

Data File : VV009105.D
Acq On : 21 Dec 2018 01:29
Operator : SY/MD
Sample : J6468-17
Misc : 6.05 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0JH3

Quant Time: Dec 21 02:58:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 01:30:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	206490	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	170712	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58535	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	42842	20.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.20%
7) Chloroethane-d5	1.58	69	44499	28.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.76%
10) 1,1-Dichloroethene-d2	2.13	63	85250	15.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.84%
20) 2-Butanone-d5	3.94	46	41109	52.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.68%
24) Chloroform-d	4.40	84	132229	26.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.56%
26) 1,2-Dichloroethane-d4	5.08	65	81197	29.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	119.88%
29) Benzene-d6	5.10	84	252444	26.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.92%
33) 1,2-Dichloropropane-d6	6.12	67	80890	30.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	121.20%#
37) Toluene-d8	7.36	98	218909	24.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.24%
38) trans-1,3-Dichloropropene-	7.67	79	31254	26.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.60%
39) 2-Hexanone-d5	8.14	63	23788	48.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.30%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	59309	26.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.96%
61) 1,2-Dichlorobenzene-d4	11.68	152	55956	25.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.88%

Target Compounds

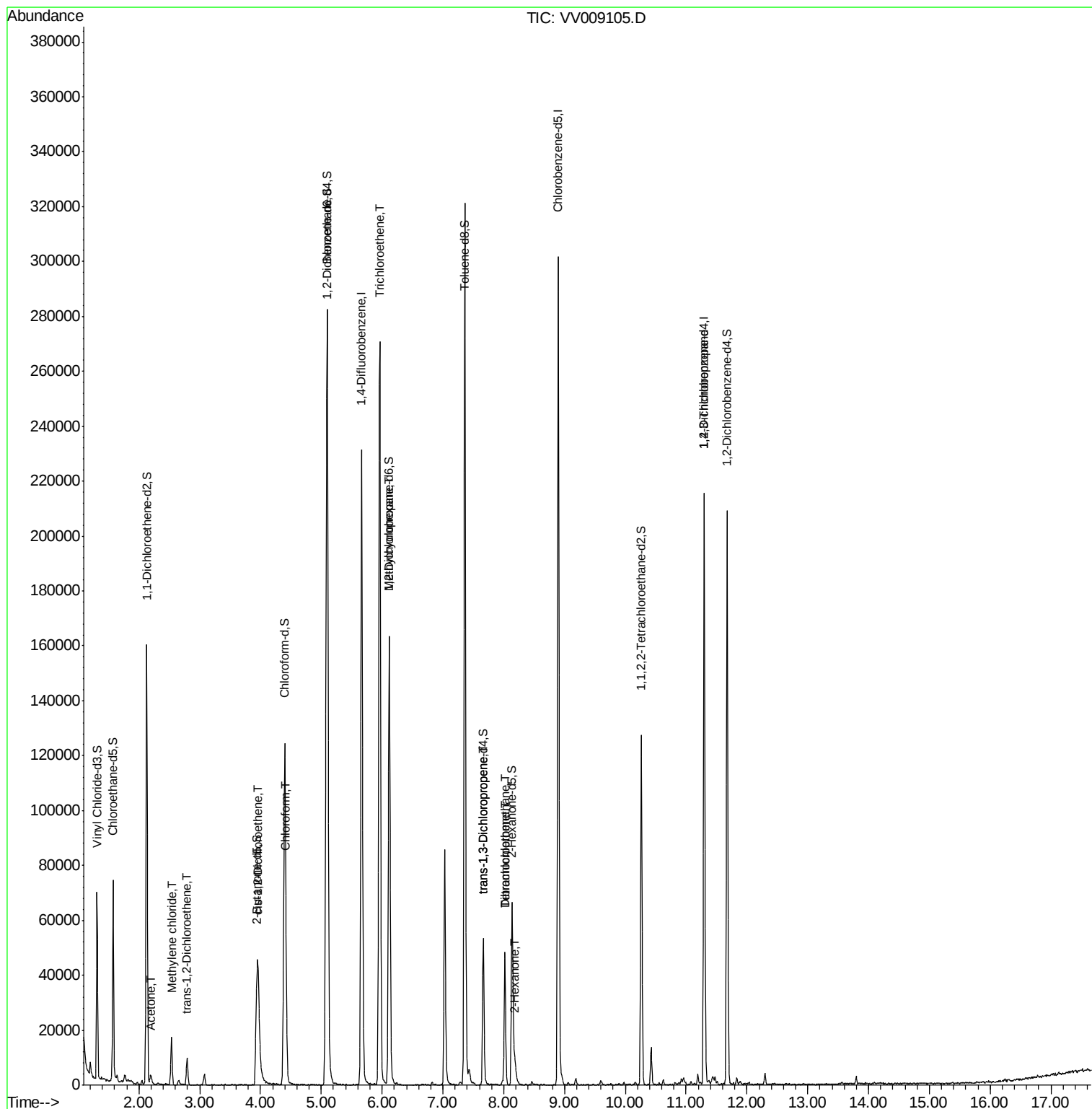
					Qvalue
13) Acetone	2.20	43	4121	3.595 ug/L	93
16) Methylene chloride	2.54	84	7606	2.187 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	4083	1.420 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	12356	4.120 ug/L	93
25) Chloroform	4.43	83	4230	0.845 ug/L	89
35) Trichloroethene	5.96	95	94635	30.691 ug/L	99
36) Methylcyclohexane	6.12	83	20130	4.093 ug/L #	20
45) trans-1,3-Dichloropropene	7.66	75	1592	0.508 ug/L	96
47) Tetrachloroethene	8.02	164	11194	4.464 ug/L	95
49) 2-Hexanone	8.19	43	4558	3.321 ug/L #	80
50) Dibromochloromethane	8.02	129	11029	4.704 ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	6705	3.505 ug/L	91

