

Data File : VV012962.D
Acq On : 24 Sep 2019 16:15
Operator : SY/MD
Sample : K4984-10RE
Misc : 5.67G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BEDL4RE

Quant Time: Sep 25 01:59:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 25 01:56:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	5346	25.00	ug/L	0.01
28) Chlorobenzene-d5	8.90	117	3620	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.36	152	66	25.00	ug/L	0.07

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	2260	27.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.96%
7) Chloroethane-d5	1.59	69	2053	30.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	122.44%
10) 1,1-Dichloroethene-d2	2.14	63	3406	24.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.76%
20) 2-Butanone-d5	4.00	46	43	1.50	ug/L	0.07
Spiked Amount	50.000	Range	20 - 135	Recovery	=	3.00%#
24) Chloroform-d	4.41	84	2173	14.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	59.20%
26) 1,2-Dichloroethane-d4	5.10	65	1648	19.30	ug/L	0.02
Spiked Amount	25.000	Range	70 - 130	Recovery	=	77.20%
29) Benzene-d6	5.11	84	7693	38.06	ug/L	0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	152.24%#
33) 1,2-Dichloropropane-d6	6.12	67	574	9.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	36.24%#
37) Toluene-d8	7.37	98	5206	28.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.48%
38) trans-1,3-Dichloropropene-	0.00	79	0	0.00	ug/L	
Spiked Amount	25.000	Range	30 - 135	Recovery	=	0.00%#
39) 2-Hexanone-d5	0.00	63	0	0.00	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.00%#
48) 1,1,2,2-Tetrachloroethane-	10.27	84	357	5.93	ug/L	0.02
Spiked Amount	25.000	Range	45 - 120	Recovery	=	23.72%#
61) 1,2-Dichlorobenzene-d4	11.68	152	42	16.38	ug/L	0.01
Spiked Amount	25.000	Range	75 - 120	Recovery	=	65.52%#

