

Data File : VV010962.D
Acq On : 20 May 2019 16:37
Operator : SY/MD
Sample : K2788-15
Misc : 6.51G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51A6

Quant Time: May 21 04:06:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Tue May 21 04:03:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	149664	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	147003	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61855	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37719	22.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.44%
7) Chloroethane-d5	1.57	69	24974	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.48%
10) 1,1-Dichloroethene-d2	2.12	63	51528	15.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.84%
20) 2-Butanone-d5	3.94	46	27557	46.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.62%
24) Chloroform-d	4.40	84	77565	20.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.04%
26) 1,2-Dichloroethane-d4	5.08	65	43712	19.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.52%
29) Benzene-d6	5.09	84	167213	20.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.36%
33) 1,2-Dichloropropane-d6	6.12	67	49997	19.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	78.44%
37) Toluene-d8	7.36	98	152090	20.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.56%
38) trans-1,3-Dichloropropene-	7.66	79	21225	20.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.08%
39) 2-Hexanone-d5	8.13	63	21460	45.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.24%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	50271	19.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.00%
61) 1,2-Dichlorobenzene-d4	11.67	152	49704	19.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.16%

Target Compounds

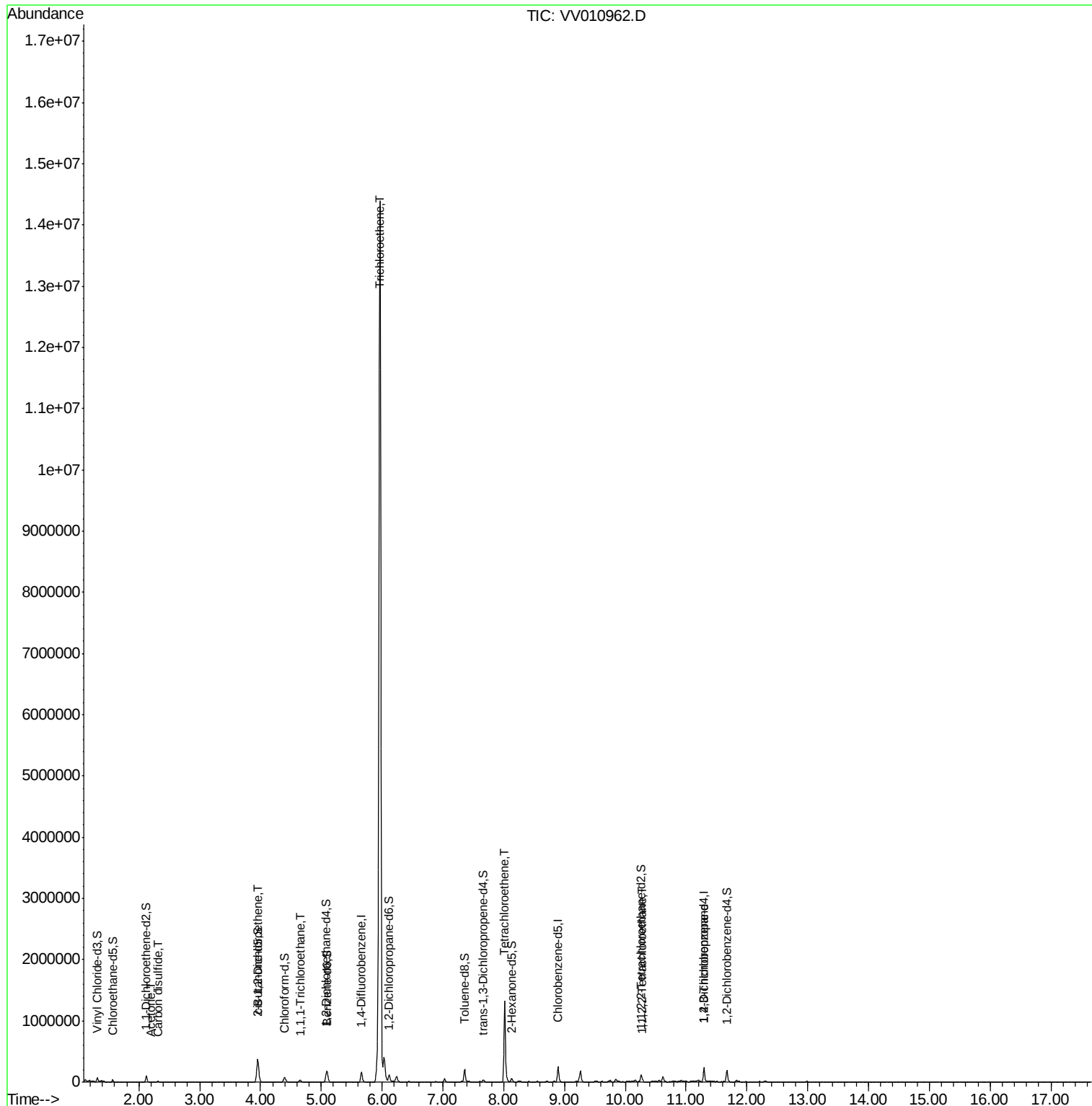
						Qvalue
13) Acetone	2.19	43	5955	10.489	ug/L	100
14) Carbon disulfide	2.31	76	18090	4.090	ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	211373	87.132	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	20950	6.335	ug/L	99
35) Trichloroethene	5.96	95	5527112	2360.612	ug/L	98
47) Tetrachloroethene	8.02	164	308491	168.791	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	1852	0.741	ug/L #	45
59) 1,2,3-Trichloropropane	11.29	75	7480	4.075	ug/L #	89

