

Data File : VV009537.D
Acq On : 07 Mar 2019 18:45
Operator : SY/MD
Sample : K1789-06
Misc : 5.83G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0P2

Quant Time: Mar 08 03:06:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 03:01:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	128820	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	125345	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57558	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31470	20.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.16%
7) Chloroethane-d5	1.58	69	52460	23.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.56%
10) 1,1-Dichloroethene-d2	2.13	63	67990	16.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.40%
20) 2-Butanone-d5	3.95	46	24506	46.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.76%
24) Chloroform-d	4.40	84	73451	23.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.72%
26) 1,2-Dichloroethane-d4	5.08	65	43426	24.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.48%
29) Benzene-d6	5.10	84	146770	23.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.56%
33) 1,2-Dichloropropane-d6	6.12	67	46263	25.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.00%
37) Toluene-d8	7.36	98	139588	23.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.24%
38) trans-1,3-Dichloropropene-	7.67	79	19055	21.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.84%
39) 2-Hexanone-d5	8.14	63	18173	42.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.00%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	44951	23.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.08%
61) 1,2-Dichlorobenzene-d4	11.67	152	50101	23.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.36%

Target Compounds

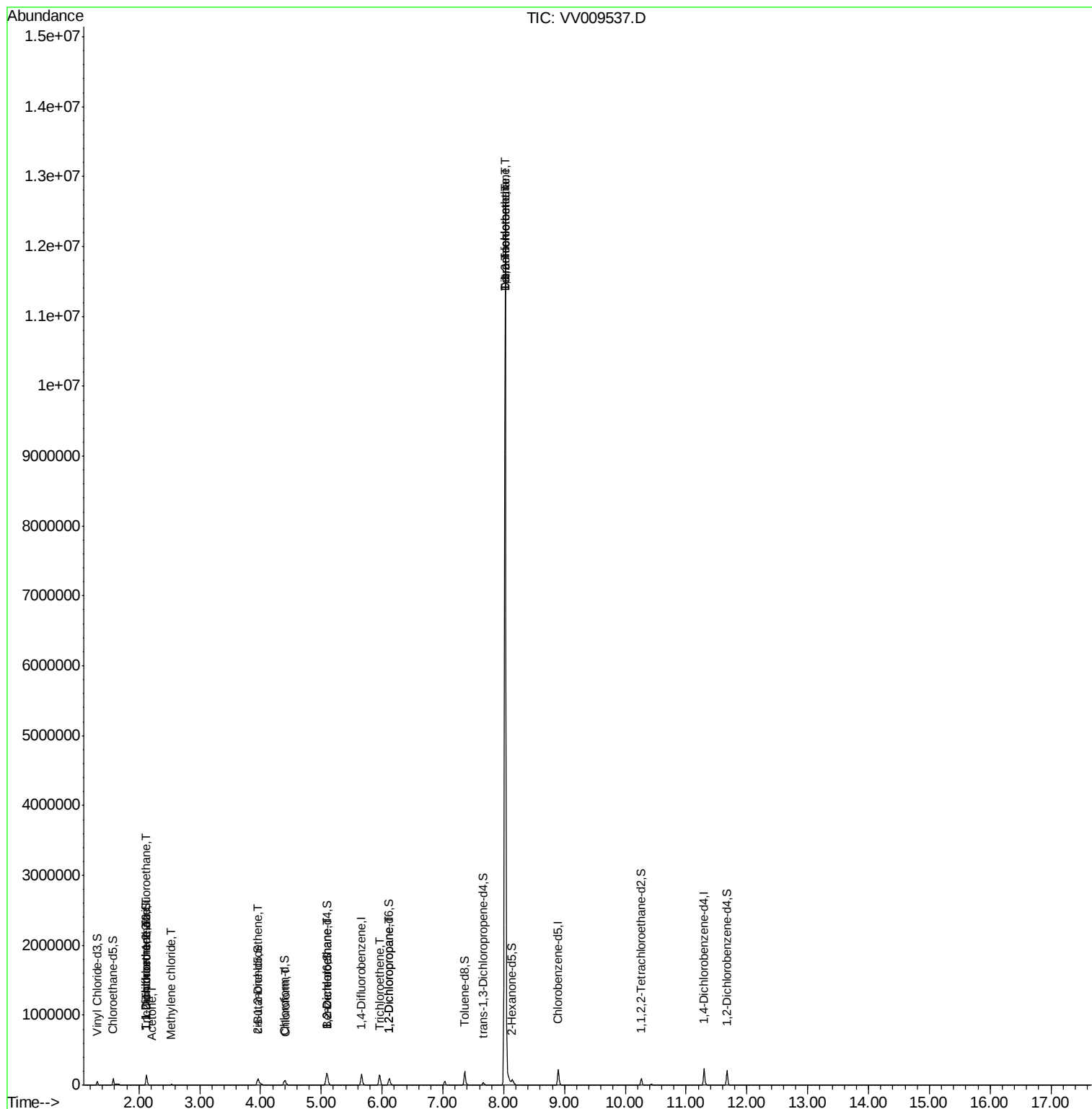
						Qvalue
9) Trichlorofluoromethane	2.13	101	1651	0.462	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1651	0.825	ug/L #	89
12) 1,1-Dichloroethene	2.14	96	3320	1.938	ug/L #	1
13) Acetone	2.21	43	444	0.826	ug/L #	40
16) Methylene chloride	2.53	84	2792	1.651	ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	42853	24.674	ug/L	98
25) Chloroform	4.42	83	3287	1.087	ug/L	98
27) 1,2-Dichloroethane	5.10	62	952	0.453	ug/L #	77
35) Trichloroethene	5.96	95	48691	26.159	ug/L	98
40) 1,2-Dichloropropane	6.12	63	5344	3.200	ug/L #	89
46) 1,1,2-Trichloroethane	8.02	97	24223	17.459	ug/L #	17
47) Tetrachloroethene	8.03	164	2414290	1710.098	ug/L	95
50) Dibromochloromethane	8.02	129	2388968	1422.251	ug/L #	11

