

Data File : VV011251.D
Acq On : 06 Jun 2019 18:00
Operator : SY/MD
Sample : K3230-01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
P025-SMITH-1906-01

Quant Time: Jun 07 01:32:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 07 01:28:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	159754	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	147601	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61435	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57653	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.56	69	47766	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.12	63	90271	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	3.94	46	136769	50.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.38%
24) Chloroform-d	4.40	84	101840	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.08	65	56603	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.09	84	214900	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.12	67	64922	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.36	98	195678	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.66	79	21180	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.13	63	112106	51.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.36%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43940	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	59539	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	9002	0.571 ug/L	95
3) Chloromethane	1.14	50	33120	2.174 ug/L #	75
6) Bromomethane	1.51	94	1137	0.149 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	863	0.083 ug/L #	24
13) Acetone	2.19	43	4215	2.307 ug/L	78
17) Methyl tert-butyl Ether	2.81	73	4511	0.168 ug/L #	87
22) cis-1,2-Dichloroethene	3.96	96	51740	4.146 ug/L #	90
25) Chloroform	4.42	83	12488	0.544 ug/L	98
34) Trichloroethene	5.96	95	34387	2.834 ug/L	98
37) 1,2-Dichloropropane	6.12	63	8185	0.700 ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	2083	0.122 ug/L #	63
47) Tetrachloroethene	8.02	164	13078	1.491 ug/L	98
49) Dibromochloromethane	8.02	129	11897	1.400 ug/L #	13

