

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
 Data File : VW009778.D
 Acq On : 06 Apr 2019 17:46
 Operator : SY/VA
 Sample : K2277-20
 Misc : 5.82G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF2R4

Quant Time: Apr 07 04:01:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 07 03:56:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	807875	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	712440	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	263379	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	242918	22.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.92%
7) Chloroethane-d5	2.89	69	236710	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.76%
10) 1,1-Dichloroethene-d2	4.01	63	436093	19.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.72%
20) 2-Butanone-d5	7.07	46	183282	53.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.80%
24) Chloroform-d	7.64	84	592287	26.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.48%
26) 1,2-Dichloroethane-d4	8.30	65	371657	27.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.84%
29) Benzene-d6	8.27	84	1110079	29.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.72%
33) 1,2-Dichloropropane-d6	9.27	67	345507	29.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.64%
37) Toluene-d8	10.32	98	984643	28.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.88%
38) trans-1,3-Dichloropropene-	10.57	79	155005	28.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	112.52%
39) 2-Hexanone-d5	10.93	63	129820	59.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	288840	26.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	272676	29.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	118.00%

Target Compounds

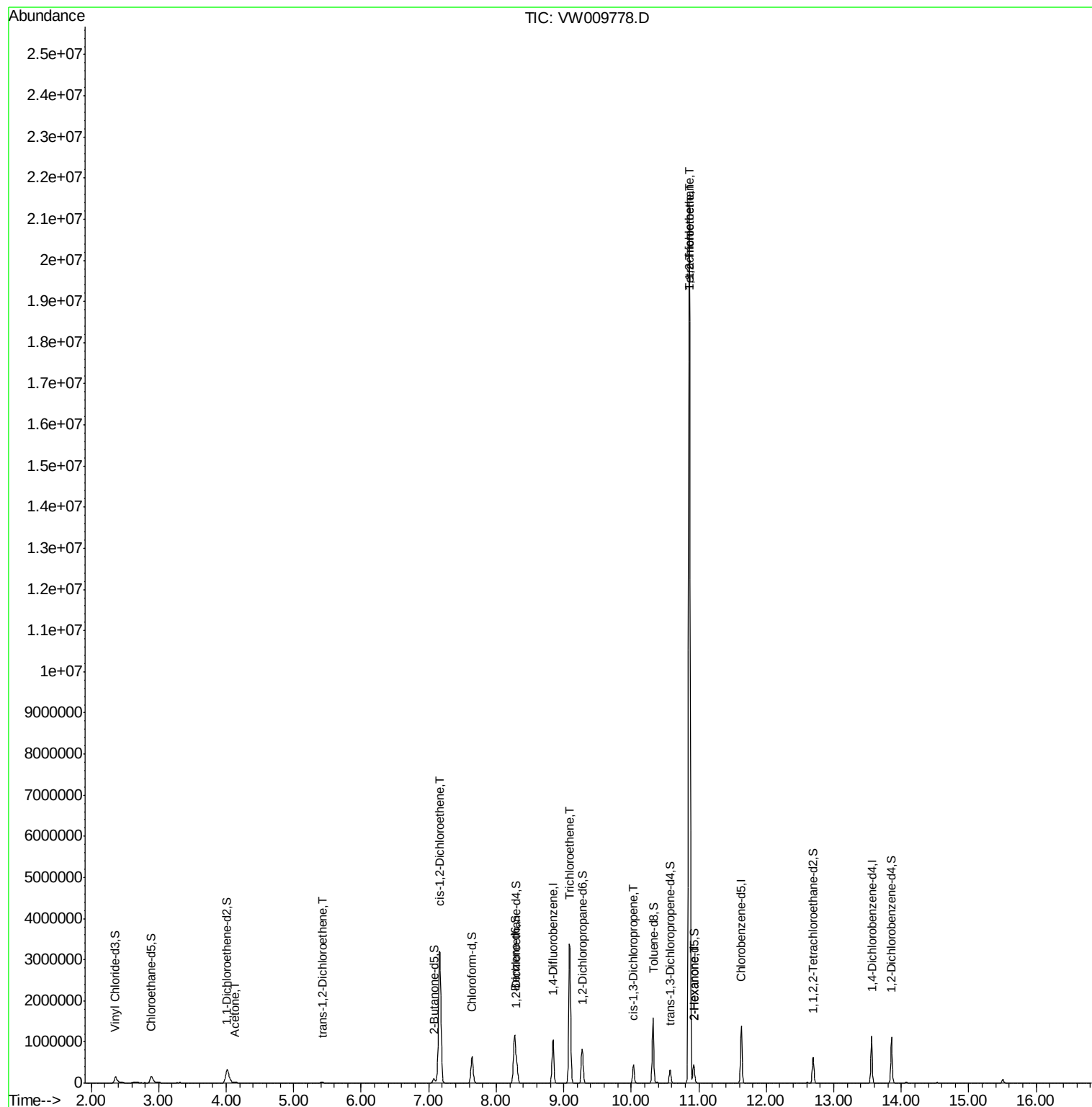
					Qvalue
13) Acetone	4.12	43	45073	12.256 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	10512	0.942 ug/L	88
22) cis-1,2-Dichloroethene	7.17	96	1726351	144.644 ug/L	99
35) Trichloroethene	9.09	95	1085662	96.781 ug/L	99
42) cis-1,3-Dichloropropene	10.04	75	12235	0.720 ug/L #	64
46) 1,1,2-Trichloroethane	10.86	97	40464	4.913 ug/L #	1
47) Tetrachloroethene	10.86	164	4099617	464.022 ug/L	98
49) 2-Hexanone	10.93	43	21408	3.373 ug/L #	79