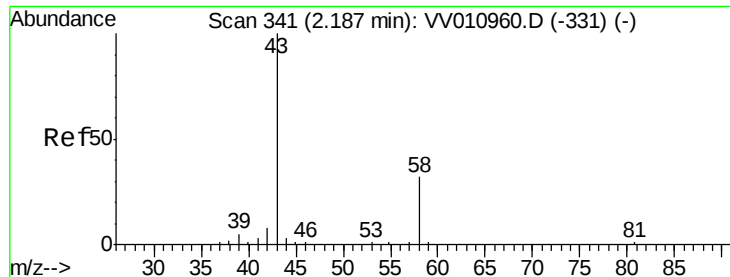
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 10.489 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV010962.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_V

ClientSampled :

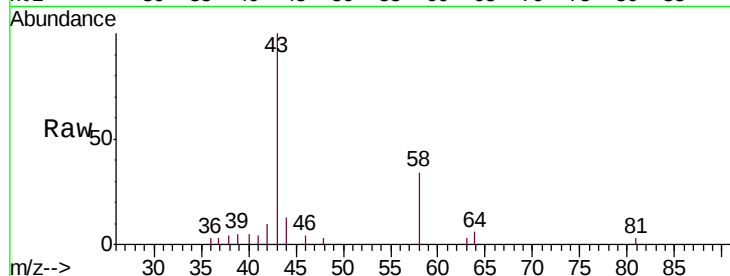
A51A6

Tgt Ion: 43 Resp: 5955

Ion Ratio Lower Upper

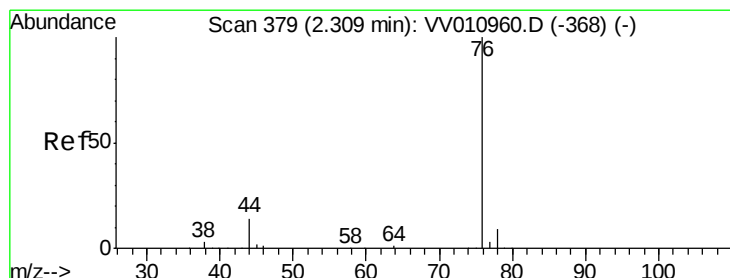
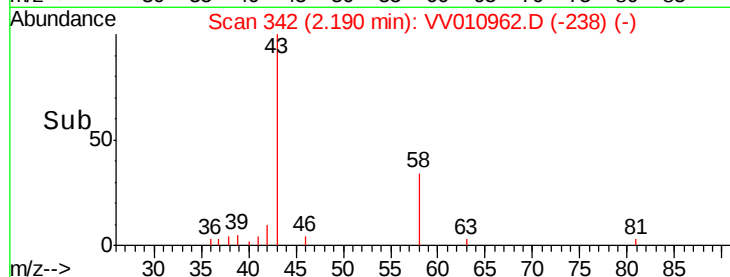
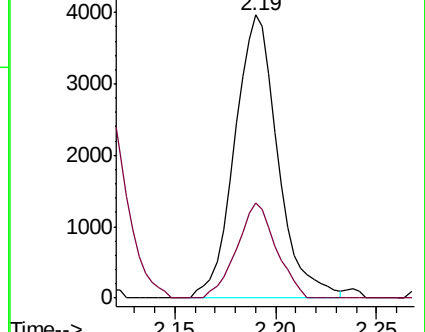
43 100

