

Data Path : W:\HPCHEM1\MSVOA_V\DATA\VV052218\
 Data File : VV005994.D
 Acq On : 22 May 2018 17:16
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 23 01:14:20 2018
 Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR051818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 23 01:12:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	336567	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	314482	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	145520	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100489	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.58	69	80967	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.80%
11) 1,1-Dichloroethene-d2	2.13	63	197333	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.20%
20) 2-Butanone-d5	3.95	46	252552	51.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.60%
24) Chloroform-d	4.41	84	204203	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.09	65	106328	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.10	84	383363	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.12	67	119004	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.36	98	356688	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	7.67	79	44507	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.14	63	197903	50.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.66%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	78933	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	122528	4.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	107611	4.44	ug/L	97
3) Chloromethane	1.26	50	103485	4.84	ug/L	97
5) Vinyl chloride	1.32	62	115446	5.03	ug/L	98
6) Bromomethane	1.53	94	36610	4.80	ug/L	97
8) Chloroethane	1.60	64	72864	4.69	ug/L	99
9) Trichlorofluoromethane	1.77	101	179067	5.06	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	103568	5.07	ug/L	97
12) 1,1-Dichloroethene	2.14	96	88904	4.94	ug/L	87
13) Acetone	2.20	43	164400	51.29	ug/L	100
14) Carbon disulfide	2.32	76	225267	4.72	ug/L	99
15) Methyl Acetate	2.47	43	44788	5.20	ug/L	99
16) Methylene chloride	2.54	84	101662	4.67	ug/L	93
17) Methyl tert-butyl Ether	2.82	73	243345	4.93	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	95955	4.84	ug/L	100
19) 1,1-Dichloroethane	3.23	63	201805	5.17	ug/L	99
21) 2-Butanone	4.04	43	274109	51.56	ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	119325	5.09	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.31	128	46959	5.00	ug/L	98
25) Chloroform	4.43	83	218759	4.81	ug/L	100
27) 1,2-Dichloroethane	5.19	62	132556	4.95	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	189621	4.99	ug/L	99
30) Cyclohexane	4.73	56	156315	4.76	ug/L	98
31) Carbon tetrachloride	4.88	117	167472	5.12	ug/L	99
33) Benzene	5.15	78	433439	5.02	ug/L	100
34) Trichloroethene	5.96	95	122378	4.98	ug/L	98
35) Methylcyclohexane	6.18	83	167564	4.89	ug/L	99
37) 1,2-Dichloropropane	6.23	63	113175	5.05	ug/L	100
38) Bromodichloromethane	6.56	83	147792	5.17	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	152856	4.97	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	644886	49.90	ug/L	99
42) Toluene	7.44	91	472253	5.18	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	129155	5.16	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	79284	5.16	ug/L	98
47) Tetrachloroethene	8.02	164	85994	4.96	ug/L	95
48) 2-Hexanone	8.19	43	476038	51.66	ug/L	99
49) Dibromochloromethane	8.30	129	91910	5.14	ug/L	96
50) 1,2-Dibromoethane	8.40	107	69210	4.96	ug/L	97
51) Chlorobenzene	8.93	112	307899	5.02	ug/L	99
52) Ethylbenzene	9.06	91	514227	5.03	ug/L	99
53) m,p-xylene	9.19	106	195034	5.22	ug/L	98
54) o-xylene	9.59	106	187576	5.13	ug/L	94
55) Styrene	9.61	104	323078	5.31	ug/L	96
56) Isopropylbenzene	9.98	105	517126	5.15	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	81876	4.73	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	69356	5.09	ug/L	99
61) Bromoform	9.78	173	44023	5.04	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	227927	5.01	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	228804	4.92	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	223510	5.08	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	12606	4.84	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	170596	5.04	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	130003	5.06	ug/L	99
69) Naphthalene	13.56	128	204526	5.10	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	127549	5.22	ug/L	99

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

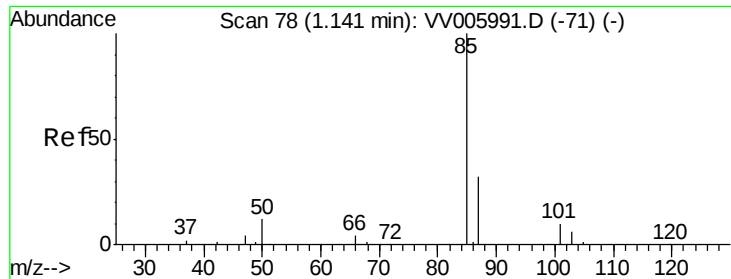
Abundance

TIC: VV005994.D

Time-->

1.00 1.50 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50 9.00 9.50 10.00 10.50 11.00 11.50 12.00 12.50 13.00 13.50 14.00 14.50 15.00 15.50 16.00 16.50 17.00

Chloromethane, T
Vinyl Chloride, T
Bromomethane, T
1,1-Dichloroethane, T
Acetone
Carbon disulfide, T
Methyl acetate, T
Methylene chloride, T
Methyl acetate, T
1,1-Dichloroethane, T
1,1-Dichloroethane, T
2-Butanone, T
Bromochloromethane, T
Chloroform, T
1,1,1-Trichloroethane, T
Carbon tetrachloride, T
1,2-Dichloroethane, T
1,4-Difluorobenzene, I
Trichloroethene, T
1,2-Dichloropropane, T
Methylcyclohexane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
4-Methyl-2-pentanone, T
Toluene, T
trans-1,3-Dichloropropene, T
1,1,2-Trichloroethane, T
Tetrachloroethene, T
2-Hexanone, T
1,2-Dibromoethane, T
1,2-Dibromochloromethane, T
Chlorobenzene, I
Ethylbenzene, T
m,p-xylene, I
Bromofluoromethane, T
Isopropylbenzene, T
1,2,3-Trichlorobenzene, T
1,3-Dichlorobenzene, T
1,2,4-Trichlorobenzene, T
1,2,3-Trichlorobenzene, T
Naphthalene
1,2-Dibromo-3-chloropropane, T
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene, T
1,2,3-Trichlorobenzene, T



#2

Dichlorodifluoromethane

Concen: 4.44 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV005994.D

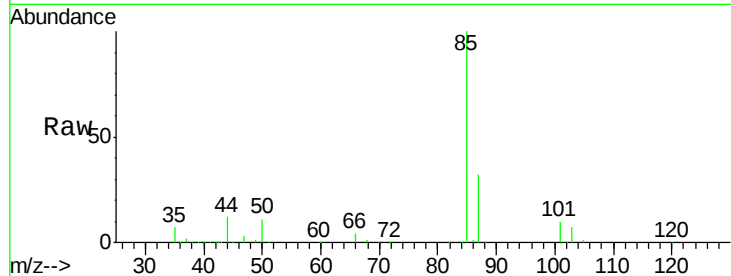
Acq: 22 May 2018 17:16

Tgt Ion: 85 Resp: 107611

Ion Ratio Lower Upper

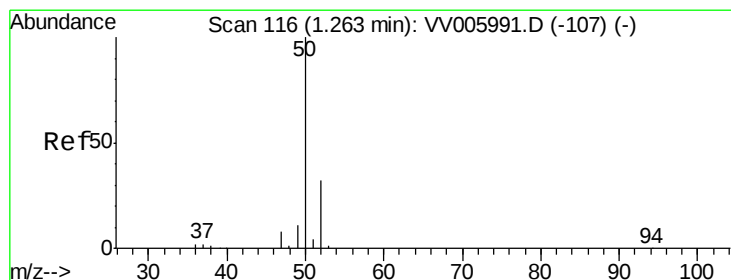
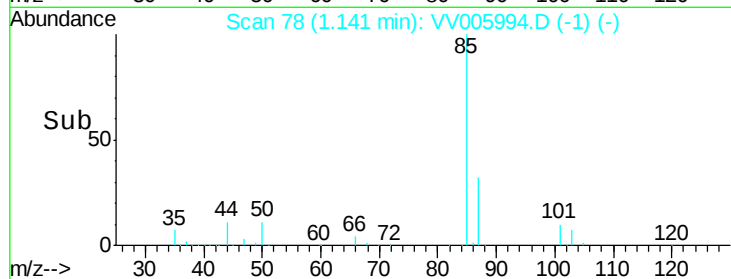
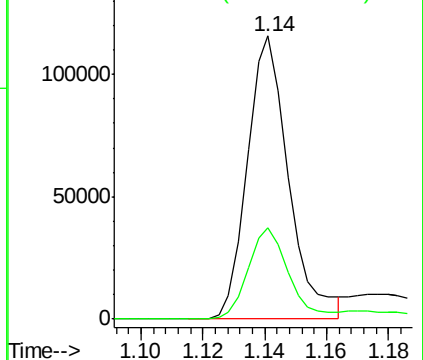
85 100

87 31.3 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: 4.84 ug/L

RT: 1.26 min Scan# 115

Delta R.T. -0.00 min

Lab File: VV005994.D

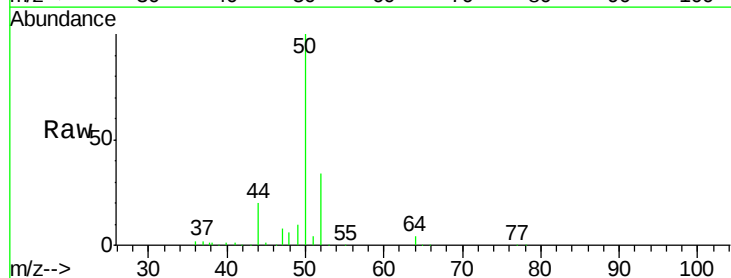
Acq: 22 May 2018 17:16

Tgt Ion: 50 Resp: 103485

Ion Ratio Lower Upper

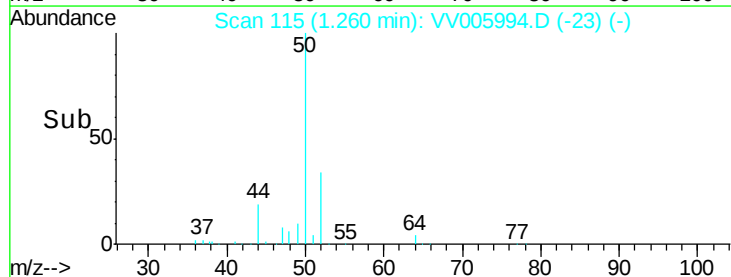
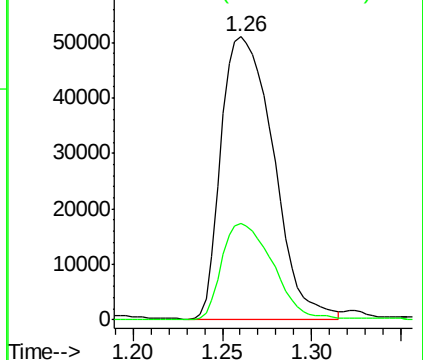
50 100

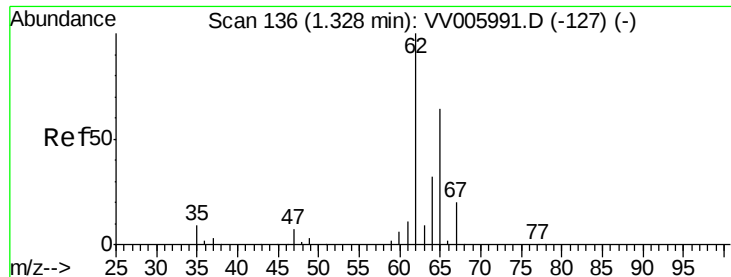
52 33.9 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.03 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV005994.D

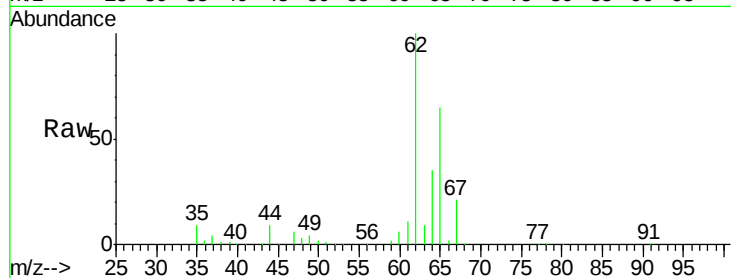
Acq: 22 May 2018 17:16

Tgt Ion: 62 Resp: 115446

Ion Ratio Lower Upper

62 100

64 34.9 25.4 47.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

120000

100000

80000

60000

40000

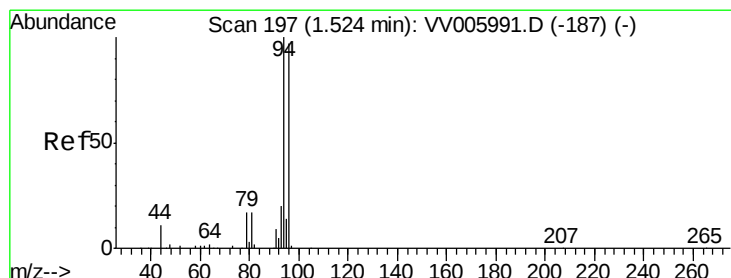
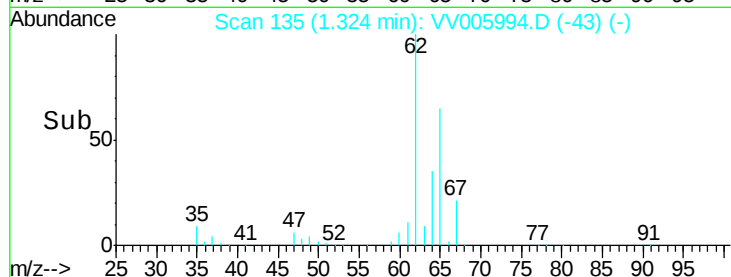
20000

0

1.32

1.25 1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 4.80 ug/L

RT: 1.53 min Scan# 200

Delta R.T. 0.01 min

Lab File: VV005994.D

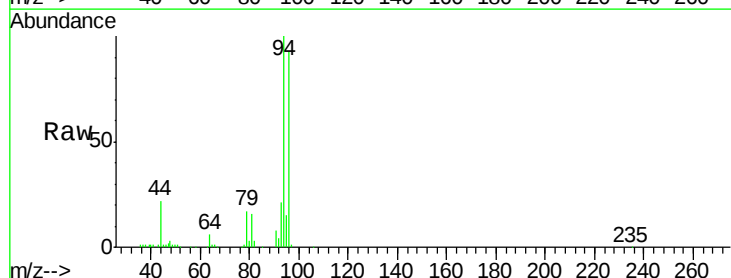
Acq: 22 May 2018 17:16

Tgt Ion: 94 Resp: 36610

Ion Ratio Lower Upper

94 100

96 92.9 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

30000

20000

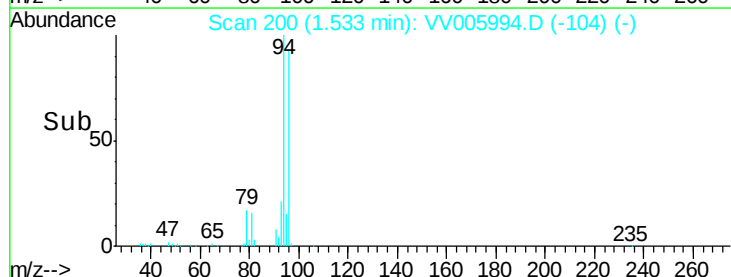
10000

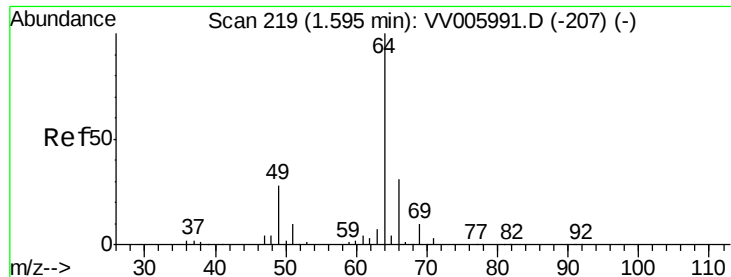
0

1.53

1.50 1.55 1.60

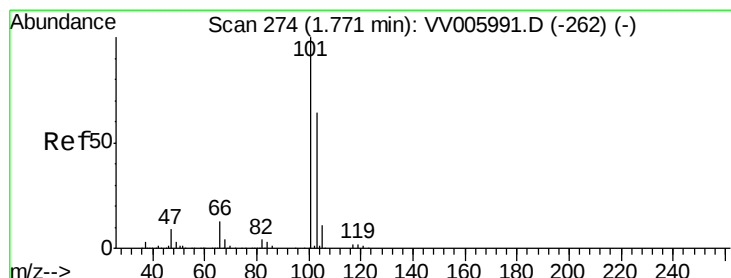
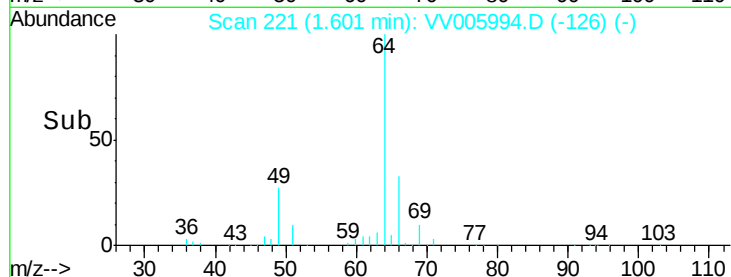
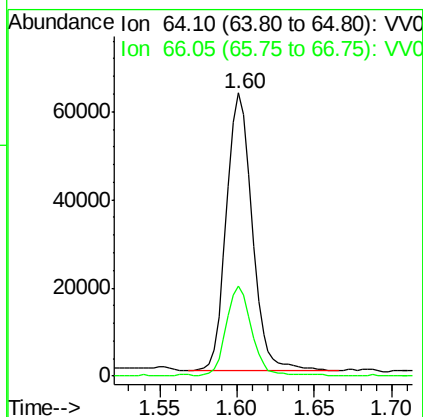
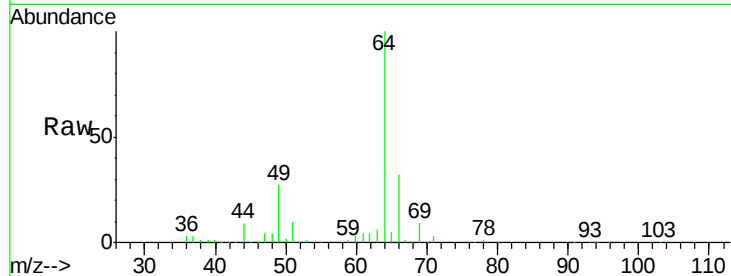
Time-->