Target Compounds

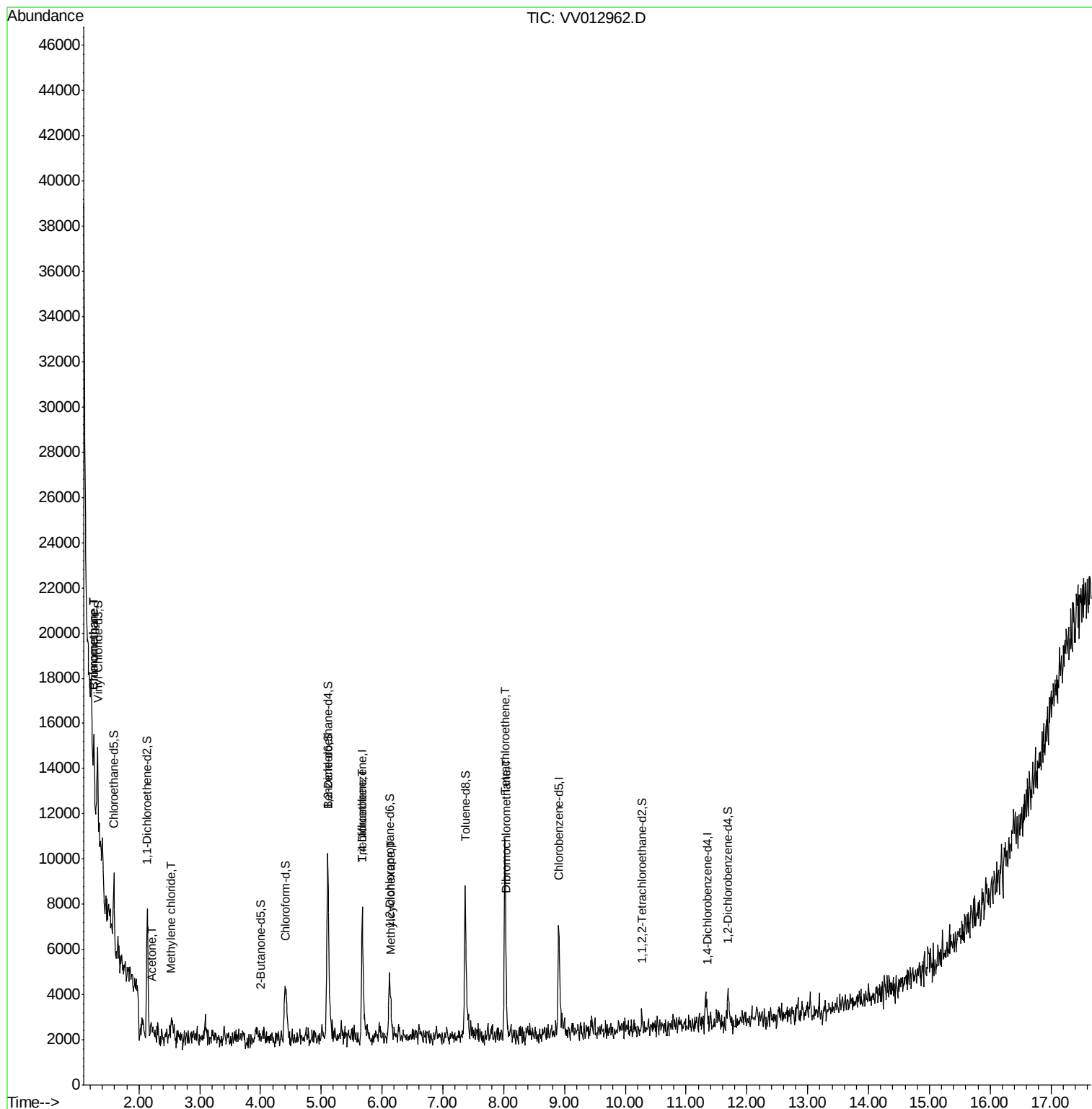
					Qvalue
3) Chloromethane	1.25	50	450	5.853 ug/L	89
6) Bromomethane	1.25	94	43	0.907 ug/L #	3
13) Acetone	2.22	43	249	8.180 ug/L	71
16) Methylene chloride	2.54	84	365	4.568 ug/L #	70
35) Trichloroethene	5.67	95	68	1.211 ug/L #	4
36) Methylcyclohexane	6.15	83	73	0.847 ug/L #	17
47) Tetrachloroethene	8.02	164	1913	41.931 ug/L	90
50) Dibromochloromethane	8.05	129	205	4.009 ug/L #	11

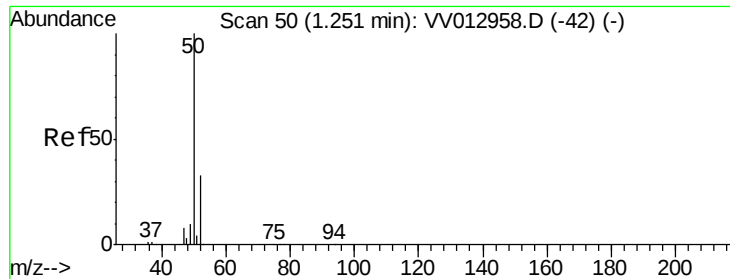
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 5.853 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