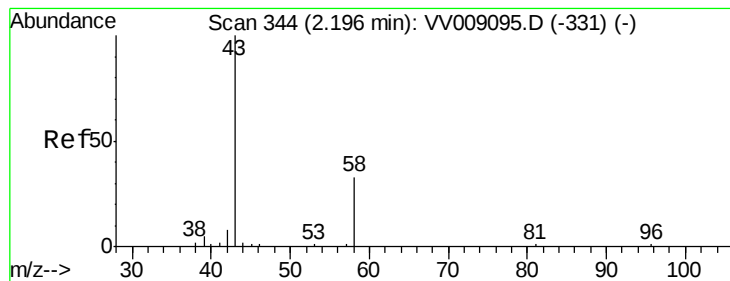
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 3.595 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV009105.D

Acq: 21 Dec 2018 01:29

Instrument :

MSVOA_V

ClientSampleId :

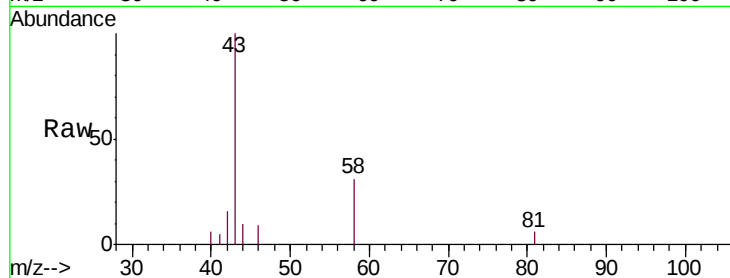
C0JH3

Tgt Ion: 43 Resp: 4121

Ion Ratio Lower Upper

43 100

58 28.9 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009105.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009105.D (-331) (-)

2.20

1500

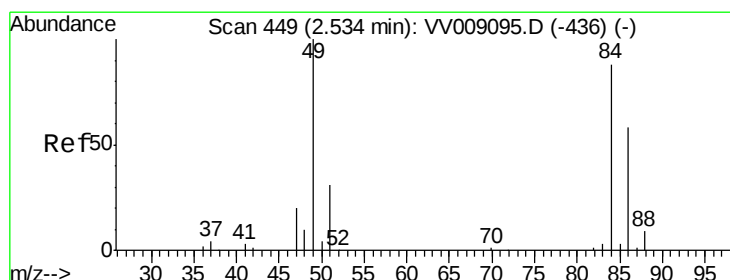
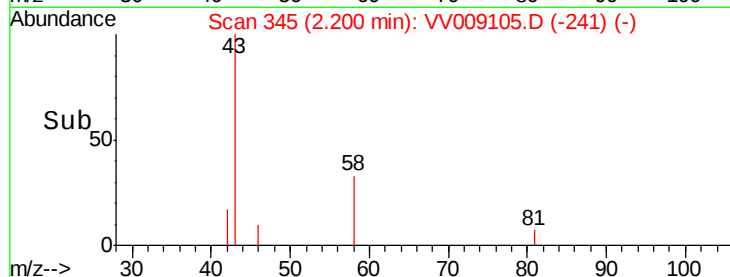
1000

500

0

2.15 2.20 2.25

Time-->



#16

Methylene chloride

Concen: 2.187 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009105.D

Acq: 21 Dec 2018 01:29

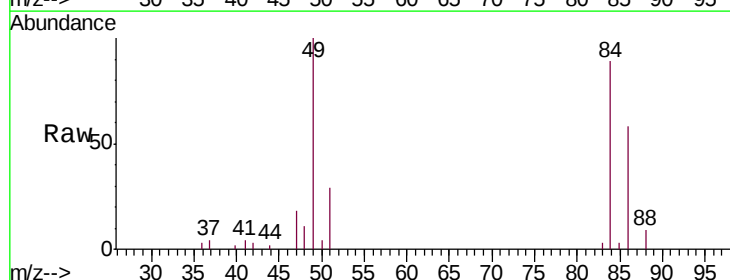
Tgt Ion: 84 Resp: 7606

Ion Ratio Lower Upper

84 100

49 112.1 80.5 149.5

86 65.3 45.5 84.5



Abundance Ion 84.00 (83.70 to 84.70): VV009105.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009105.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009105.D (-436) (-)