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

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
P025-SMITH-1906-01

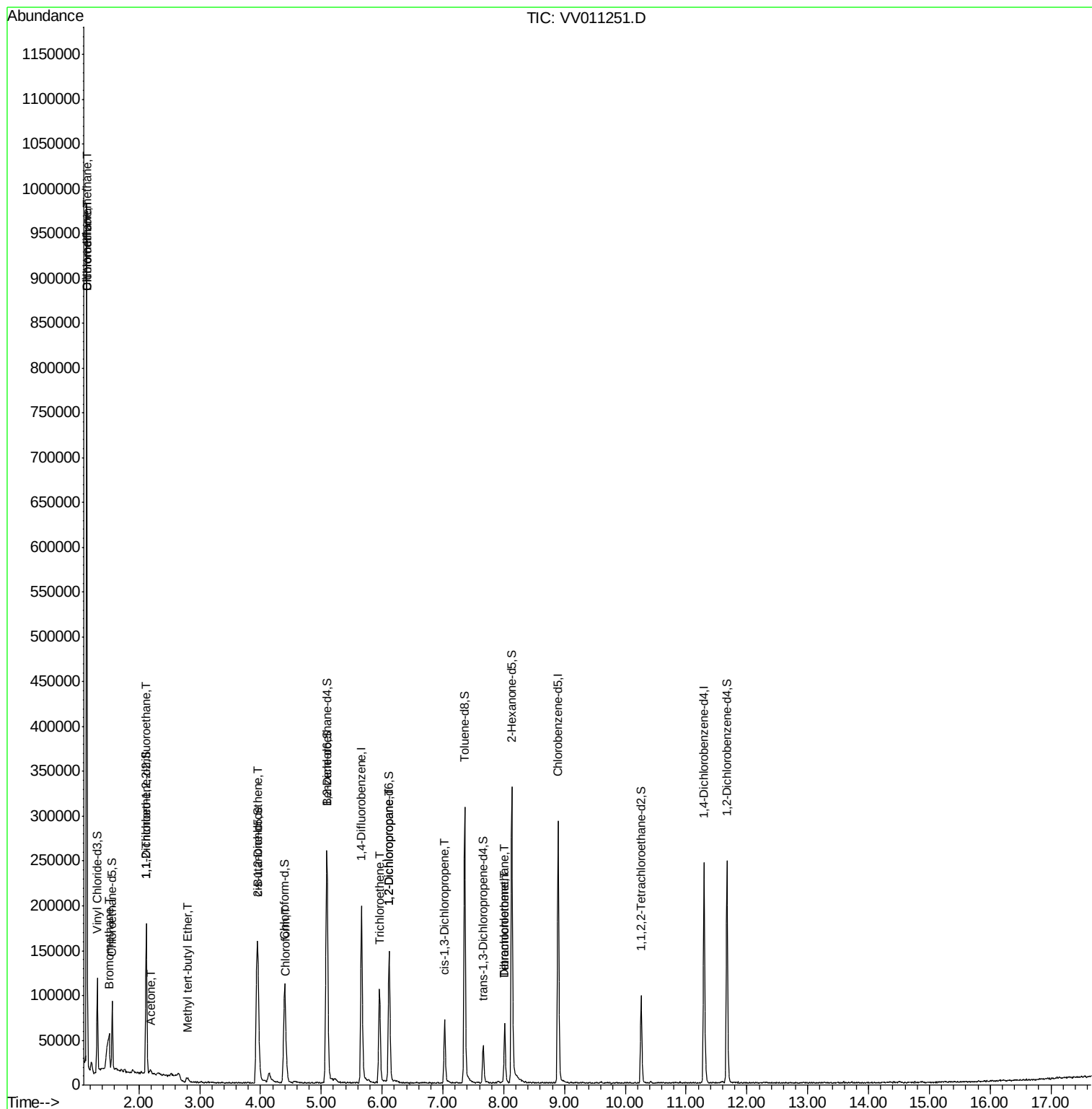
Quant Time: Jun 07 01:32:52 2019

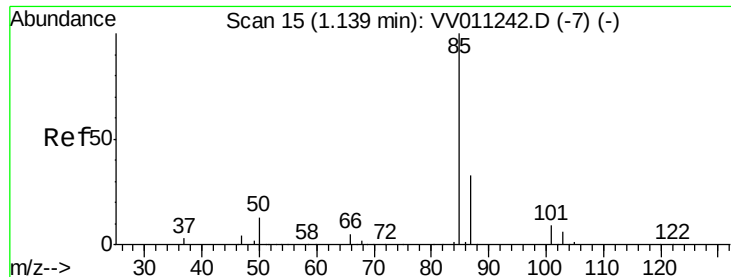
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Jun 07 01:28:31 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.571 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV011251.D

Acq: 06 Jun 2019 18:00

Instrument :

MSVOA_V

ClientSampleId :

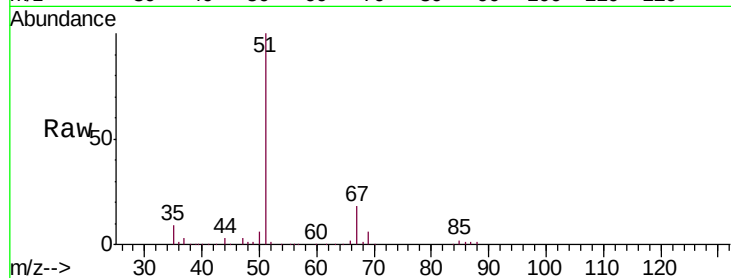
P025-SMITH-1906-01

Tgt Ion: 85 Resp: 9002

Ion Ratio Lower Upper

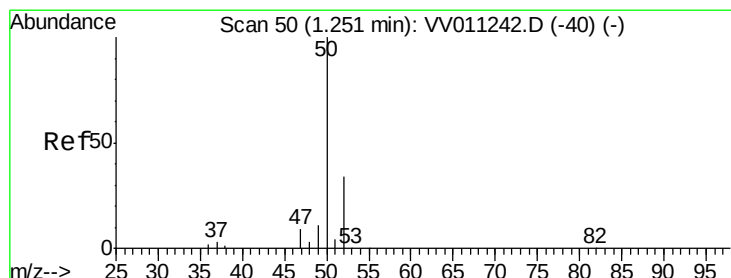
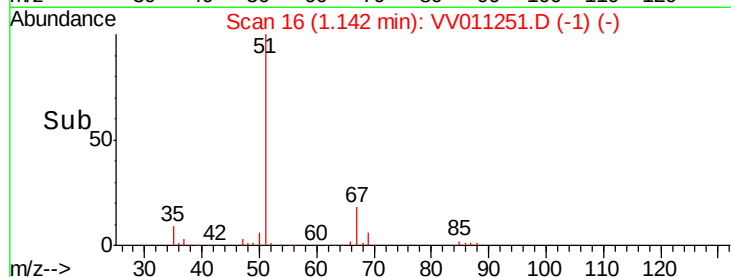
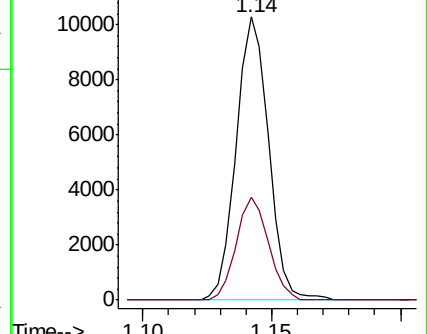
85 100

87 35.9 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.174 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.11 min

Lab File: VV011251.D

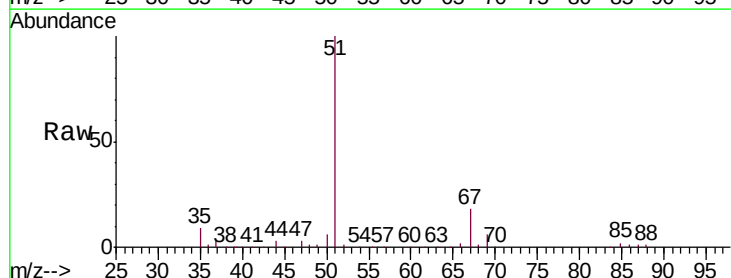
Acq: 06 Jun 2019 18:00

Tgt Ion: 50 Resp: 33120

Ion Ratio Lower Upper

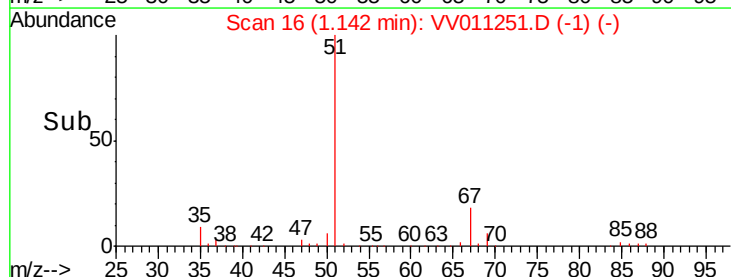
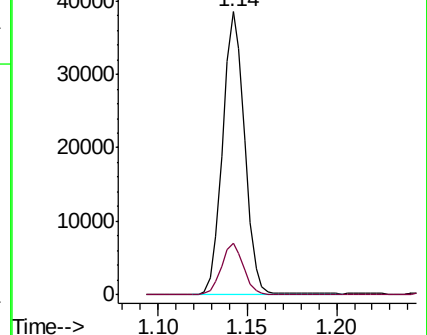
50 100

