

Data File : VV011252.D
Acq On : 06 Jun 2019 18:27
Operator : SY/MD
Sample : K3230-02
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
P025-SMITH-1906-02

Quant Time: Jun 07 01:33:00 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	160036	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	150464	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	62655	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54618	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.56	69	45304	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.12	63	87810	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	3.94	46	133537	48.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.82%
24) Chloroform-d	4.40	84	98438	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.08	65	55694	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.10	84	205939	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.12	67	63905	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.36	98	191371	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.67	79	20115	3.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.20%
46) 2-Hexanone-d5	8.13	63	108993	48.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.62%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43703	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	61816	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8771	0.556 ug/L	95
3) Chloromethane	1.14	50	31880	2.089 ug/L #	76
6) Bromomethane	1.51	94	1150	0.150 ug/L	82
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	846	0.082 ug/L #	24
13) Acetone	2.19	43	3116	1.702 ug/L	88
17) Methyl tert-butyl Ether	2.80	73	4376	0.163 ug/L #	85
21) 2-Butanone	4.14	43	19868	7.048 ug/L #	50
22) cis-1,2-Dichloroethene	3.96	96	49136	3.930 ug/L #	98
25) Chloroform	4.42	83	12533	0.545 ug/L	96
34) Trichloroethene	5.96	95	33664	2.722 ug/L	99
35) Methylcyclohexane	6.12	83	15558	0.761 ug/L #	16
39) cis-1,3-Dichloropropene	7.03	75	2031	0.116 ug/L #	72
44) trans-1,3-Dichloropropene	7.66	75	1255	0.095 ug/L #	73
47) Tetrachloroethene	8.02	164	13375	1.496 ug/L	97
49) Dibromochloromethane	8.02	129	11715	1.352 ug/L #	11
66) 1,2-Dibromo-3-chloropropan	12.75	75	196	0.143 ug/L #	8

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 07 01:28:31 2019
Response via : Initial Calibration

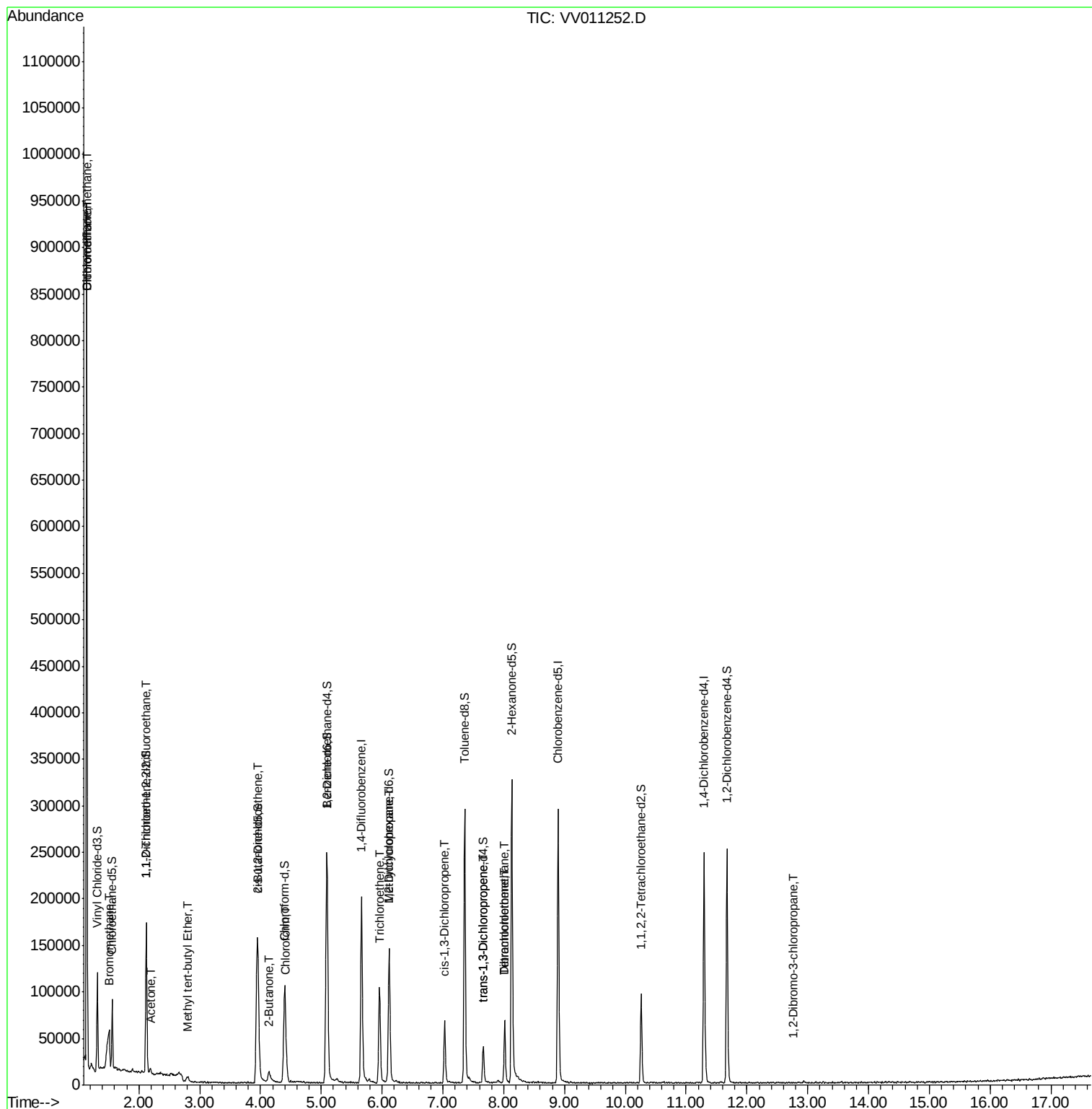
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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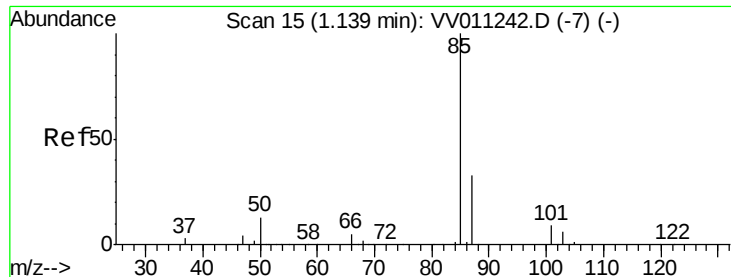
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 07 01:28:31 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.556 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV011252.D