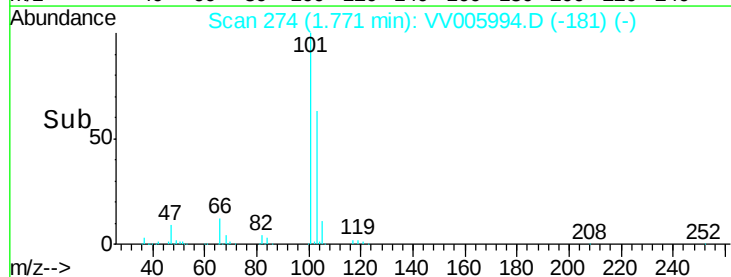
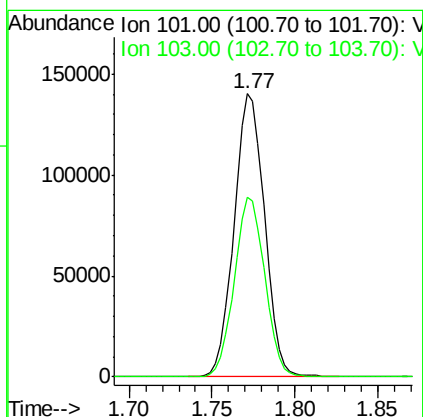
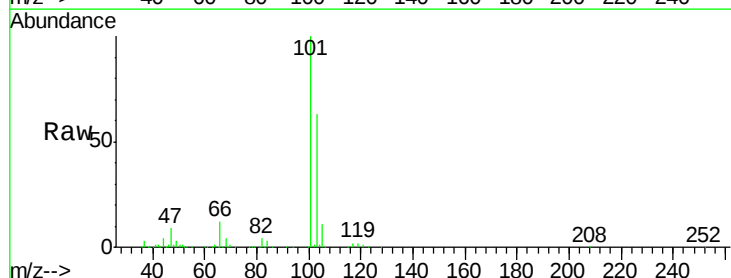
#8
Chloroethane
Concen: 4.69 ug/L
RT: 1.60 min Scan# 221
Delta R.T. 0.01 min
Lab File: VV005994.D
Acq: 22 May 2018 17:16

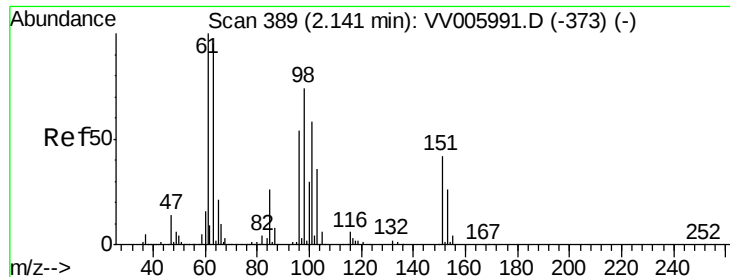
Tgt Ion: 64 Resp: 72864
Ion Ratio Lower Upper
64 100
66 31.7 22.7 42.3



#9
Trichlorofluoromethane
Concen: 5.06 ug/L
RT: 1.77 min Scan# 274
Delta R.T. -0.00 min
Lab File: VV005994.D
Acq: 22 May 2018 17:16

Tgt Ion: 101 Resp: 179067
Ion Ratio Lower Upper
101 100
103 63.5 52.3 78.5





#10

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

Concen: 5.07 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV005994.D

Acq: 22 May 2018 17:16

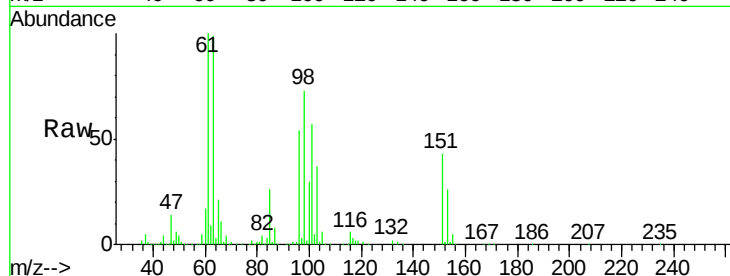
Tgt Ion: 101 Resp: 103568

Ion Ratio Lower Upper

101 100

85 46.0 35.2 52.8

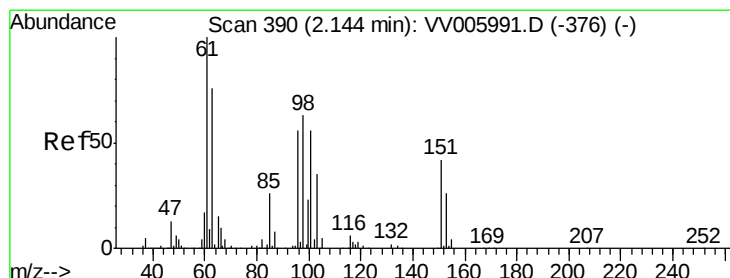
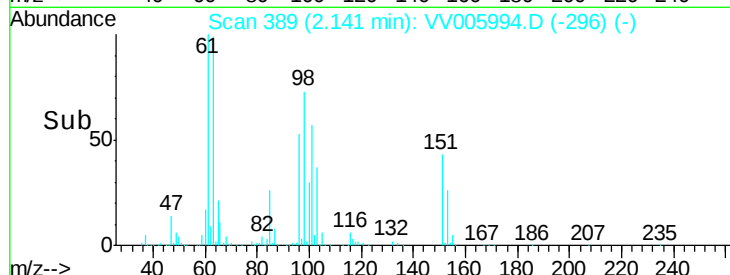
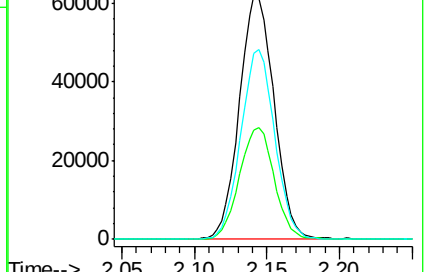
151 76.0 59.2 88.8



Abundance Ion 101.00 (100.70 to 101.70): VV005994.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV005994.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV005994.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 4.94 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV005994.D

Acq: 22 May 2018 17:16

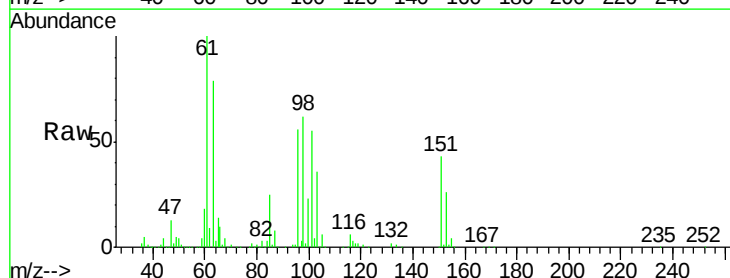
Tgt Ion: 96 Resp: 88904

Ion Ratio Lower Upper

96 100

61 178.8 117.5 218.3

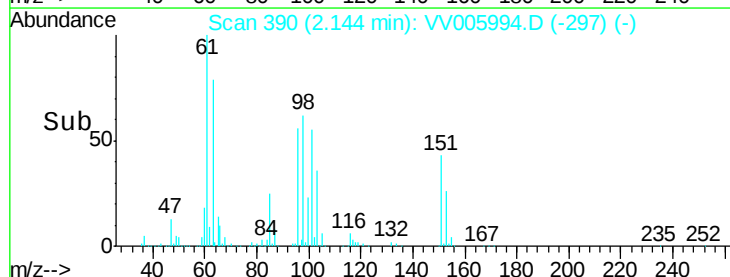
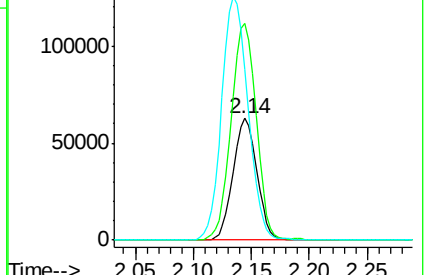
63 140.7 83.0 154.1

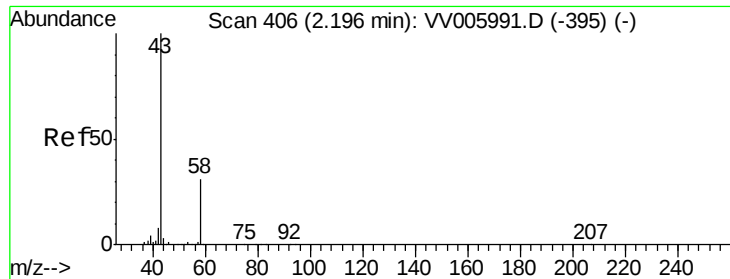


Abundance Ion 96.00 (95.70 to 96.70): VV005994.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV005994.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV005994.D (-297) (-)





#13

Acetone

Concen: 51.29 ug/L

RT: 2.20 min Scan# 406

Delta R.T. -0.00 min

Lab File: VV005994.D

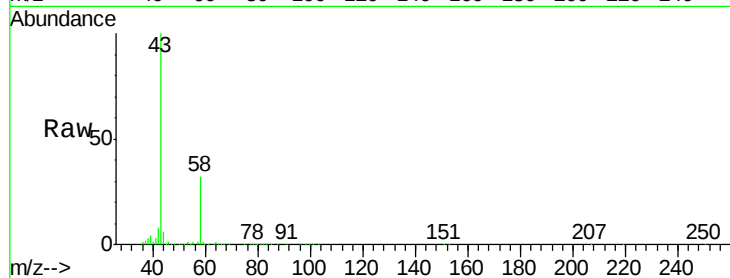
Acq: 22 May 2018 17:16

Tgt Ion: 43 Resp: 164400

Ion Ratio Lower Upper

43 100

58 30.8 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VV005994.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VV005994.D (-395) (-)

2.20

120000

100000

80000

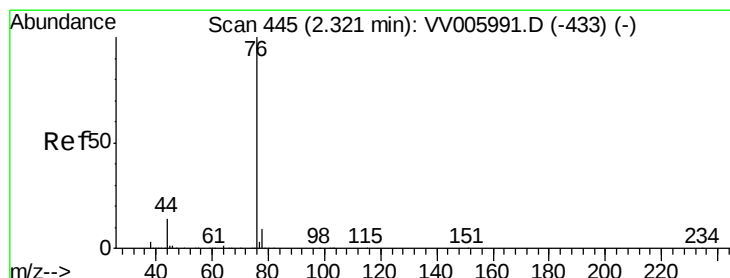
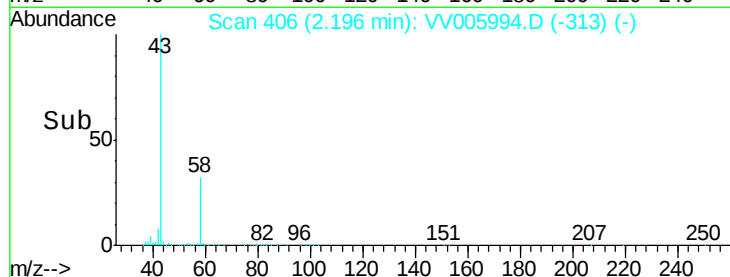
60000

40000

20000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 4.72 ug/L

RT: 2.32 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV005994.D

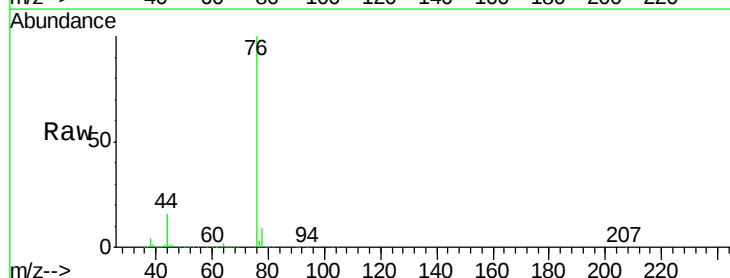
Acq: 22 May 2018 17:16

Tgt Ion: 76 Resp: 225267

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV005994.D (-433) (-)

Ion 78.00 (77.70 to 78.70): VV005994.D (-433) (-)

2.32

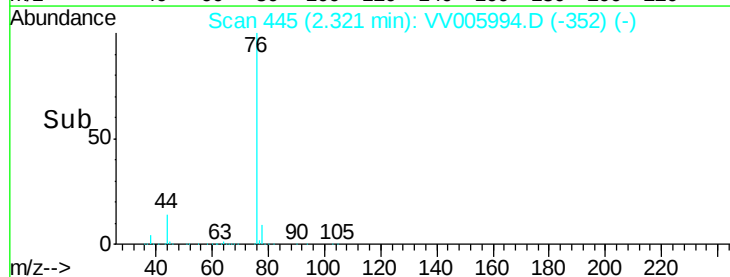
150000

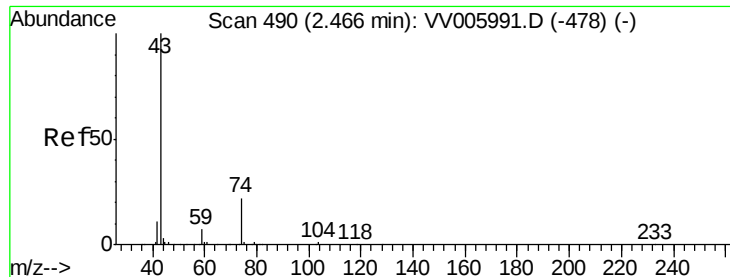
100000

50000

0

Time--> 2.25 2.30 2.35 2.40





#15

Methyl Acetate

Concen: 5.20 ug/L

RT: 2.47 min Scan# 490

Delta R.T. -0.00 min

Lab File: VV005994.D

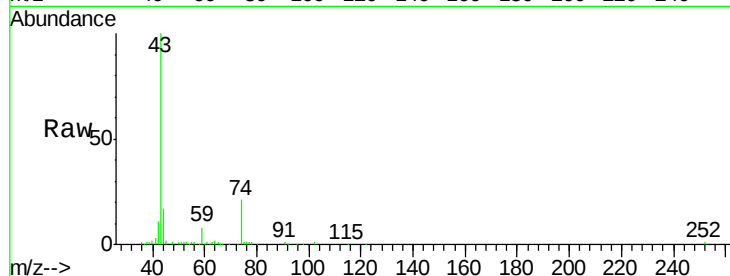
Acq: 22 May 2018 17:16

Tgt Ion: 43 Resp: 44788

Ion Ratio Lower Upper

43 100

74 21.5 17.8 26.6



Abundance Ion 43.05 (42.75 to 43.75): VV005994.D (-478) (-)

Ion 74.05 (73.75 to 74.75): VV005994.D (-478) (-)

2.47

30000

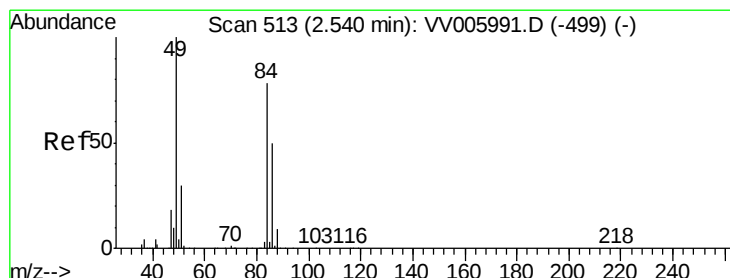
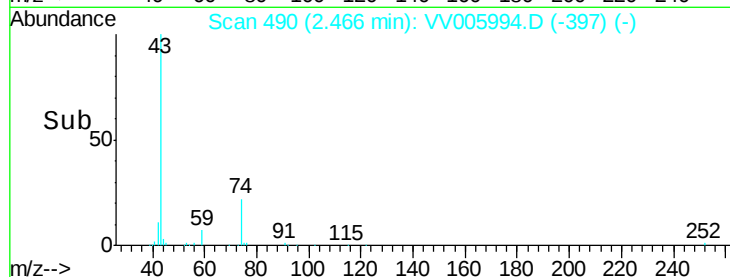
20000

10000

0

Time-->

2.40 2.45 2.50



#16

Methylene chloride

Concen: 4.67 ug/L

RT: 2.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VV005994.D

Acq: 22 May 2018 17:16

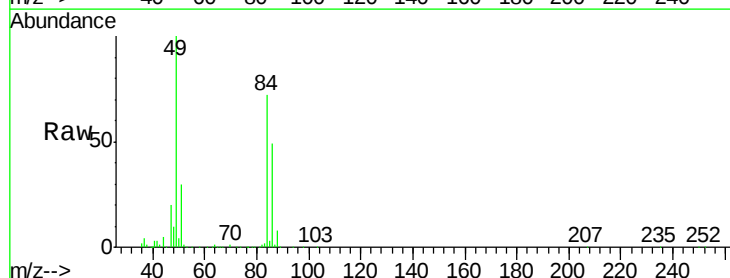
Tgt Ion: 84 Resp: 101662

Ion Ratio Lower Upper

84 100

86 67.9 45.7 84.9

49 138.2 89.9 167.0



Abundance Ion 84.05 (83.75 to 84.75): VV005994.D (-499) (-)

Ion 86.00 (85.70 to 86.70): VV005994.D (-499) (-)

Ion 49.10 (48.80 to 49.80): VV005994.D (-499) (-)

2.54

120000

100000

80000

60000

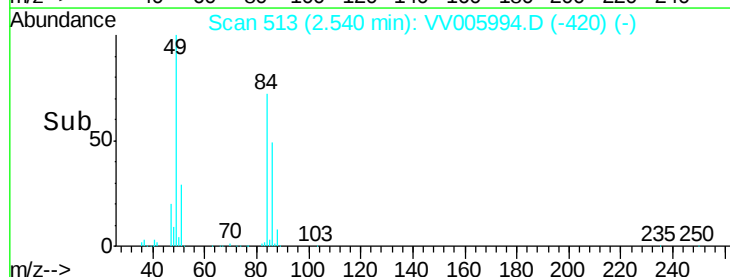
40000

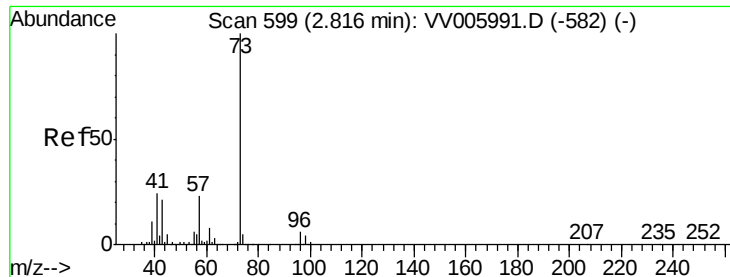
20000

0

Time-->

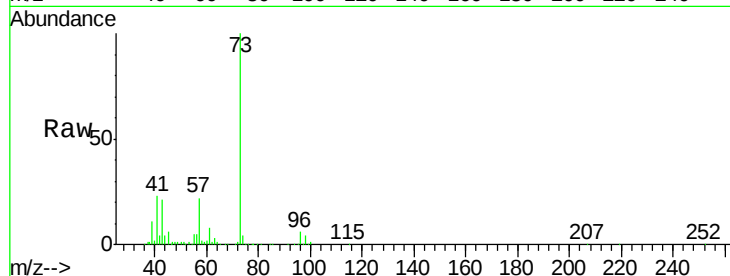
2.45 2.50 2.55 2.60 2.65





#17
Methyl tert-butyl Ether
Concen: 4.93 ug/L
RT: 2.82 min Scan# 599
Delta R.T. -0.00 min
Lab File: VV005994.D
Acq: 22 May 2018 17:16