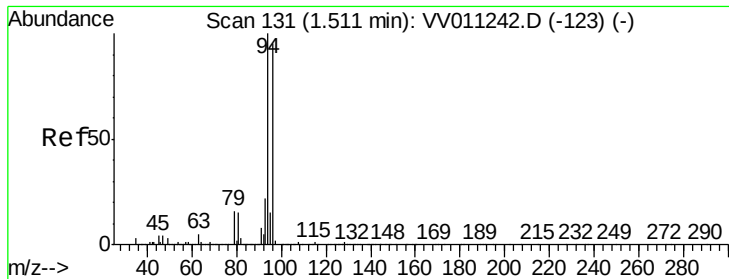
52 18.2 22.3 41.5#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#6

Bromomethane

Concen: 0.149 ug/L

RT: 1.51 min Scan# 131

Delta R.T. 0.00 min

Lab File: VV011251.D

Acq: 06 Jun 2019 18:00

Instrument :

MSVOA_V

ClientSampleId :

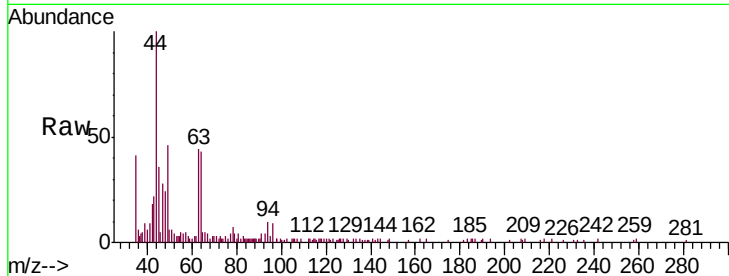
P025-SMITH-1906-01

Tgt Ion: 94 Resp: 1137

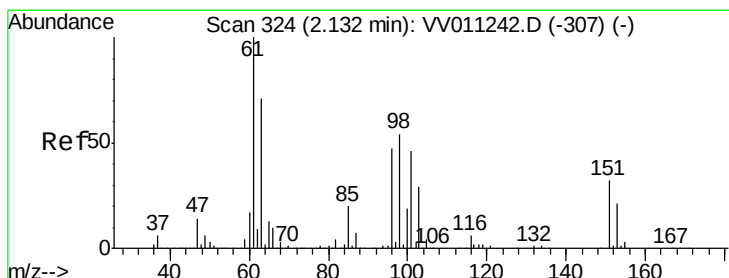
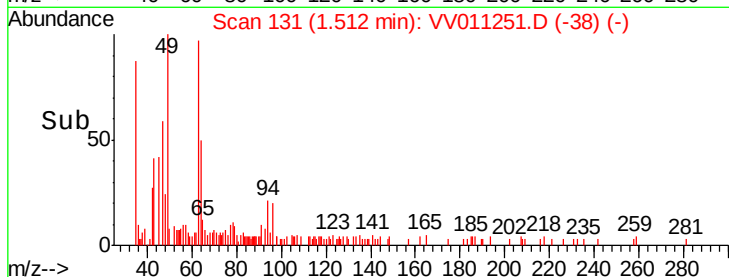
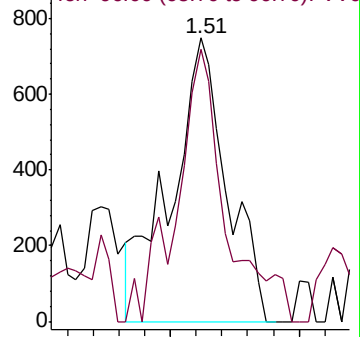
Ion Ratio Lower Upper

94 100

96 96.3 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV011242.D (-123) (-)



