

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040619\
 Data File : VV010157.D
 Acq On : 06 Apr 2019 16:54
 Operator : SY/MD
 Sample : K2259-23
 Misc : 5.00G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETJ49

Quant Time: Apr 07 00:53:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 07 00:49:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	225109	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	225938	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	93663	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34790	11.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	46.16%
7) Chloroethane-d5	1.57	69	59428	15.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.52%
10) 1,1-Dichloroethene-d2	2.13	63	84038	11.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	44.20%#
20) 2-Butanone-d5	3.94	46	45243	52.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.52%
24) Chloroform-d	4.40	84	139888	24.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.68%
26) 1,2-Dichloroethane-d4	5.08	65	95194	30.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	120.00%
29) Benzene-d6	5.10	84	271550	23.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.72%
33) 1,2-Dichloropropane-d6	6.12	67	92736	26.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.28%
37) Toluene-d8	7.36	98	248386	22.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.00%
38) trans-1,3-Dichloropropene-	7.67	79	31476	21.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.16%
39) 2-Hexanone-d5	8.13	63	31919	46.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.06%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	88911	26.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	92415	25.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.32%

Target Compounds

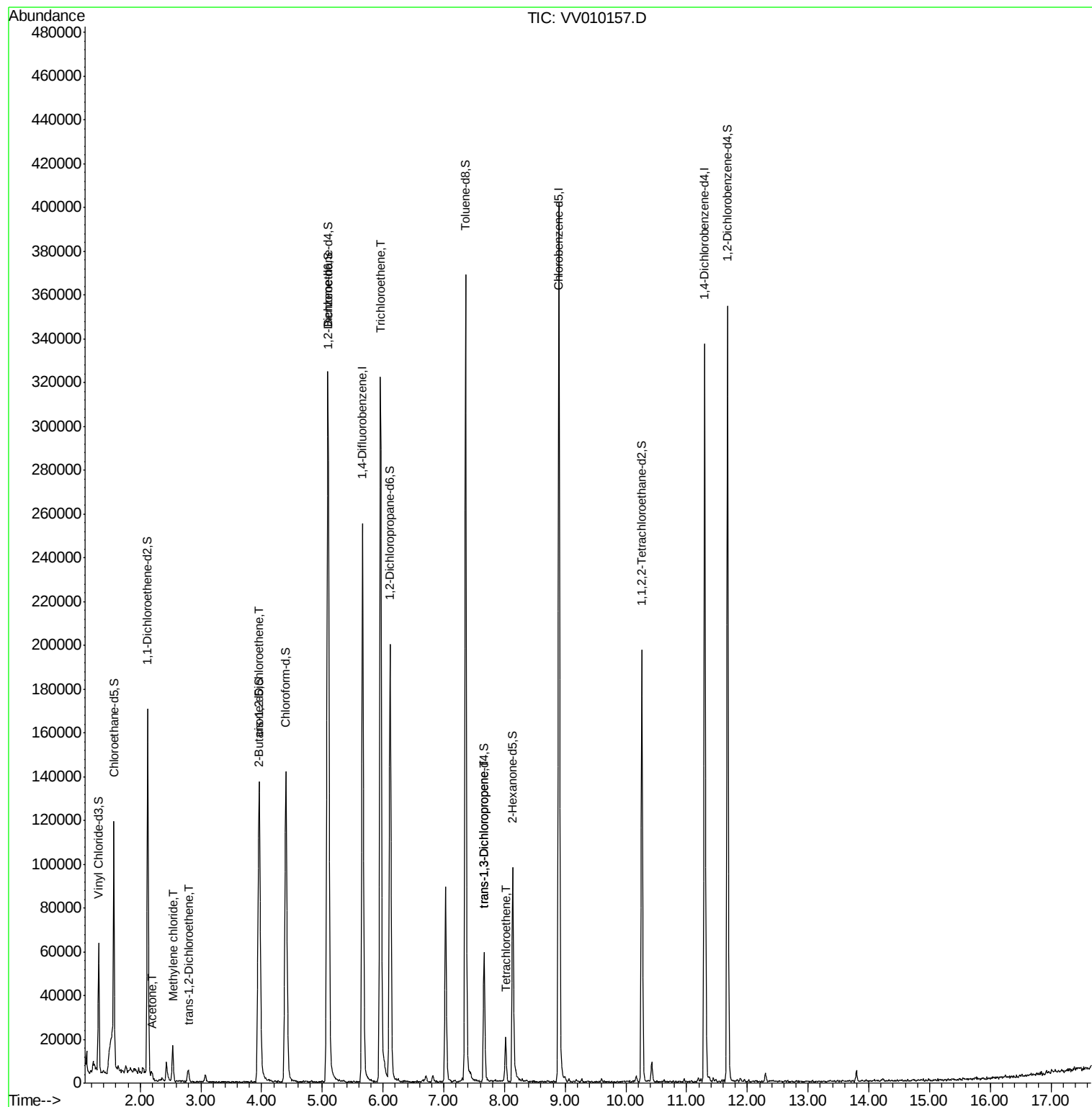
					Qvalue
13) Acetone	2.20	43	2451	2.891 ug/L	73
16) Methylene chloride	2.53	84	6990	1.767 ug/L	89
18) trans-1,2-Dichloroethene	2.79	96	2459	0.915 ug/L	78
22) cis-1,2-Dichloroethene	3.96	96	69030	23.126 ug/L	99
35) Trichloroethene	5.96	95	101683	31.974 ug/L	98
45) trans-1,3-Dichloropropene	7.66	75	1760	0.512 ug/L	84
47) Tetrachloroethene	8.02	164	4115	1.546 ug/L	92

