

Data Path : W:\HPCHEM1\MSVOA_V\DATA\VV051518\
 Data File : VV005922.D
 Acq On : 15 May 2018 18:15
 Operator : SY/MD
 Sample : J2905-18
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 03:12:17 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	293121	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	298315	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	121741	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88959	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.58	69	81754	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.13	63	136945	2.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.80%#
20) 2-Butanone-d5	3.96	46	247286	56.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.00%
24) Chloroform-d	4.41	84	207553	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	5.09	65	112714	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.11	84	371759	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.13	67	125723	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.37	98	339057	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	7.67	79	43225	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.14	63	176204	45.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.94%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	81044	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	120434	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

						Qvalue
9) Trichlorofluoromethane	1.77	101	911912	21.72	ug/L	100
13) Acetone	2.20	43	25355	6.84	ug/L	92
15) Methyl Acetate	2.32	43	22375	2.30	ug/L #	52
16) Methylene chloride	2.54	84	7221	0.31	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	47557	2.06	ug/L	95
22) cis-1,2-Dichloroethene	3.97	96	512446	22.65	ug/L	100
25) Chloroform	4.44	83	29287	0.62	ug/L	94
27) 1,2-Dichloroethane	5.19	62	14129	0.50	ug/L	100
31) Carbon tetrachloride	4.88	117	13125	0.38	ug/L	95
35) Methylcyclohexane	6.00	83	1022548	29.40	ug/L #	1
37) 1,2-Dichloropropane	6.13	63	17408	0.81	ug/L #	90
40) 4-Methyl-2-pentanone	7.20	43	10818	0.81	ug/L #	49
45) 1,1,2-Trichloroethane	7.89	97	11067	0.69	ug/L	95
47) Tetrachloroethene	8.03	164	1560874	90.10	ug/L	98
48) 2-Hexanone	8.19	43	12695	1.29	ug/L #	80
49) Dibromochloromethane	8.03	129	1539327	82.87	ug/L #	10

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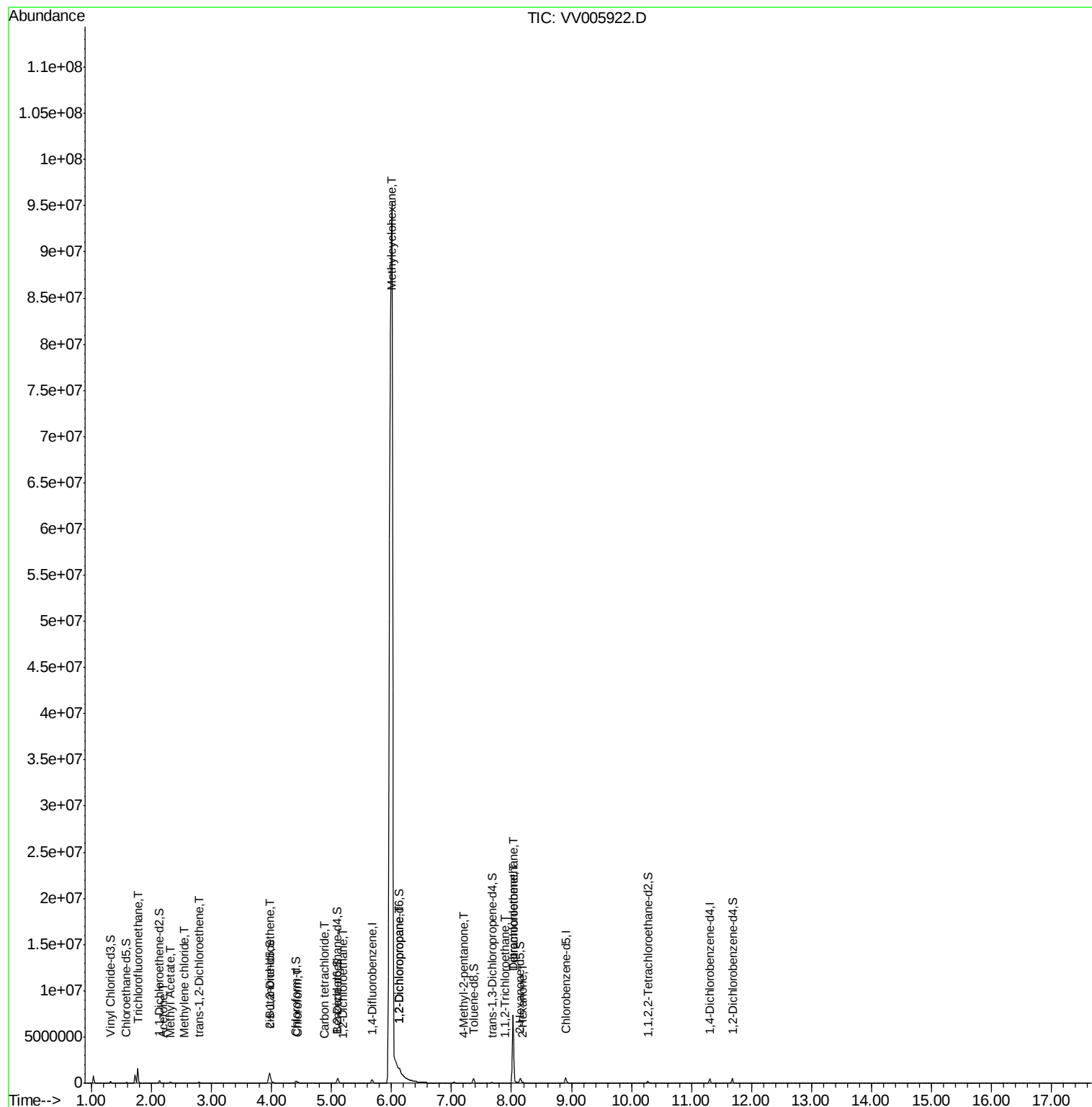
Quant Time: May 16 03:12:17 2018
Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR050518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 16 03:06:39 2018
Response via : Initial Calibration

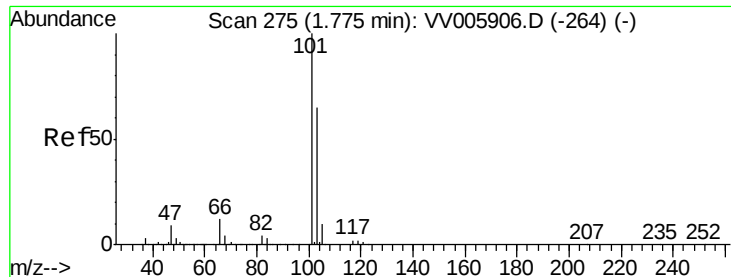
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 21.72 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV005922.D

