

Data File : VV006088.D
Acq On : 27 May 2018 15:36
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 28 00:42:20 2018
Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVLM052718WMA.M
Quant Title : VOC Analysis
QLast Update : Mon May 28 00:22:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	265727	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	246868	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	134006	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111885	50.36	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	100.72%		
7) Chloroethane-d5	1.55	69	38315	47.41	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.82%		
11) 1,1-Dichloroethene-d2	2.12	63	200931	49.83	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	99.66%		
21) 2-Butanone-d5	3.95	46	130119	115.94	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	115.94%		
24) Chloroform-d	4.41	84	199267	51.12	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.24%		
26) 1,2-Dichloroethane-d4	5.09	65	129632	51.26	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.52%		
32) Benzene-d6	5.10	84	410030	51.41	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.82%		
36) 1,2-Dichloropropane-d6	6.12	67	134778	51.23	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.46%		
41) Toluene-d8	7.36	98	389782	52.63	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.26%		
43) trans-1,3-Dichloropropene-	7.67	79	60894	53.77	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	107.54%		
47) 2-Hexanone-d5	8.14	63	114524	111.34	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	111.34%		
57) 1,1,2,2-Tetrachloroethane-	10.27	84	197139	52.72	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	105.44%		
64) 1,2-Dichlorobenzene-d4	11.68	152	173933	51.82	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.64%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	103027	49.33	ug/L	# 83
3) Chloromethane	1.26	50	117331	51.39	ug/L	100
5) Vinyl chloride	1.32	62	115054	49.35	ug/L	100
6) Bromomethane	1.51	94	44266	51.34	ug/L	95
8) Chloroethane	1.57	64	27494	44.27	ug/L	98
9) Trichlorofluoromethane	1.74	101	148447	48.34	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	92304	48.62	ug/L	99
12) 1,1-Dichloroethene	2.13	96	84359	48.84	ug/L	98
13) Acetone	2.20	43	119883	96.27	ug/L	100
14) Carbon disulfide	2.31	76	239553	50.15	ug/L	99
15) Methyl Acetate	2.46	43	111036	48.23	ug/L	100
16) Methylene chloride	2.53	84	96447	49.20	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	90256	49.25	ug/L	98
18) Methyl tert-butyl Ether	2.81	73	299251	49.09	ug/L	99
19) 1,1-Dichloroethane	3.23	63	172185	49.08	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	99887	50.54	ug/L	100
22) 2-Butanone	4.04	43	160187	99.31	ug/L	100

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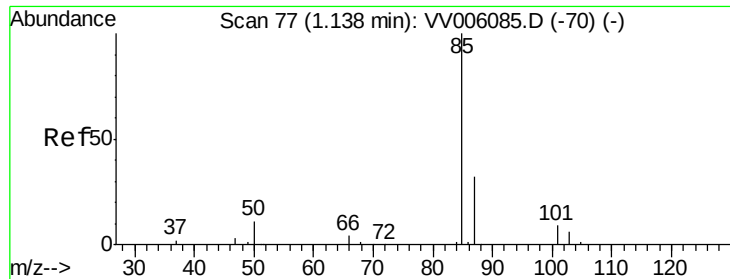
Quant Time: May 28 00:42:20 2018
Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVLM052718WMA.M
Quant Title : VOC Analysis
QLast Update : Mon May 28 00:22:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	50386	49.74	ug/L	99
25) Chloroform	4.43	83	170685	49.96	ug/L	99
27) 1,2-Dichloroethane	5.19	62	136855	49.86	ug/L	99
29) Cyclohexane	4.72	56	155236	50.90	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	142916	50.16	ug/L	98
31) Carbon tetrachloride	4.88	117	124186	50.09	ug/L	100
33) Benzene	5.15	78	380936	49.03	ug/L	100
34) Trichloroethene	5.96	95	93860	48.16	ug/L	98
35) Methylcyclohexane	6.18	83	160253	50.75	ug/L	98
37) 1,2-Dichloropropane	6.23	63	102045	48.16	ug/L	100
38) Bromodichloromethane	6.56	83	122354	49.85	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	153931	52.25	ug/L	97
40) 4-Methyl-2-pentanone	7.29	43	286742	103.34	ug/L	99
42) Toluene	7.44	91	403490	50.71	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	142491	52.44	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	95234	48.89	ug/L	99
46) Tetrachloroethene	8.02	164	80632	49.59	ug/L	98
48) 2-Hexanone	8.20	43	241901	105.34	ug/L	99
49) Dibromochloromethane	8.30	129	102063	50.66	ug/L	99
50) 1,2-Dibromoethane	8.40	107	98111	50.65	ug/L	99
51) Chlorobenzene	8.93	112	262003	49.87	ug/L	99
52) Ethylbenzene	9.06	91	440352	51.38	ug/L	99
53) m,p-Xylene	9.19	106	166595	51.68	ug/L	99
54) o-xylene	9.59	106	166430	51.60	ug/L	100
55) Styrene	9.61	104	288635	53.28	ug/L	99
56) Isopropylbenzene	9.98	105	439201	52.75	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.30	83	172901	50.39	ug/L	100
59) 1,2,3-Trichloropropane	10.33	75	133170	50.48	ug/L	99
61) Bromoform	9.79	173	78780	49.19	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	216655	50.21	ug/L	99
63) 1,4-Dichlorobenzene	11.33	146	226257	50.09	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	239901	50.30	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	31912	51.77	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	174385	52.00	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	144282	54.20	ug/L	99
69) Naphthalene	13.56	128	399184	57.55	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	156439	54.99	ug/L	100

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

ALS Vial : 7 Sample Multiplier: 1

Response via : Initial Calibration



#2

Dichlorodifluoromethane

Concen: 49.33 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV006088.D

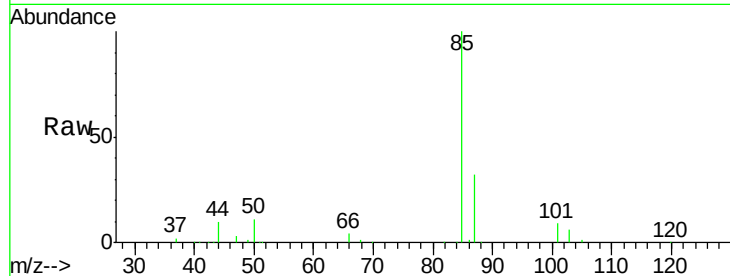
Acq: 27 May 2018 15:36

Tgt Ion: 85 Resp: 103027

Ion Ratio Lower Upper

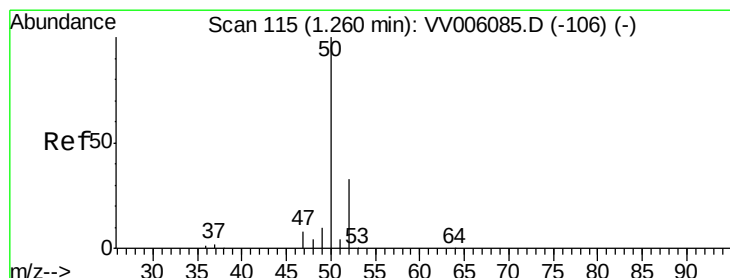
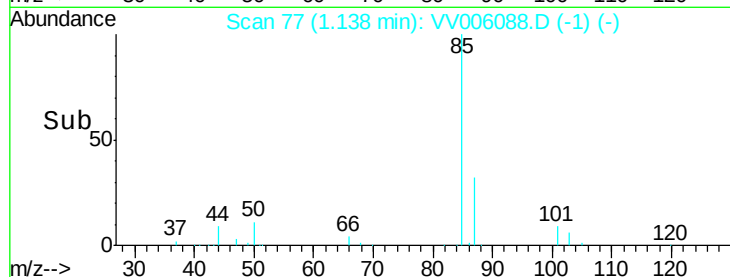
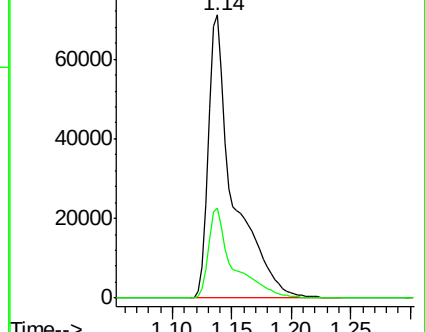
85 100

87 31.4 18.6 28.0#



Abundance Ion 85.00 (84.70 to 85.70): VV006088.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006088.D (-70) (-)



#3

Chloromethane

Concen: 51.39 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV006088.D

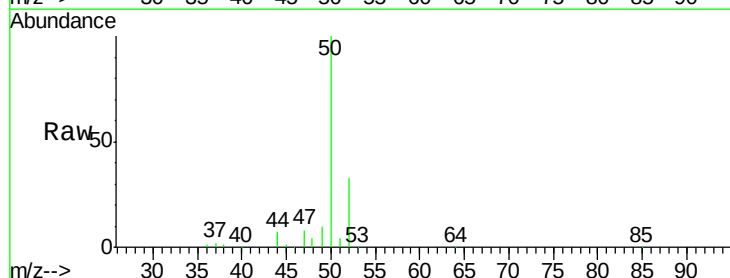
Acq: 27 May 2018 15:36

Tgt Ion: 50 Resp: 117331

Ion Ratio Lower Upper

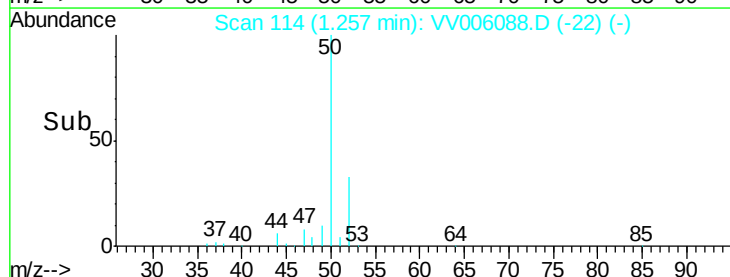
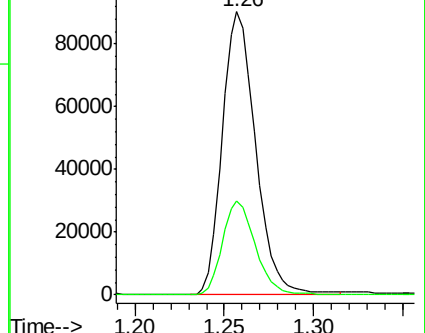
50 100

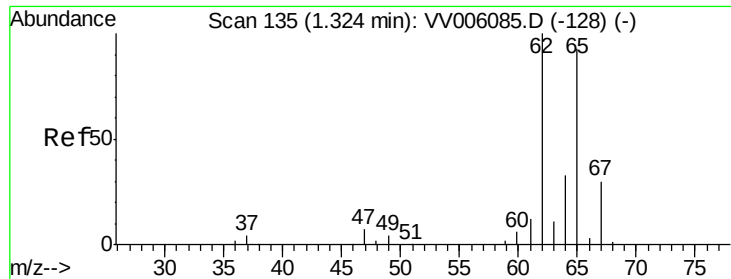
52 33.0 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV006088.D (-106) (-)

Ion 52.00 (51.70 to 52.70): VV006088.D (-106) (-)





#5

Vinyl chloride

Concen: 49.35 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006088.D

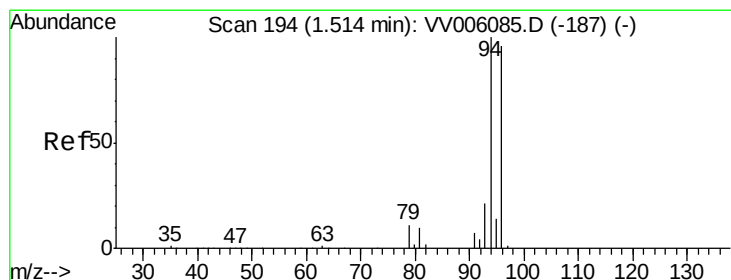
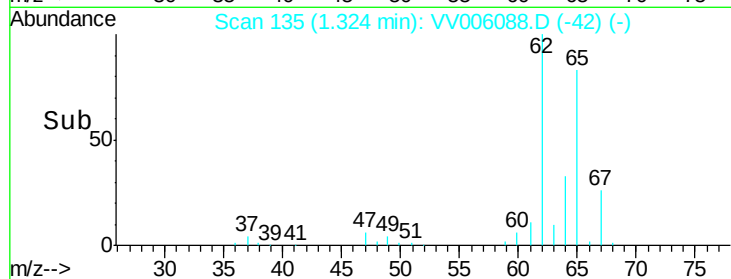
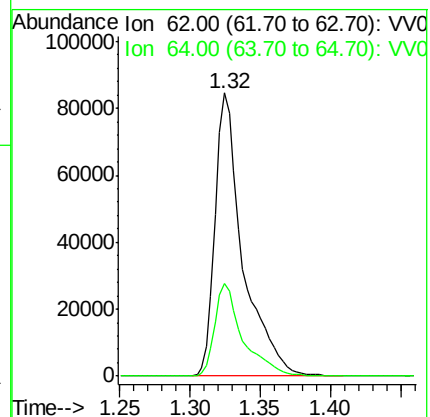
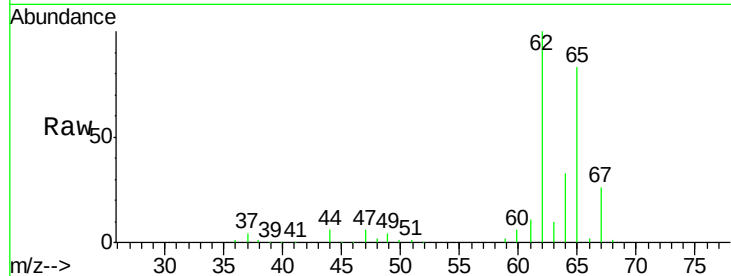
Acq: 27 May 2018 15:36

Tgt Ion: 62 Resp: 115054

Ion Ratio Lower Upper

62 100

64 32.9 23.1 42.9



#6

Bromomethane

Concen: 51.34 ug/L

RT: 1.51 min Scan# 194

Delta R.T. 0.00 min

Lab File: VV006088.D

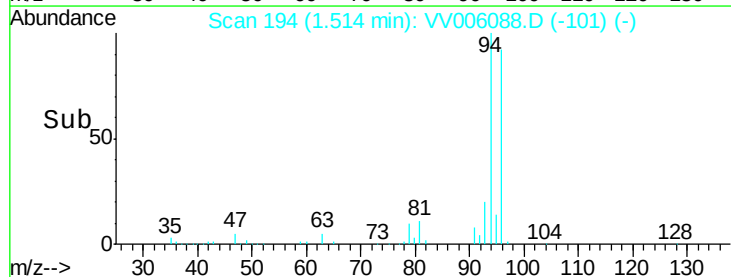
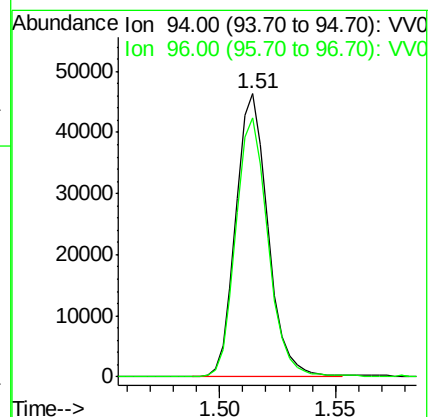
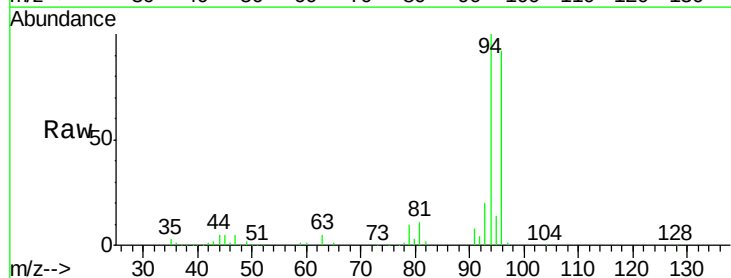
Acq: 27 May 2018 15:36