Acq: 06 Jun 2019 18:27

Instrument :

MSVOA_V

ClientSampleId :

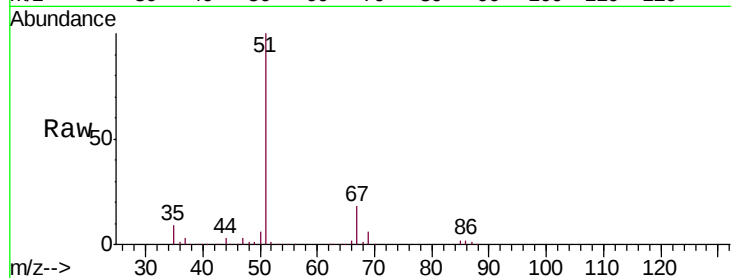
P025-SMITH-1906-02

Tgt Ion: 85 Resp: 8771

Ion Ratio Lower Upper

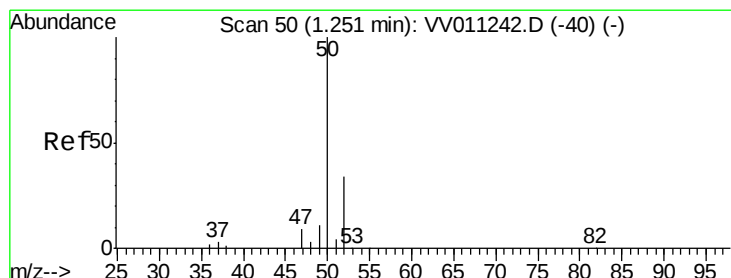
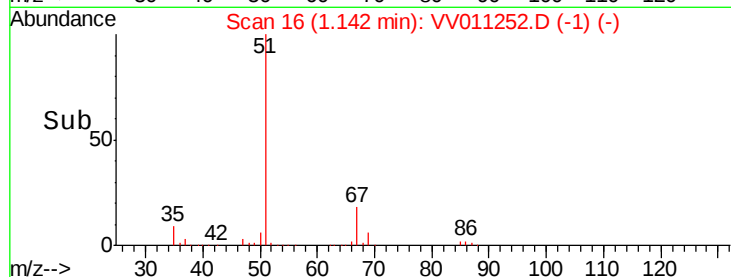
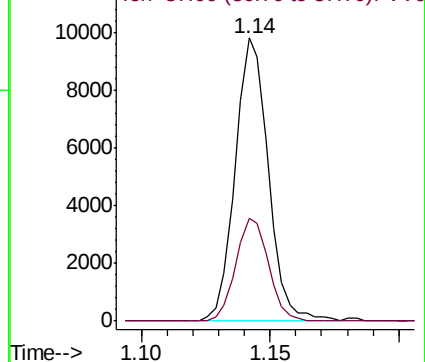
85 100

87 35.8 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: 2.089 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.11 min

Lab File: VV011252.D

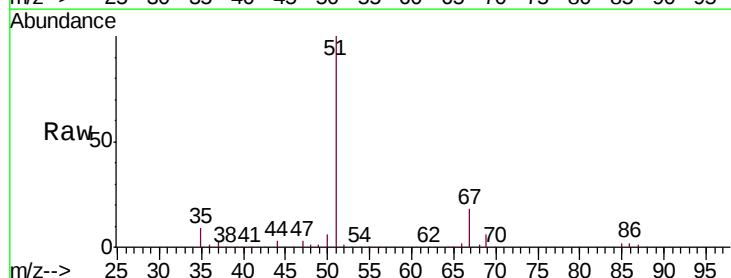
Acq: 06 Jun 2019 18:27

Tgt Ion: 50 Resp: 31880

Ion Ratio Lower Upper

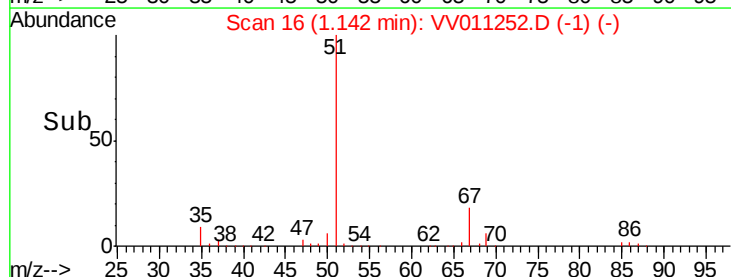
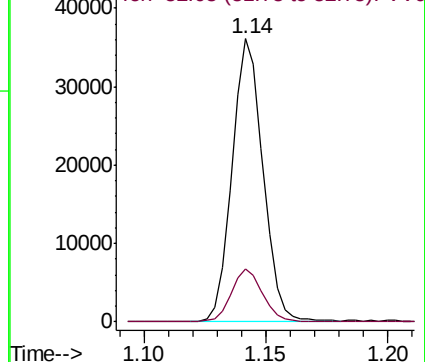
50 100

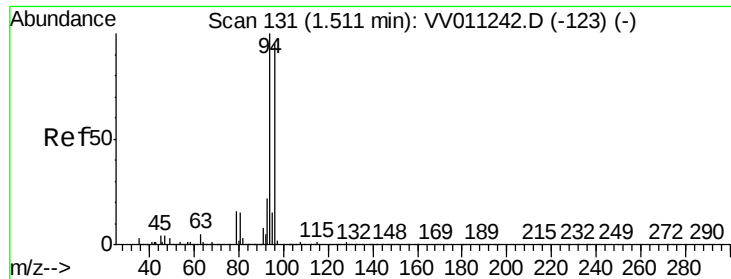
52 18.7 22.3 41.5#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#6

Bromomethane

Concen: 0.150 ug/L

RT: 1.51 min Scan# 131

Delta R.T. 0.00 min

Lab File: VV011252.D

Acq: 06 Jun 2019 18:27

Instrument :

MSVOA_V

ClientSampleId :