#10

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

Concen: 0.083 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV011251.D

Acq: 06 Jun 2019 18:00

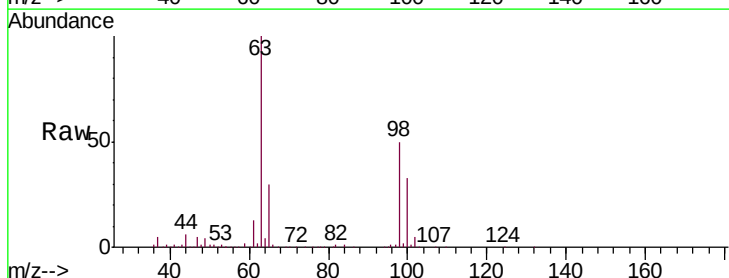
Tgt Ion: 101 Resp: 863

Ion Ratio Lower Upper

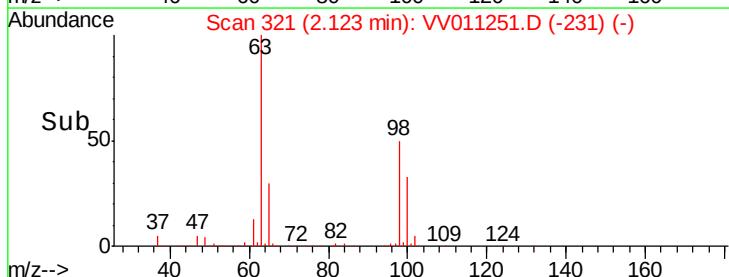
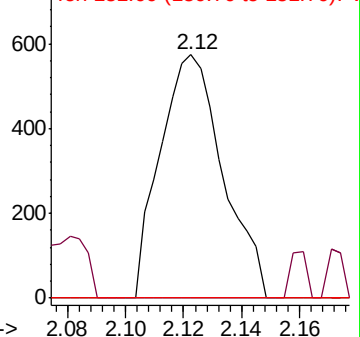
101 100

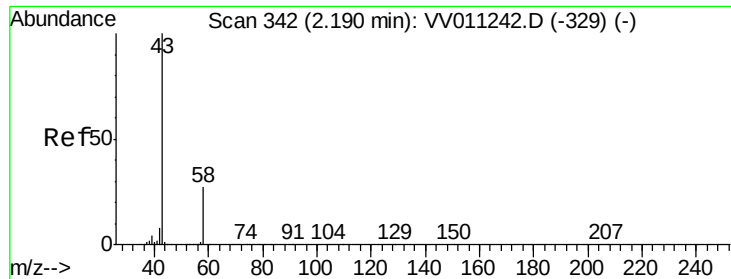
85 4.9 35.5 53.3#

151 0.0 56.9 85.3#



Abundance Ion 101.00 (100.70 to 101.70): VV011242.D (-307) (-)





#13

Acetone

Concen: 2.307 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV011251.D

Acq: 06 Jun 2019 18:00

Instrument :

MSVOA_V

ClientSampleId :

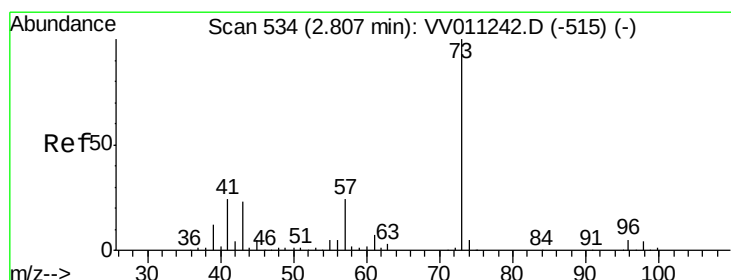
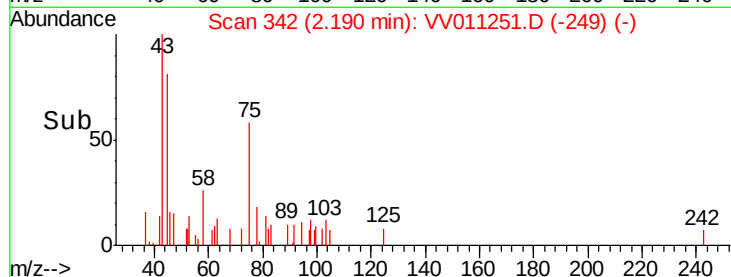
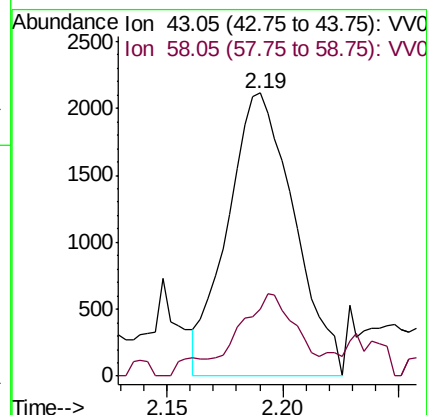
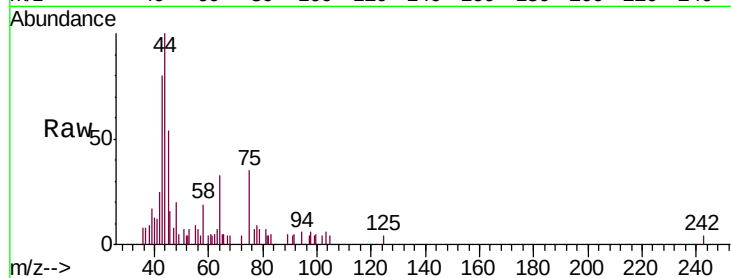
P025-SMITH-1906-01