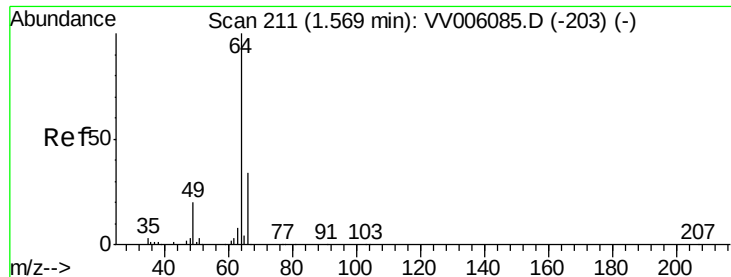
Tgt Ion: 94 Resp: 44266

Ion Ratio Lower Upper

94 100

96 91.7 67.3 125.1





#8

Chloroethane

Concen: 44.27 ug/L

RT: 1.57 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV006088.D

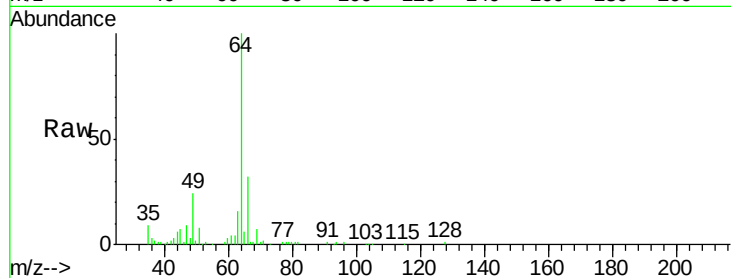
Acq: 27 May 2018 15:36

Tgt Ion: 64 Resp: 27494

Ion Ratio Lower Upper

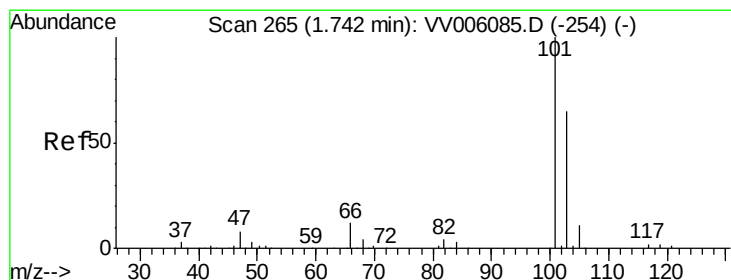
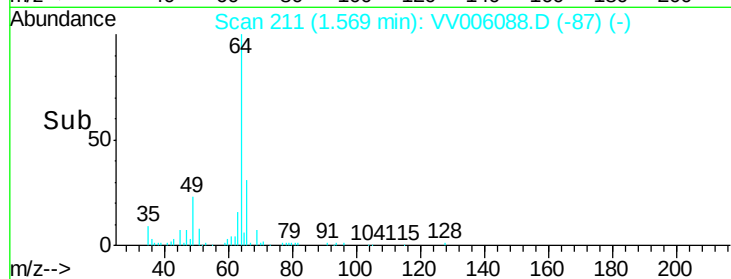
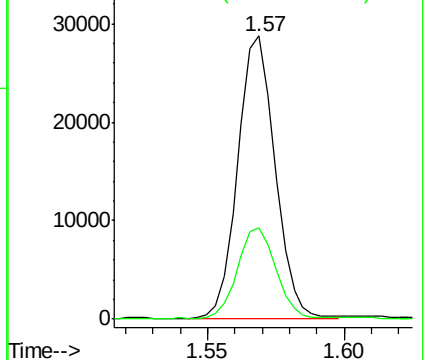
64 100

66 32.4 23.4 43.6



Abundance Ion 64.00 (63.70 to 64.70): VV006088.D (-203) (-)

Ion 66.00 (65.70 to 66.70): VV006088.D (-203) (-)



#9

Trichlorofluoromethane

Concen: 48.34 ug/L

RT: 1.74 min Scan# 265

Delta R.T. 0.00 min

Lab File: VV006088.D

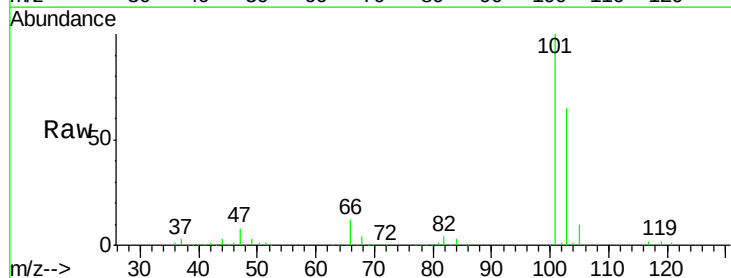
Acq: 27 May 2018 15:36

Tgt Ion: 101 Resp: 148447

Ion Ratio Lower Upper

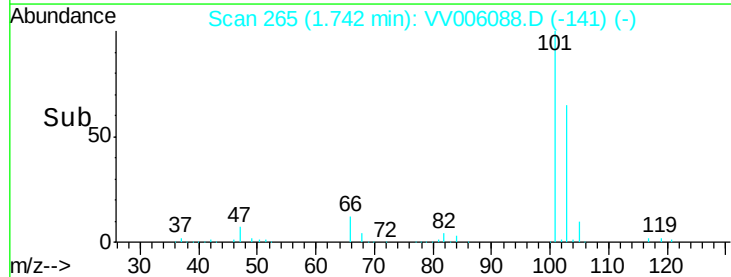
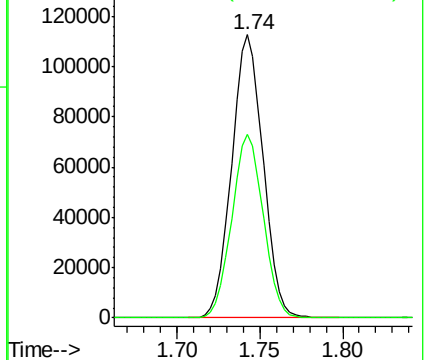
101 100

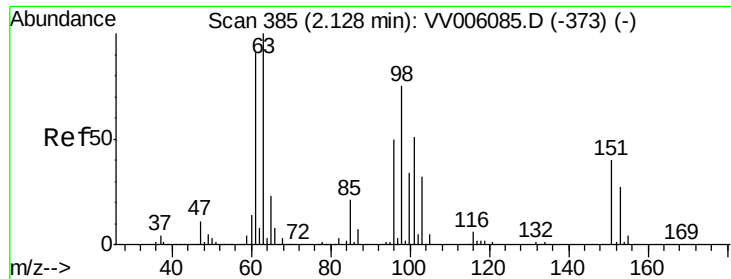
103 64.7 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VV006088.D (-254) (-)

Ion 103.00 (102.70 to 103.70): VV006088.D (-254) (-)





#10

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

Concen: 48.62 ug/L

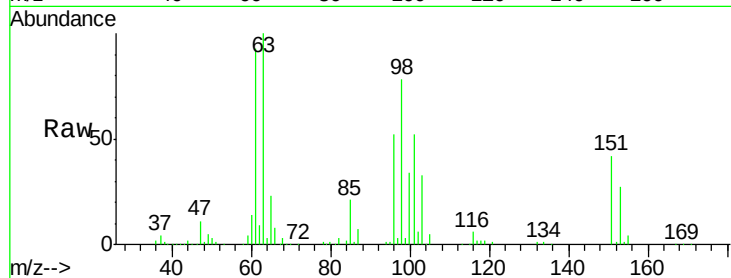
RT: 2.13 min Scan# 385

Delta R.T. 0.00 min

Lab File: VV006088.D

Acq: 27 May 2018 15:36

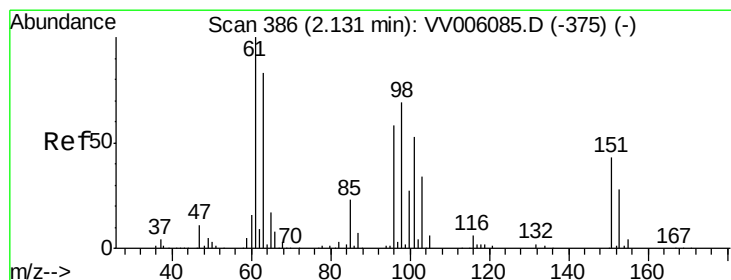
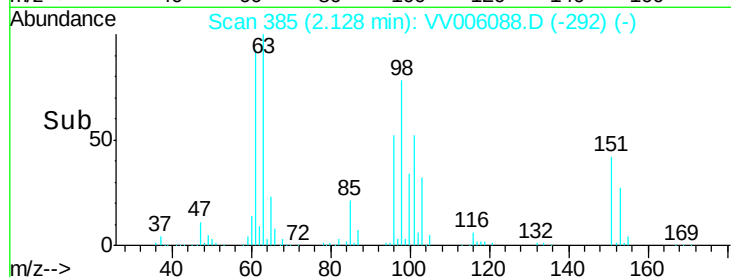
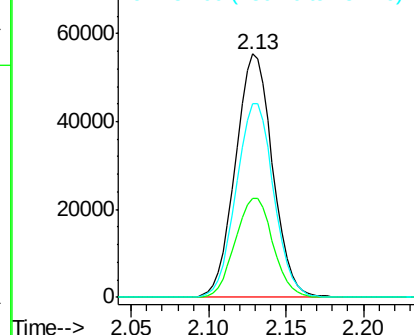
Tgt Ion:	101	Resp:	92304
Ion	Ratio	Lower	Upper
101	100		
85	41.4	34.0	51.0
151	80.6	64.7	97.1



Abundance Ion 101.00 (100.70 to 101.70): VV006088.D (-292) (-)

Ion 85.00 (84.70 to 85.70): VV006088.D (-292) (-)

Ion 151.00 (150.70 to 151.70): VV006088.D (-292) (-)



#12

1,1-Dichloroethene

Concen: 48.84 ug/L

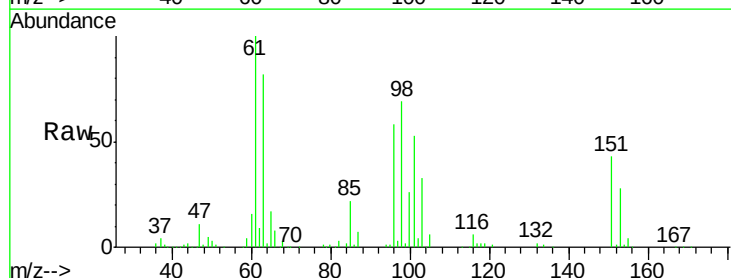
RT: 2.13 min Scan# 386

Delta R.T. 0.00 min

Lab File: VV006088.D

Acq: 27 May 2018 15:36

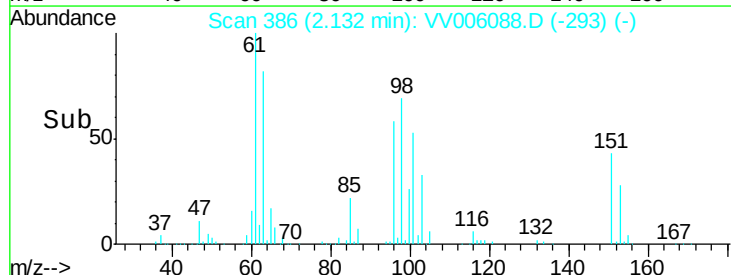
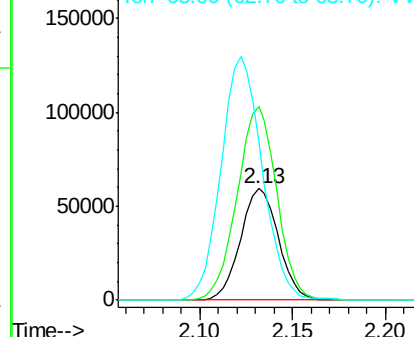
Tgt Ion:	96	Resp:	84359
Ion	Ratio	Lower	Upper
96	100		
61	173.4	120.5	223.9
63	142.1	103.3	191.9

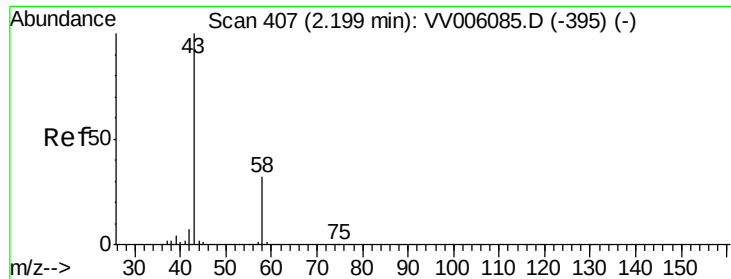


Abundance Ion 96.00 (95.70 to 96.70): VV006088.D (-293) (-)

Ion 61.00 (60.70 to 61.70): VV006088.D (-293) (-)

Ion 63.00 (62.70 to 63.70): VV006088.D (-293) (-)





#13

Acetone

Concen: 96.27 ug/L

RT: 2.20 min Scan# 407

Delta R.T. 0.00 min

Lab File: VV006088.D

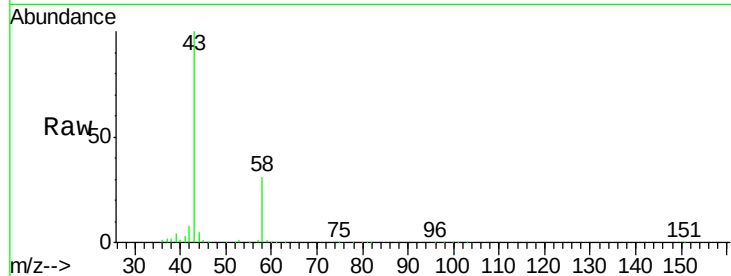
Acq: 27 May 2018 15:36

Tgt Ion: 43 Resp: 119883

Ion Ratio Lower Upper

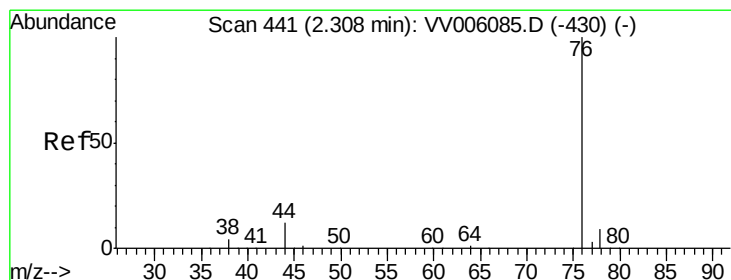
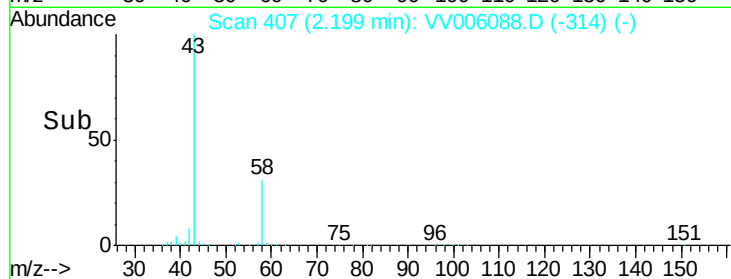
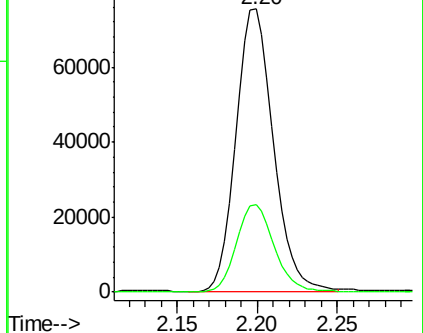
43 100

58 31.5 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV006088.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VV006088.D (-314) (-)



#14

Carbon disulfide

Concen: 50.15 ug/L

RT: 2.31 min Scan# 441

Delta R.T. 0.00 min

Lab File: VV006088.D

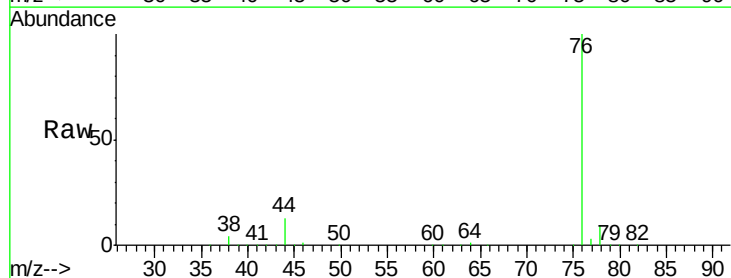
Acq: 27 May 2018 15:36

Tgt Ion: 76 Resp: 239553

Ion Ratio Lower Upper

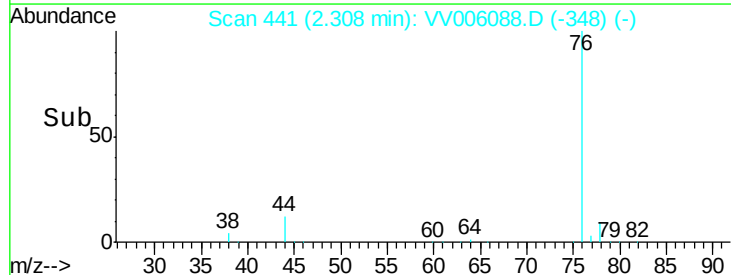
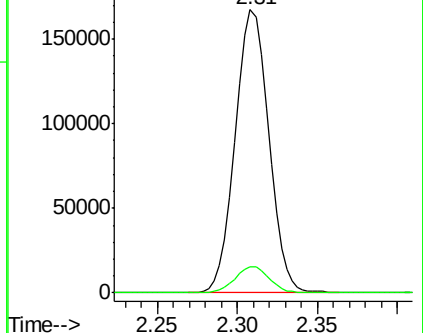
76 100

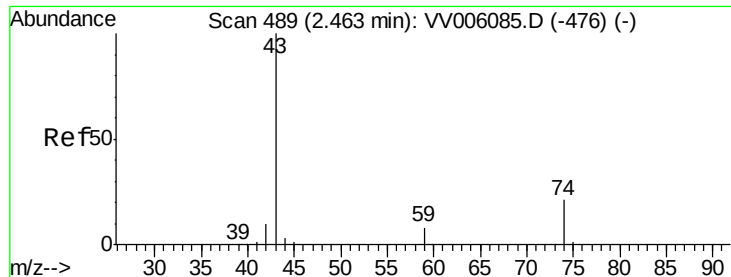
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV006088.D (-348) (-)