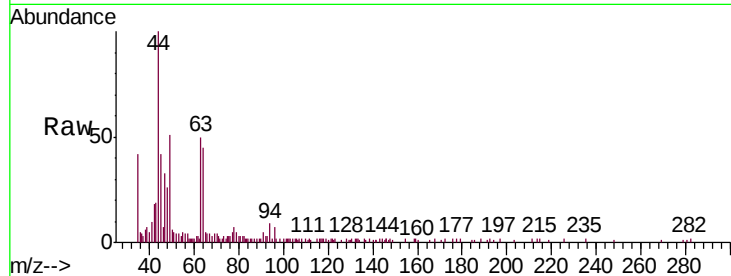
P025-SMITH-1906-02

Tgt Ion: 94 Resp: 1150

Ion Ratio Lower Upper

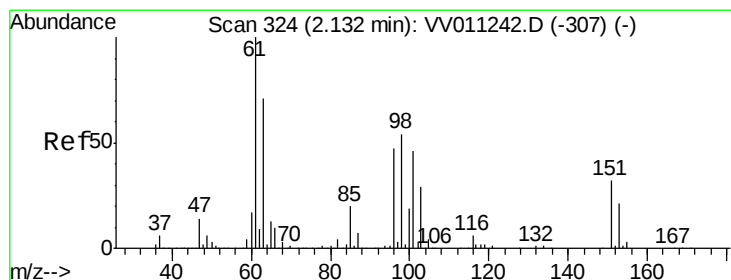
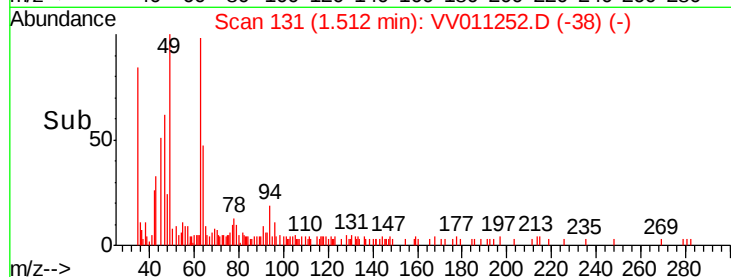
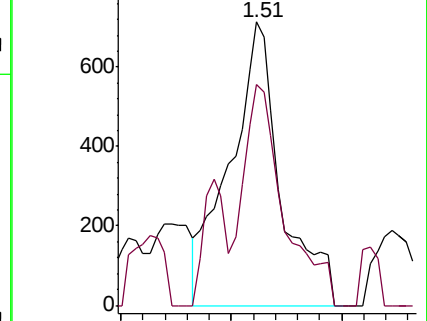
94 100

96 77.8 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0



#10

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

Concen: 0.082 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV011252.D

Acq: 06 Jun 2019 18:27

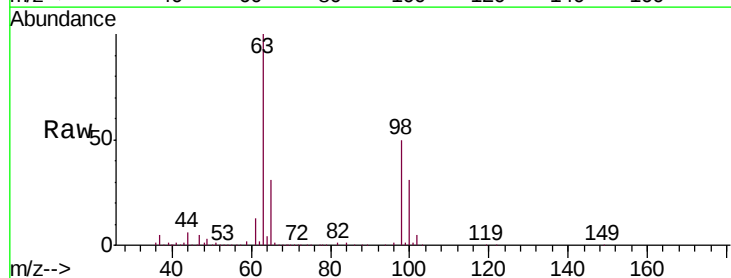
Tgt Ion: 101 Resp: 846

Ion Ratio Lower Upper

101 100

85 4.8 35.5 53.3#

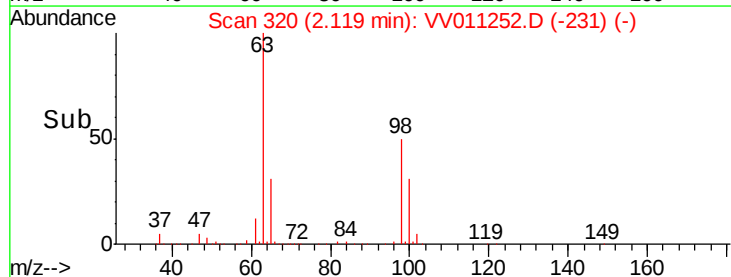
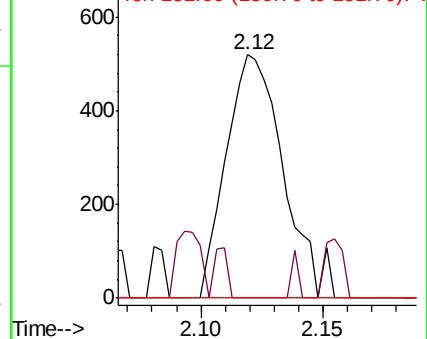
151 0.0 56.9 85.3#

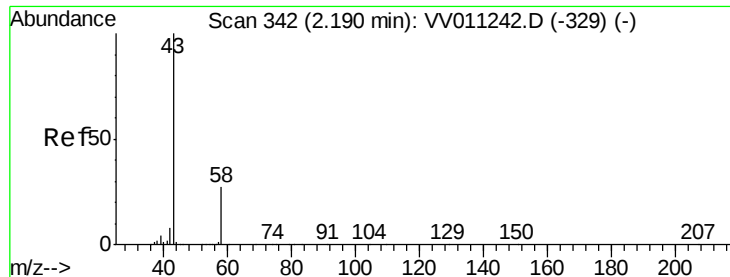


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 1.702 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV011252.D

Acq: 06 Jun 2019 18:27

Instrument :

MSVOA_V

ClientSampleId :

