

Data Path : W:\HPCHEM1\MSVOA_V\DATA\VV051518\
 Data File : VV005921.D
 Acq On : 15 May 2018 17:47
 Operator : SY/MD
 Sample : J2905-17
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 03:11:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR050518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 16 03:06:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	289249	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	294277	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	118742	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86625	3.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.80%
7) Chloroethane-d5	1.58	69	78664	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.13	63	141628	2.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.40%#
20) 2-Butanone-d5	3.96	46	233903	54.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.32%
24) Chloroform-d	4.41	84	204905	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	5.09	65	108642	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.11	84	367809	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.13	67	123930	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.37	98	331712	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.67	79	40067	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
46) 2-Hexanone-d5	8.14	63	160561	42.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.92%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	80099	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	120525	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

						Qvalue
9) Trichlorofluoromethane	1.77	101	883019	21.31	ug/L	99
12) 1,1-Dichloroethene	2.14	96	11459	0.55	ug/L #	1
13) Acetone	2.20	43	4753	1.30	ug/L	86
16) Methylene chloride	2.54	84	7649	0.33	ug/L	92
18) trans-1,2-Dichloroethene	2.79	96	20688	0.91	ug/L	96
21) 2-Butanone	4.03	43	1716	0.35	ug/L #	73
22) cis-1,2-Dichloroethene	3.97	96	538780	24.13	ug/L	98
25) Chloroform	4.44	83	23124	0.50	ug/L	94
27) 1,2-Dichloroethane	5.19	62	13446	0.48	ug/L	97
31) Carbon tetrachloride	4.88	117	13276	0.39	ug/L	93
35) Methylcyclohexane	6.13	83	35516	1.04	ug/L #	18
37) 1,2-Dichloropropane	6.14	63	16632	0.78	ug/L #	90
45) 1,1,2-Trichloroethane	7.89	97	10332	0.65	ug/L	94
47) Tetrachloroethene	8.03	164	1467930	85.90	ug/L	98
48) 2-Hexanone	8.19	43	12620	1.30	ug/L #	67
49) Dibromochloromethane	8.03	129	1462376	79.81	ug/L #	10

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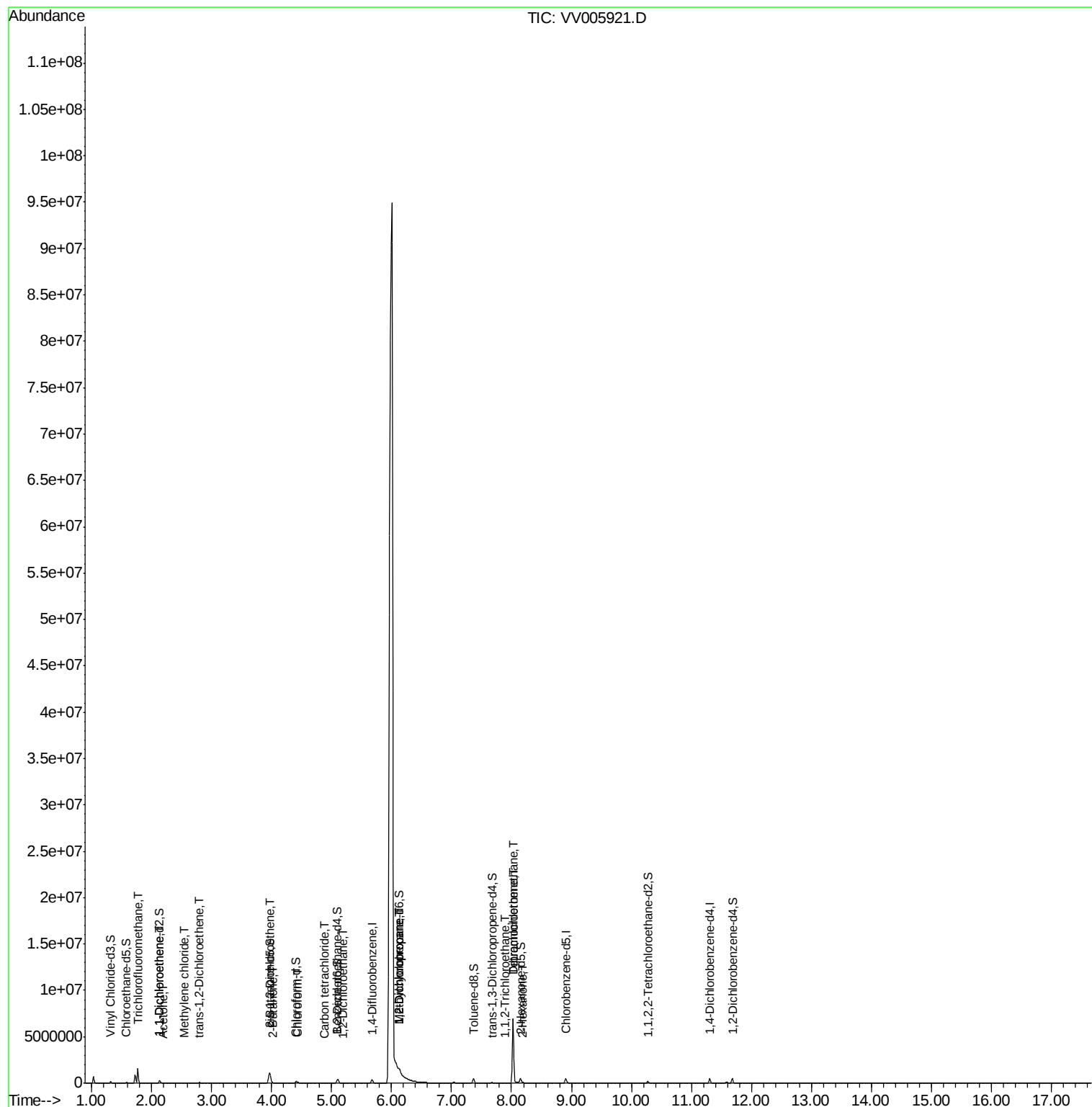
Quant Time: May 16 03:11:56 2018
Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR050518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 16 03:06:39 2018
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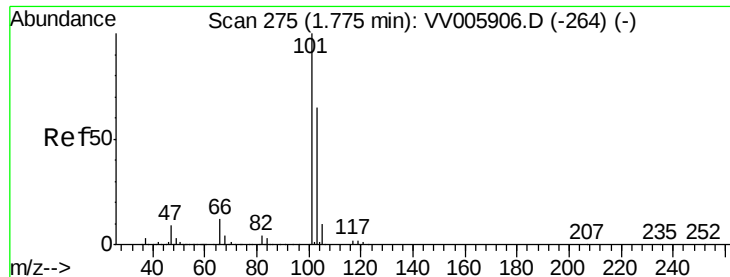
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 21.31 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV005921.D