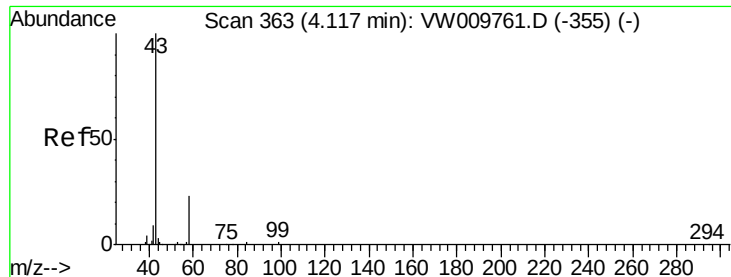
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sun Apr 07 03:56:20 2019
Response via : Initial Calibration





#13

Acetone

Concen: 12.256 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW009778.D

Acq: 06 Apr 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

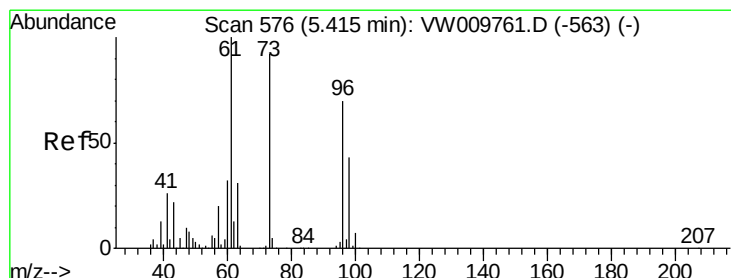
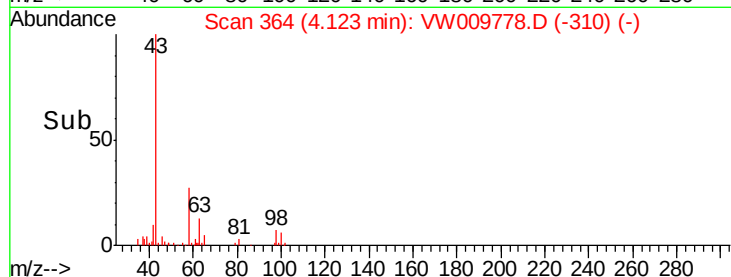
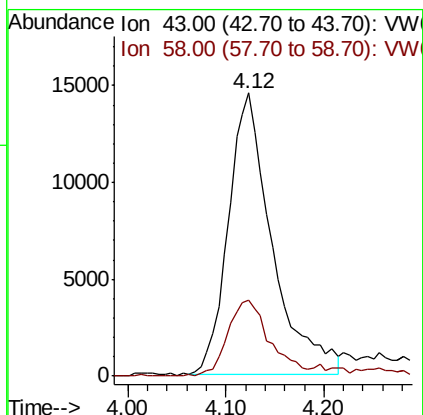
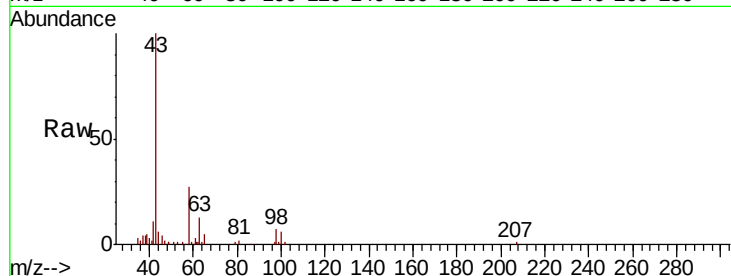
BF2R4