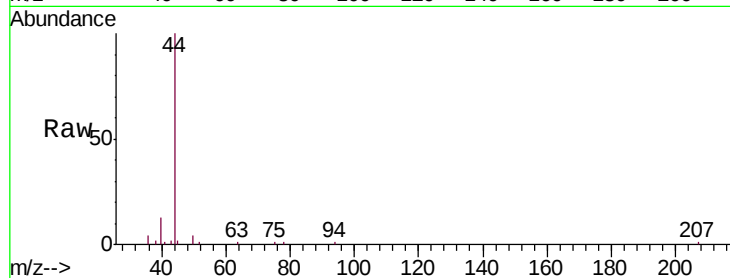
BEDL4RE

Tgt Ion: 50 Resp: 450

Ion Ratio Lower Upper

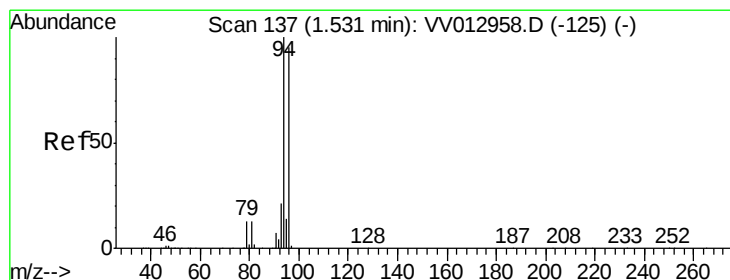
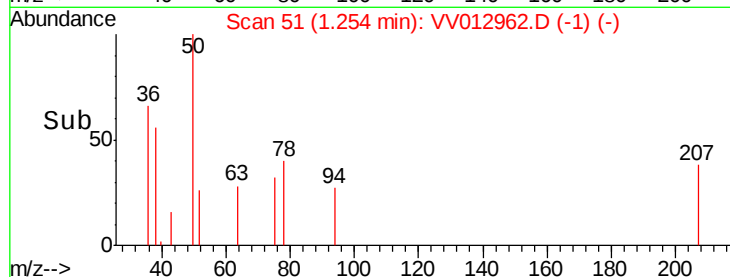
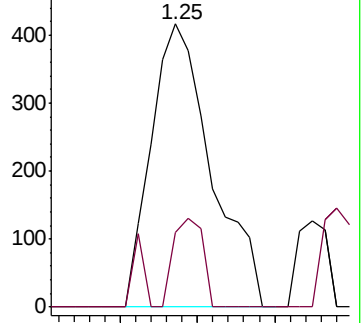
50 100

52 26.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



#6

Bromomethane

Concen: 0.907 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.28 min

Lab File: VV012962.D

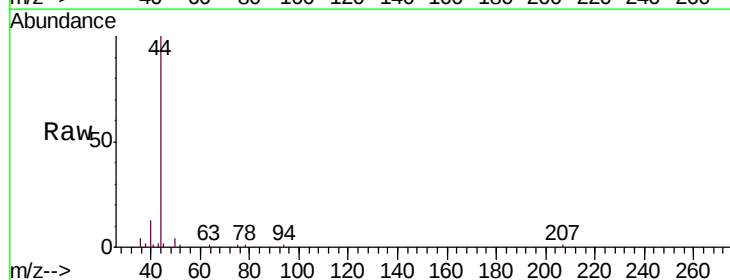
Acq: 24 Sep 2019 16:15

Tgt Ion: 94 Resp: 43

Ion Ratio Lower Upper

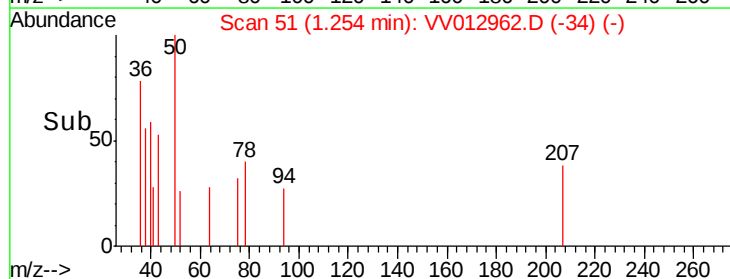
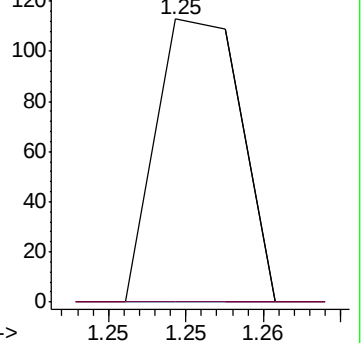
94 100

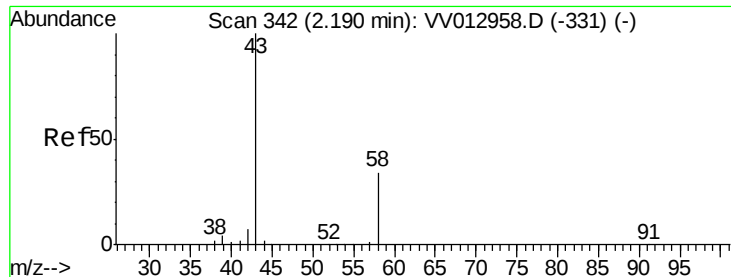
96 0.0 9.4 177.8#



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#13

Acetone

Concen: 8.180 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.03 min

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Instrument :