Ion 78.00 (77.70 to 78.70): VV006088.D (-348) (-)





#15

Methyl Acetate

Concen: 48.23 ug/L

RT: 2.46 min Scan# 489

Delta R.T. 0.00 min

Lab File: VV006088.D

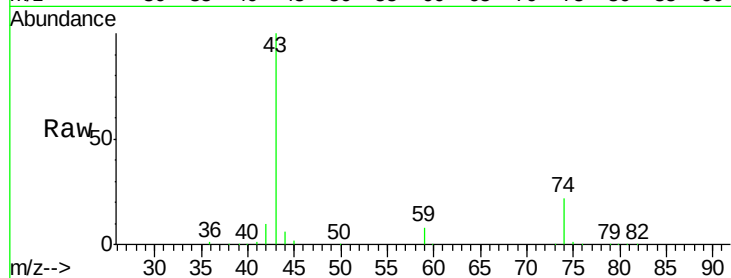
Acq: 27 May 2018 15:36

Tgt Ion: 43 Resp: 111036

Ion Ratio Lower Upper

43 100

74 21.8 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VV006088.D (-396) (-)

Ion 74.00 (73.70 to 74.70): VV006088.D (-396) (-)

2.46

80000

60000

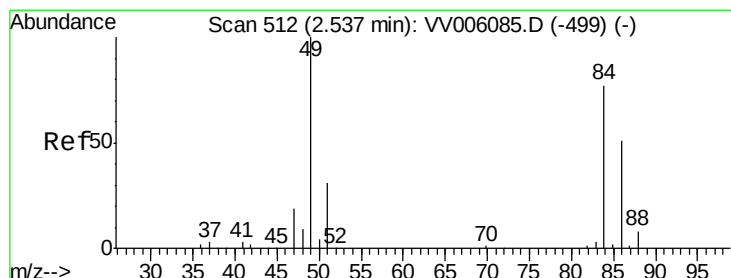
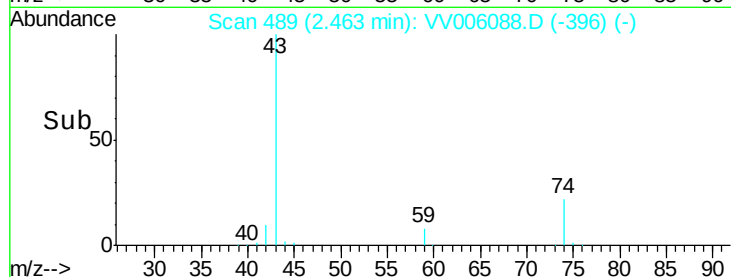
40000

20000

0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 49.20 ug/L

RT: 2.53 min Scan# 511

Delta R.T. -0.00 min

Lab File: VV006088.D

Acq: 27 May 2018 15:36

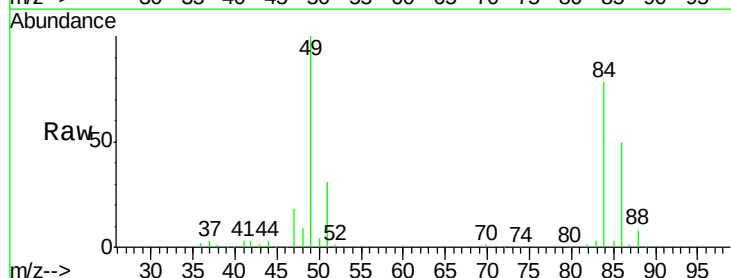
Tgt Ion: 84 Resp: 96447

Ion Ratio Lower Upper

84 100

86 63.8 46.3 85.9

49 128.8 90.7 168.5



Abundance Ion 84.00 (83.70 to 84.70): VV006088.D (-419) (-)

Ion 86.00 (85.70 to 86.70): VV006088.D (-419) (-)

Ion 49.00 (48.70 to 49.70): VV006088.D (-419) (-)

100000

80000

60000

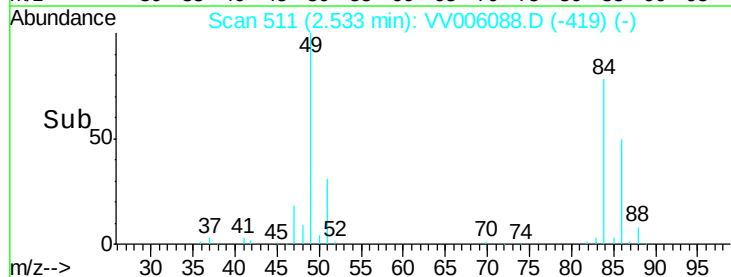
40000

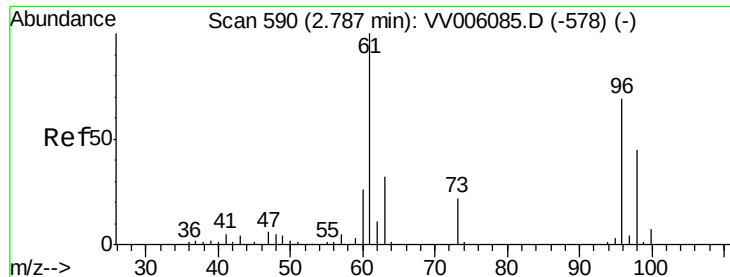
20000

0

Time-->

2.45 2.50 2.55 2.60 2.65





#17

trans-1,2-Dichloroethene

Concen: 49.25 ug/L

RT: 2.79 min Scan# 590

Delta R.T. 0.00 min

Lab File: VV006088.D

Acq: 27 May 2018 15:36

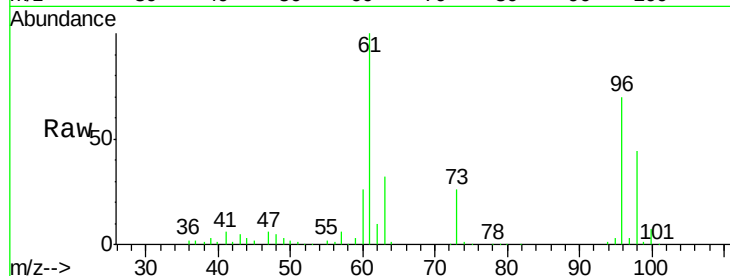
Tgt Ion: 96 Resp: 90256

Ion Ratio Lower Upper

96 100

61 143.0 102.1 189.5

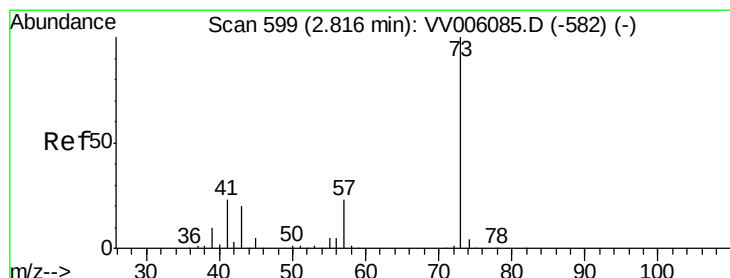
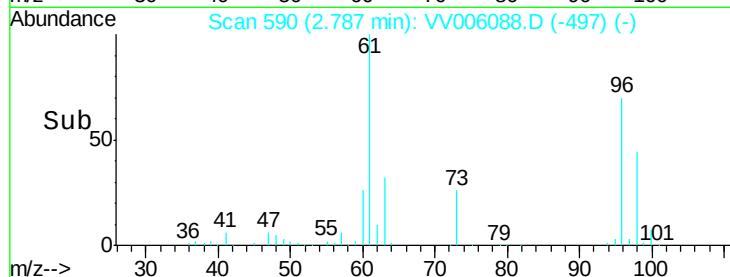
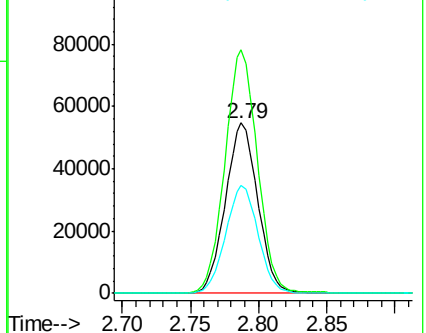
98 63.3 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VV006088.D (-497) (-)

Ion 61.00 (60.70 to 61.70): VV006088.D (-497) (-)

Ion 98.00 (97.70 to 98.70): VV006088.D (-497) (-)



#18

Methyl tert-butyl Ether

Concen: 49.09 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV006088.D

Acq: 27 May 2018 15:36

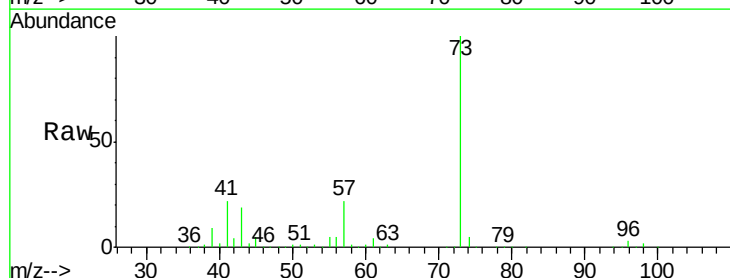
Tgt Ion: 73 Resp: 299251

Ion Ratio Lower Upper

73 100

43 19.3 15.9 23.9

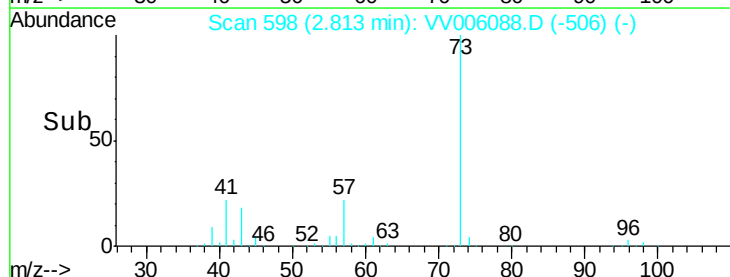
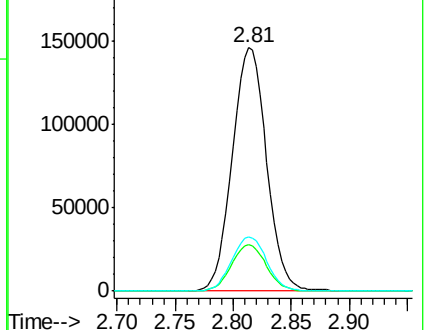
57 22.8 18.2 27.4

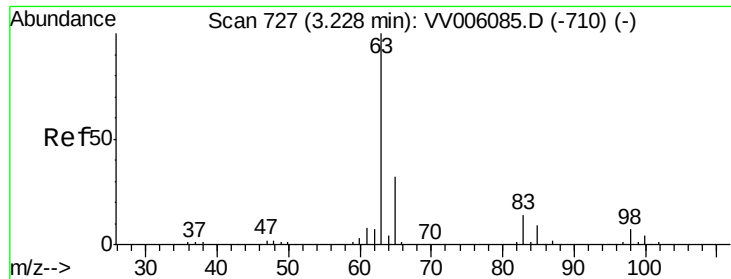


Abundance Ion 73.00 (72.70 to 73.70): VV006088.D (-506) (-)

Ion 43.00 (42.70 to 43.70): VV006088.D (-506) (-)

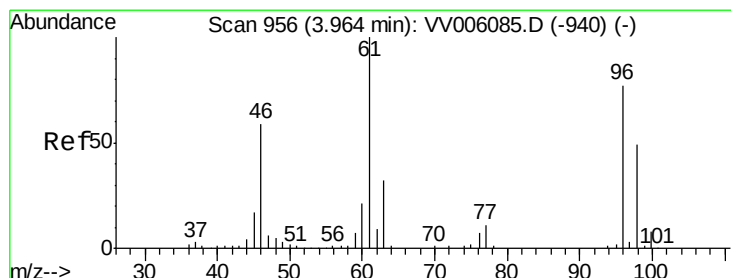
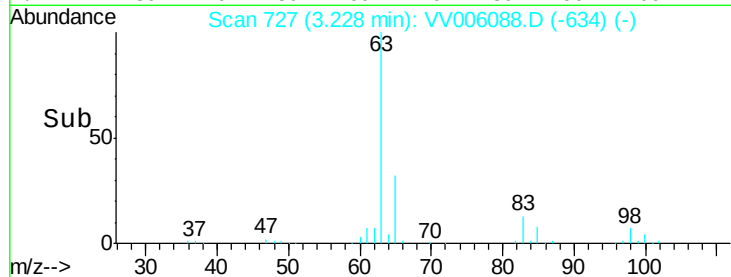
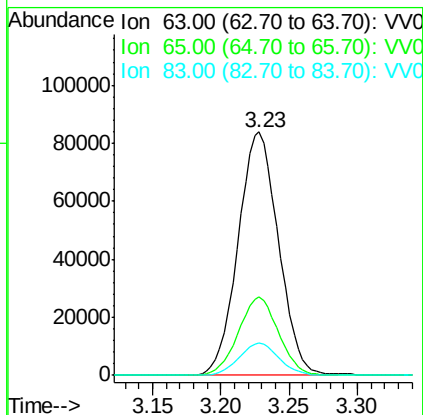
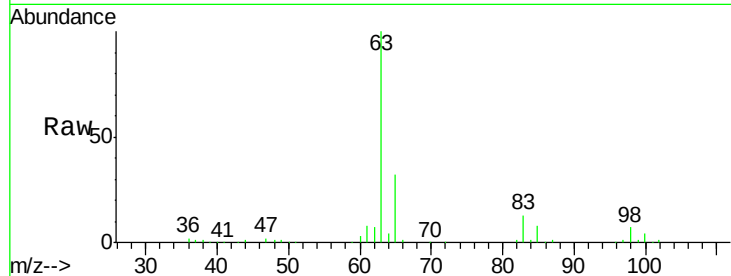
Ion 57.00 (56.70 to 57.70): VV006088.D (-506) (-)





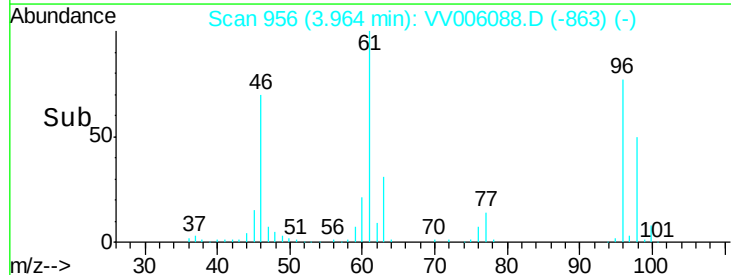
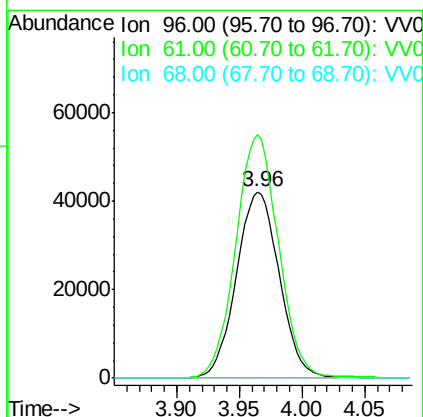
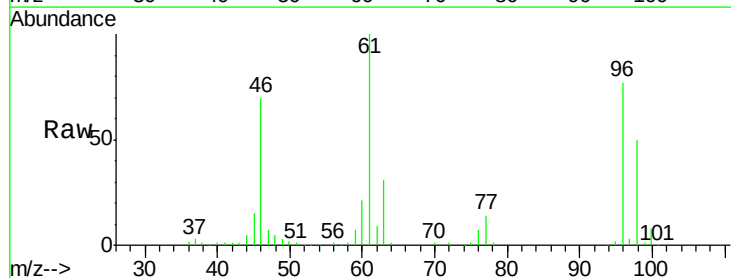
#19
 1,1-Dichloroethane
 Concen: 49.08 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VV006088.D
 Acq: 27 May 2018 15:36

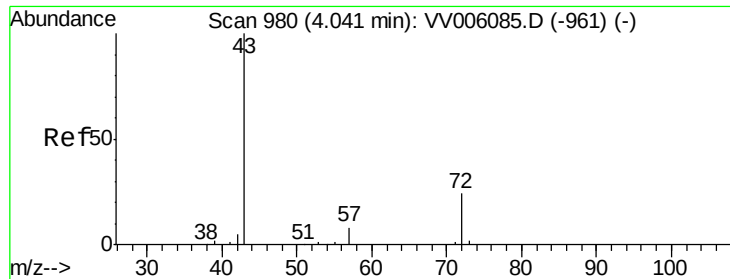
Tgt Ion: 63 Resp: 172185
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.3 41.5
 83 13.2 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 50.54 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VV006088.D
 Acq: 27 May 2018 15:36

Tgt Ion: 96 Resp: 99887
 Ion Ratio Lower Upper
 96 100
 61 130.6 91.7 170.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 99.31 ug/L