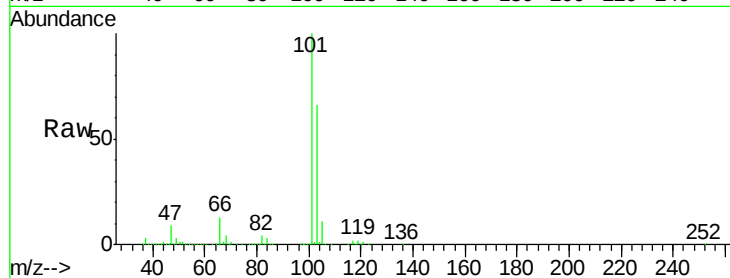
Acq: 15 May 2018 17:47

Tgt Ion: 101 Resp: 883019

Ion Ratio Lower Upper

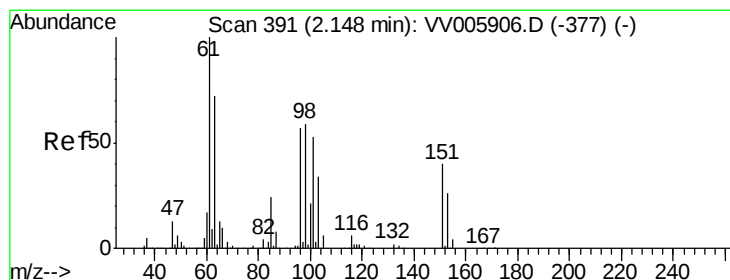
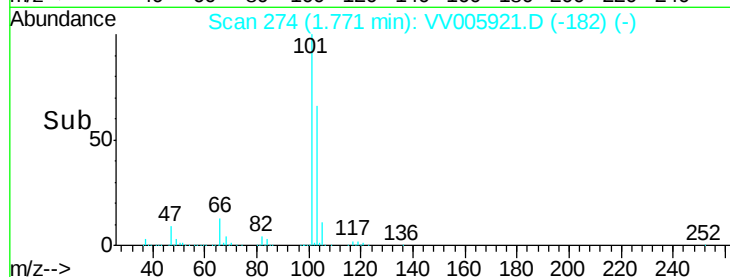
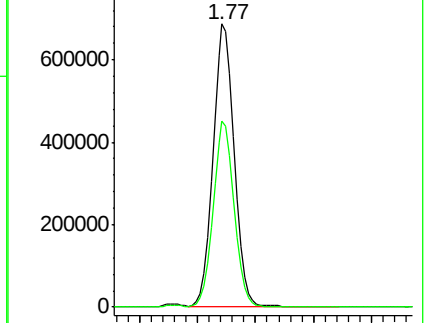
101 100

103 64.7 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VV005921.D (-182) (-)

Ion 103.00 (102.70 to 103.70): VV005921.D (-182) (-)



#12

1,1-Dichloroethene

Concen: 0.55 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV005921.D

Acq: 15 May 2018 17:47

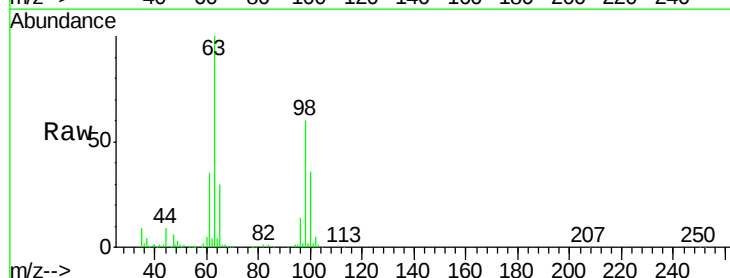
Tgt Ion: 96 Resp: 11459

Ion Ratio Lower Upper

96 100

61 245.2 135.9 252.5

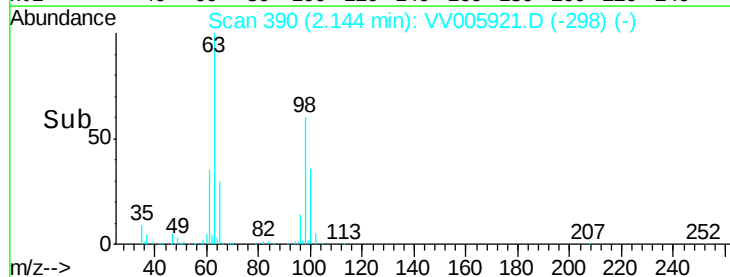
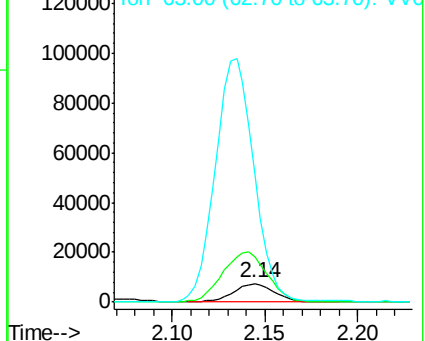
63 691.1 115.5 214.5#

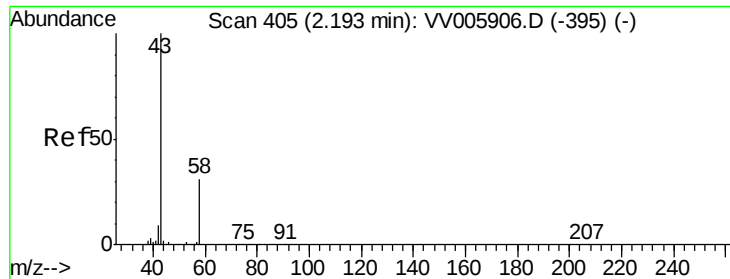


Abundance Ion 96.00 (95.70 to 96.70): VV005921.D (-298) (-)

Ion 61.05 (60.75 to 61.75): VV005921.D (-298) (-)

Ion 63.00 (62.70 to 63.70): VV005921.D (-298) (-)