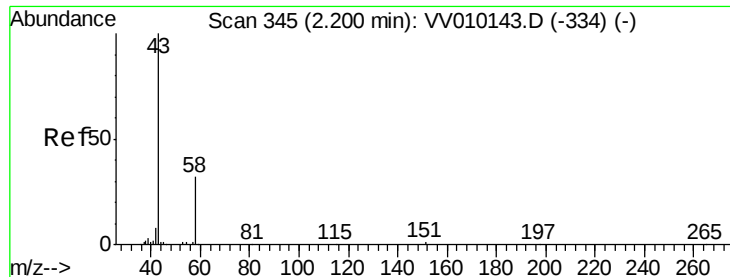
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Apr 07 00:49:32 2019
Response via : Initial Calibration





#13

Acetone

Concen: 2.891 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV010157.D

Acq: 06 Apr 2019 16:54

Instrument :

MSVOA_V

ClientSampleId :

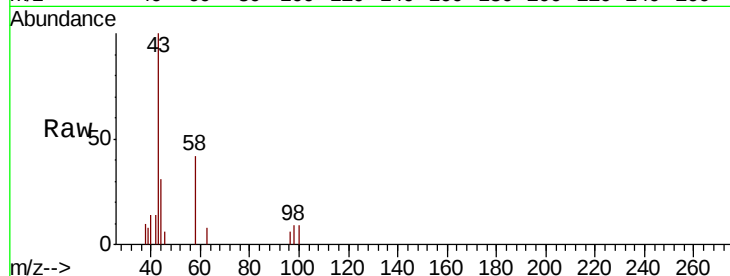
ETJ49

Tgt Ion: 43 Resp: 2451

Ion Ratio Lower Upper

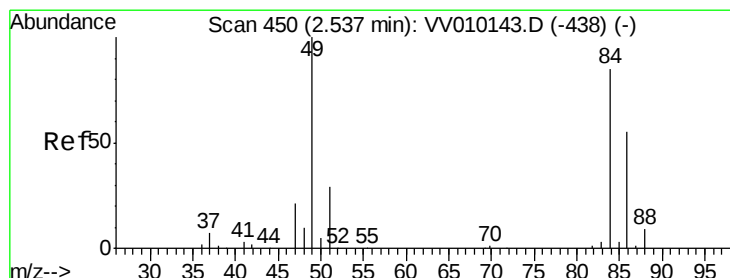
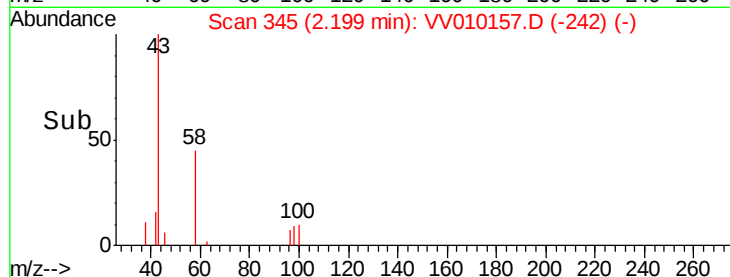
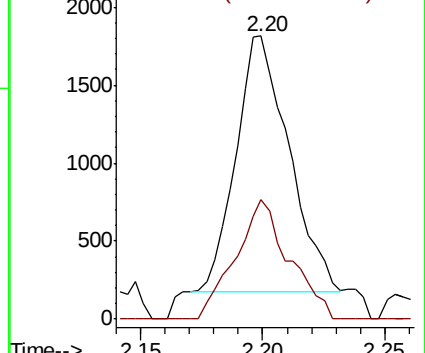
43 100

58 47.3 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010143.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV010143.D (-334) (-)