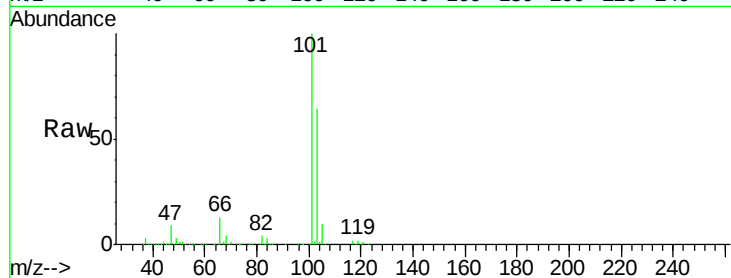
Acq: 15 May 2018 18:15

Tgt Ion: 101 Resp: 911912

Ion Ratio Lower Upper

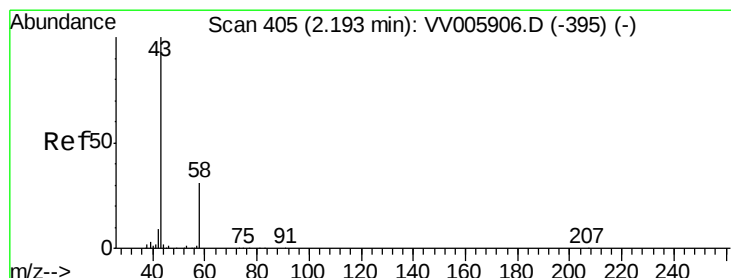
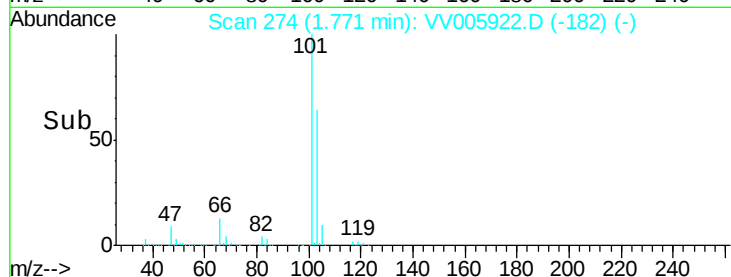
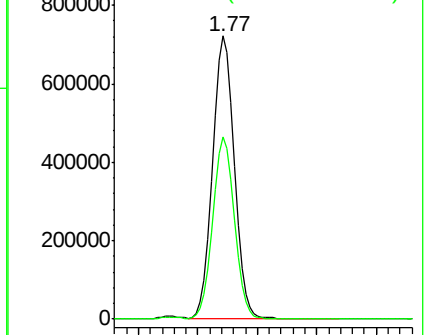
101 100

103 63.8 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Acetone

Concen: 6.84 ug/L

RT: 2.20 min Scan# 406

Delta R.T. 0.00 min

Lab File: VV005922.D

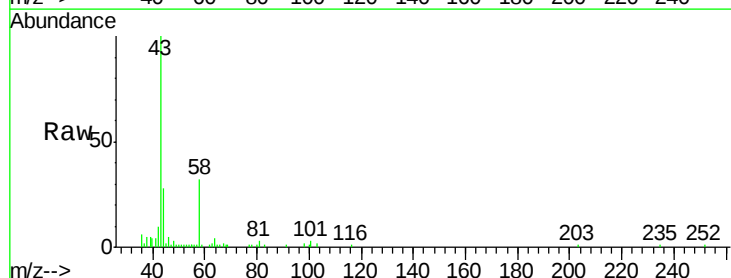
Acq: 15 May 2018 18:15

Tgt Ion: 43 Resp: 25355

Ion Ratio Lower Upper

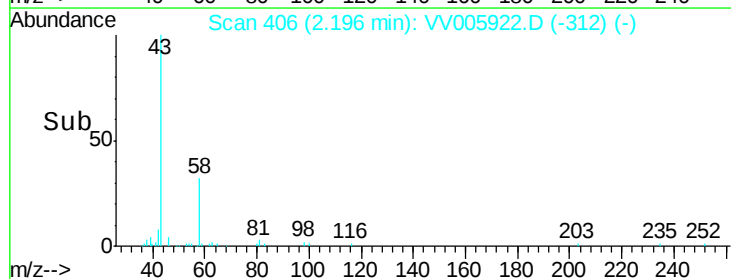
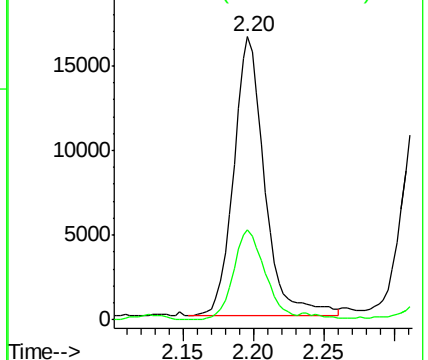
43 100

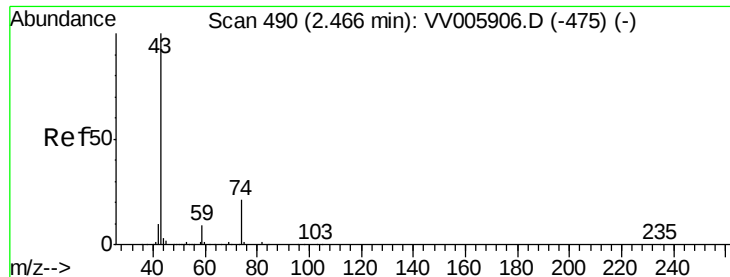
58 33.1 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#15