58 30.5 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV010960.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010960.D (-331) (-)



#14

Carbon disulfide

Concen: 4.090 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV010962.D

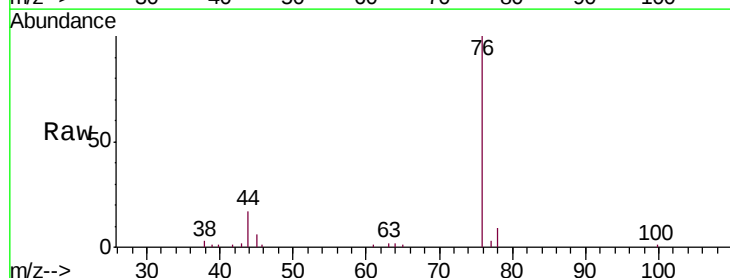
Acq: 20 May 2019 16:37

Tgt Ion: 76 Resp: 18090

Ion Ratio Lower Upper

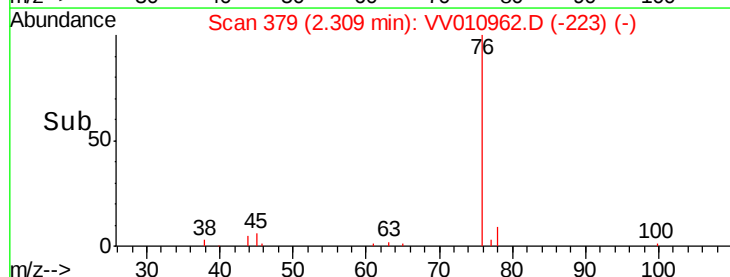
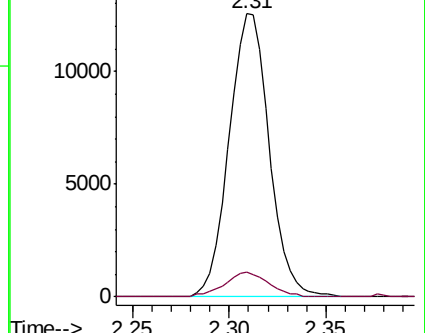
76 100

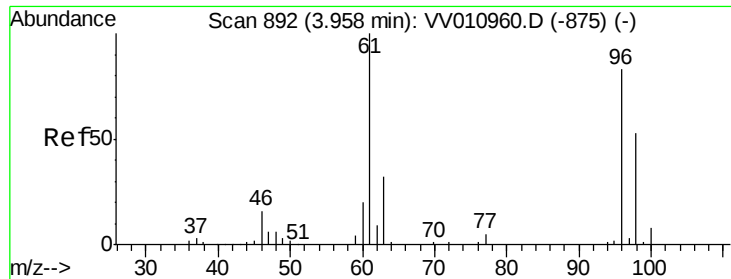
78 8.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV010960.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV010960.D (-368) (-)



