

Data Path : W:\HPCHEM1\MSVOA_V\DATA\VV052218\
 Data File : VV005991.D
 Acq On : 22 May 2018 11:40
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 01:09:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR051818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 22 02:47:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	349136	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	331065	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	150735	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	104214	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.58	69	85009	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.13	63	202151	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.00%
20) 2-Butanone-d5	3.95	46	245214	48.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.04%
24) Chloroform-d	4.41	84	206652	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.09	65	109073	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.10	84	391597	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.12	67	118693	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.36	98	361416	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	7.67	79	45800	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.14	63	194527	47.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.00%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	83727	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	125794	4.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	105694	4.21	ug/L	100
3) Chloromethane	1.26	50	110961	5.00	ug/L	100
5) Vinyl chloride	1.33	62	118456	4.97	ug/L	97
6) Bromomethane	1.52	94	35367	4.47	ug/L	99
8) Chloroethane	1.59	64	74631	4.63	ug/L	96
9) Trichlorofluoromethane	1.77	101	183134	4.99	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	109189	5.16	ug/L	99
12) 1,1-Dichloroethene	2.14	96	92686	4.97	ug/L	90
13) Acetone	2.20	43	170206	51.19	ug/L	100
14) Carbon disulfide	2.32	76	234624	4.74	ug/L	99
15) Methyl Acetate	2.47	43	45264	5.07	ug/L	100
16) Methylene chloride	2.54	84	107146	4.75	ug/L	99
17) Methyl tert-butyl Ether	2.82	73	241863	4.72	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	99036	4.82	ug/L	97
19) 1,1-Dichloroethane	3.23	63	210726	5.21	ug/L	98
21) 2-Butanone	4.04	43	277245	50.27	ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	121379	4.99	ug/L	100

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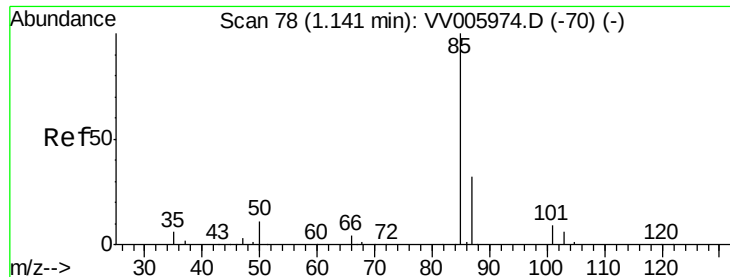
Quant Time: May 23 01:09:56 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.31	128	50388	5.17	ug/L	97
25) Chloroform	4.43	83	235509	4.99	ug/L	100
27) 1,2-Dichloroethane	5.19	62	136486	4.92	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	196899	4.92	ug/L	99
30) Cyclohexane	4.73	56	166032	4.80	ug/L	99
31) Carbon tetrachloride	4.88	117	174424	5.06	ug/L	99
33) Benzene	5.15	78	446043	4.90	ug/L	100
34) Trichloroethene	5.96	95	125650	4.86	ug/L	99
35) Methylcyclohexane	6.18	83	173727	4.82	ug/L	98
37) 1,2-Dichloropropane	6.23	63	113214	4.80	ug/L	98
38) Bromodichloromethane	6.56	83	149882	4.98	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	160484	4.96	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	691012	50.79	ug/L	100
42) Toluene	7.44	91	474941	4.94	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	131892	5.01	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	82041	5.07	ug/L	99
47) Tetrachloroethene	8.02	164	89540	4.91	ug/L	97
48) 2-Hexanone	8.19	43	489404	50.45	ug/L	98
49) Dibromochloromethane	8.30	129	94316	5.01	ug/L	99
50) 1,2-Dibromoethane	8.40	107	73055	4.98	ug/L	98
51) Chlorobenzene	8.93	112	316405	4.90	ug/L	99
52) Ethylbenzene	9.06	91	541434	5.03	ug/L	98
53) m,p-xylene	9.19	106	201736	5.13	ug/L	96
54) o-xylene	9.59	106	198804	5.17	ug/L	100
55) Styrene	9.61	104	336119	5.25	ug/L	98
56) Isopropylbenzene	9.98	105	545729	5.17	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	89290	4.90	ug/L	97
59) 1,2,3-Trichloropropane	10.33	75	73582	5.13	ug/L	98
61) Bromoform	9.78	173	46072	5.10	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	238097	5.06	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	241186	5.01	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	234580	5.14	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	13807	5.12	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	178014	5.08	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	131373	4.93	ug/L	99
69) Naphthalene	13.56	128	203356	4.90	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	128171	5.06	ug/L	99

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

[illegible]



#2

Dichlorodifluoromethane

Concen: 4.21 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV005991.D

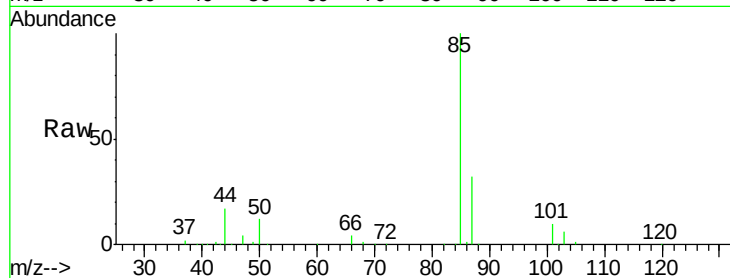
Acq: 22 May 2018 11:40

Tgt Ion: 85 Resp: 105694

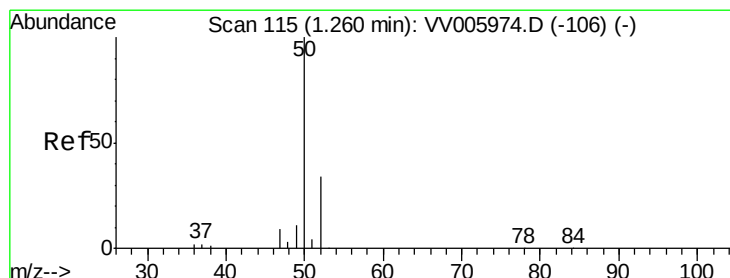
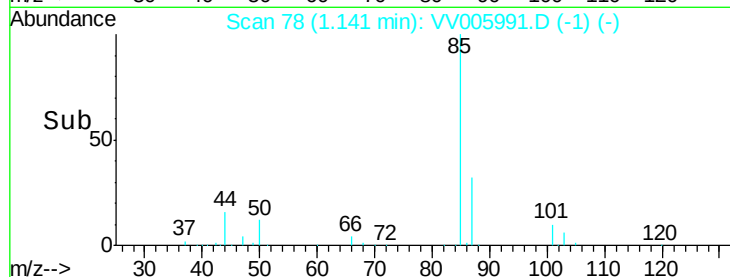
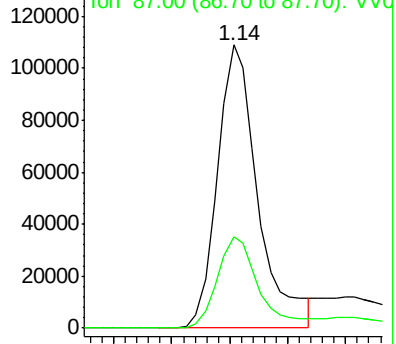
Ion Ratio Lower Upper

85 100

87 32.9 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV005991.D (-1) (-)



#3

Chloromethane

Concen: 5.00 ug/L

RT: 1.26 min Scan# 116

Delta R.T. 0.00 min

Lab File: VV005991.D

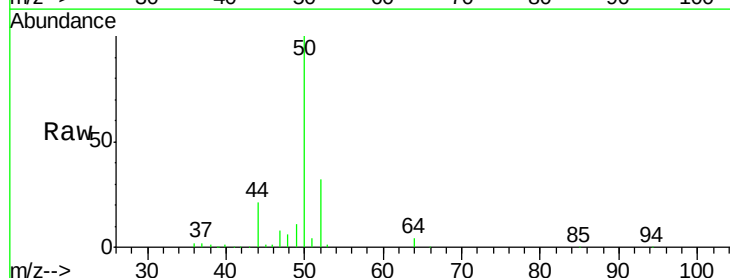
Acq: 22 May 2018 11:40

Tgt Ion: 50 Resp: 110961

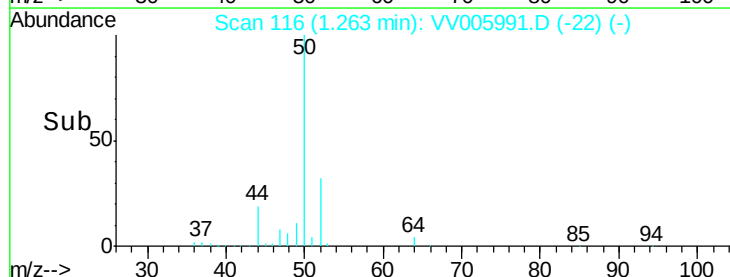
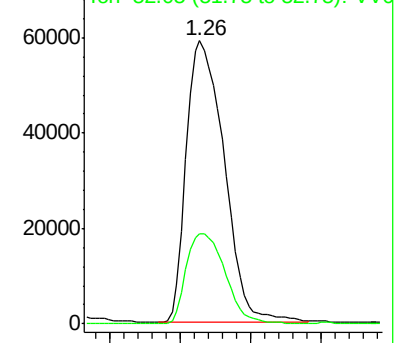
Ion Ratio Lower Upper

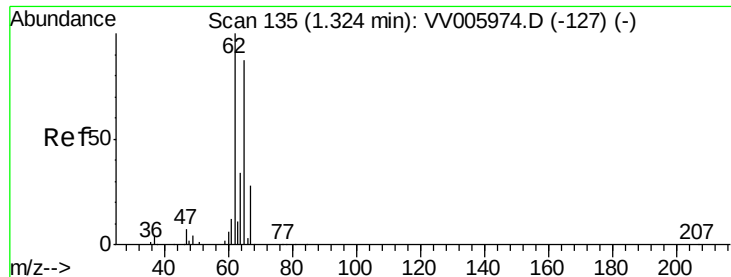
50 100

52 31.8 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VV005991.D (-22) (-)





#5

Vinyl chloride

Concen: 4.97 ug/L

RT: 1.33 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV005991.D

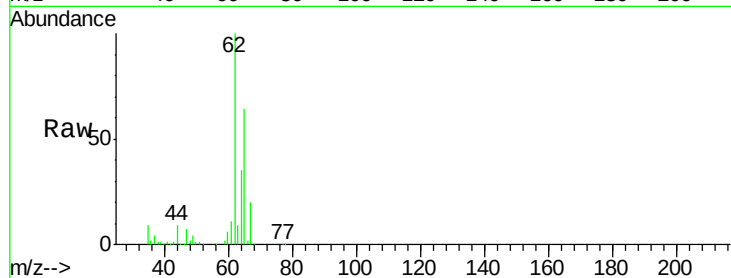
Acq: 22 May 2018 11:40

Tgt Ion: 62 Resp: 118456

Ion Ratio Lower Upper

62 100

64 34.5 25.4 47.2



Abundance Ion 62.00 (61.70 to 62.70): VV005991.D (-127) (-)

Ion 64.10 (63.80 to 64.80): VV005991.D (-127) (-)

1.33

120000

100000

80000

60000

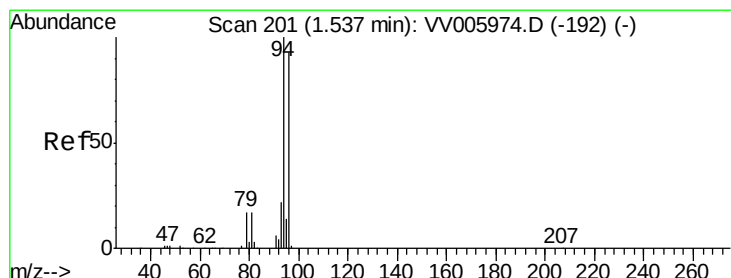
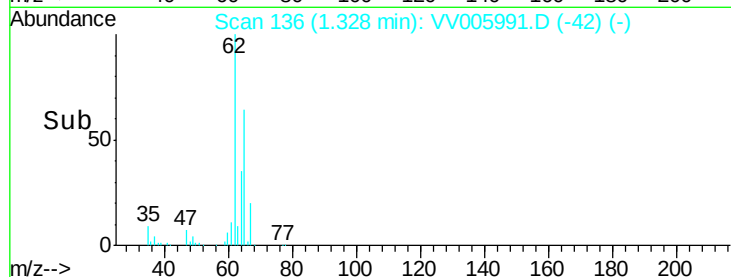
40000

20000

0

1.30 1.40

Time-->



#6

Bromomethane

Concen: 4.47 ug/L

RT: 1.52 min Scan# 197

Delta R.T. -0.01 min

Lab File: VV005991.D

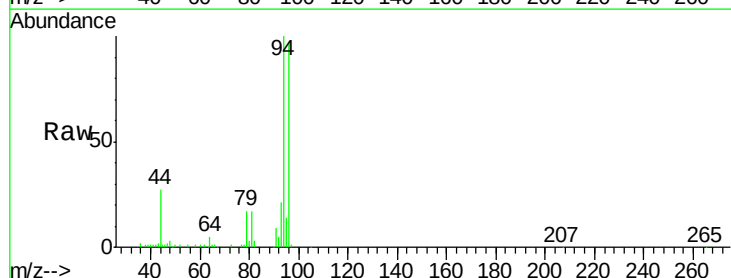
Acq: 22 May 2018 11:40

Tgt Ion: 94 Resp: 35367

Ion Ratio Lower Upper

94 100

96 96.8 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VV005991.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV005991.D (-192) (-)

1.52

30000

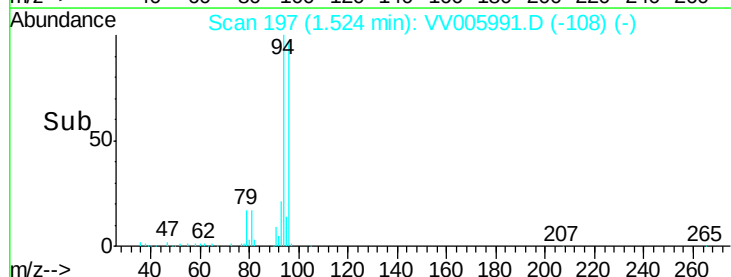
20000

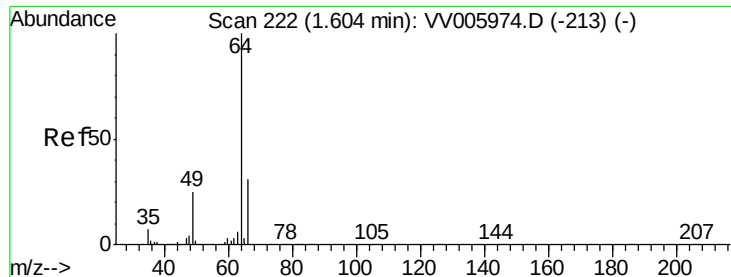
10000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 4.63 ug/L

RT: 1.59 min Scan# 219

Delta R.T. -0.01 min

Lab File: VV005991.D

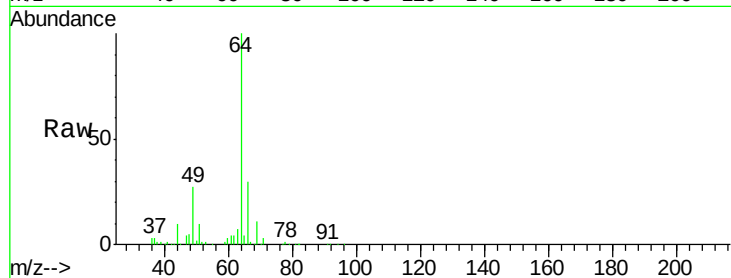
Acq: 22 May 2018 11:40

Tgt Ion: 64 Resp: 74631

Ion Ratio Lower Upper

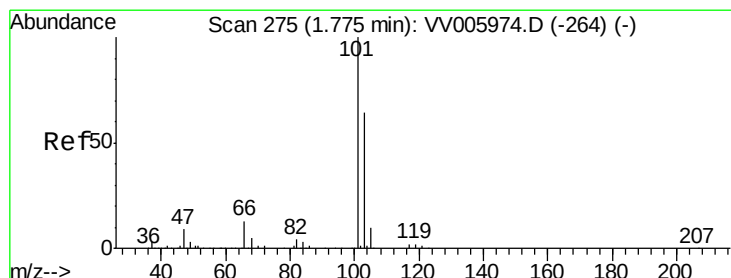
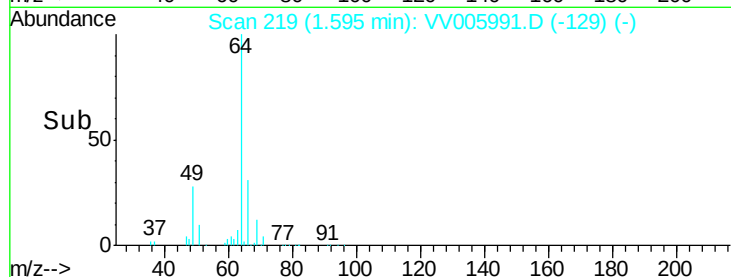
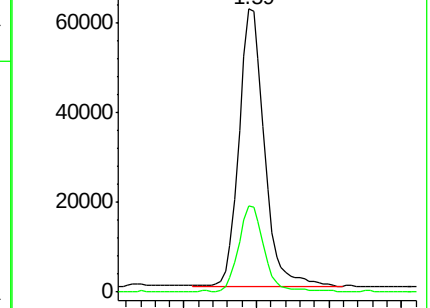
64 100

66 30.3 22.7 42.3



Abundance Ion 64.10 (63.80 to 64.80): VV005991.D (-219) (-)

Ion 66.05 (65.75 to 66.75): VV005991.D (-219) (-)



#9

Trichlorofluoromethane

Concen: 4.99 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV005991.D

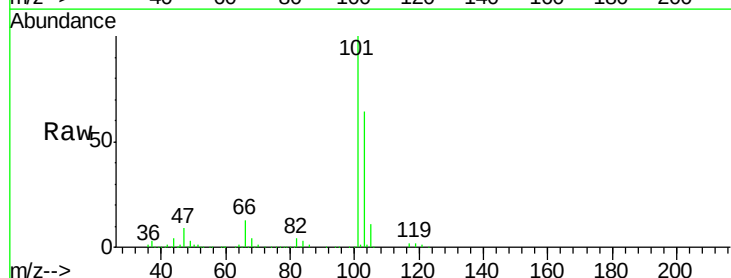
Acq: 22 May 2018 11:40

Tgt Ion: 101 Resp: 183134

Ion Ratio Lower Upper

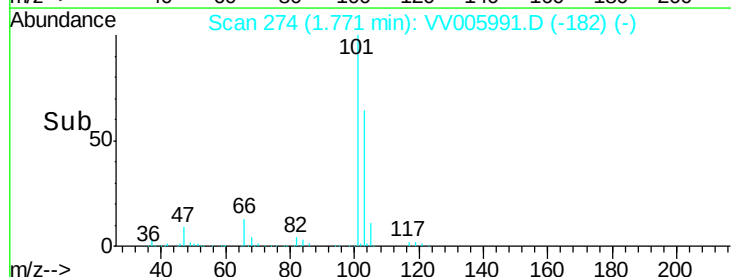
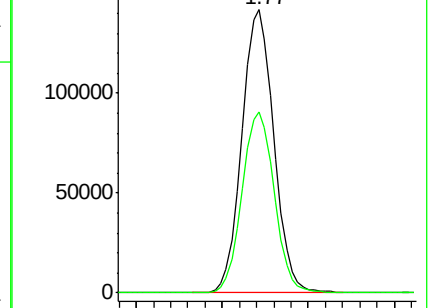
101 100