Methyl Acetate

Concen: 2.30 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.15 min

Lab File: VV005922.D

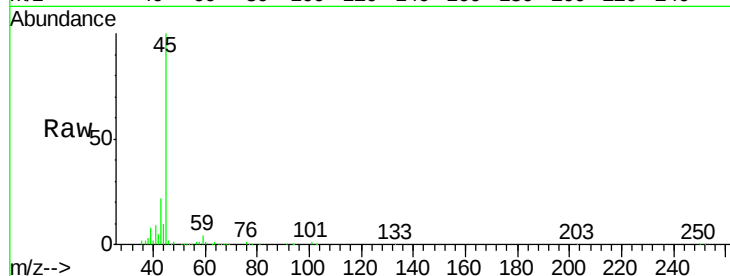
Acq: 15 May 2018 18:15

Tgt Ion: 43 Resp: 22375

Ion Ratio Lower Upper

43 100

74 0.2 19.4 29.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.32

15000

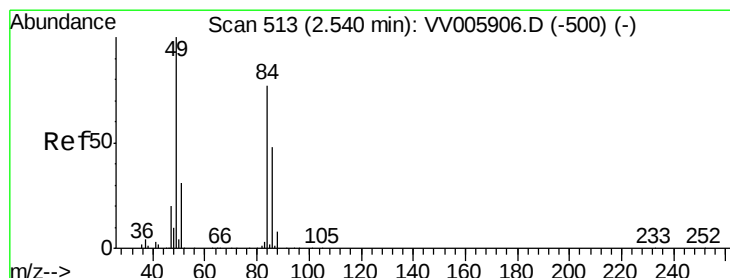
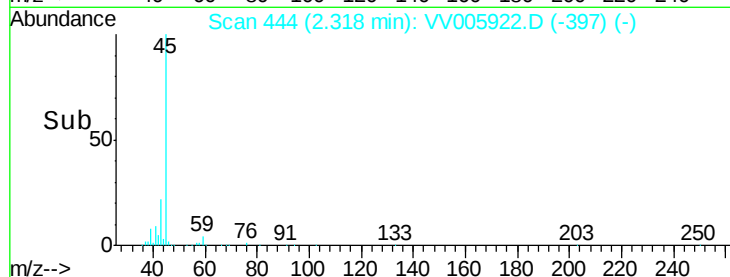
10000

5000

0

Time-->

2.25 2.30 2.35 2.40



#16

Methylene chloride

Concen: 0.31 ug/L

RT: 2.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VV005922.D

Acq: 15 May 2018 18:15

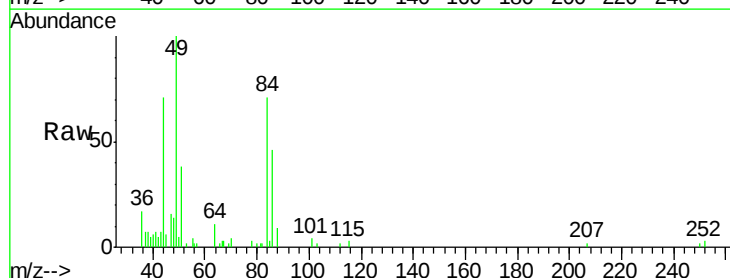
Tgt Ion: 84 Resp: 7221

Ion Ratio Lower Upper

84 100

86 64.8 44.3 82.3

49 140.5 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

8000

6000

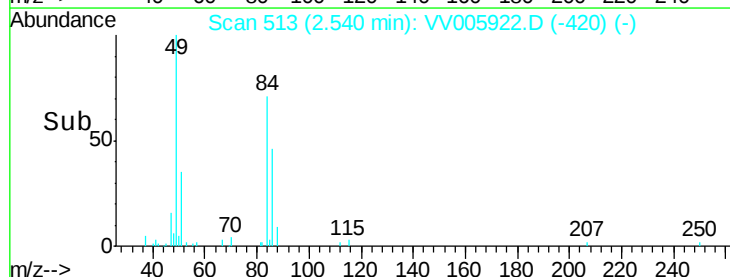
4000

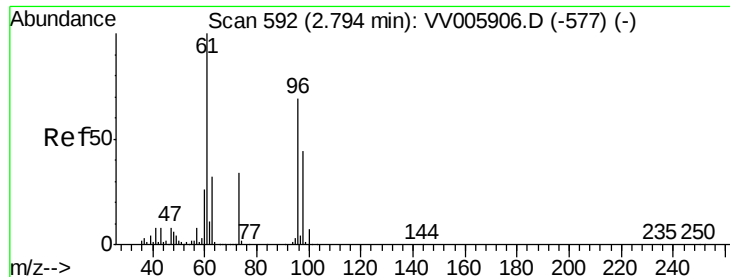
2000

0

Time-->

2.50 2.55 2.60





#18

trans-1,2-Dichloroethene

Concen: 2.06 ug/L

RT: 2.79 min Scan# 592

Delta R.T. -0.00 min

Lab File: VV005922.D

Acq: 15 May 2018 18:15

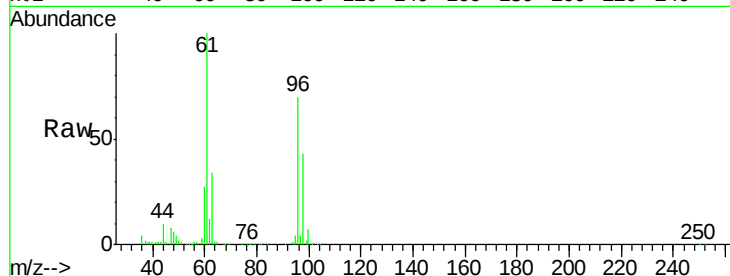
Tgt Ion: 96 Resp: 47557

Ion Ratio Lower Upper

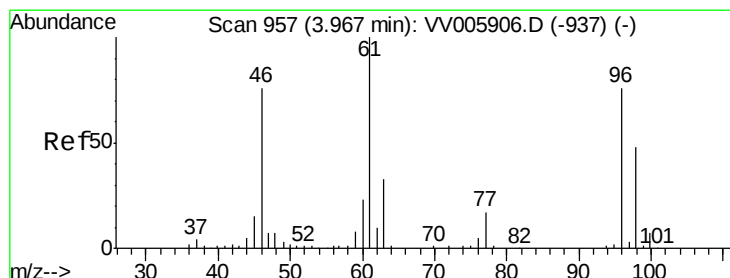
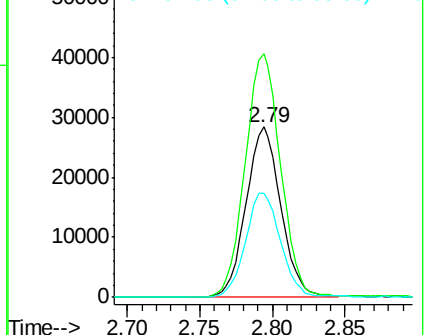
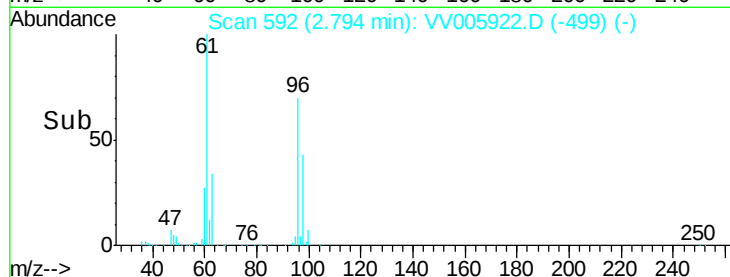
96 100