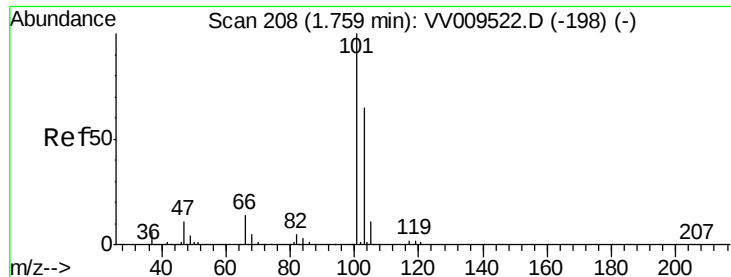
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Mar 08 03:01:51 2019
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.462 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.37 min

Lab File: VV009537.D

Acq: 07 Mar 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

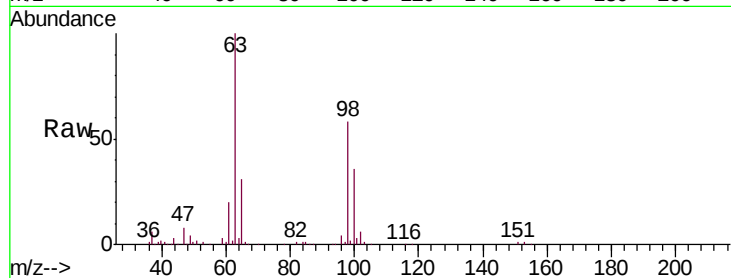
BF0P2

Tgt Ion:101 Resp: 1651

Ion Ratio Lower Upper

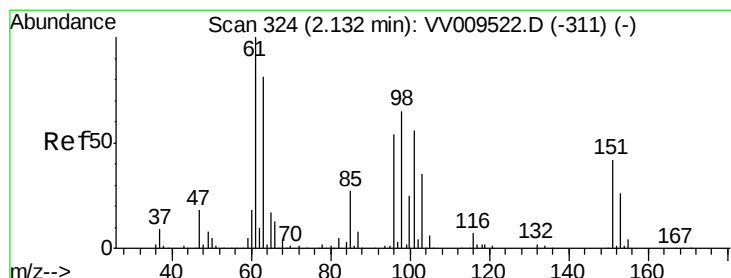
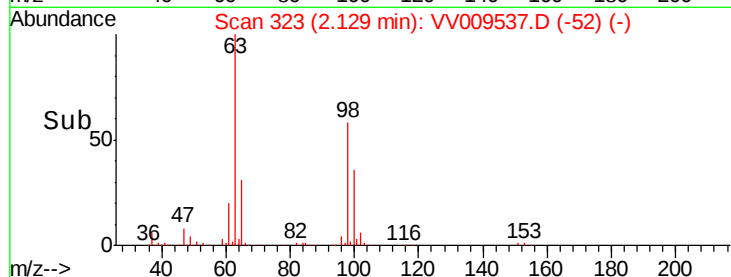
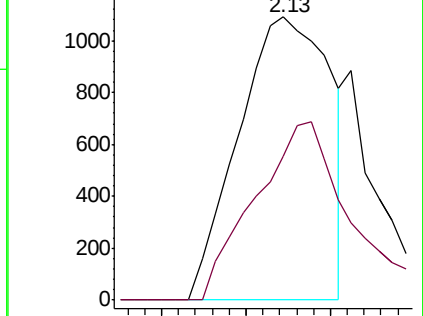
101 100

103 65.8 44.7 83.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.825 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV009537.D