#13

Acetone

Concen: 1.30 ug/L

RT: 2.20 min Scan# 407

Delta R.T. 0.01 min

Lab File: VV005921.D

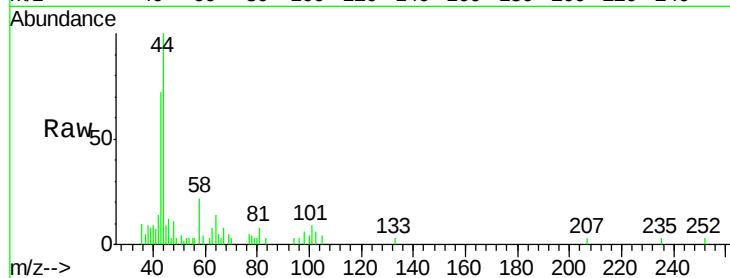
Acq: 15 May 2018 17:47

Tgt Ion: 43 Resp: 4753

Ion Ratio Lower Upper

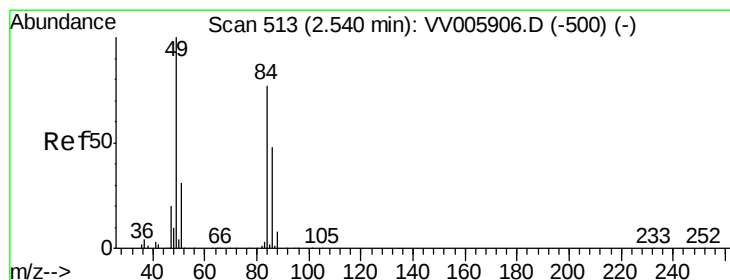
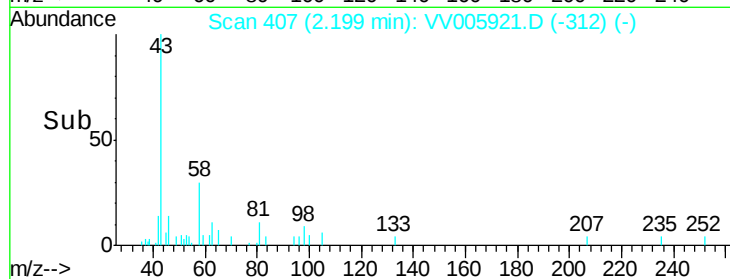
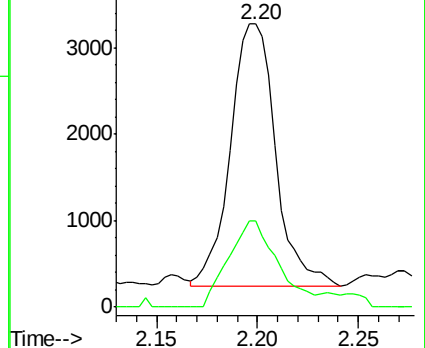
43 100

58 36.4 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#16

Methylene chloride

Concen: 0.33 ug/L

RT: 2.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VV005921.D

Acq: 15 May 2018 17:47

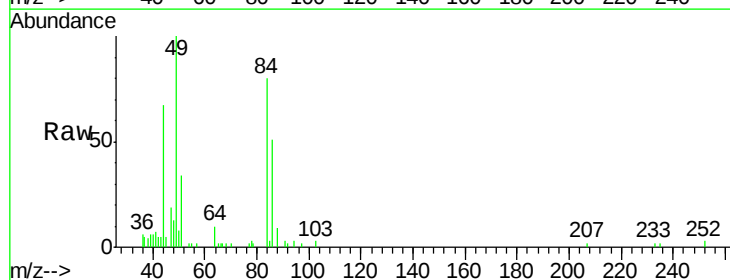
Tgt Ion: 84 Resp: 7649

Ion Ratio Lower Upper

84 100

86 63.0 44.3 82.3

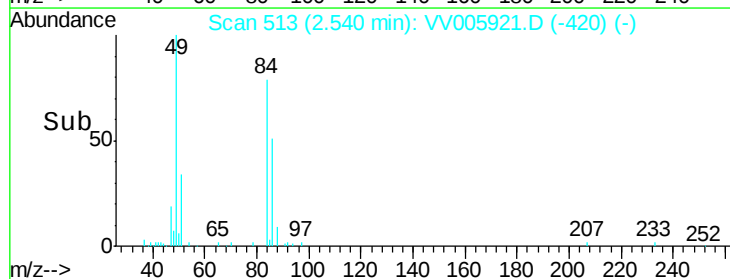
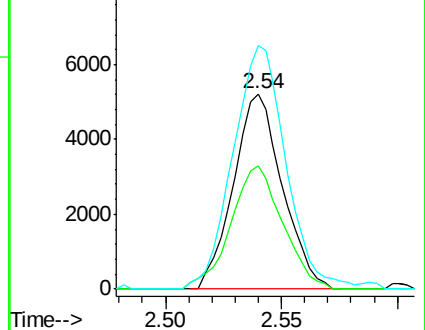
49 124.5 96.5 179.1