2.54

6000

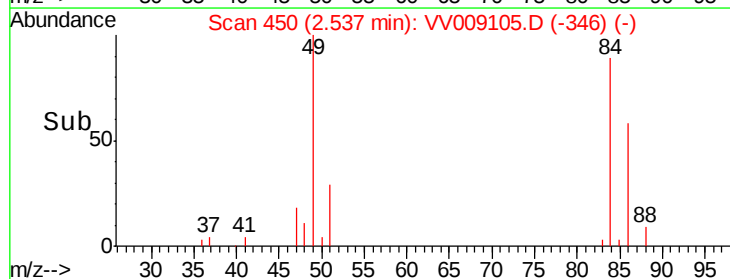
4000

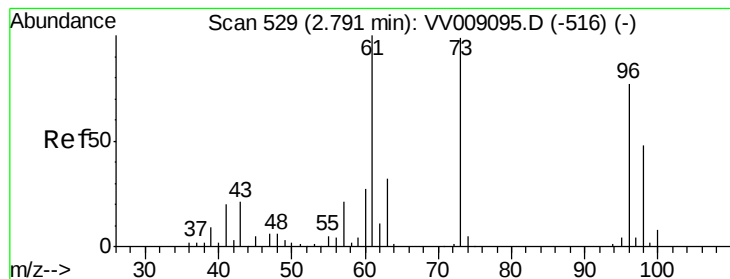
2000

0

2.50 2.55

Time-->





#18

trans-1,2-Dichloroethene

Concen: 1.420 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV009105.D

Acq: 21 Dec 2018 01:29

Instrument :

MSVOA_V

ClientSampleId :

C0JH3

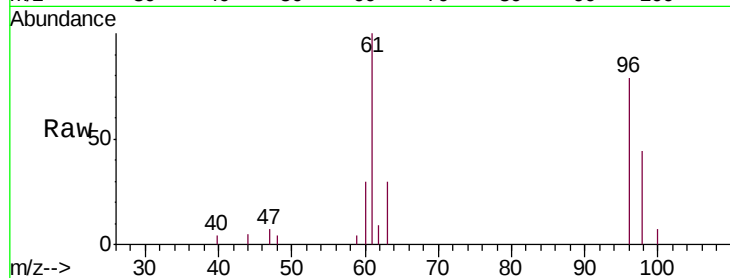
Tgt Ion: 96 Resp: 4083

Ion Ratio Lower Upper

96 100

61 126.4 94.6 175.8

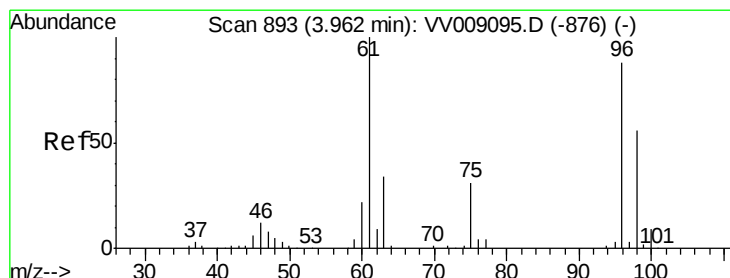
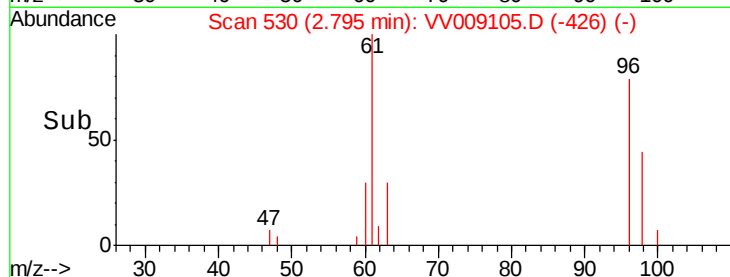
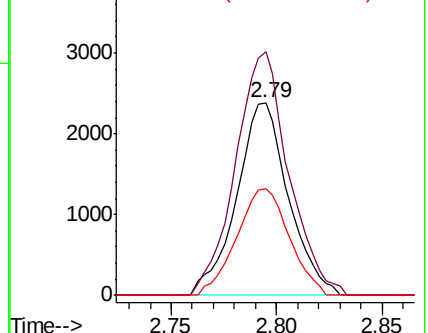
98 55.3 45.3 84.1



Abundance Ion 96.00 (95.70 to 96.70): VV009095.D (-516) (-)