Tgt Ion: 43 Resp: 4215

Ion Ratio Lower Upper

43 100

58 16.0 0.0 55.2



#17

Methyl tert-butyl Ether

Concen: 0.168 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV011251.D

Acq: 06 Jun 2019 18:00

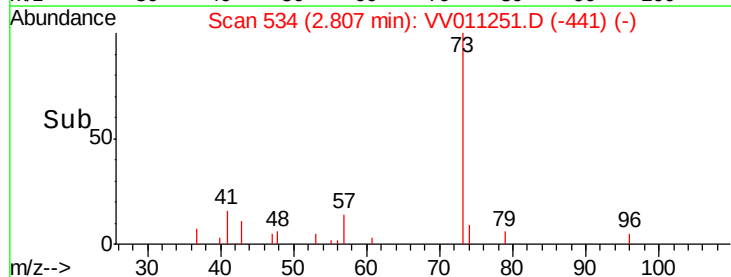
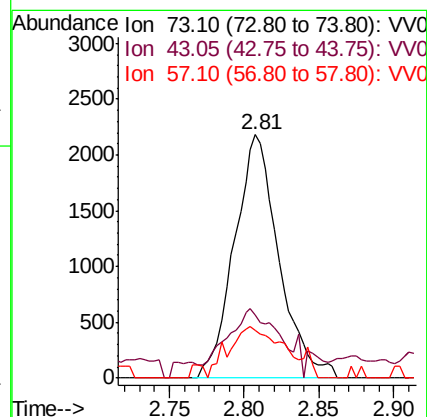
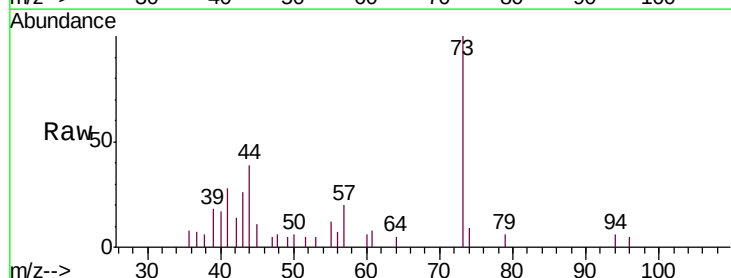
Tgt Ion: 73 Resp: 4511

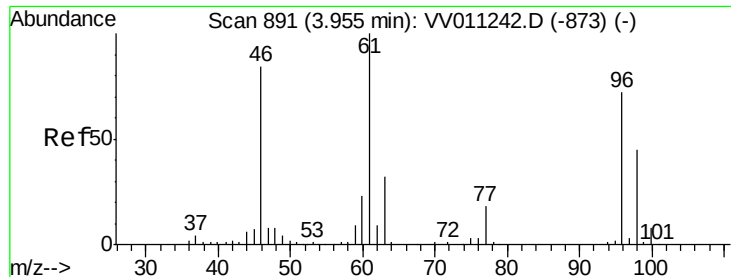
Ion Ratio Lower Upper

73 100

43 34.1 18.7 28.1#

57 24.7 18.1 27.1





#22

cis-1,2-Dichloroethene

Concen: 4.146 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV011251.D

Acq: 06 Jun 2019 18:00

Instrument :

MSVOA_V

ClientSampleId :

P025-SMITH-1906-01

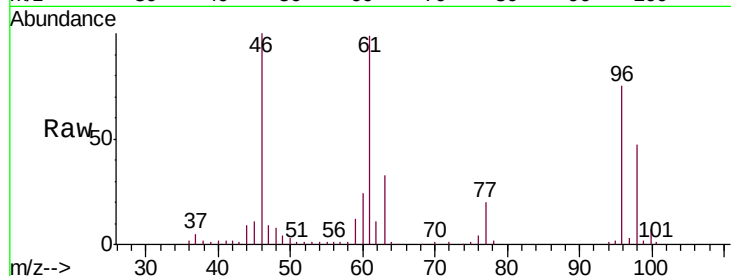
Tgt Ion: 96 Resp: 51740

Ion Ratio Lower Upper

96 100

61 131.8 100.8 187.2

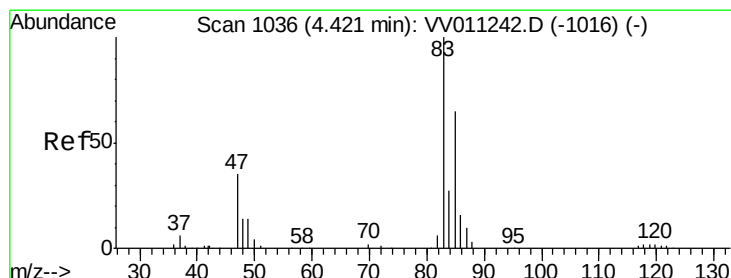
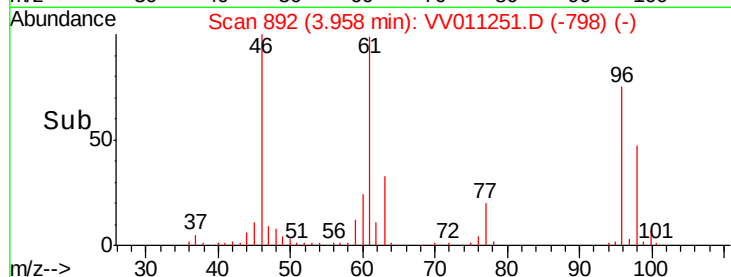
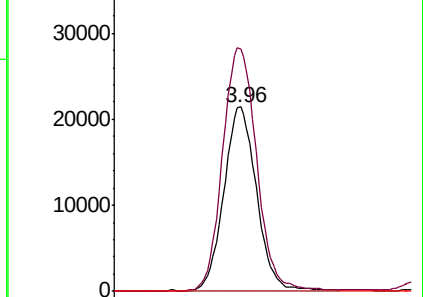
68 0.5 0.0 0.0#