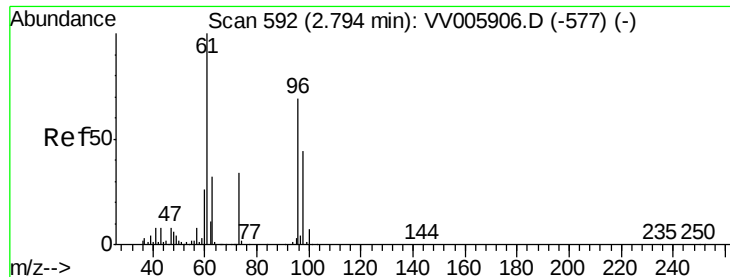


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#18

trans-1,2-Dichloroethene

Concen: 0.91 ug/L

RT: 2.79 min Scan# 592

Delta R.T. -0.00 min

Lab File: VV005921.D

Acq: 15 May 2018 17:47

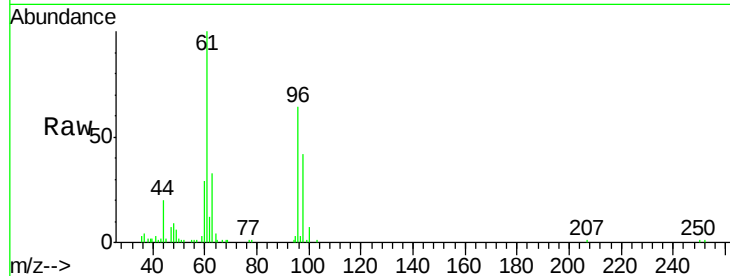
Tgt Ion: 96 Resp: 20688

Ion Ratio Lower Upper

96 100

61 156.7 104.7 194.4

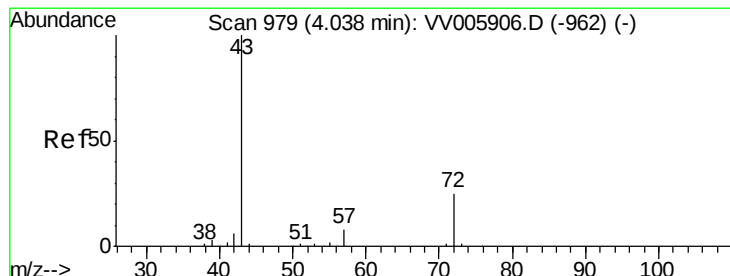
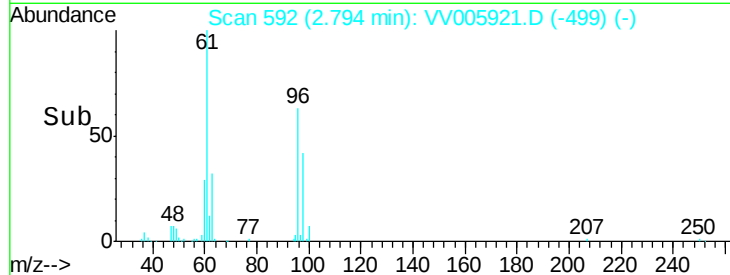
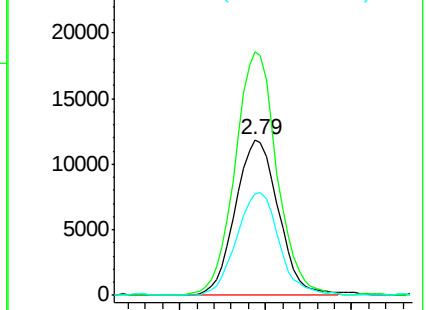
98 65.3 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VV005921.D (-499) (-)

Ion 61.05 (60.75 to 61.75): VV005921.D (-499) (-)

Ion 97.95 (97.65 to 98.65): VV005921.D (-499) (-)



#21

2-Butanone

Concen: 0.35 ug/L

RT: 4.03 min Scan# 975

Delta R.T. -0.01 min

Lab File: VV005921.D

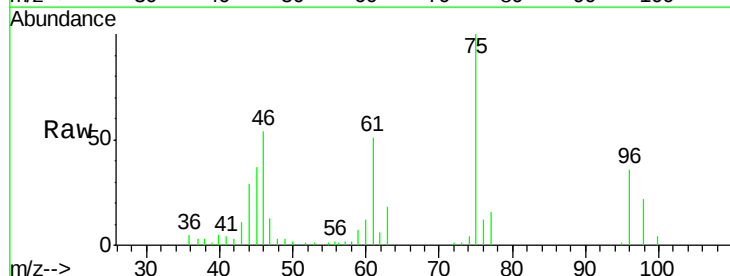
Acq: 15 May 2018 17:47

Tgt Ion: 43 Resp: 1716

Ion Ratio Lower Upper

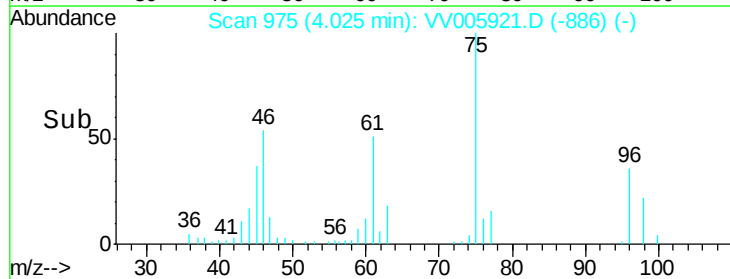
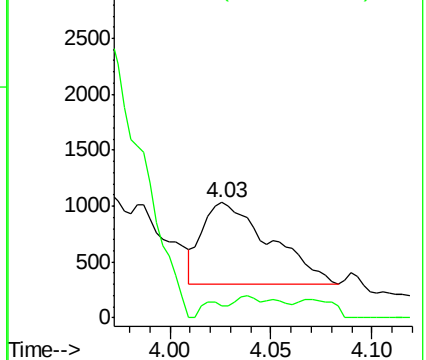
43 100

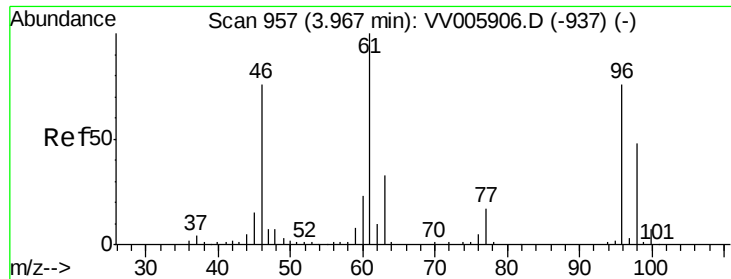
72 12.5 13.2 39.5#



Abundance Ion 43.05 (42.75 to 43.75): VV005921.D (-886) (-)

Ion 72.10 (71.80 to 72.80): VV005921.D (-886) (-)