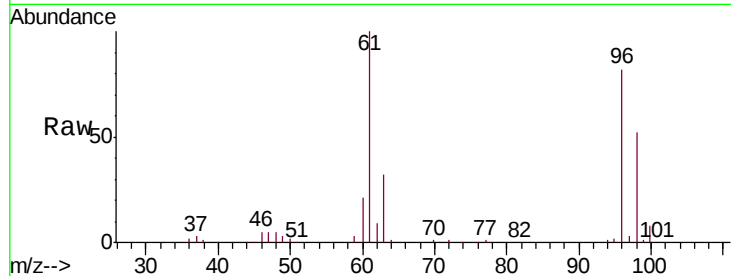


#22

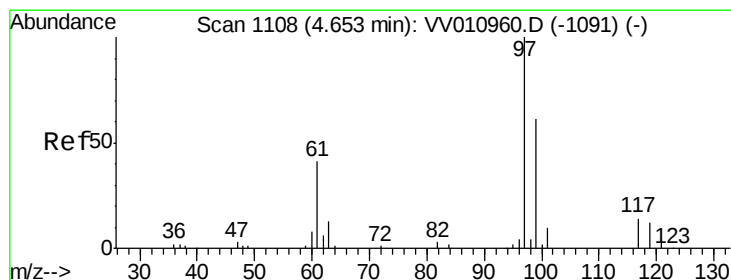
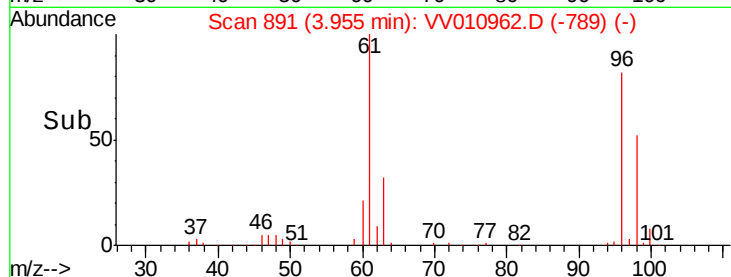
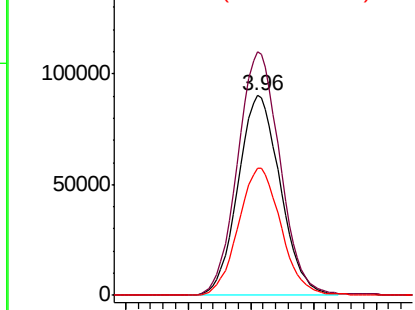
cis-1,2-Dichloroethene
 Concen: 87.132 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV010962.D
 Acq: 20 May 2019 16:37

Instrument :
 MSVOA_V
 ClientSampled :
 A51A6

Tgt Ion: 96 Resp: 211373
 Ion Ratio Lower Upper
 96 100
 61 122.0 85.4 158.6
 98 63.7 45.1 83.7



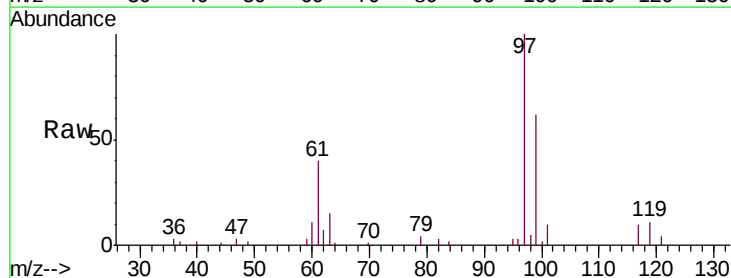
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



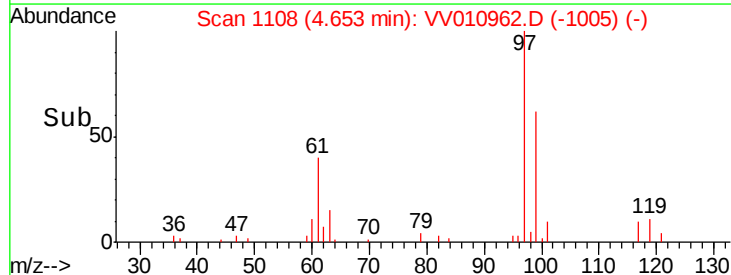
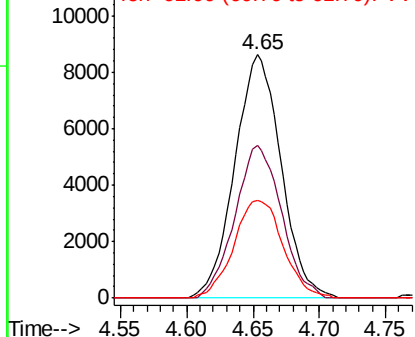
#31

