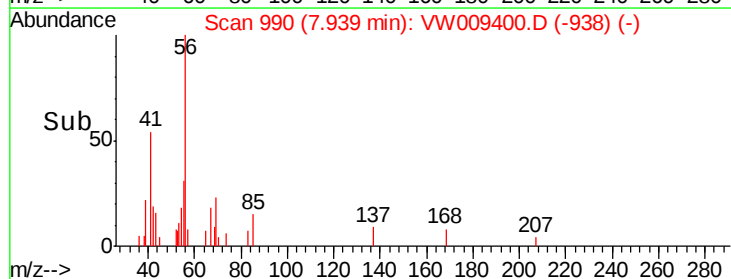
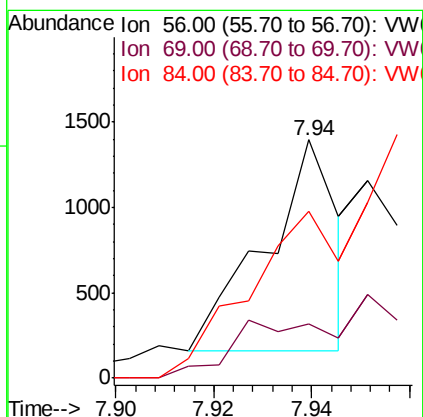
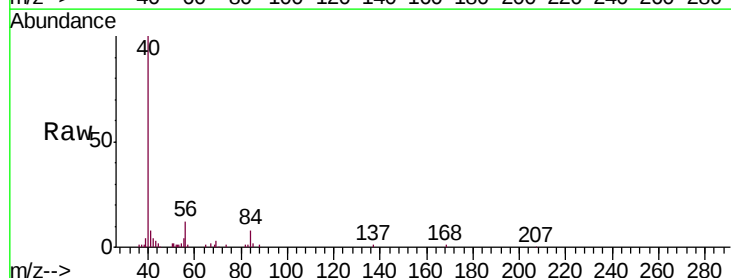
Tgt Ion: 56 Resp: 1272

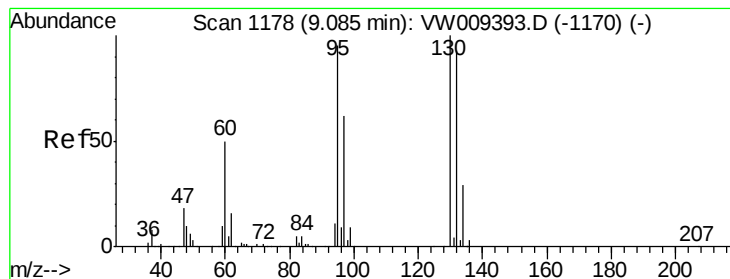
Ion Ratio Lower Upper

56 100

69 37.7 24.0 36.0#

84 98.6 69.2 103.8





#35

Trichloroethene

Concen: 1.429 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW009400.D

Acq: 23 Mar 2019 20:16

Instrument :

MSVOA_W

ClientSampleId :