Ion 61.00 (60.70 to 61.70): VV009095.D (-516) (-)

Ion 98.00 (97.70 to 98.70): VV009095.D (-516) (-)



#22

cis-1,2-Dichloroethene

Concen: 4.120 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV009105.D

Acq: 21 Dec 2018 01:29

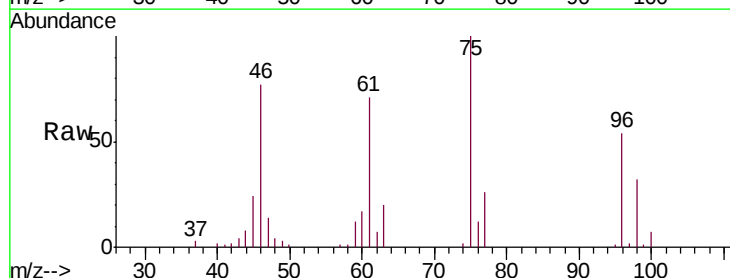
Tgt Ion: 96 Resp: 12356

Ion Ratio Lower Upper

96 100

61 130.6 86.2 160.0

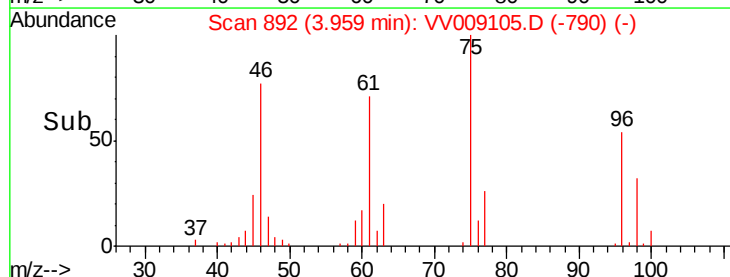
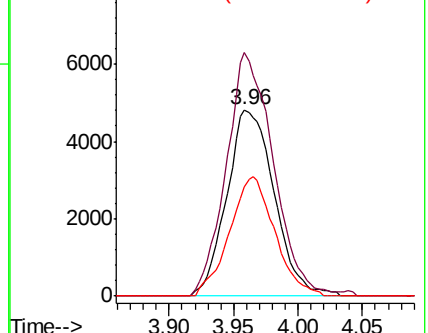
98 58.6 45.6 84.6

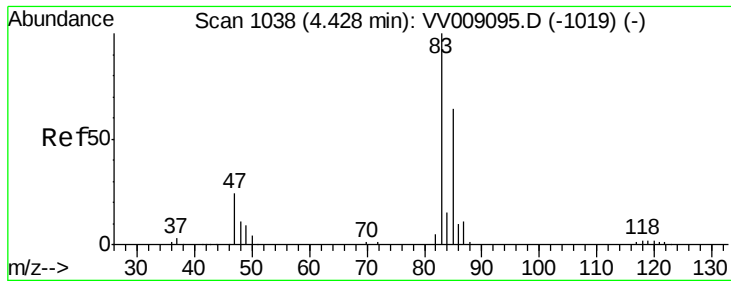


Abundance Ion 96.00 (95.70 to 96.70): VV009095.D (-876) (-)

Ion 61.00 (60.70 to 61.70): VV009095.D (-876) (-)

Ion 98.00 (97.70 to 98.70): VV009095.D (-876) (-)

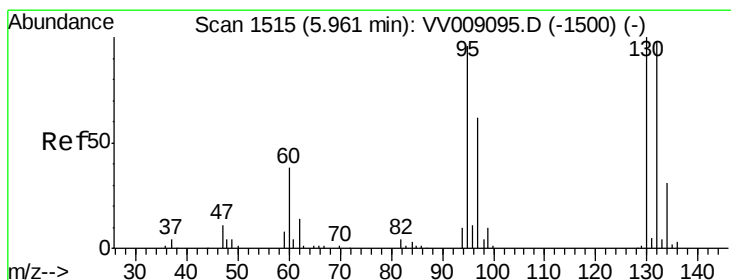
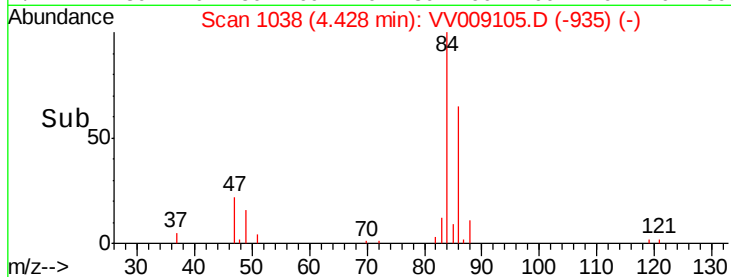
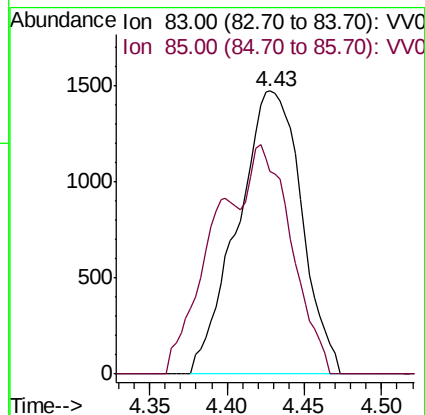
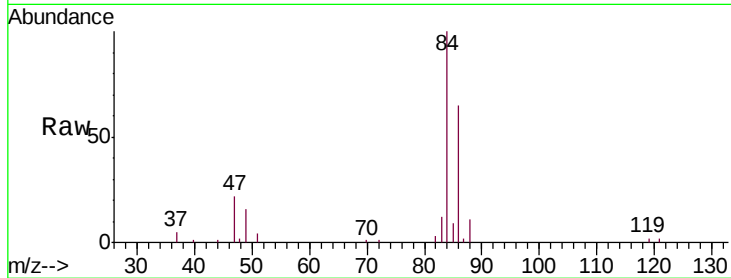