Acq: 07 Mar 2019 18:45

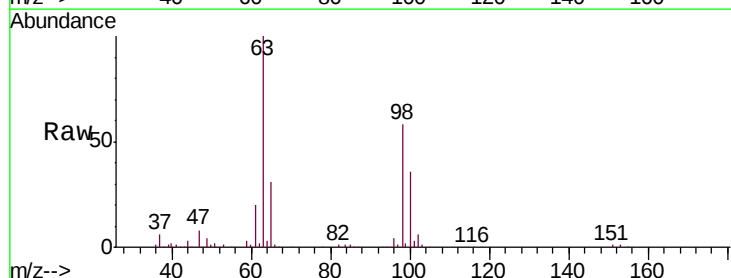
Tgt Ion:101 Resp: 1651

Ion Ratio Lower Upper

101 100

85 50.4 40.1 60.1

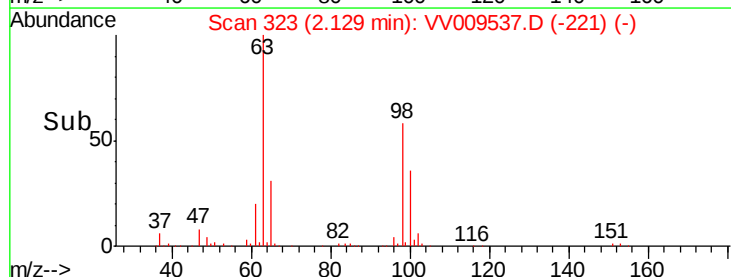
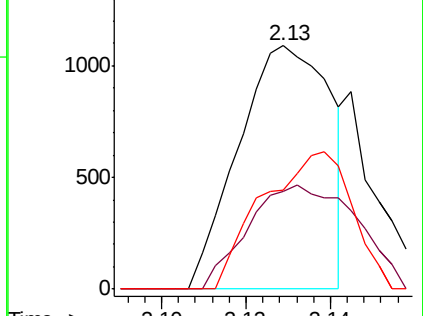
151 55.1 55.9 83.9#

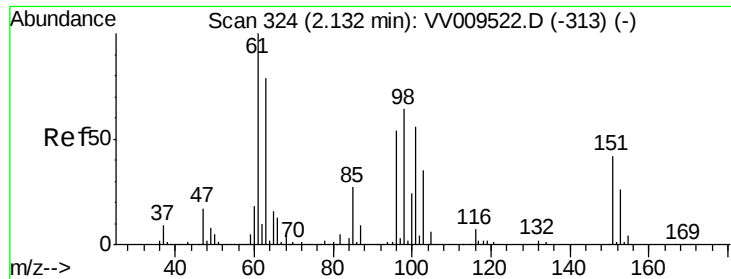


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 1.938 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009537.D

Acq: 07 Mar 2019 18:45

Instrument :

MSVOA_V

ClientSampled :

BF0P2

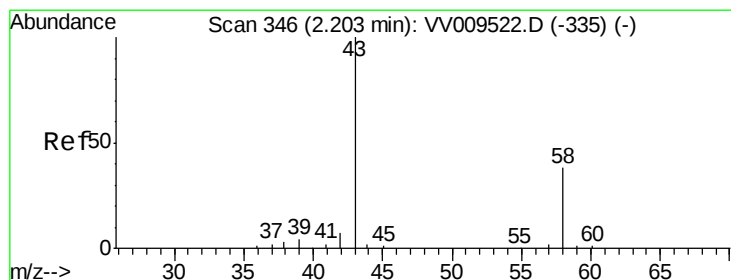
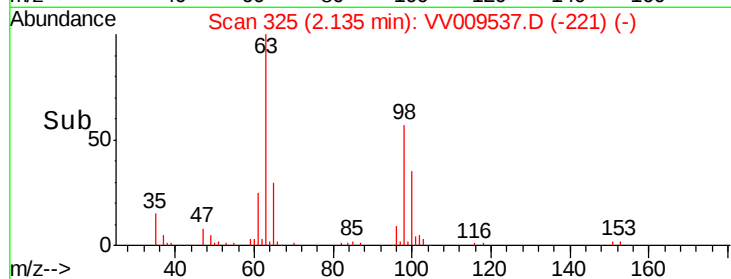
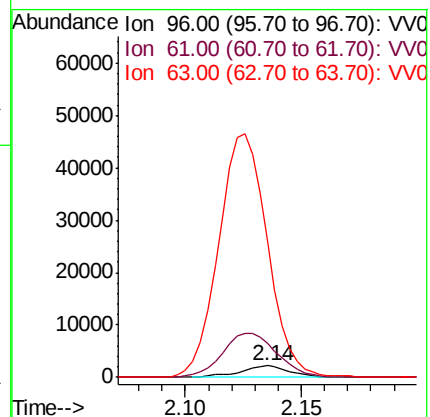
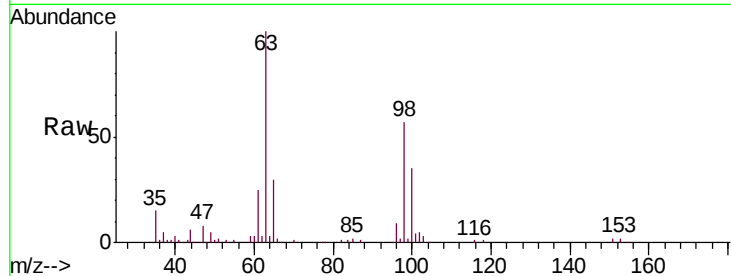
Tgt Ion: 96 Resp: 3320