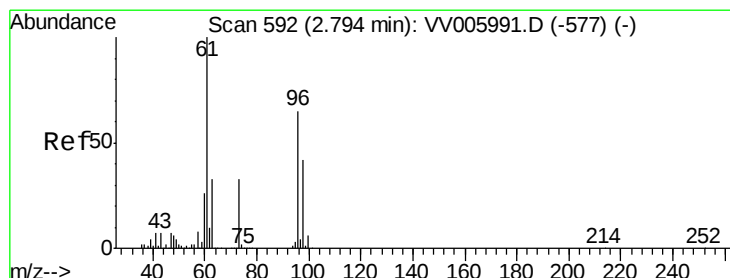
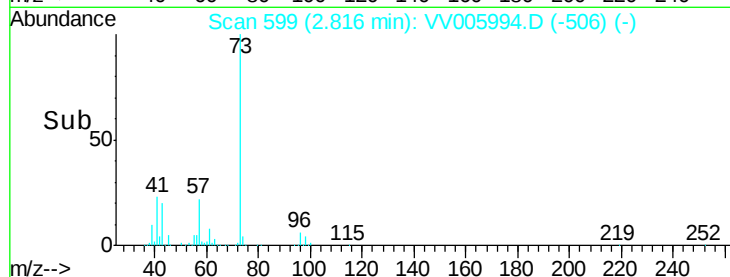
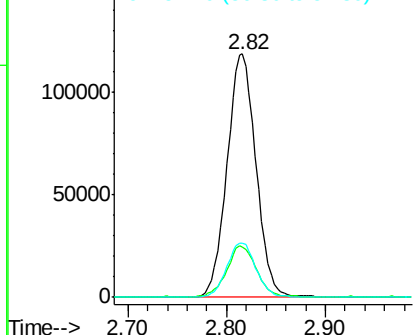
Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.2	16.1	24.1
57	22.7	18.2	27.4



Abundance Ion 73.10 (72.80 to 73.80): VV005994.D (-582) (-)

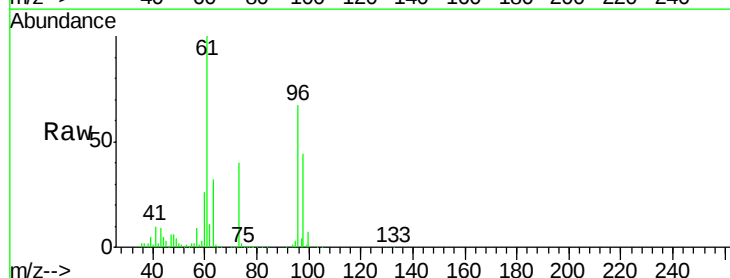
Ion 43.05 (42.75 to 43.75): VV005994.D (-582) (-)

Ion 57.10 (56.80 to 57.80): VV005994.D (-582) (-)



#18
trans-1,2-Dichloroethene
Concen: 4.84 ug/L
RT: 2.79 min Scan# 592
Delta R.T. -0.00 min
Lab File: VV005994.D
Acq: 22 May 2018 17:16

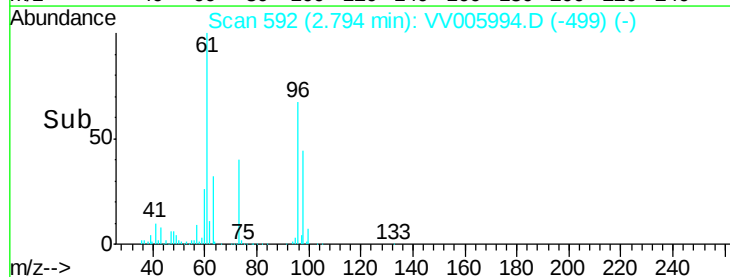
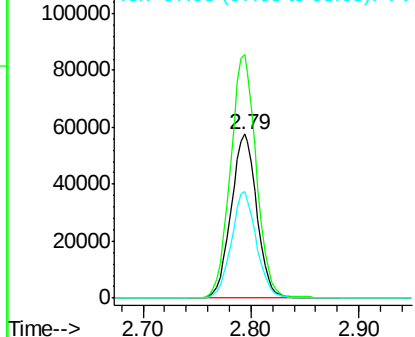
Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.6	104.2	193.4
98	64.9	45.8	85.0

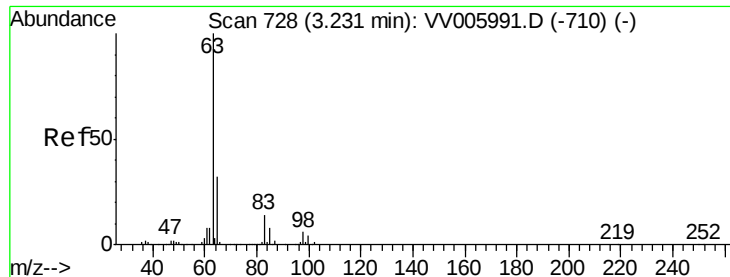


Abundance Ion 96.00 (95.70 to 96.70): VV005994.D (-577) (-)

Ion 61.05 (60.75 to 61.75): VV005994.D (-577) (-)

Ion 97.95 (97.65 to 98.65): VV005994.D (-577) (-)





#19

1,1-Dichloroethane

Concen: 5.17 ug/L

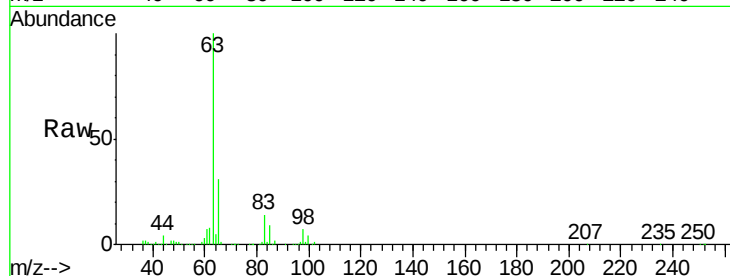
RT: 3.23 min Scan# 728

Delta R.T. -0.00 min

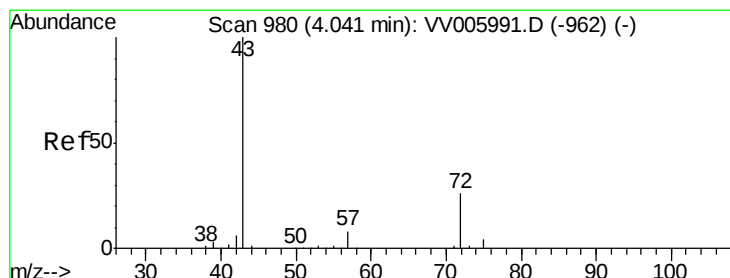
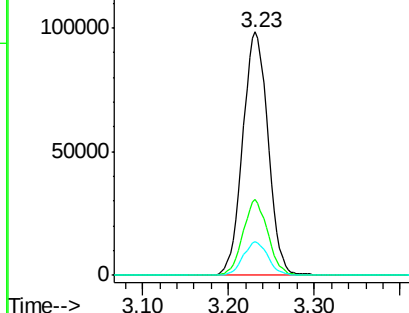
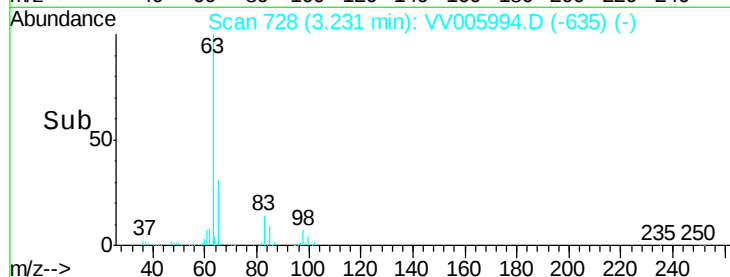
Lab File: VV005994.D

Acq: 22 May 2018 17:16

Tgt Ion:	63	Resp:	201805
Ion	Ratio	Lower	Upper
63	100		
65	31.0	21.5	39.9
83	13.8	10.1	18.9



Abundance Ion 63.10 (62.80 to 63.80): VV005994.D (-635) (-)



#21

2-Butanone

Concen: 51.56 ug/L

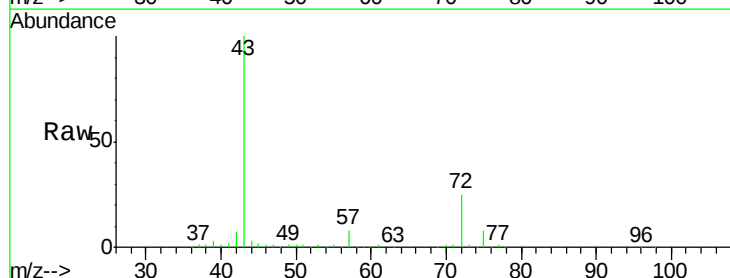
RT: 4.04 min Scan# 979

Delta R.T. -0.00 min

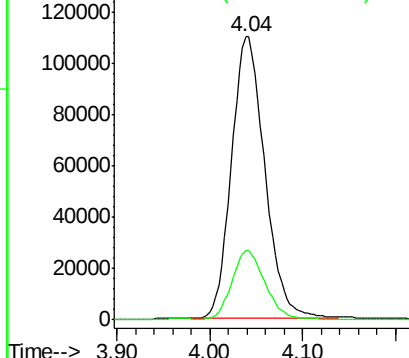
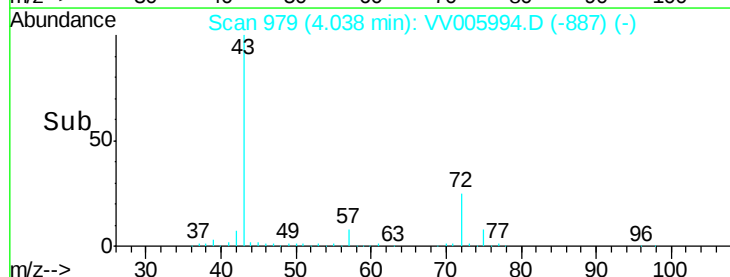
Lab File: VV005994.D

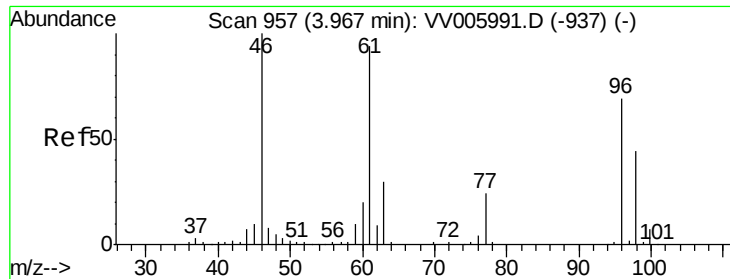
Acq: 22 May 2018 17:16

Tgt Ion:	43	Resp:	274109
Ion	Ratio	Lower	Upper
43	100		
72	24.4	12.4	37.0



Abundance Ion 43.05 (42.75 to 43.75): VV005994.D (-887) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.09 ug/L

RT: 3.97 min Scan# 957

Delta R.T. -0.00 min

Lab File: VV005994.D

Acq: 22 May 2018 17:16

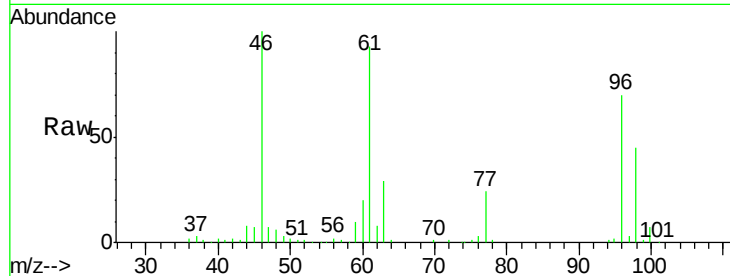
Tgt Ion: 96 Resp: 119325

Ion Ratio Lower Upper

96 100

61 133.6 95.8 178.0

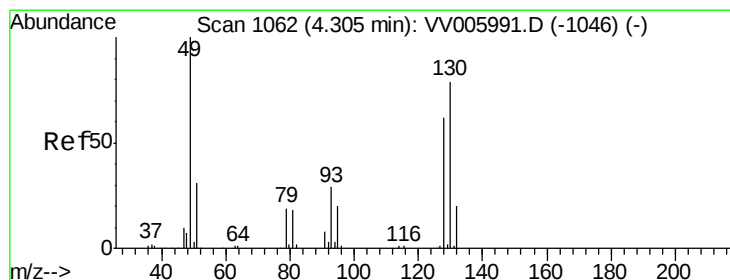
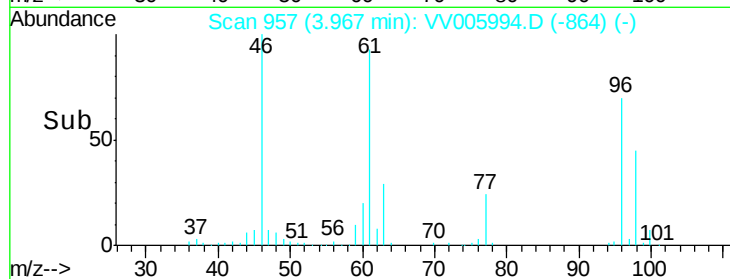
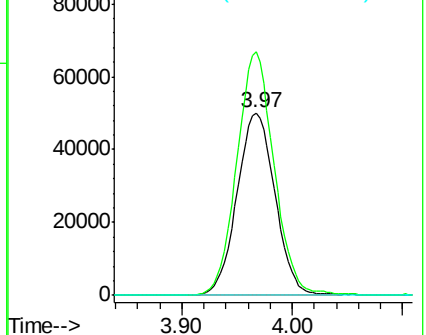
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV005991.D (-937) (-)

Ion 61.05 (60.75 to 61.75): VV005991.D (-937) (-)

Ion 68.15 (67.85 to 68.85): VV005991.D (-937) (-)



#23

Bromochloromethane

Concen: 5.00 ug/L

RT: 4.31 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VV005994.D

Acq: 22 May 2018 17:16

Tgt Ion: 128 Resp: 46959

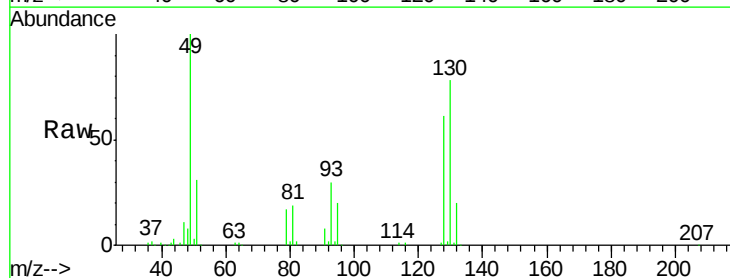
Ion Ratio Lower Upper

128 100

49 164.1 115.7 214.9

130 127.6 86.7 160.9

51 50.3 42.3 63.5

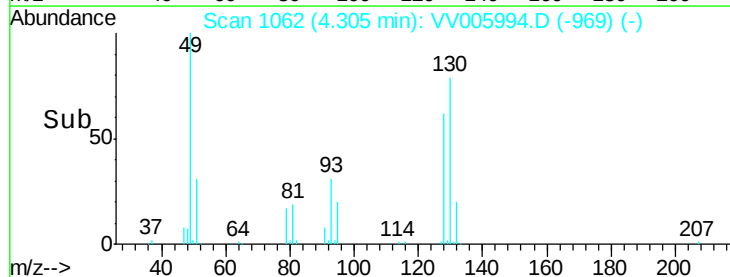
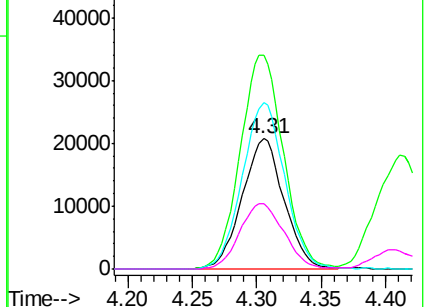


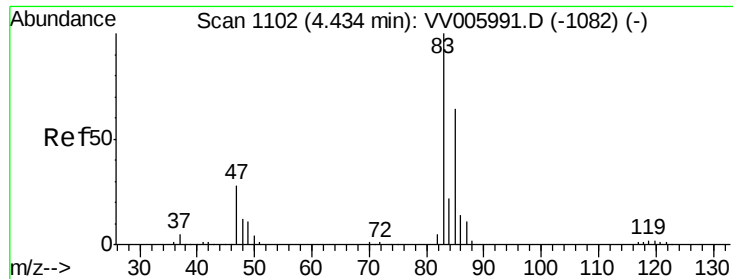
Abundance Ion 127.90 (127.60 to 128.60): VV005991.D (-1046) (-)

Ion 49.10 (48.80 to 49.80): VV005991.D (-1046) (-)

Ion 129.95 (129.65 to 130.65): VV005991.D (-1046) (-)

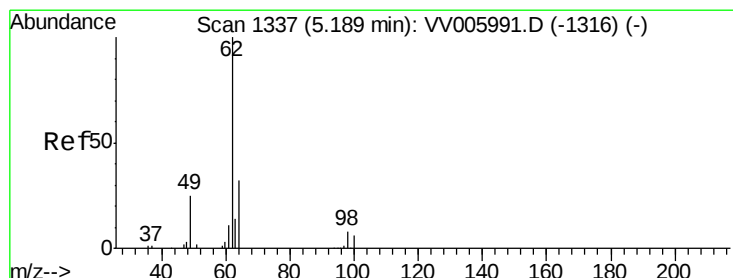
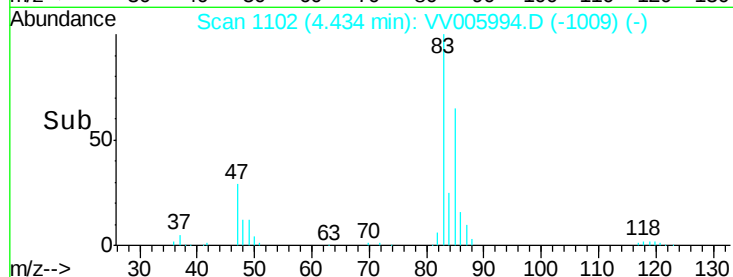
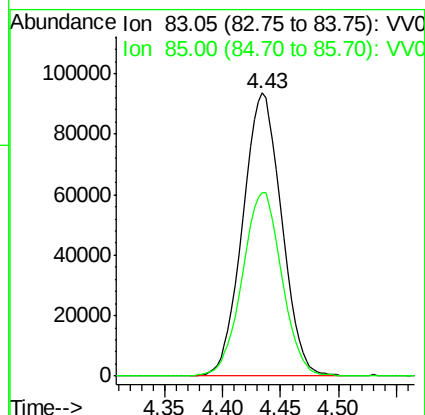
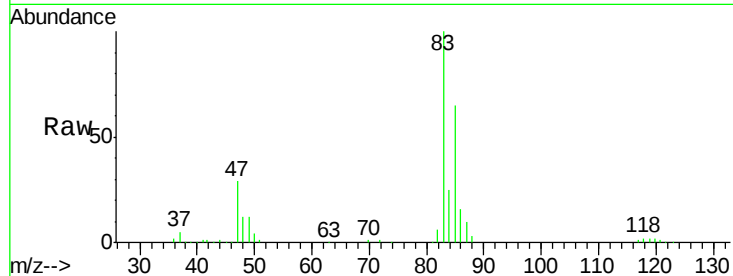
Ion 51.05 (50.75 to 51.75): VV005991.D (-1046) (-)