#25
Chloroform
Concen: 0.845 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009105.D
Acq: 21 Dec 2018 01:29

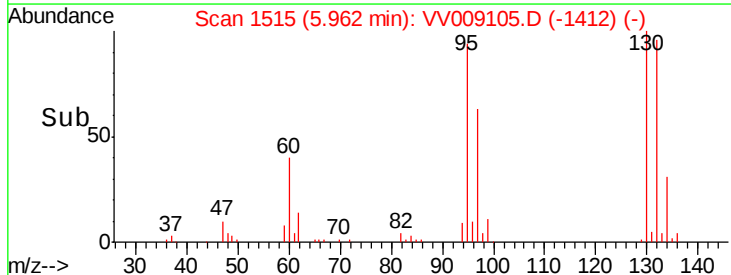
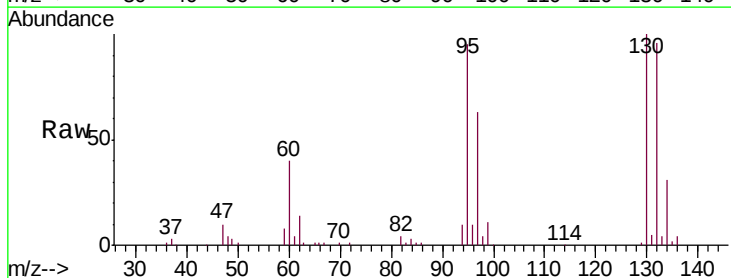
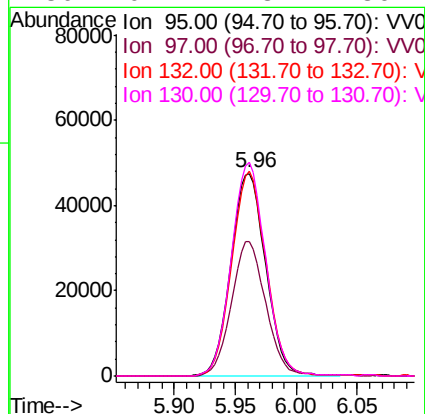
Instrument :
MSVOA_V
ClientSampleId :
C0JH3

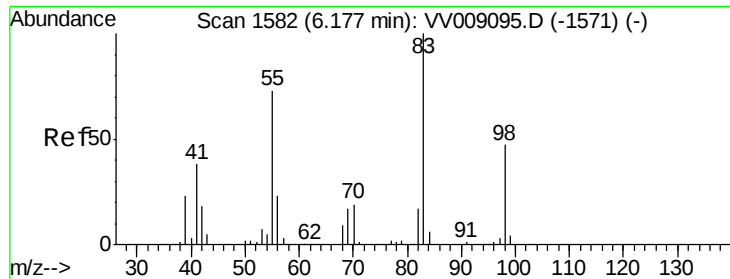
Tgt Ion: 83 Resp: 4230
Ion Ratio Lower Upper
83 100
85 56.1 45.6 84.8



#35
Trichloroethene
Concen: 30.691 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV009105.D
Acq: 21 Dec 2018 01:29

Tgt Ion: 95 Resp: 94635
Ion Ratio Lower Upper
95 100
97 65.3 45.3 84.1
132 99.1 70.0 130.0
130 104.2 73.4 136.4