Abundance Ion 96.00 (95.70 to 96.70): VV011242.D (-873) (-)

Ion 61.05 (60.75 to 61.75): VV011242.D (-873) (-)

Ion 68.15 (67.85 to 68.85): VV011242.D (-873) (-)



#25

Chloroform

Concen: 0.544 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV011251.D

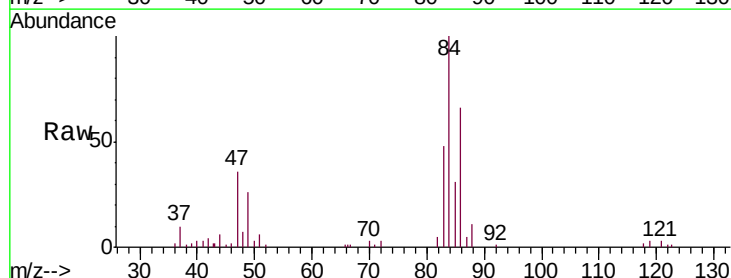
Acq: 06 Jun 2019 18:00

Tgt Ion: 83 Resp: 12488

Ion Ratio Lower Upper

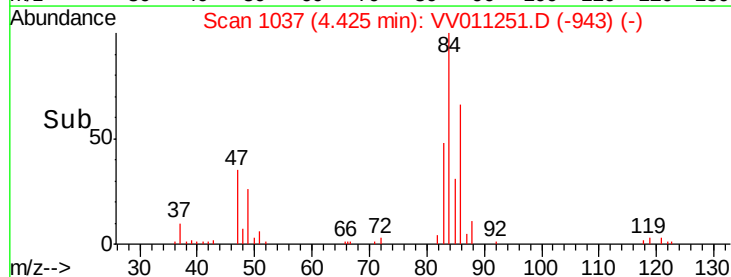
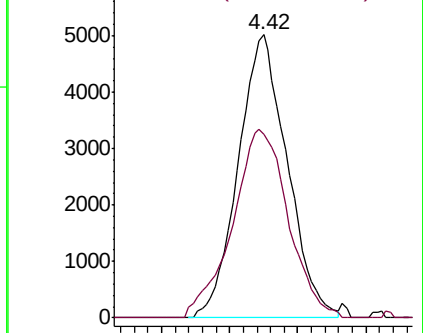
83 100

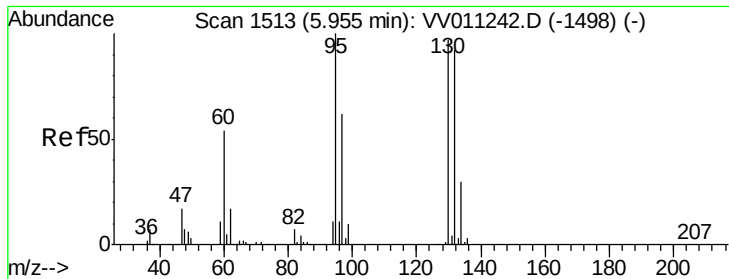
85 64.7 44.1 81.9



Abundance Ion 83.05 (82.75 to 83.75): VV011242.D (-1016) (-)

Ion 85.00 (84.70 to 85.70): VV011242.D (-1016) (-)





#34

Trichloroethene

Concen: 2.834 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011251.D

Acq: 06 Jun 2019 18:00

Instrument :

MSVOA_V

ClientSampleId :

