

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092319\
 Data File : VV012954.D
 Acq On : 23 Sep 2019 23:20
 Operator : SY/MD
 Sample : K4984-07
 Misc : 4.61G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BEDL1

Quant Time: Sep 24 09:06:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 24 07:38:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	838131	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	787142	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	329287	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	254463	19.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.28%
7) Chloroethane-d5	1.58	69	221936	21.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.44%
10) 1,1-Dichloroethene-d2	2.13	63	334243	15.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.84%
20) 2-Butanone-d5	3.95	46	183940	40.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.92%
24) Chloroform-d	4.40	84	514534	22.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.08	65	303433	22.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.68%
29) Benzene-d6	5.10	84	1072291	24.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.60%
33) 1,2-Dichloropropane-d6	6.12	67	342124	24.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.36%
37) Toluene-d8	7.36	98	943956	23.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.64%
38) trans-1,3-Dichloropropene-	7.66	79	130035	22.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.16%
39) 2-Hexanone-d5	8.14	63	133689	48.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.46%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	288729	22.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	320767	25.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.28%

Target Compounds

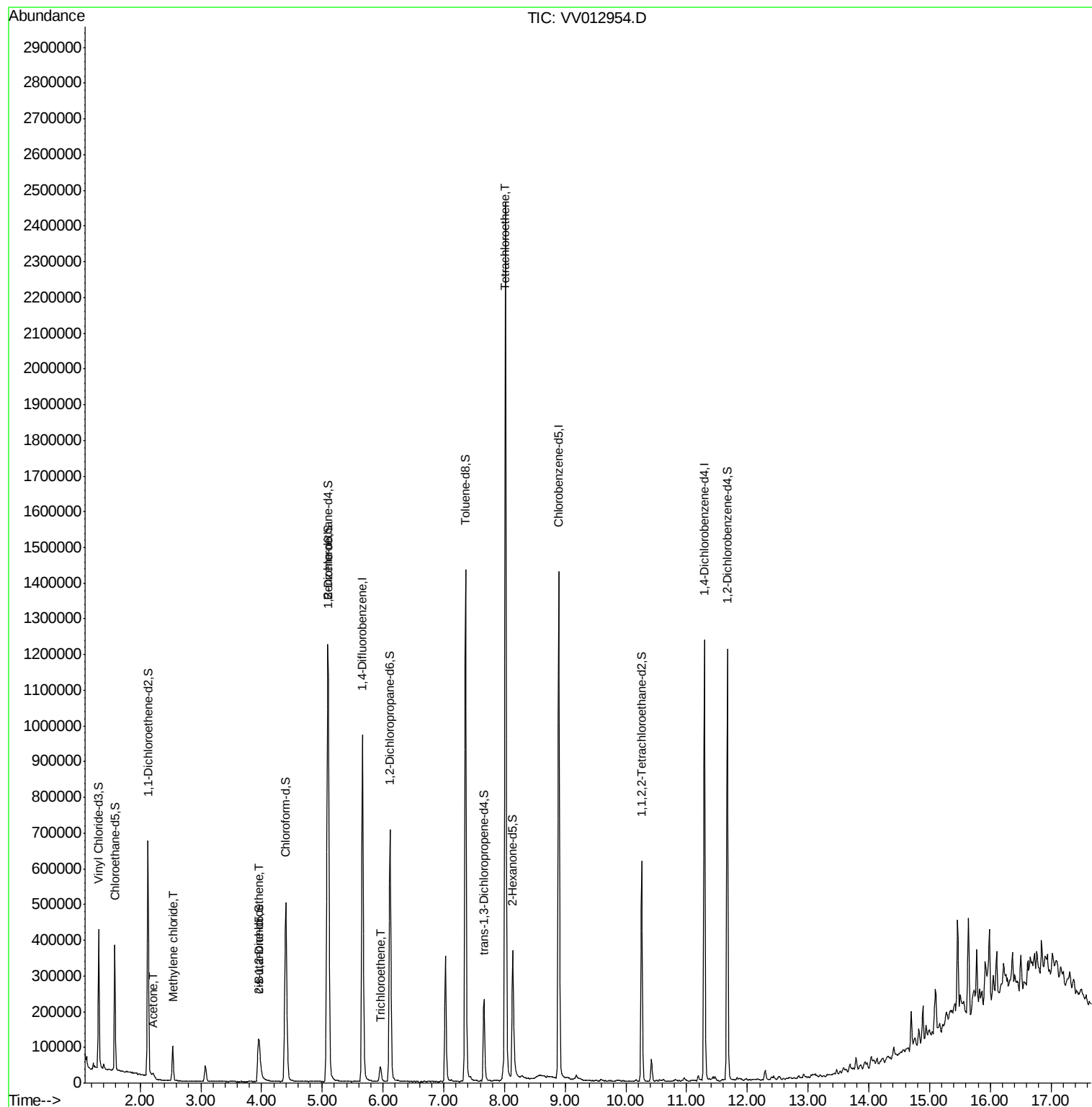
					Ovalue
13) Acetone	2.21	43	20977	4.395	ug/L 95
16) Methylene chloride	2.54	84	39016	3.114	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	19942	1.625	ug/L 97
35) Trichloroethene	5.96	95	10583	0.867	ug/L 96
47) Tetrachloroethene	8.02	164	585685	59.039	ug/L 99