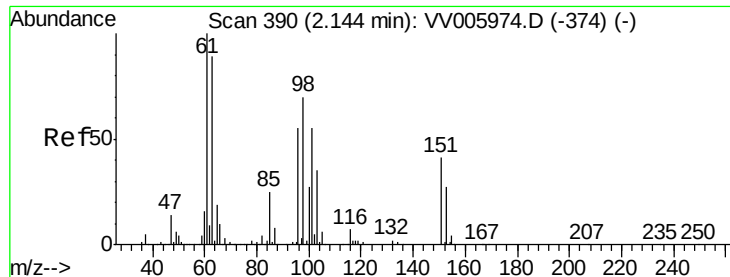
103 64.9 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV005991.D (-274) (-)

Ion 103.00 (102.70 to 103.70): VV005991.D (-274) (-)





#10

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

Concen: 5.16 ug/L

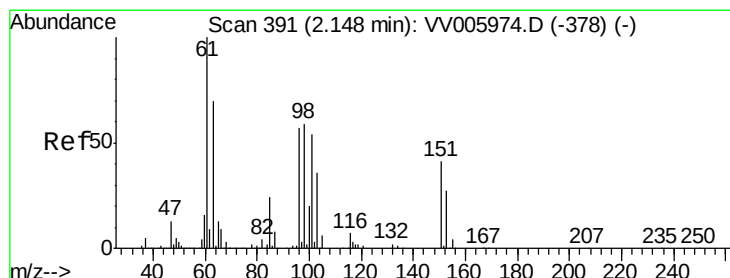
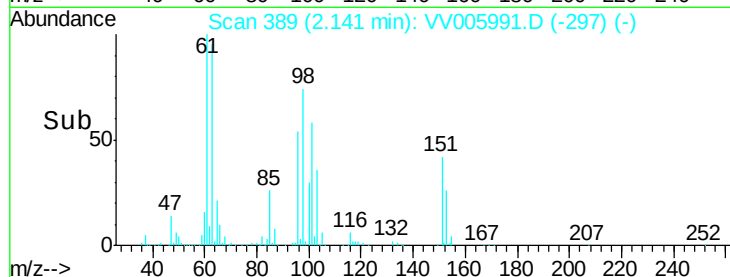
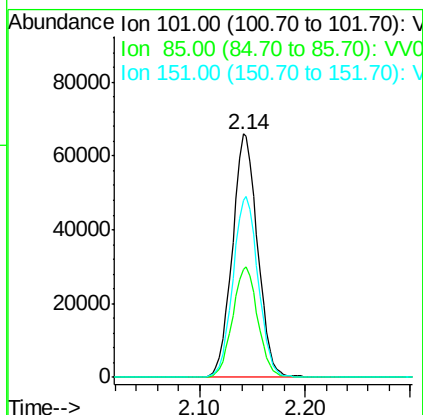
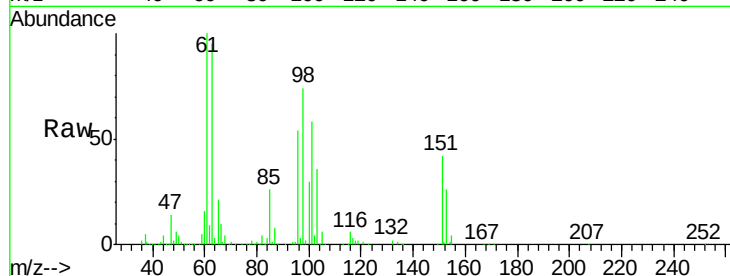
RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV005991.D

Acq: 22 May 2018 11:40

Tgt Ion:	101	Resp:	109189
Ion	Ratio	Lower	Upper
101	100		
85	45.2	35.2	52.8
151	74.4	59.2	88.8



#12

1,1-Dichloroethene

Concen: 4.97 ug/L

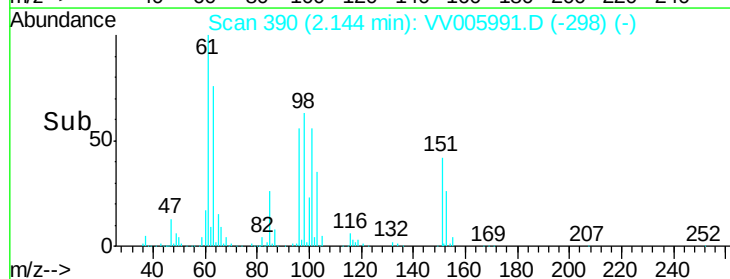
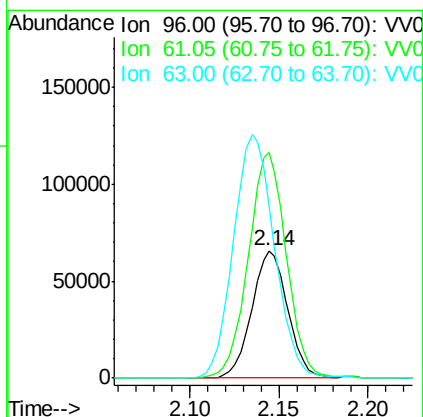
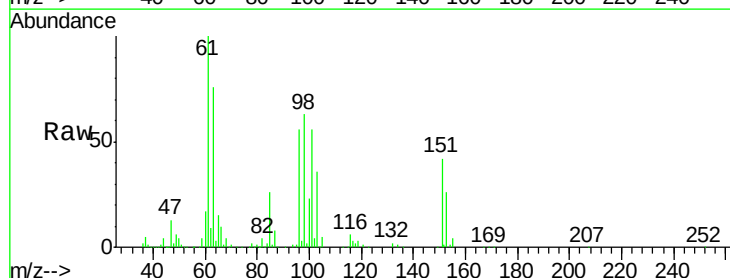
RT: 2.14 min Scan# 390

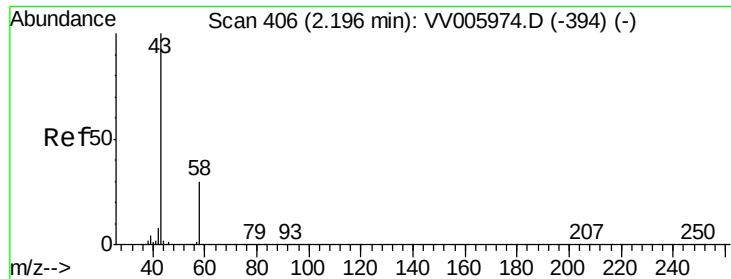
Delta R.T. -0.00 min

Lab File: VV005991.D

Acq: 22 May 2018 11:40

Tgt Ion:	96	Resp:	92686
Ion	Ratio	Lower	Upper
96	100		
61	177.3	117.5	218.3
63	135.0	83.0	154.1





#13

Acetone

Concen: 51.19 ug/L

RT: 2.20 min Scan# 406

Delta R.T. 0.00 min

Lab File: VV005991.D

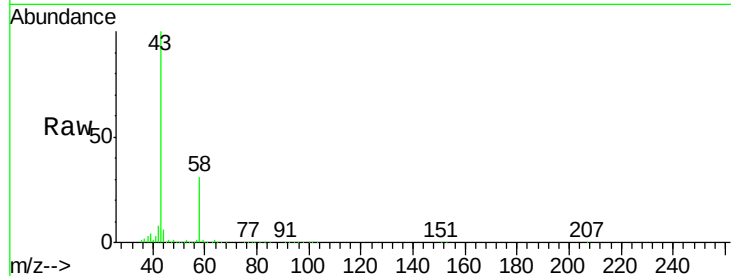
Acq: 22 May 2018 11:40

Tgt Ion: 43 Resp: 170206

Ion Ratio Lower Upper

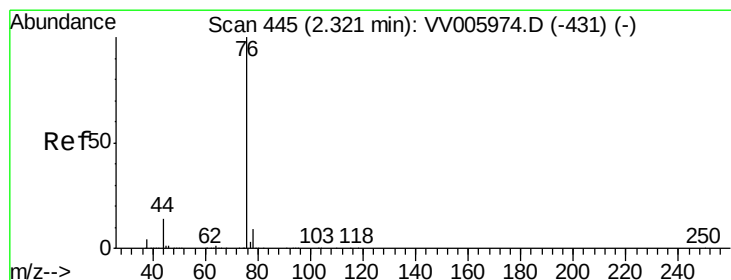
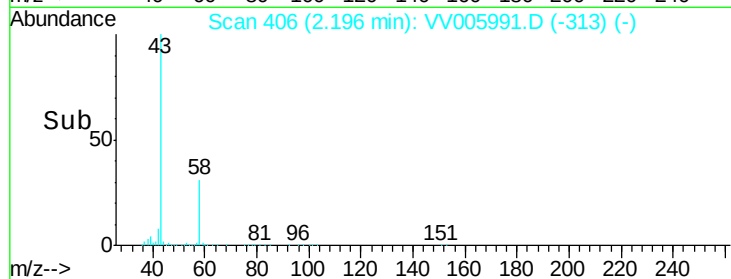
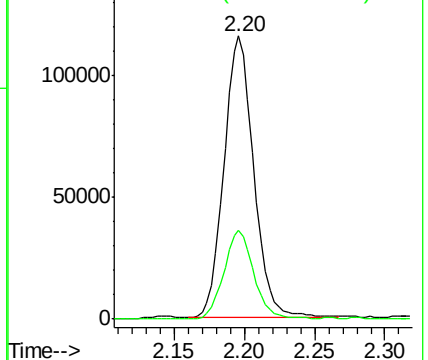
43 100

58 31.0 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.74 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV005991.D

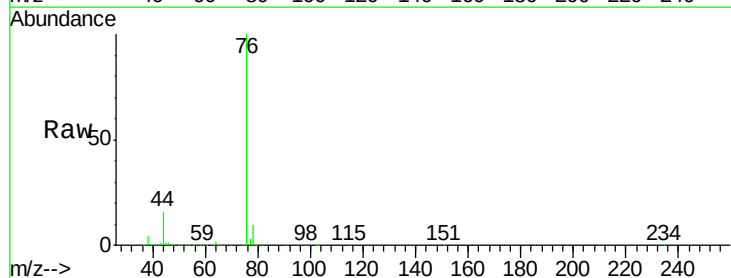
Acq: 22 May 2018 11:40

Tgt Ion: 76 Resp: 234624

Ion Ratio Lower Upper

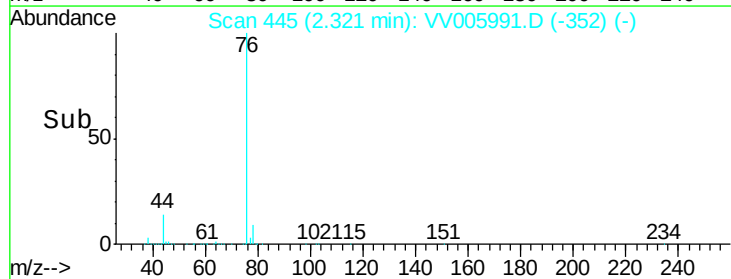
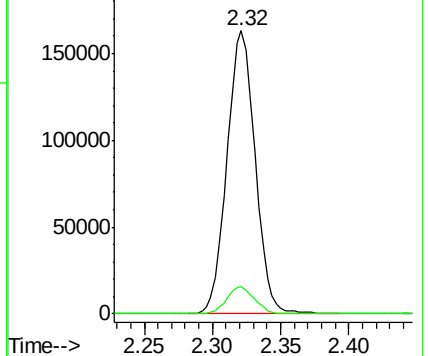
76 100

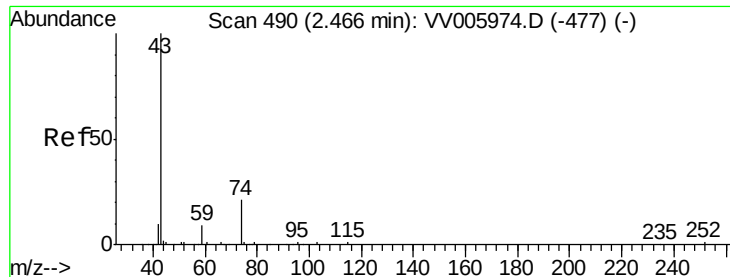
78 9.5 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

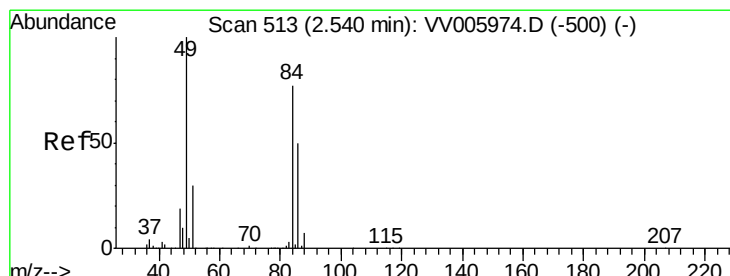
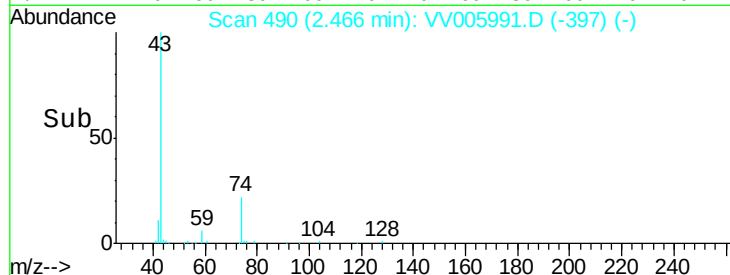
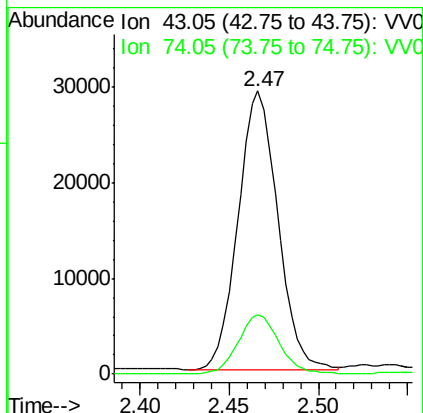
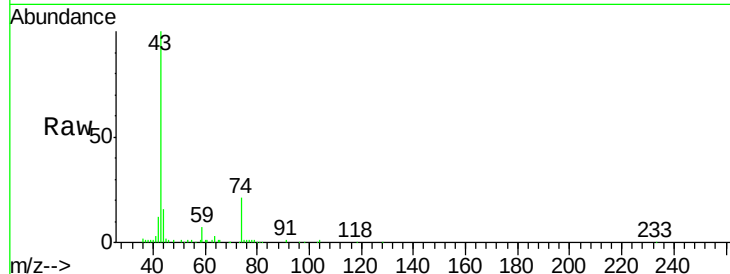
Ion 78.00 (77.70 to 78.70): VV0





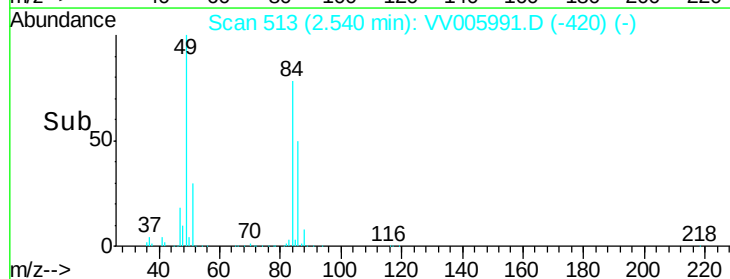
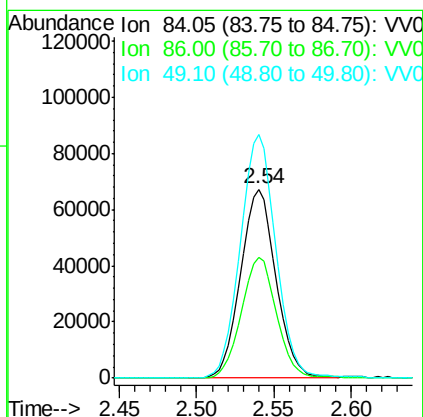
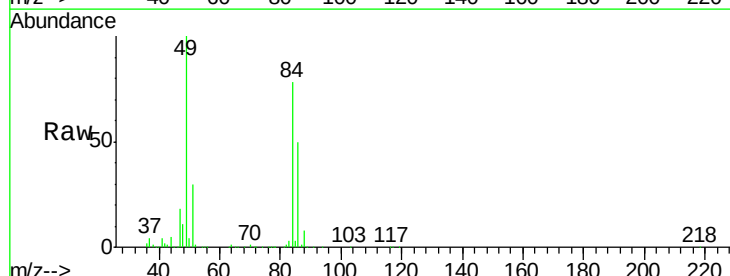
#15
Methyl Acetate
Concen: 5.07 ug/L
RT: 2.47 min Scan# 490
Delta R.T. 0.00 min
Lab File: VV005991.D
Acq: 22 May 2018 11:40

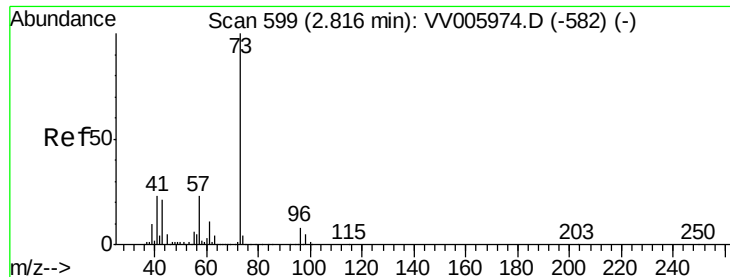
Tgt Ion: 43 Resp: 45264
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.6



#16
Methylene chloride
Concen: 4.75 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV005991.D
Acq: 22 May 2018 11:40

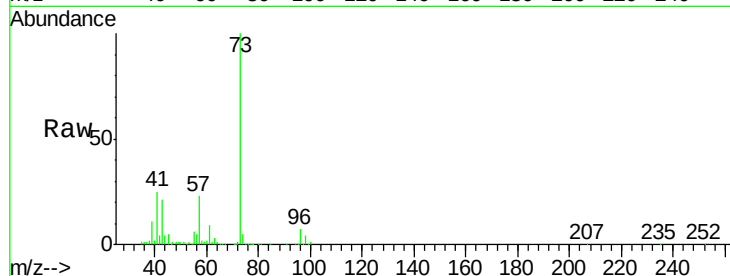
Tgt Ion: 84 Resp: 107146
Ion Ratio Lower Upper
84 100
86 64.3 45.7 84.9
49 129.0 89.9 167.0