#16

Methylene chloride

Concen: 1.767 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV010157.D

Acq: 06 Apr 2019 16:54

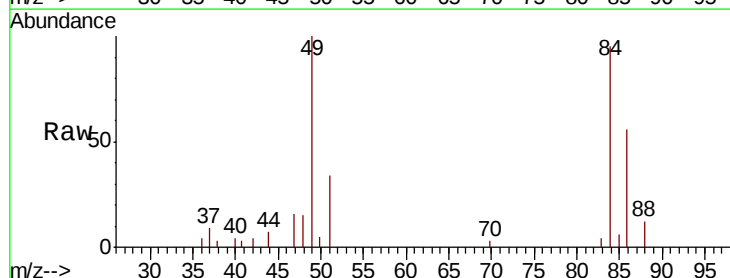
Tgt Ion: 84 Resp: 6990

Ion Ratio Lower Upper

84 100

49 105.7 84.3 156.5

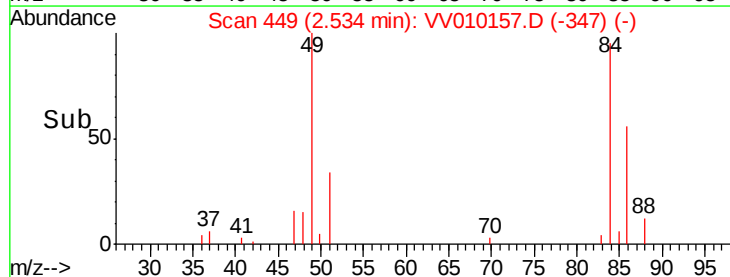
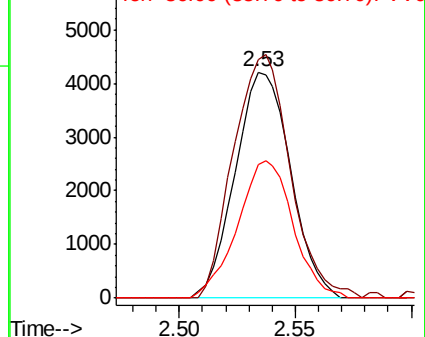
86 59.2 45.4 84.2

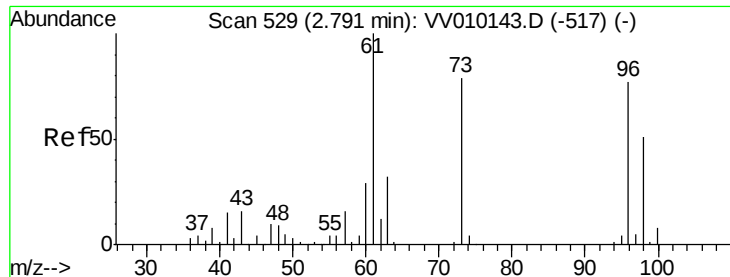


Abundance Ion 84.00 (83.70 to 84.70): VV010143.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV010143.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV010143.D (-438) (-)