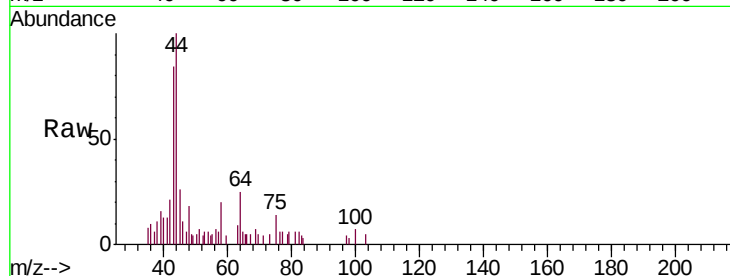
P025-SMITH-1906-02

Tgt Ion: 43 Resp: 3116

Ion Ratio Lower Upper

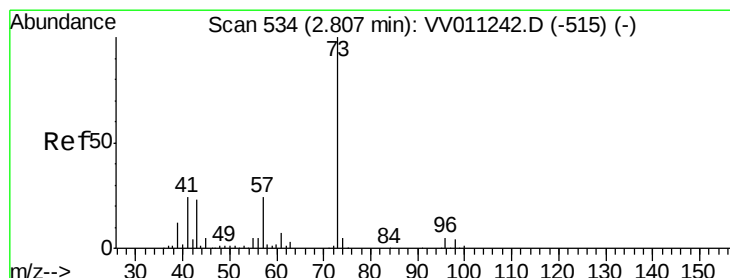
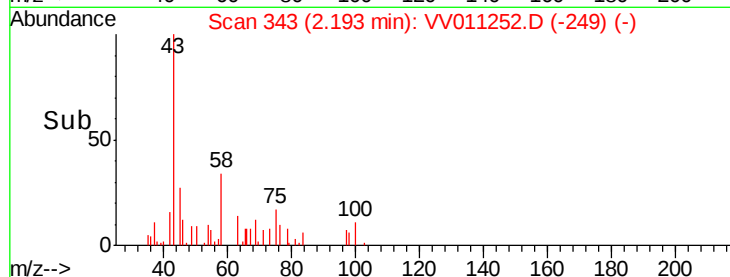
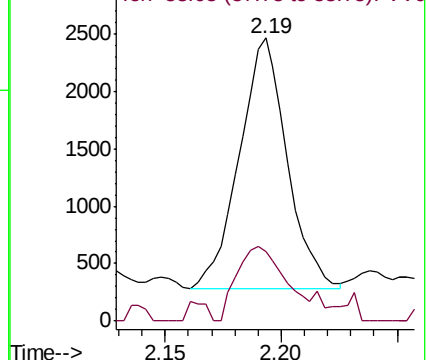
43 100

58 33.7 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#17

Methyl tert-butyl Ether

Concen: 0.163 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV011252.D

Acq: 06 Jun 2019 18:27

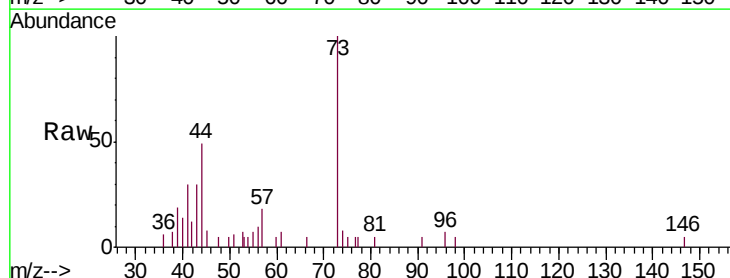
Tgt Ion: 73 Resp: 4376

Ion Ratio Lower Upper

73 100

43 24.4 18.7 28.1

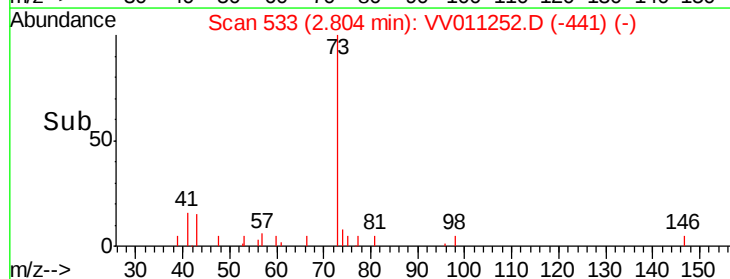
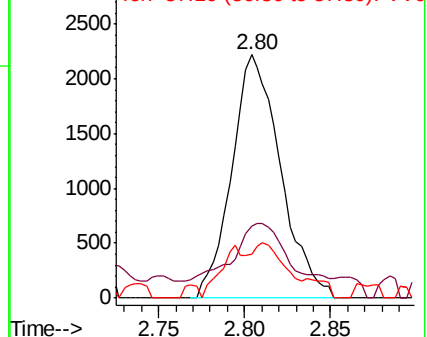
57 8.8 18.1 27.1#

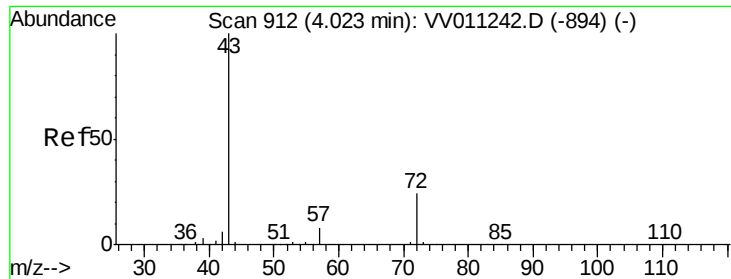


Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0





#21

2-Butanone

Concen: 7.048 ug/L

RT: 4.14 min Scan# 948

Delta R.T. 0.12 min

Lab File: VV011252.D

Acq: 06 Jun 2019 18:27

Instrument :

MSVOA_V

ClientSampleId :

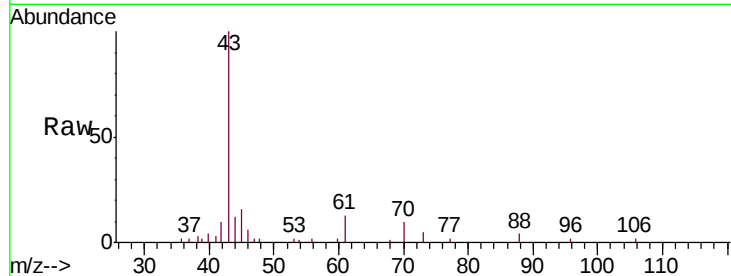
P025-SMITH-1906-02

Tgt Ion: 43 Resp: 19868

Ion Ratio Lower Upper

43 100

72 0.2 12.7 38.1#



Abundance Ion 43.05 (42.75 to 43.75): VV011252.D (-819) (-)

Ion 72.10 (71.80 to 72.80): VV011252.D (-819) (-)