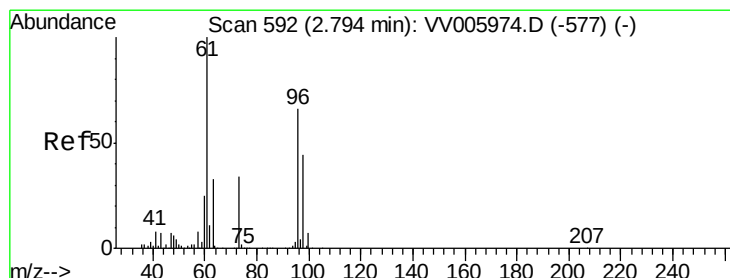
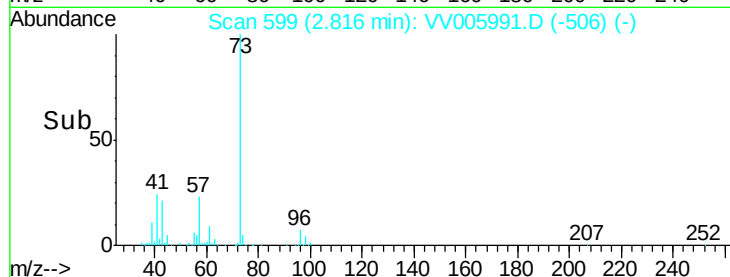
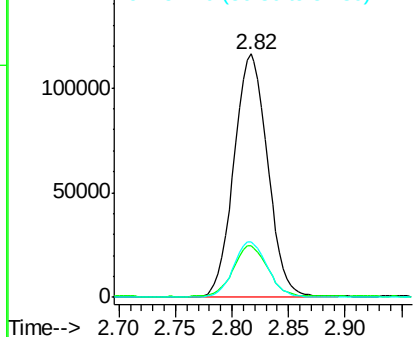


#17
Methyl tert-butyl Ether
Concen: 4.72 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV005991.D
Acq: 22 May 2018 11:40

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.6	16.1	24.1
57	23.0	18.2	27.4

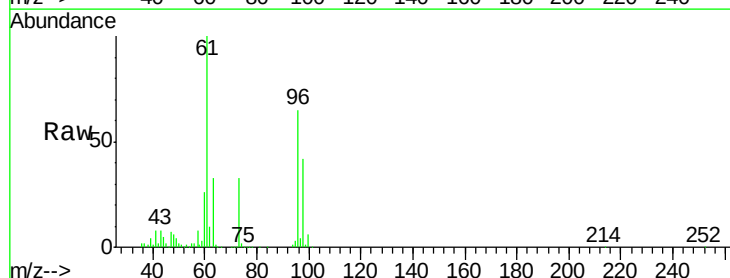


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

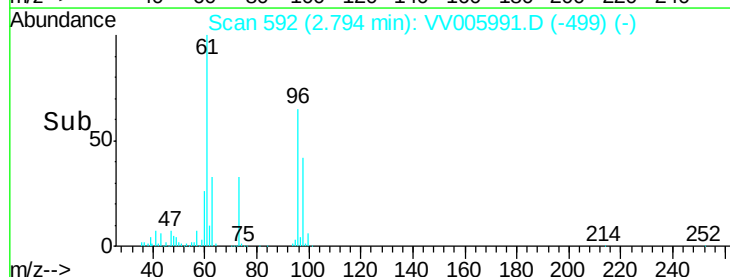
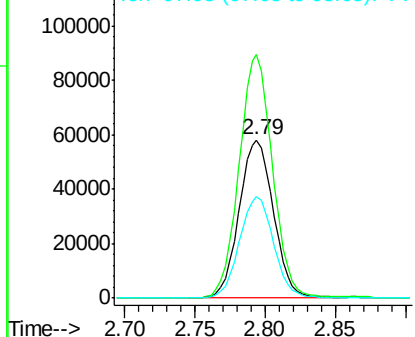


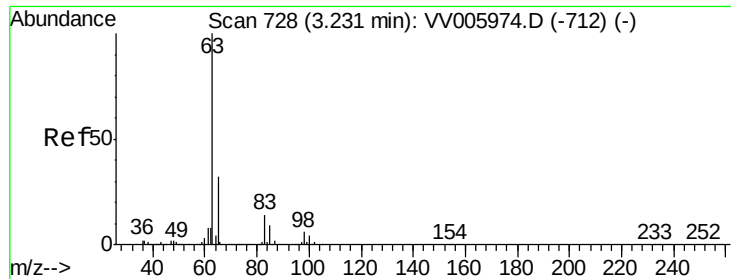
#18
trans-1,2-Dichloroethene
Concen: 4.82 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV005991.D
Acq: 22 May 2018 11:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.0	104.2	193.4
98	64.1	45.8	85.0



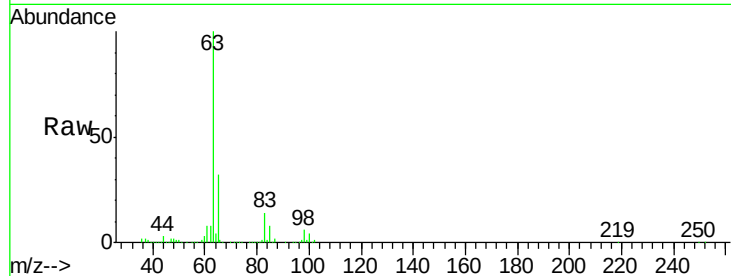
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0



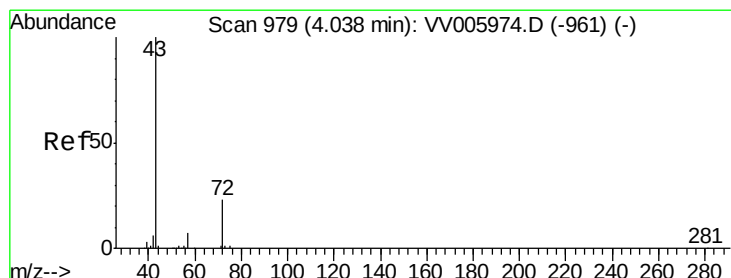
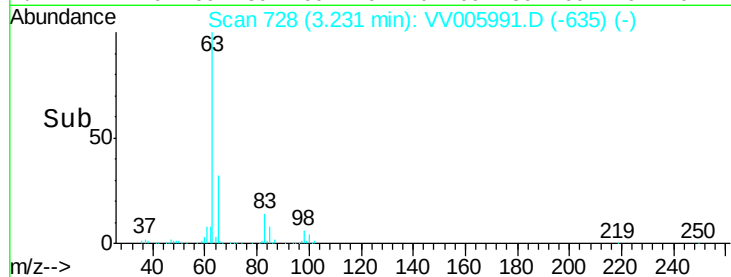
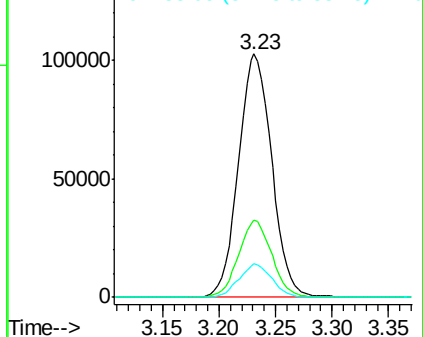


#19
 1,1-Dichloroethane
 Concen: 5.21 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV005991.D
 Acq: 22 May 2018 11:40

Tgt Ion:	63	Resp:	210726
Ion	Ratio	Lower	Upper
63	100		
65	31.8	21.5	39.9
83	13.7	10.1	18.9

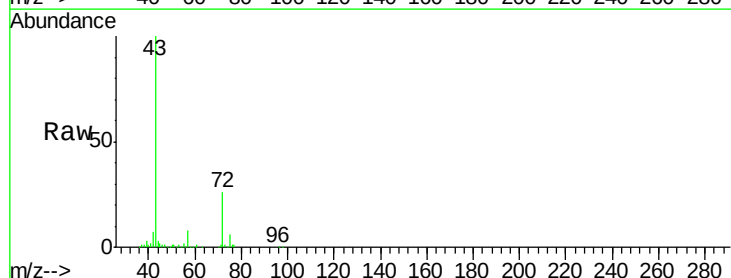


Abundance Ion 63.10 (62.80 to 63.80): VV005991.D (-635) (-)

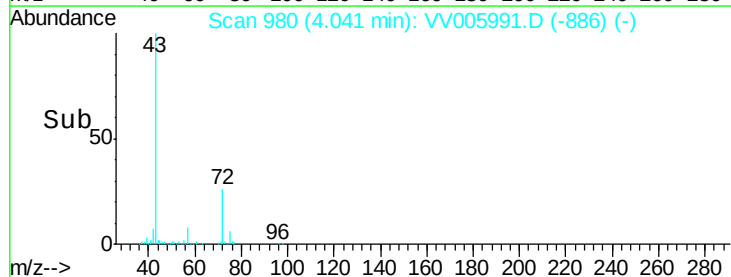
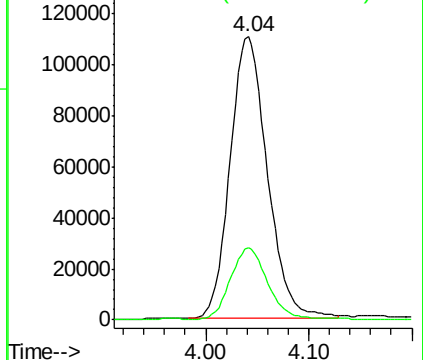


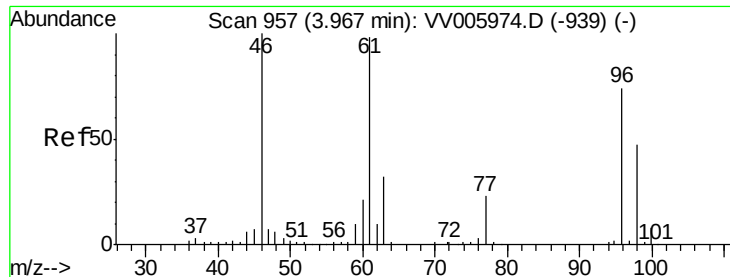
#21
 2-Butanone
 Concen: 50.27 ug/L
 RT: 4.04 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VV005991.D
 Acq: 22 May 2018 11:40

Tgt Ion:	43	Resp:	277245
Ion	Ratio	Lower	Upper
43	100		
72	25.6	12.4	37.0



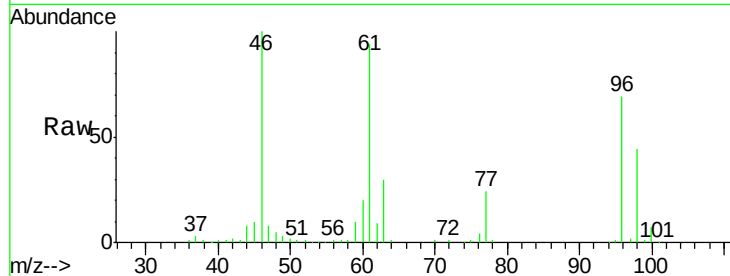
Abundance Ion 43.05 (42.75 to 43.75): VV005991.D (-886) (-)



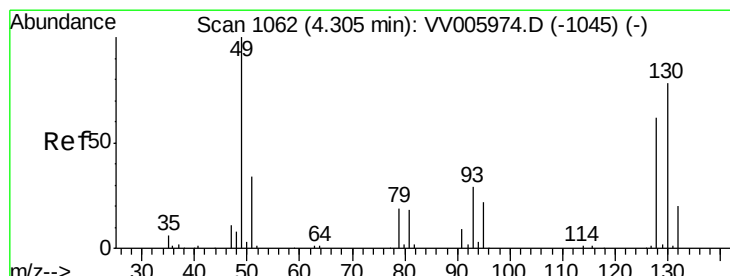
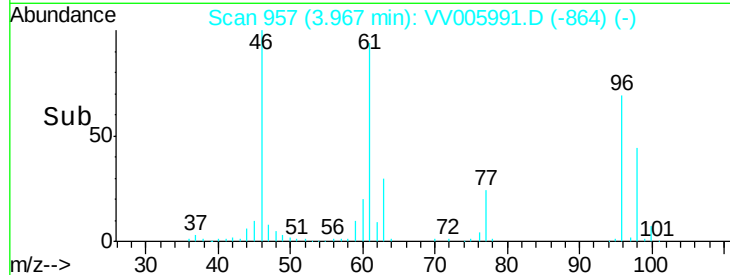
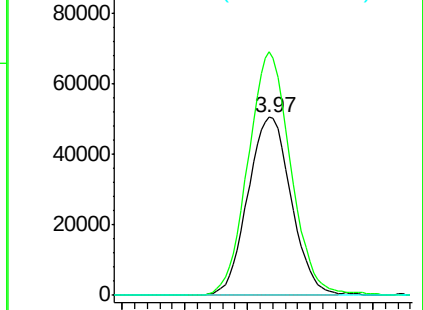


#22
 cis-1,2-Dichloroethene
 Concen: 4.99 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV005991.D
 Acq: 22 May 2018 11:40

Tgt Ion: 96 Resp: 121379
 Ion Ratio Lower Upper
 96 100
 61 136.7 95.8 178.0
 68 0.0 0.0 0.0

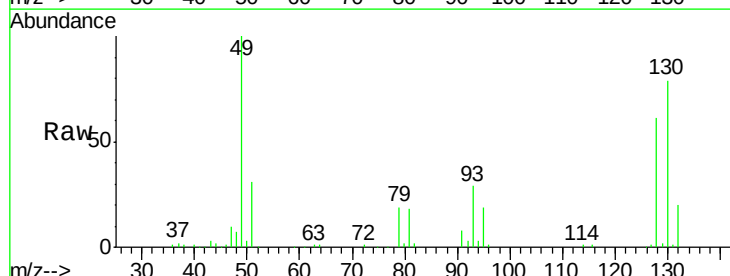


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

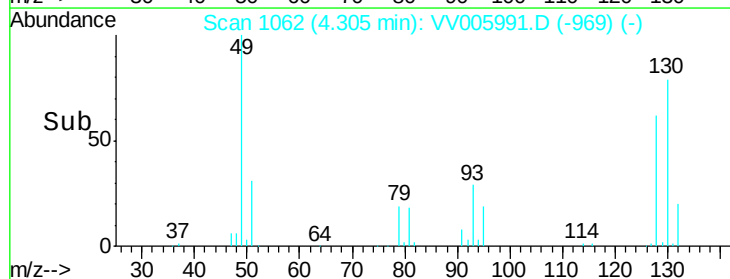
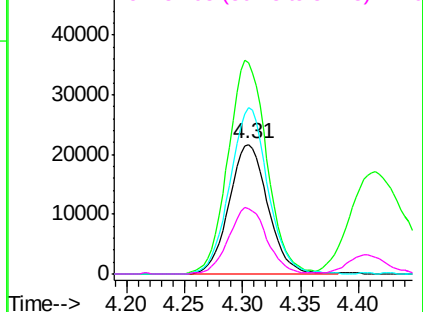


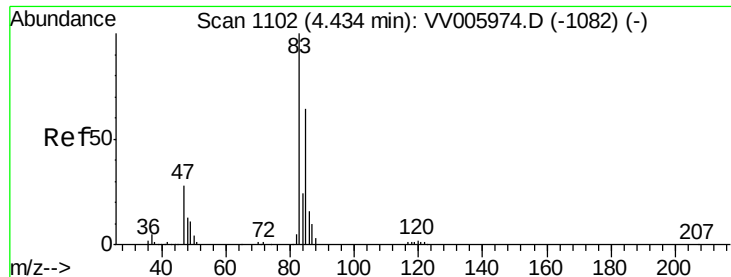
#23
 Bromochloromethane
 Concen: 5.17 ug/L
 RT: 4.31 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VV005991.D
 Acq: 22 May 2018 11:40

Tgt Ion: 128 Resp: 50388
 Ion Ratio Lower Upper
 128 100
 49 162.8 115.7 214.9
 130 128.4 86.7 160.9
 51 50.5 42.3 63.5



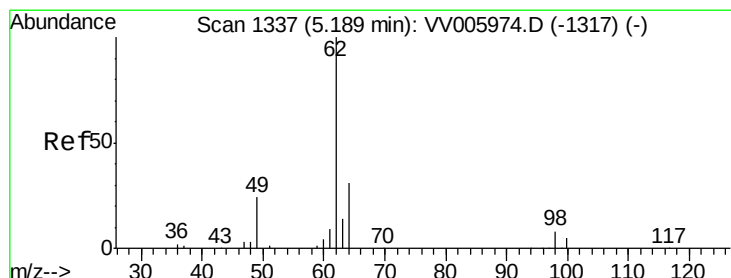
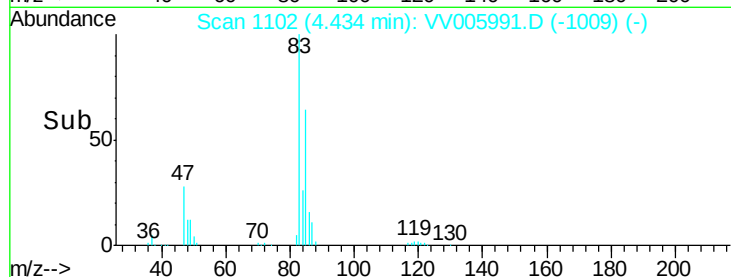
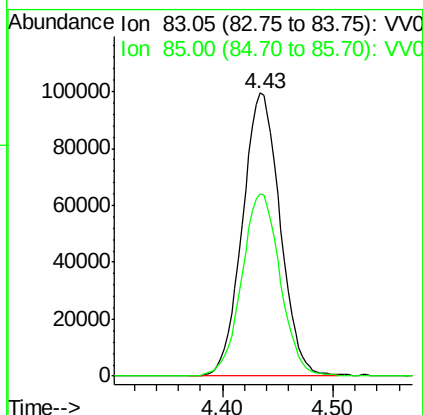
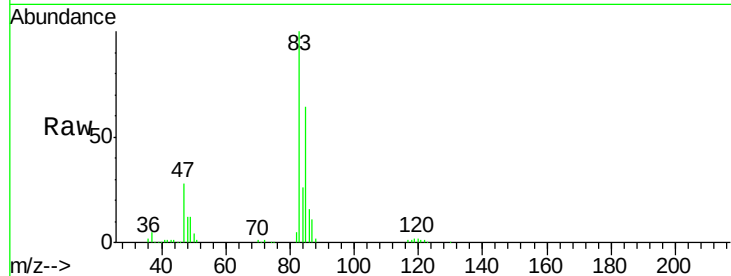
Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0