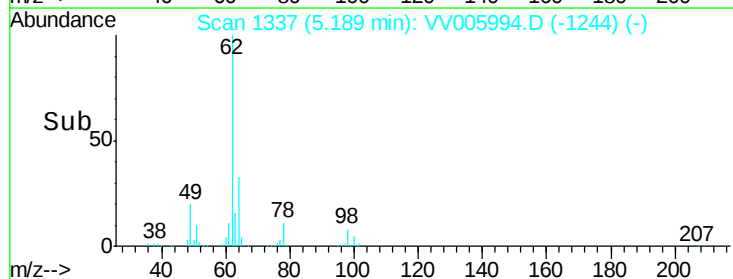
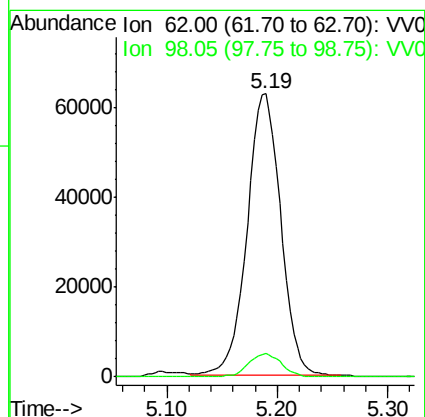
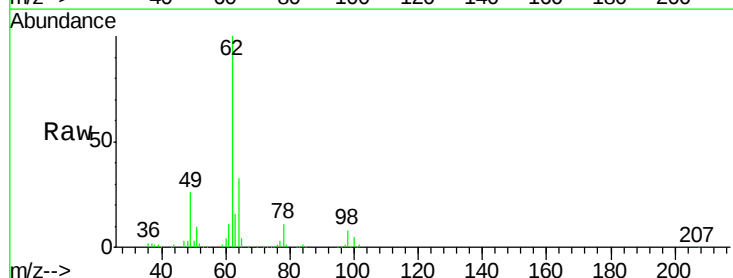
#25
Chloroform
Concen: 4.81 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV005994.D
Acq: 22 May 2018 17:16

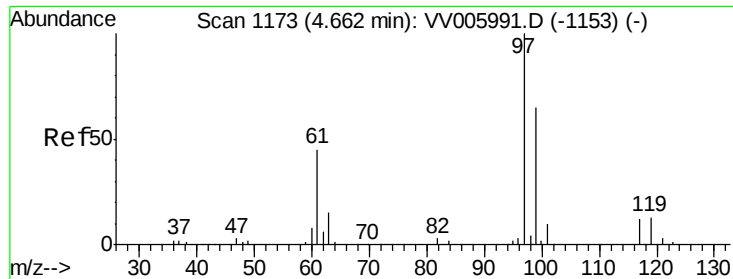
Tgt Ion: 83 Resp: 218759
Ion Ratio Lower Upper
83 100
85 65.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.95 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV005994.D
Acq: 22 May 2018 17:16

Tgt Ion: 62 Resp: 132556
Ion Ratio Lower Upper
62 100
98 8.3 6.6 9.8





#29

1,1,1-Trichloroethane

Concen: 4.99 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VV005994.D

Acq: 22 May 2018 17:16

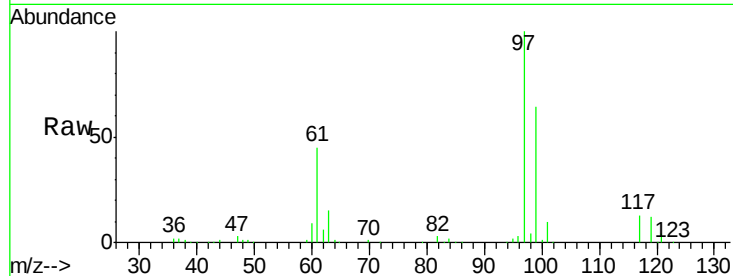
Tgt Ion: 97 Resp: 189621

Ion Ratio Lower Upper

97 100

99 64.9 51.1 76.7

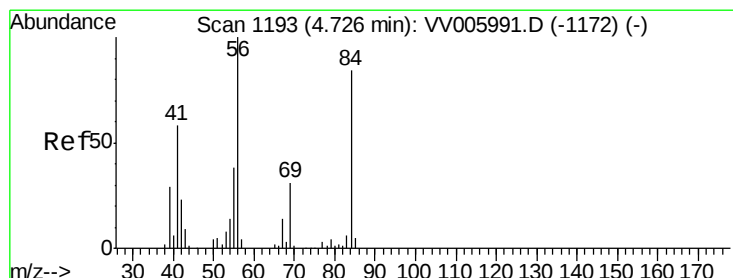
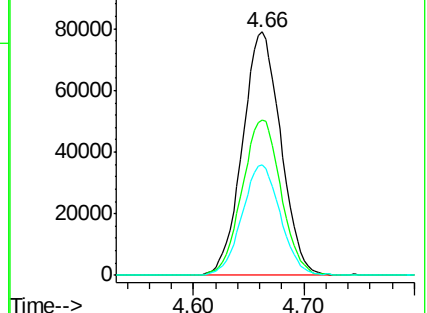
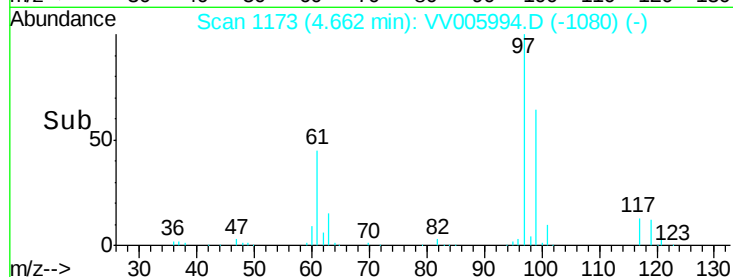
61 45.4 36.0 54.0



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.76 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VV005994.D

Acq: 22 May 2018 17:16

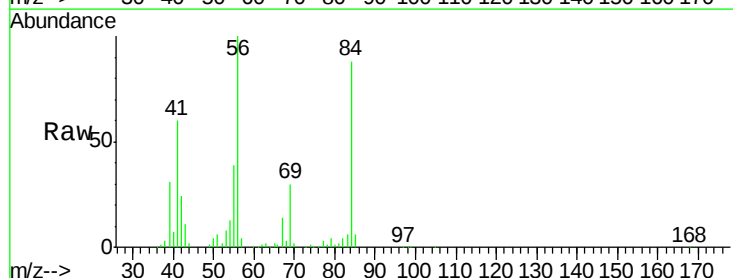
Tgt Ion: 56 Resp: 156315

Ion Ratio Lower Upper

56 100

69 30.6 24.7 37.1

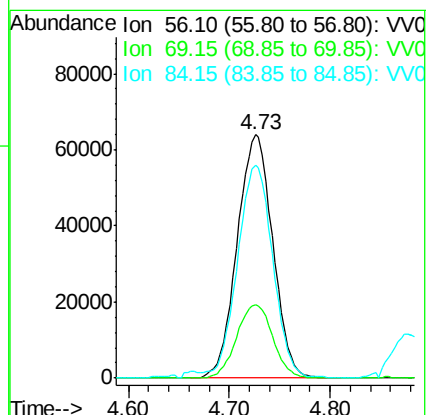
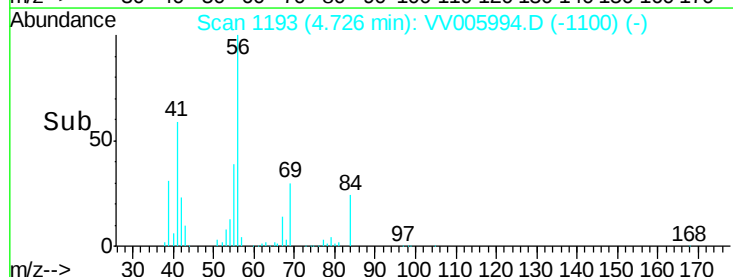
84 86.4 67.4 101.0

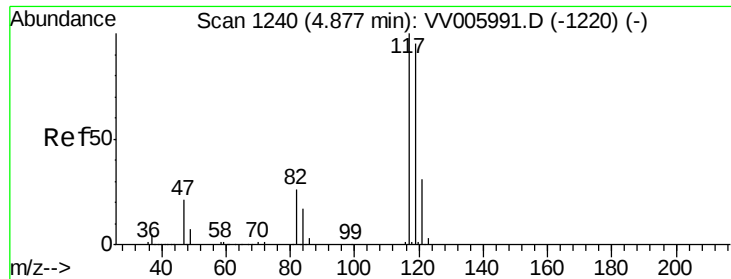


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.12 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV005994.D

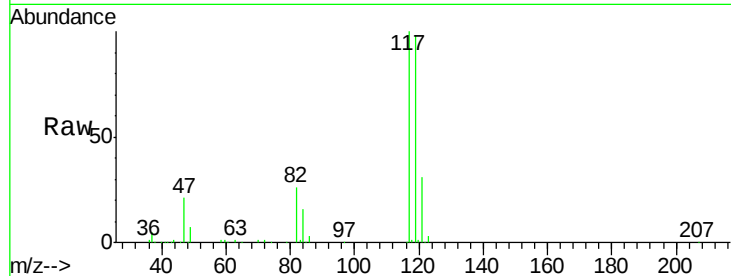
Acq: 22 May 2018 17:16

Tgt Ion: 117 Resp: 167472

Ion Ratio Lower Upper

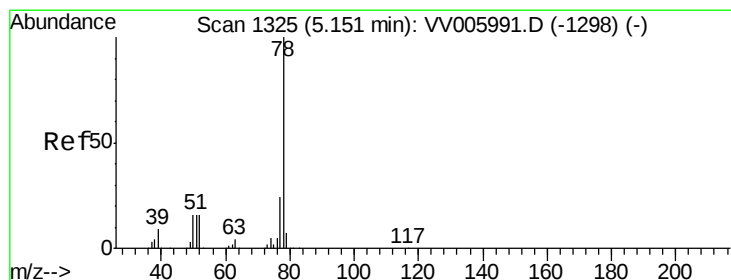
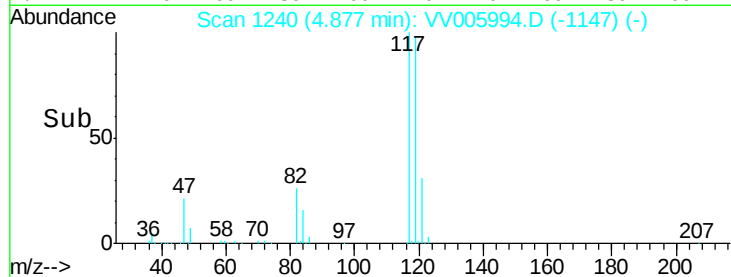
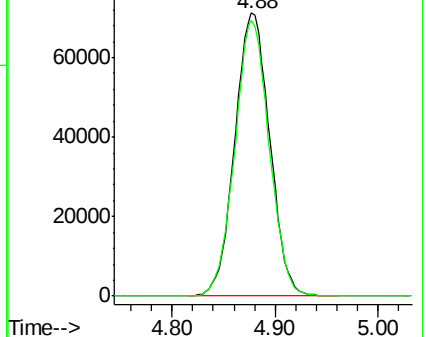
117 100

119 96.2 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.02 ug/L

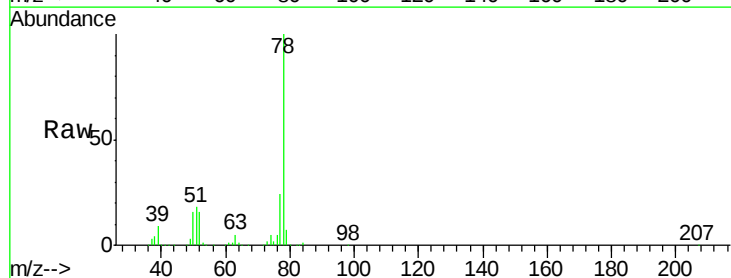
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

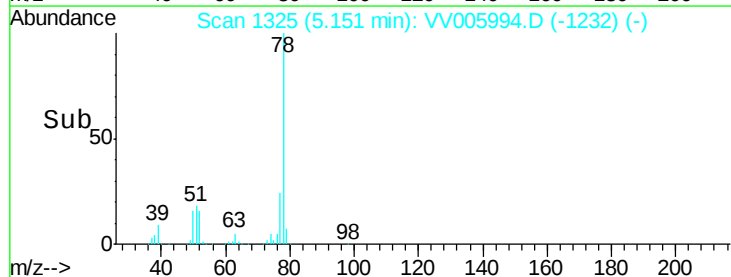
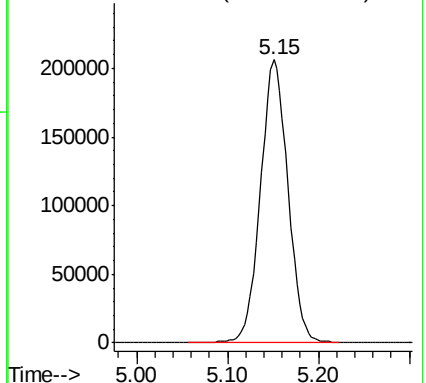
Lab File: VV005994.D

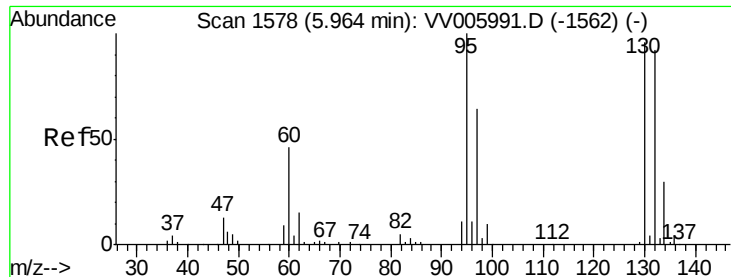
Acq: 22 May 2018 17:16

Tgt Ion: 78 Resp: 433439



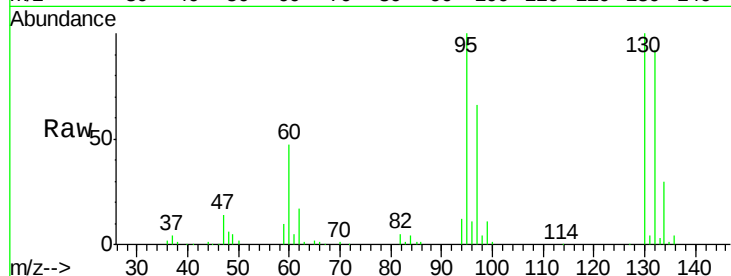
Abundance Ion 78.10 (77.80 to 78.80): VV0



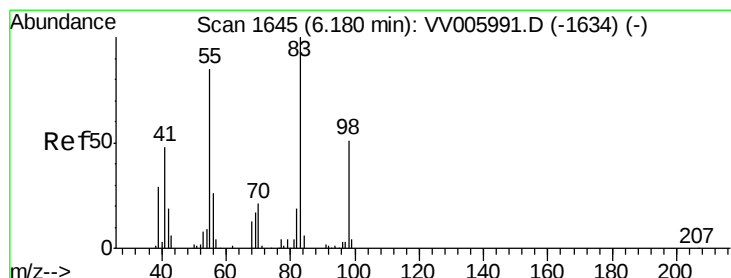
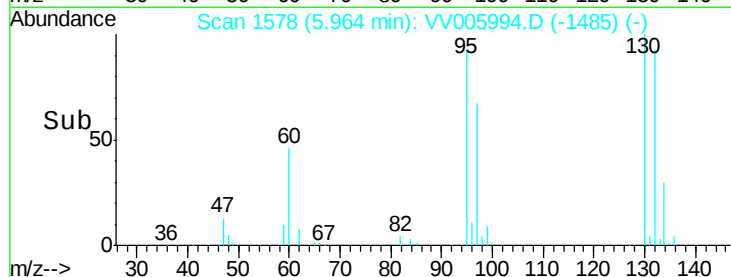
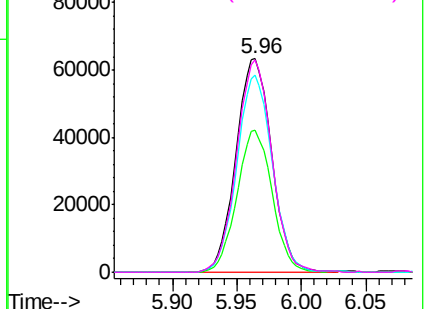


#34
 Trichloroethene
 Concen: 4.98 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VV005994.D
 Acq: 22 May 2018 17:16

Tgt Ion:	95	Resp:	122378
Ion	Ratio	Lower	Upper
95	100		
97	66.5	46.0	85.4
132	92.4	65.0	120.8
130	99.5	67.0	124.4

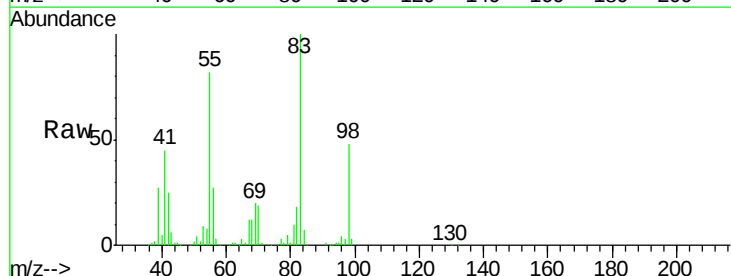


Abundance Ion 95.00 (94.70 to 95.70): VV005994.D (-1562) (-)
 Ion 96.95 (96.65 to 97.65): VV005994.D (-1562) (-)
 Ion 131.95 (131.65 to 132.65): VV005994.D (-1562) (-)
 Ion 129.95 (129.65 to 130.65): VV005994.D (-1562) (-)

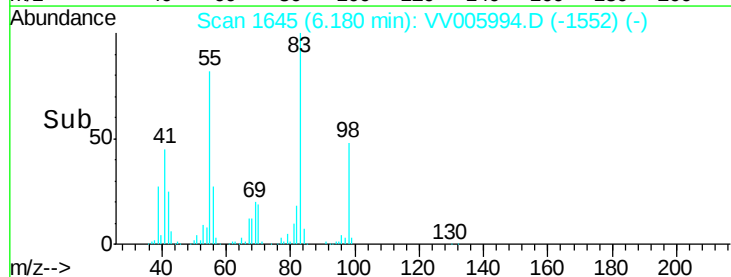
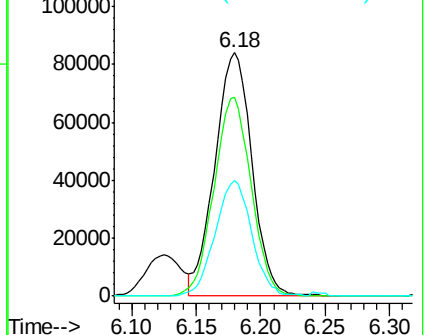


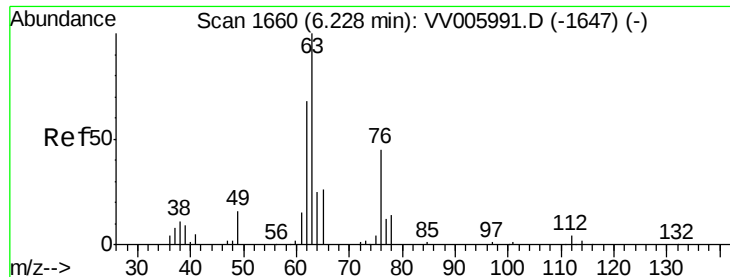
#35
 Methylcyclohexane
 Concen: 4.89 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: VV005994.D
 Acq: 22 May 2018 17:16