MSVOA_V

ClientSampleId :

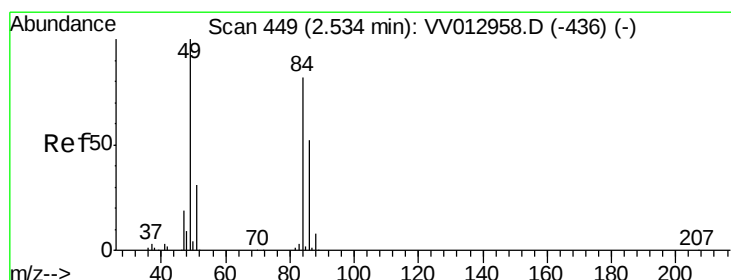
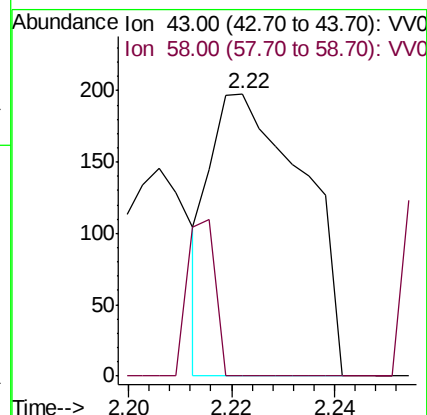
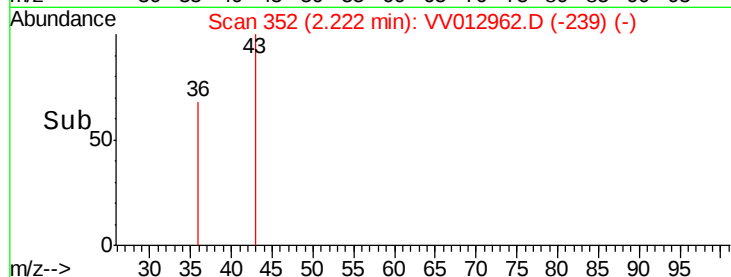
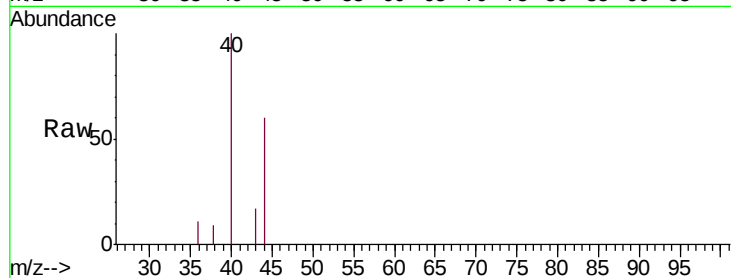
BEDL4RE