4.14

8000

6000

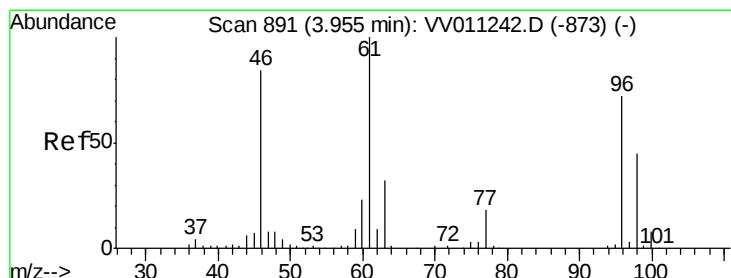
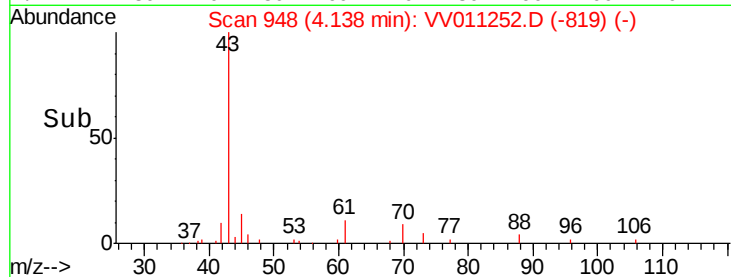
4000

2000

0

Time-->

4.00 4.10 4.20 4.30



#22

cis-1,2-Dichloroethene

Concen: 3.930 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV011252.D

Acq: 06 Jun 2019 18:27

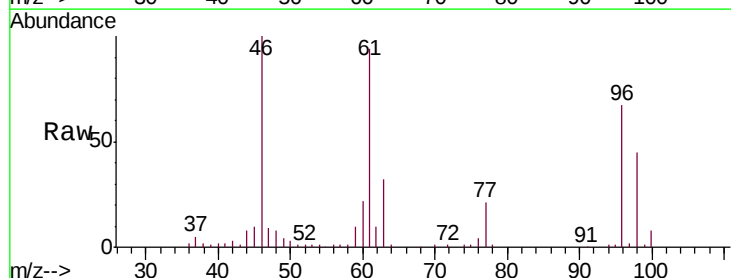
Tgt Ion: 96 Resp: 49136

Ion Ratio Lower Upper

96 100

61 140.9 100.8 187.2

68 0.6 0.0 0.0#



Abundance Ion 96.00 (95.70 to 96.70): VV011252.D (-798) (-)

Ion 61.05 (60.75 to 61.75): VV011252.D (-798) (-)

Ion 68.15 (67.85 to 68.85): VV011252.D (-798) (-)

3.96

30000

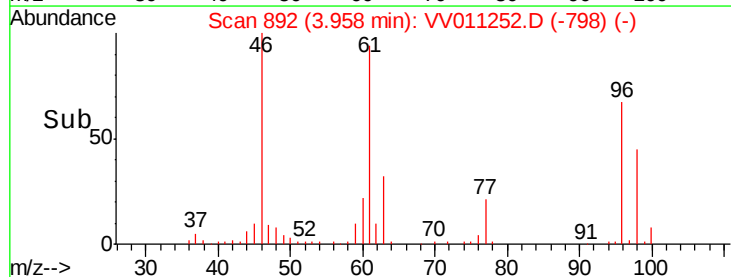
20000

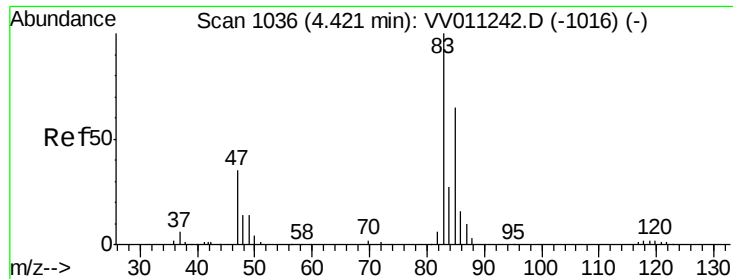
10000

0

Time-->

3.85 3.90 3.95 4.00 4.05

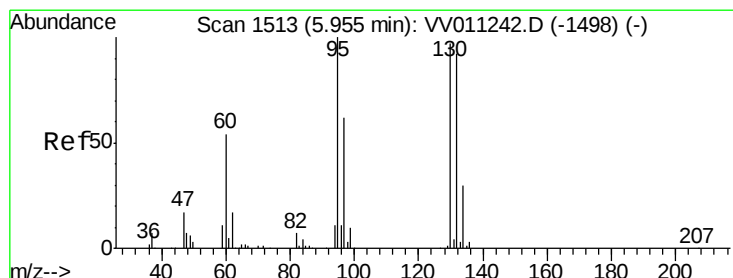
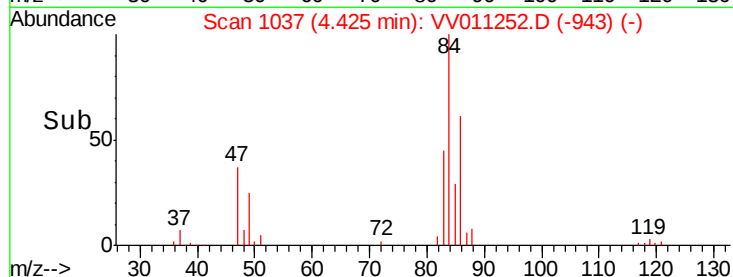
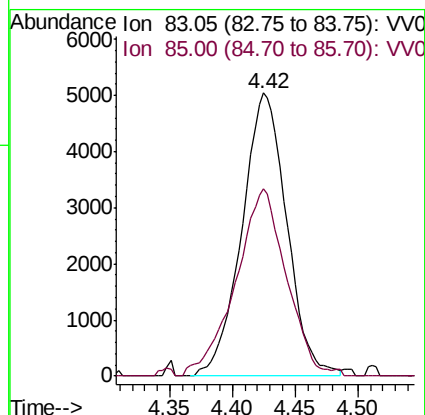
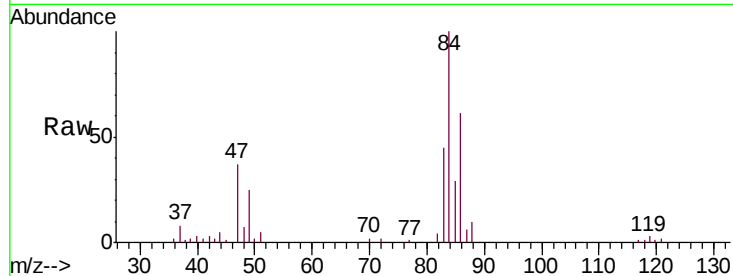