Tgt Ion:	83	Resp:	167564
Ion	Ratio	Lower	Upper
83	100		
55	82.1	64.5	96.7
98	46.9	37.9	56.9



Abundance Ion 83.15 (82.85 to 83.85): VV005994.D (-1552) (-)
 Ion 55.10 (54.80 to 55.80): VV005994.D (-1552) (-)
 Ion 98.15 (97.85 to 98.85): VV005994.D (-1552) (-)





#37

1,2-Dichloropropane

Concen: 5.05 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VV005994.D

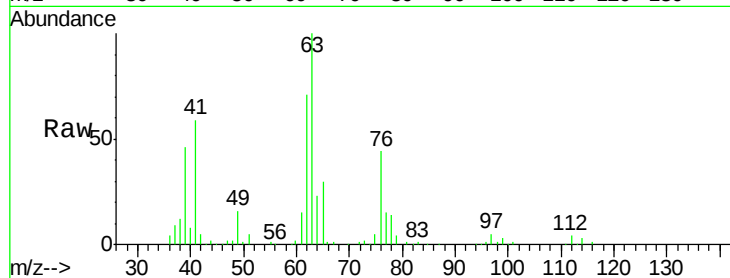
Acq: 22 May 2018 17:16

Tgt Ion: 63 Resp: 113175

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.6



Abundance Ion 63.10 (62.80 to 63.80): VV005994.D (-1647) (-)

Ion 112.10 (111.80 to 112.80): VV005994.D (-1647) (-)

6.23

60000

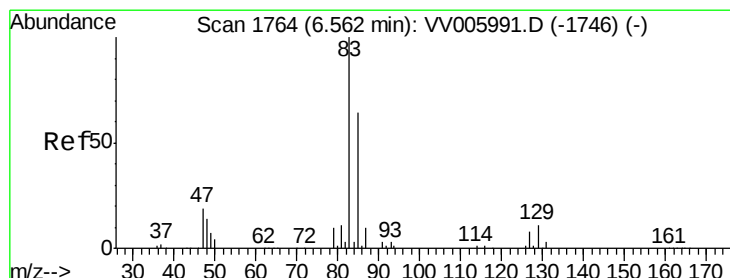
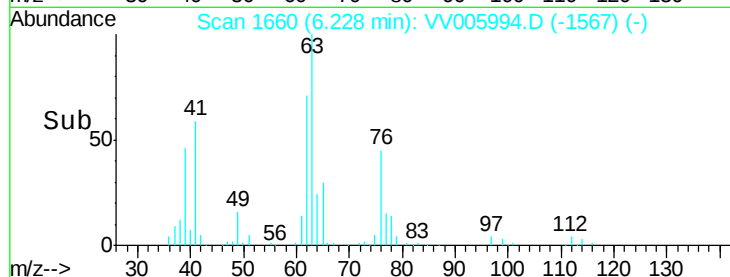
40000

20000

0

6.15 6.20 6.25 6.30 6.35

Time-->



#38

Bromodichloromethane

Concen: 5.17 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VV005994.D

Acq: 22 May 2018 17:16

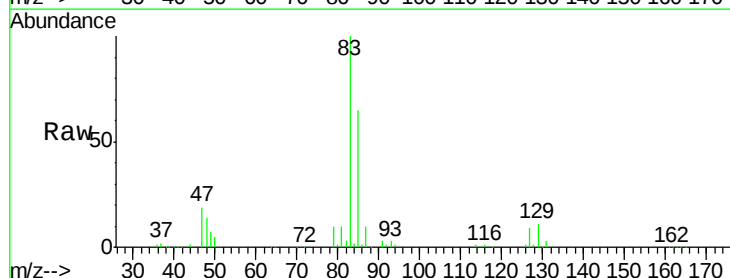
Tgt Ion: 83 Resp: 147792

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.8

127 8.5 7.0 10.4



Abundance Ion 82.95 (82.65 to 83.65): VV005994.D (-1746) (-)

Ion 85.00 (84.70 to 85.70): VV005994.D (-1746) (-)

Ion 126.90 (126.60 to 127.60): VV005994.D (-1746) (-)

6.56

100000

80000

60000

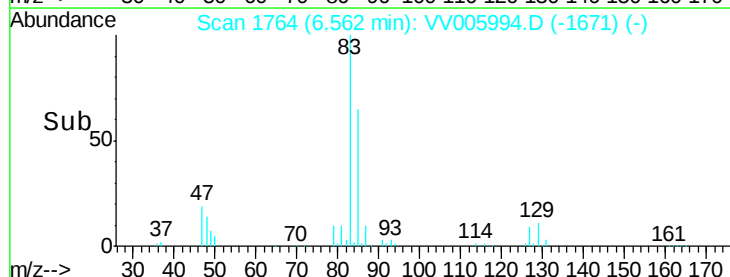
40000

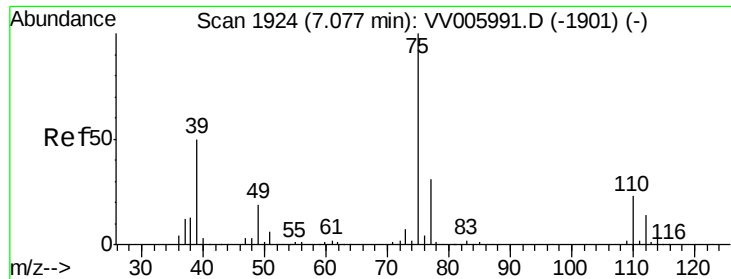
20000

0

6.45 6.50 6.55 6.60 6.65

Time-->





#39

cis-1,3-Dichloropropene

Concen: 4.97 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VV005994.D

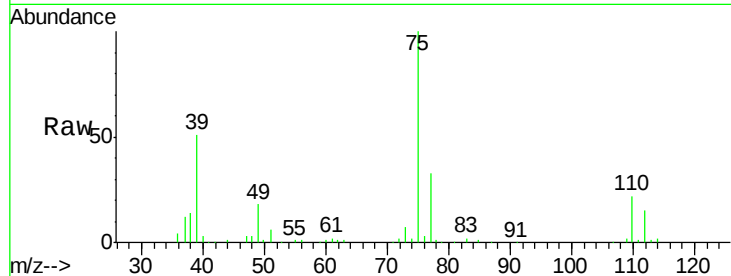
Acq: 22 May 2018 17:16

Tgt Ion: 75 Resp: 152856

Ion Ratio Lower Upper

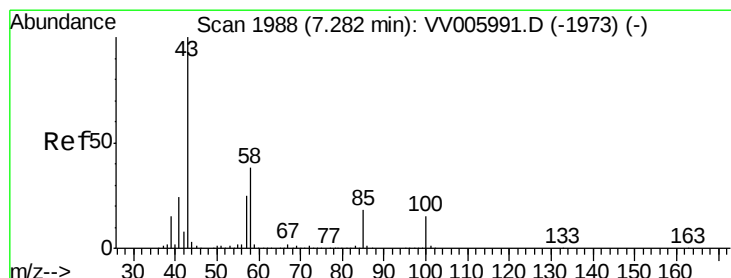
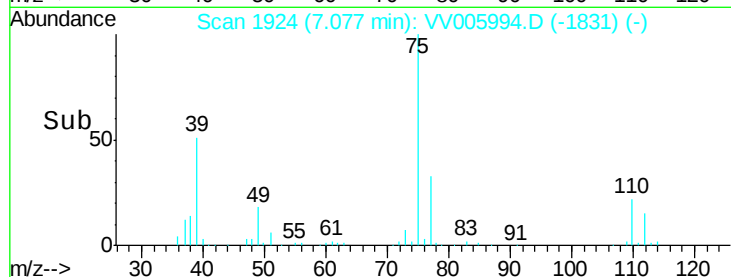
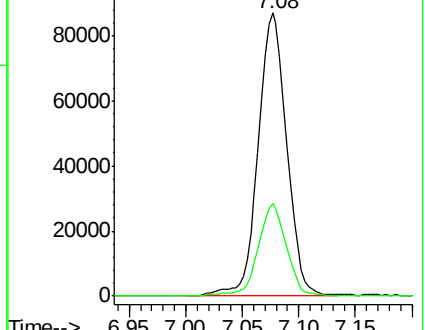
75 100

77 32.6 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 49.90 ug/L

RT: 7.28 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VV005994.D

Acq: 22 May 2018 17:16

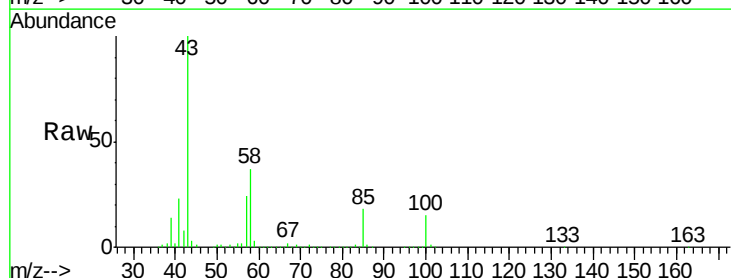
Tgt Ion: 43 Resp: 644886

Ion Ratio Lower Upper

43 100

58 37.4 29.4 44.0

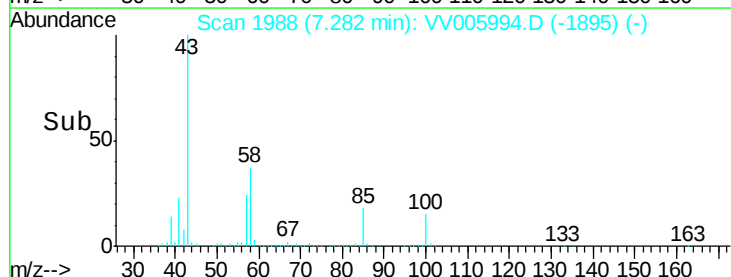
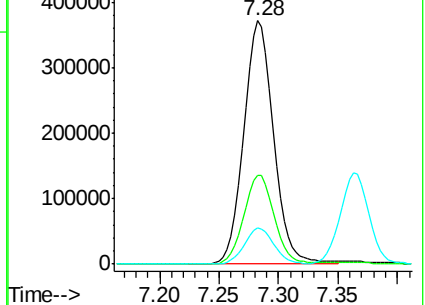
100 14.6 11.1 16.7

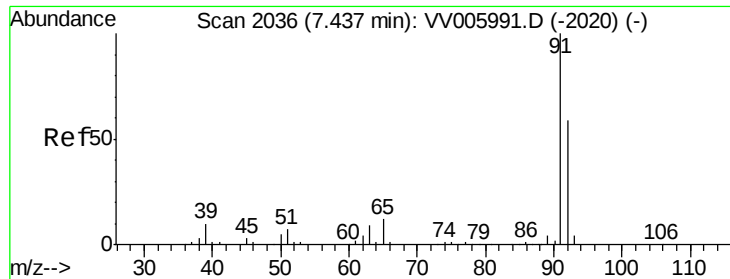


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.18 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV005994.D

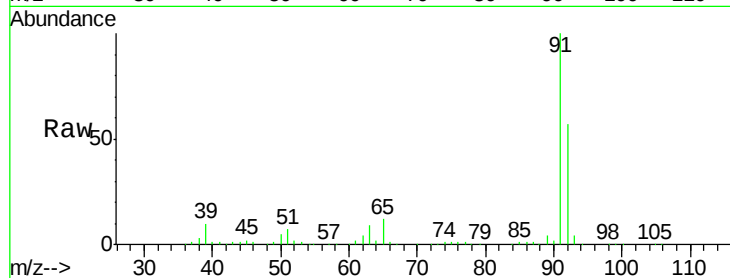
Acq: 22 May 2018 17:16

Tgt Ion: 91 Resp: 472253

Ion Ratio Lower Upper

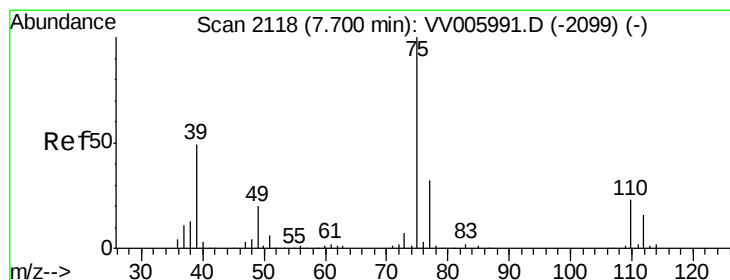
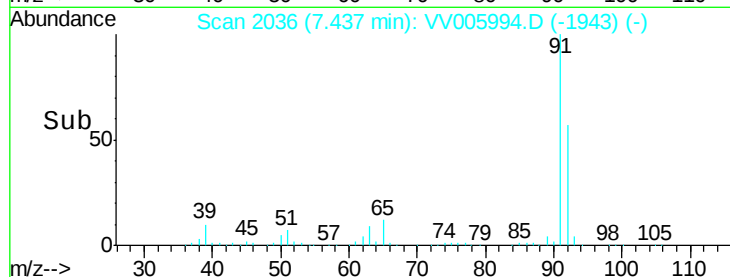
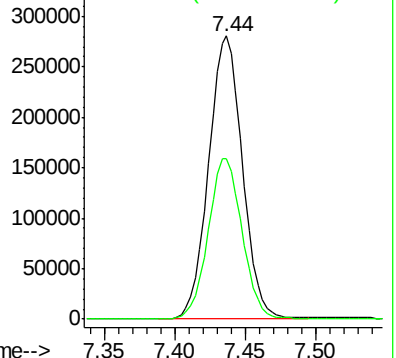
91 100

92 56.9 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.16 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV005994.D

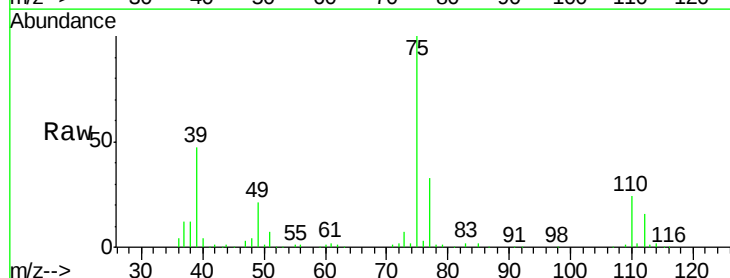
Acq: 22 May 2018 17:16

Tgt Ion: 75 Resp: 129155

Ion Ratio Lower Upper

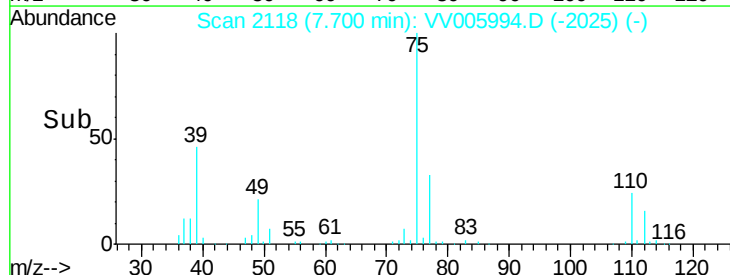
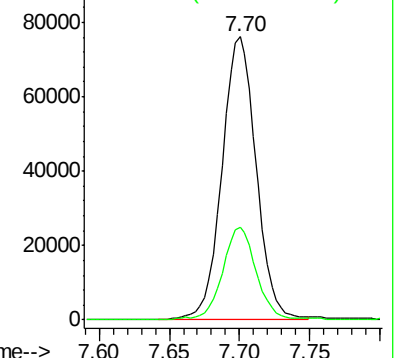
75 100

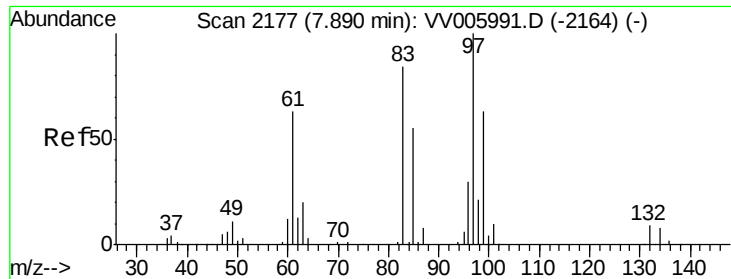
77 33.0 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

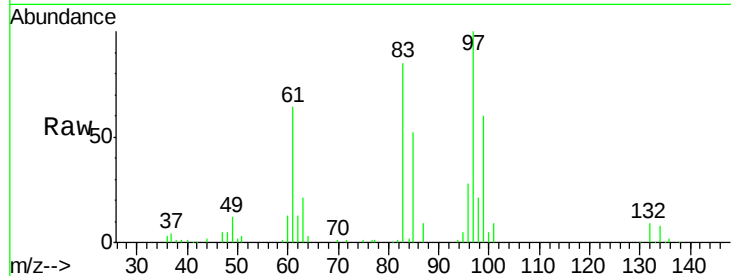
Ion 77.05 (76.75 to 77.75): VV0





#45
 1,1,2-Trichloroethane
 Concen: 5.16 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV005994.D
 Acq: 22 May 2018 17:16

Tgt Ion:	97	Resp:	79284
Ion	Ratio	Lower	Upper
97	100		
99	60.4	42.4	78.8
83	85.1	58.7	108.9
85	51.7	39.3	73.1

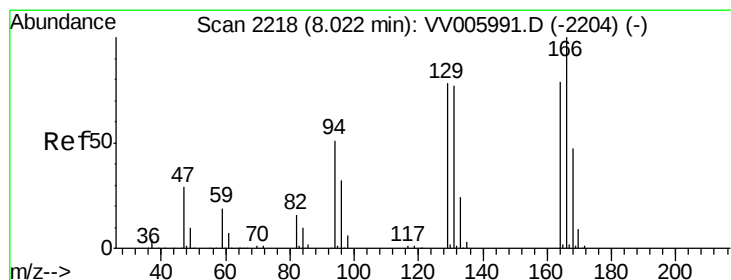
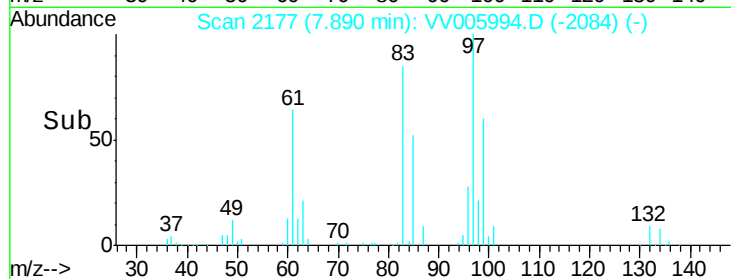
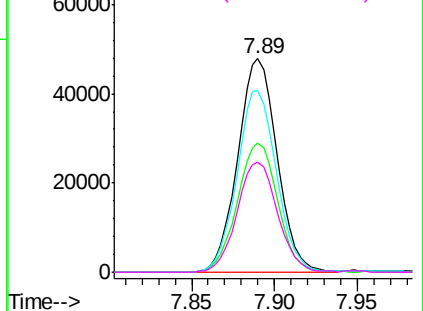


Abundance Ion 96.95 (96.65 to 97.65): VV005994.D (-2164) (-)