Ion Ratio Lower Upper

96 100

61 282.6 136.9 254.3#

63 1144.7 108.7 201.9#



#13

Acetone

Concen: 0.826 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.01 min

Lab File: VV009537.D

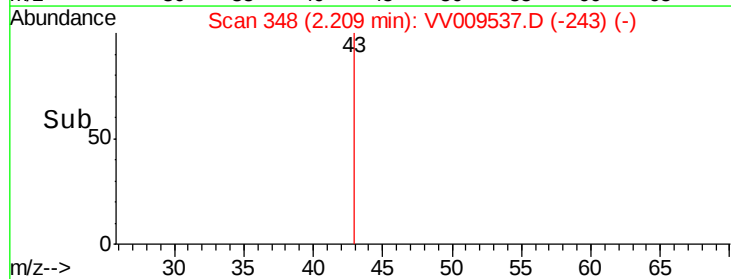
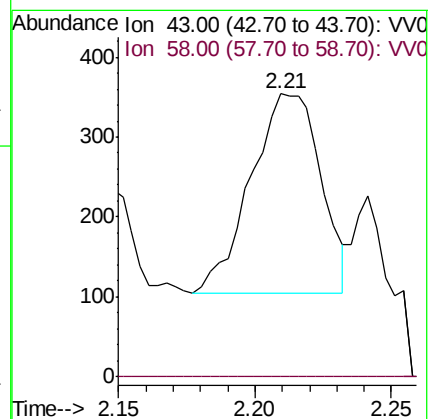
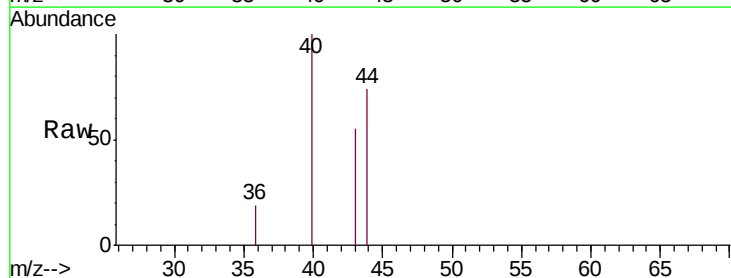
Acq: 07 Mar 2019 18:45

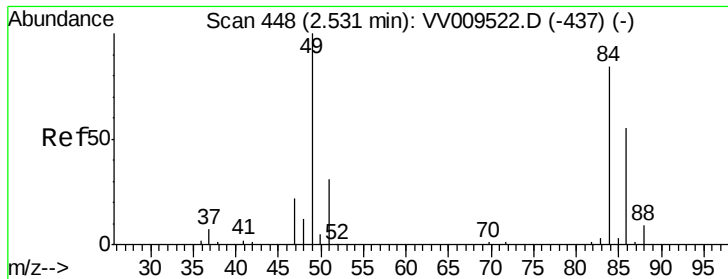
Tgt Ion: 43 Resp: 444

Ion Ratio Lower Upper

43 100

58 0.0 0.0 68.8

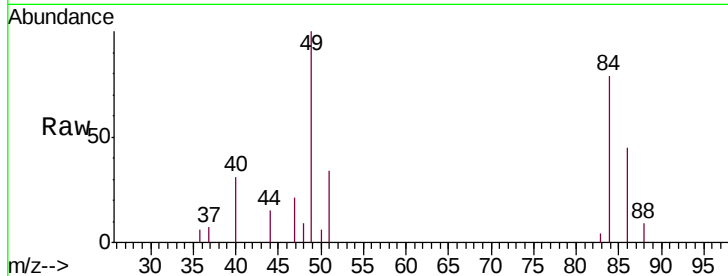




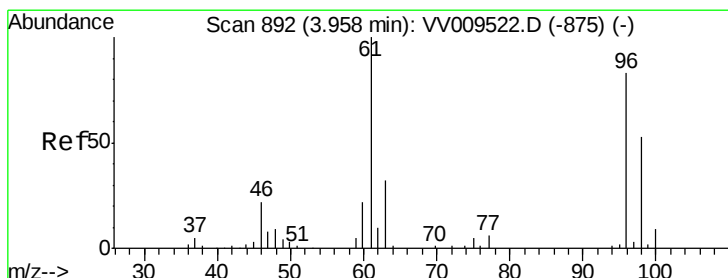
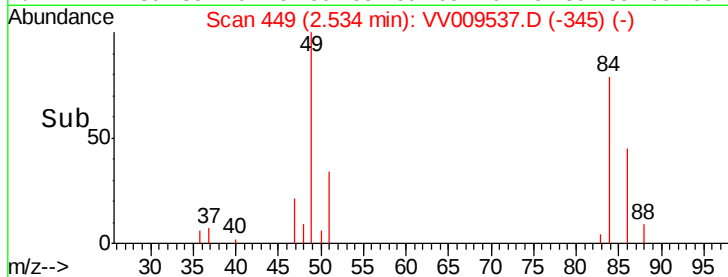
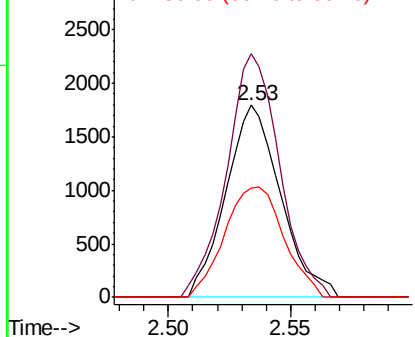
#16
Methylene chloride
Concen: 1.651 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009537.D
Acq: 07 Mar 2019 18:45

Instrument :
MSVOA_V
ClientSampleId :
BF0P2

Tgt Ion: 84 Resp: 2792
Ion Ratio Lower Upper
84 100
49 126.8 84.6 157.0
86 56.6 46.1 85.7