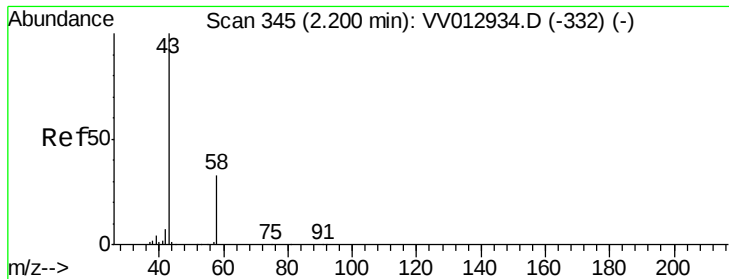
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.395 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.01 min

Lab File: VV012954.D

Acq: 23 Sep 2019 23:20

Instrument :

MSVOA_V

ClientSampleId :

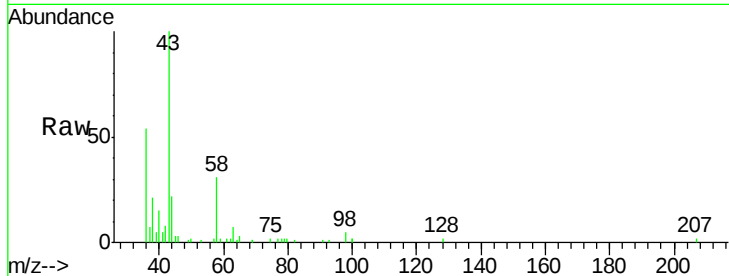
BEDL1

Tot Ion: 43 Resp: 20977

Ion Ratio Lower Upper

43 100

58 35.0 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.21

10000

8000

6000

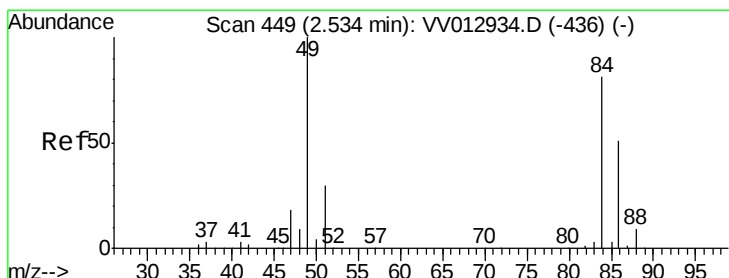
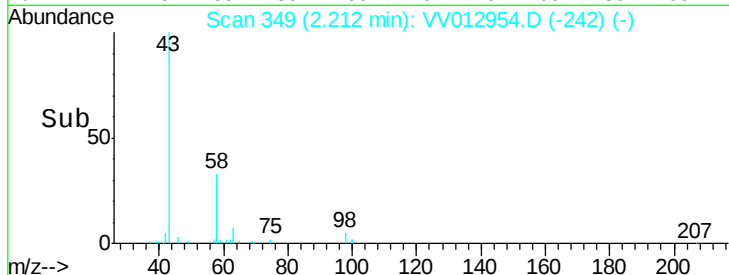
4000