61 143.1 104.7 194.4

98 61.0 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VV005922.D (-499) (-)



#22

cis-1,2-Dichloroethene

Concen: 22.65 ug/L

RT: 3.97 min Scan# 958

Delta R.T. 0.00 min

Lab File: VV005922.D

Acq: 15 May 2018 18:15

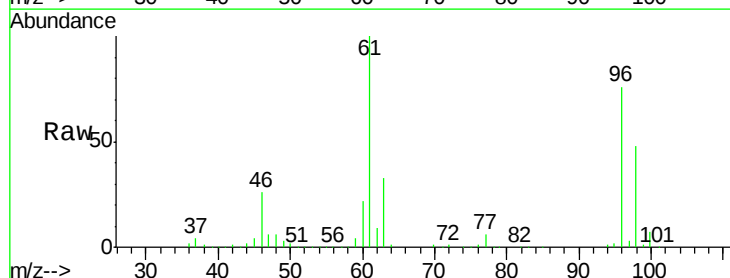
Tgt Ion: 96 Resp: 512446

Ion Ratio Lower Upper

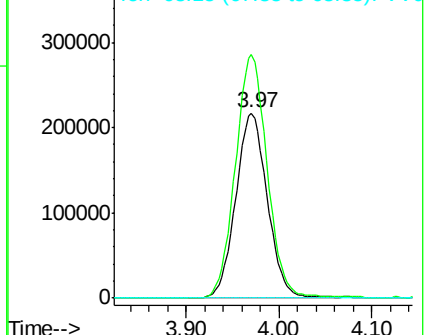
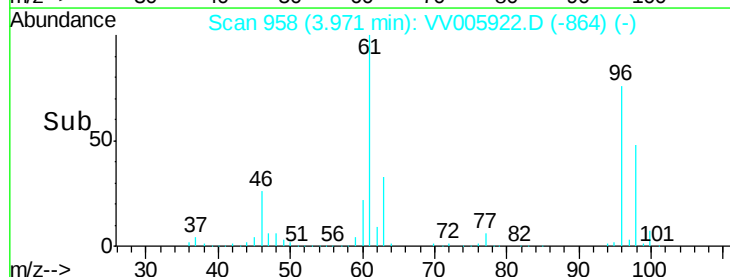
96 100

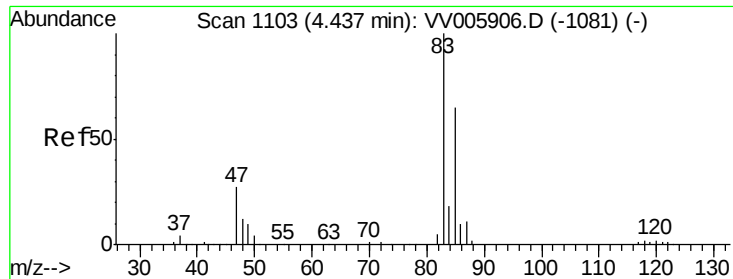
61 131.4 91.8 170.6

68 0.0 0.0 0.0



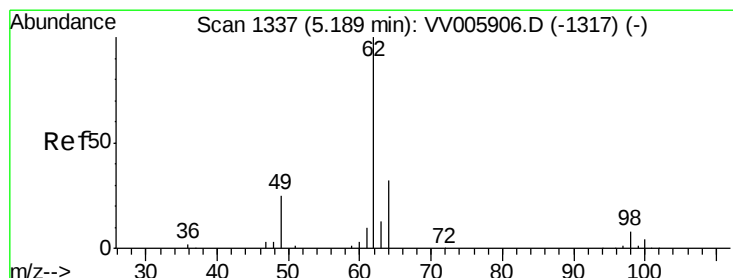
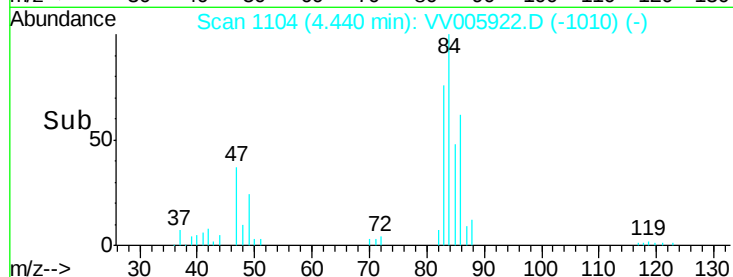
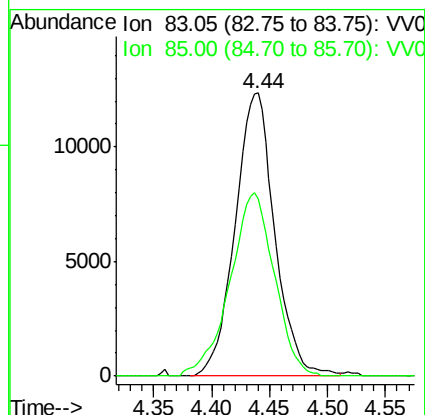
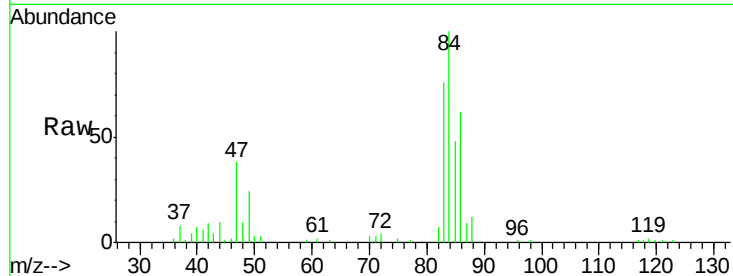
Abundance Ion 96.00 (95.70 to 96.70): VV005922.D (-864) (-)