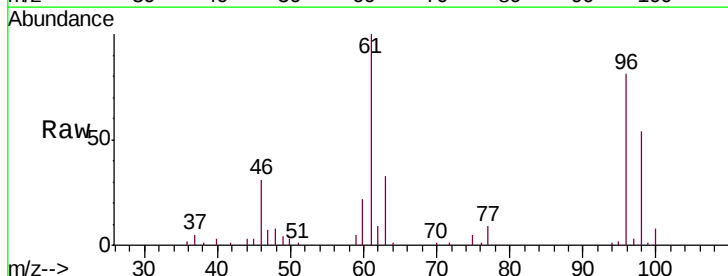


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

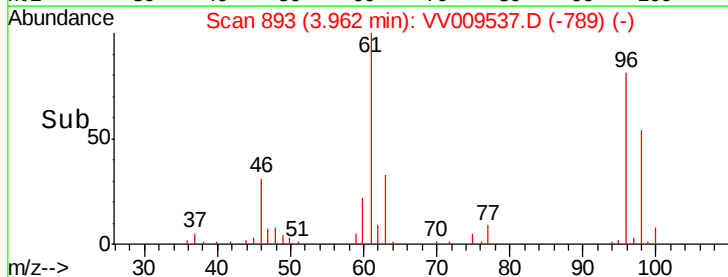
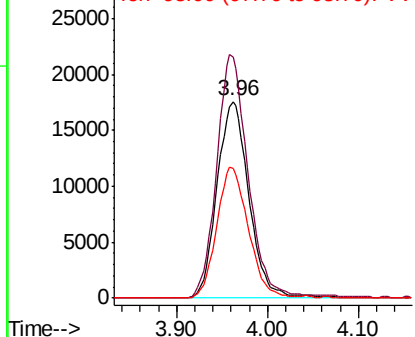


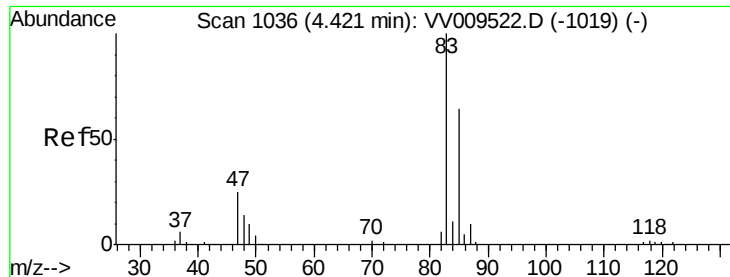
#22
cis-1,2-Dichloroethene
Concen: 24.674 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV009537.D
Acq: 07 Mar 2019 18:45

Tgt Ion: 96 Resp: 42853
Ion Ratio Lower Upper
96 100
61 122.8 87.2 161.9
98 65.8 44.6 82.8



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





#25

Chloroform

Concen: 1.087 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV009537.D

Acq: 07 Mar 2019 18:45

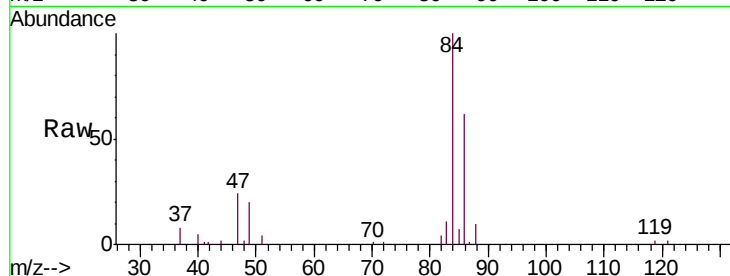
Instrument :
MSVOA_V
ClientSampleId :
BF0P2

Tgt Ion: 83 Resp: 3287

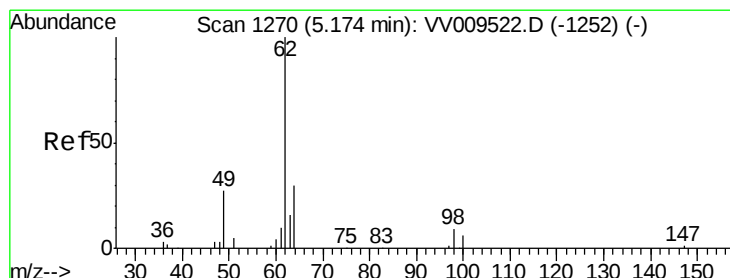
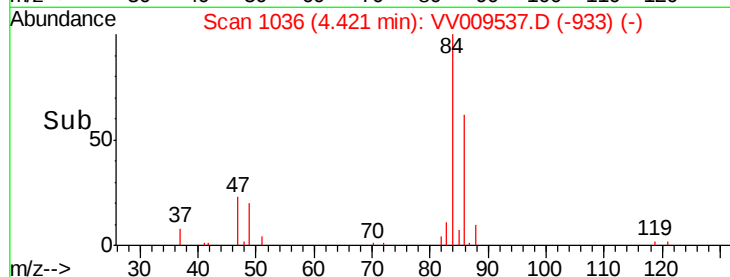
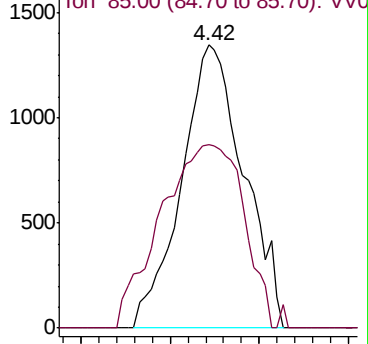
Ion Ratio Lower Upper