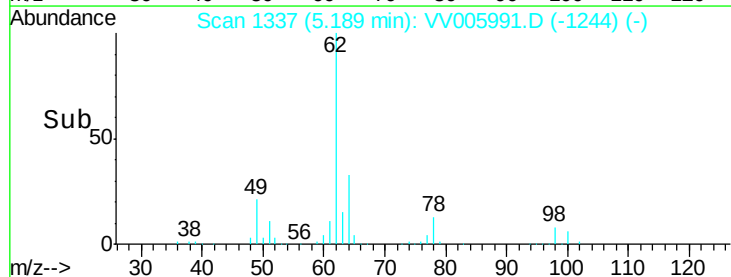
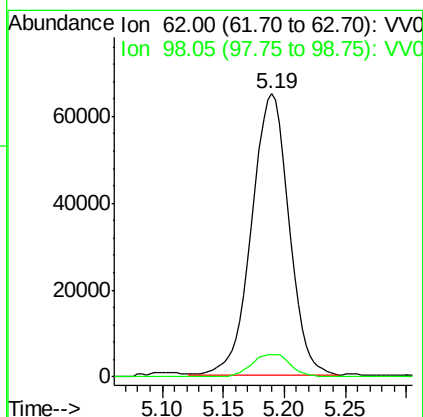
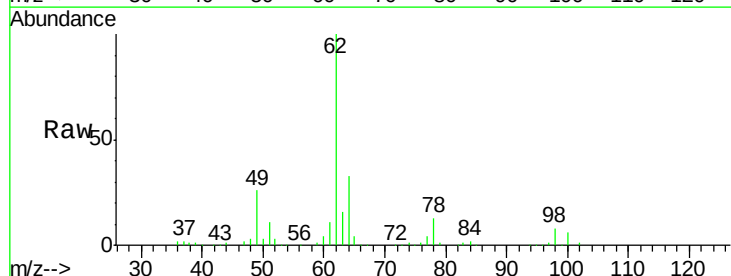
#25
Chloroform
Concen: 4.99 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV005991.D
Acq: 22 May 2018 11:40

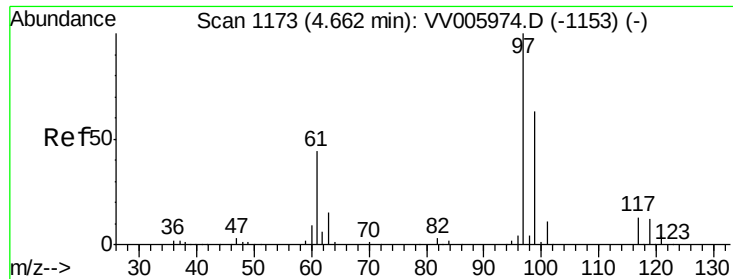
Tgt Ion: 83 Resp: 235509
Ion Ratio Lower Upper
83 100
85 64.5 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.92 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV005991.D
Acq: 22 May 2018 11:40

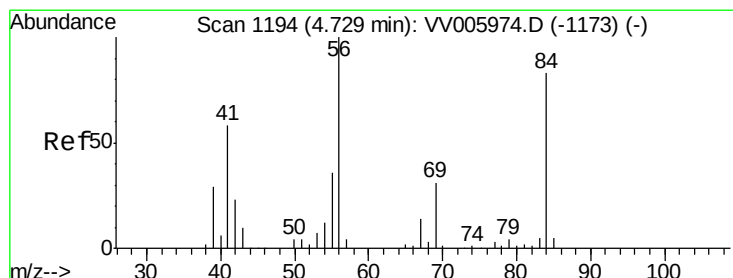
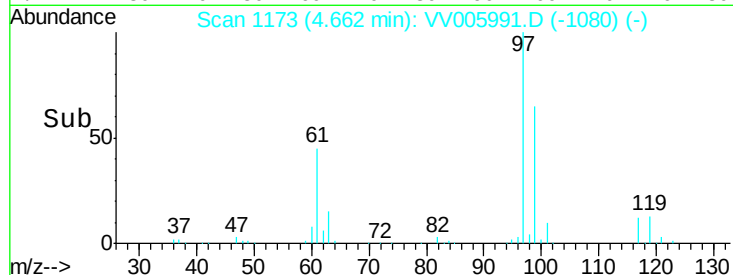
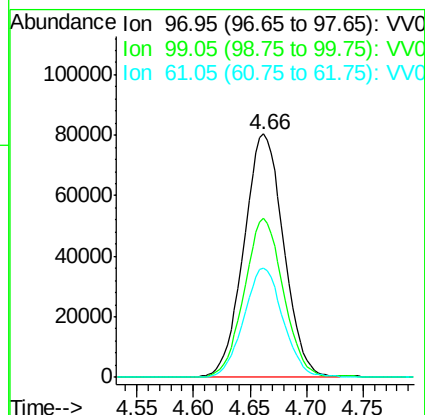
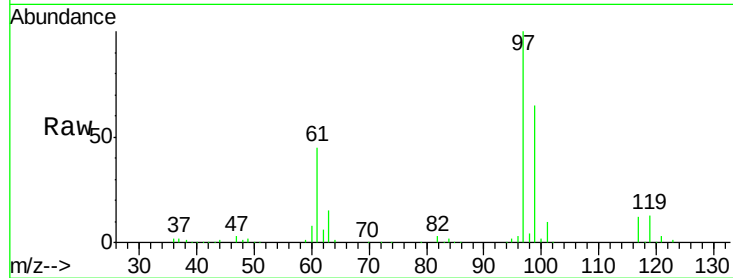
Tgt Ion: 62 Resp: 136486
Ion Ratio Lower Upper
62 100
98 8.0 6.6 9.8





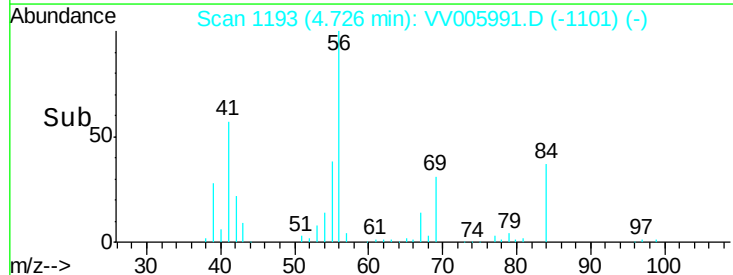
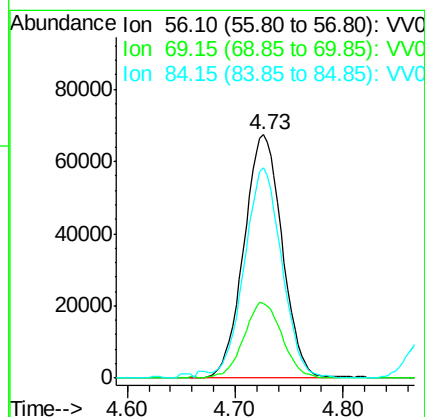
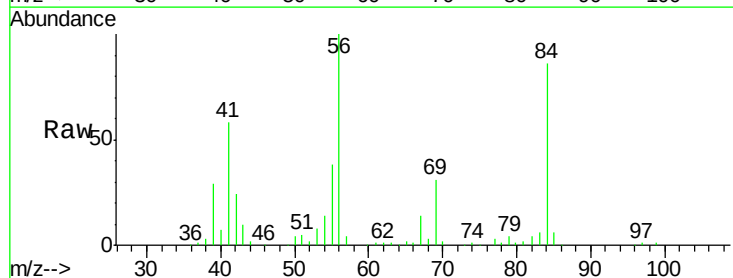
#29
 1,1,1-Trichloroethane
 Concen: 4.92 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV005991.D
 Acq: 22 May 2018 11:40

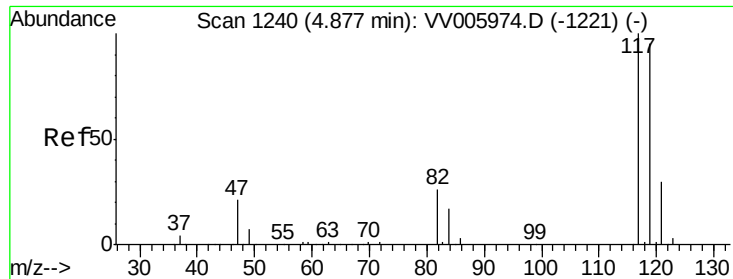
Tgt Ion:	97	Resp:	196899
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.1	76.7
61	44.3	36.0	54.0



#30
 Cyclohexane
 Concen: 4.80 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VV005991.D
 Acq: 22 May 2018 11:40

Tgt Ion:	56	Resp:	166032
Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.7	37.1
84	83.6	67.4	101.0





#31

Carbon tetrachloride

Concen: 5.06 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV005991.D

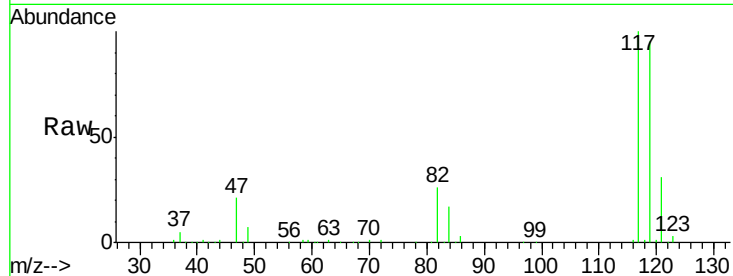
Acq: 22 May 2018 11:40

Tgt Ion: 117 Resp: 174424

Ion Ratio Lower Upper

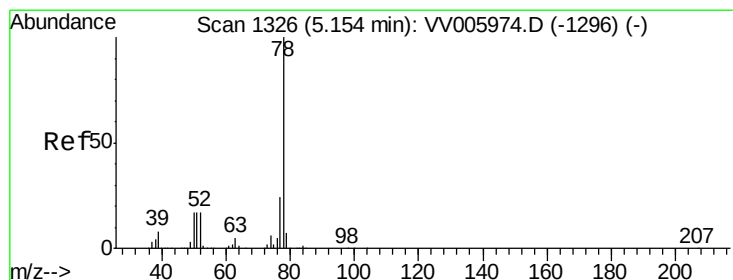
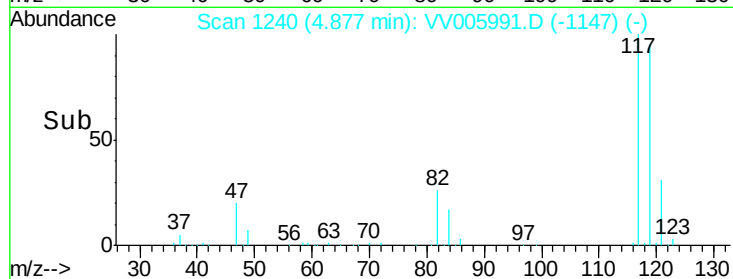
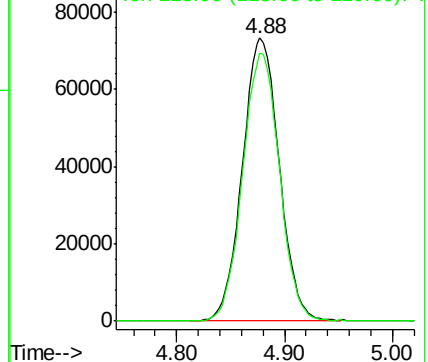
117 100

119 94.4 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: 4.90 ug/L

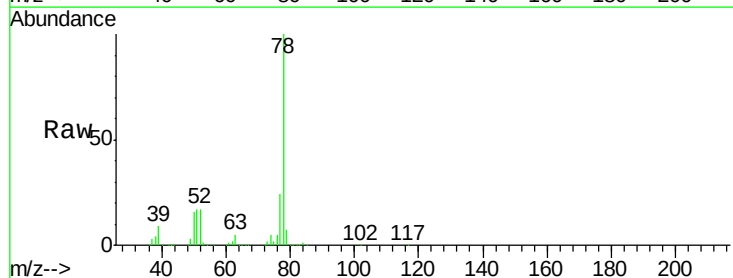
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

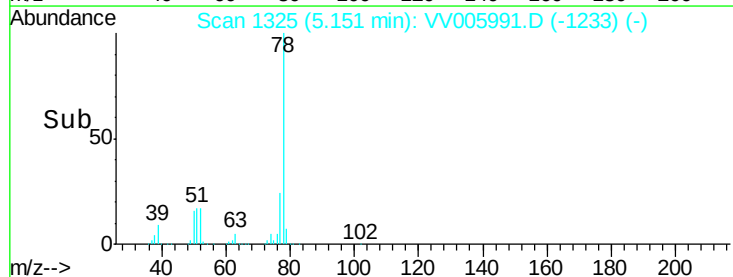
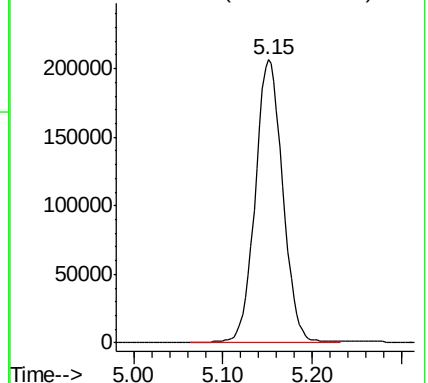
Lab File: VV005991.D

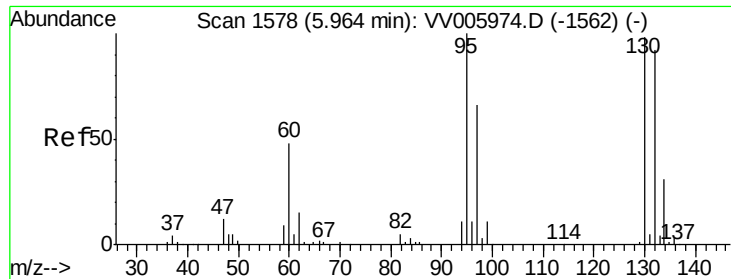
Acq: 22 May 2018 11:40

Tgt Ion: 78 Resp: 446043



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.86 ug/L

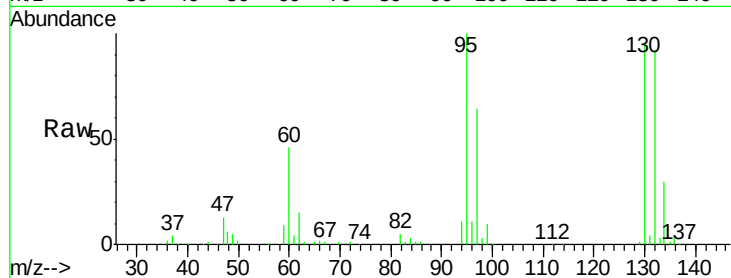
RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV005991.D

Acq: 22 May 2018 11:40

Tgt Ion:	95	Resp:	125650
Ion	Ratio	Lower	Upper
95	100		
97	63.7	46.0	85.4
132	92.2	65.0	120.8
130	96.3	67.0	124.4

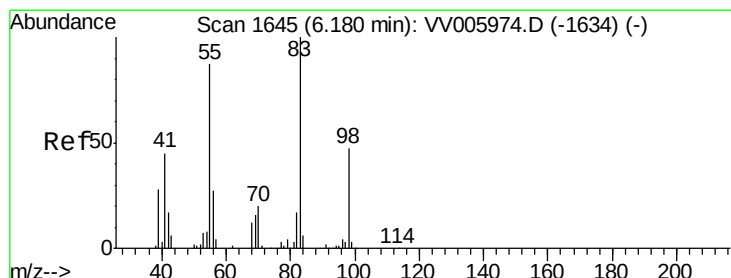
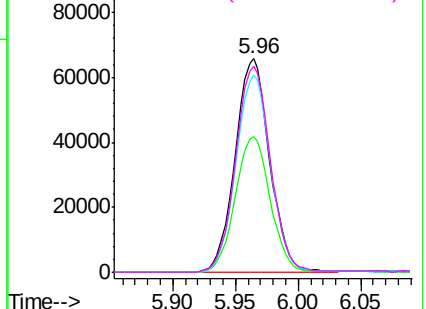
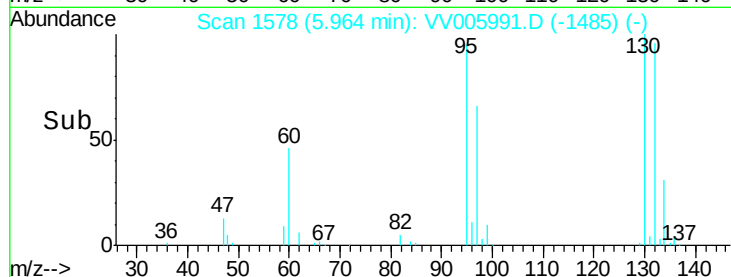


Abundance Ion 95.00 (94.70 to 95.70): VV005991.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV005991.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV005991.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV005991.D (-1485) (-)



#35

Methylcyclohexane

Concen: 4.82 ug/L

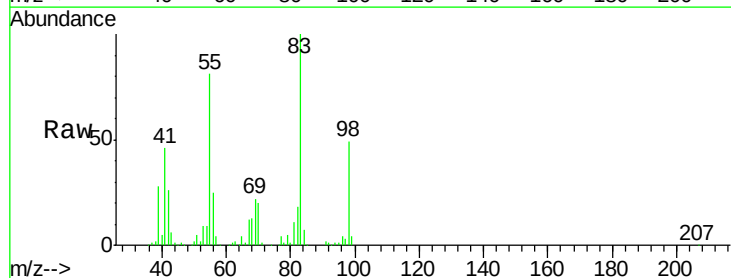
RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV005991.D

Acq: 22 May 2018 11:40

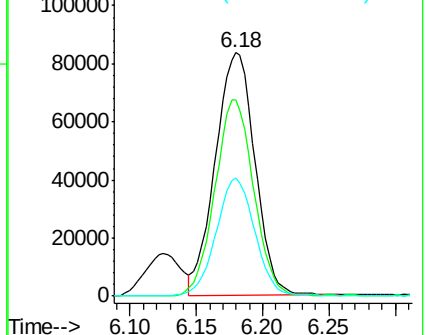
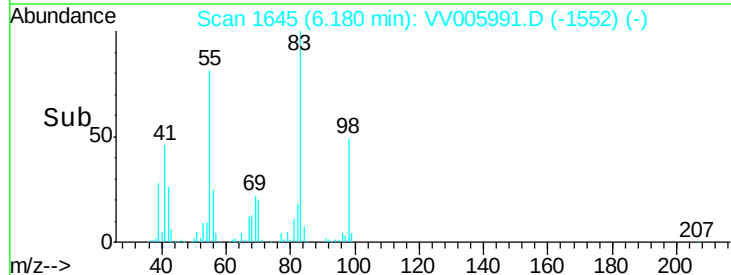
Tgt Ion:	83	Resp:	173727
Ion	Ratio	Lower	Upper
83	100		
55	79.0	64.5	96.7
98	46.5	37.9	56.9