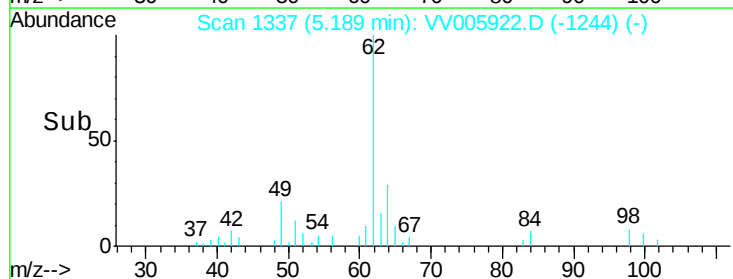
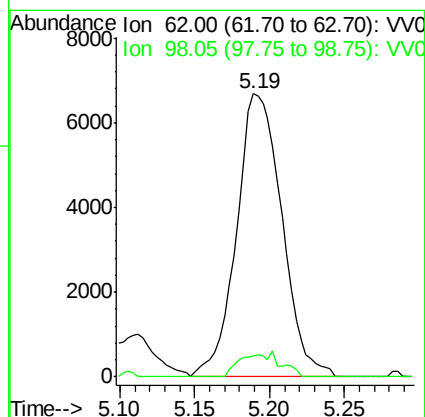
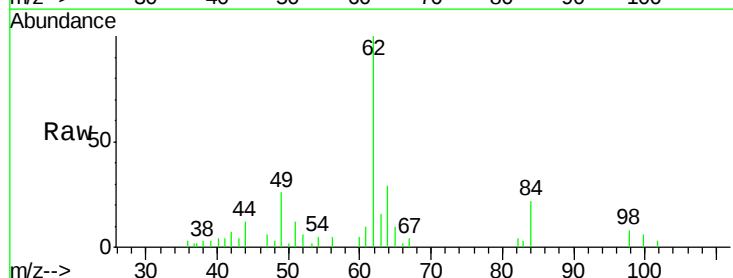
#25
Chloroform
Concen: 0.62 ug/L
RT: 4.44 min Scan# 1104
Delta R.T. 0.00 min
Lab File: VV005922.D
Acq: 15 May 2018 18:15

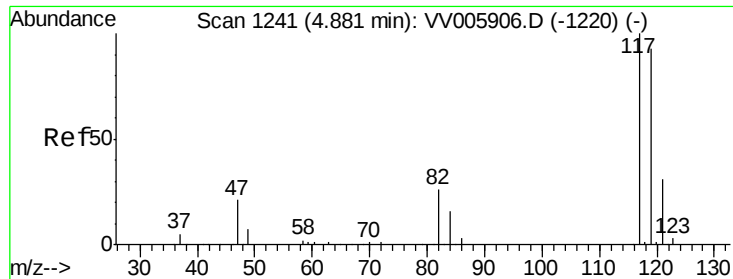
Tgt Ion: 83 Resp: 29287
Ion Ratio Lower Upper
83 100
85 62.6 47.1 87.5



#27
1,2-Dichloroethane
Concen: 0.50 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV005922.D
Acq: 15 May 2018 18:15

Tgt Ion: 62 Resp: 14129
Ion Ratio Lower Upper
62 100
98 7.5 6.1 9.1





#31

Carbon tetrachloride

Concen: 0.38 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VV005922.D

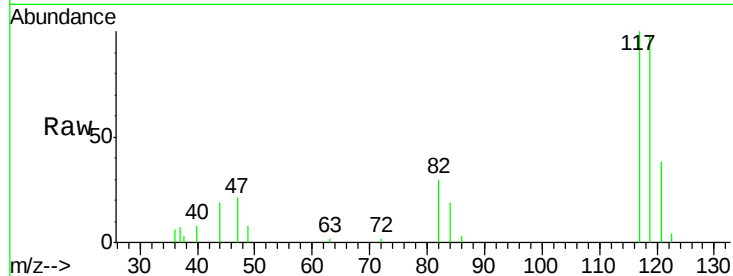
Acq: 15 May 2018 18:15

Tgt Ion: 117 Resp: 13125

Ion Ratio Lower Upper

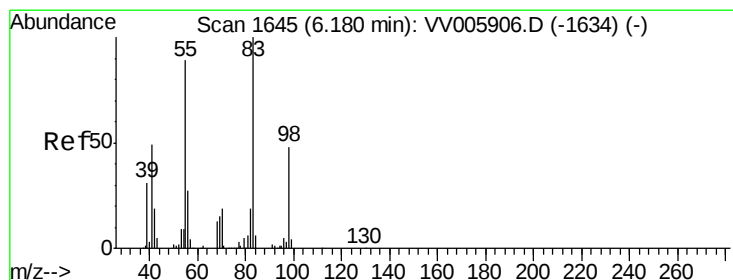
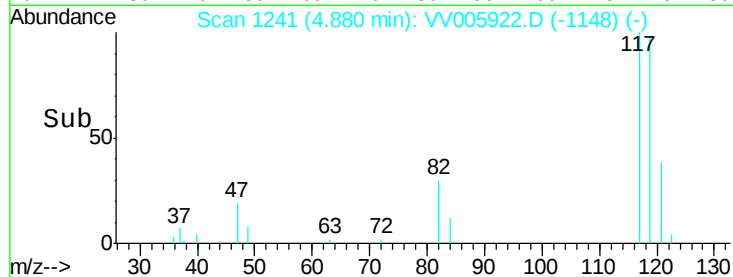
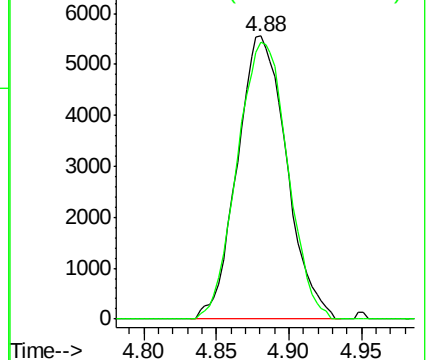
117 100