#22

cis-1,2-Dichloroethene

Concen: 24.13 ug/L

RT: 3.97 min Scan# 958

Delta R.T. 0.00 min

Lab File: VV005921.D

Acq: 15 May 2018 17:47

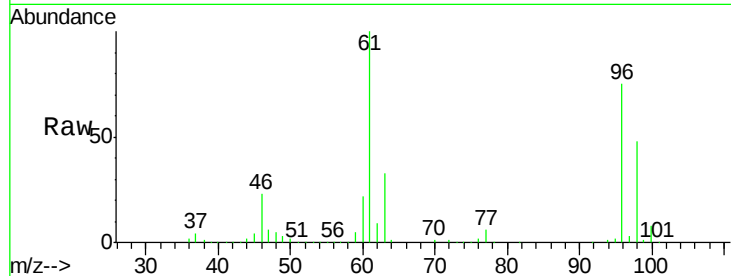
Tgt Ion: 96 Resp: 538780

Ion Ratio Lower Upper

96 100

61 133.6 91.8 170.6

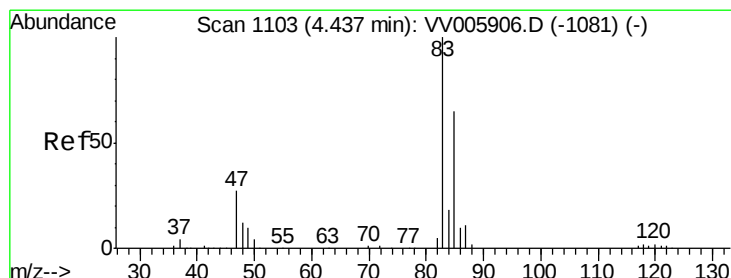
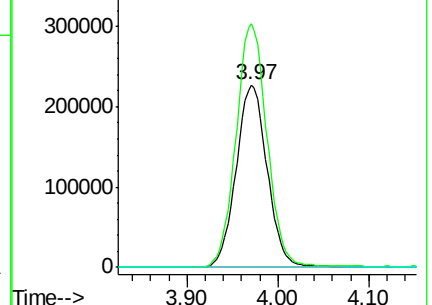
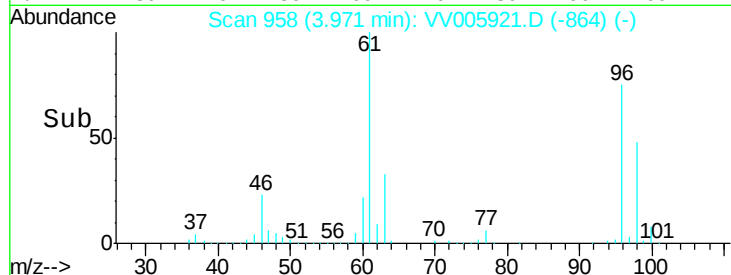
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV005921.D (-864) (-)

Ion 61.05 (60.75 to 61.75): VV005921.D (-864) (-)

Ion 68.15 (67.85 to 68.85): VV005921.D (-864) (-)



#25

Chloroform

Concen: 0.50 ug/L

RT: 4.44 min Scan# 1104

Delta R.T. 0.00 min

Lab File: VV005921.D

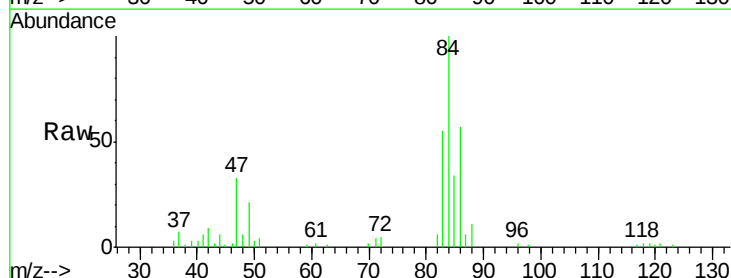
Acq: 15 May 2018 17:47

Tgt Ion: 83 Resp: 23124

Ion Ratio Lower Upper

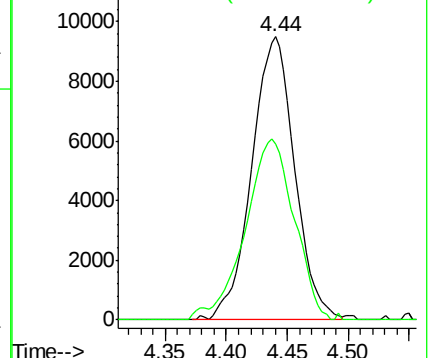
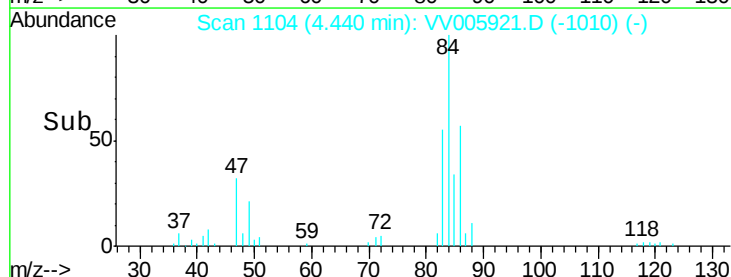
83 100

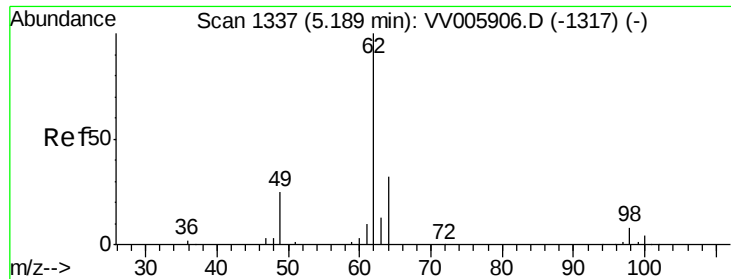
85 62.3 47.1 87.5



Abundance Ion 83.05 (82.75 to 83.75): VV005921.D (-1010) (-)

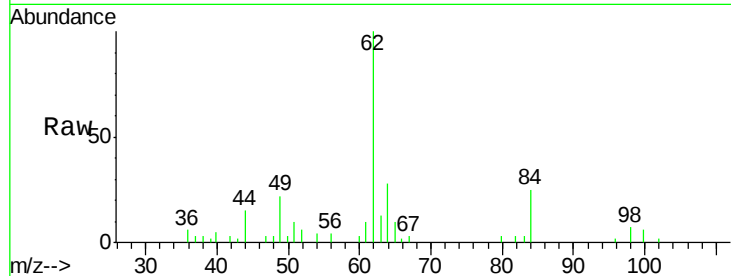
Ion 85.00 (84.70 to 85.70): VV005921.D (-1010) (-)



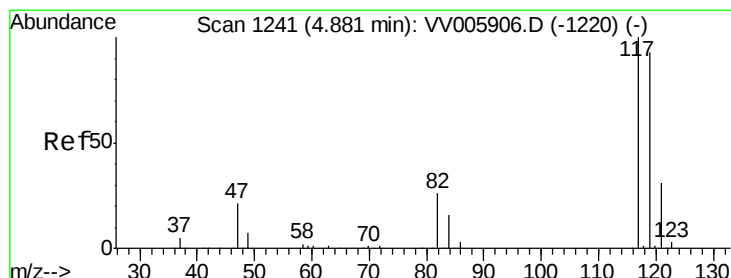
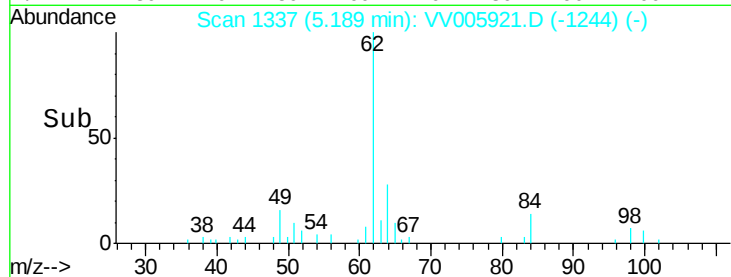
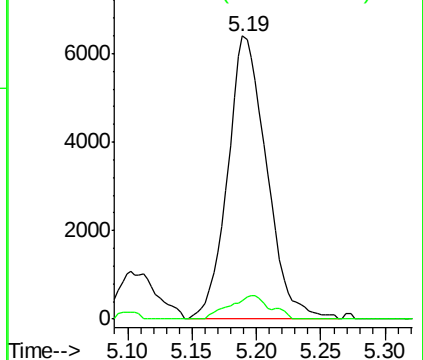