P025-SMITH-1906-01

Tgt Ion: 95 Resp: 34387

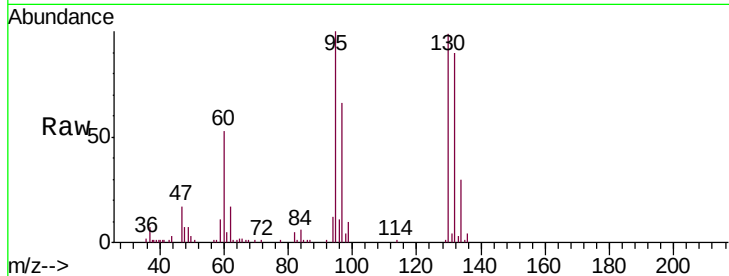
Ion Ratio Lower Upper

95 100

97 66.0 45.8 85.2

132 90.2 66.4 123.2

130 98.8 68.3 126.8

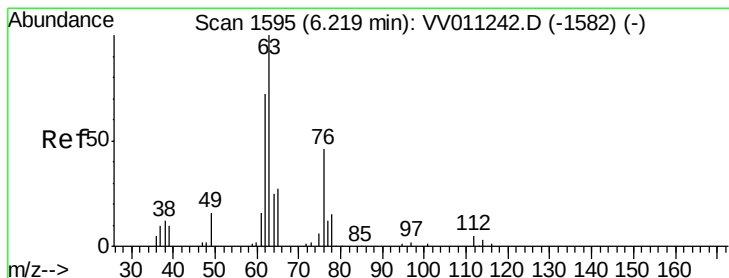
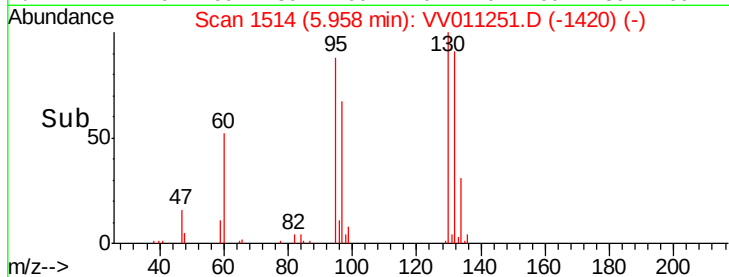
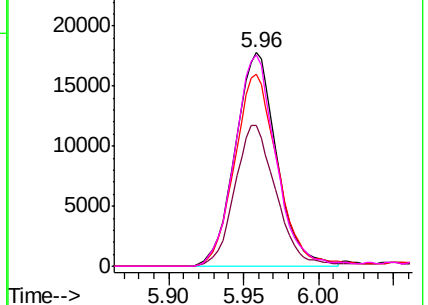


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#37

1,2-Dichloropropane

Concen: 0.700 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV011251.D

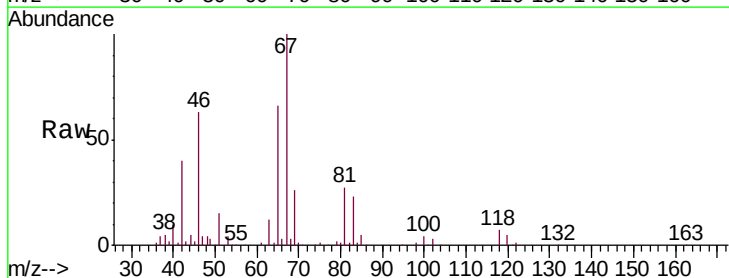
Acq: 06 Jun 2019 18:00

Tgt Ion: 63 Resp: 8185

Ion Ratio Lower Upper

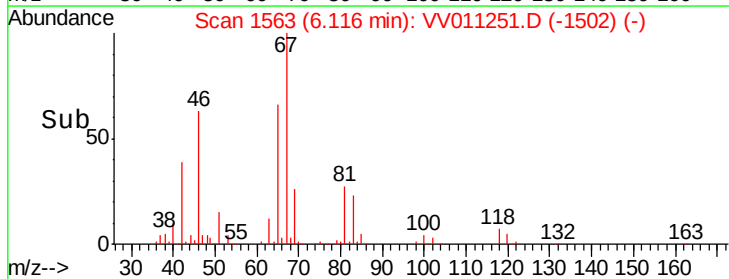
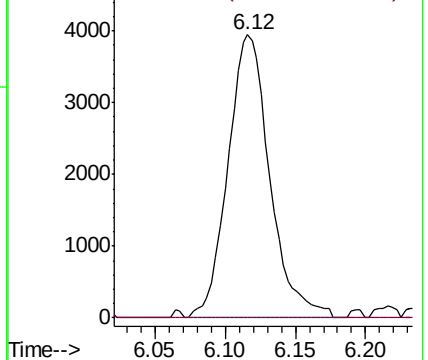
63 100

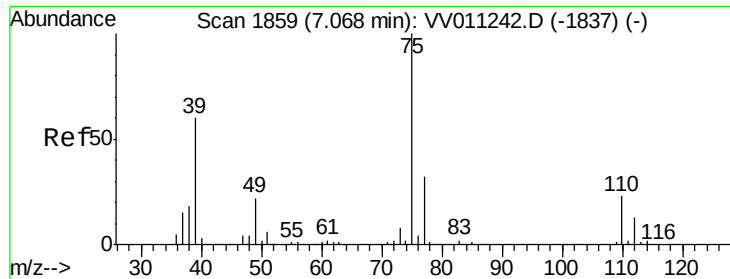
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