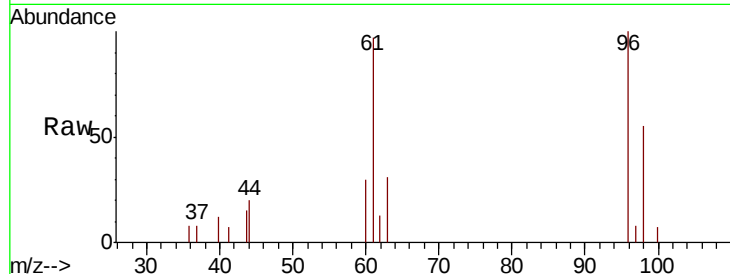




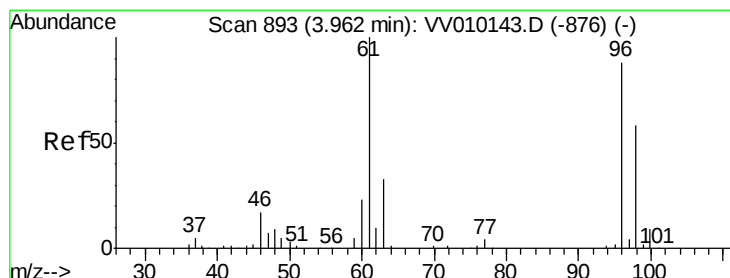
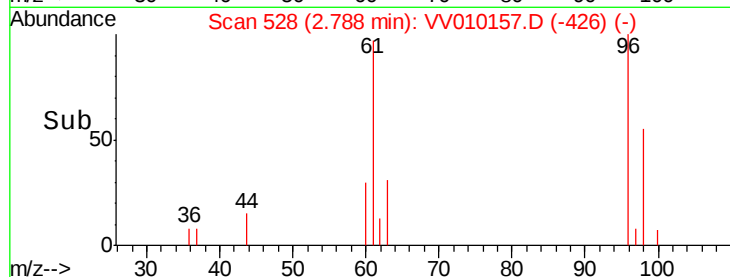
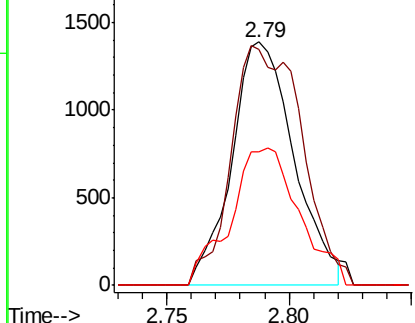
#18
 trans-1,2-Dichloroethene
 Concen: 0.915 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV010157.D
 Acq: 06 Apr 2019 16:54

Instrument :
 MSVOA_V
 ClientSampleId :
 ETJ49

Tgt Ion: 96 Resp: 2459
 Ion Ratio Lower Upper
 96 100
 61 96.7 90.0 167.2
 98 55.0 44.2 82.2

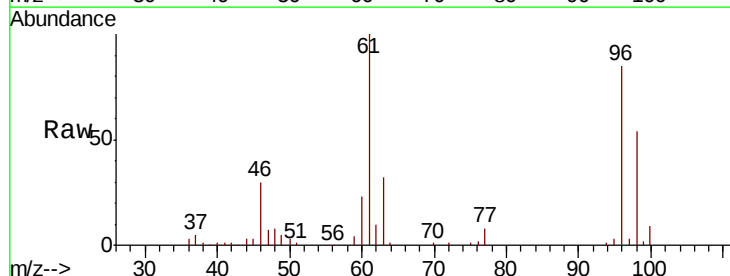


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

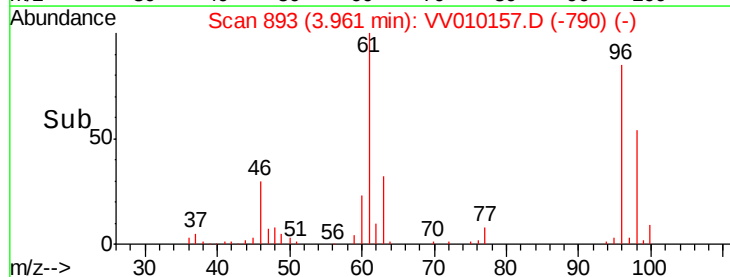
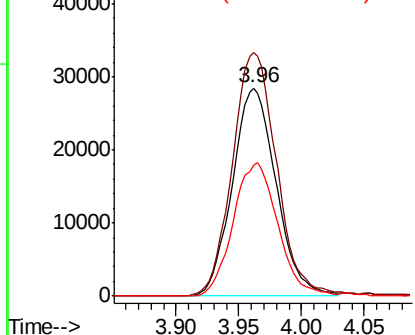