RT: 4.04 min Scan# 979

Delta R.T. -0.00 min

Lab File: VV006088.D

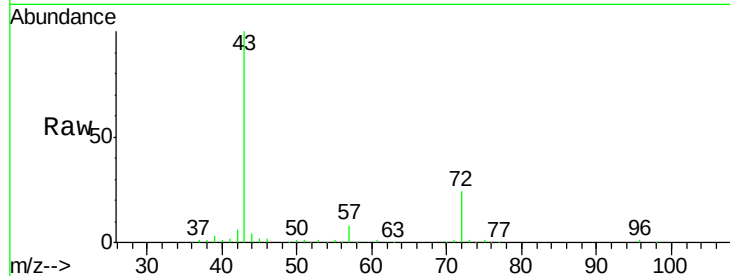
Acq: 27 May 2018 15:36

Tgt Ion: 43 Resp: 160187

Ion Ratio Lower Upper

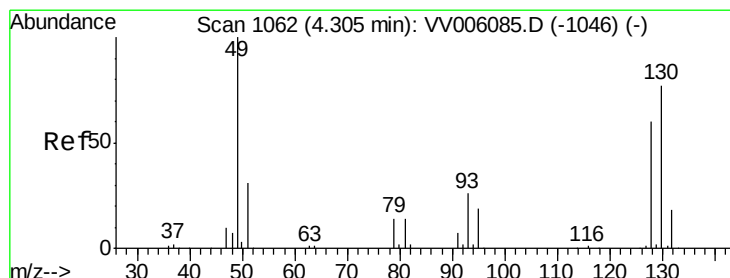
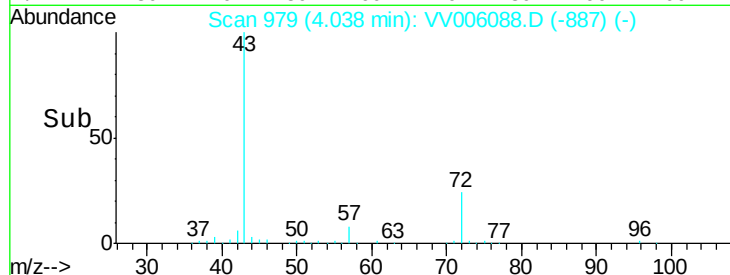
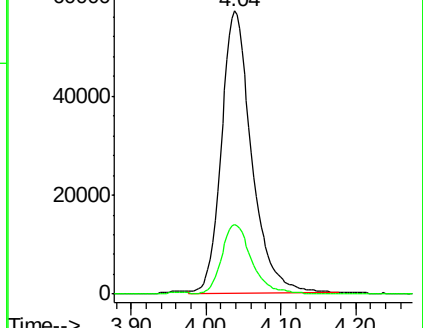
43 100

72 23.6 11.9 35.5



Abundance Ion 43.00 (42.70 to 43.70): VV006088.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VV006088.D (-961) (-)



#23

Bromochloromethane

Concen: 49.74 ug/L

RT: 4.30 min Scan# 1061

Delta R.T. -0.00 min

Lab File: VV006088.D

Acq: 27 May 2018 15:36

Tgt Ion: 128 Resp: 50386

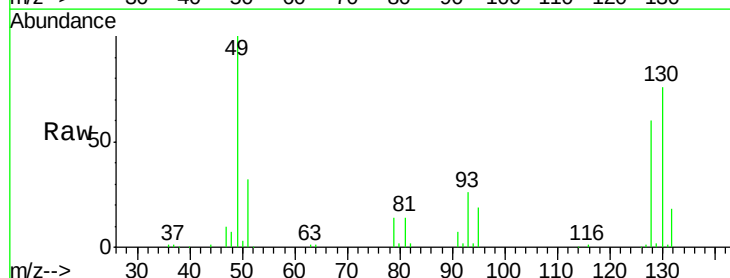
Ion Ratio Lower Upper

128 100

49 167.9 118.1 219.3

130 128.4 90.1 167.3

51 54.3 41.9 62.9

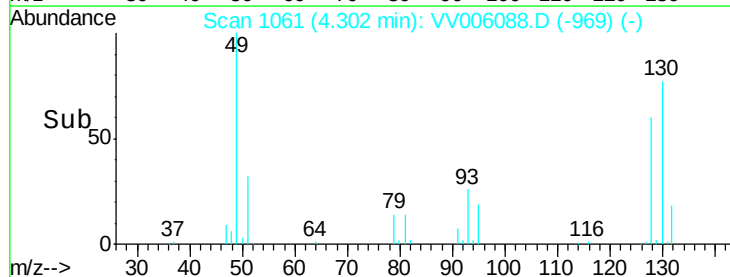
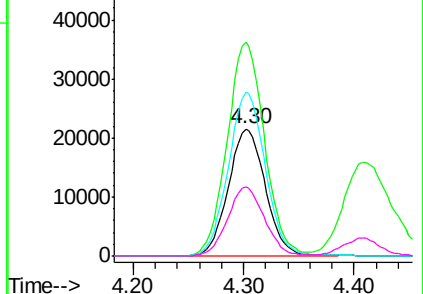


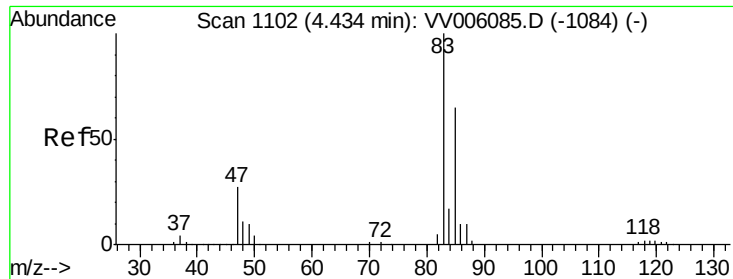
Abundance Ion 128.00 (127.70 to 128.70): VV006088.D (-969) (-)

Ion 49.00 (48.70 to 49.70): VV006088.D (-969) (-)

Ion 130.00 (129.70 to 130.70): VV006088.D (-969) (-)

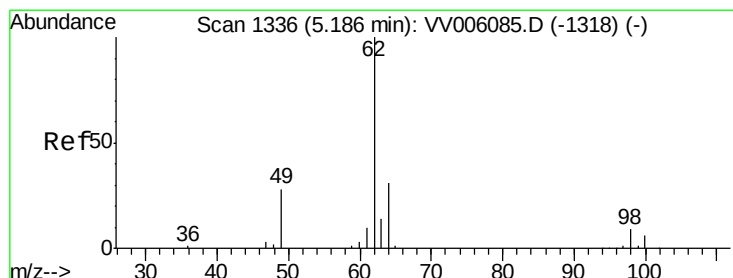
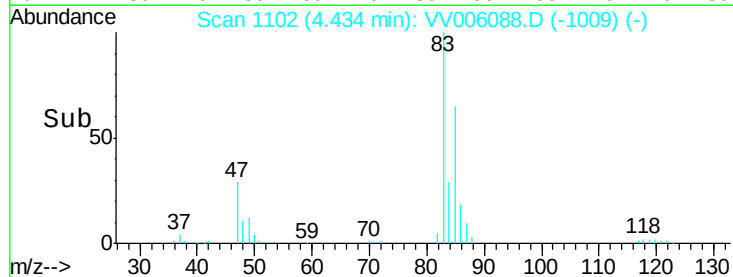
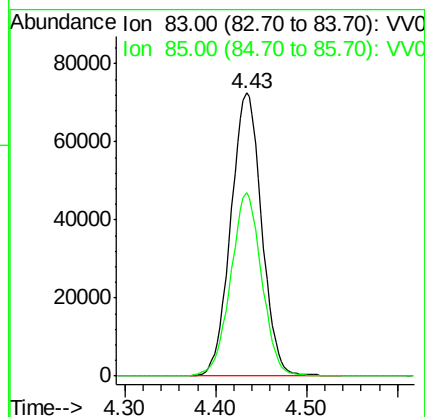
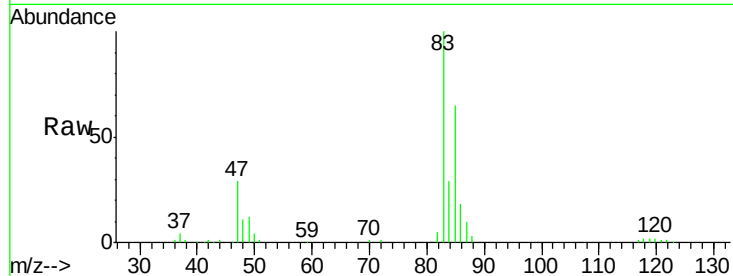
Ion 51.00 (50.70 to 51.70): VV006088.D (-969) (-)





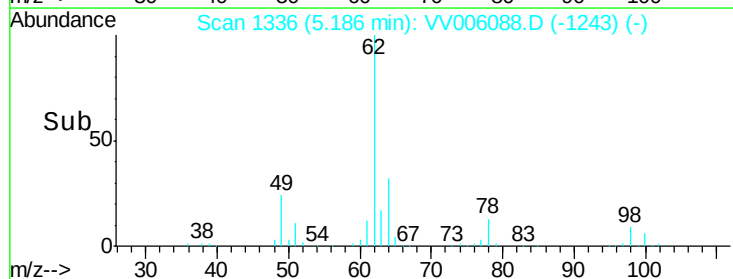
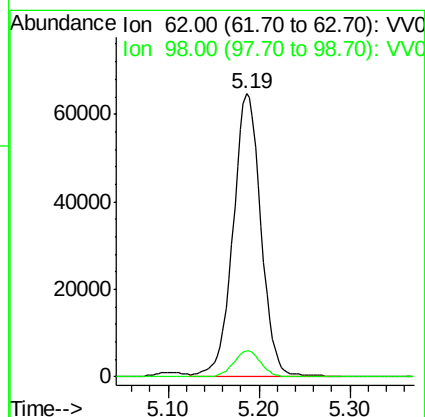
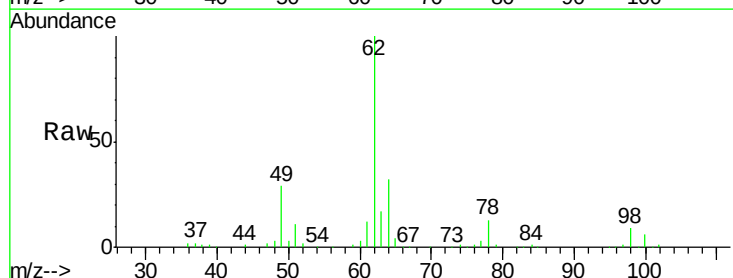
#25
Chloroform
Concen: 49.96 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006088.D
Acq: 27 May 2018 15:36

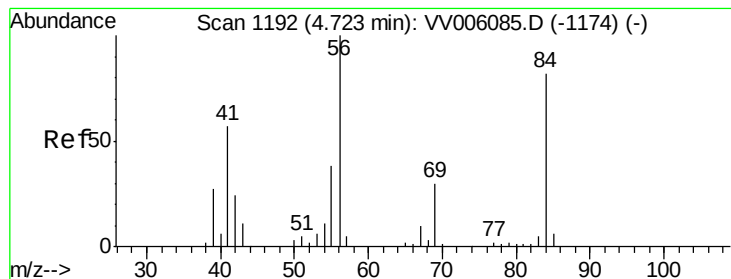
Tgt Ion: 83 Resp: 170685
Ion Ratio Lower Upper
83 100
85 64.6 45.6 84.8



#27
1,2-Dichloroethane
Concen: 49.86 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV006088.D
Acq: 27 May 2018 15:36

Tgt Ion: 62 Resp: 136855
Ion Ratio Lower Upper
62 100
98 9.4 7.4 11.0





#29

Cyclohexane

Concen: 50.90 ug/L

RT: 4.72 min Scan# 1192

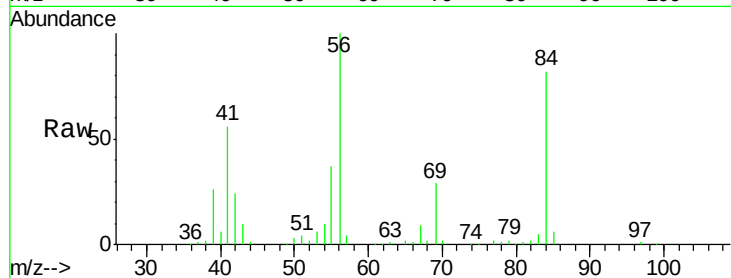
Delta R.T. 0.00 min

Lab File: VV006088.D

Acq: 27 May 2018 15:36

Tgt Ion: 56 Resp: 155236

Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.8	35.6
84	82.5	67.1	100.7

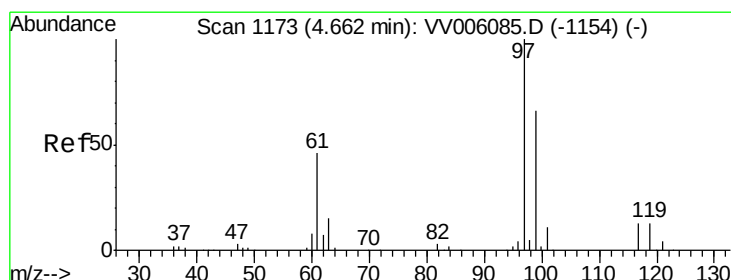
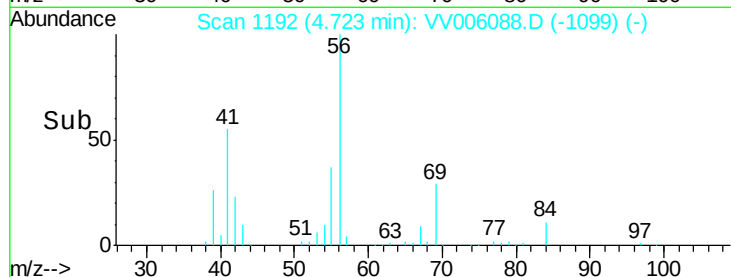
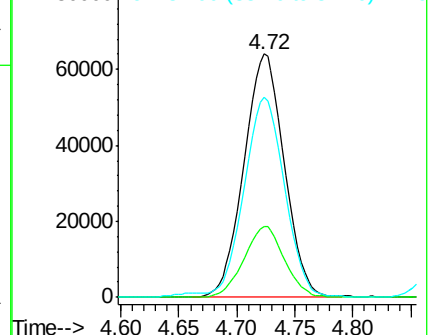


Abundance

Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 50.16 ug/L

RT: 4.66 min Scan# 1172

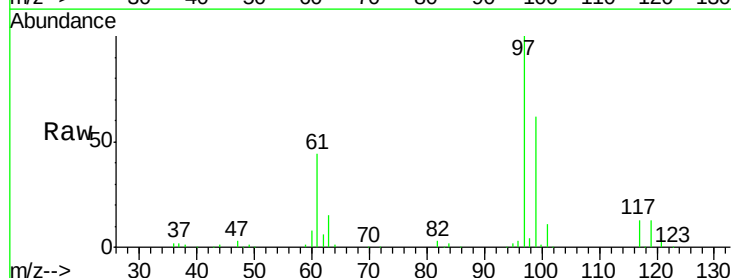
Delta R.T. -0.00 min

Lab File: VV006088.D

Acq: 27 May 2018 15:36

Tgt Ion: 97 Resp: 142916

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.9	77.9
61	44.7	37.0	55.6

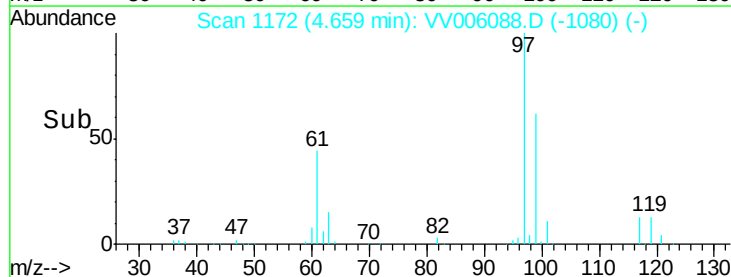
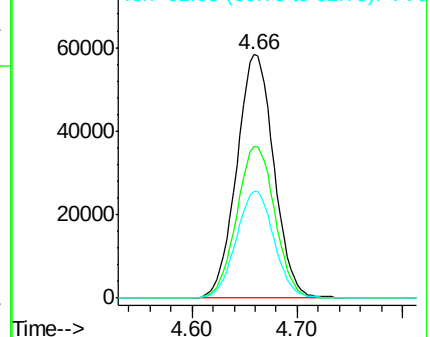


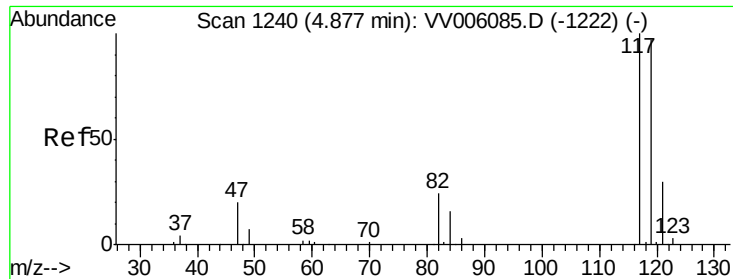
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 50.09 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006088.D