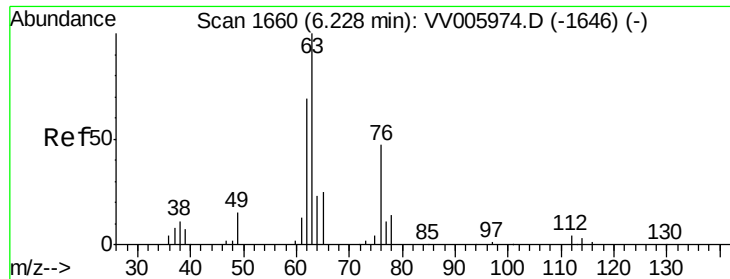


Abundance Ion 83.15 (82.85 to 83.85): VV005991.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV005991.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV005991.D (-1552) (-)





#37

1,2-Dichloropropane

Concen: 4.80 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV005991.D

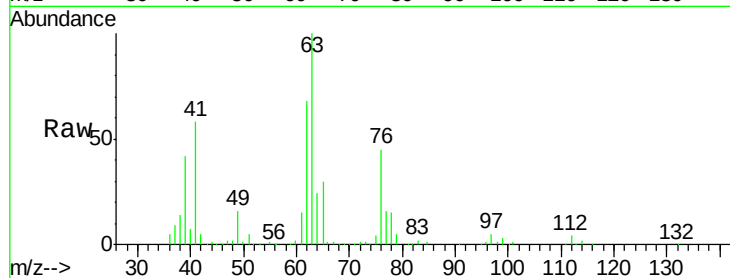
Acq: 22 May 2018 11:40

Tgt Ion: 63 Resp: 113214

Ion Ratio Lower Upper

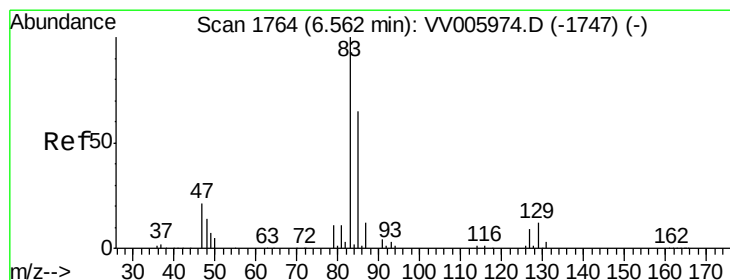
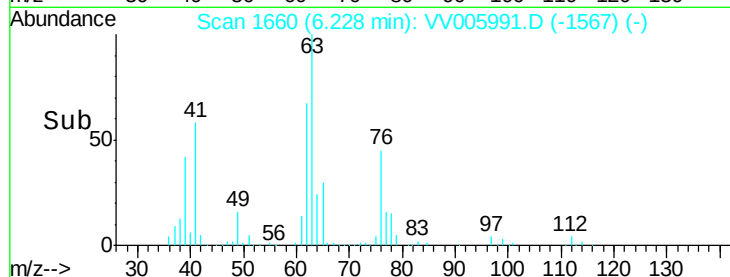
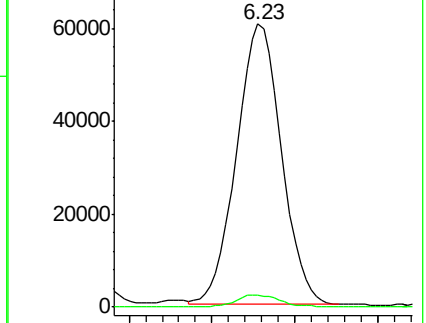
63 100

112 4.4 3.0 4.6



Abundance Ion 63.10 (62.80 to 63.80): VV005991.D (-1667) (-)

Ion 112.10 (111.80 to 112.80): VV005991.D (-1667) (-)



#38

Bromodichloromethane

Concen: 4.98 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV005991.D

Acq: 22 May 2018 11:40

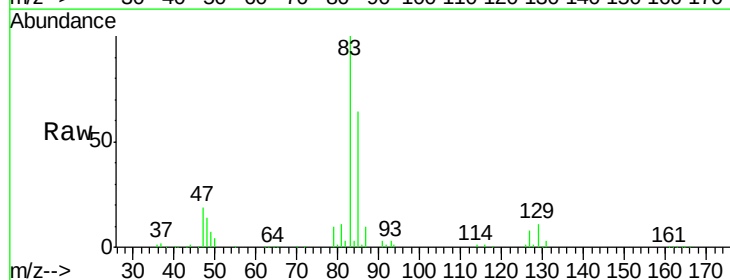
Tgt Ion: 83 Resp: 149882

Ion Ratio Lower Upper

83 100

85 63.7 45.6 84.8

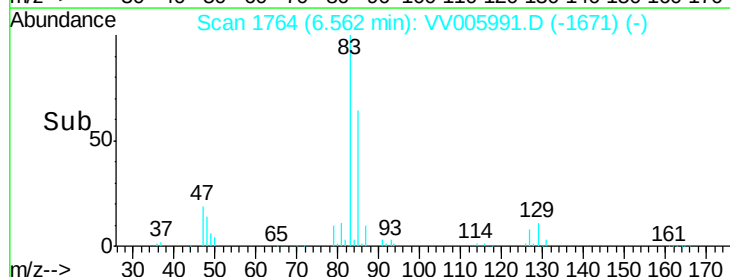
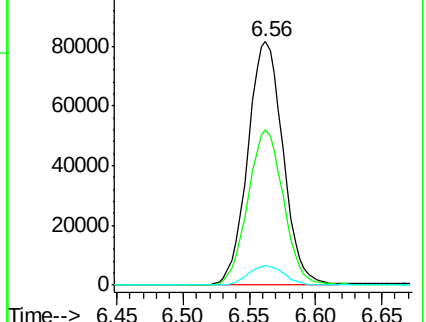
127 7.9 7.0 10.4

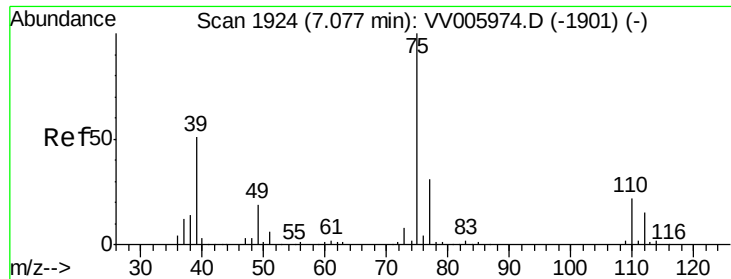


Abundance Ion 82.95 (82.65 to 83.65): VV005991.D (-1765) (-)

Ion 85.00 (84.70 to 85.70): VV005991.D (-1765) (-)

Ion 126.90 (126.60 to 127.60): VV005991.D (-1765) (-)





#39

cis-1,3-Dichloropropene

Concen: 4.96 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV005991.D

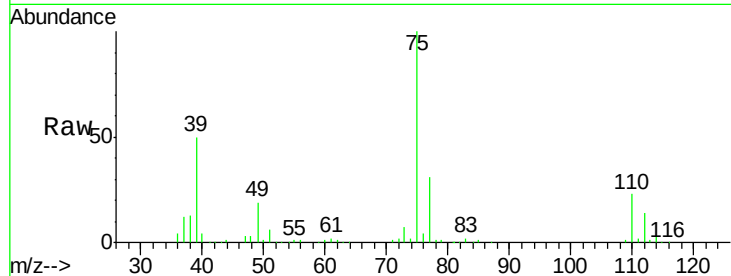
Acq: 22 May 2018 11:40

Tgt Ion: 75 Resp: 160484

Ion Ratio Lower Upper

75 100

77 30.8 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.08

80000

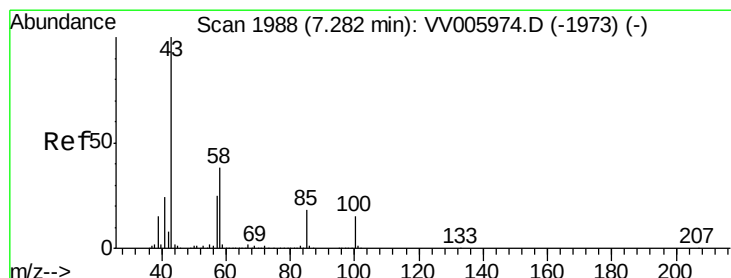
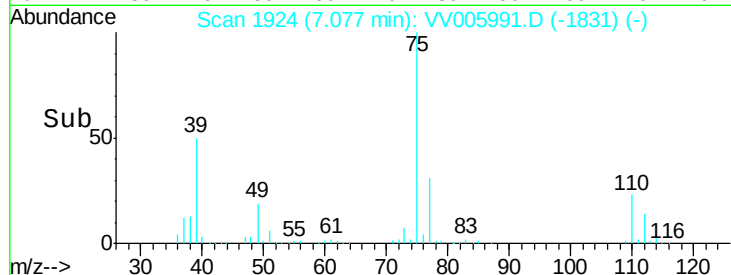
60000

40000

20000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 50.79 ug/L

RT: 7.28 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VV005991.D

Acq: 22 May 2018 11:40

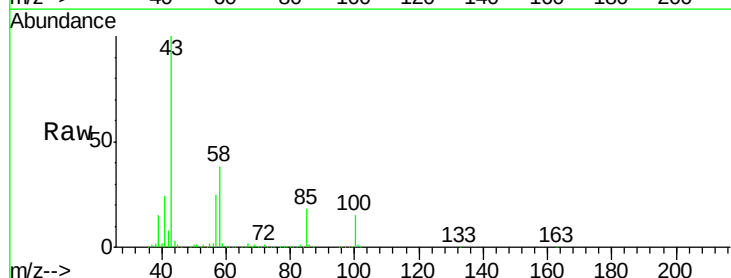
Tgt Ion: 43 Resp: 691012

Ion Ratio Lower Upper

43 100

58 36.7 29.4 44.0

100 14.0 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

7.28

500000

400000

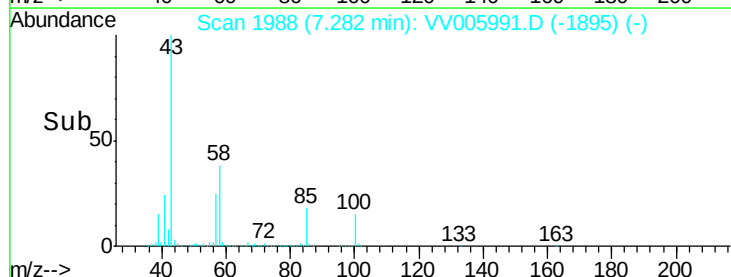
300000

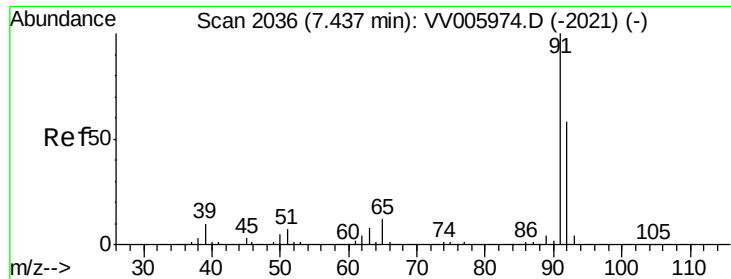
200000

100000

0

Time-->





#42

Toluene

Concen: 4.94 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV005991.D

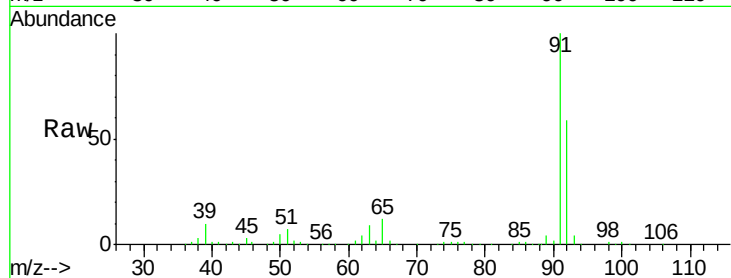
Acq: 22 May 2018 11:40

Tgt Ion: 91 Resp: 474941

Ion Ratio Lower Upper

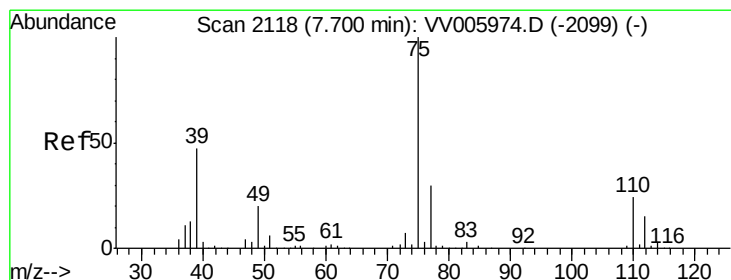
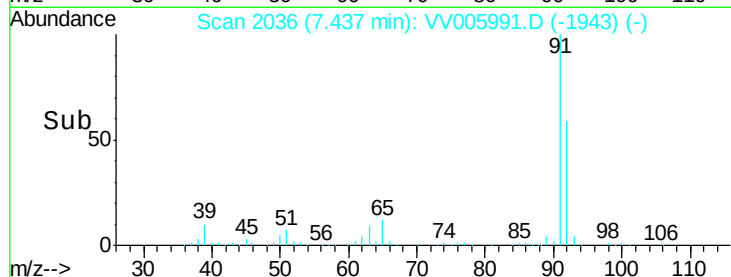
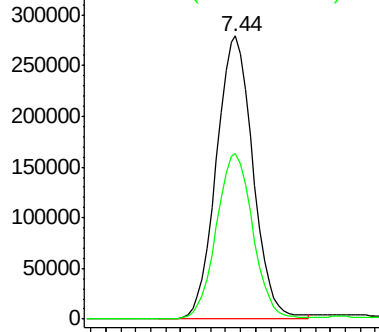
91 100

92 58.7 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: 5.01 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV005991.D

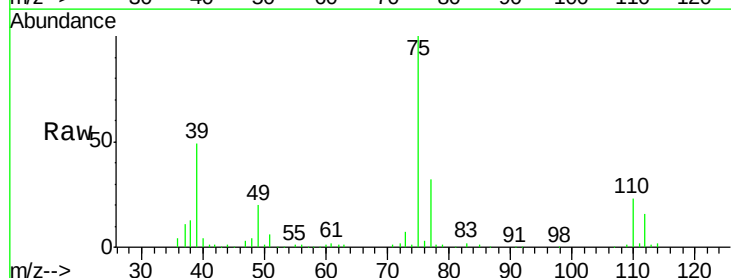
Acq: 22 May 2018 11:40

Tgt Ion: 75 Resp: 131892

Ion Ratio Lower Upper

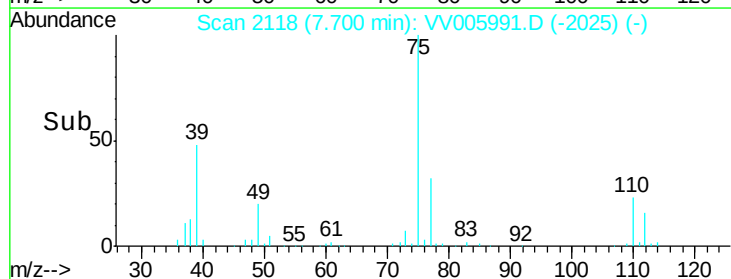
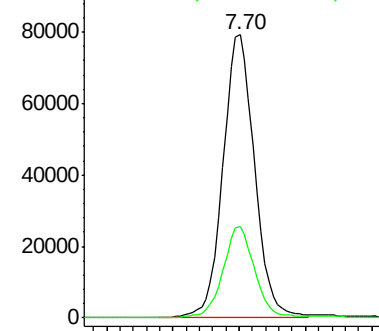
75 100

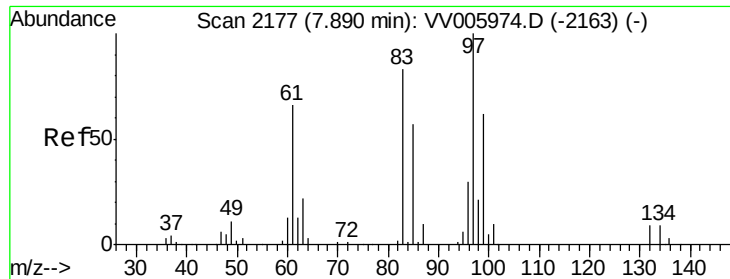
77 32.1 22.8 42.4



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: 5.07 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV005991.D

Acq: 22 May 2018 11:40

Tgt Ion: 97 Resp: 82041

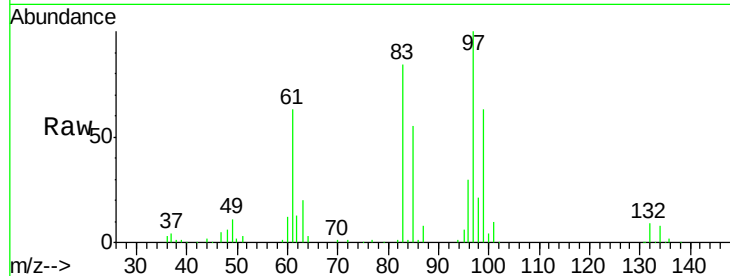
Ion Ratio Lower Upper

97 100

99 62.8 42.4 78.8

83 84.1 58.7 108.9

85 54.9 39.3 73.1

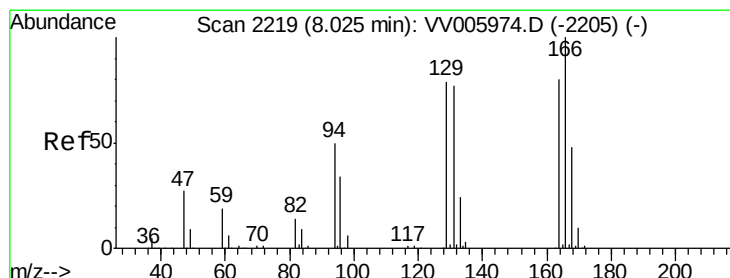
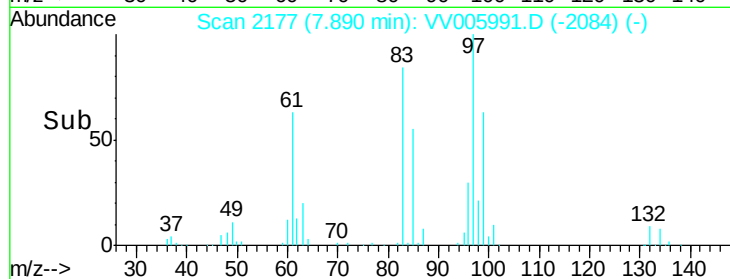
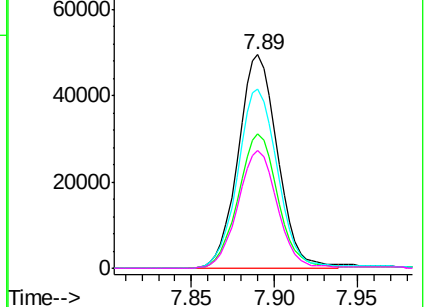