Ion 99.05 (98.75 to 99.75): VV005994.D (-2164) (-)

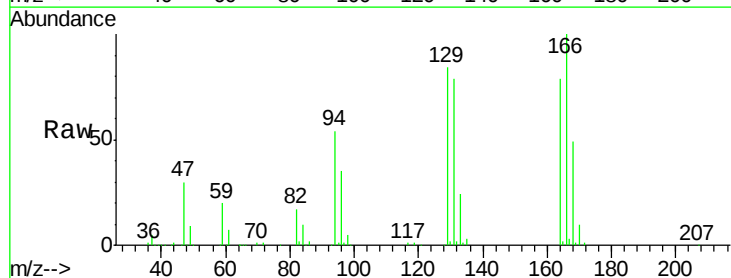
Ion 82.95 (82.65 to 83.65): VV005994.D (-2164) (-)

Ion 85.00 (84.70 to 85.70): VV005994.D (-2164) (-)



#47
 Tetrachloroethene
 Concen: 4.96 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV005994.D
 Acq: 22 May 2018 17:16

Tgt Ion:	164	Resp:	85994
Ion	Ratio	Lower	Upper
164	100		
129	106.0	70.1	130.3
131	100.0	66.3	123.1
166	126.9	85.4	158.6

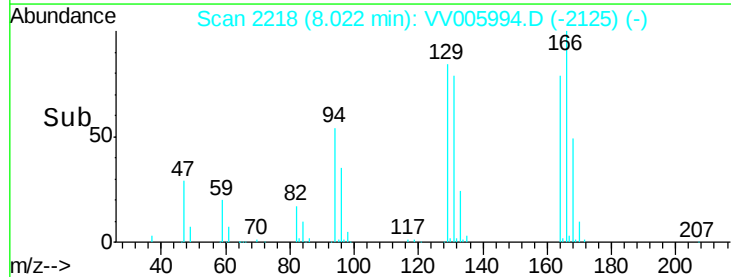
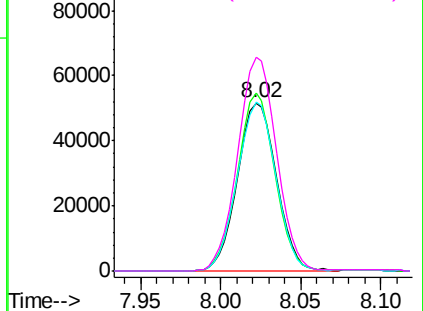


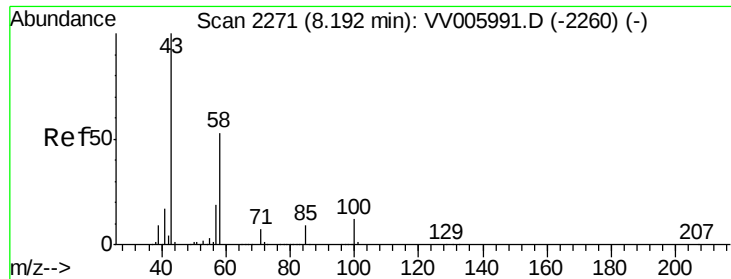
Abundance Ion 163.90 (163.60 to 164.60): VV005994.D (-2204) (-)

Ion 128.95 (128.65 to 129.65): VV005994.D (-2204) (-)

Ion 130.95 (130.65 to 131.65): VV005994.D (-2204) (-)

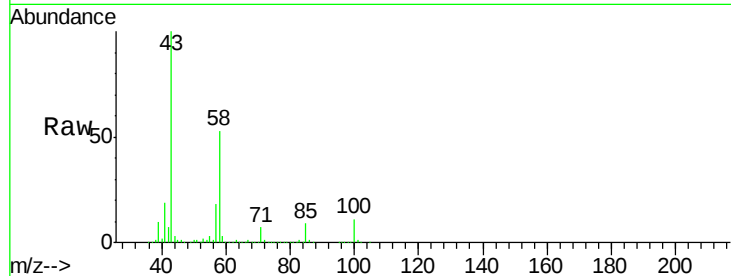
Ion 165.90 (165.60 to 166.60): VV005994.D (-2204) (-)



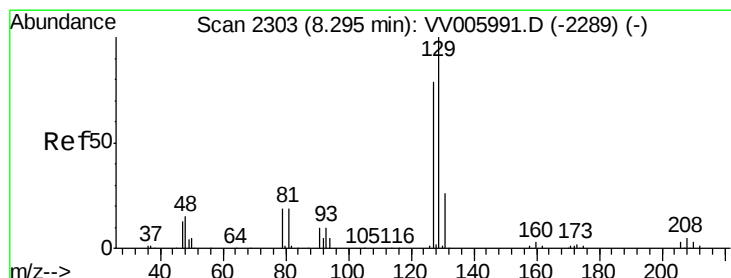
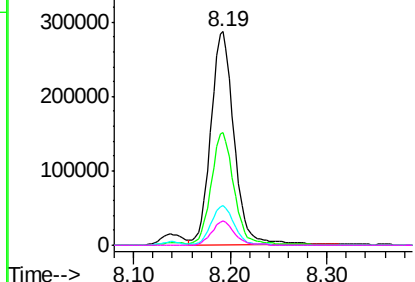
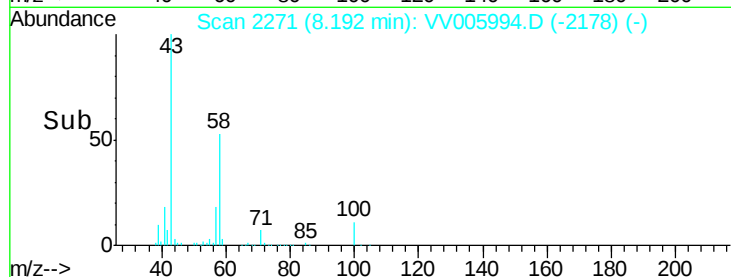


#48
2-Hexanone
Concen: 51.66 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV005994.D
Acq: 22 May 2018 17:16

Tgt Ion:	43	Resp:	476038
Ion	Ratio	Lower	Upper
43	100		
58	52.1	41.5	62.3
57	18.3	15.4	23.0
100	11.1	8.9	13.3

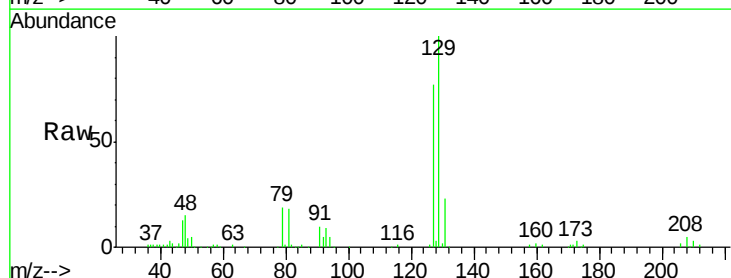


Abundance Ion 43.05 (42.75 to 43.75): VV005994.D (-2178) (-)
Ion 58.05 (57.75 to 58.75): VV005994.D (-2178) (-)
Ion 57.20 (56.90 to 57.90): VV005994.D (-2178) (-)
Ion 100.15 (99.85 to 100.85): VV005994.D (-2178) (-)

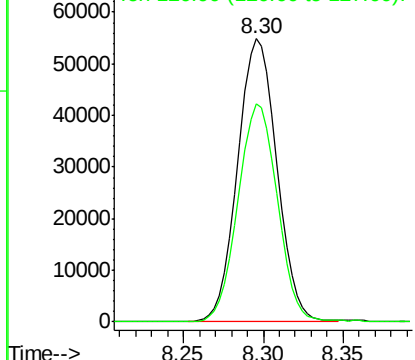
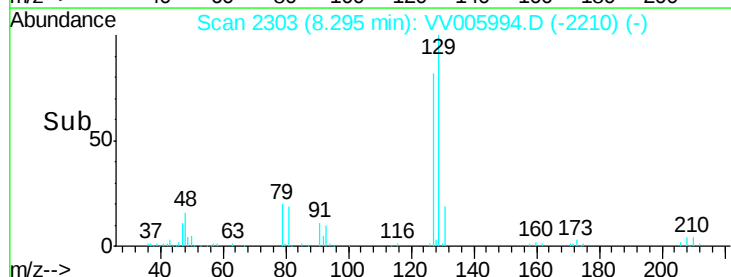


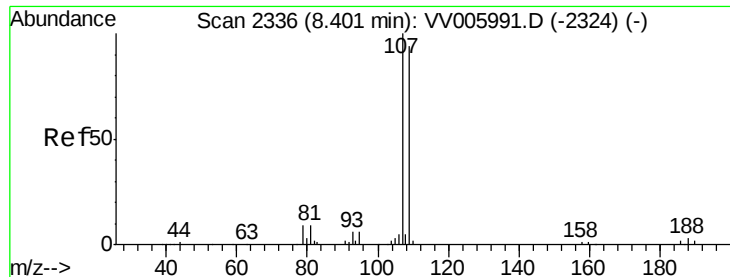
#49
Dibromochloromethane
Concen: 5.14 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV005994.D
Acq: 22 May 2018 17:16

Tgt Ion:	129	Resp:	91910
Ion	Ratio	Lower	Upper
129	100		
127	77.1	56.1	104.3



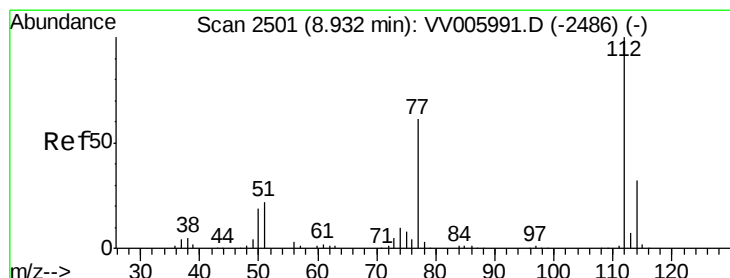
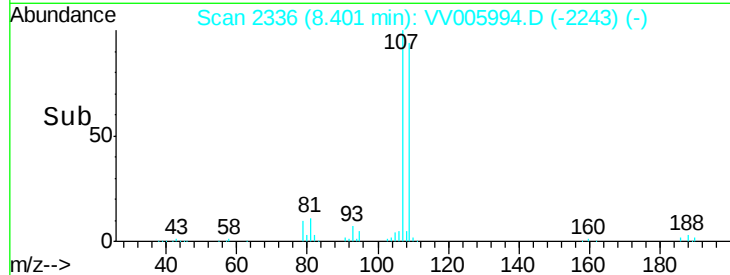
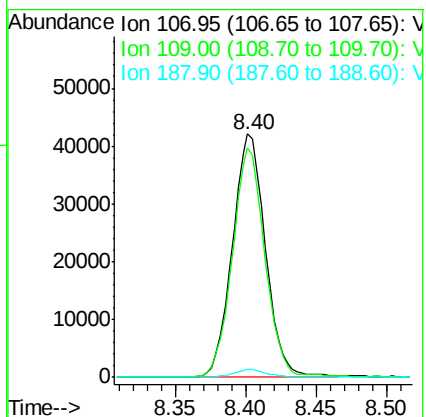
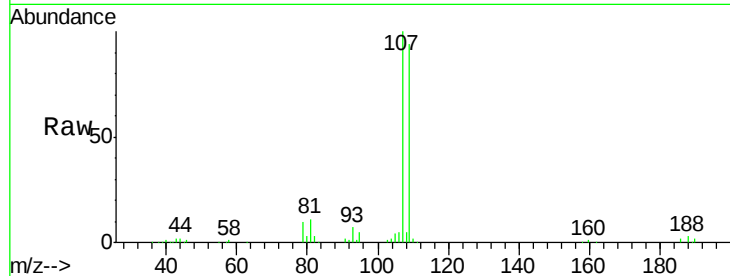
Abundance Ion 128.95 (128.65 to 129.65): VV005994.D (-2210) (-)
Ion 126.90 (126.60 to 127.60): VV005994.D (-2210) (-)





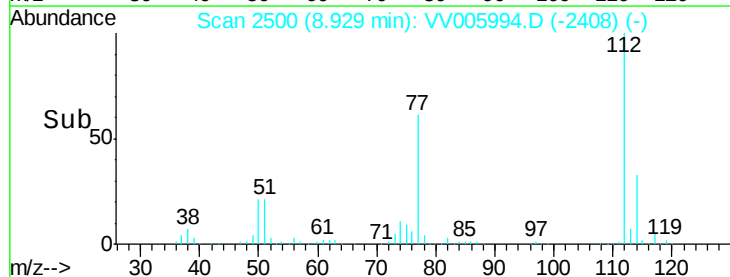
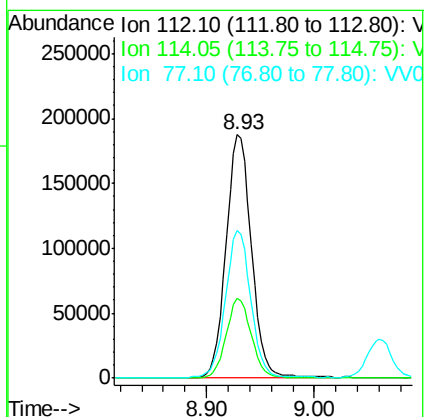
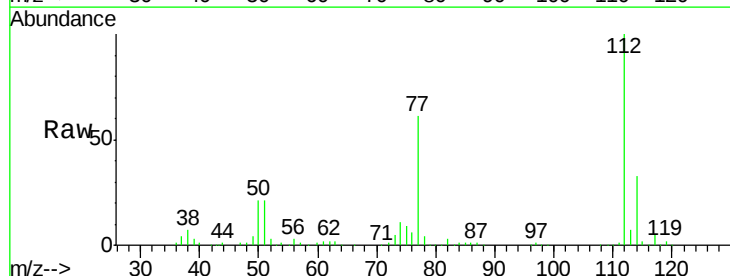
#50
1,2-Dibromoethane
Concen: 4.96 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV005994.D
Acq: 22 May 2018 17:16

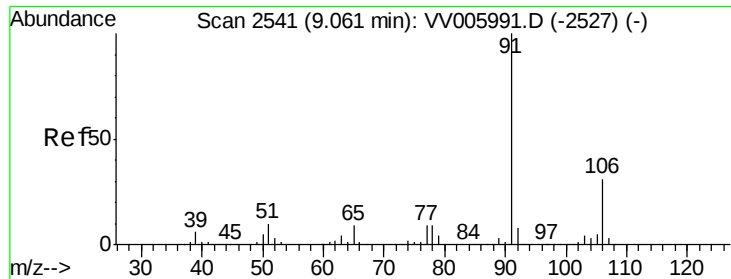
Tgt Ion:107 Resp: 69210
Ion Ratio Lower Upper
107 100
109 94.1 64.1 119.1
188 3.4 2.6 3.8



#51
Chlorobenzene
Concen: 5.02 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV005994.D
Acq: 22 May 2018 17:16

Tgt Ion:112 Resp: 307899
Ion Ratio Lower Upper
112 100
114 32.8 22.1 41.1
77 60.8 48.6 73.0





#52

Ethylbenzene

Concen: 5.03 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV005994.D

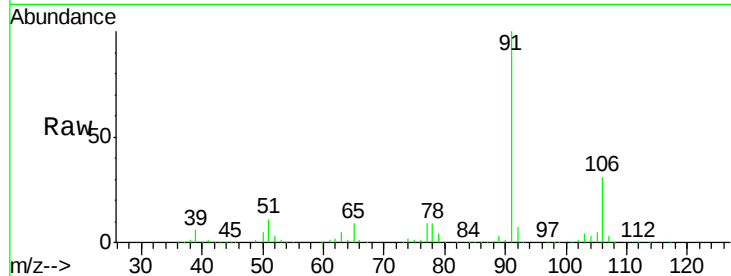
Acq: 22 May 2018 17:16

Tgt Ion: 91 Resp: 514227

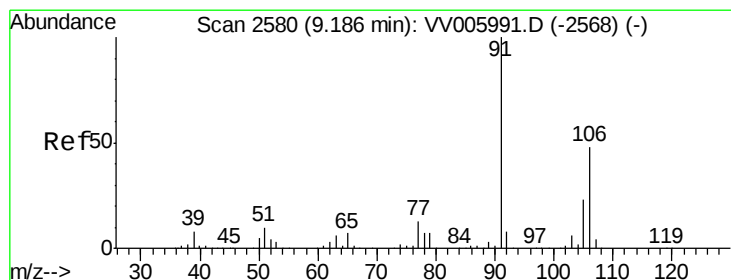
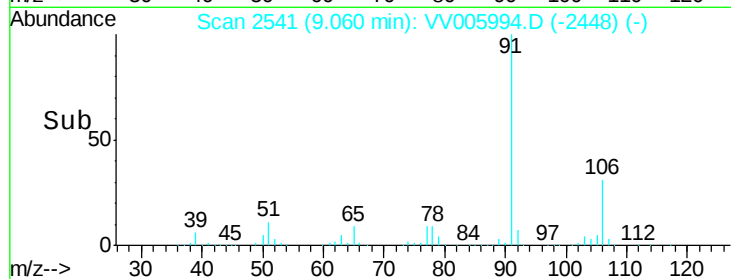
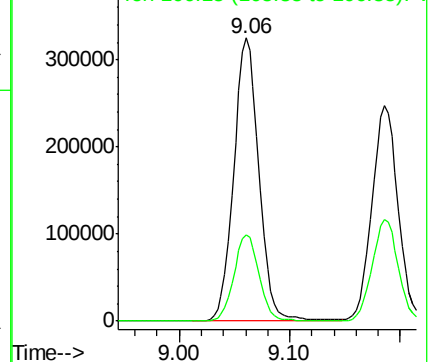
Ion Ratio Lower Upper

91 100

106 30.5 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV005994.D (-2527) (-)



#53

m,p-xylene

Concen: 5.22 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV005994.D

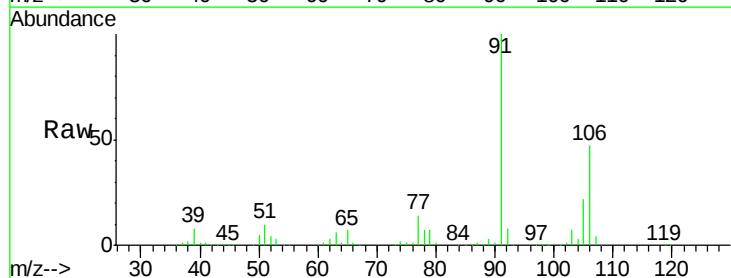
Acq: 22 May 2018 17:16

Tgt Ion: 106 Resp: 195034

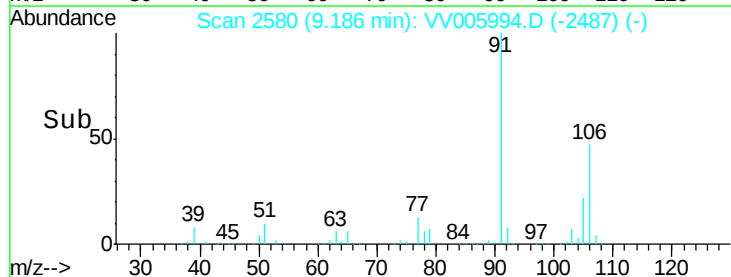
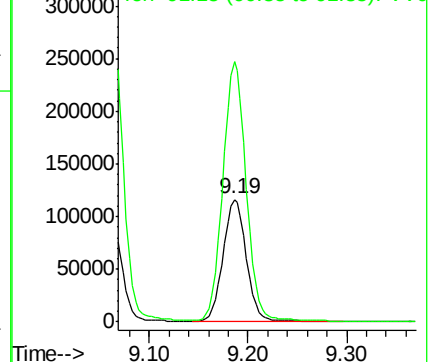
Ion Ratio Lower Upper