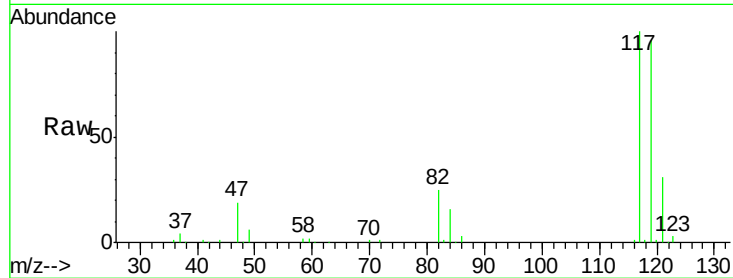
Acq: 27 May 2018 15:36

Tgt Ion:117 Resp: 124186

Ion Ratio Lower Upper

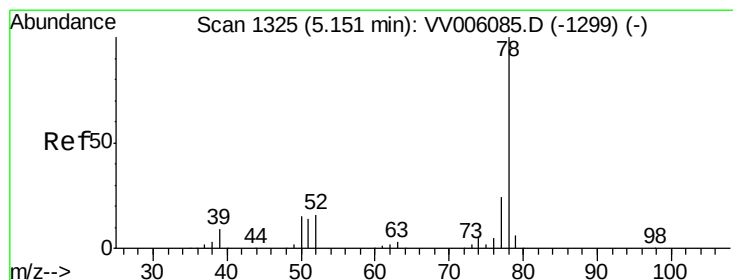
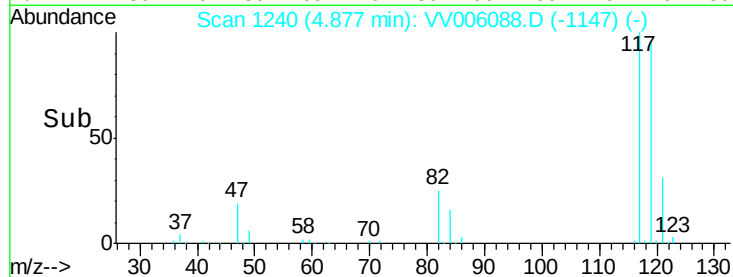
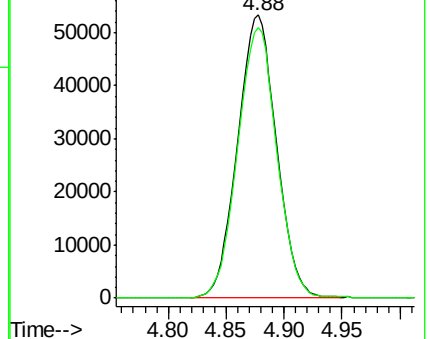
117 100

119 96.7 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.03 ug/L

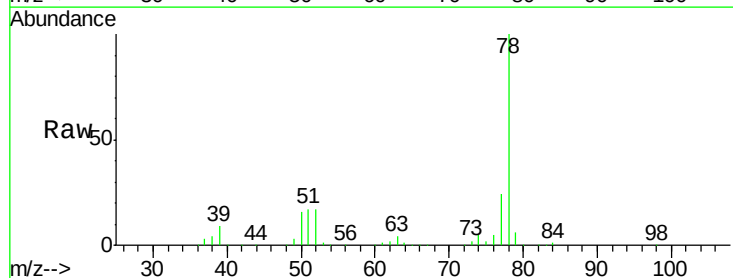
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

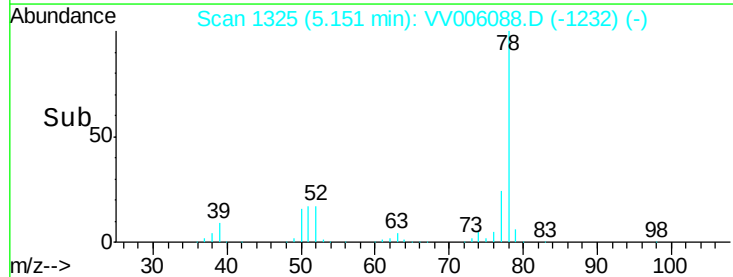
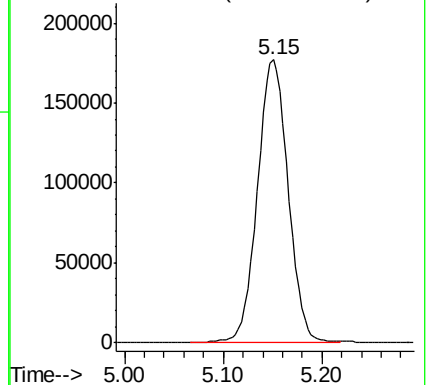
Lab File: VV006088.D

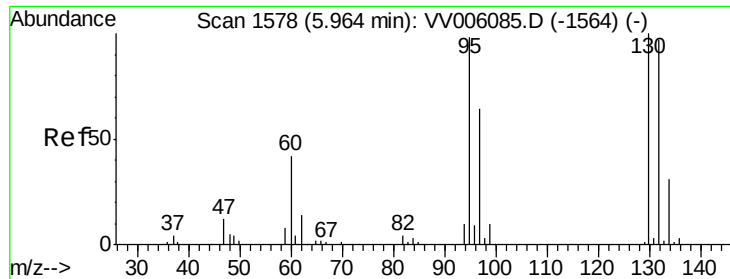
Acq: 27 May 2018 15:36

Tgt Ion: 78 Resp: 380936



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.16 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006088.D

Acq: 27 May 2018 15:36

Tgt Ion: 95 Resp: 93860

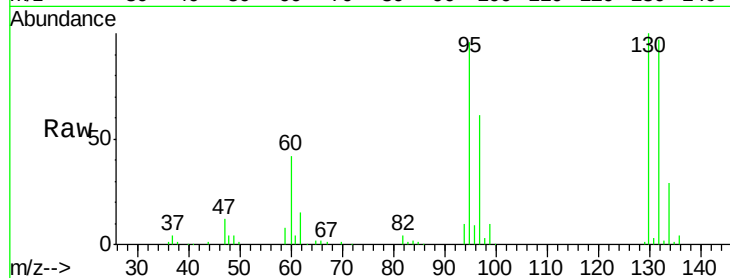
Ion Ratio Lower Upper

95 100

97 63.9 45.4 84.4

132 101.1 69.0 128.2

130 104.6 71.2 132.2

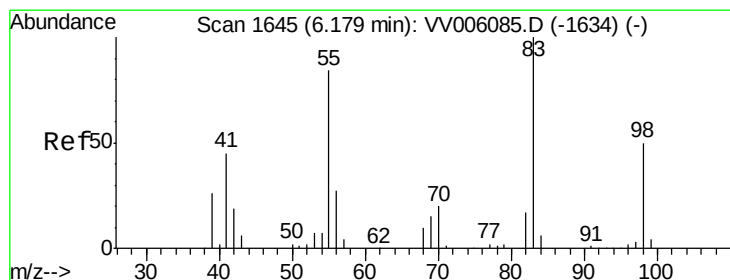
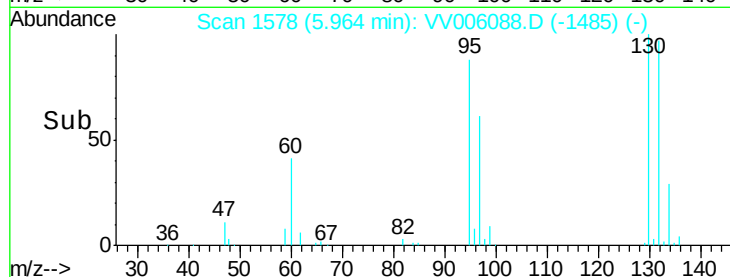
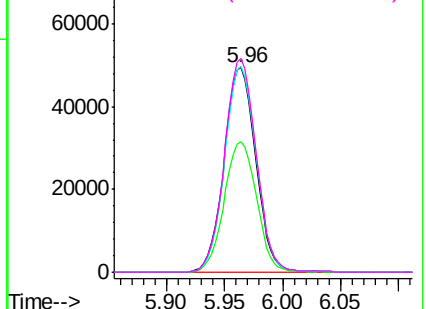


Abundance Ion 95.00 (94.70 to 95.70): VV006088.D (-1552) (-)

Ion 97.00 (96.70 to 97.70): VV006088.D (-1552) (-)

Ion 132.00 (131.70 to 132.70): VV006088.D (-1552) (-)

Ion 130.00 (129.70 to 130.70): VV006088.D (-1552) (-)



#35

Methylcyclohexane

Concen: 50.75 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006088.D

Acq: 27 May 2018 15:36

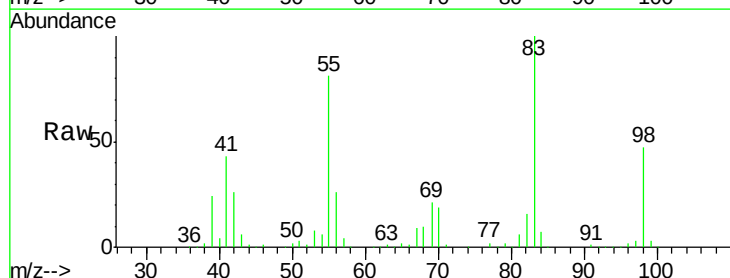
Tgt Ion: 83 Resp: 160253

Ion Ratio Lower Upper

83 100

55 79.7 62.8 94.2

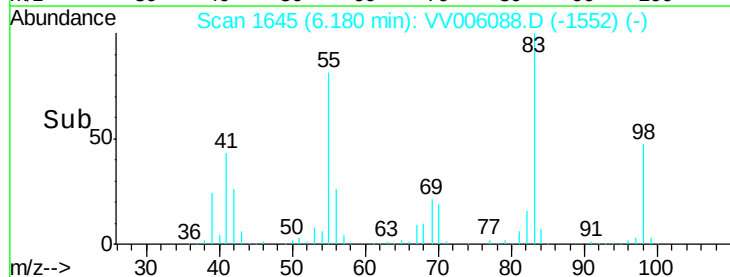
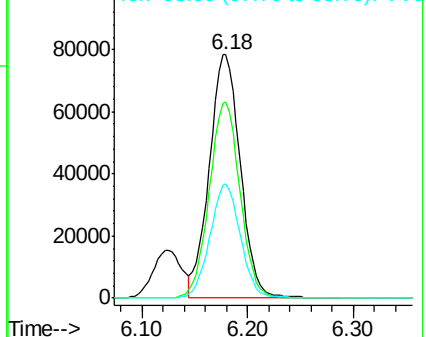
98 45.0 37.5 56.3

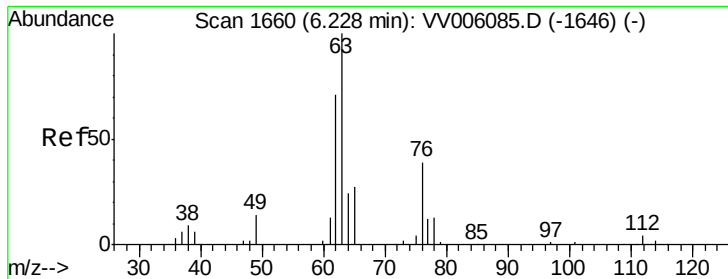


Abundance Ion 83.00 (82.70 to 83.70): VV006088.D (-1552) (-)

Ion 55.00 (54.70 to 55.70): VV006088.D (-1552) (-)

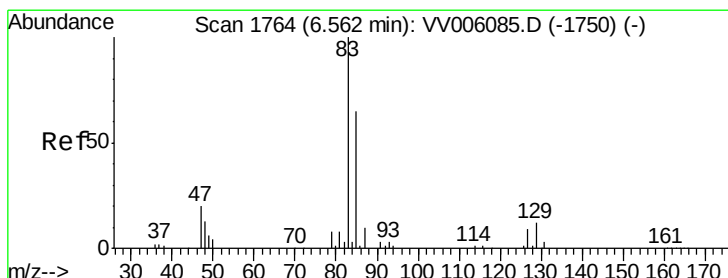
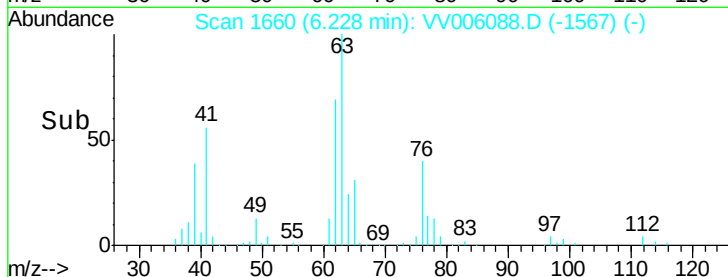
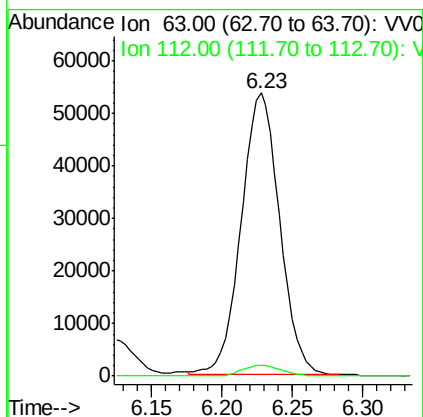
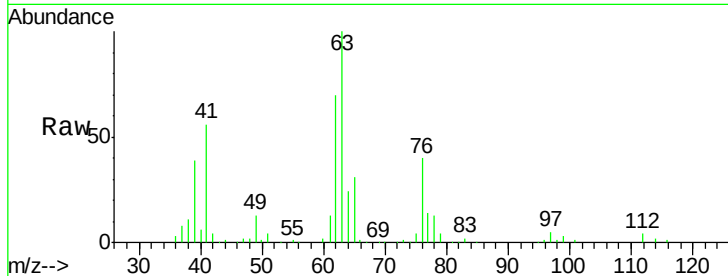
Ion 98.00 (97.70 to 98.70): VV006088.D (-1552) (-)





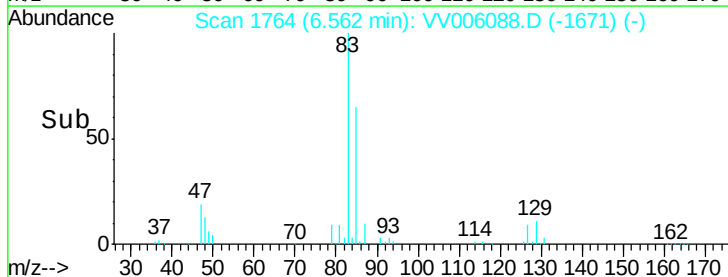
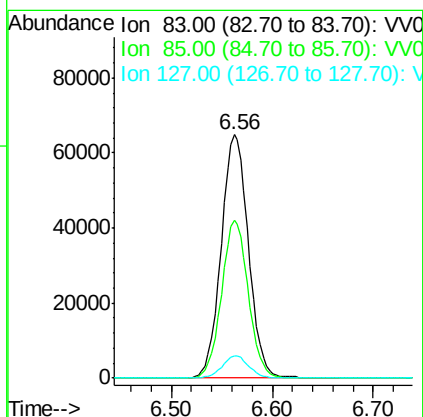
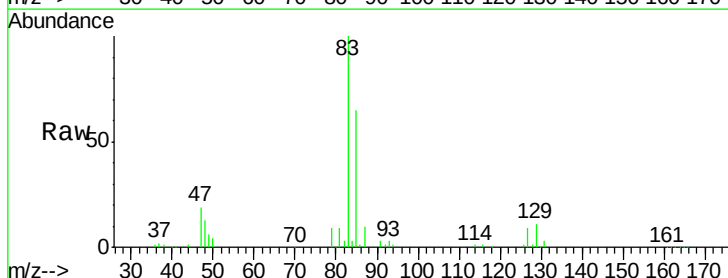
#37
 1,2-Dichloropropane
 Concen: 48.16 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006088.D
 Acq: 27 May 2018 15:36

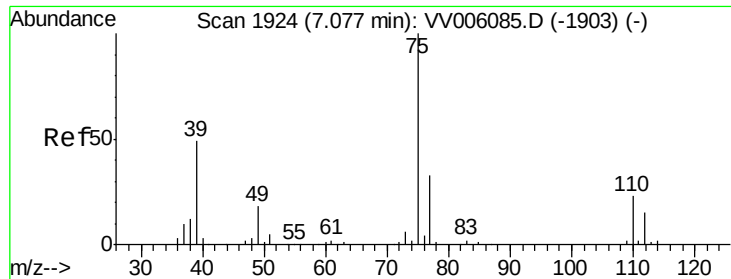
Tgt Ion: 63 Resp: 102045
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#38
 Bromodichloromethane
 Concen: 49.85 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006088.D
 Acq: 27 May 2018 15:36