Tgt Ion: 43 Resp: 45073

Ion Ratio Lower Upper

43 100

58 26.2 0.0 53.0



#18

trans-1,2-Dichloroethene

Concen: 0.942 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW009778.D

Acq: 06 Apr 2019 17:46

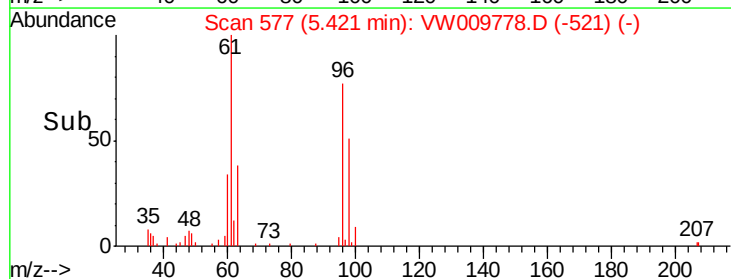
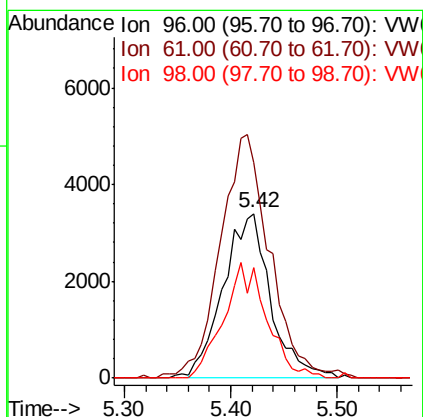
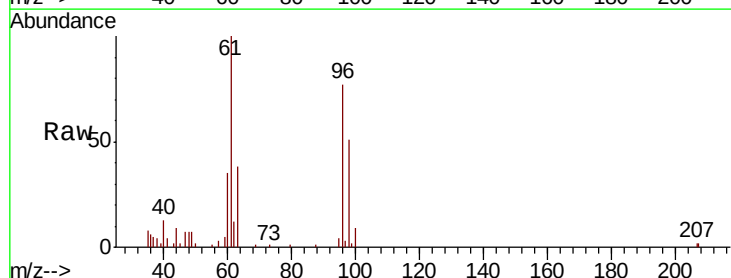
Tgt Ion: 96 Resp: 10512