Abundance Ion 96.95 (96.65 to 97.65): VV0

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



#47

Tetrachloroethene

Concen: 4.91 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV005991.D

Acq: 22 May 2018 11:40

Tgt Ion: 164 Resp: 89540

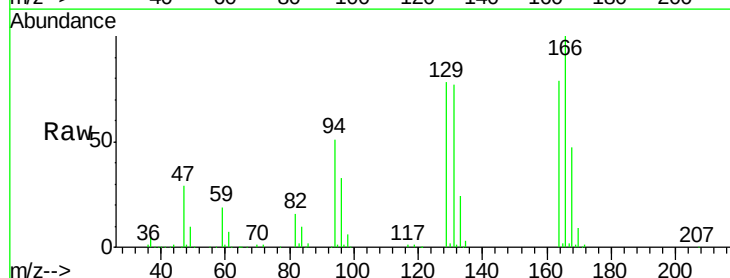
Ion Ratio Lower Upper

164 100

129 99.7 70.1 130.3

131 97.8 66.3 123.1

166 127.3 85.4 158.6

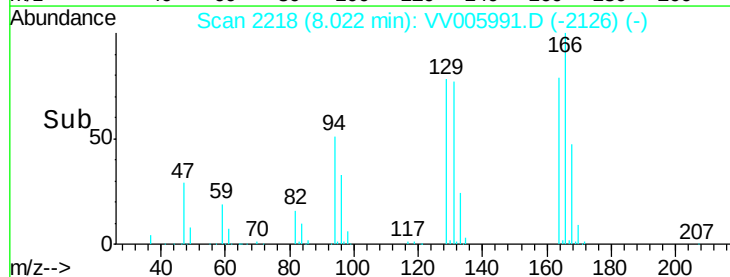
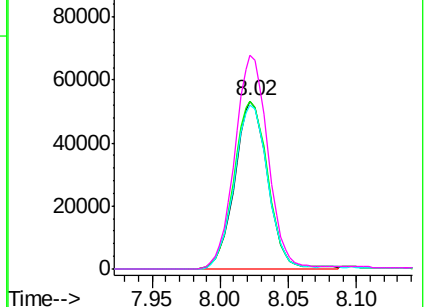


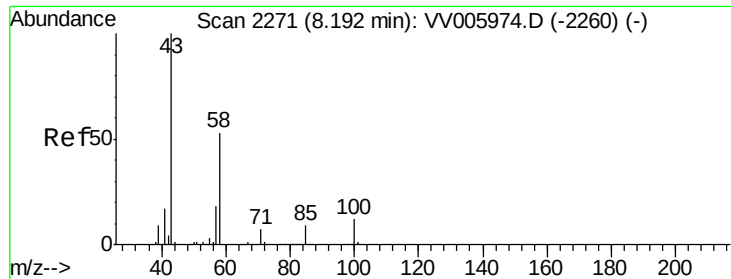
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

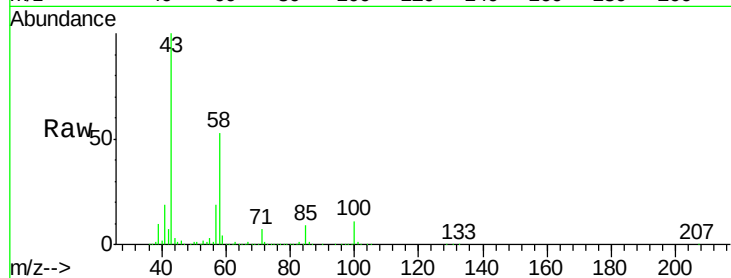
Ion 165.90 (165.60 to 166.60): V



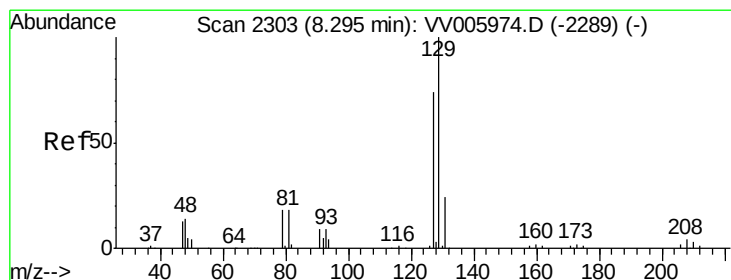
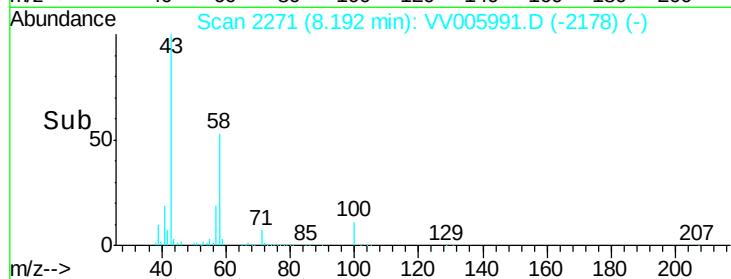
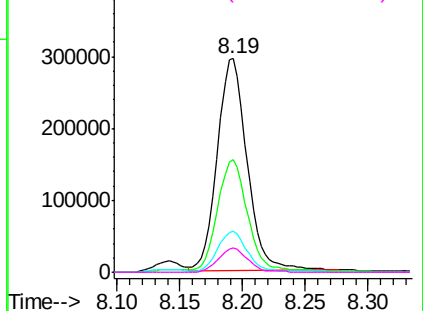


#48
2-Hexanone
Concen: 50.45 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV005991.D
Acq: 22 May 2018 11:40

Tgt Ion: 43 Resp: 489404
Ion Ratio Lower Upper
43 100
58 54.4 41.5 62.3
57 19.2 15.4 23.0
100 11.2 8.9 13.3

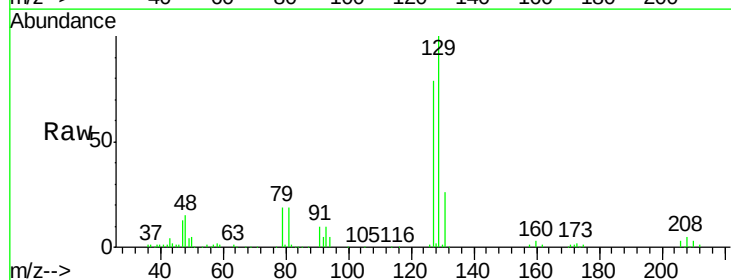


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

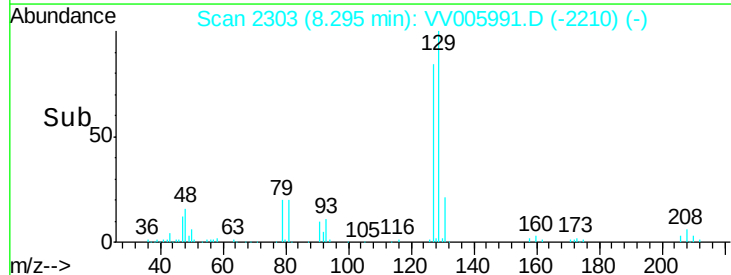
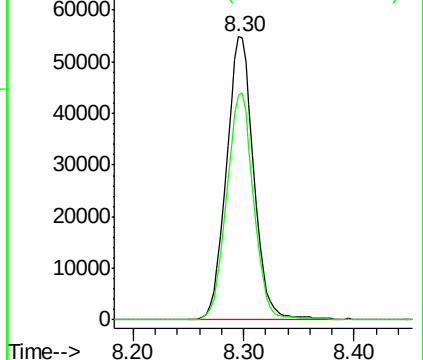


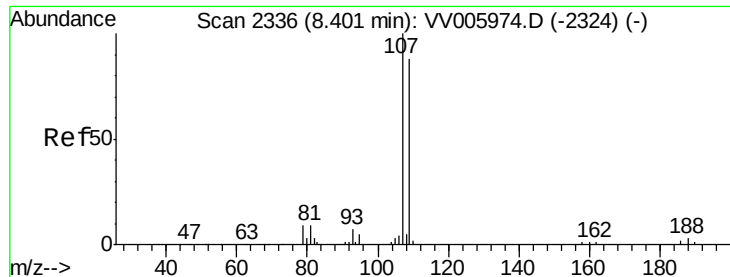
#49
Dibromochloromethane
Concen: 5.01 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV005991.D
Acq: 22 May 2018 11:40

Tgt Ion: 129 Resp: 94316
Ion Ratio Lower Upper
129 100
127 79.1 56.1 104.3



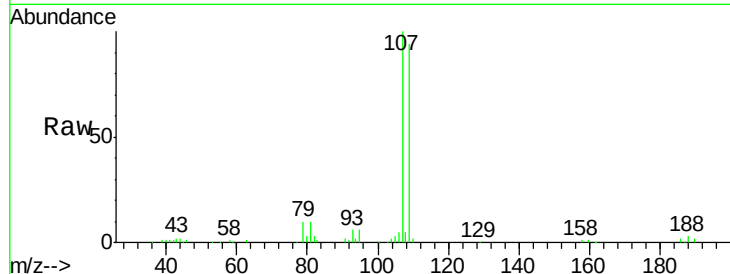
Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



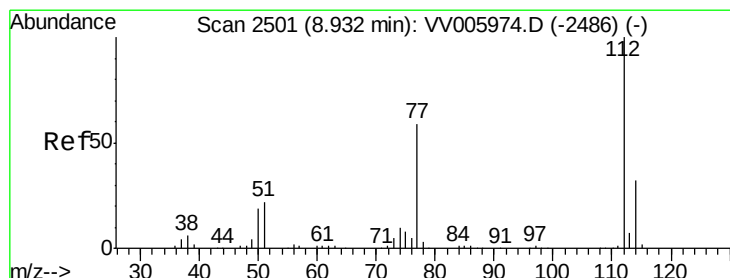
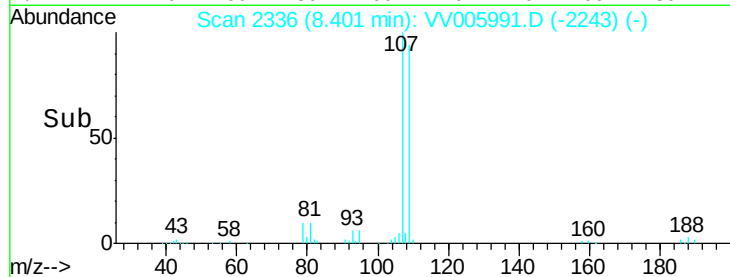
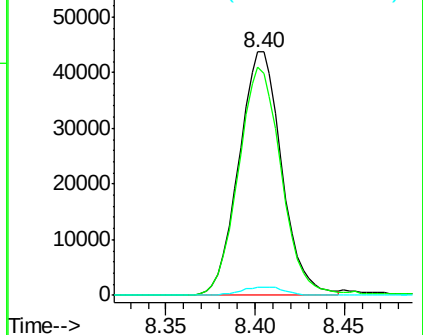


#50
1,2-Dibromoethane
Concen: 4.98 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV005991.D
Acq: 22 May 2018 11:40

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.6	64.1	119.1
188	3.1	2.6	3.8

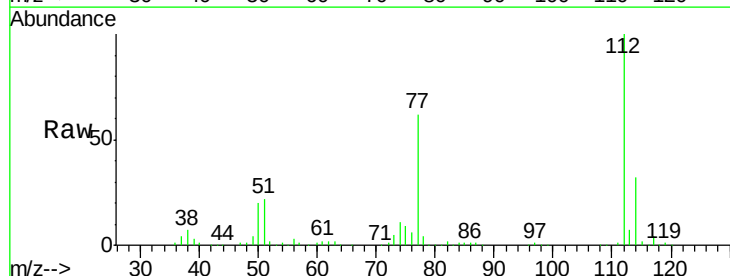


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

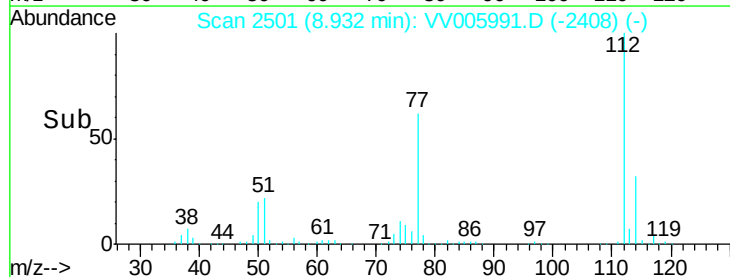
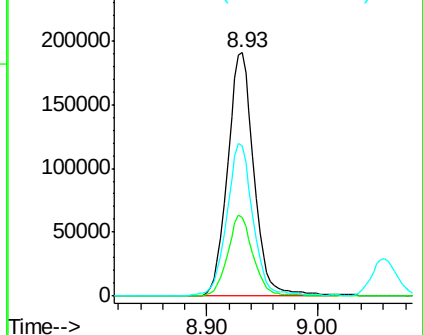


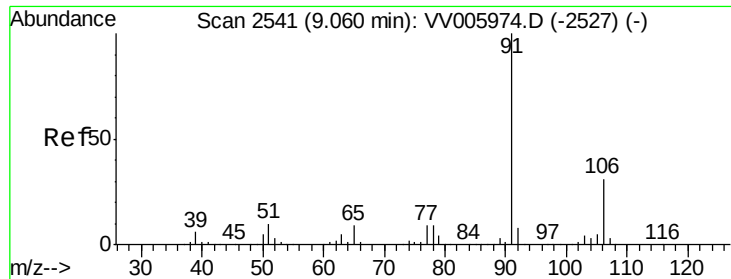
#51
Chlorobenzene
Concen: 4.90 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV005991.D
Acq: 22 May 2018 11:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.1	41.1
77	61.7	48.6	73.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.03 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV005991.D

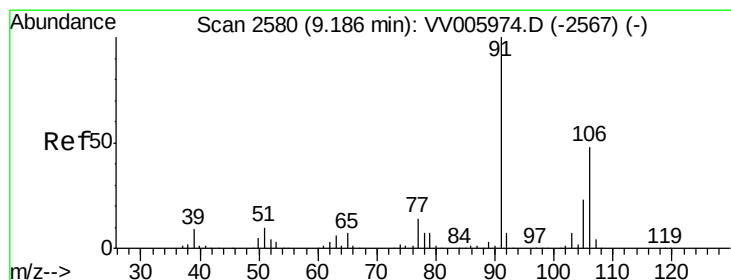
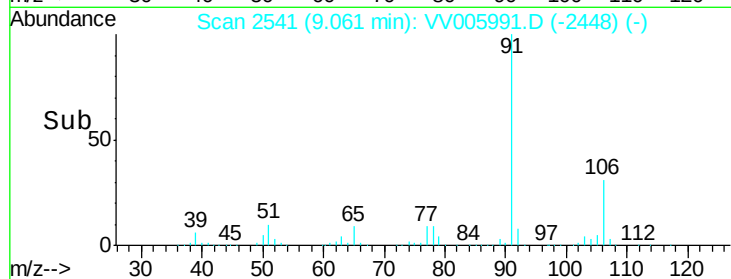
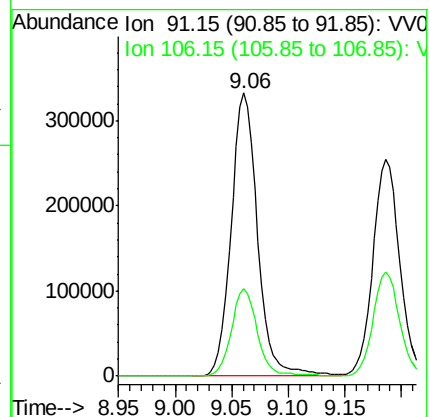
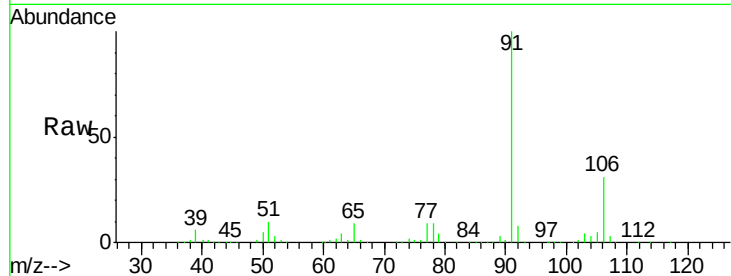
Acq: 22 May 2018 11:40

Tgt Ion: 91 Resp: 541434

Ion Ratio Lower Upper

91 100

106 30.8 21.0 39.0



#53

m,p-xylene

Concen: 5.13 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV005991.D

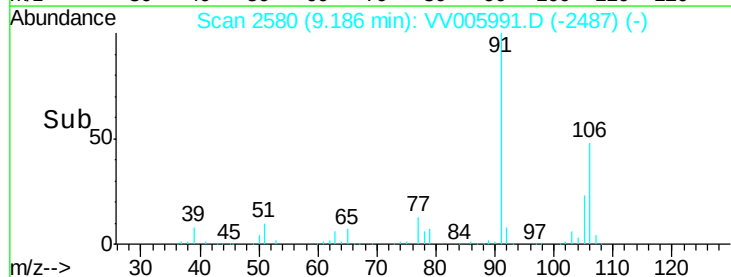
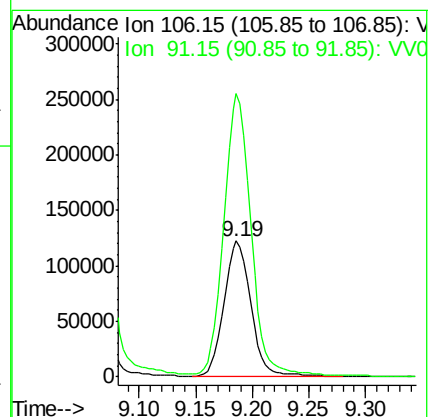
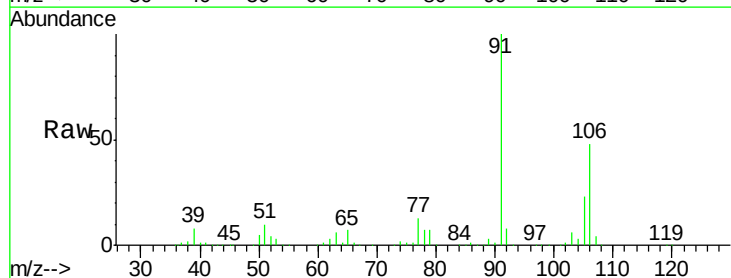
Acq: 22 May 2018 11:40