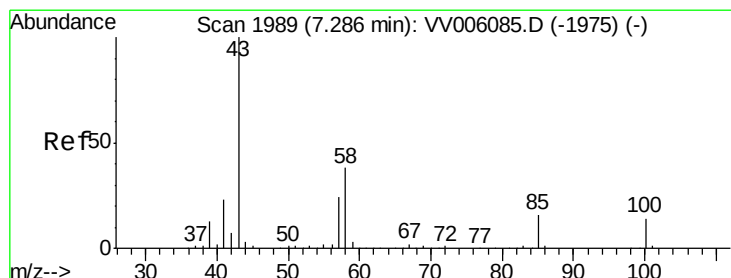
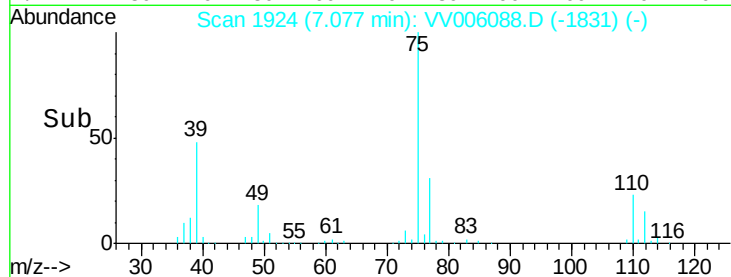
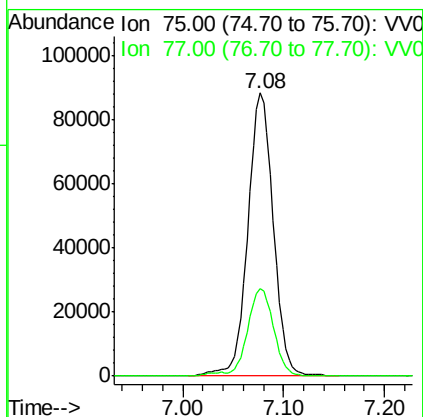
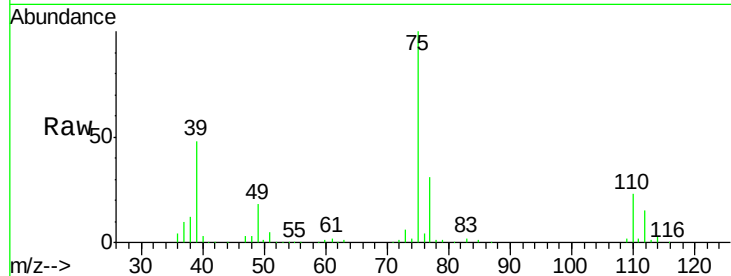
Tgt Ion: 83 Resp: 122354
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.6 84.6
 127 9.4 6.9 10.3





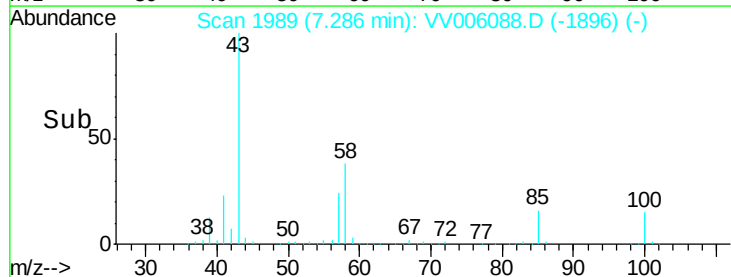
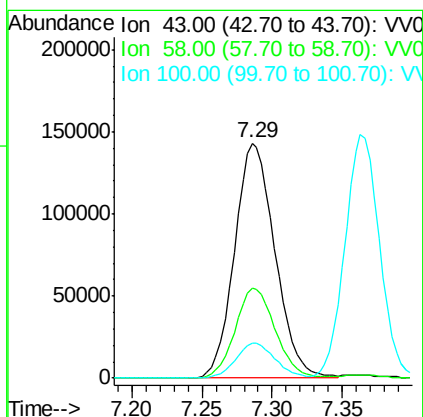
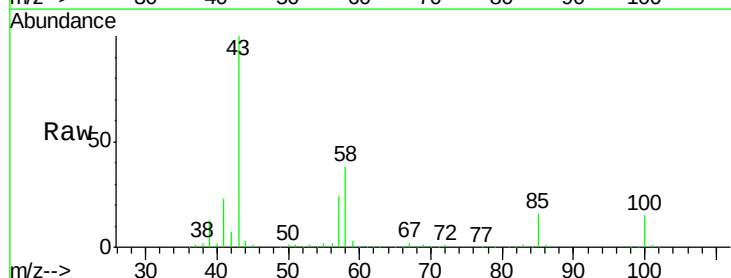
#39
 cis-1,3-Dichloropropene
 Concen: 52.25 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006088.D
 Acq: 27 May 2018 15:36

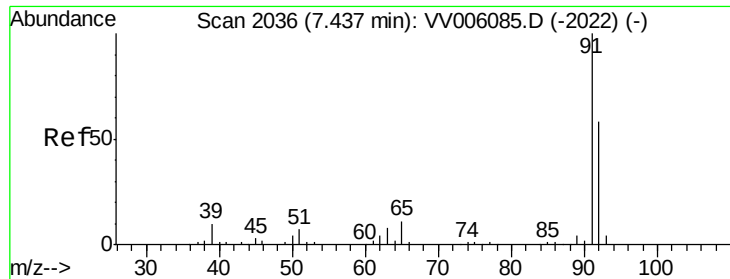
Tgt Ion: 75 Resp: 153931
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 103.34 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV006088.D
 Acq: 27 May 2018 15:36

Tgt Ion: 43 Resp: 286742
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.3 45.5
 100 14.5 11.2 16.8





#42

Toluene

Concen: 50.71 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006088.D

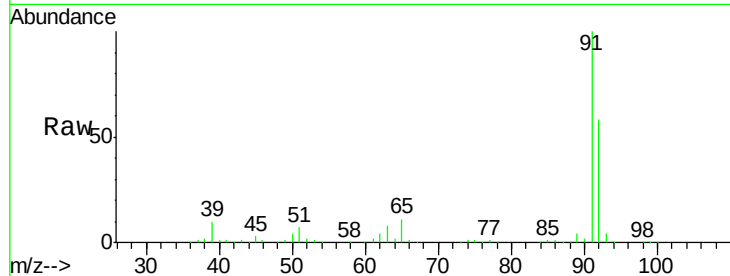
Acq: 27 May 2018 15:36

Tgt Ion: 91 Resp: 403490

Ion Ratio Lower Upper

91 100

92 57.9 40.3 74.8



Abundance Ion 91.00 (90.70 to 91.70): VV006088.D (-1943) (-)

Ion 92.00 (91.70 to 92.70): VV006088.D (-1943) (-)

7.44

250000

200000

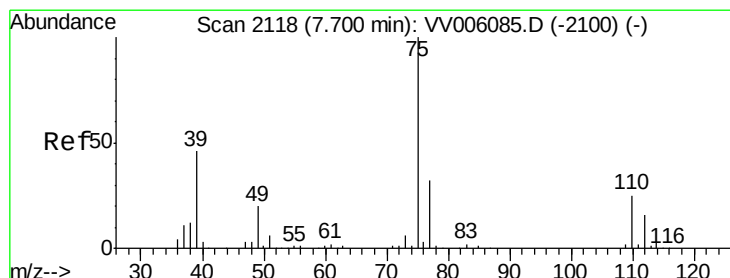
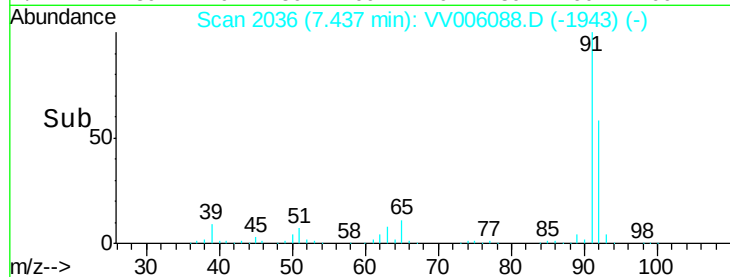
150000

100000

50000

0

Time--> 7.35 7.40 7.45 7.50 7.55



#44

trans-1,3-Dichloropropene

Concen: 52.44 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006088.D

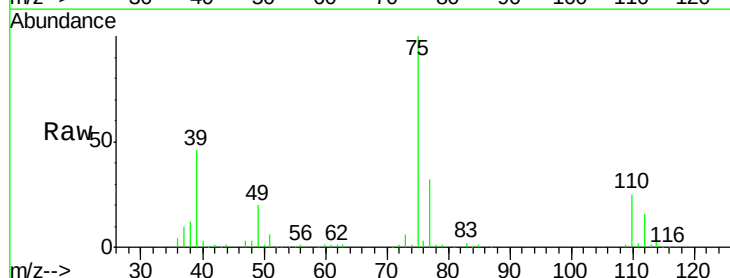
Acq: 27 May 2018 15:36

Tgt Ion: 75 Resp: 142491

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV006088.D (-2025) (-)

Ion 77.00 (76.70 to 77.70): VV006088.D (-2025) (-)

7.70

100000

80000

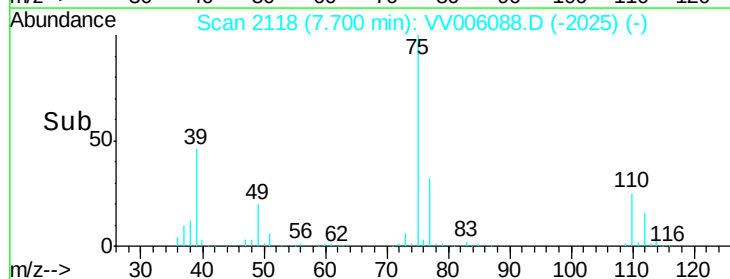
60000

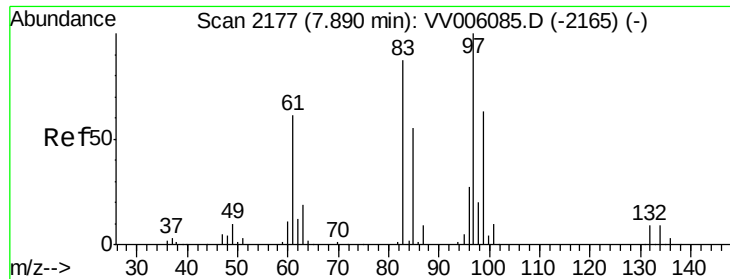
40000

20000

0

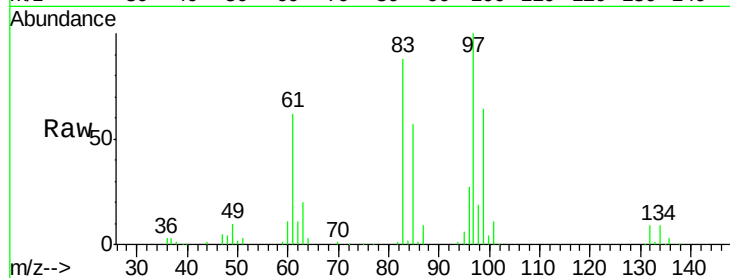
Time--> 7.60 7.65 7.70 7.75 7.80





#45
 1,1,2-Trichloroethane
 Concen: 48.89 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006088.D
 Acq: 27 May 2018 15:36

Tgt Ion:	97	Resp:	95234
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.0	81.6
83	87.6	61.0	113.4
85	56.7	38.6	71.6



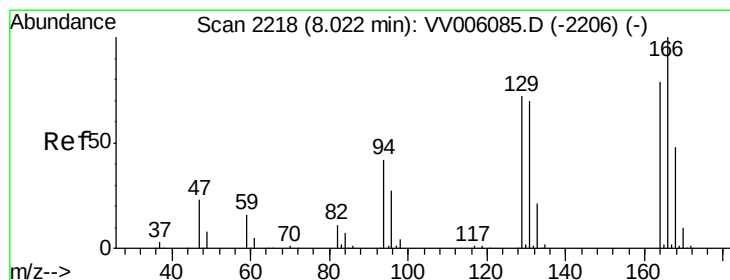
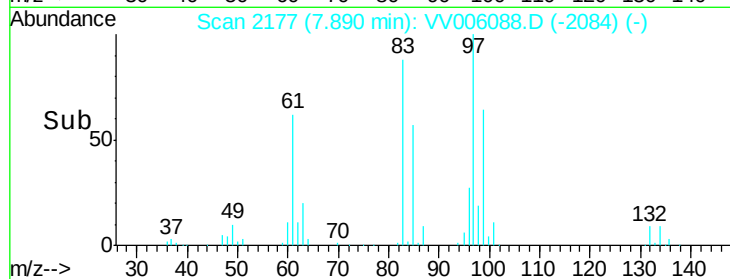
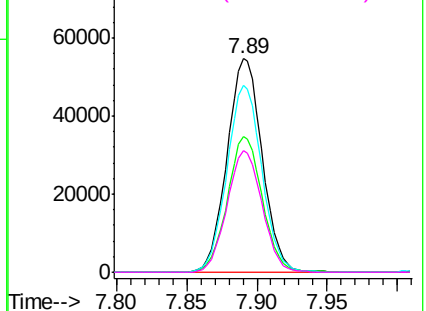
Abundance

Ion 97.00 (96.70 to 97.70): VV006088.D (-2084) (-)

Ion 99.00 (98.70 to 99.70): VV006088.D (-2084) (-)

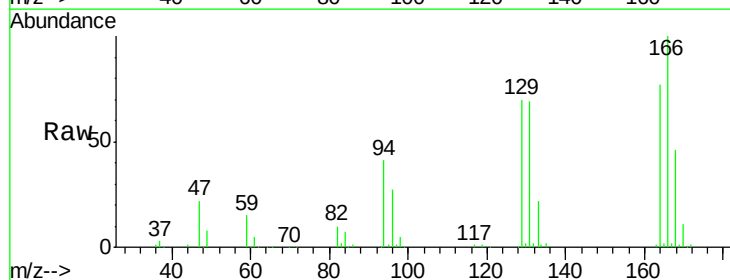
Ion 83.00 (82.70 to 83.70): VV006088.D (-2084) (-)

Ion 85.00 (84.70 to 85.70): VV006088.D (-2084) (-)



#46
 Tetrachloroethene
 Concen: 49.59 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006088.D
 Acq: 27 May 2018 15:36

Tgt Ion:	164	Resp:	80632
Ion	Ratio	Lower	Upper
164	100		
129	91.7	63.9	118.7
131	90.3	61.6	114.4
166	130.4	88.3	164.1



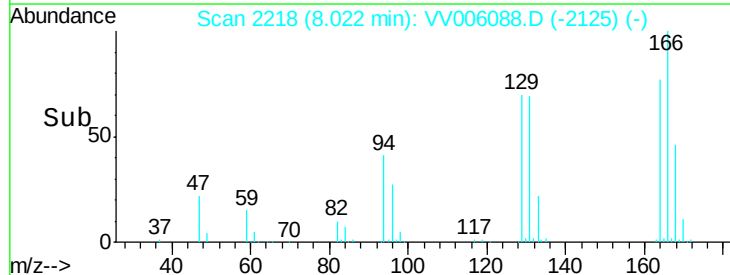
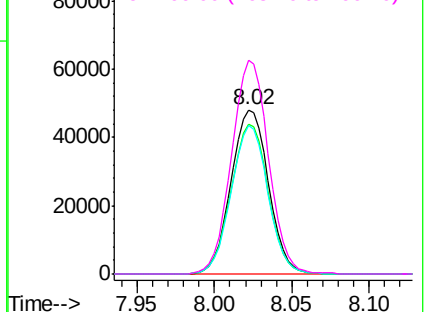
Abundance

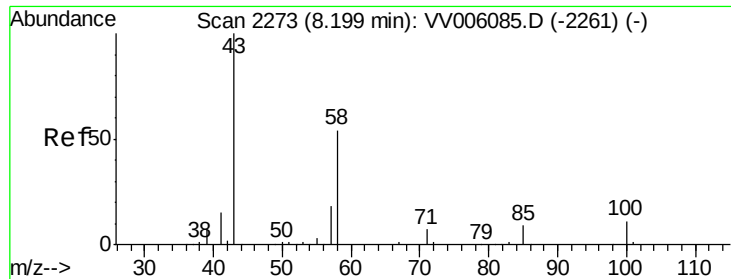
Ion 164.00 (163.70 to 164.70): VV006088.D (-2125) (-)

Ion 129.00 (128.70 to 129.70): VV006088.D (-2125) (-)

Ion 131.00 (130.70 to 131.70): VV006088.D (-2125) (-)

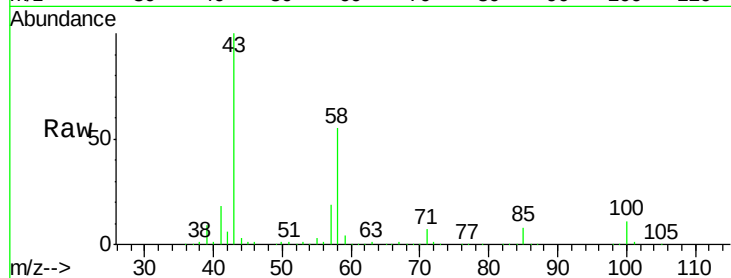
Ion 166.00 (165.70 to 166.70): VV006088.D (-2125) (-)





#48
2-Hexanone
Concen: 105.34 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV006088.D
Acq: 27 May 2018 15:36

Tgt Ion:	43	Resp:	241901
Ion	Ratio	Lower	Upper
43	100		
58	54.0	42.2	63.4
57	18.5	14.5	21.7
100	11.4	8.7	13.1