#27
 1,2-Dichloroethane
 Concen: 0.48 ug/L
 RT: 5.19 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VV005921.D
 Acq: 15 May 2018 17:47

Tgt Ion: 62 Resp: 13446
 Ion Ratio Lower Upper
 62 100
 98 6.7 6.1 9.1

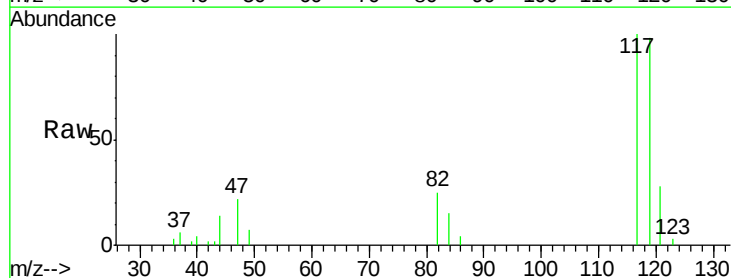


Abundance Ion 62.00 (61.70 to 62.70): VV005921.D (-1244) (-)
 Ion 98.05 (97.75 to 98.75): VV005921.D (-1244) (-)

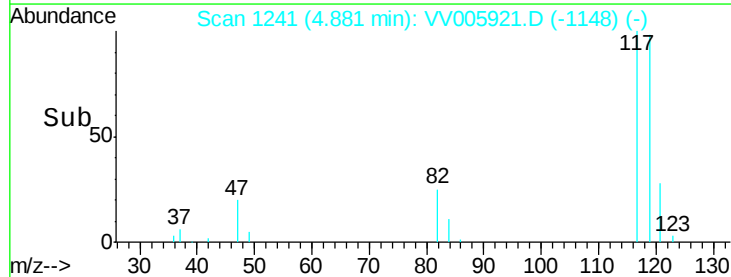
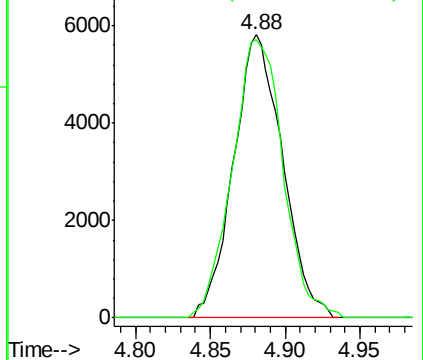


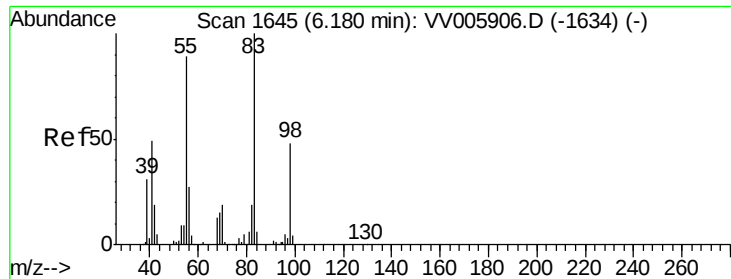
#31
 Carbon tetrachloride
 Concen: 0.39 ug/L
 RT: 4.88 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VV005921.D
 Acq: 15 May 2018 17:47

Tgt Ion: 117 Resp: 13276
 Ion Ratio Lower Upper
 117 100
 119 101.8 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): VV005921.D (-1148) (-)
 Ion 118.90 (118.60 to 119.60): VV005921.D (-1148) (-)





#35

Methylcyclohexane

Concen: 1.04 ug/L

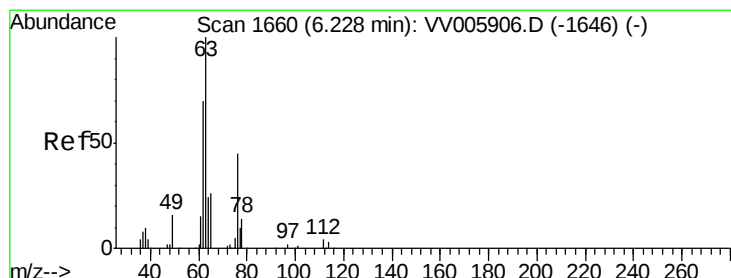
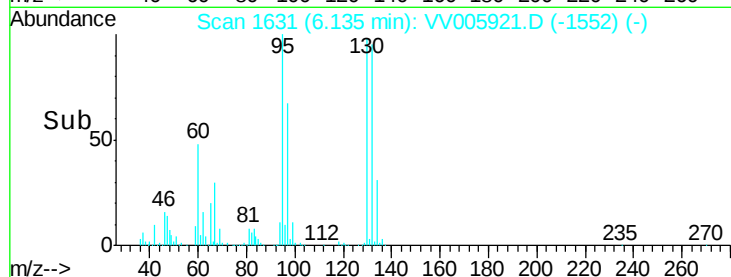
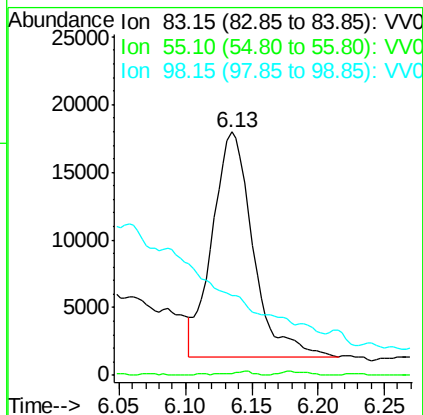
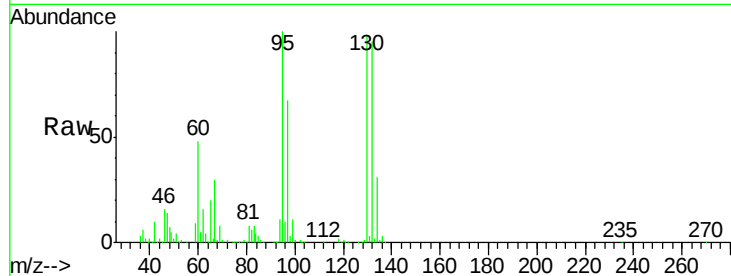
RT: 6.13 min Scan# 1631