Tgt Ion: 43 Resp: 249

Ion Ratio Lower Upper

43 100

58 16.5 0.0 65.0



#16

Methylene chloride

Concen: 4.568 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV012962.D

Acq: 24 Sep 2019 16:15

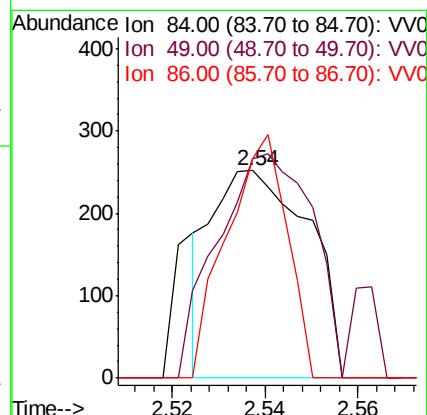
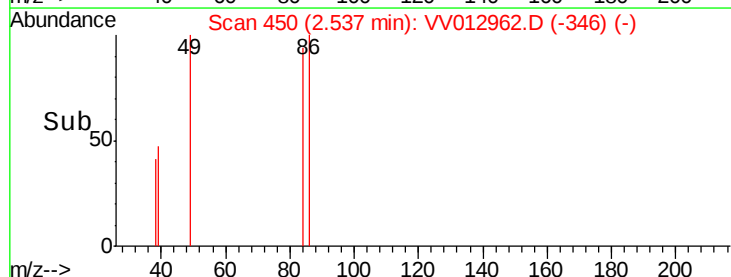
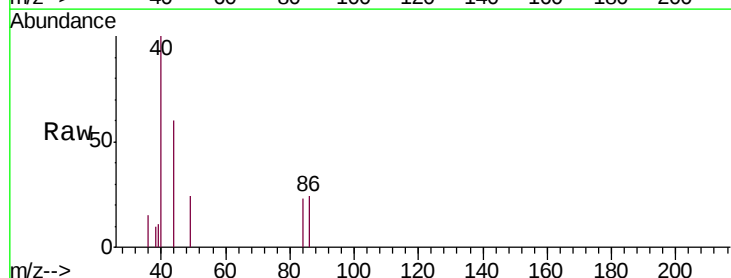
Tgt Ion: 84 Resp: 365

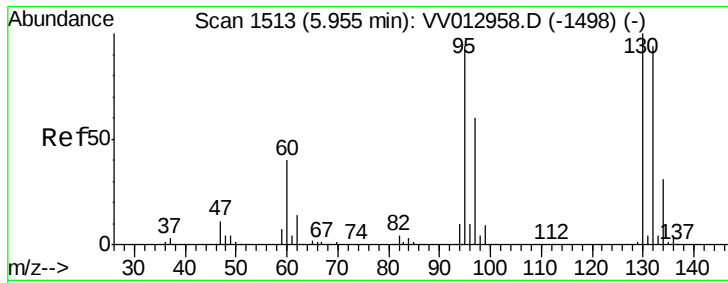
Ion Ratio Lower Upper

84 100

49 106.0 88.3 164.1

86 105.6 44.9 83.3#





#35

Trichloroethene

Concen: 1.211 ug/L

RT: 5.67 min Scan# 1425

Delta R.T. -0.28 min

Lab File: VV012962.D

Acq: 24 Sep 2019 16:15

Instrument :

MSVOA_V

ClientSampleId :

BEDL4RE

Tgt Ion: 95 Resp: 68

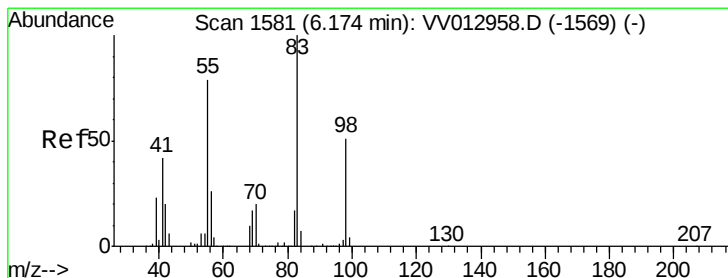
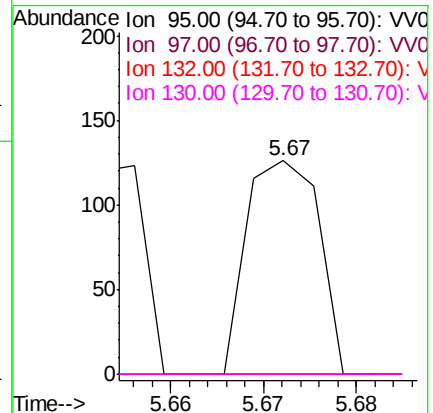
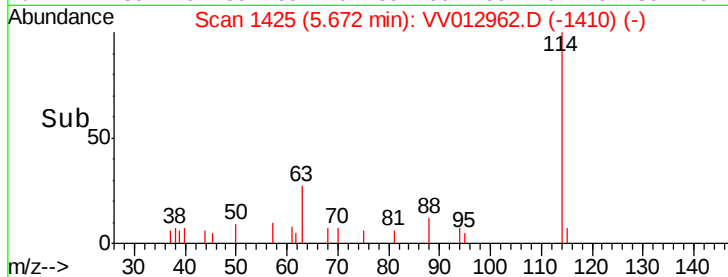
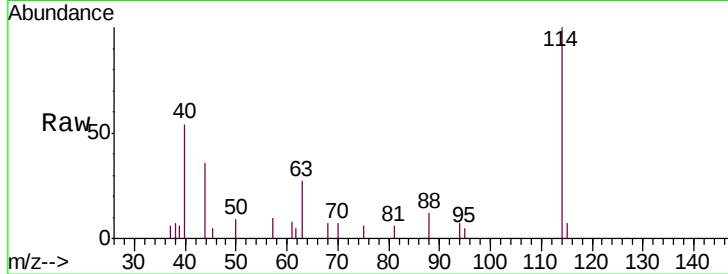
Ion Ratio Lower Upper