BF0H3

Tgt Ion: 95 Resp: 3658

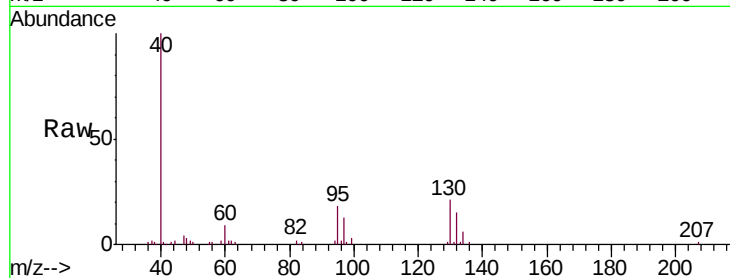
Ion Ratio Lower Upper

95 100

97 75.8 44.7 82.9

132 115.1 69.0 128.2

130 120.1 72.7 134.9

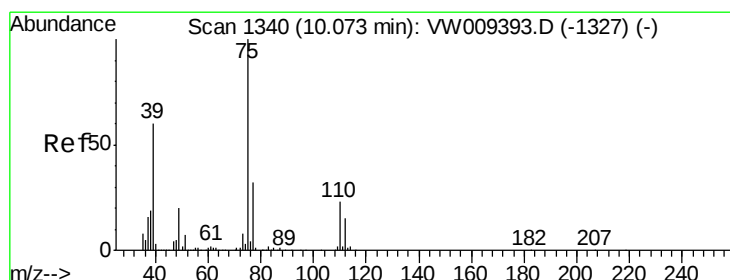
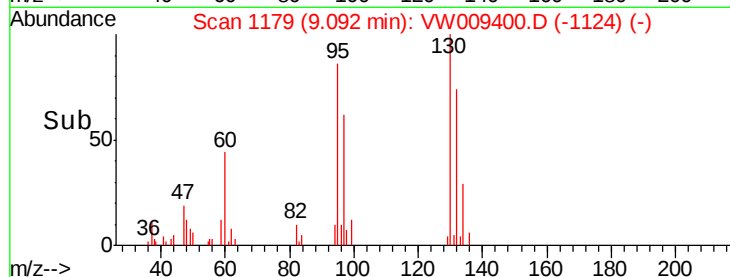
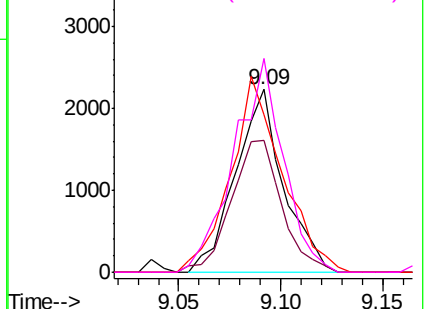


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#42

cis-1,3-Dichloropropene

Concen: 0.641 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009400.D

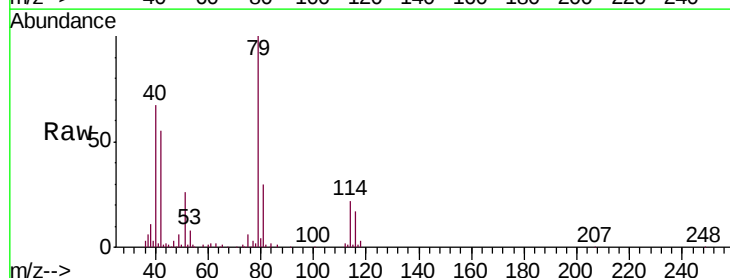
Acq: 23 Mar 2019 20:16

Tgt Ion: 75 Resp: 2574

Ion Ratio Lower Upper

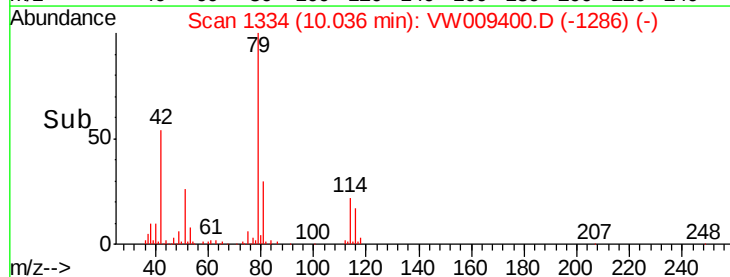
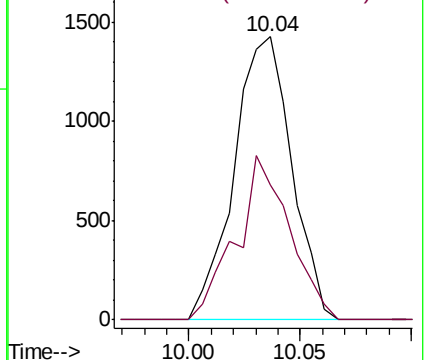
75 100

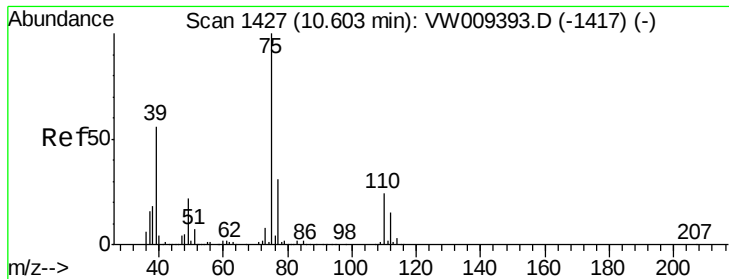
77 47.7 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.294 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW009400.D

Acq: 23 Mar 2019 20:16

Instrument :

MSVOA_W

ClientSampled :