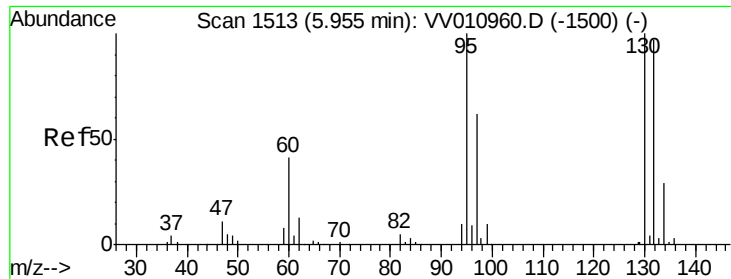
1,1,1-Trichloroethane
 Concen: 6.335 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV010962.D
 Acq: 20 May 2019 16:37

Tgt Ion: 97 Resp: 20950
 Ion Ratio Lower Upper
 97 100
 99 62.9 51.0 76.4
 61 42.9 33.9 50.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0





#35

Trichloroethene

Concen: 2360.612 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV010962.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_V

ClientSampleId :

A51A6

Tgt Ion: 95 Resp: 5527112

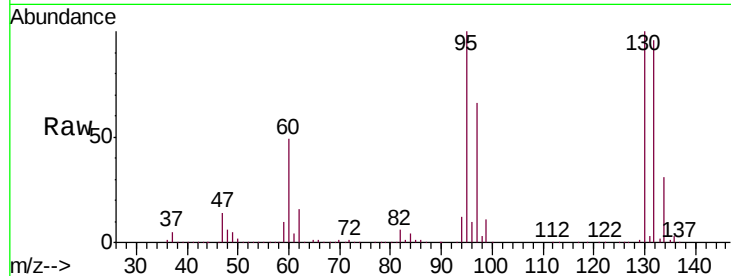
Ion Ratio Lower Upper

95 100

97 66.3 43.4 80.6

132 97.4 68.8 127.8

130 101.5 69.9 129.9



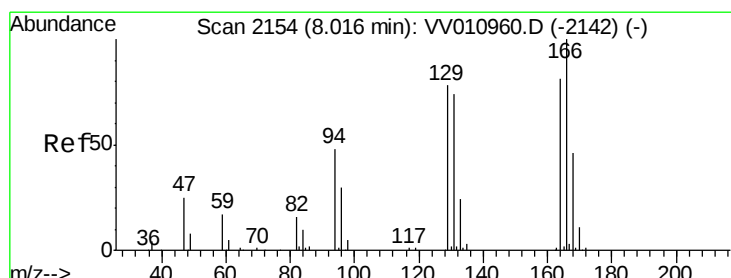
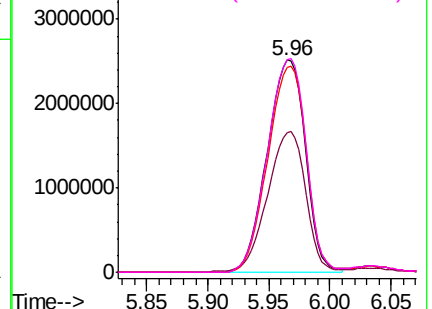
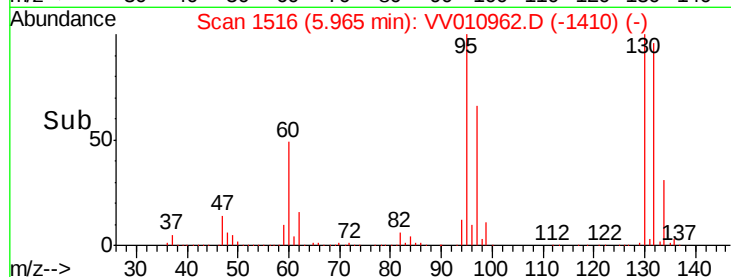
Abundance

Ion 95.00 (94.70 to 95.70): VV010962.D (-1410) (-)