83 100

85 62.9 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VV009522.D (-1019) (-)



#27

1,2-Dichloroethane

Concen: 0.453 ug/L

RT: 5.10 min Scan# 1248

Delta R.T. -0.07 min

Lab File: VV009537.D

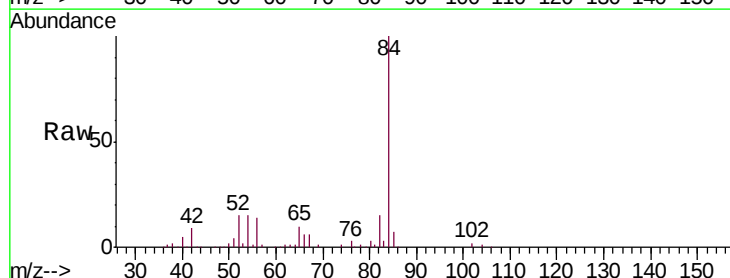
Acq: 07 Mar 2019 18:45

Tgt Ion: 62 Resp: 952

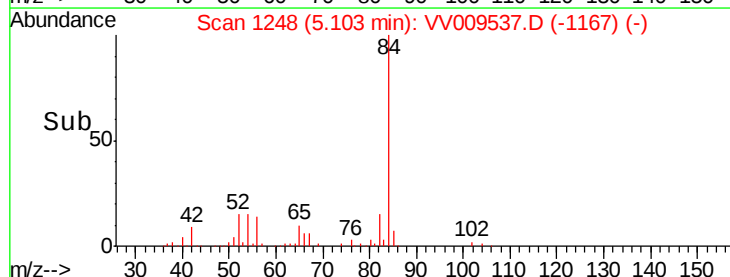
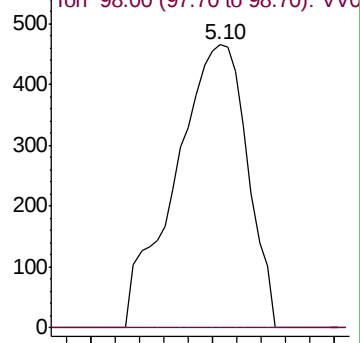
Ion Ratio Lower Upper

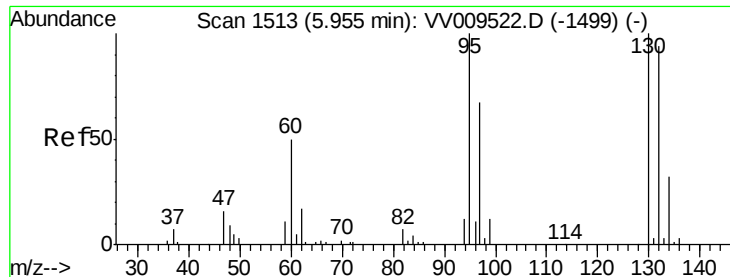
62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV009522.D (-1252) (-)





#35

Trichloroethene

Concen: 26.159 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009537.D

Acq: 07 Mar 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

BF0P2

Tgt Ion: 95 Resp: 48691

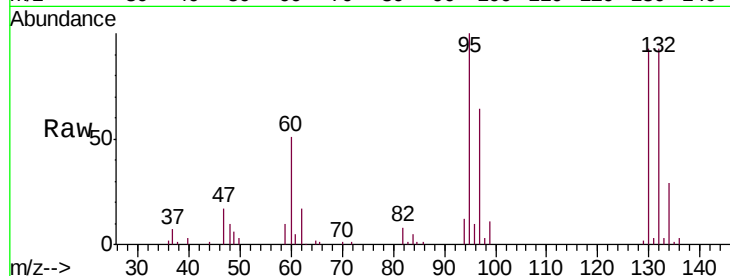
Ion Ratio Lower Upper

95 100

97 66.0 44.3 82.3

132 92.2 64.4 119.6

130 96.6 69.4 128.8



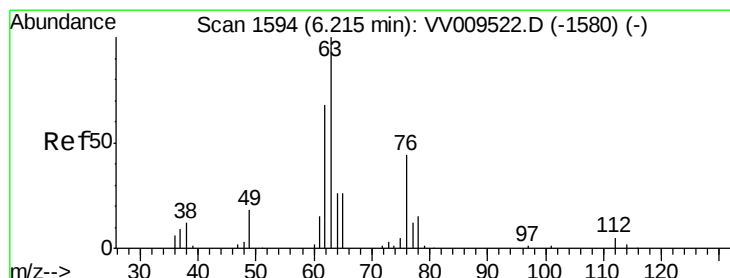
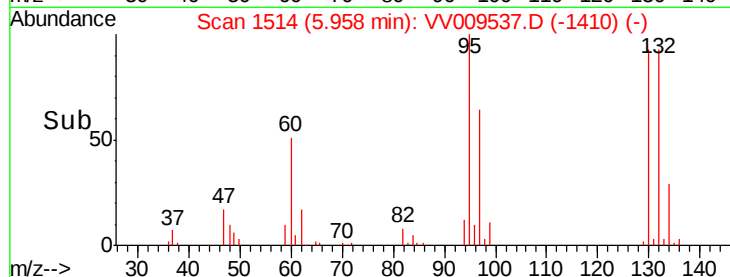
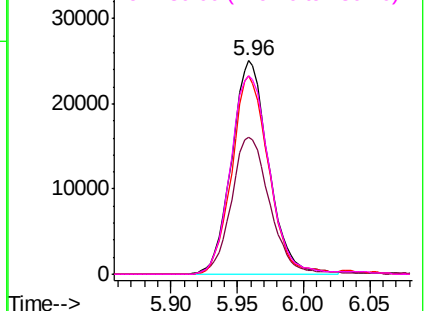
Abundance