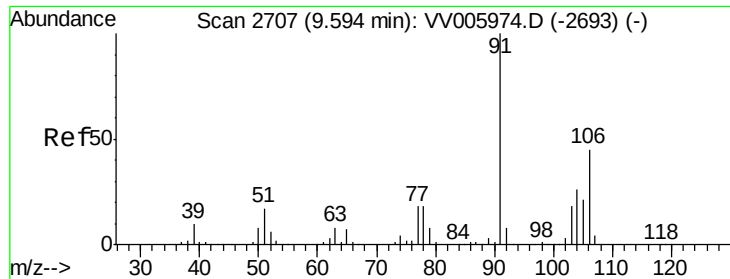
Tgt Ion: 106 Resp: 201736

Ion Ratio Lower Upper

106 100

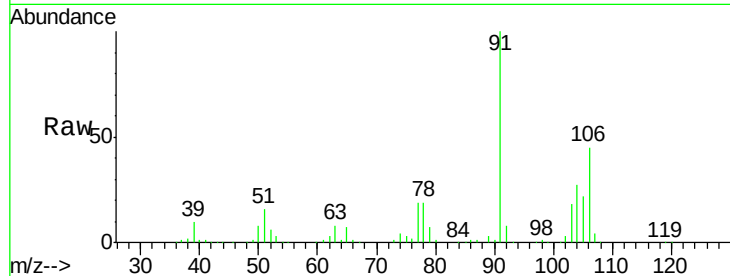
91 208.7 150.6 279.8



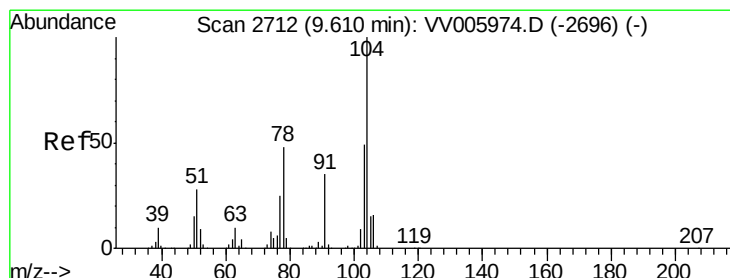
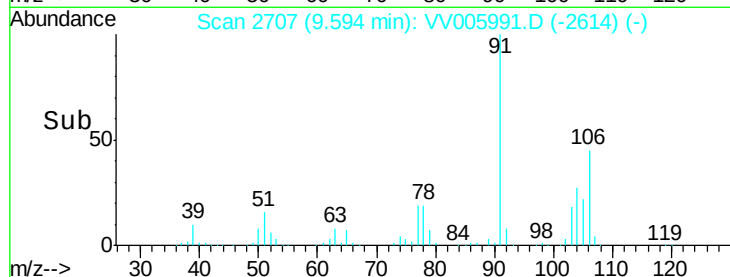
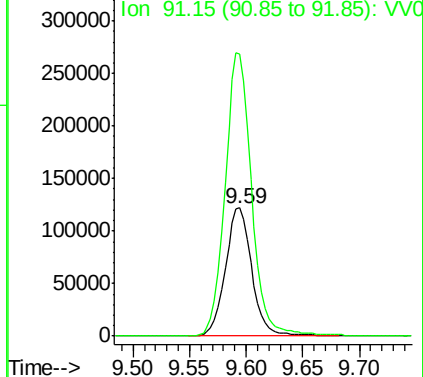


#54
o-xylene
Concen: 5.17 ug/L
RT: 9.59 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VV005991.D
Acq: 22 May 2018 11:40

Tgt Ion:106 Resp: 198804
Ion Ratio Lower Upper
106 100
91 220.0 153.8 285.6

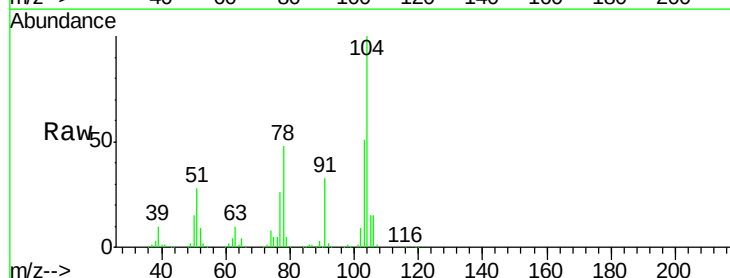


Abundance Ion 106.15 (105.85 to 106.85): VV005991.D (-2614) (-)
Ion 91.15 (90.85 to 91.85): VV005991.D (-2614) (-)

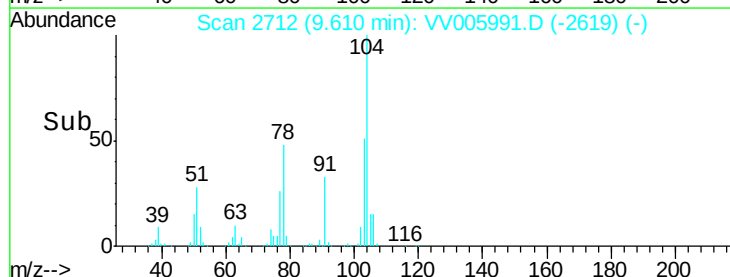
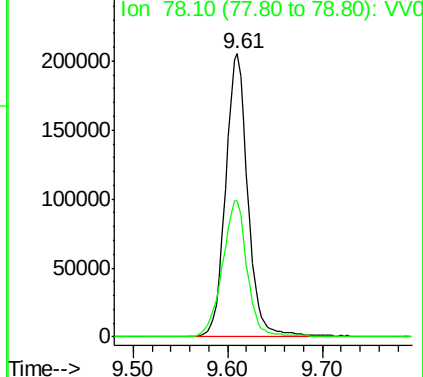


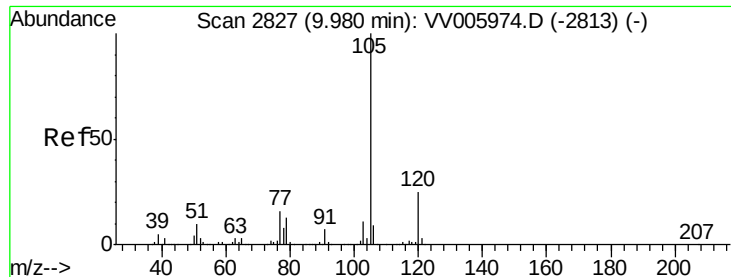
#55
Styrene
Concen: 5.25 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. 0.00 min
Lab File: VV005991.D
Acq: 22 May 2018 11:40

Tgt Ion:104 Resp: 336119
Ion Ratio Lower Upper
104 100
78 48.0 34.4 63.8



Abundance Ion 104.10 (103.80 to 104.80): VV005991.D (-2619) (-)
Ion 78.10 (77.80 to 78.80): VV005991.D (-2619) (-)





#56

Isopropylbenzene

Concen: 5.17 ug/L

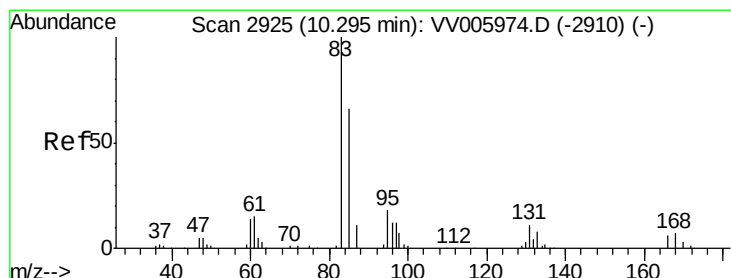
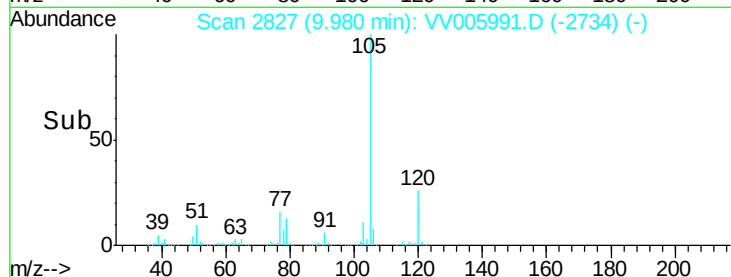
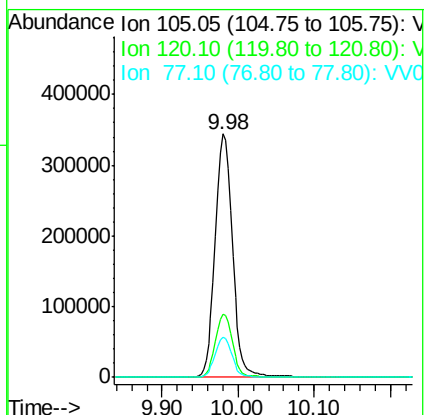
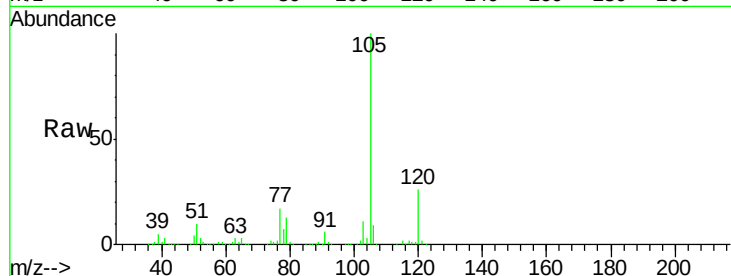
RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV005991.D

Acq: 22 May 2018 11:40

Tgt Ion:	105	Resp:	545729
Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.9	31.3
77	16.3	13.1	19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 4.90 ug/L

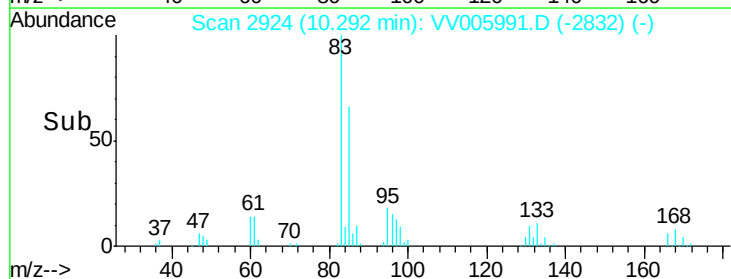
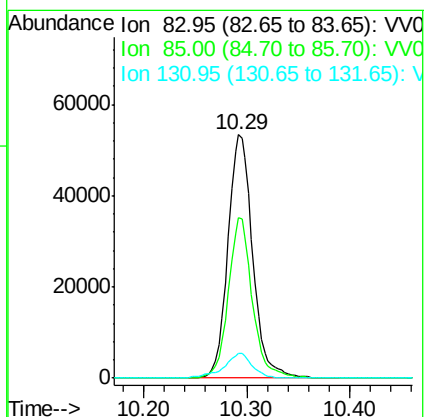
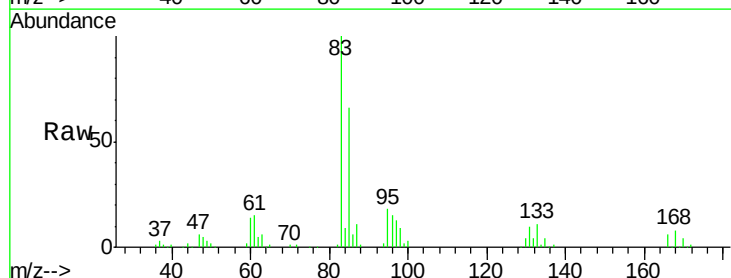
RT: 10.29 min Scan# 2924

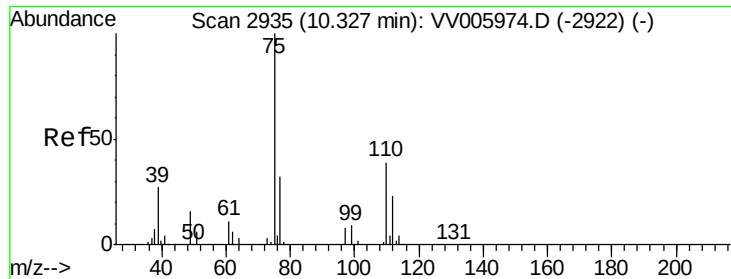
Delta R.T. -0.00 min

Lab File: VV005991.D

Acq: 22 May 2018 11:40

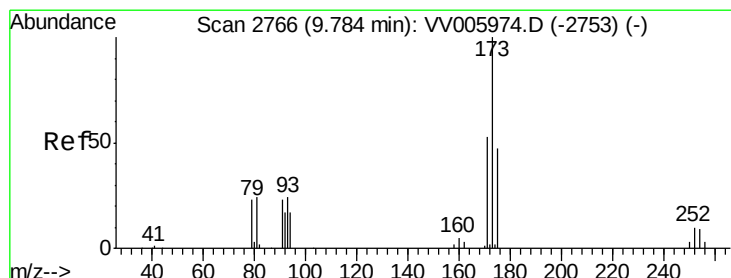
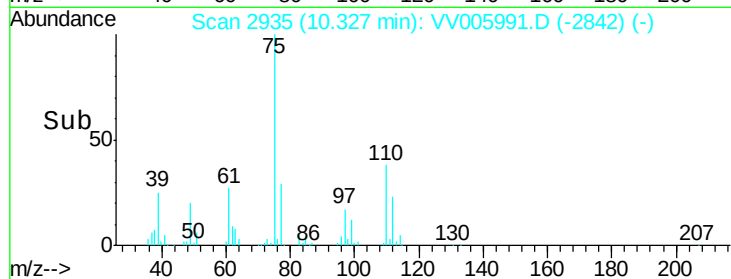
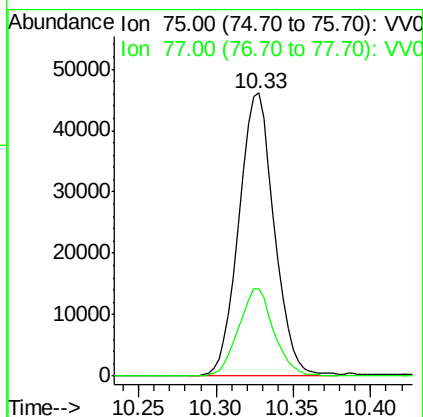
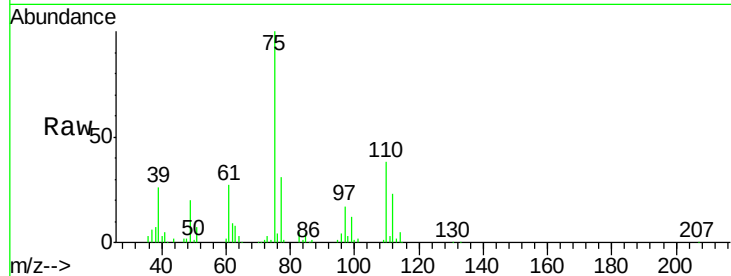
Tgt Ion:	83	Resp:	89290
Ion	Ratio	Lower	Upper
83	100		
85	66.0	44.1	81.9
131	10.0	8.0	12.0





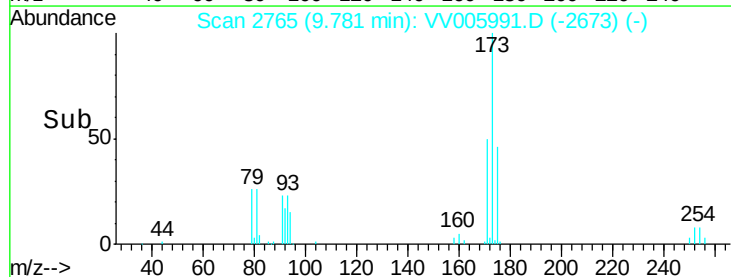
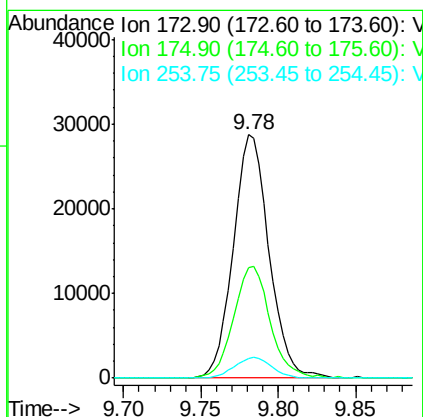
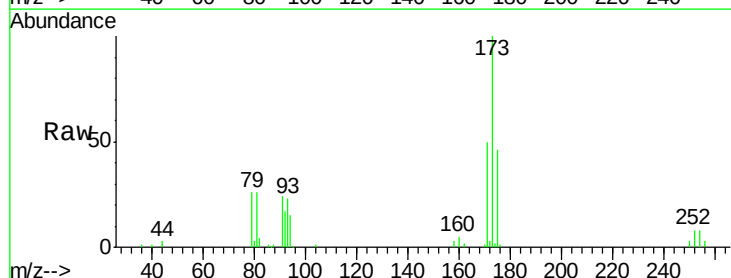
#59
 1,2,3-Trichloropropane
 Concen: 5.13 ug/L
 RT: 10.33 min Scan# 2935
 Delta R.T. 0.00 min
 Lab File: VV005991.D
 Acq: 22 May 2018 11:40

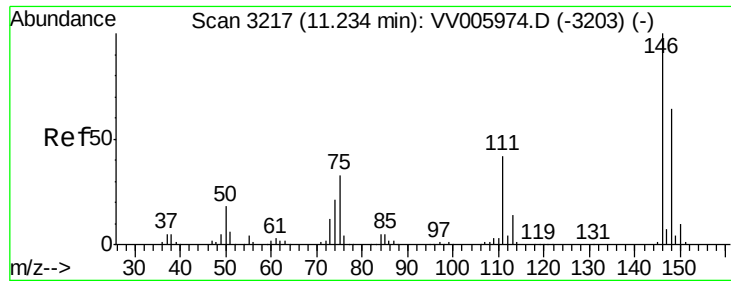
Tgt Ion: 75 Resp: 73582
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.5 38.3



#61
 Bromoform
 Concen: 5.10 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. -0.00 min
 Lab File: VV005991.D
 Acq: 22 May 2018 11:40

Tgt Ion: 173 Resp: 46072
 Ion Ratio Lower Upper
 173 100
 175 46.9 36.8 55.2
 254 8.7 6.3 9.5





#62

1,3-Dichlorobenzene

Concen: 5.06 ug/L

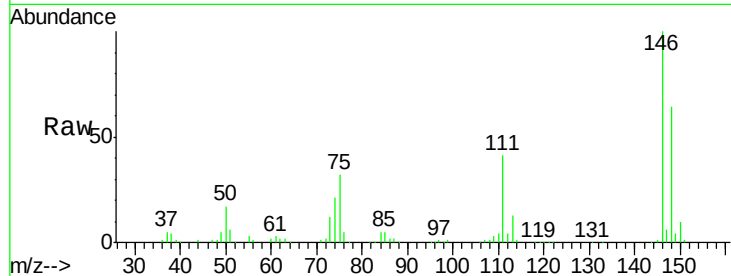
RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