119 99.8 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#35

Methylcyclohexane

Concen: 29.40 ug/L

RT: 6.00 min Scan# 1589

Delta R.T. -0.18 min

Lab File: VV005922.D

Acq: 15 May 2018 18:15

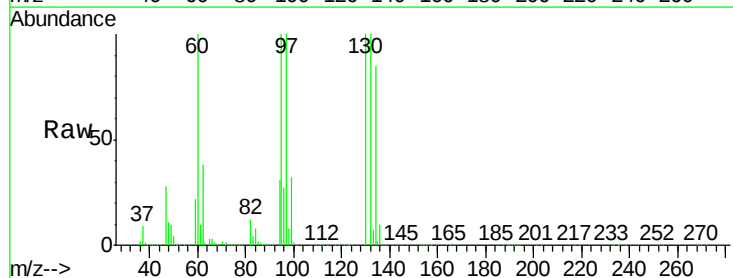
Tgt Ion: 83 Resp: 1022548

Ion Ratio Lower Upper

83 100

55 0.0 64.1 96.1#

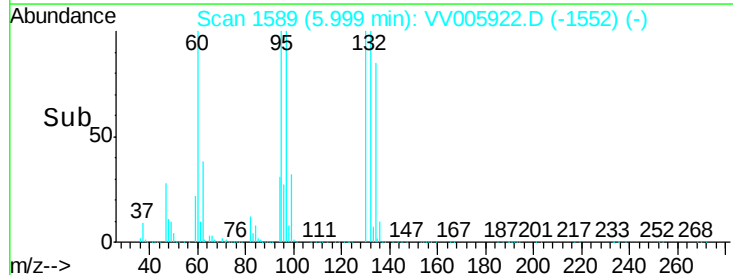
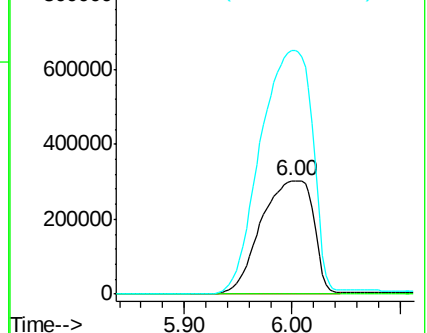
98 213.4 37.0 55.4#

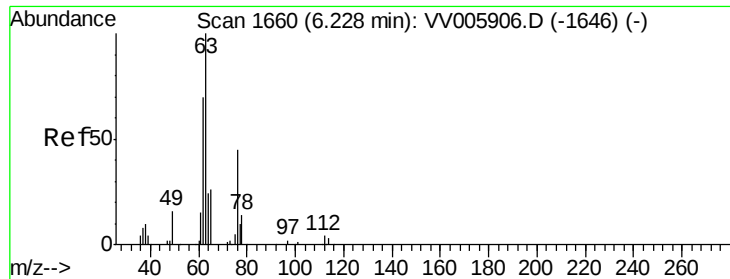


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.81 ug/L

RT: 6.13 min Scan# 1631

Delta R.T. -0.09 min

Lab File: VV005922.D

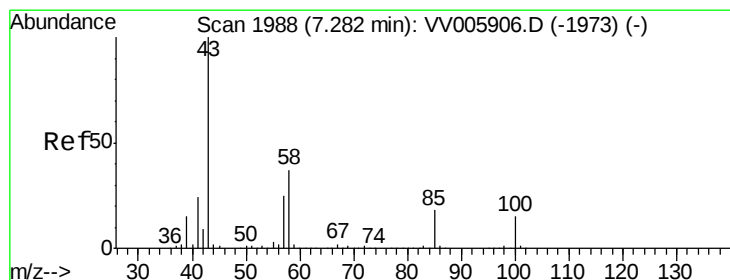
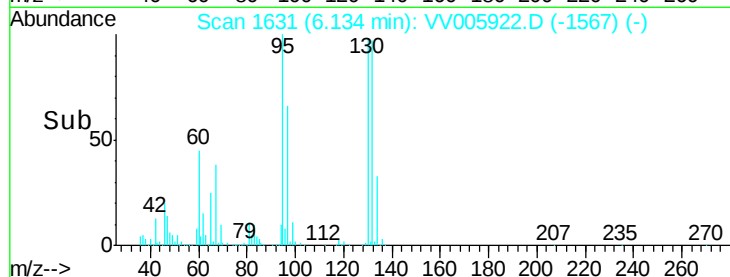
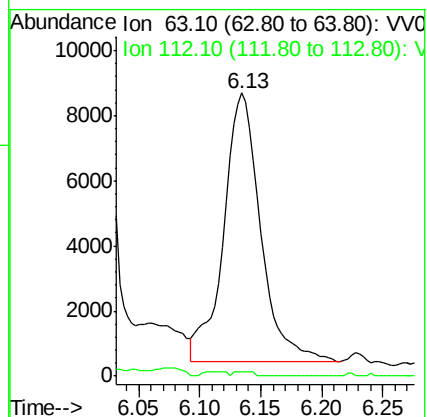
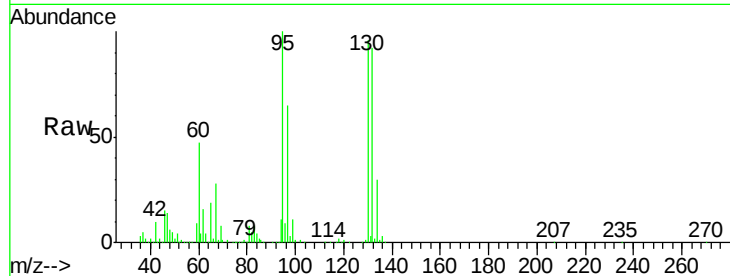
Acq: 15 May 2018 18:15