#25
Chloroform
Concen: 0.545 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011252.D
Acq: 06 Jun 2019 18:27

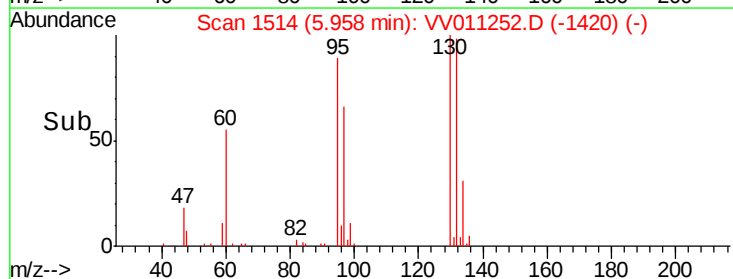
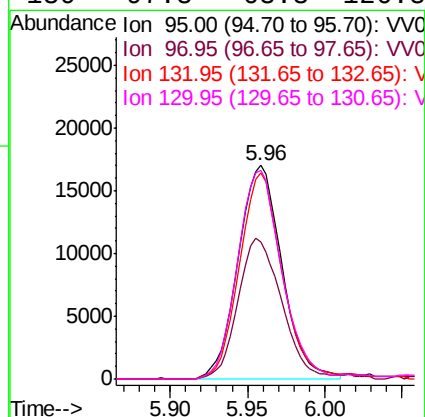
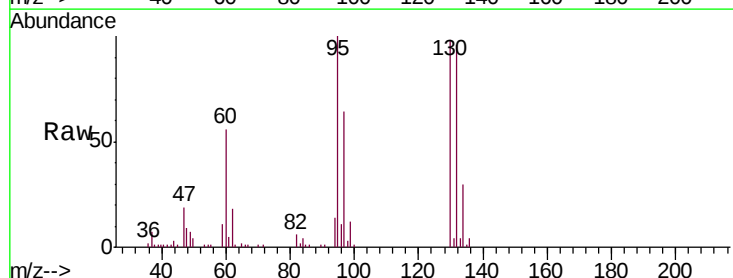
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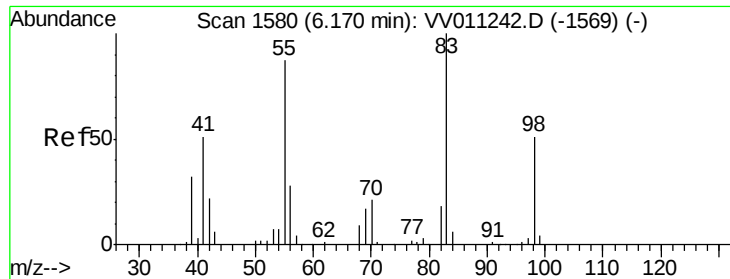
Tgt Ion: 83 Resp: 12533
Ion Ratio Lower Upper
83 100
85 66.2 44.1 81.9



#34
Trichloroethene
Concen: 2.722 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV011252.D
Acq: 06 Jun 2019 18:27

Tgt Ion: 95 Resp: 33664
Ion Ratio Lower Upper
95 100
97 64.4 45.8 85.2
132 96.3 66.4 123.2
130 97.8 68.3 126.8

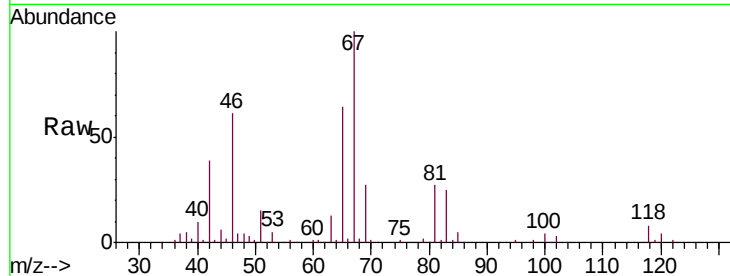




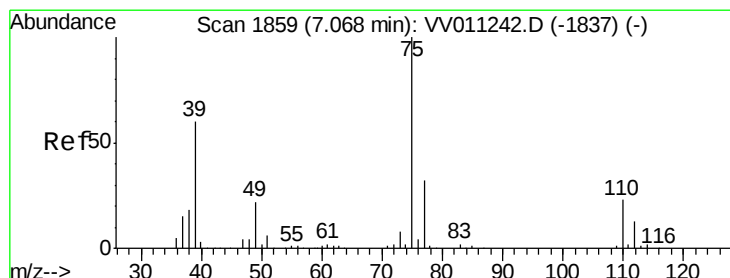
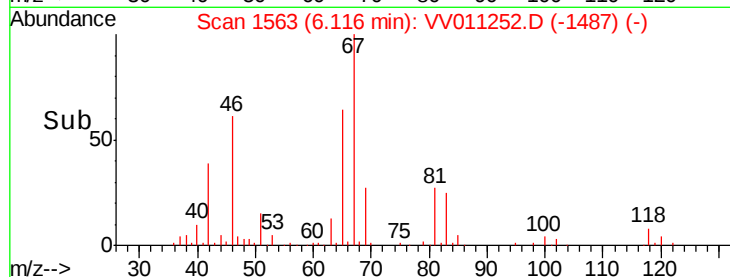
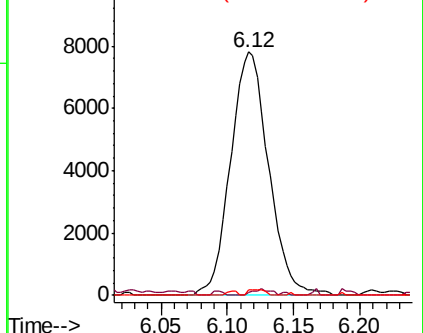
#35
Methylcyclohexane
Concen: 0.761 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV011252.D
Acq: 06 Jun 2019 18:27

Instrument :
MSVOA_V
ClientSampleId :
P025-SMITH-1906-02

Tgt Ion: 83 Resp: 15558
Ion Ratio Lower Upper
83 100
55 1.2 67.0 100.6#
98 1.0 40.0 60.0#