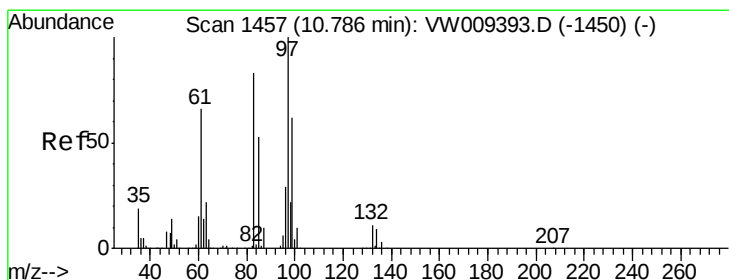
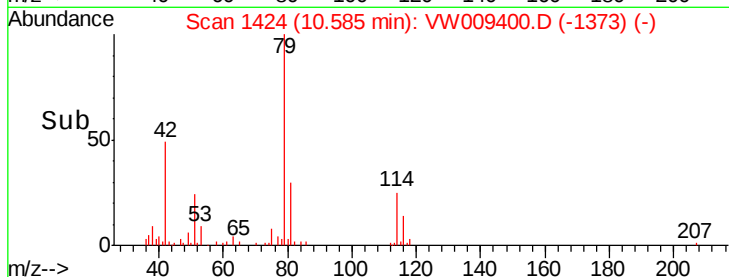
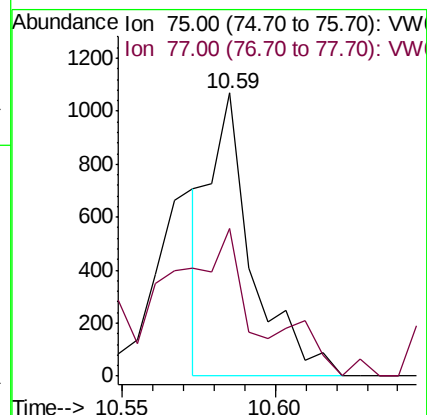
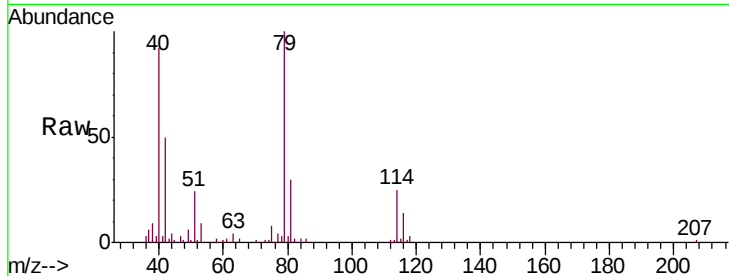
BF0H3

Tgt Ion: 75 Resp: 1028

Ion Ratio Lower Upper

75 100

77 52.2 22.5 41.7#



#46

1,1,2-Trichloroethane

Concen: 11.122 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.07 min

Lab File: VW009400.D

Acq: 23 Mar 2019 20:16

Tgt Ion: 97 Resp: 21868

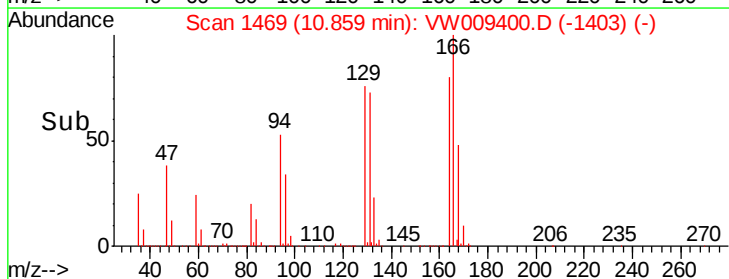
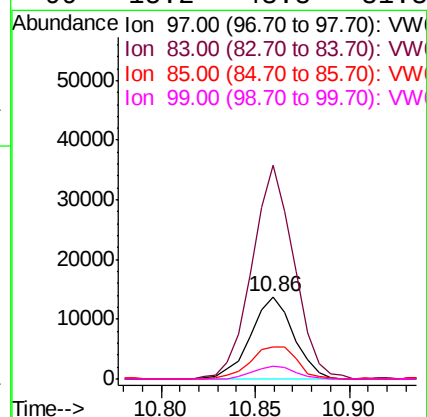
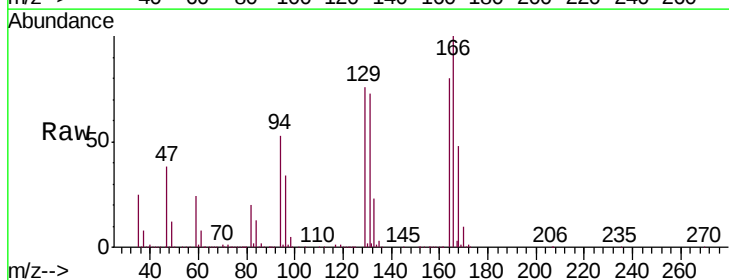
Ion Ratio Lower Upper