Tgt Ion: 63 Resp: 17408

Ion Ratio Lower Upper

63 100

112 0.9 3.5 5.3#



#40

4-Methyl-2-pentanone

Concen: 0.81 ug/L

RT: 7.20 min Scan# 1962

Delta R.T. -0.08 min

Lab File: VV005922.D

Acq: 15 May 2018 18:15

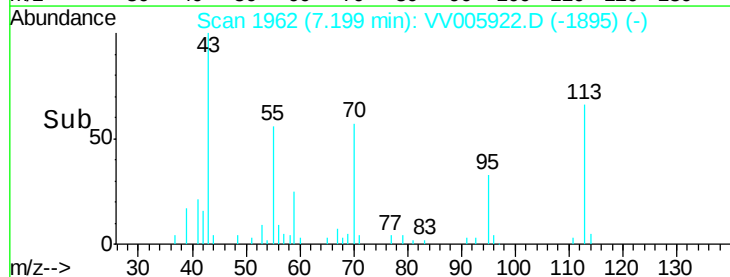
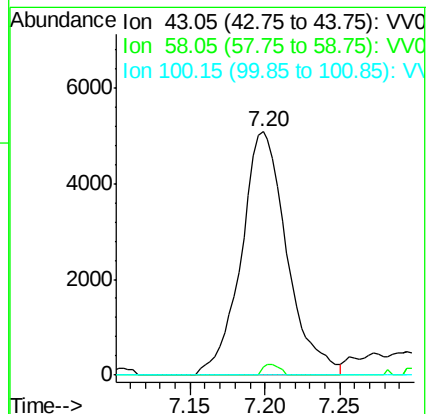
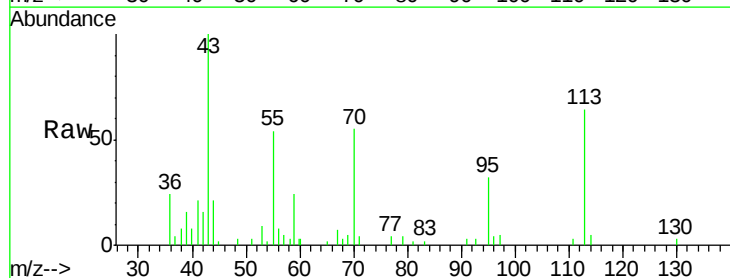
Tgt Ion: 43 Resp: 10818

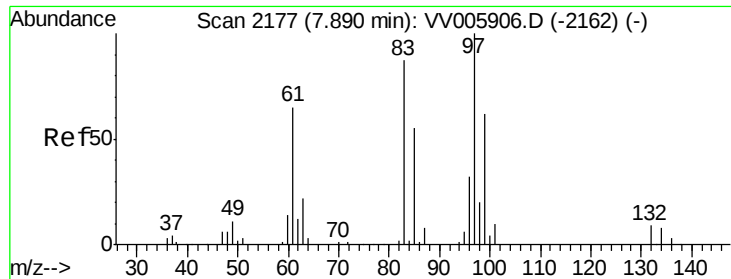
Ion Ratio Lower Upper

43 100

58 1.6 28.2 42.4#

100 0.0 10.2 15.4#





#45

1,1,2-Trichloroethane

Concen: 0.69 ug/L

RT: 7.89 min Scan# 2178

Delta R.T. 0.00 min

Lab File: VV005922.D

Acq: 15 May 2018 18:15

Tgt Ion: 97 Resp: 11067

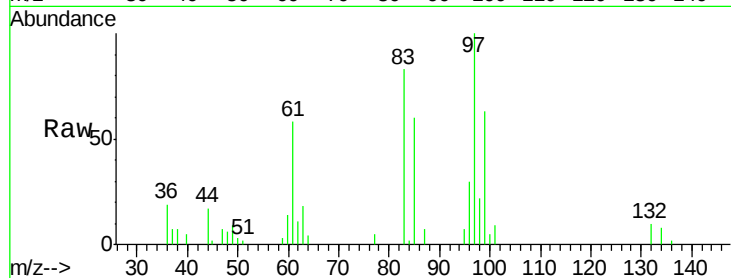
Ion Ratio Lower Upper

97 100

99 62.9 42.4 78.8

83 83.2 61.7 114.7

85 60.0 37.9 70.5



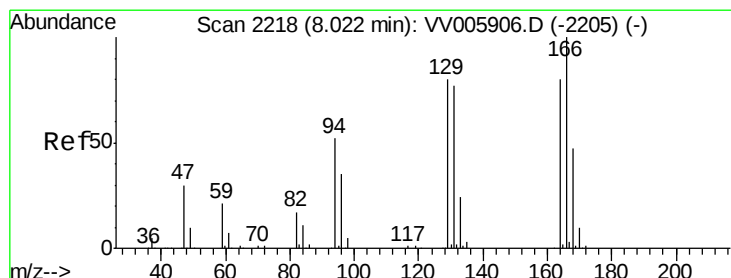
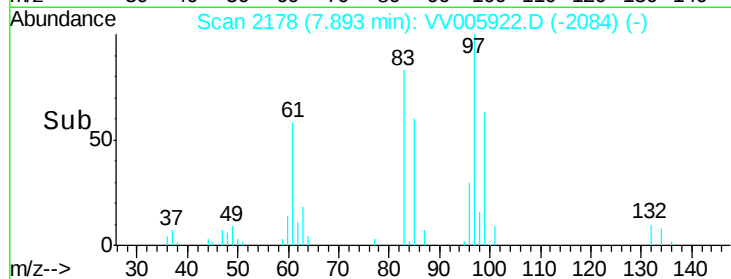
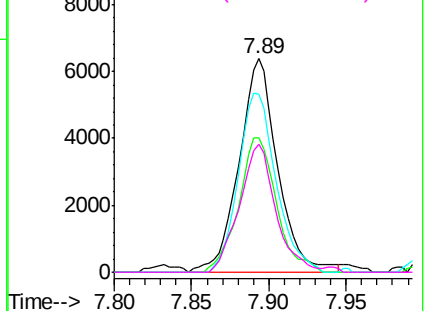
Abundance

Ion 96.95 (96.65 to 97.65): VV005922.D (-2162) (-)

Ion 99.05 (98.75 to 99.75): VV005922.D (-2162) (-)

Ion 82.95 (82.65 to 83.65): VV005922.D (-2162) (-)

Ion 85.00 (84.70 to 85.70): VV005922.D (-2162) (-)