Ion 97.00 (96.70 to 97.70): VV010962.D (-1410) (-)

Ion 132.00 (131.70 to 132.70): VV010962.D (-1410) (-)

Ion 130.00 (129.70 to 130.70): VV010962.D (-1410) (-)



#47

Tetrachloroethene

Concen: 168.791 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV010962.D

Acq: 20 May 2019 16:37

Tgt Ion: 164 Resp: 308491

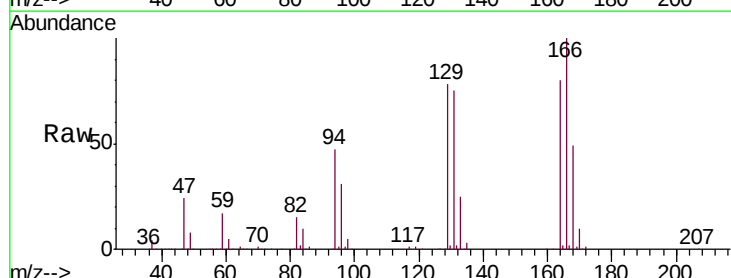
Ion Ratio Lower Upper

164 100

129 98.5 67.8 125.8

131 94.5 64.1 119.1

166 125.5 86.1 159.9



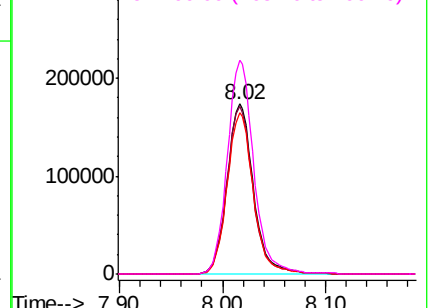
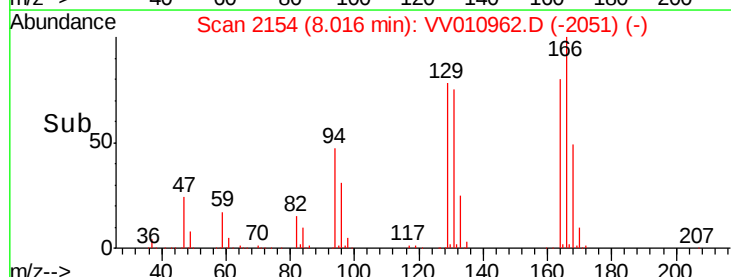
Abundance

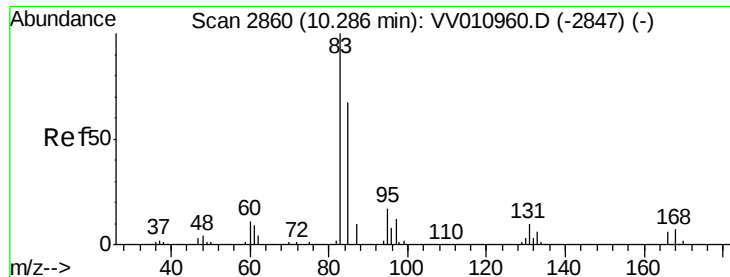
Ion 164.00 (163.70 to 164.70): VV010962.D (-2051) (-)

Ion 129.00 (128.70 to 129.70): VV010962.D (-2051) (-)

Ion 131.00 (130.70 to 131.70): VV010962.D (-2051) (-)

Ion 166.00 (165.70 to 166.70): VV010962.D (-2051) (-)





#58

1,1,2,2-Tetrachloroethane

Concen: 0.741 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010962.D

Acq: 20 May 2019 16:37

Instrument :

MSVOA_V

ClientSampled :