2000

0

Time-->

2.15 2.20 2.25 2.30



#16

Methylene chloride

Concen: 3.114 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV012954.D

Acq: 23 Sep 2019 23:20

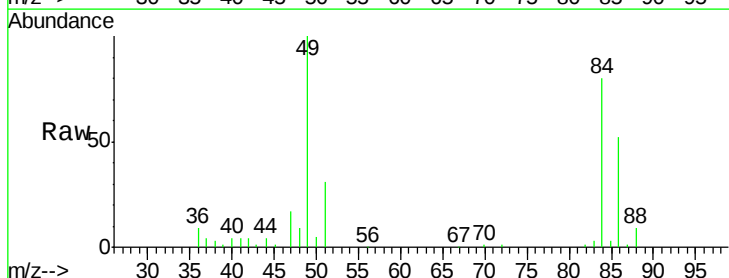
Tgt Ion: 84 Resp: 39016

Ion Ratio Lower Upper

84 100

49 125.3 88.3 164.1

86 65.0 44.9 83.3



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

40000

30000

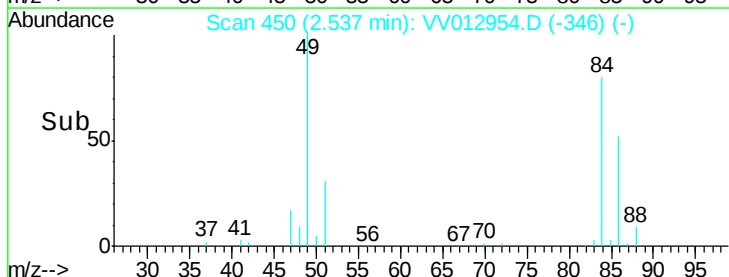
20000

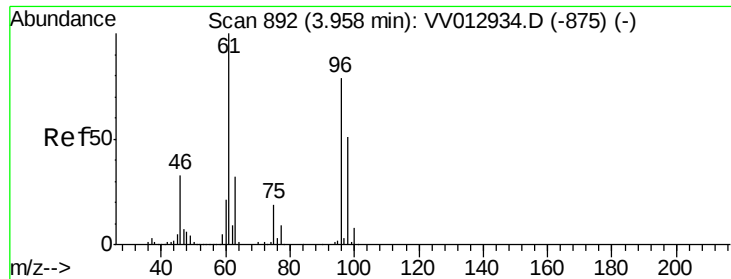
10000

0

Time-->

2.50 2.55 2.60



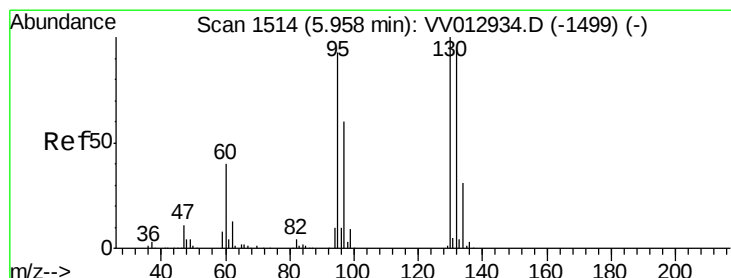
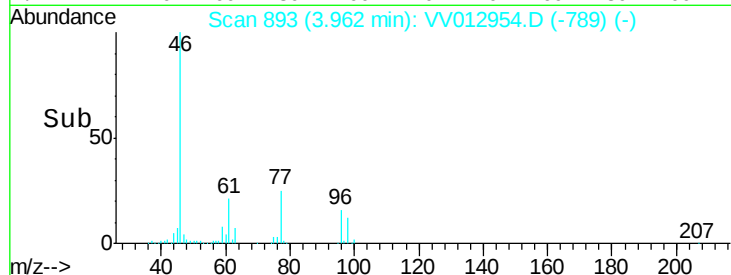
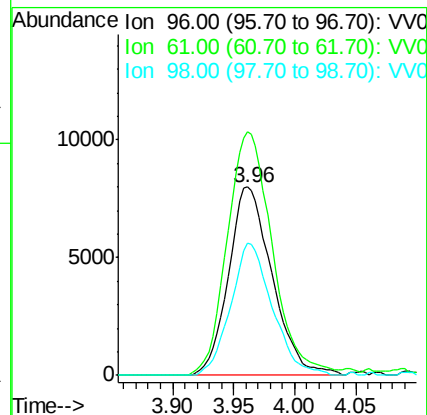
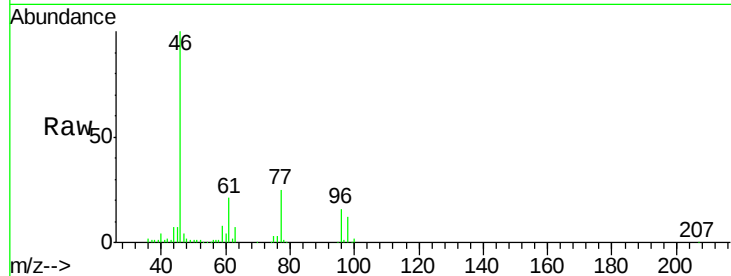