Ion 95.00 (94.70 to 95.70): VV009522.D (-1499) (-)

Ion 97.00 (96.70 to 97.70): VV009522.D (-1499) (-)

Ion 132.00 (131.70 to 132.70): VV009522.D (-1499) (-)

Ion 130.00 (129.70 to 130.70): VV009522.D (-1499) (-)



#40

1,2-Dichloropropane

Concen: 3.200 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV009537.D

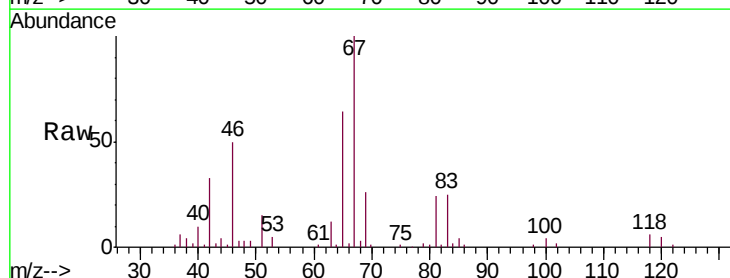
Acq: 07 Mar 2019 18:45

Tgt Ion: 63 Resp: 5344

Ion Ratio Lower Upper

63 100

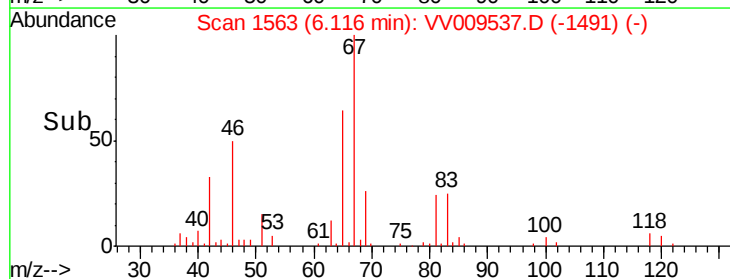
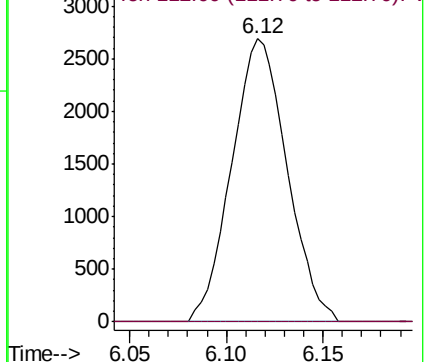
112 0.0 3.0 4.4#

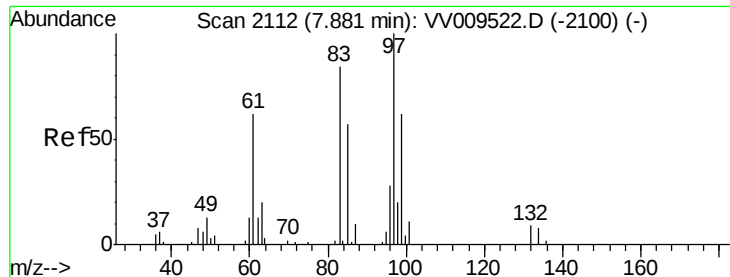


Abundance

Ion 63.00 (62.70 to 63.70): VV009522.D (-1580) (-)

Ion 112.00 (111.70 to 112.70): VV009522.D (-1580) (-)