A51A6

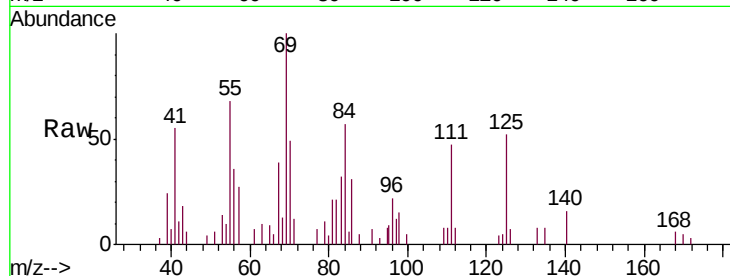
Tgt Ion: 83 Resp: 1852

Ion Ratio Lower Upper

83 100

85 17.5 44.4 82.5#

131 0.0 8.2 12.4#

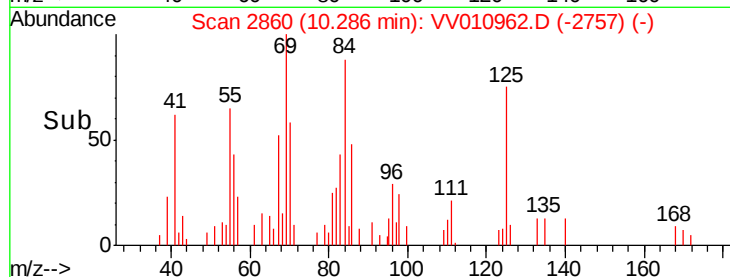


Abundance Ion 83.00 (82.70 to 83.70): VV010960.D (-2847) (-)

Ion 85.00 (84.70 to 85.70): VV010960.D (-2847) (-)

Ion 131.00 (130.70 to 131.70): VV010960.D (-2847) (-)

Time-->

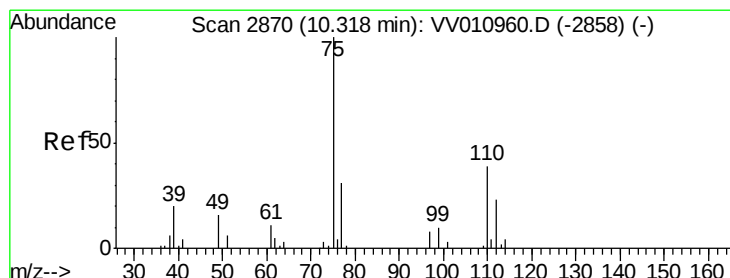


Abundance Ion 83.00 (82.70 to 83.70): VV010962.D (-2757) (-)

Ion 85.00 (84.70 to 85.70): VV010962.D (-2757) (-)

Ion 131.00 (130.70 to 131.70): VV010962.D (-2757) (-)

Time-->



#59

1,2,3-Trichloropropane

Concen: 4.075 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV010962.D

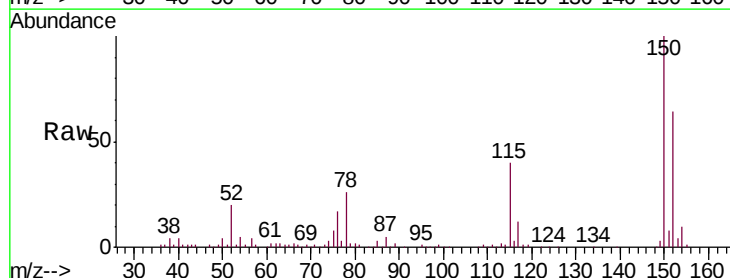
Acq: 20 May 2019 16:37

Tgt Ion: 75 Resp: 7480

Ion Ratio Lower Upper

75 100

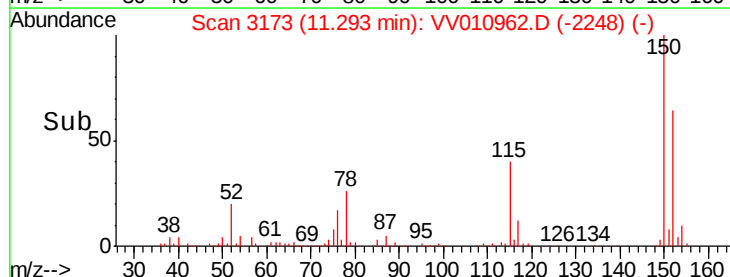
77 38.2 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VV010960.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV010960.D (-2858) (-)

Time-->



Abundance Ion 75.00 (74.70 to 75.70): VV010962.D (-2248) (-)

Ion 77.00 (76.70 to 77.70): VV010962.D (-2248) (-)

Time-->