95 100

97 0.0 44.7 82.9#

132 0.0 70.1 130.1#

130 0.0 73.3 136.1#



#36

Methylcyclohexane

Concen: 0.847 ug/L

RT: 6.15 min Scan# 1573

Delta R.T. -0.03 min

Lab File: VV012962.D

Acq: 24 Sep 2019 16:15

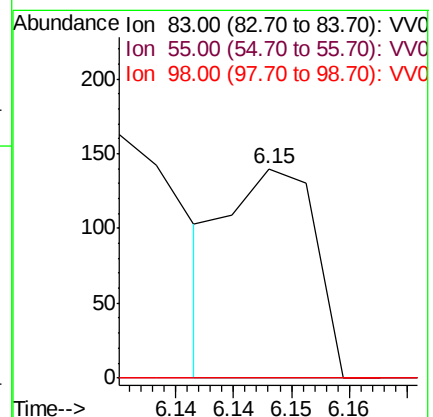
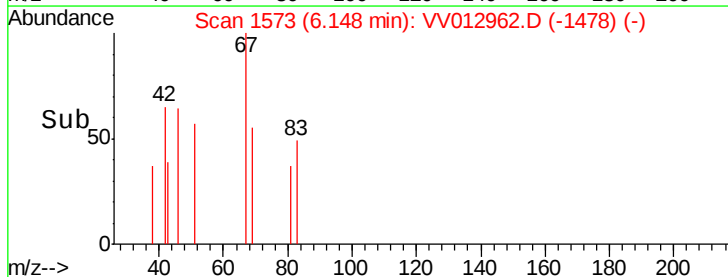
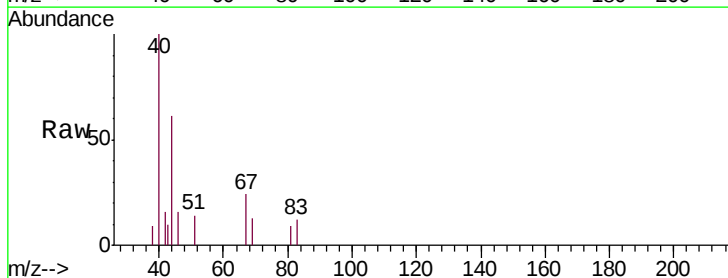
Tgt Ion: 83 Resp: 73

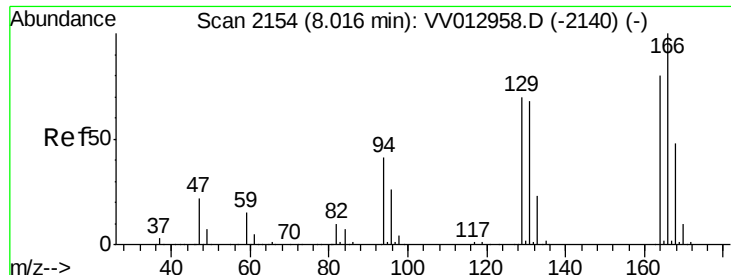
Ion Ratio Lower Upper

83 100

55 0.0 61.8 92.8#

98 0.0 39.3 58.9#





#47

Tetrachloroethene

Concen: 41.931 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012962.D

Acq: 24 Sep 2019 16:15

Instrument :