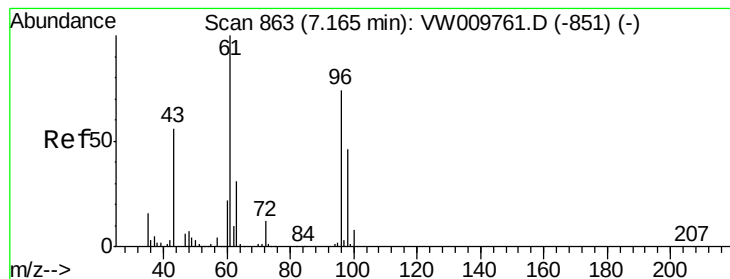
Ion Ratio Lower Upper

96 100

61 130.7 103.7 192.5

98 67.1 43.7 81.1



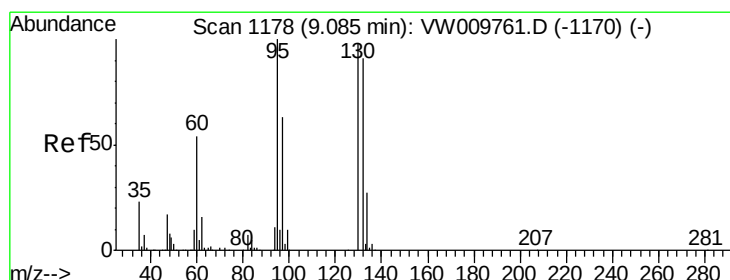
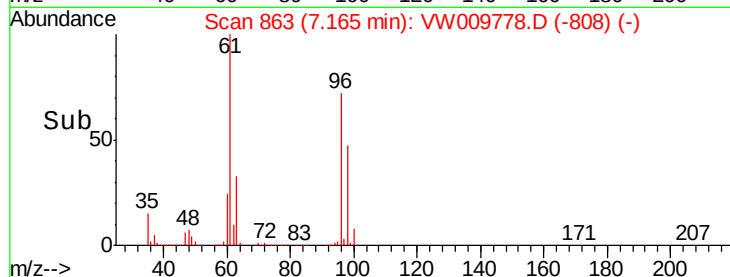
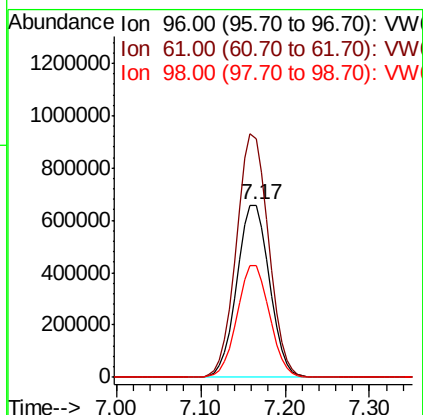
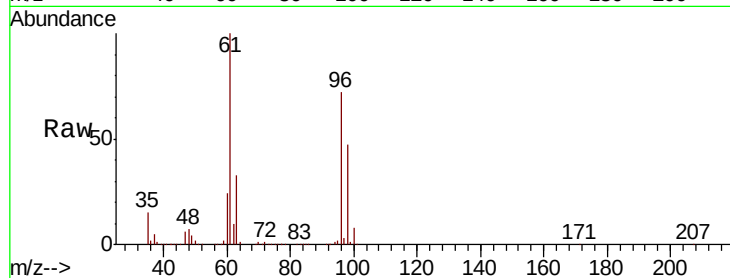


#22

cis-1,2-Dichloroethene
 Concen: 144.644 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW009778.D
 Acq: 06 Apr 2019 17:46