Delta R.T. -0.05 min

Lab File: VV005921.D

Acq: 15 May 2018 17:47

Tgt Ion:	83	Resp:	35516
Ion	Ratio	Lower	Upper
83	100		
55	1.0	64.1	96.1#
98	0.0	37.0	55.4#



#37

1,2-Dichloropropane

Concen: 0.78 ug/L

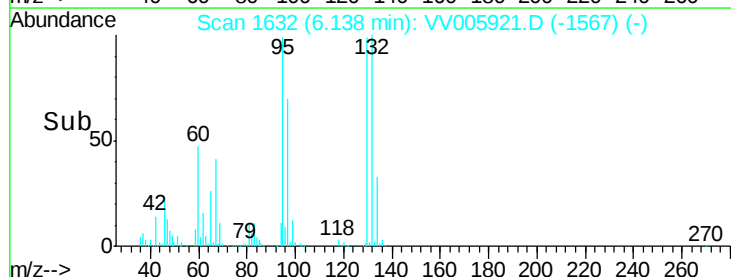
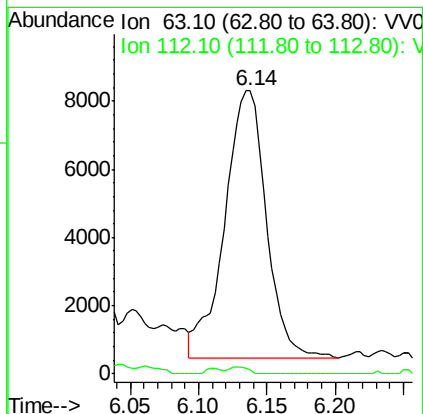
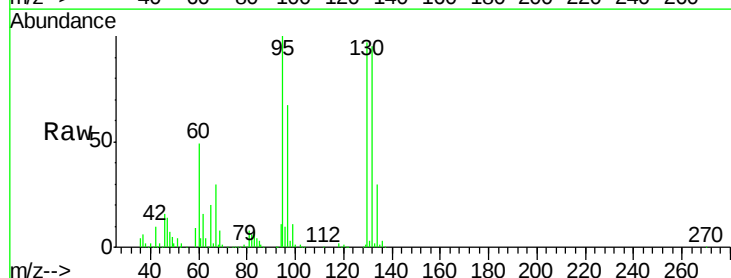
RT: 6.14 min Scan# 1632

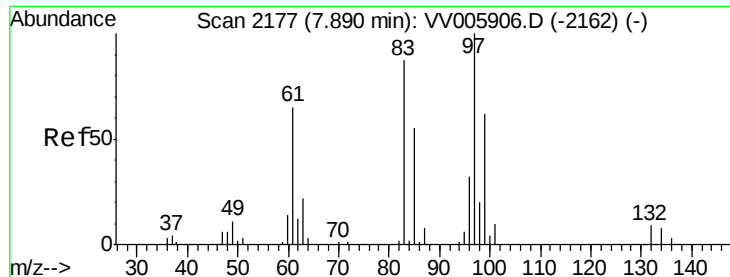
Delta R.T. -0.09 min

Lab File: VV005921.D

Acq: 15 May 2018 17:47

Tgt Ion:	63	Resp:	16632
Ion	Ratio	Lower	Upper
63	100		
112	1.2	3.5	5.3#





#45

1,1,2-Trichloroethane

Concen: 0.65 ug/L

RT: 7.89 min Scan# 2177

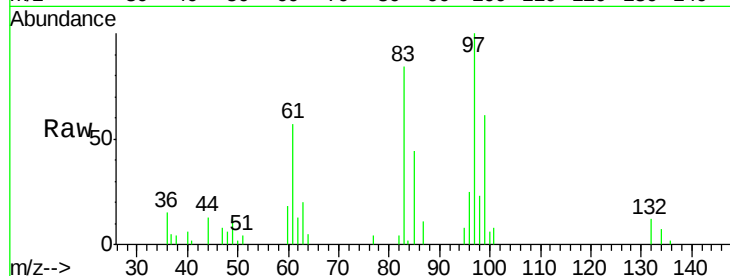
Delta R.T. -0.00 min

Lab File: VV005921.D

Acq: 15 May 2018 17:47

Tgt Ion: 97 Resp: 10332

Ion	Ratio	Lower	Upper
97	100		
99	60.9	42.4	78.8
83	83.7	61.7	114.7
85	44.3	37.9	70.5

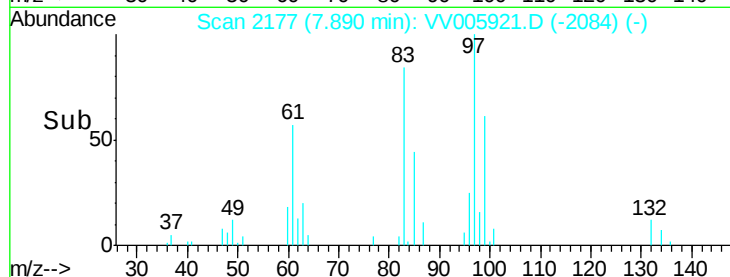


Abundance Ion 96.95 (96.65 to 97.65): VV0

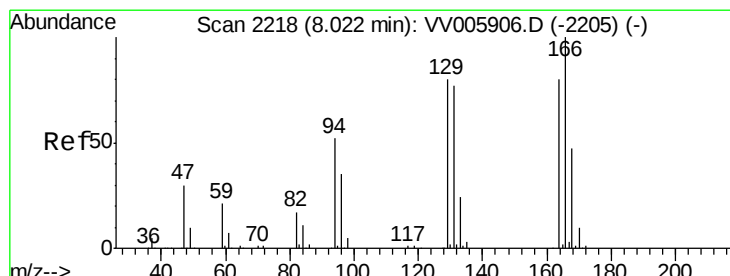
Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