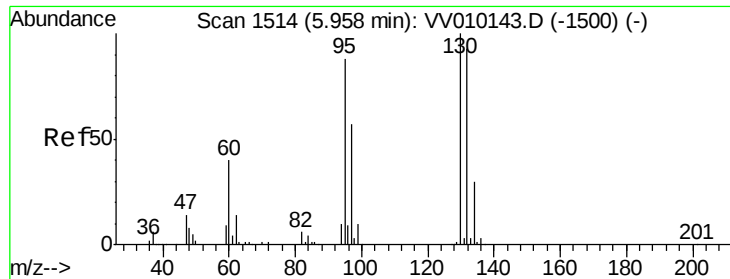
#22
 cis-1,2-Dichloroethene
 Concen: 23.126 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV010157.D
 Acq: 06 Apr 2019 16:54

Tgt Ion: 96 Resp: 69030
 Ion Ratio Lower Upper
 96 100
 61 117.1 82.7 153.5
 98 63.1 43.9 81.5



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





#35

Trichloroethene

Concen: 31.974 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010157.D

Acq: 06 Apr 2019 16:54

Instrument :

MSVOA_V

ClientSampleId :

ETJ49

Tgt Ion: 95 Resp: 101683

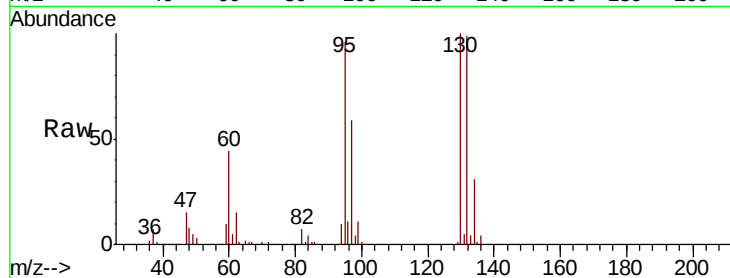
Ion Ratio Lower Upper

95 100

97 64.5 45.8 85.2

132 105.6 70.6 131.0

130 108.6 76.1 141.3

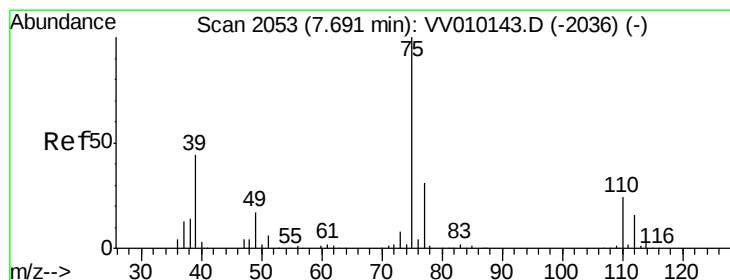
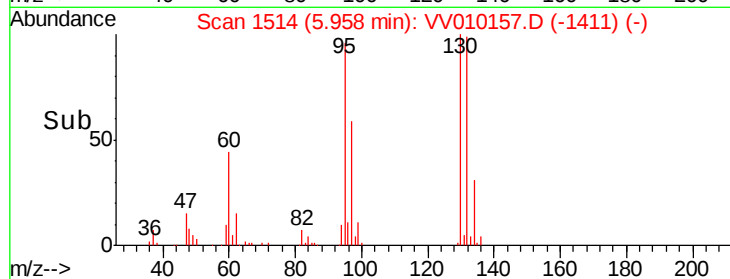
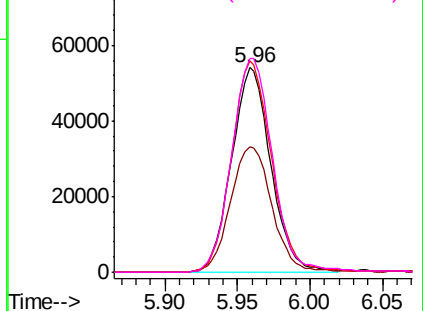