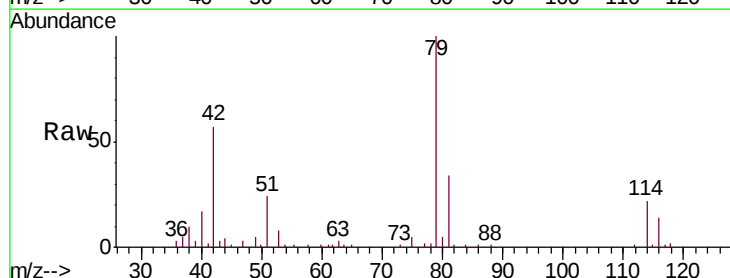


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

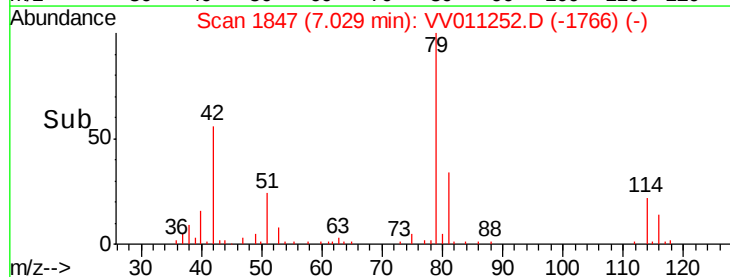
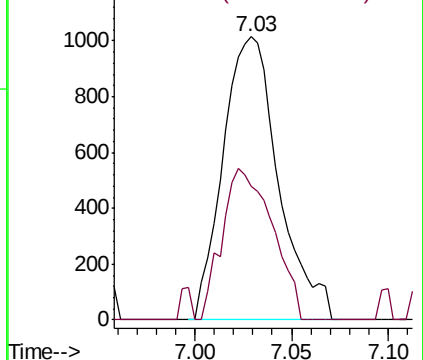


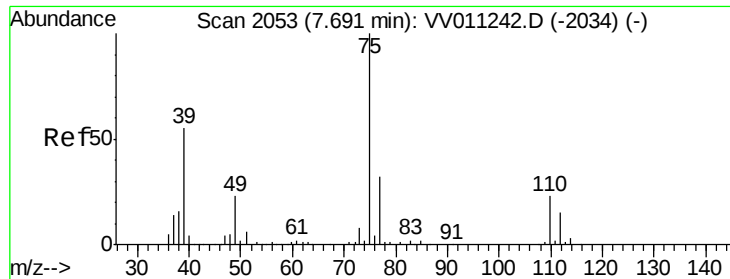
#39
cis-1,3-Dichloropropene
Concen: 0.116 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV011252.D
Acq: 06 Jun 2019 18:27

Tgt Ion: 75 Resp: 2031
Ion Ratio Lower Upper
75 100
77 47.0 22.2 41.2#



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





#44

trans-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV011252.D

Acq: 06 Jun 2019 18:27

Instrument :

MSVOA_V

ClientSampleId :

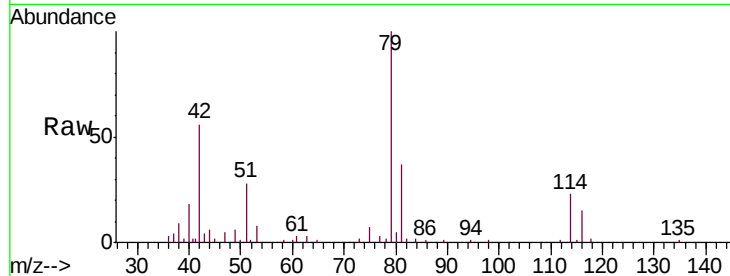
P025-SMITH-1906-02

Tgt Ion: 75 Resp: 1255

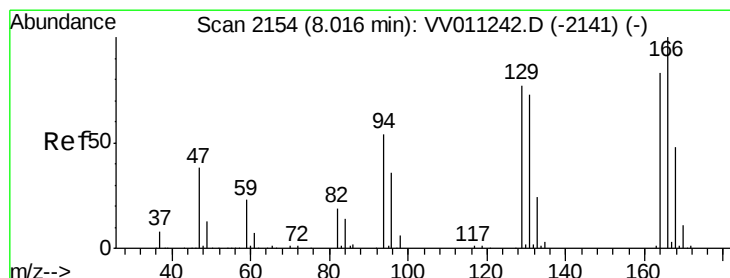
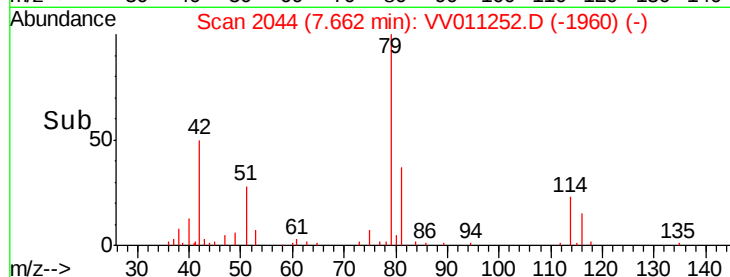
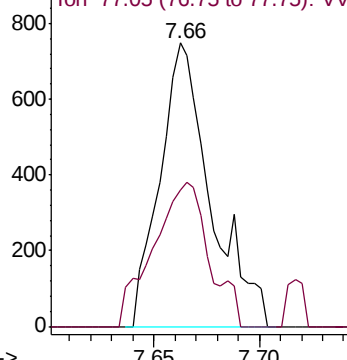
Ion Ratio Lower Upper

75 100

77 48.4 23.1 42.9#



Abundance Ion 75.05 (74.75 to 75.75): VV011252.D (-1960) (-)