Instrument :
 MSVOA_W
 ClientSampleId :
 BF2R4

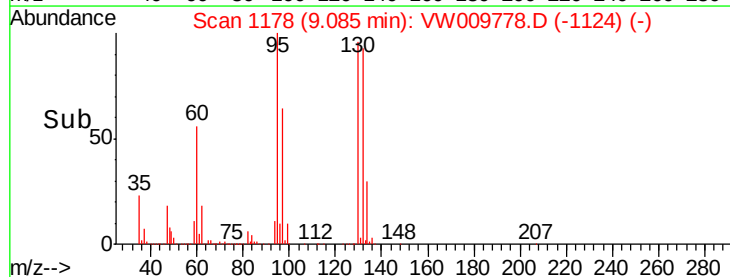
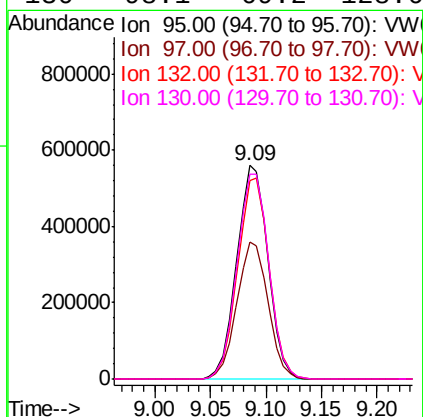
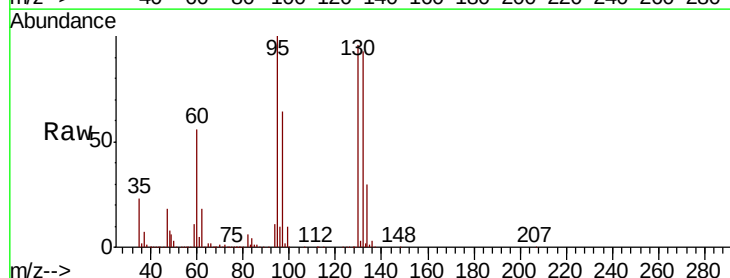
Tgt Ion: 96 Resp: 1726351
 Ion Ratio Lower Upper
 96 100
 61 138.1 96.8 179.8
 98 64.9 43.5 80.9

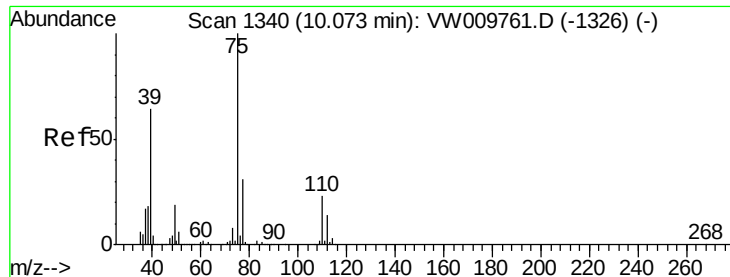


#35

Trichloroethene
 Concen: 96.781 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW009778.D
 Acq: 06 Apr 2019 17:46

Tgt Ion: 95 Resp: 1085662
 Ion Ratio Lower Upper
 95 100
 97 64.1 44.9 83.5
 132 95.1 67.1 124.7
 130 98.1 69.2 128.6





#42

cis-1,3-Dichloropropene

Concen: 0.720 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009778.D

Acq: 06 Apr 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

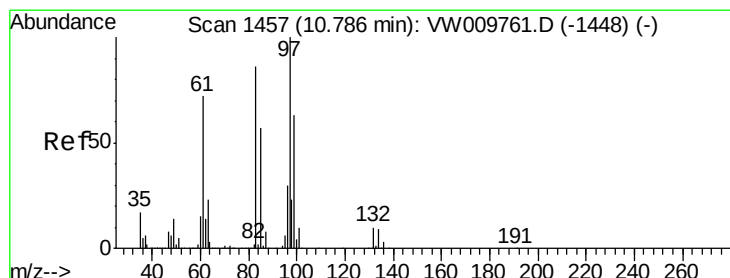
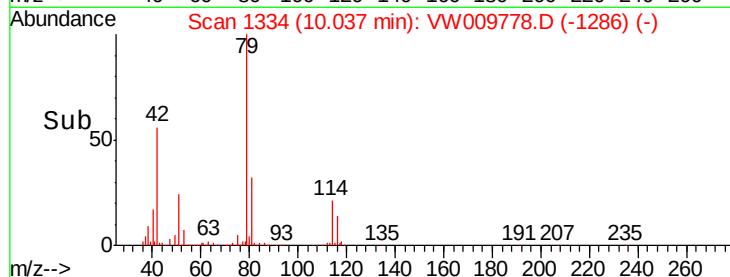
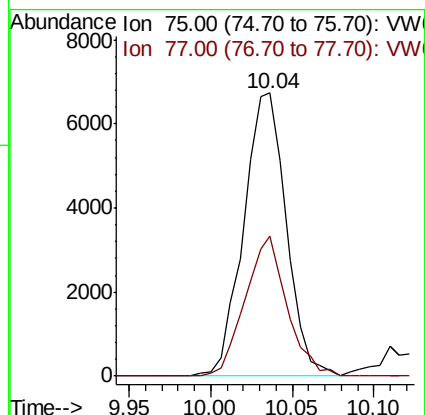
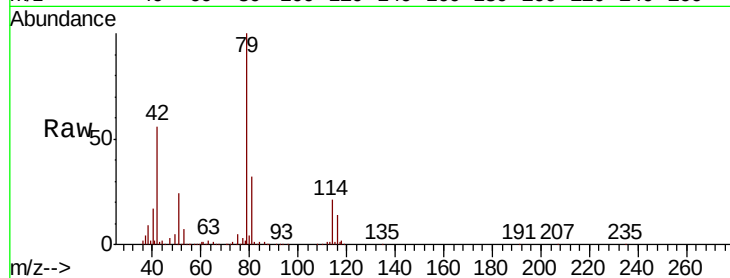
BF2R4