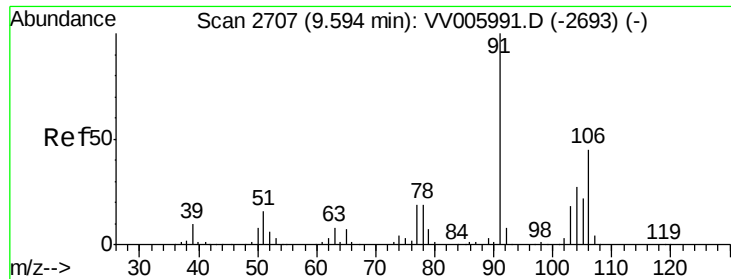
106 100

91 211.9 150.6 279.8



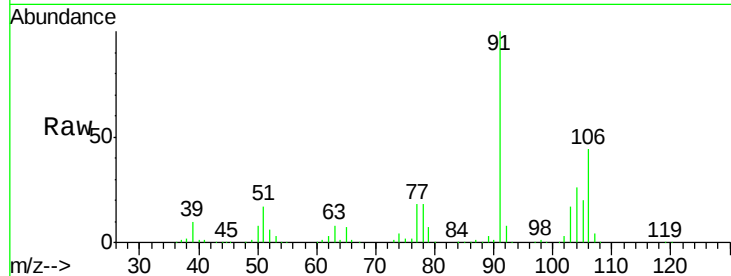
Abundance Ion 106.15 (105.85 to 106.85): VV005994.D (-2580) (-)



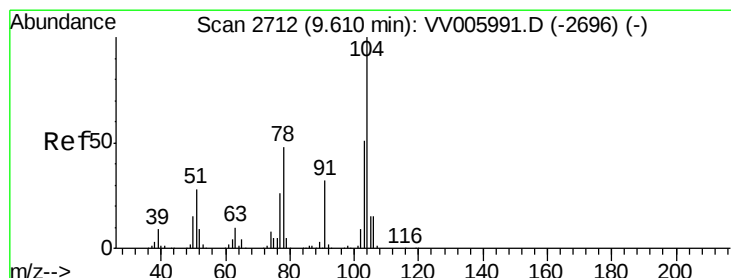
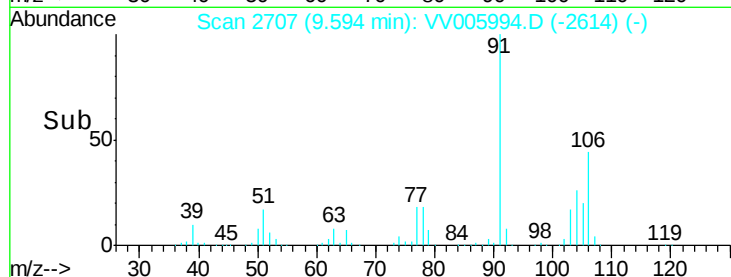
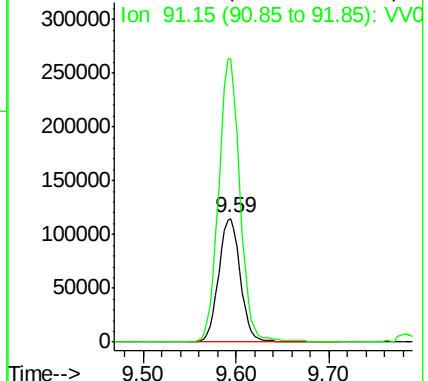


#54
o-xylene
Concen: 5.13 ug/L
RT: 9.59 min Scan# 2707
Delta R.T. -0.00 min
Lab File: VV005994.D
Acq: 22 May 2018 17:16

Tgt Ion:106 Resp: 187576
Ion Ratio Lower Upper
106 100
91 229.3 153.8 285.6

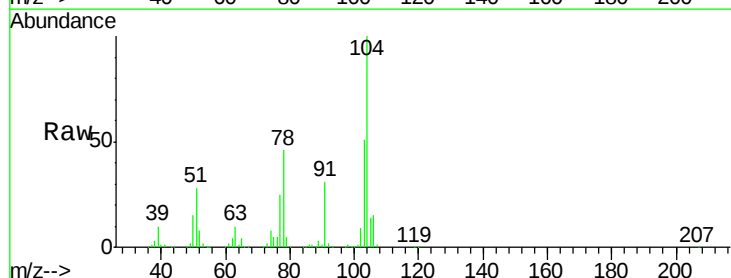


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

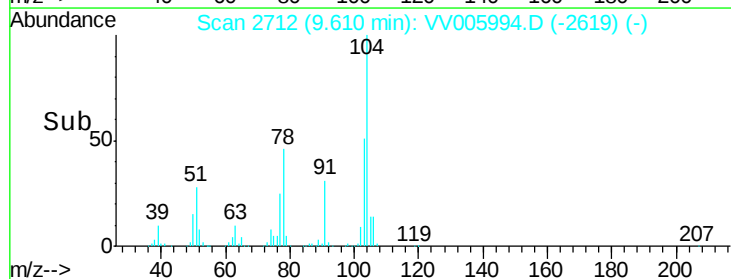
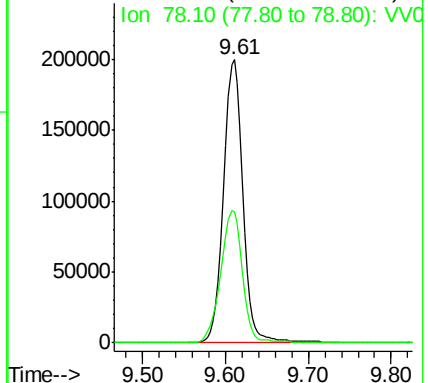


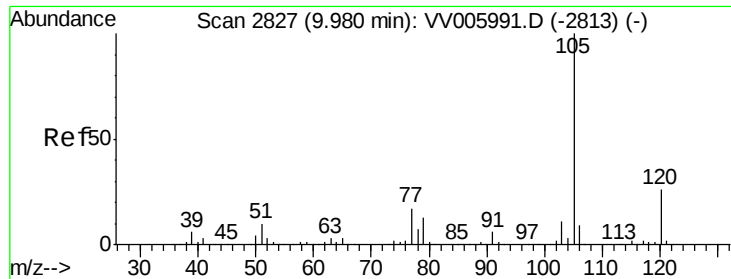
#55
Styrene
Concen: 5.31 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. -0.00 min
Lab File: VV005994.D
Acq: 22 May 2018 17:16

Tgt Ion:104 Resp: 323078
Ion Ratio Lower Upper
104 100
78 46.4 34.4 63.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.15 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV005994.D

Acq: 22 May 2018 17:16

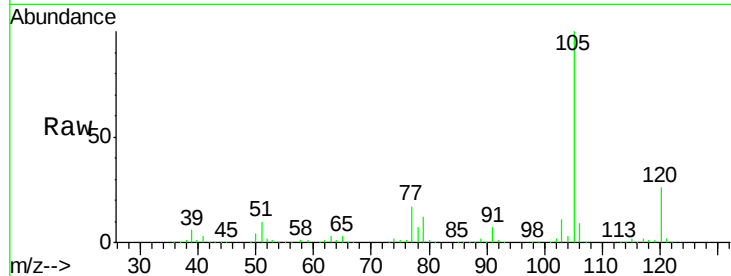
Tgt Ion: 105 Resp: 517126

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

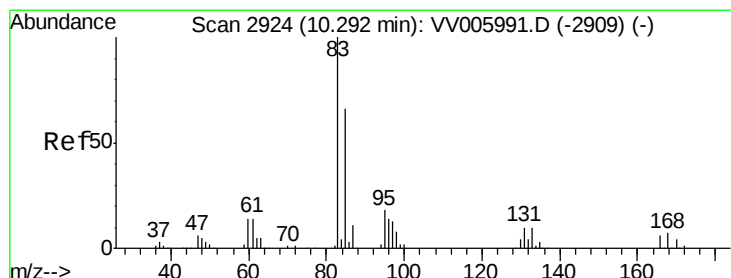
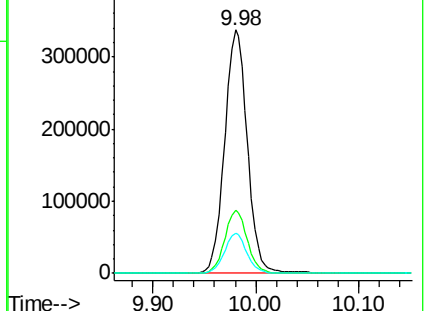
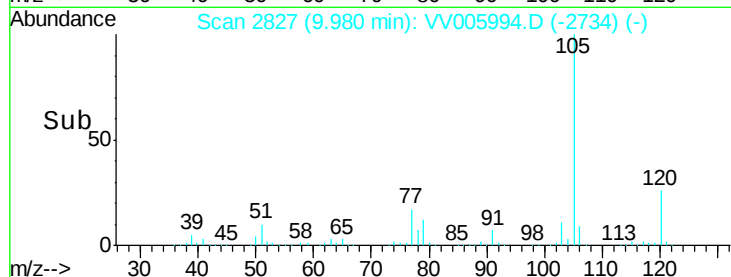
77 16.4 13.1 19.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.73 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV005994.D

Acq: 22 May 2018 17:16

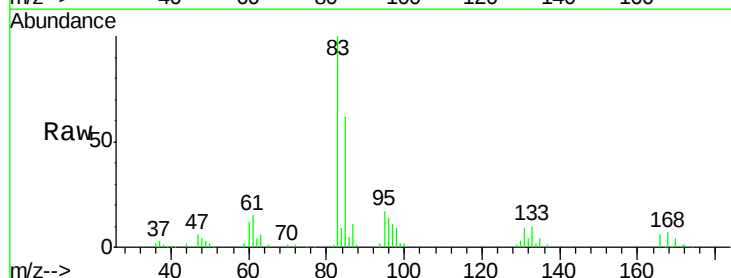
Tgt Ion: 83 Resp: 81876

Ion Ratio Lower Upper

83 100

85 61.7 44.1 81.9

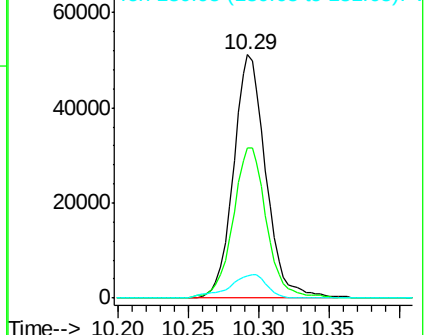
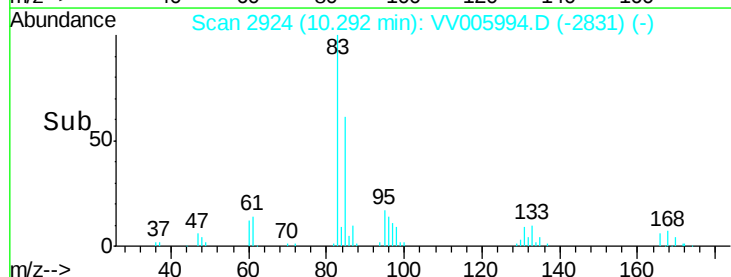
131 9.2 8.0 12.0

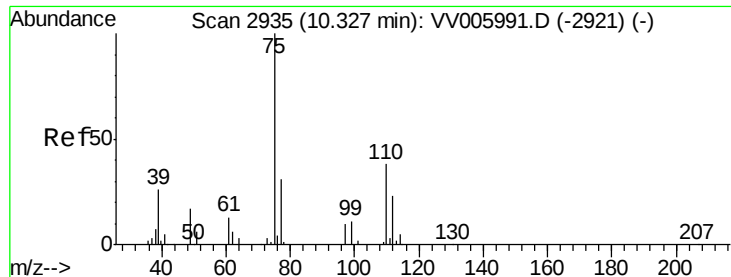


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

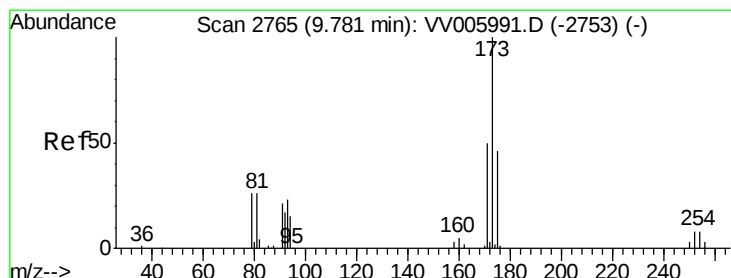
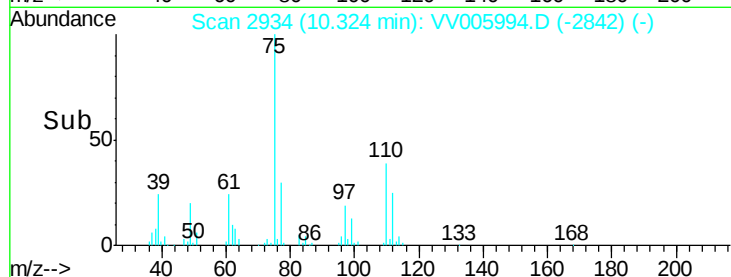
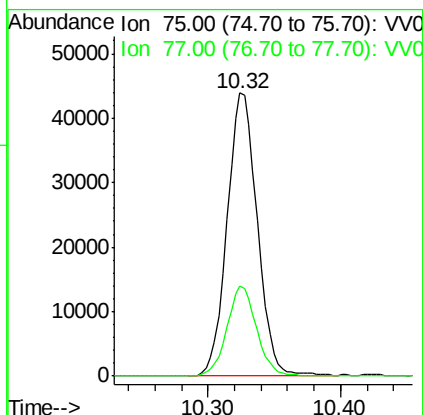
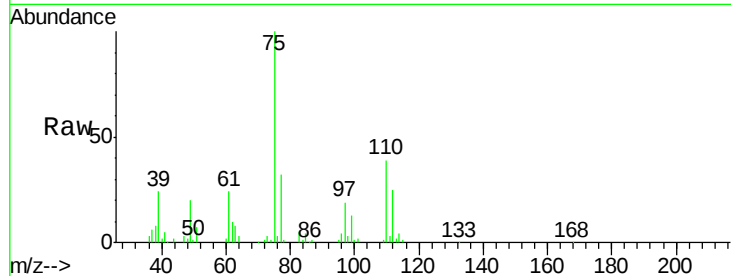
Ion 130.95 (130.65 to 131.65): V





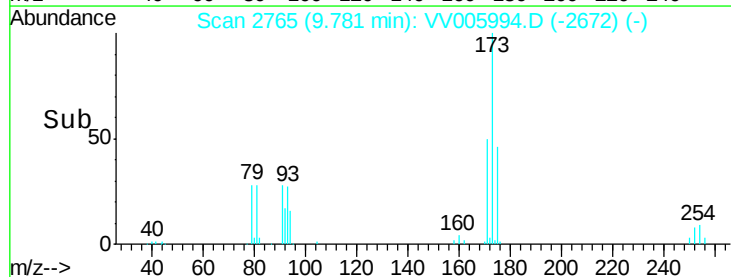
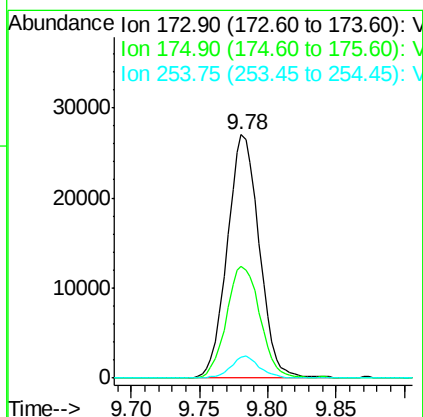
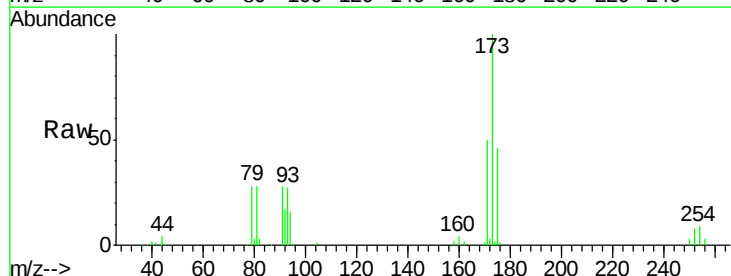
#59
1,2,3-Trichloropropane
Concen: 5.09 ug/L
RT: 10.32 min Scan# 2934
Delta R.T. -0.00 min
Lab File: VV005994.D
Acq: 22 May 2018 17:16

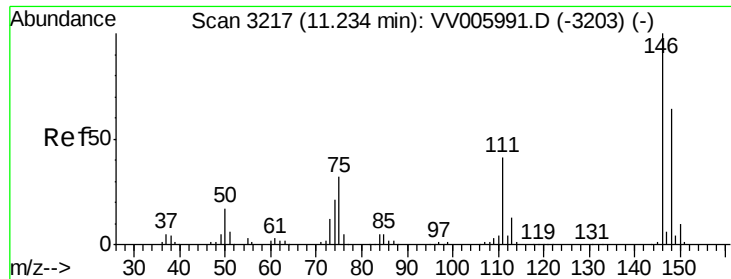
Tgt Ion: 75 Resp: 69356
Ion Ratio Lower Upper
75 100
77 31.3 25.5 38.3



#61
Bromoform
Concen: 5.04 ug/L
RT: 9.78 min Scan# 2765
Delta R.T. -0.00 min
Lab File: VV005994.D
Acq: 22 May 2018 17:16

Tgt Ion: 173 Resp: 44023
Ion Ratio Lower Upper
173 100
175 48.0 36.8 55.2
254 8.1 6.3 9.5





#62

1,3-Dichlorobenzene

Concen: 5.01 ug/L

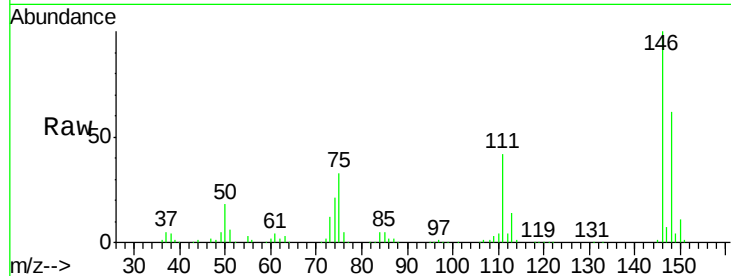
RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