#47

Tetrachloroethene

Concen: 1.496 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV011252.D

Acq: 06 Jun 2019 18:27

Tgt Ion: 164 Resp: 13375

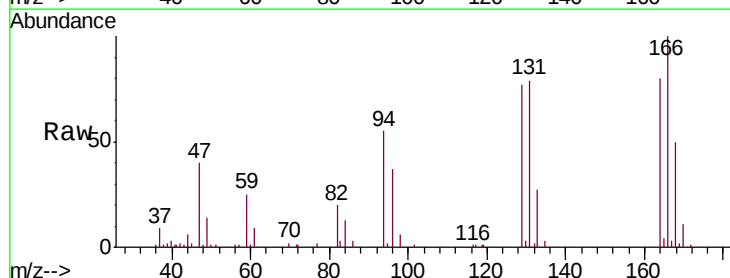
Ion Ratio Lower Upper

164 100

129 97.1 69.9 129.9

131 99.2 66.8 124.2

166 125.7 90.2 167.6

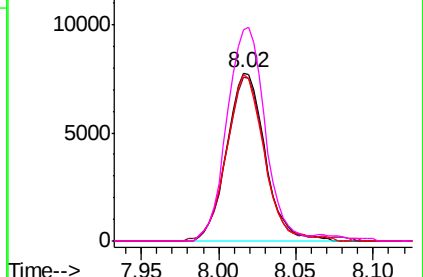
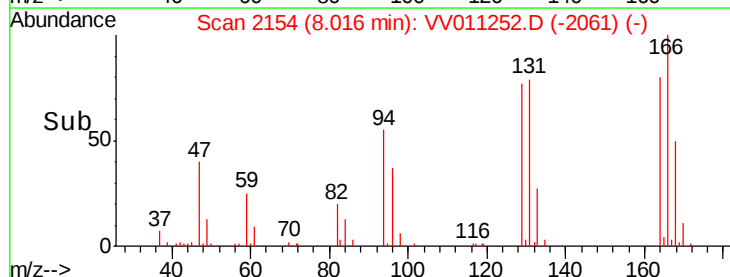


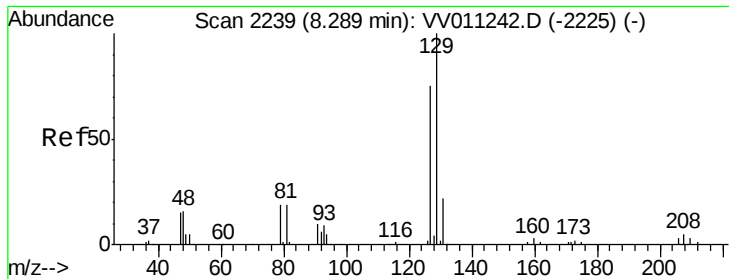
Abundance Ion 163.90 (163.60 to 164.60): VV011252.D (-2061) (-)

Ion 128.95 (128.65 to 129.65): VV011252.D (-2061) (-)

Ion 130.95 (130.65 to 131.65): VV011252.D (-2061) (-)

Ion 165.90 (165.60 to 166.60): VV011252.D (-2061) (-)





#49

Dibromochloromethane

Concen: 1.352 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV011252.D

Acq: 06 Jun 2019 18:27

Instrument :

MSVOA_V

ClientSampleId :

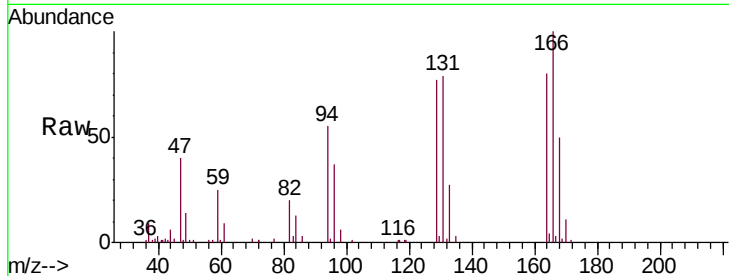
P025-SMITH-1906-02

Tgt Ion: 129 Resp: 11715

Ion Ratio Lower Upper

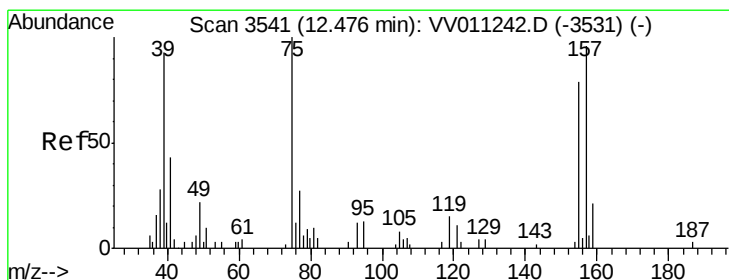
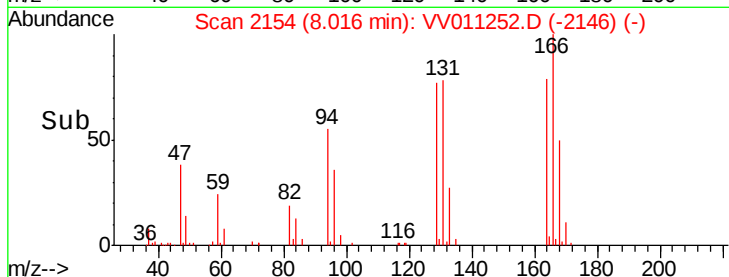
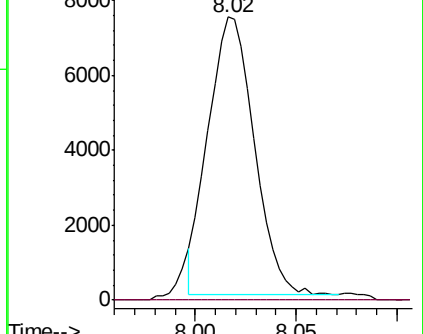
129 100

127 0.0 53.7 99.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.143 ug/L

RT: 12.75 min Scan# 3627

Delta R.T. 0.28 min

Lab File: VV011252.D

Acq: 06 Jun 2019 18:27

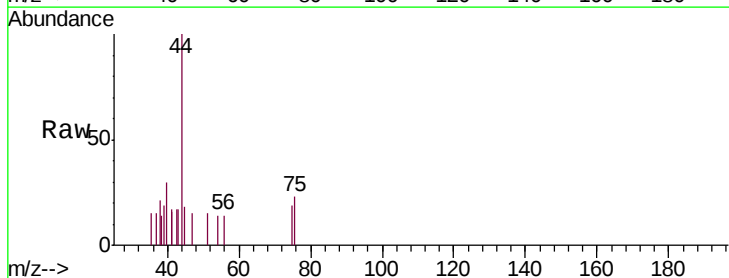
Tgt Ion: 75 Resp: 196

Ion Ratio Lower Upper

75 100

155 0.0 64.4 96.6#

157 0.0 66.7 100.1#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