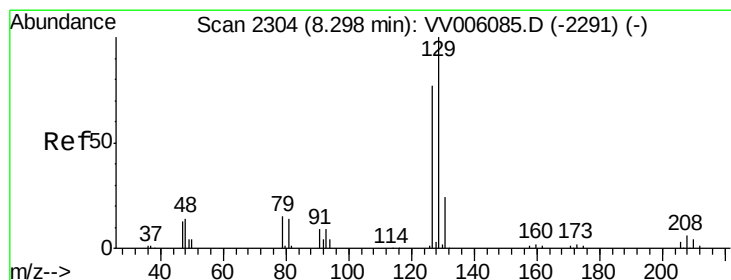
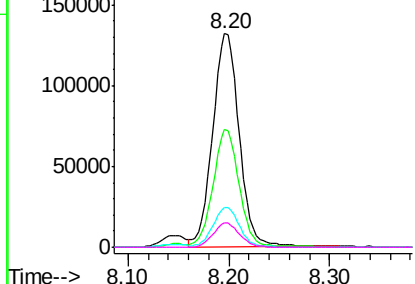
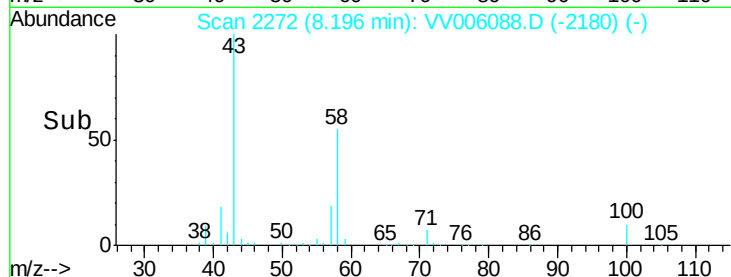


Abundance Ion 43.00 (42.70 to 43.70): VV006088.D (-2180) (-)

Ion 58.00 (57.70 to 58.70): VV006088.D (-2180) (-)

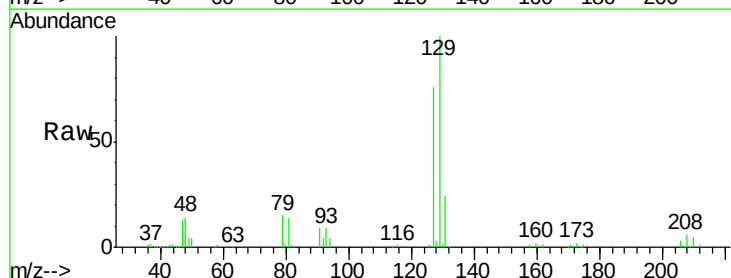
Ion 57.00 (56.70 to 57.70): VV006088.D (-2180) (-)

Ion 100.00 (99.70 to 100.70): VV006088.D (-2180) (-)



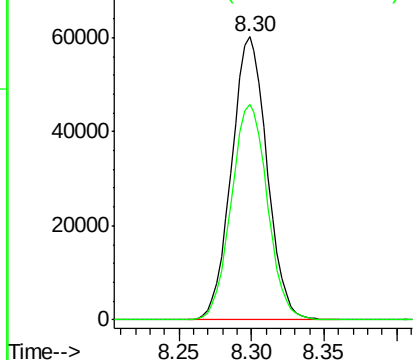
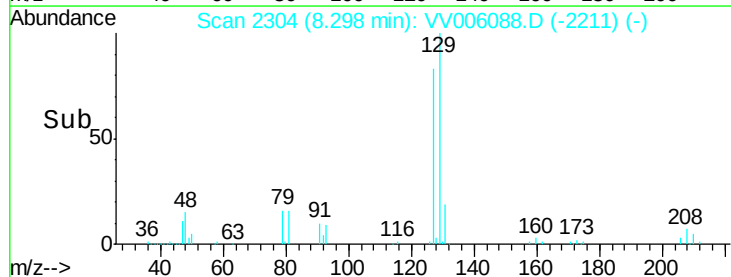
#49
Dibromochloromethane
Concen: 50.66 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006088.D
Acq: 27 May 2018 15:36

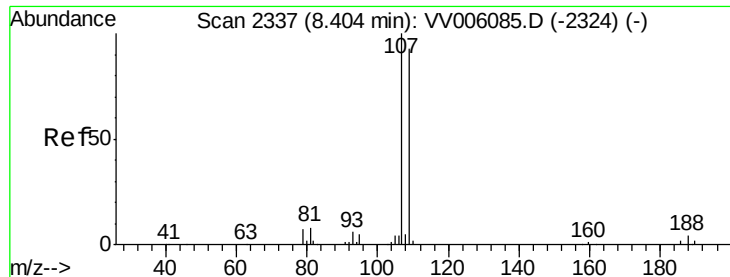
Tgt Ion:	129	Resp:	102063
Ion	Ratio	Lower	Upper
129	100		
127	76.2	54.1	100.5



Abundance Ion 129.00 (128.70 to 129.70): VV006088.D (-2211) (-)

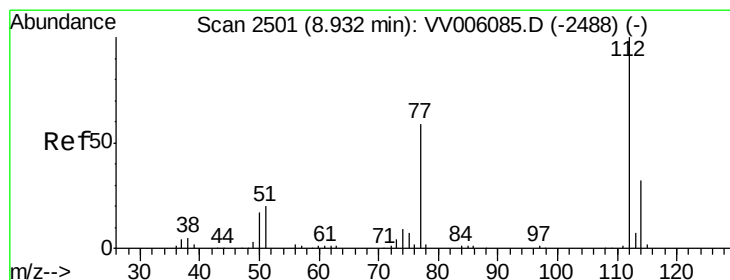
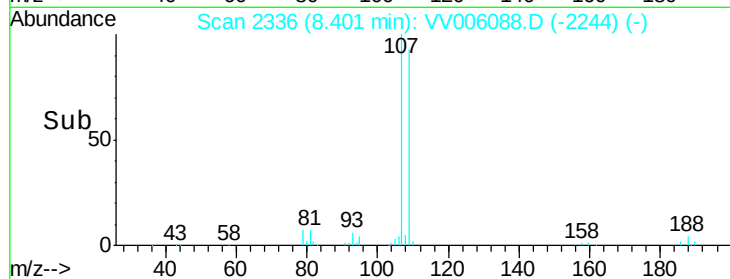
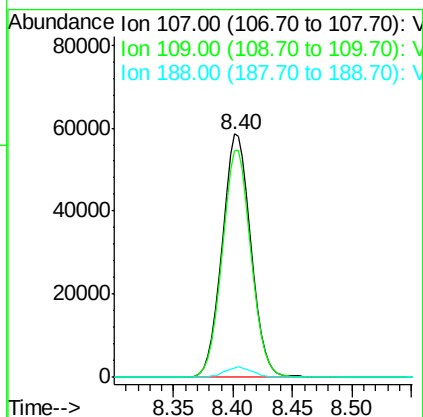
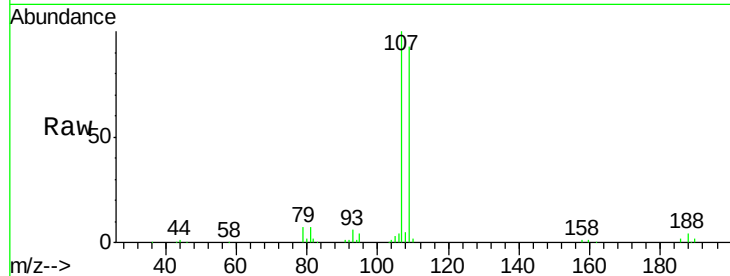
Ion 127.00 (126.70 to 127.70): VV006088.D (-2211) (-)





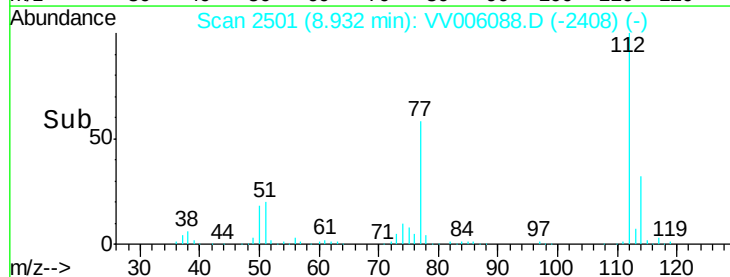
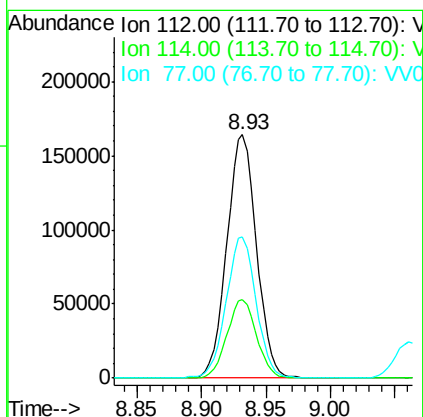
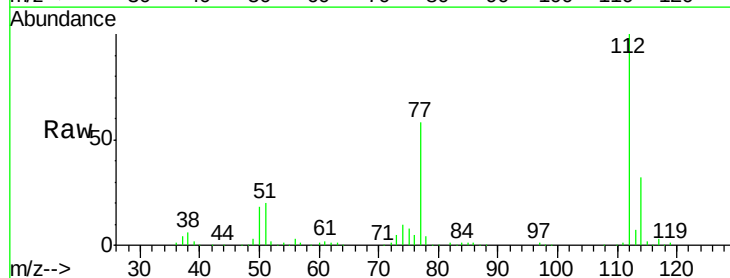
#50
1,2-Dibromoethane
Concen: 50.65 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006088.D
Acq: 27 May 2018 15:36

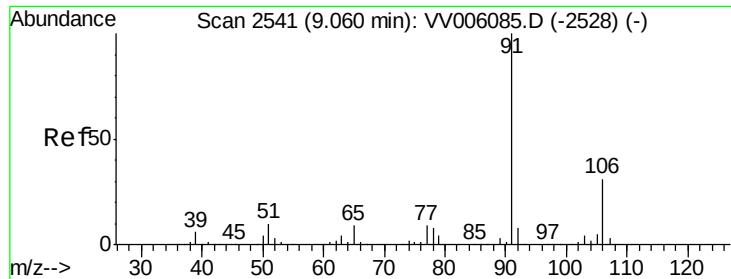
Tgt Ion:107 Resp: 98111
Ion Ratio Lower Upper
107 100
109 93.4 64.8 120.4
188 4.0 3.1 4.7



#51
Chlorobenzene
Concen: 49.87 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006088.D
Acq: 27 May 2018 15:36

Tgt Ion:112 Resp: 262003
Ion Ratio Lower Upper
112 100
114 32.4 22.6 42.0
77 58.1 47.2 70.8





#52

Ethylbenzene

Concen: 51.38 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006088.D

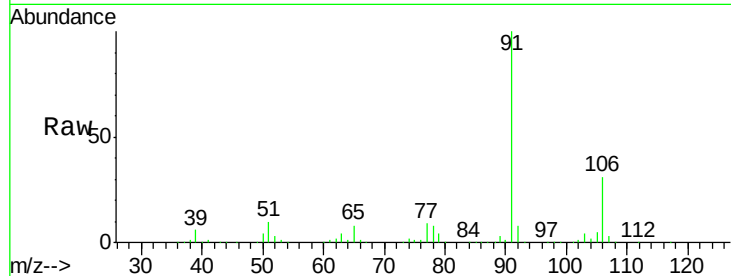
Acq: 27 May 2018 15:36

Tgt Ion: 91 Resp: 440352

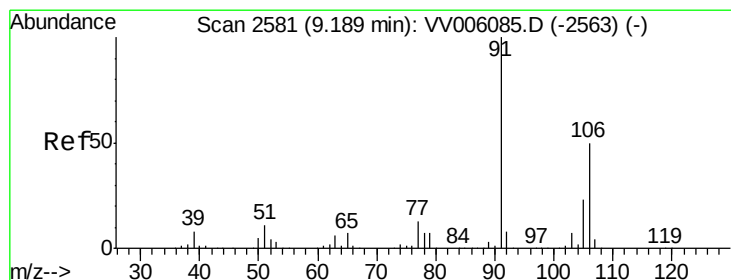
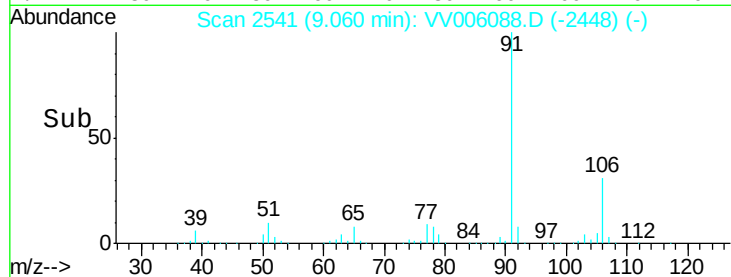
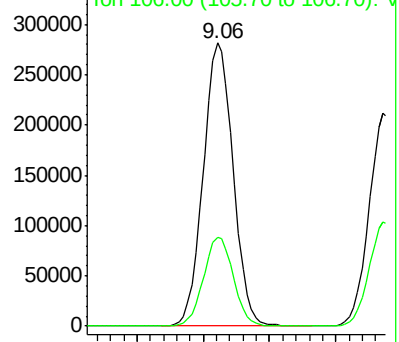
Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV006085.D (-2528) (-)



#53

m,p-Xylene

Concen: 51.68 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006088.D

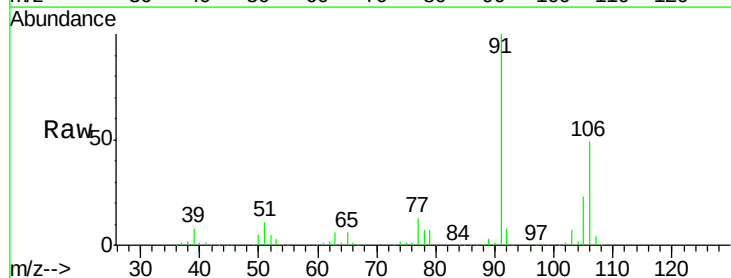
Acq: 27 May 2018 15:36

Tgt Ion: 106 Resp: 166595

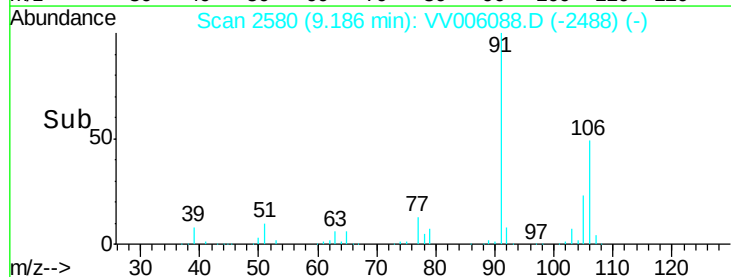
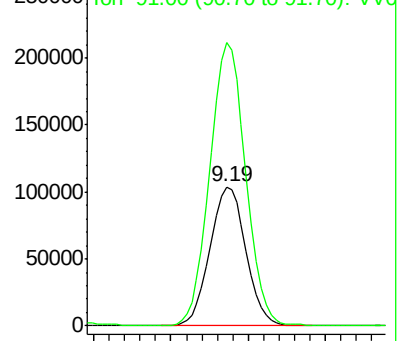
Ion Ratio Lower Upper

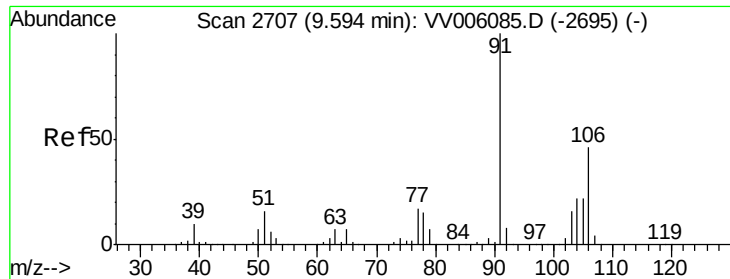
106 100

91 204.0 141.5 262.7



Abundance Ion 106.00 (105.70 to 106.70): VV006085.D (-2563) (-)