Tgt Ion: 75 Resp: 12235

Ion Ratio Lower Upper

75 100

77 49.4 21.0 39.0#



#46

1,1,2-Trichloroethane

Concen: 4.913 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.07 min

Lab File: VW009778.D

Acq: 06 Apr 2019 17:46

Tgt Ion: 97 Resp: 40464

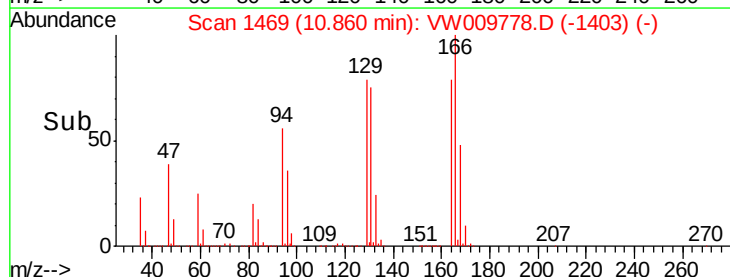
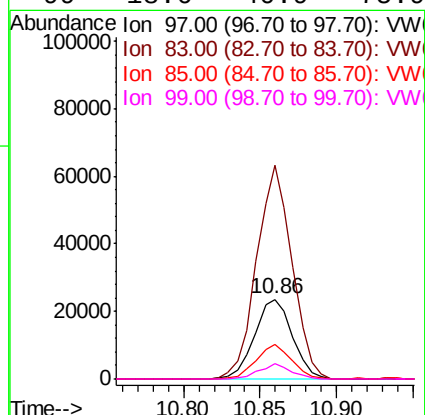
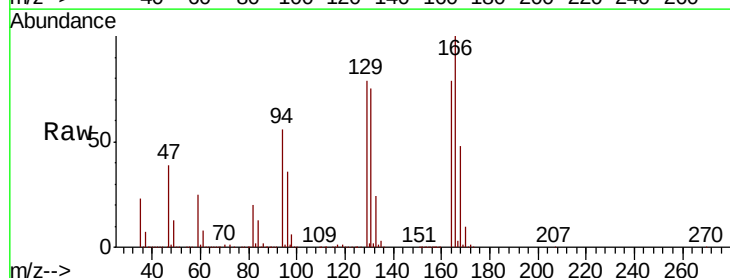
Ion Ratio Lower Upper

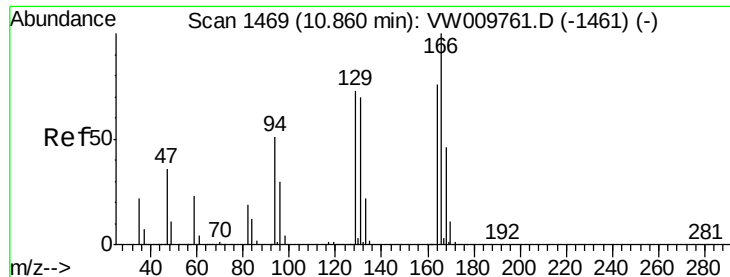
97 100

83 268.6 57.3 106.3#

85 43.2 38.1 70.7

99 18.6 40.9 75.9#





#47

Tetrachloroethene

Concen: 464.022 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009778.D

Acq: 06 Apr 2019 17:46

Instrument :