MSVOA_V

ClientSampleId :

BEDL4RE

Tgt Ion:164 Resp: 1913

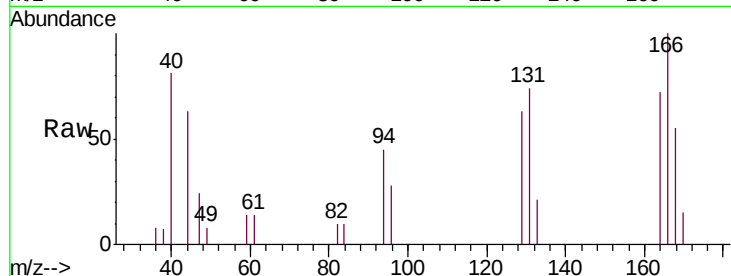
Ion Ratio Lower Upper

164 100

129 87.8 62.8 116.6

131 103.5 60.2 111.8

166 139.3 89.4 166.0



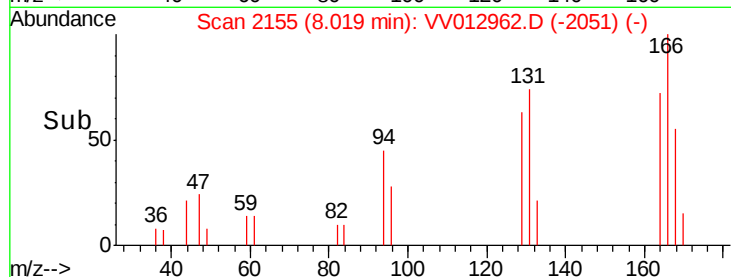
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

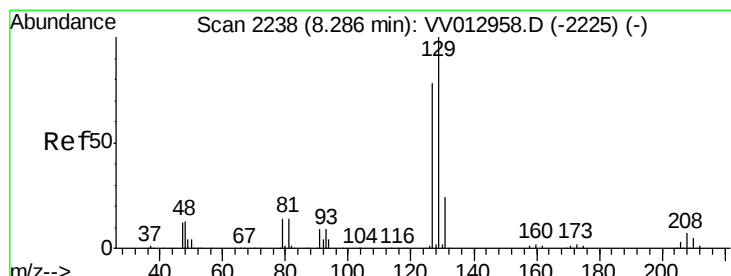
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->



Time-->



#50

Dibromochloromethane

Concen: 4.009 ug/L

RT: 8.05 min Scan# 2163

Delta R.T. -0.24 min

Lab File: VV012962.D

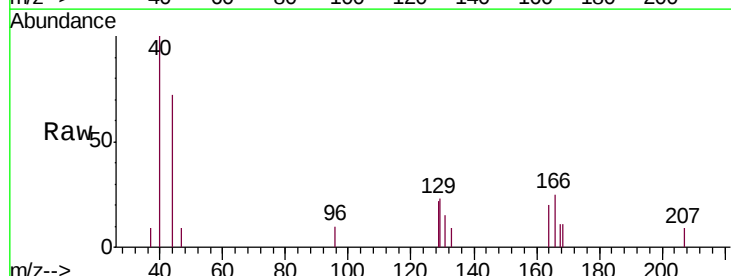
Acq: 24 Sep 2019 16:15

Tgt Ion:129 Resp: 205

Ion Ratio Lower Upper

129 100

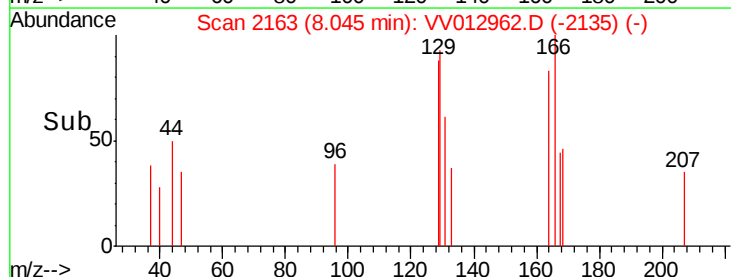
127 0.0 53.7 99.7#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

Time-->



Time-->