#22

cis-1,2-Dichloroethene
 Concen: 1.625 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012954.D
 Acq: 23 Sep 2019 23:20

Instrument :
 MSVOA_V
 ClientSampled :
 BEDL1

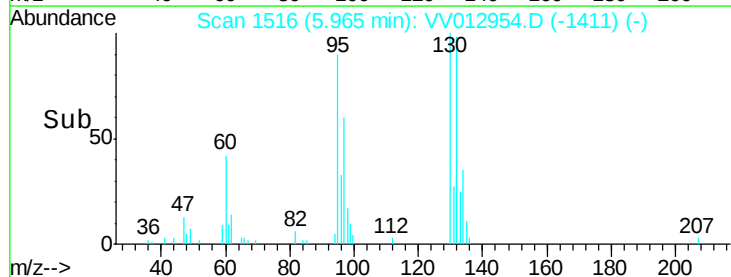
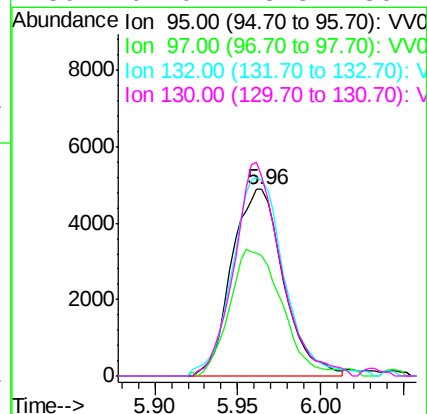
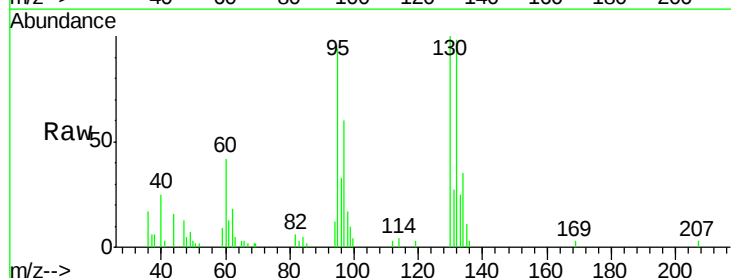
Tot Ion: 96 Resp: 19942
 Ion Ratio Lower Upper
 96 100
 61 129.1 90.9 168.7
 98 70.5 45.6 84.6

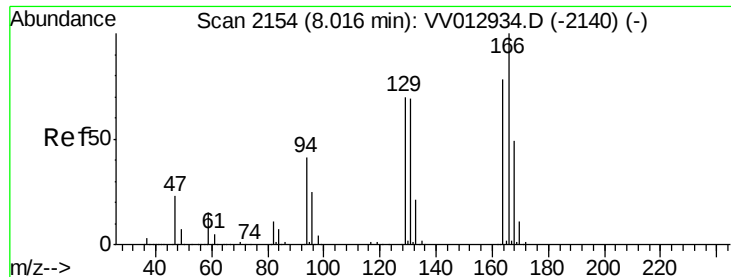


#35

Trichloroethene
 Concen: 0.867 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.01 min
 Lab File: VV012954.D
 Acq: 23 Sep 2019 23:20

Tgt Ion: 95 Resp: 10583
 Ion Ratio Lower Upper
 95 100
 97 67.9 44.7 82.9
 132 105.8 70.1 130.1
 130 104.0 73.3 136.1





#47

Tetrachloroethene

Concen: 59.039 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012954.D

Acq: 23 Sep 2019 23:20

Instrument :
MSVOA_V
ClientSampleId :
BEDL1

Tot Ion:164 Resp: 585685

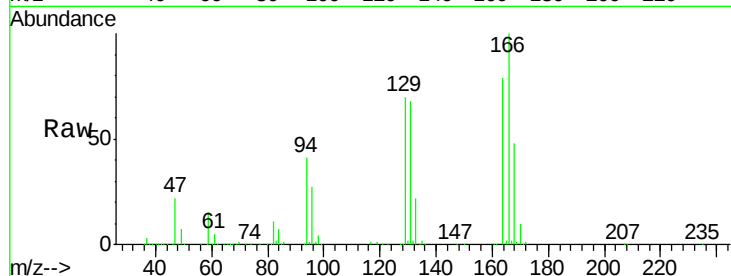
Ion Ratio Lower Upper

164 100

129 88.6 62.8 116.6

131 86.1 60.2 111.8

166 126.7 89.4 166.0



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