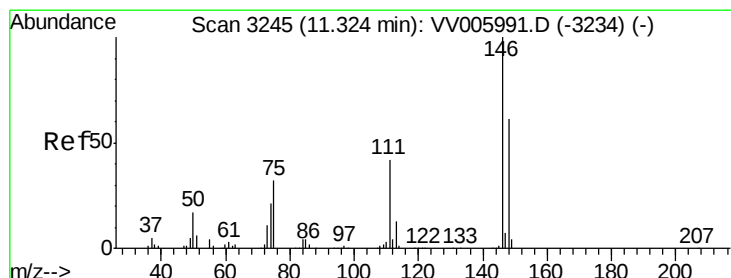
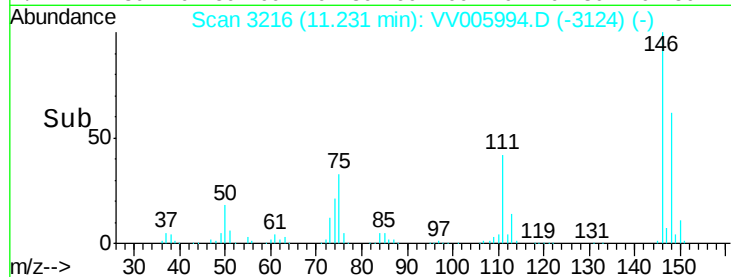
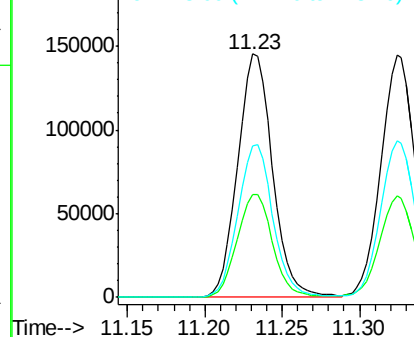
Lab File: VV005994.D

Acq: 22 May 2018 17:16

Tgt Ion:	146	Resp:	227927
Ion	Ratio	Lower	Upper
146	100		
111	42.5	29.9	55.5
148	62.1	44.9	83.3



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.92 ug/L

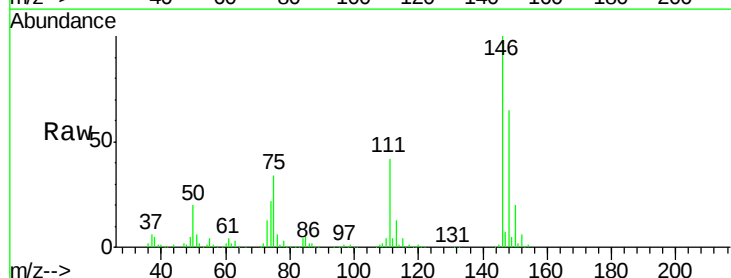
RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

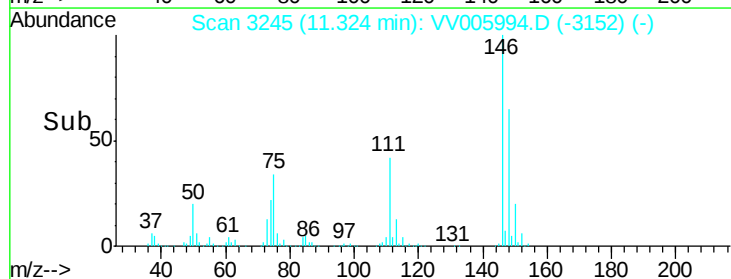
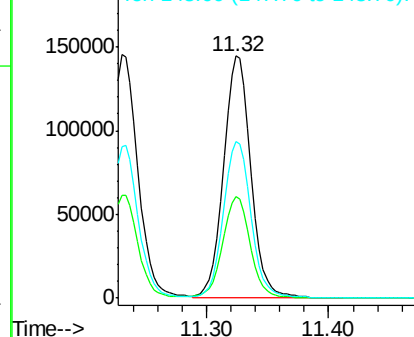
Lab File: VV005994.D

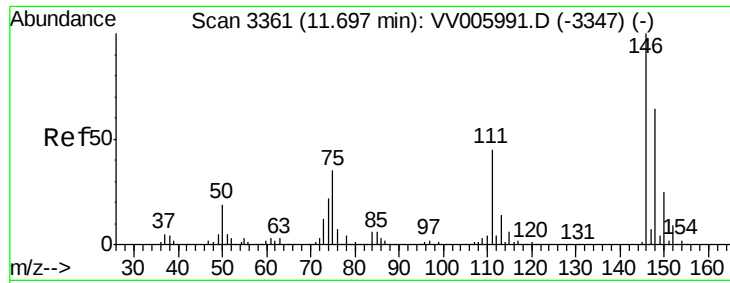
Acq: 22 May 2018 17:16

Tgt Ion:	146	Resp:	228804
Ion	Ratio	Lower	Upper
146	100		
111	42.0	28.3	52.5
148	64.8	44.9	83.5



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.08 ug/L

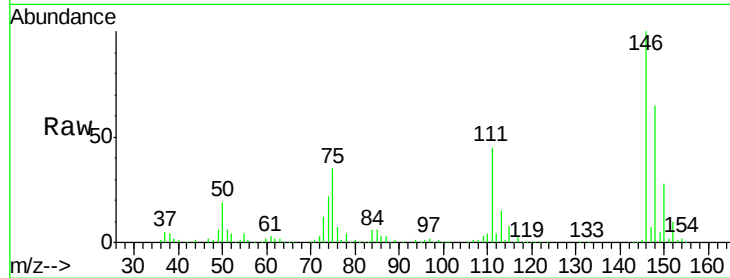
RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV005994.D

Acq: 22 May 2018 17:16

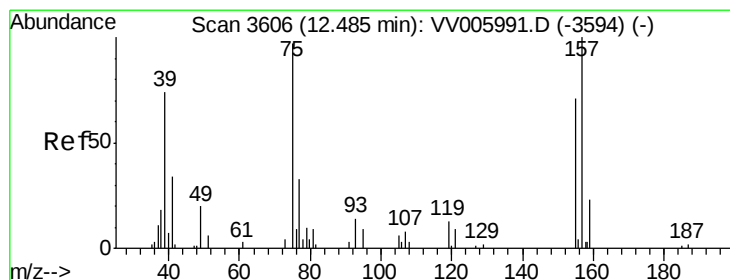
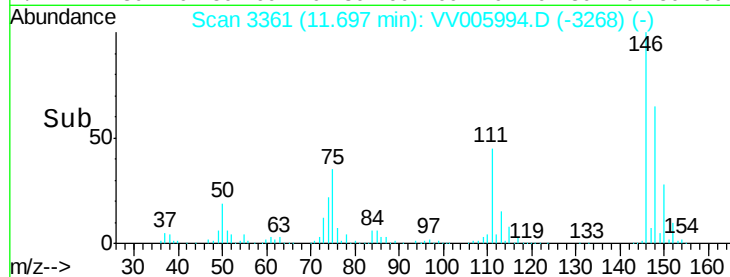
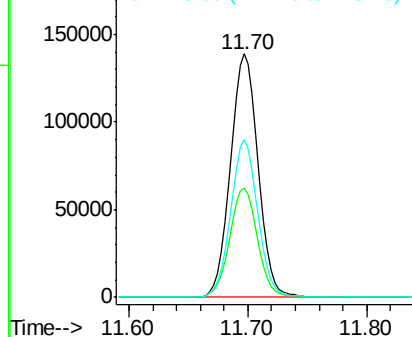
Tgt Ion:	146	Resp:	223510
Ion	Ratio	Lower	Upper
146	100		
111	45.0	36.3	54.5
148	65.1	52.6	79.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.84 ug/L

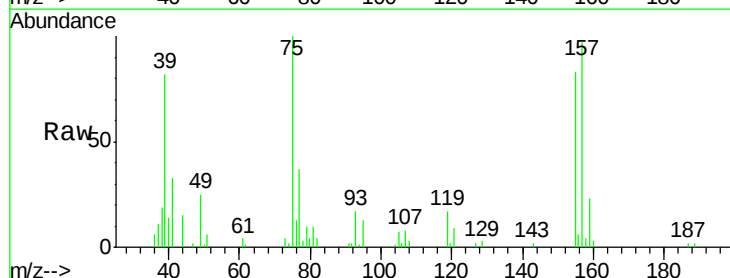
RT: 12.48 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VV005994.D

Acq: 22 May 2018 17:16

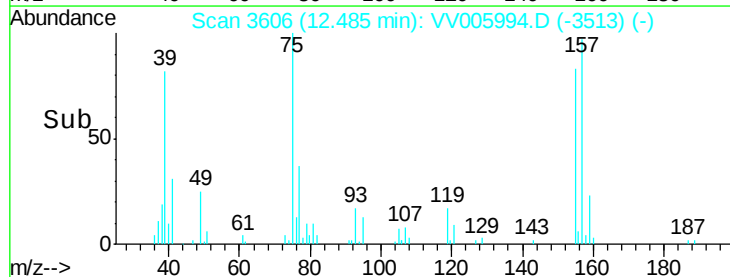
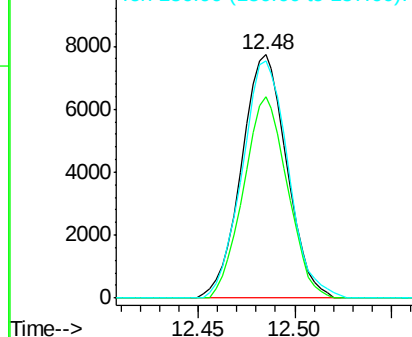
Tgt Ion:	75	Resp:	12606
Ion	Ratio	Lower	Upper
75	100		
155	82.7	58.9	88.3
157	97.2	79.0	118.6

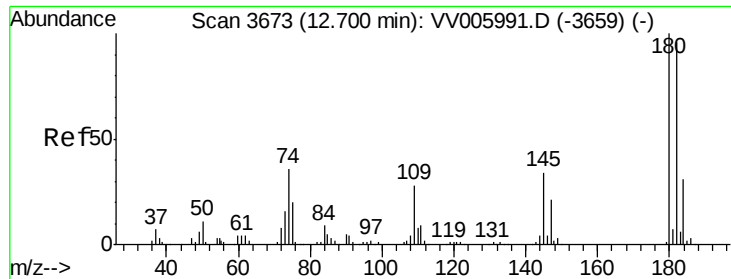


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

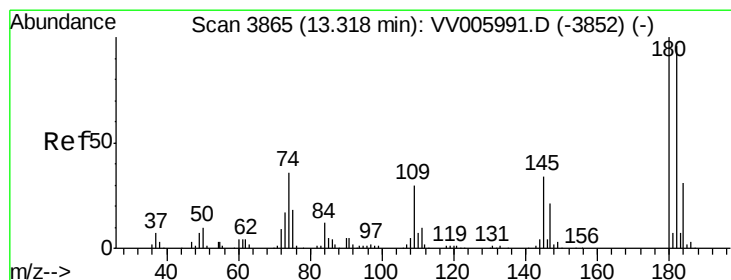
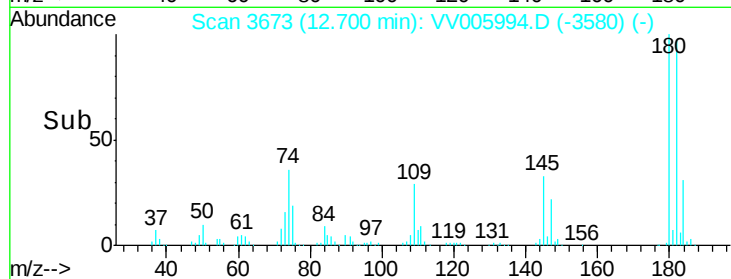
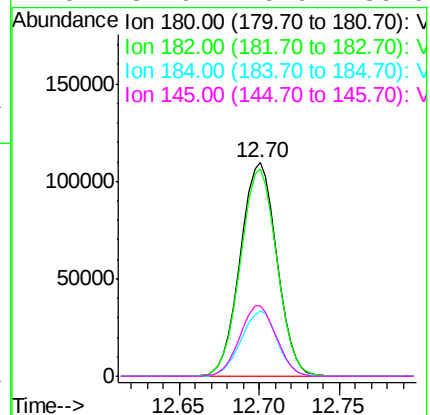
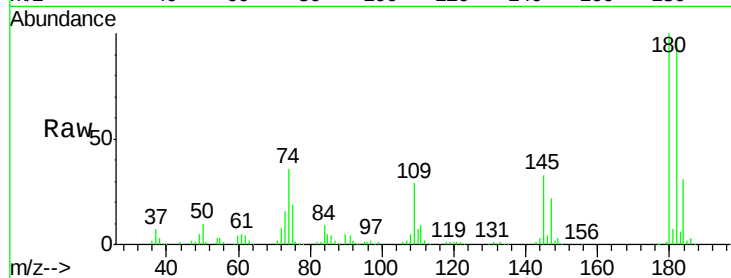
Ion 156.90 (156.60 to 157.60): V





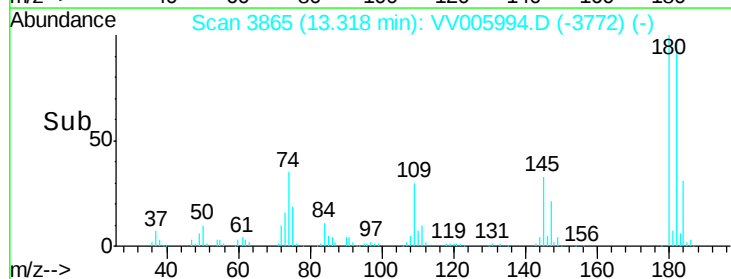
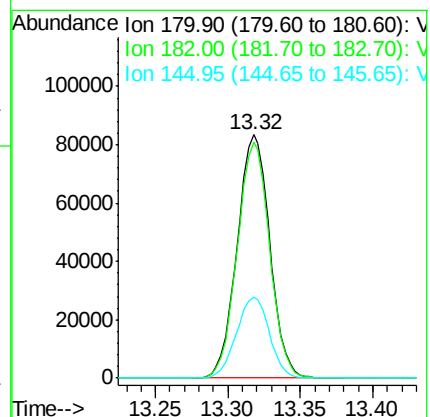
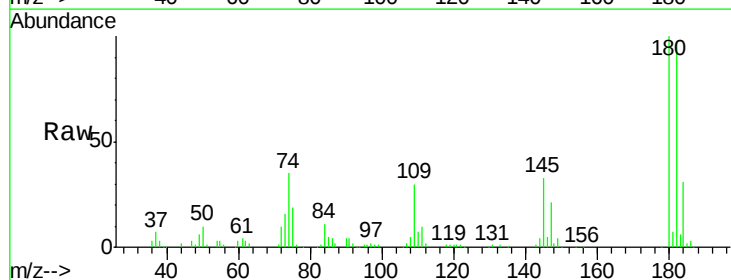
#67
 1,3,5-Trichlorobenzene
 Concen: 5.04 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV005994.D
 Acq: 22 May 2018 17:16

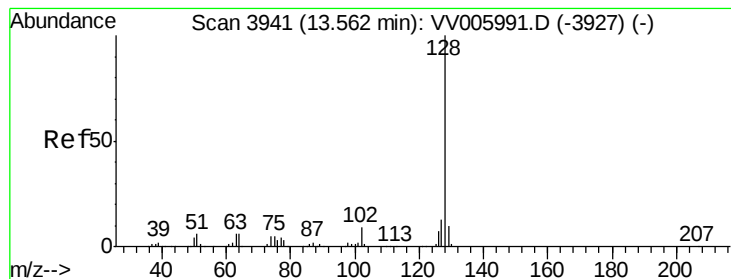
Tgt Ion:	180	Resp:	170596
Ion	Ratio	Lower	Upper
180	100		
182	96.6	74.6	112.0
184	30.3	24.2	36.4
145	32.9	25.9	38.9



#68
 1,2,4-trichlorobenzene
 Concen: 5.06 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV005994.D
 Acq: 22 May 2018 17:16

Tgt Ion:	180	Resp:	130003
Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.7	113.5
145	33.6	27.0	40.6





#69

Naphthalene

Concen: 5.10 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV005994.D

Acq: 22 May 2018 17:16

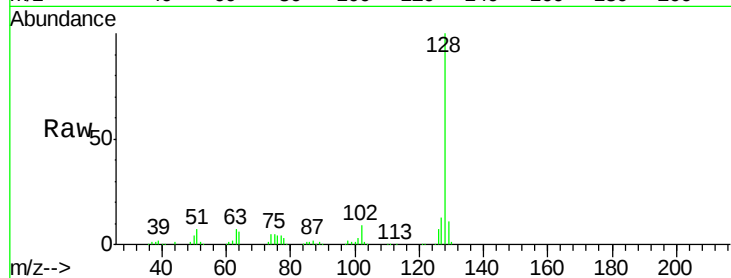
Tgt Ion:128 Resp: 204526

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

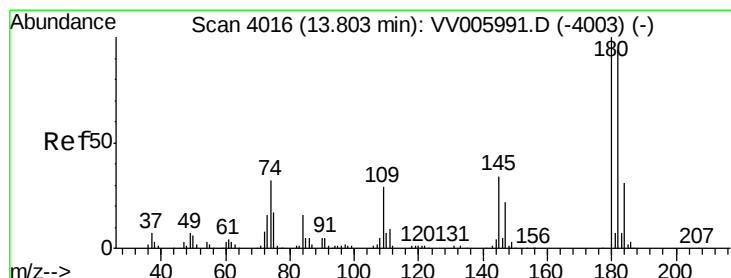
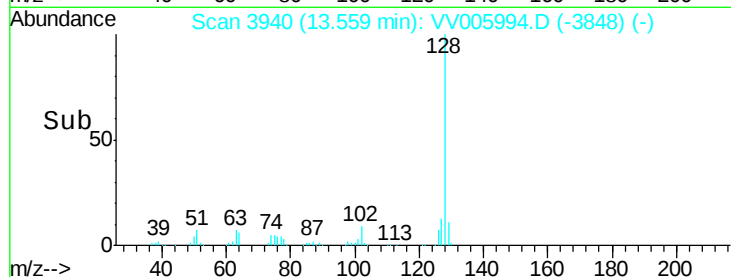
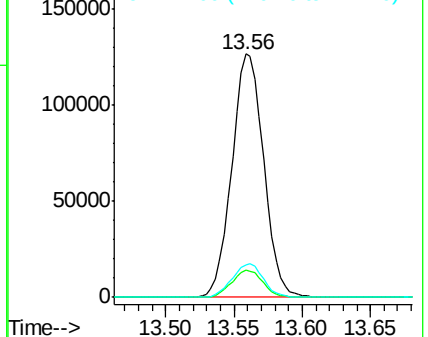
127 13.5 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.22 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV005994.D

Acq: 22 May 2018 17:16

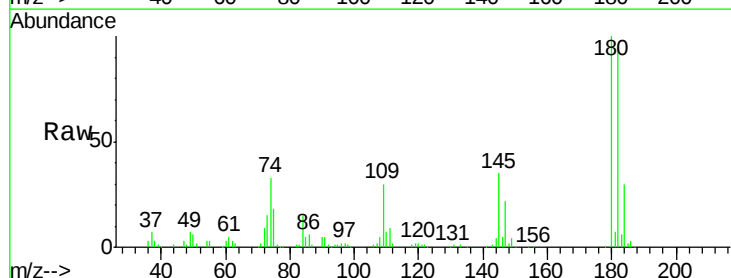
Tgt Ion:180 Resp: 127549

Ion Ratio Lower Upper

180 100

182 94.3 75.0 112.4

145 35.5 27.3 40.9



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