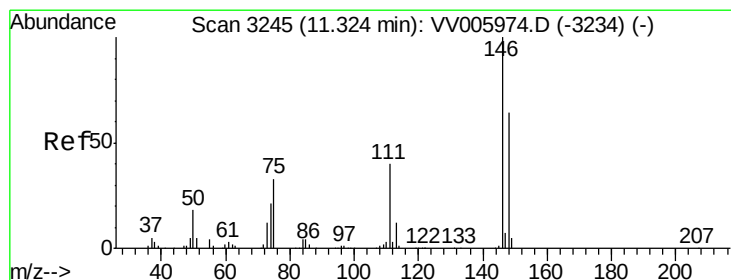
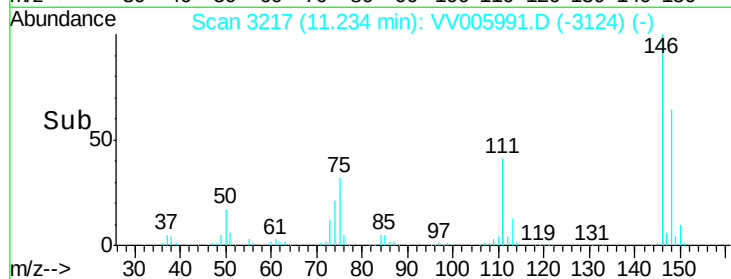
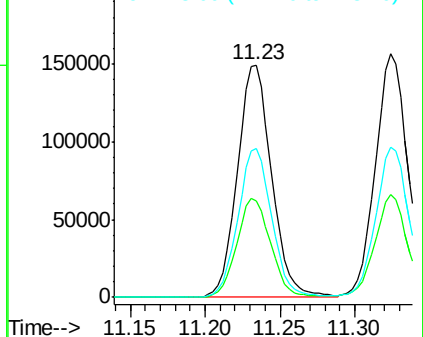
Lab File: VV005991.D

Acq: 22 May 2018 11:40

Tgt Ion:	146	Resp:	238097
Ion	Ratio	Lower	Upper
146	100		
111	41.3	29.9	55.5
148	63.8	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: 5.01 ug/L

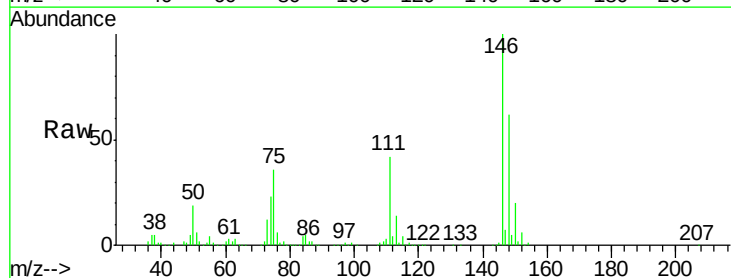
RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

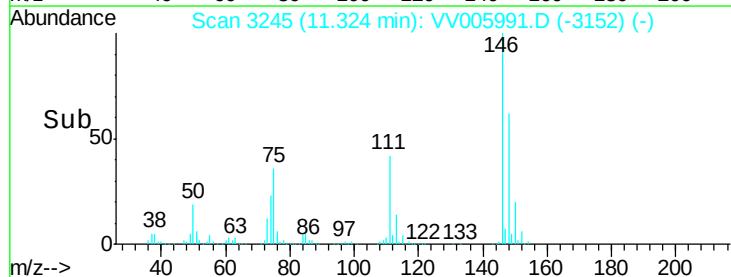
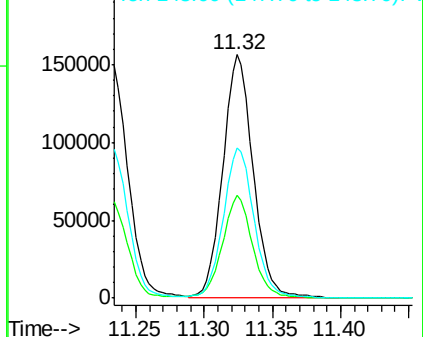
Lab File: VV005991.D

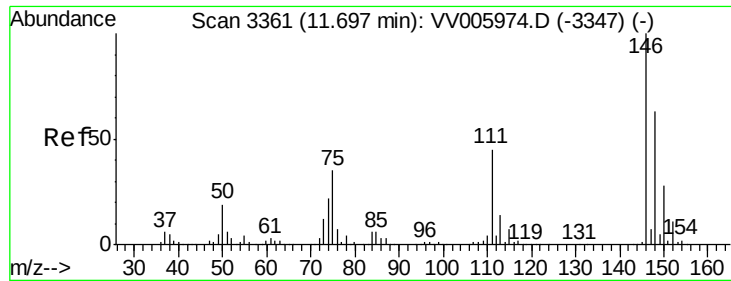
Acq: 22 May 2018 11:40

Tgt Ion:	146	Resp:	241186
Ion	Ratio	Lower	Upper
146	100		
111	42.1	28.3	52.5
148	61.7	44.9	83.5



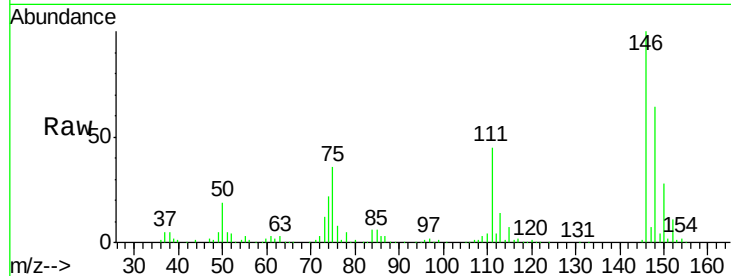
Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



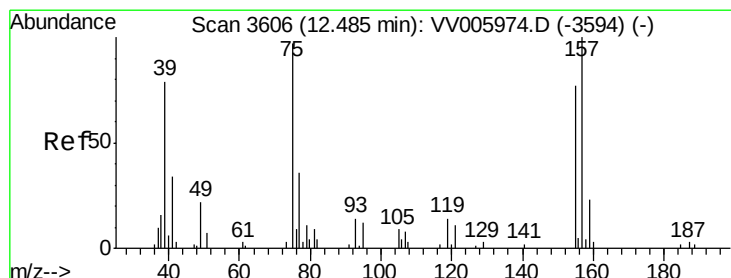
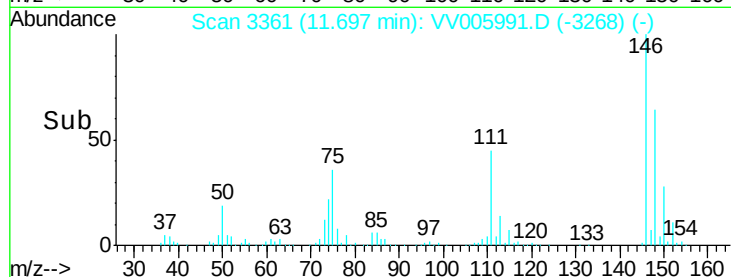
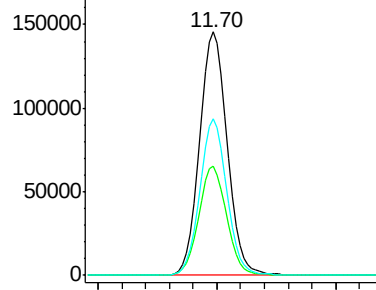


#65
 1,2-Dichlorobenzene
 Concen: 5.14 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV005991.D
 Acq: 22 May 2018 11:40

Tgt Ion: 146 Resp: 234580
 Ion Ratio Lower Upper
 146 100
 111 44.6 36.3 54.5
 148 64.1 52.6 79.0

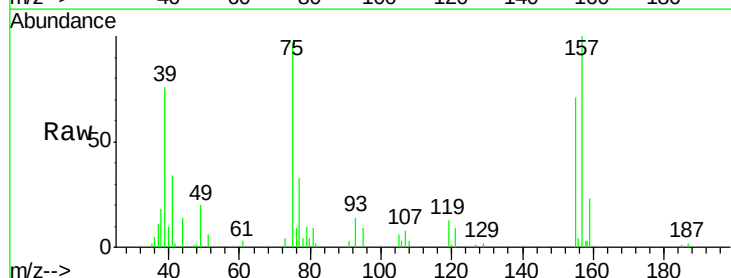


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

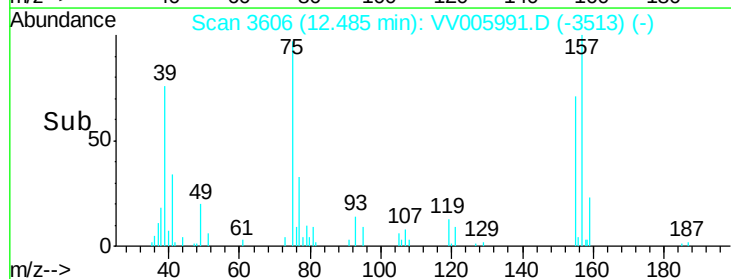
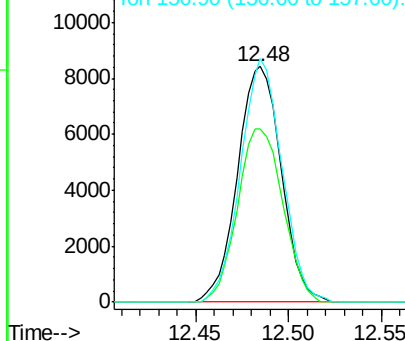


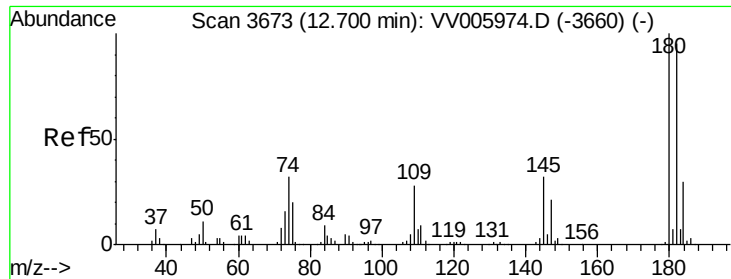
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.12 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV005991.D
 Acq: 22 May 2018 11:40

Tgt Ion: 75 Resp: 13807
 Ion Ratio Lower Upper
 75 100
 155 73.3 58.9 88.3
 157 103.3 79.0 118.6



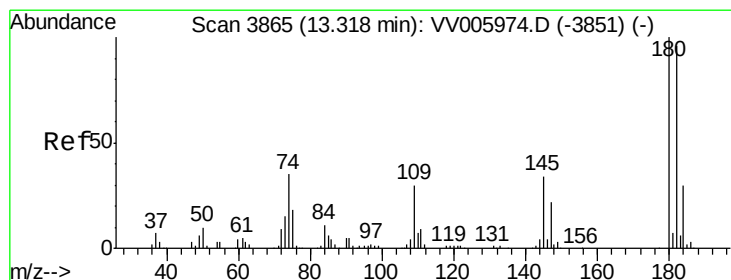
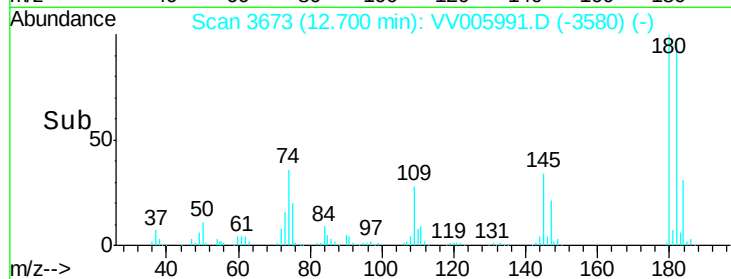
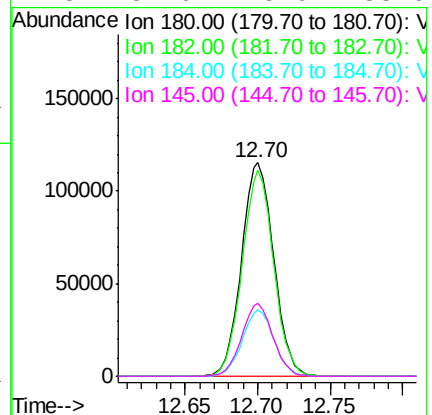
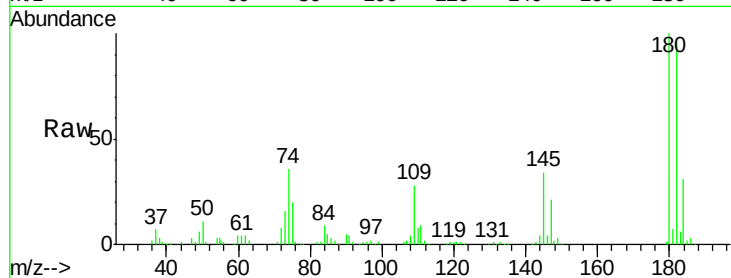
Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V





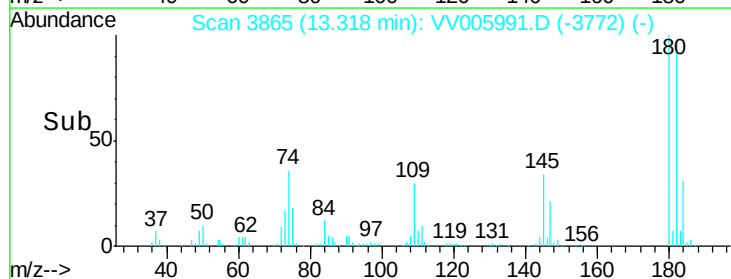
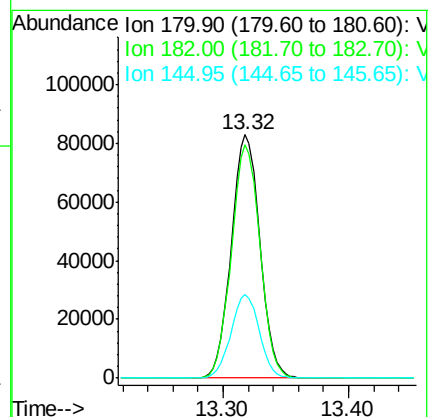
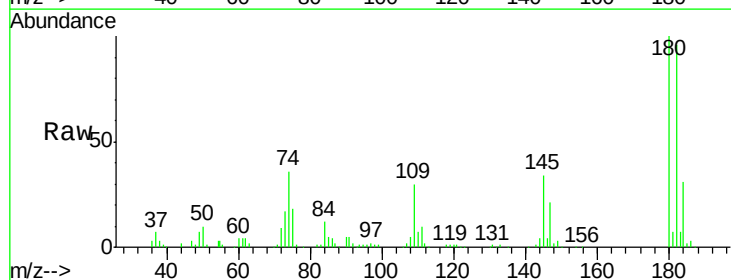
#67
 1,3,5-Trichlorobenzene
 Concen: 5.08 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV005991.D
 Acq: 22 May 2018 11:40

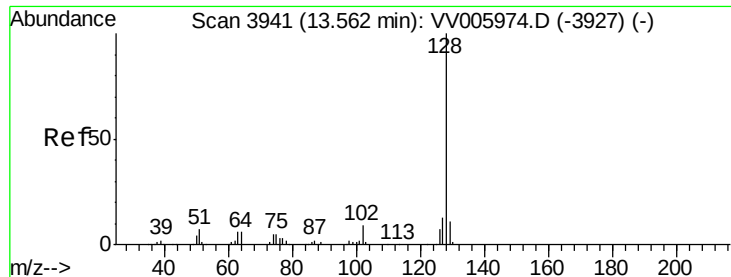
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	74.6	112.0
184	30.3	24.2	36.4
145	32.9	25.9	38.9



#68
 1,2,4-trichlorobenzene
 Concen: 4.93 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV005991.D
 Acq: 22 May 2018 11:40

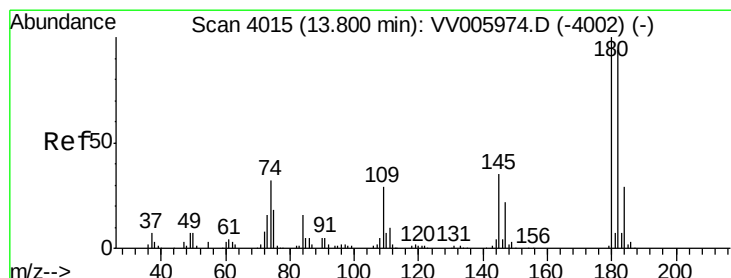
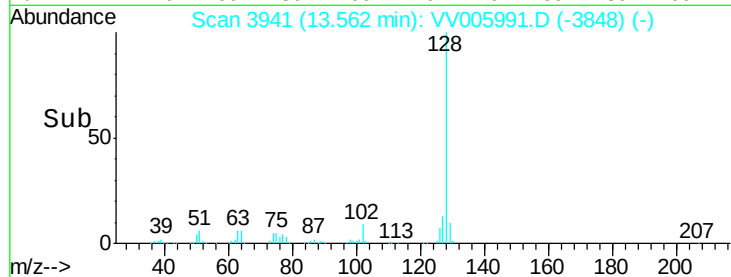
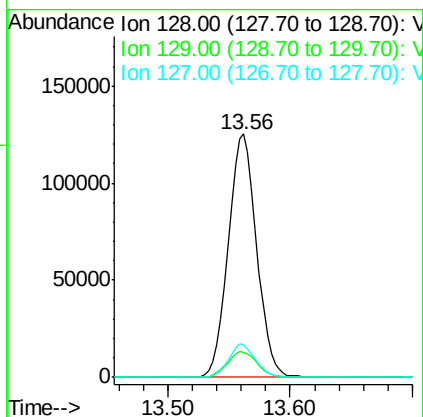
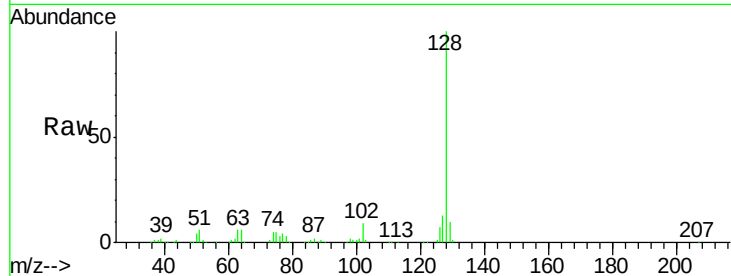
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.7	113.5
145	34.1	27.0	40.6





#69
Naphthalene
Concen: 4.90 ug/L
RT: 13.56 min Scan# 3941
Delta R.T. 0.00 min
Lab File: VV005991.D
Acq: 22 May 2018 11:40

Tgt Ion:128 Resp: 203356
Ion Ratio Lower Upper
128 100
129 10.9 8.5 12.7
127 13.2 10.6 15.8



#70
1,2,3-Trichlorobenzene
Concen: 5.06 ug/L
RT: 13.80 min Scan# 4016
Delta R.T. 0.00 min
Lab File: VV005991.D
Acq: 22 May 2018 11:40

Tgt Ion:180 Resp: 128171
Ion Ratio Lower Upper
180 100
182 94.7 75.0 112.4
145 35.0 27.3 40.9