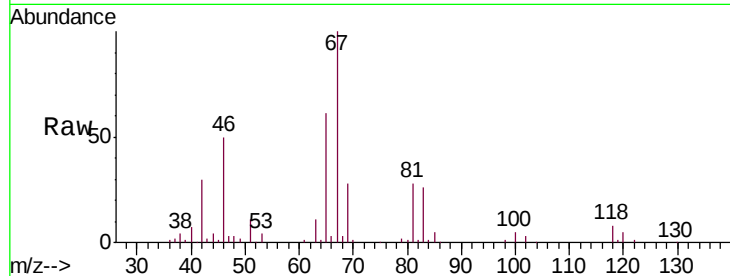




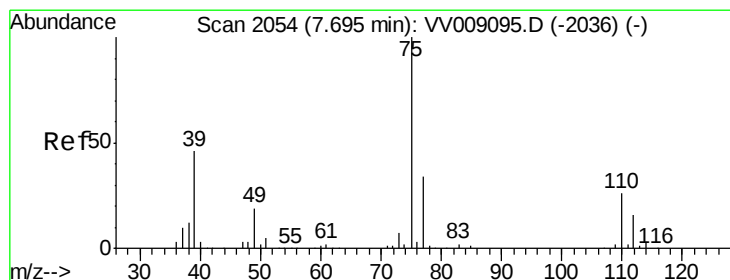
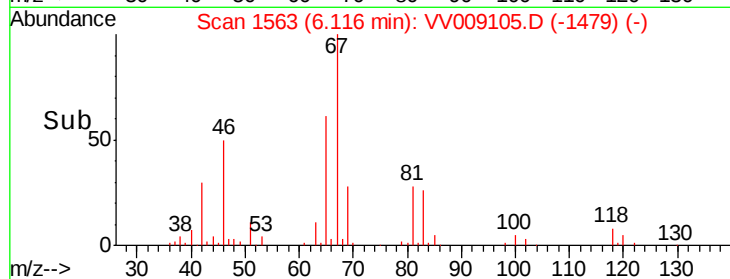
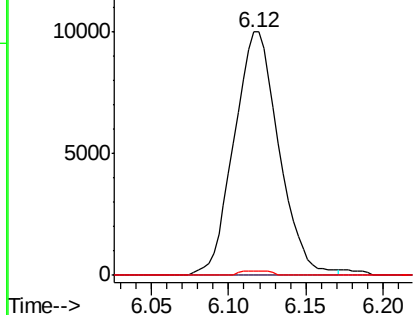
#36
Methylcyclohexane
Concen: 4.093 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV009105.D
Acq: 21 Dec 2018 01:29

Instrument :
MSVOA_V
ClientSampleId :
C0JH3

Tgt Ion: 83 Resp: 20130
Ion Ratio Lower Upper
83 100
55 0.0 58.2 87.2#
98 0.8 37.8 56.8#

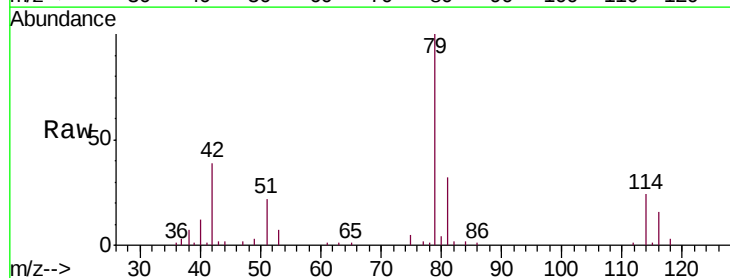


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

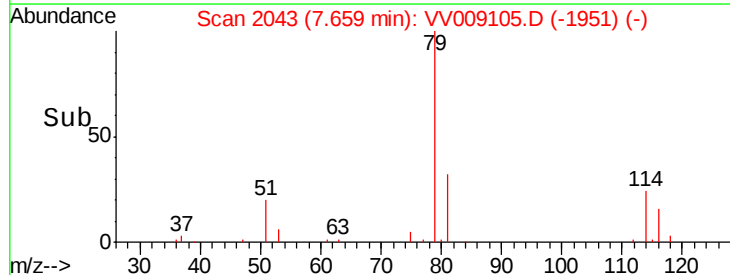
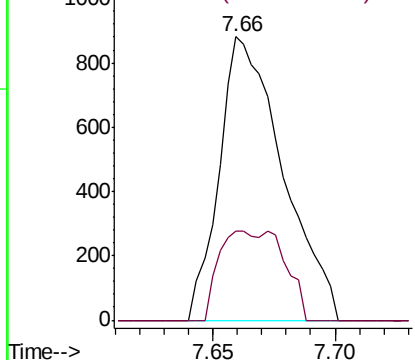


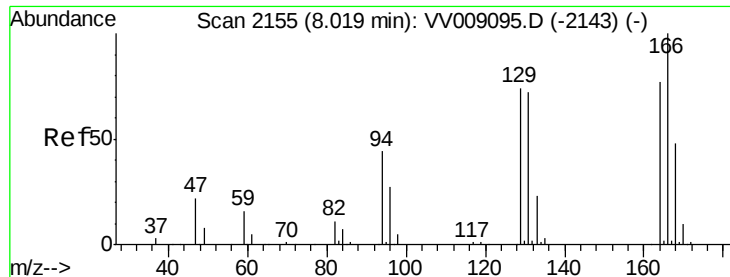
#45
trans-1,3-Dichloropropene
Concen: 0.508 ug/L
RT: 7.66 min Scan# 2043
Delta R.T. -0.04 min
Lab File: VV009105.D
Acq: 21 Dec 2018 01:29