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#45

trans-1,3-Dichloropropene

Concen: 0.512 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV010157.D

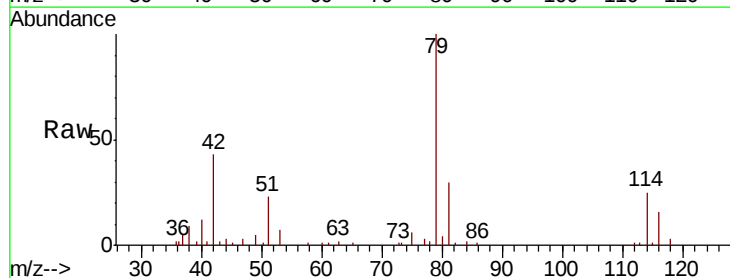
Acq: 06 Apr 2019 16:54

Tgt Ion: 75 Resp: 1760

Ion Ratio Lower Upper

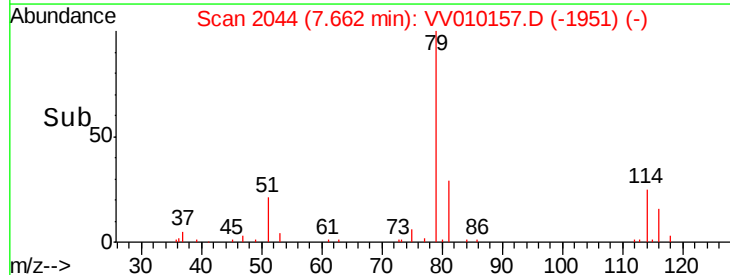
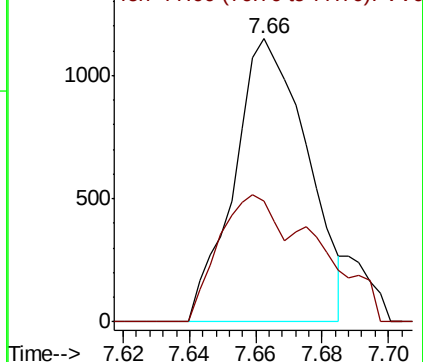
75 100

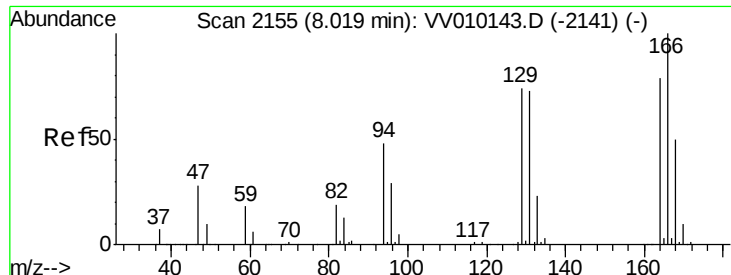
77 42.9 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#47

Tetrachloroethene

Concen: 1.546 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV010157.D

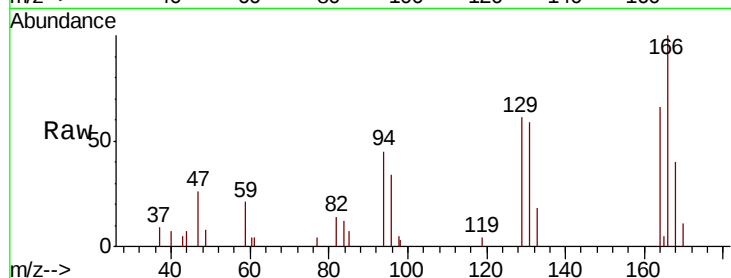
Acq: 06 Apr 2019 16:54

Instrument :

MSVOA_V

ClientSampleId :

ETJ49



Tgt Ion:164 Resp: 4115

Ion Ratio Lower Upper

164 100

129 93.6 67.8 125.8

131 90.0 65.2 121.0

166 152.6 93.8 174.2

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