Time-->



#47

Tetrachloroethene

Concen: 85.90 ug/L

RT: 8.03 min Scan# 2219

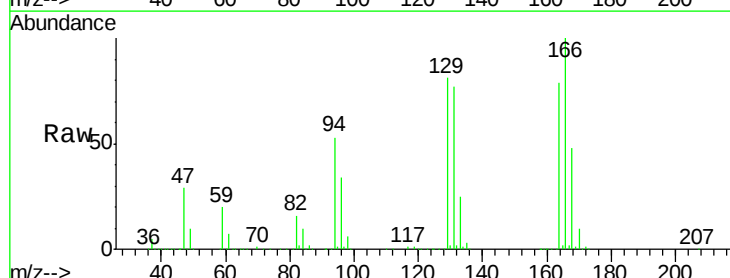
Delta R.T. 0.00 min

Lab File: VV005921.D

Acq: 15 May 2018 17:47

Tgt Ion: 164 Resp: 1467930

Ion	Ratio	Lower	Upper
164	100		
129	102.4	71.2	132.2
131	98.0	70.6	131.0
166	126.8	87.8	163.2

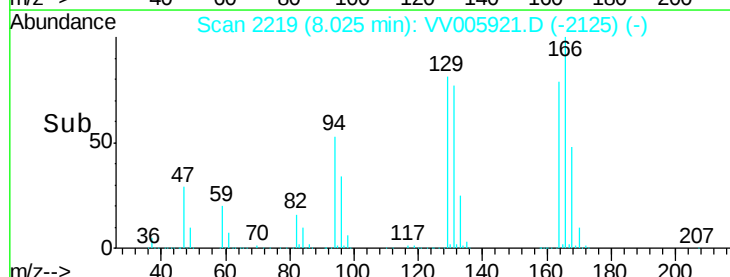


Abundance Ion 163.90 (163.60 to 164.60): V

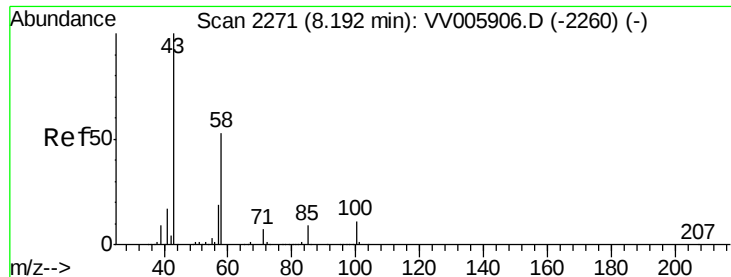
Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

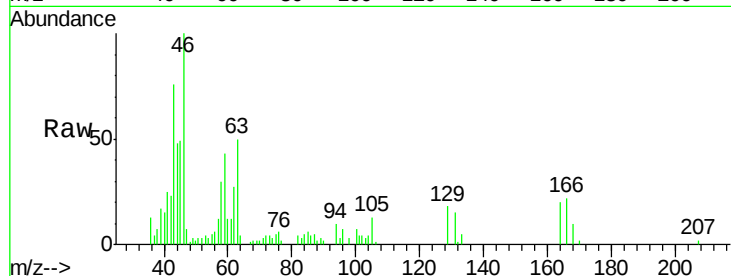


Time-->

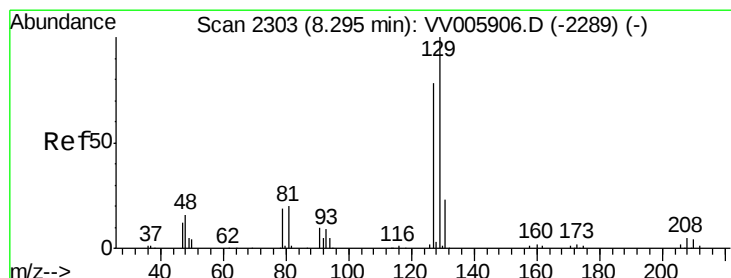
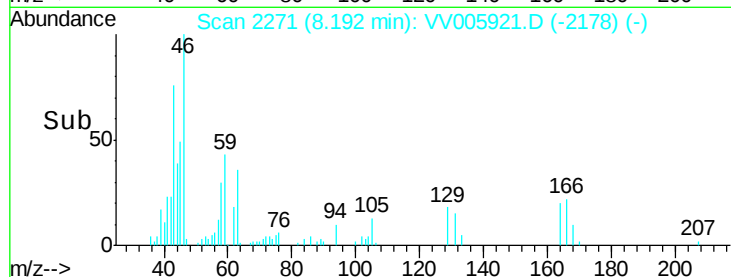
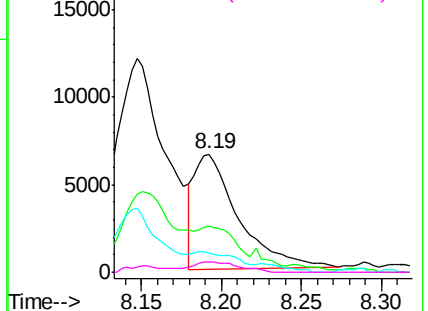


#48
2-Hexanone
Concen: 1.30 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV005921.D
Acq: 15 May 2018 17:47

Tgt Ion: 43 Resp: 12620
Ion Ratio Lower Upper
43 100
58 19.6 40.2 60.2#
57 9.9 14.6 22.0#
100 10.0 8.6 12.8

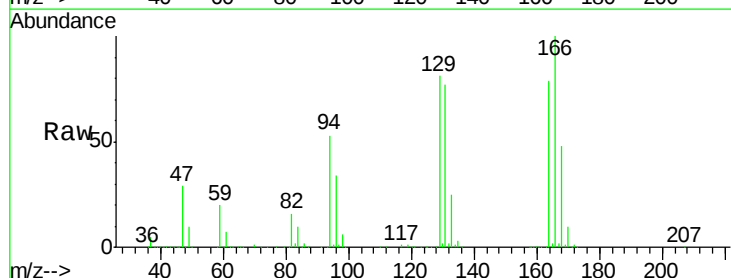


Abundance Ion 43.05 (42.75 to 43.75): VV005921.D (-2178) (-)
Ion 58.05 (57.75 to 58.75): VV005921.D (-2178) (-)
Ion 57.20 (56.90 to 57.90): VV005921.D (-2178) (-)
Ion 100.15 (99.85 to 100.85): VV005921.D (-2178) (-)



#49
Dibromochloromethane
Concen: 79.81 ug/L
RT: 8.03 min Scan# 2219
Delta R.T. -0.27 min
Lab File: VV005921.D
Acq: 15 May 2018 17:47

Tgt Ion: 129 Resp: 1462376
Ion Ratio Lower Upper
129 100
127 0.0 55.4 103.0#



Abundance Ion 128.95 (128.65 to 129.65): VV005921.D (-2210) (-)
Ion 126.90 (126.60 to 127.60): VV005921.D (-2210) (-)