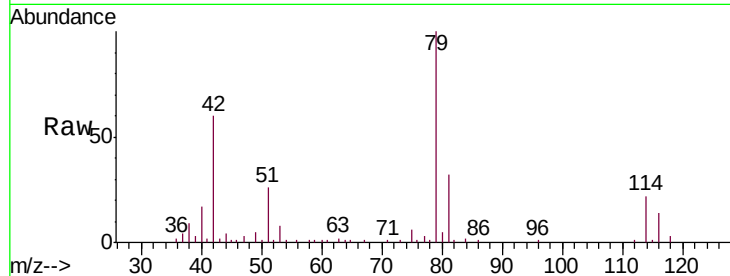




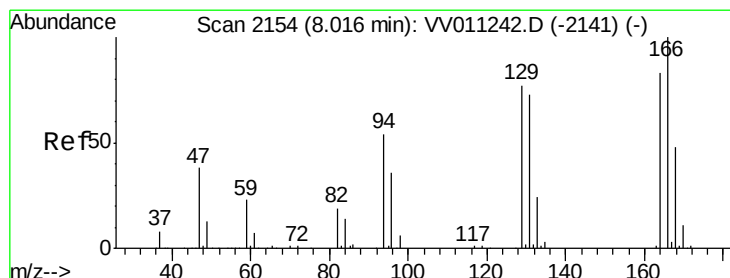
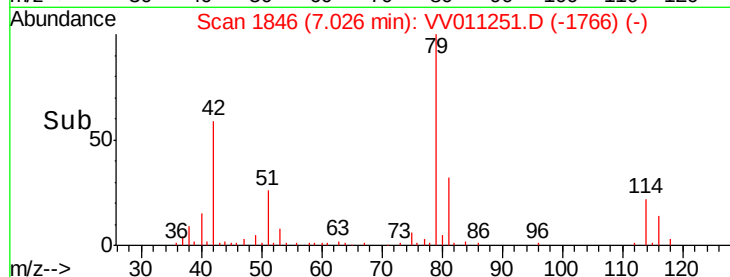
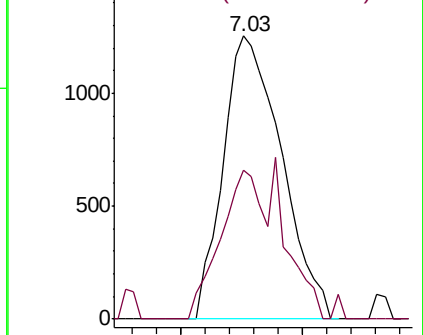
#39
 cis-1,3-Dichloropropene
 Concen: 0.122 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV011251.D
 Acq: 06 Jun 2019 18:00

Instrument :
 MSVOA_V
 ClientSampleId :
 P025-SMITH-1906-01

Tgt Ion: 75 Resp: 2083
 Ion Ratio Lower Upper
 75 100
 77 52.5 22.2 41.2#

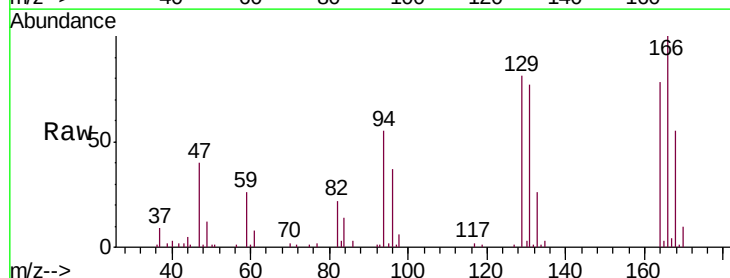


Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0

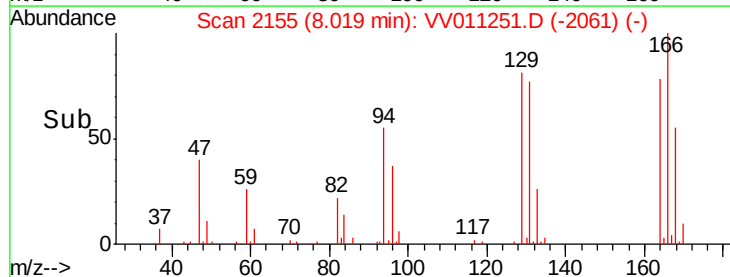
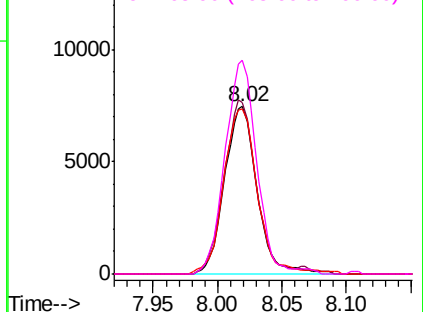


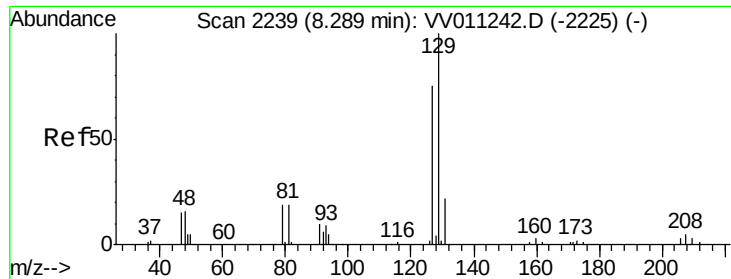
#47
 Tetrachloroethene
 Concen: 1.491 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV011251.D
 Acq: 06 Jun 2019 18:00

Tgt Ion:164 Resp: 13078
 Ion Ratio Lower Upper
 164 100
 129 103.0 69.9 129.9
 131 98.8 66.8 124.2
 166 127.8 90.2 167.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V





#49

Dibromochloromethane

Concen: 1.400 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV011251.D

Acq: 06 Jun 2019 18:00

Instrument :

MSVOA_V

ClientSampleId :

P025-SMITH-1906-01

Tgt Ion:129 Resp: 11897

Ion Ratio Lower Upper

129 100

127 1.5 53.7 99.7#