Tgt Ion: 75 Resp: 1592
Ion Ratio Lower Upper
75 100
77 31.2 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0





#47

Tetrachloroethene

Concen: 4.464 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV009105.D

Acq: 21 Dec 2018 01:29

Instrument :

MSVOA_V

ClientSampleId :

C0JH3

Tgt Ion:164 Resp: 11194

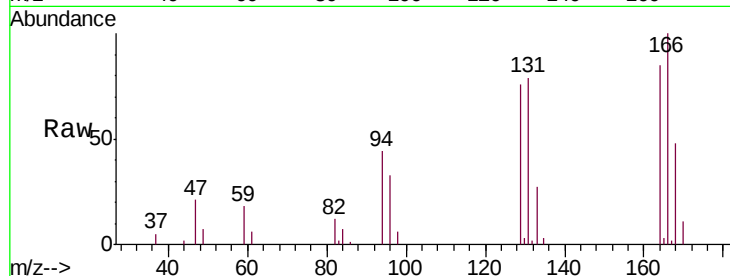
Ion Ratio Lower Upper

164 100

129 89.1 64.6 120.0

131 92.6 64.5 119.7

166 117.1 88.7 164.7

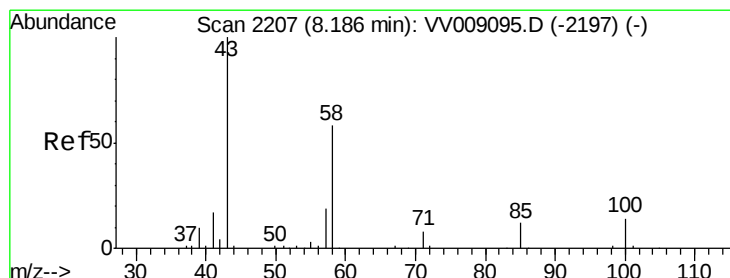
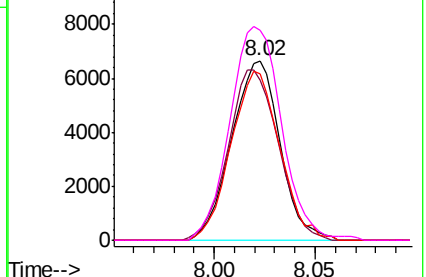
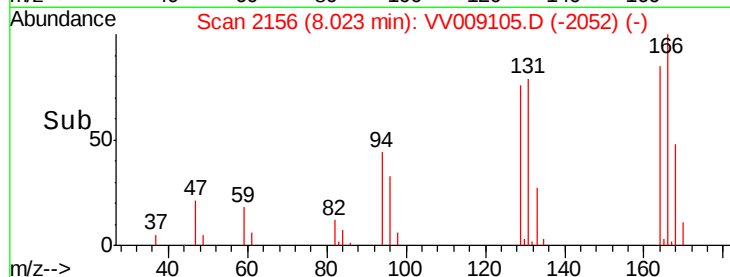


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 3.321 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VV009105.D

Acq: 21 Dec 2018 01:29

Tgt Ion: 43 Resp: 4558

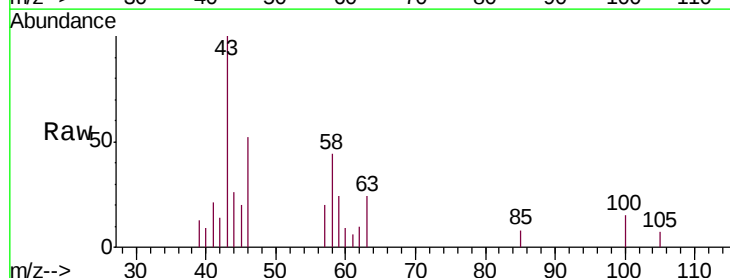
Ion Ratio Lower Upper

43 100

58 42.4 43.9 65.9#

57 4.8 15.7 23.5#

100 8.3 11.0 16.4#

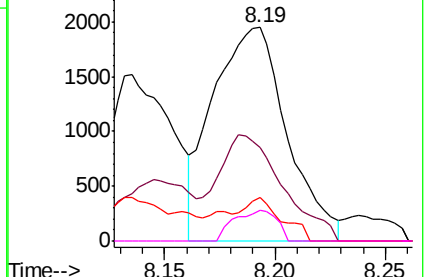
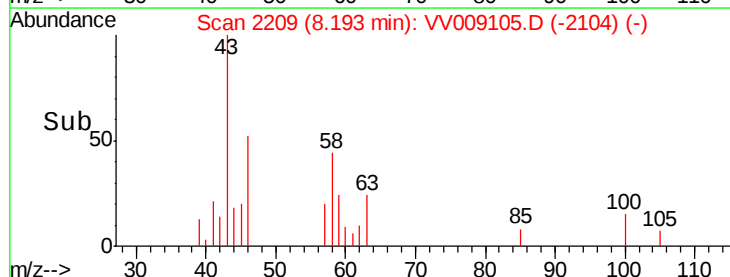