#47

Tetrachloroethene

Concen: 90.10 ug/L

RT: 8.03 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VV005922.D

Acq: 15 May 2018 18:15

Tgt Ion: 164 Resp: 1560874

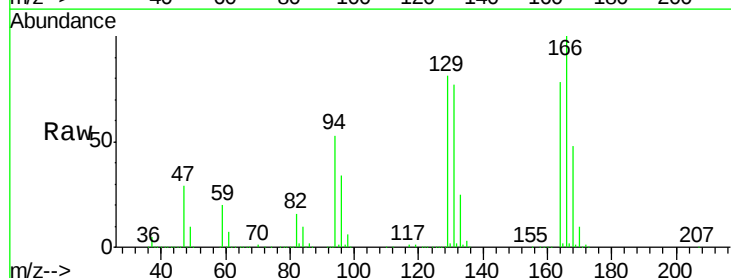
Ion Ratio Lower Upper

164 100

129 104.1 71.2 132.2

131 98.5 70.6 131.0

166 128.4 87.8 163.2



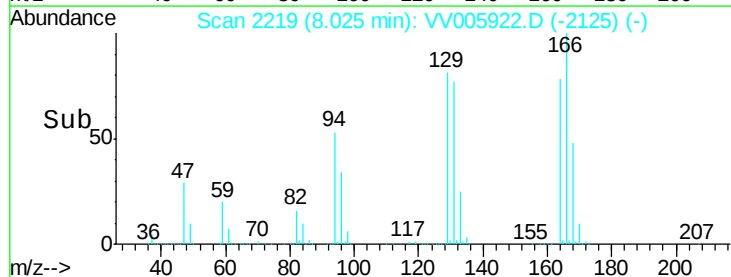
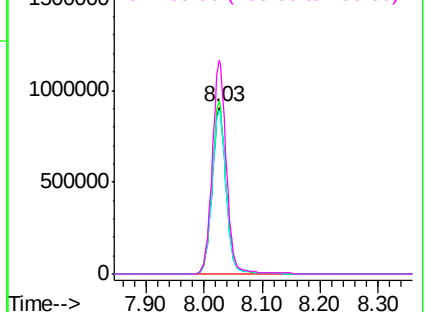
Abundance

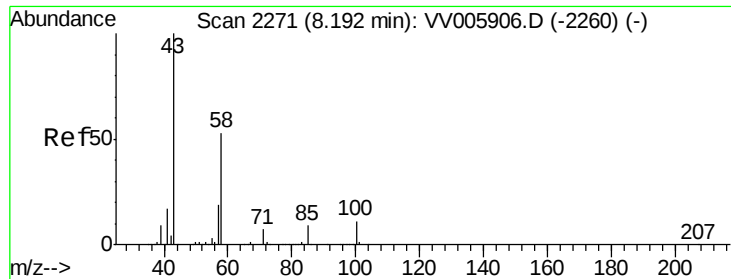
Ion 163.90 (163.60 to 164.60): VV005922.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VV005922.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VV005922.D (-2125) (-)

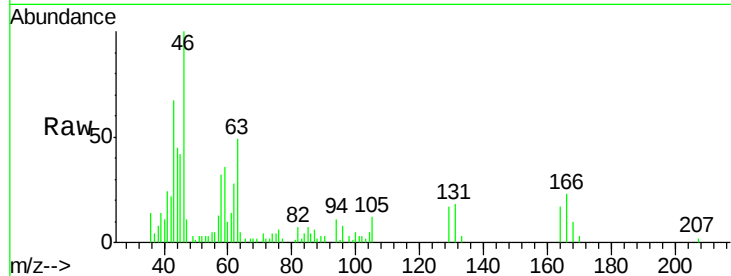
Ion 165.90 (165.60 to 166.60): VV005922.D (-2125) (-)



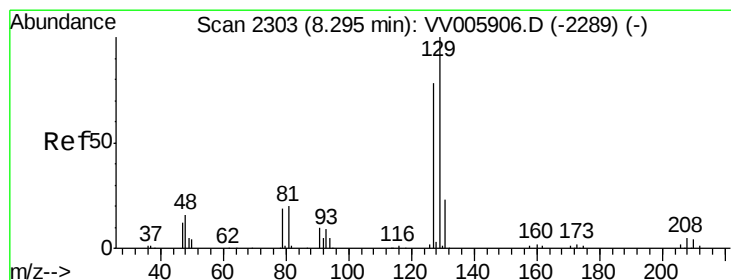
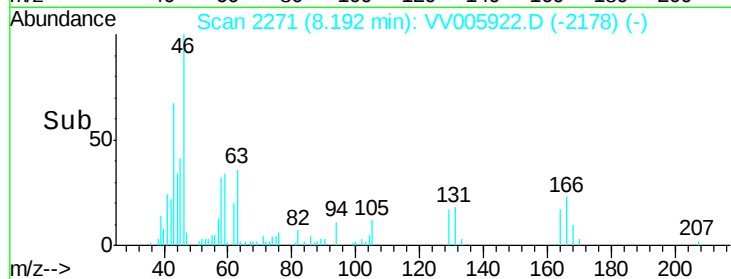
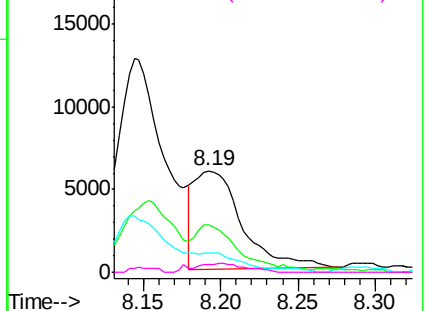


#48
2-Hexanone
Concen: 1.29 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV005922.D
Acq: 15 May 2018 18:15

Tgt Ion:	43	Resp:	12695
Ion	Ratio	Lower	Upper
43	100		
58	37.1	40.2	60.2#
57	4.2	14.6	22.0#
100	8.8	8.6	12.8

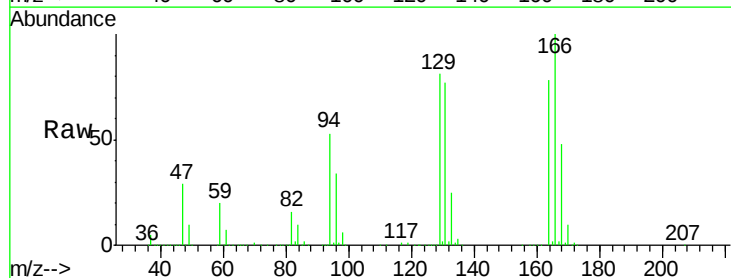


Abundance Ion 43.05 (42.75 to 43.75): VV005906.D (-2260) (-)
Ion 58.05 (57.75 to 58.75): VV005906.D (-2260) (-)
Ion 57.20 (56.90 to 57.90): VV005906.D (-2260) (-)
Ion 100.15 (99.85 to 100.85): VV005906.D (-2260) (-)



#49
Dibromochloromethane
Concen: 82.87 ug/L
RT: 8.03 min Scan# 2219
Delta R.T. -0.27 min
Lab File: VV005922.D
Acq: 15 May 2018 18:15

Tgt Ion:	129	Resp:	1539327
Ion	Ratio	Lower	Upper
129	100		
127	0.1	55.4	103.0#



Abundance Ion 128.95 (128.65 to 129.65): VV005906.D (-2289) (-)
Ion 126.90 (126.60 to 127.60): VV005906.D (-2289) (-)