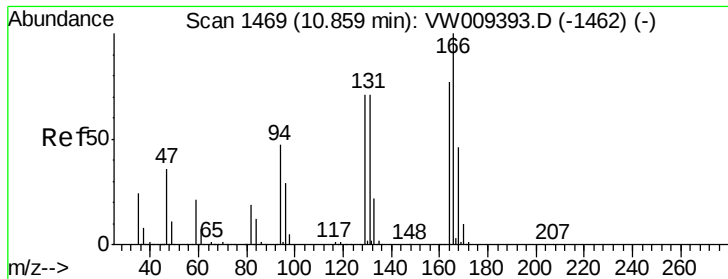
97 100

83 260.4 60.7 112.7#

85 38.6 40.1 74.5#

99 15.2 43.8 81.3#





#47

Tetrachloroethene

Concen: 1073.627 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009400.D

Acq: 23 Mar 2019 20:16

Instrument :

MSVOA_W

ClientSampleId :

BF0H3

Tgt Ion:164 Resp: 2321490

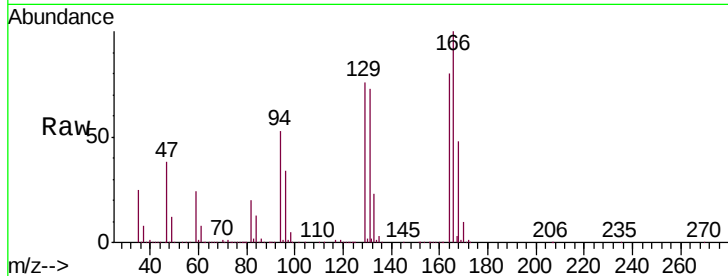
Ion Ratio Lower Upper

164 100

129 96.1 66.5 123.5

131 91.6 62.6 116.3

166 125.7 91.6 170.0

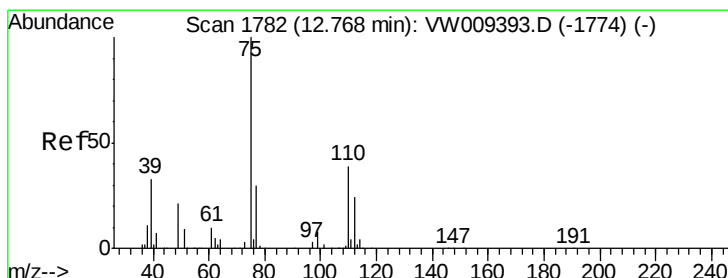
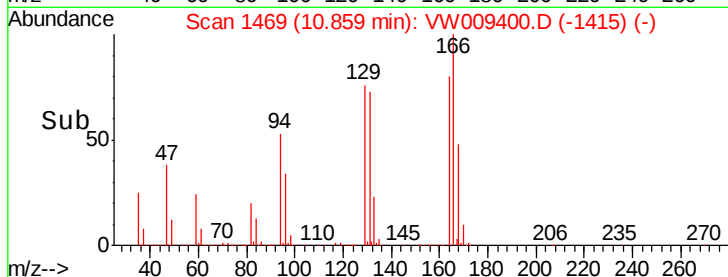
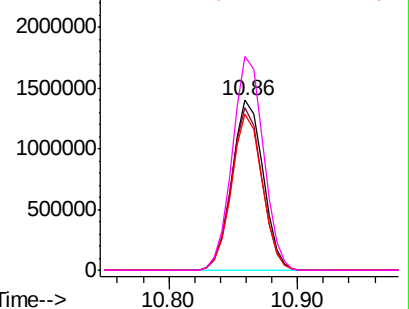


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.393 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW009400.D

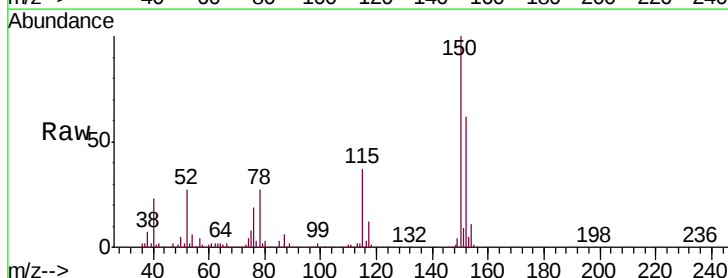
Acq: 23 Mar 2019 20:16

Tgt Ion: 75 Resp: 10615

Ion Ratio Lower Upper

75 100

77 38.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