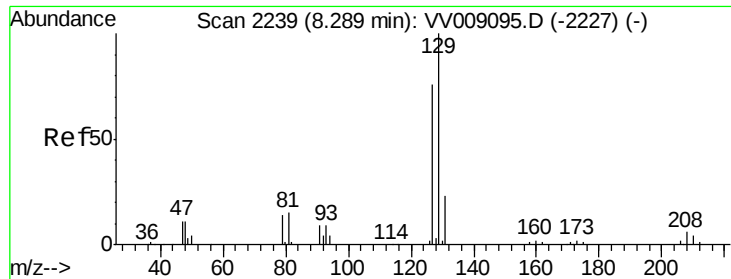
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#50

Dibromochloromethane

Concen: 4.704 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV009105.D

Acq: 21 Dec 2018 01:29

Instrument :

MSVOA_V

ClientSampleId :

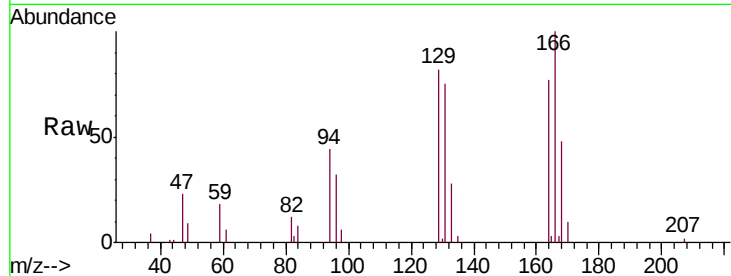
C0JH3

Tgt Ion:129 Resp: 11029

Ion Ratio Lower Upper

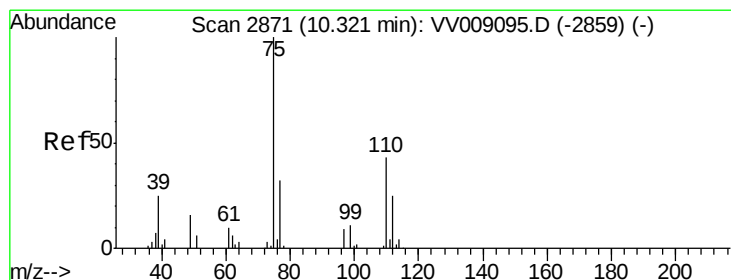
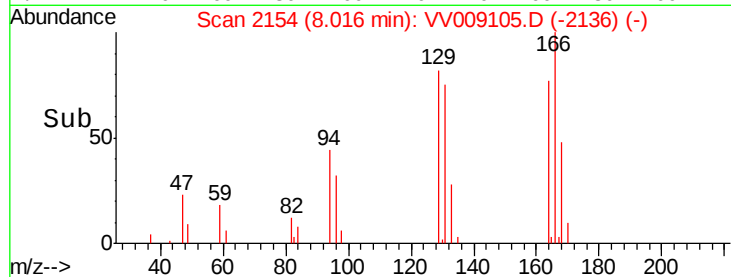
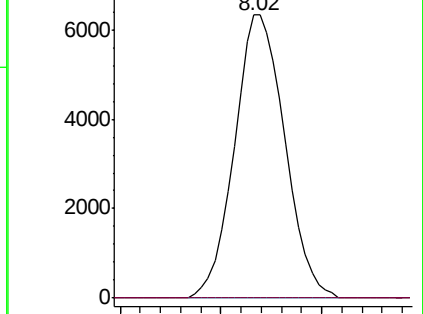
129 100

127 0.0 53.5 99.3#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 3.505 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009105.D

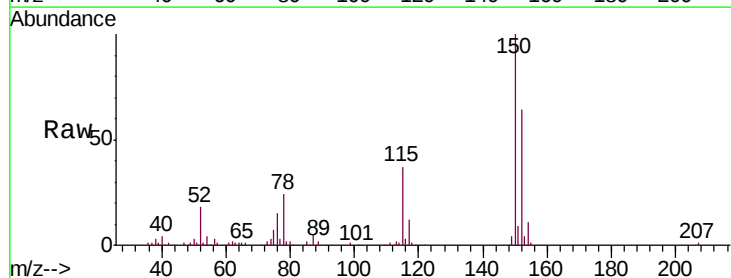
Acq: 21 Dec 2018 01:29

Tgt Ion: 75 Resp: 6705

Ion Ratio Lower Upper

75 100

77 37.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