MSVOA_W

ClientSampleId :

BF2R4

Tgt Ion:164 Resp: 4099617

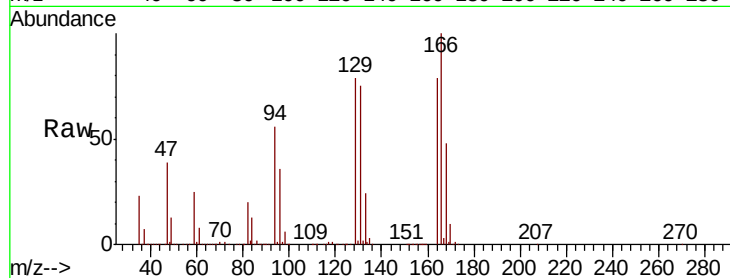
Ion Ratio Lower Upper

164 100

129 99.1 68.9 127.9

131 95.2 63.1 117.1

166 126.1 88.5 164.4

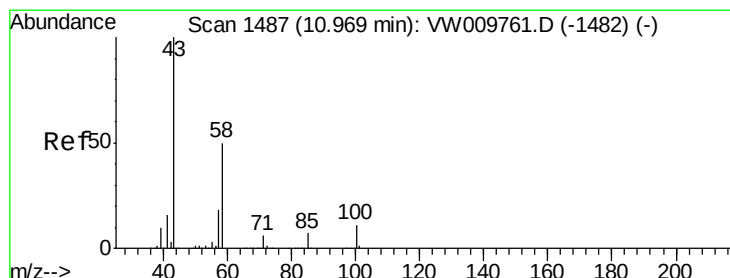
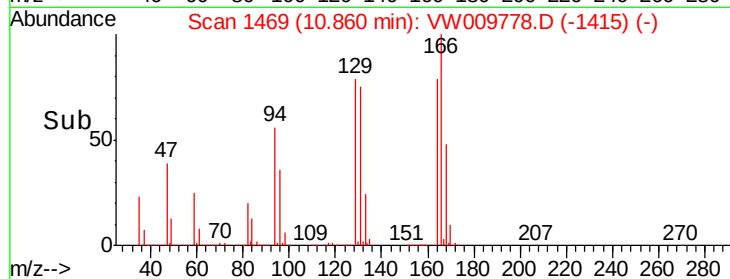
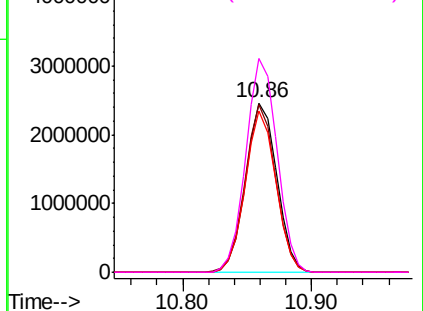


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 3.373 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009778.D

Acq: 06 Apr 2019 17:46

Tgt Ion: 43 Resp: 21408

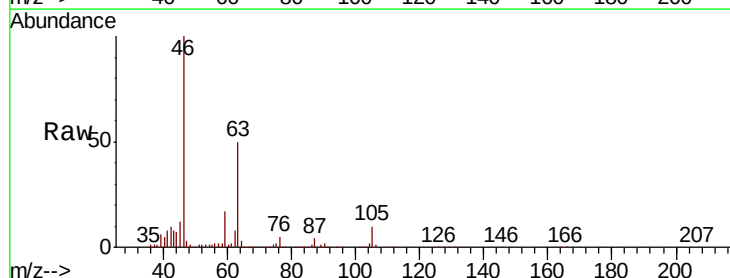
Ion Ratio Lower Upper

43 100

58 34.0 38.9 58.3#

57 23.4 13.8 20.6#

100 0.0 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV