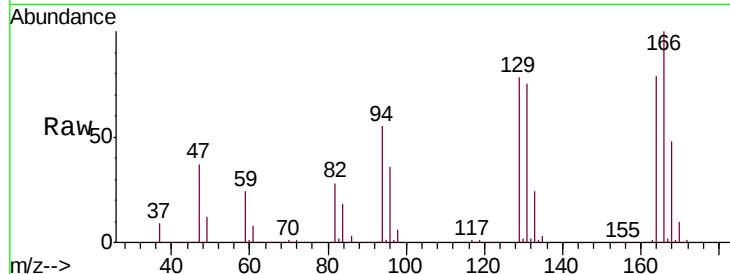




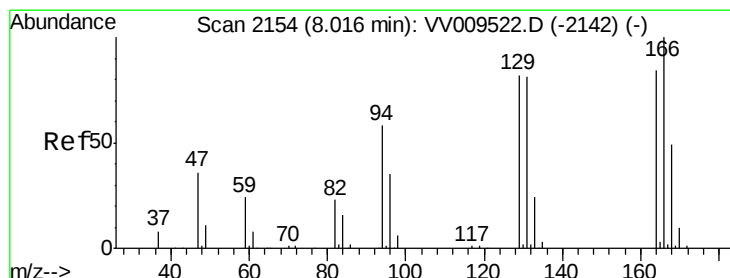
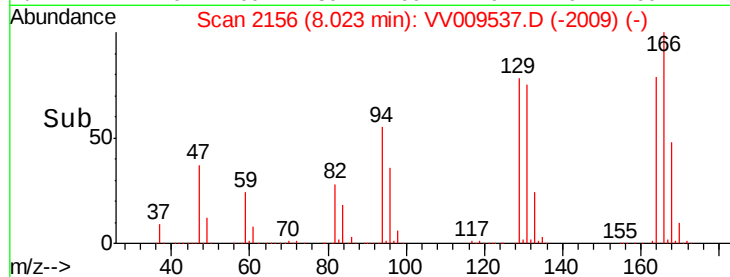
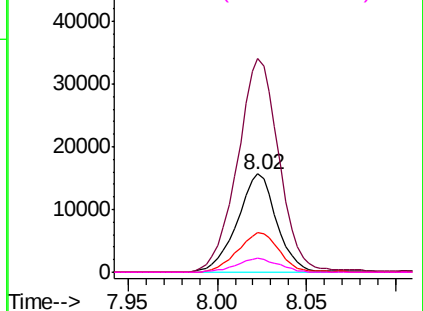
#46
1,1,2-Trichloroethane
Concen: 17.459 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.14 min
Lab File: VV009537.D
Acq: 07 Mar 2019 18:45

Instrument :
MSVOA_V
ClientSampleId :
BF0P2

Tgt Ion: 97 Resp: 24223
Ion Ratio Lower Upper
97 100
83 217.5 63.8 118.6#
85 40.3 39.5 73.4
99 14.1 45.9 85.3#



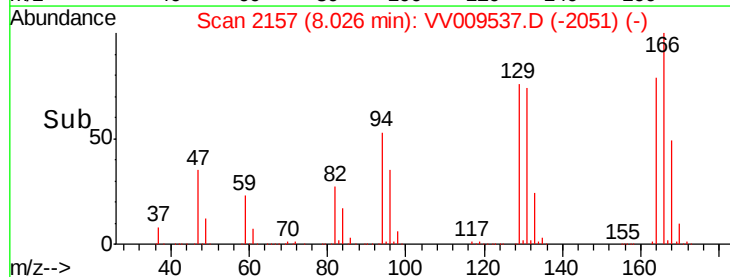
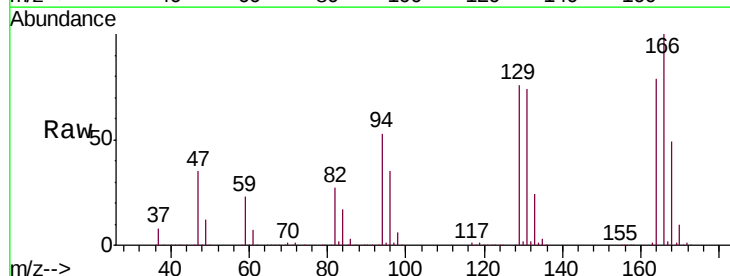
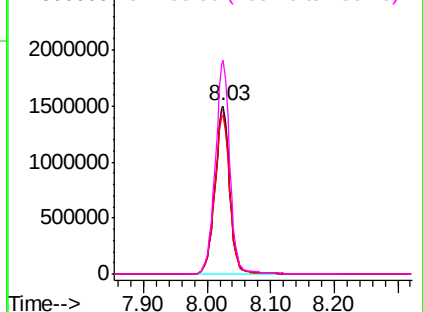
Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 99.00 (98.70 to 99.70): VV0

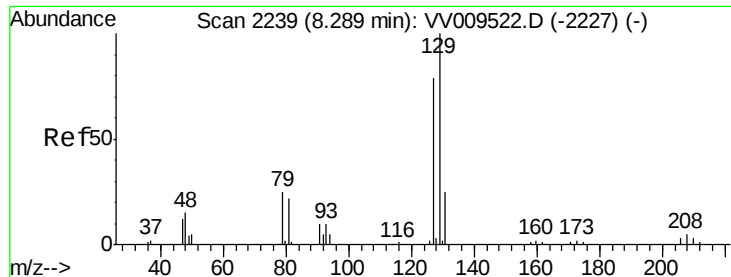


#47
Tetrachloroethene
Concen: 1710.098 ug/L
RT: 8.03 min Scan# 2157
Delta R.T. 0.01 min
Lab File: VV009537.D
Acq: 07 Mar 2019 18:45

Tgt Ion: 164 Resp: 2414290
Ion Ratio Lower Upper
164 100
129 97.3 67.7 125.7
131 94.3 67.5 125.3
166 127.3 81.6 151.6

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





#50

Dibromochloromethane

Concen: 1422.251 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.27 min

Lab File: VV009537.D

Acq: 07 Mar 2019 18:45

Instrument :
MSVOA_V
ClientSampleId :
BF0P2

Tgt Ion:129 Resp: 2388968

Ion Ratio Lower Upper

129 100

127 0.0 53.7 99.7#