#54

o-xylene

Concen: 51.60 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006088.D

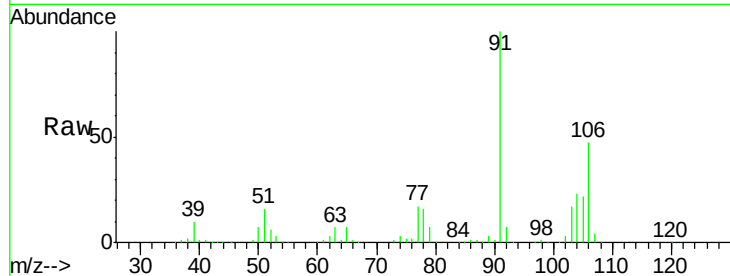
Acq: 27 May 2018 15:36

Tgt Ion:106 Resp: 166430

Ion Ratio Lower Upper

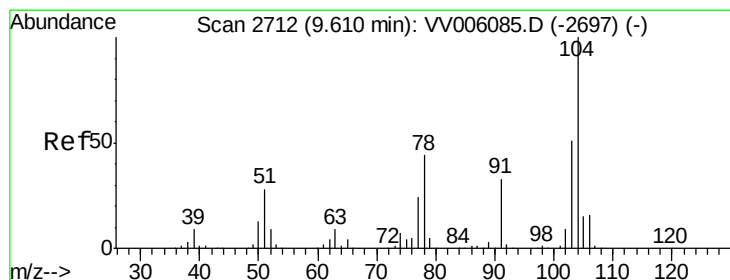
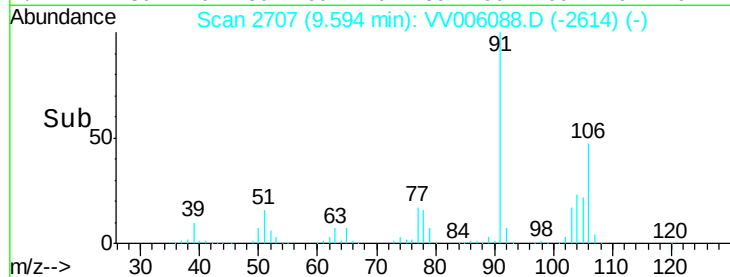
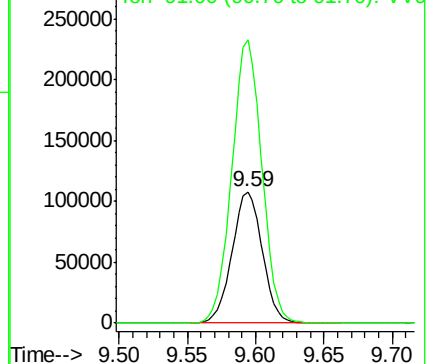
106 100

91 215.0 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.28 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006088.D

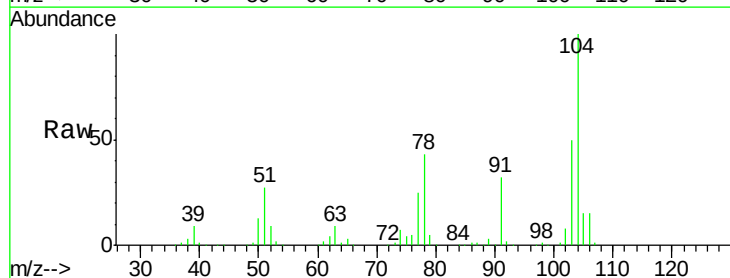
Acq: 27 May 2018 15:36

Tgt Ion:104 Resp: 288635

Ion Ratio Lower Upper

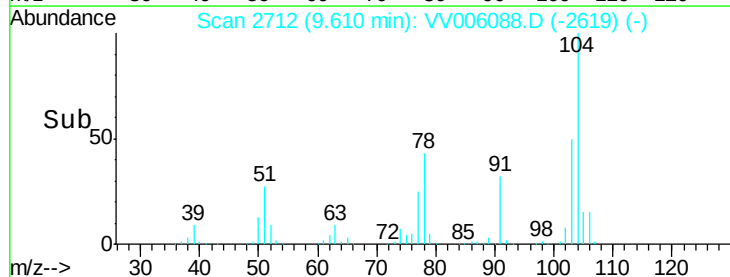
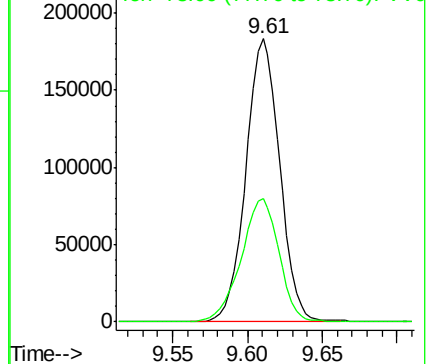
104 100

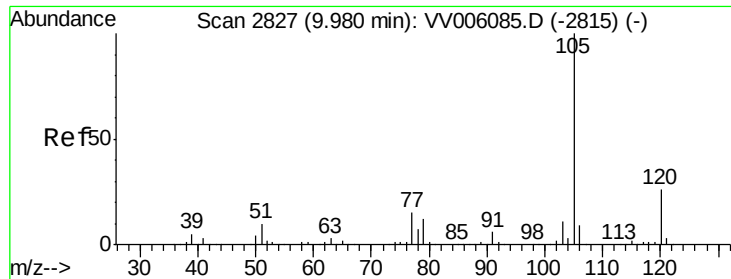
78 43.4 30.8 57.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.75 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006088.D

Acq: 27 May 2018 15:36

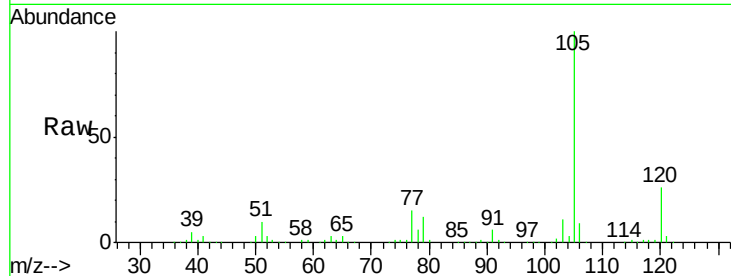
Tgt Ion: 105 Resp: 439201

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

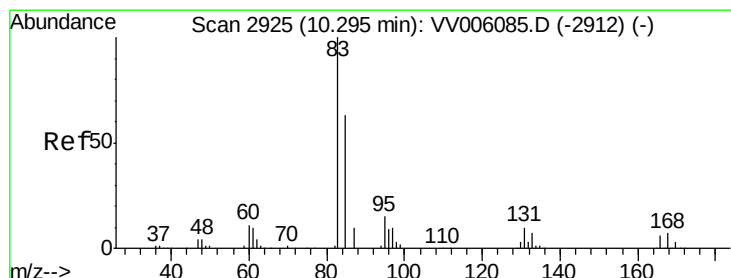
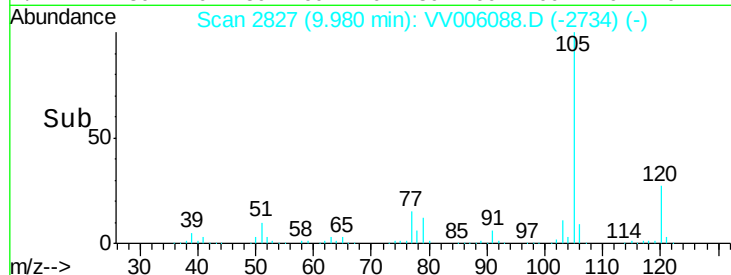
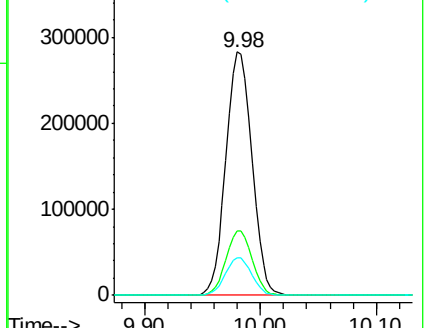
77 15.5 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): VV006088.D (-2734) (-)

Ion 120.00 (119.70 to 120.70): VV006088.D (-2734) (-)

Ion 77.00 (76.70 to 77.70): VV006088.D (-2734) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 50.39 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV006088.D

Acq: 27 May 2018 15:36

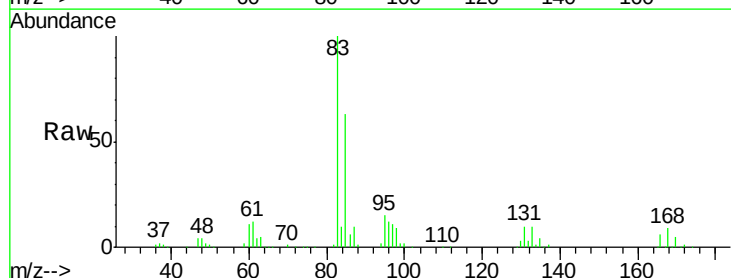
Tgt Ion: 83 Resp: 172901

Ion Ratio Lower Upper

83 100

85 63.4 44.6 82.8

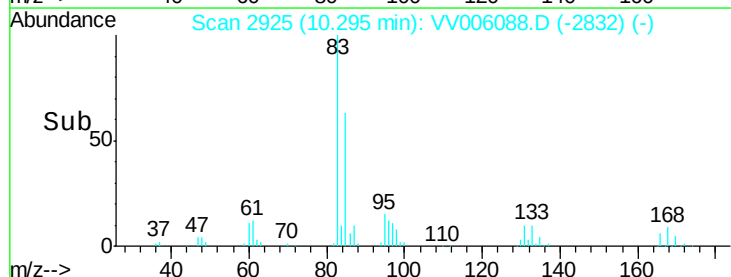
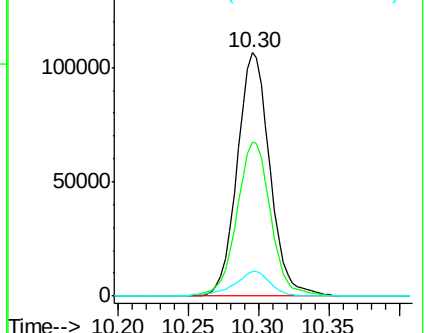
131 9.9 7.9 11.9

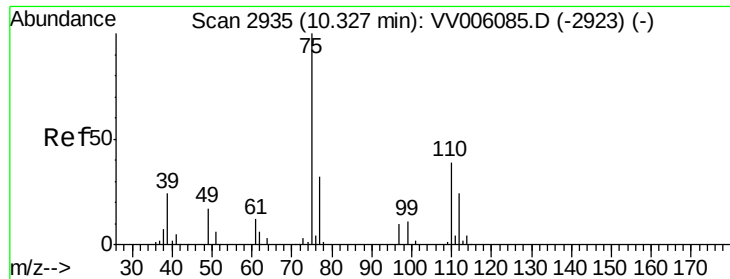


Abundance Ion 83.00 (82.70 to 83.70): VV006088.D (-2832) (-)

Ion 85.00 (84.70 to 85.70): VV006088.D (-2832) (-)

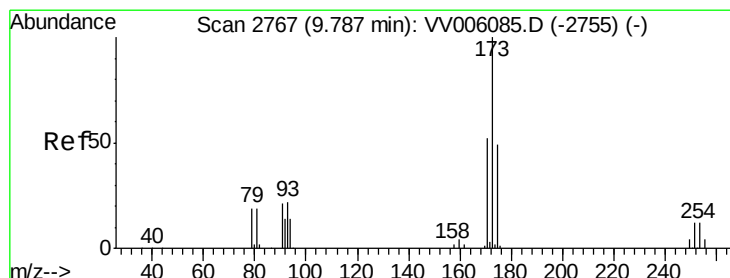
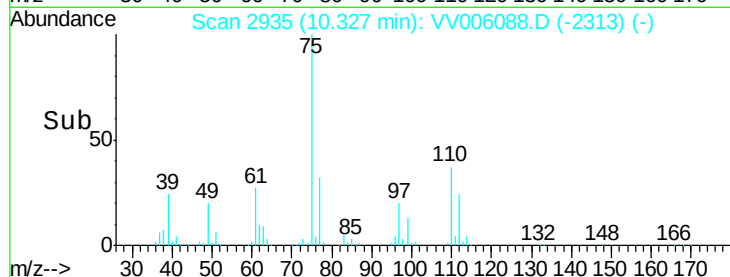
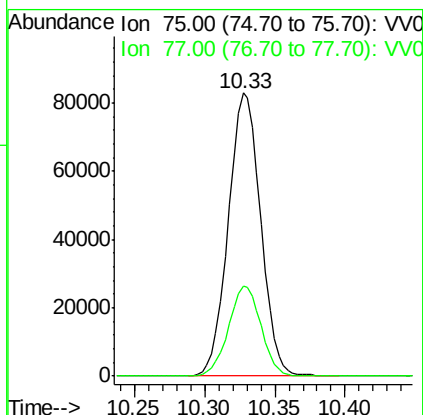
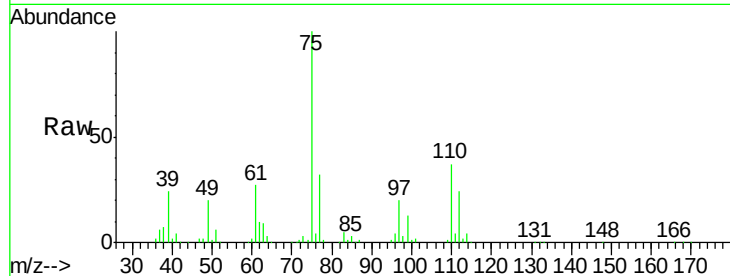
Ion 131.00 (130.70 to 131.70): VV006088.D (-2832) (-)





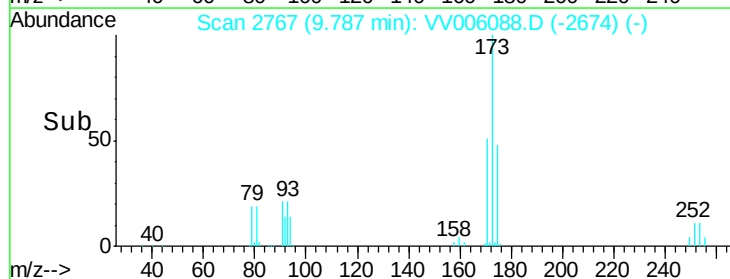
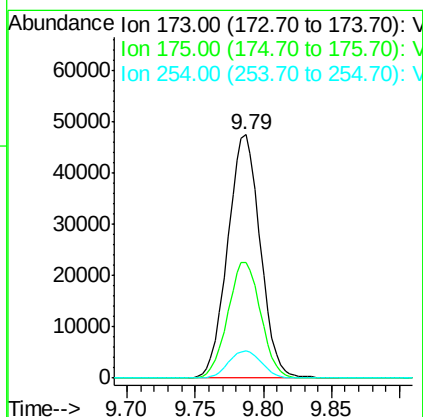
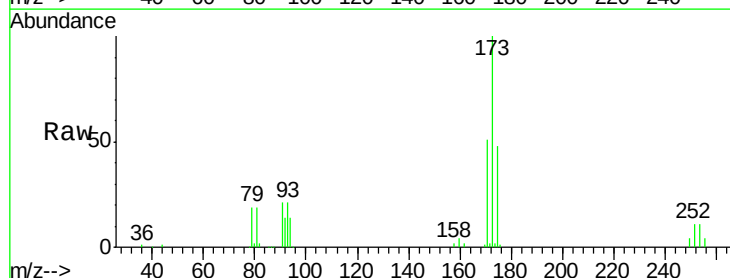
#59
 1,2,3-Trichloropropane
 Concen: 50.48 ug/L
 RT: 10.33 min Scan# 2935
 Delta R.T. 0.00 min
 Lab File: VV006088.D
 Acq: 27 May 2018 15:36

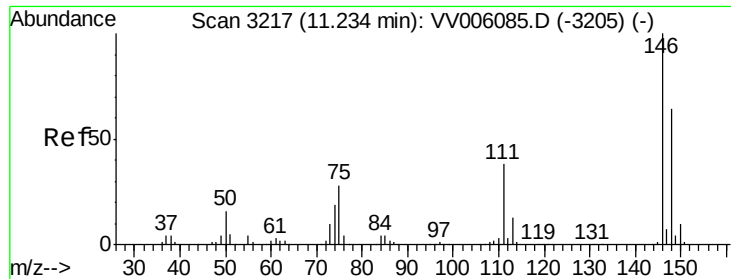
Tgt Ion: 75 Resp: 133170
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8



#61
 Bromoform
 Concen: 49.19 ug/L
 RT: 9.79 min Scan# 2767
 Delta R.T. 0.00 min
 Lab File: VV006088.D
 Acq: 27 May 2018 15:36

Tgt Ion: 173 Resp: 78780
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.6 57.8
 254 11.3 8.8 13.2





#62

1,3-Dichlorobenzene

Concen: 50.21 ug/L

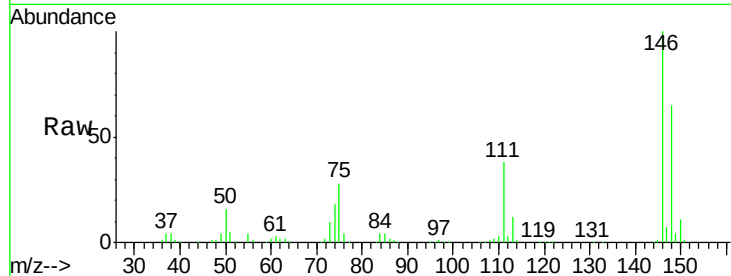
RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

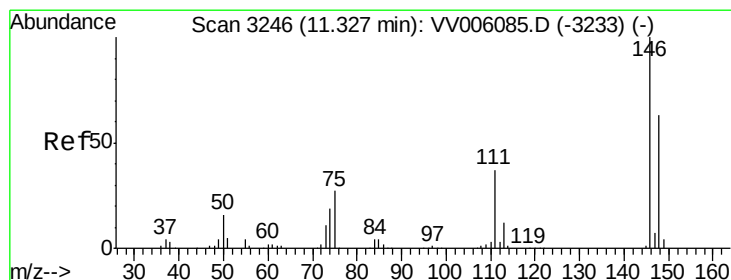
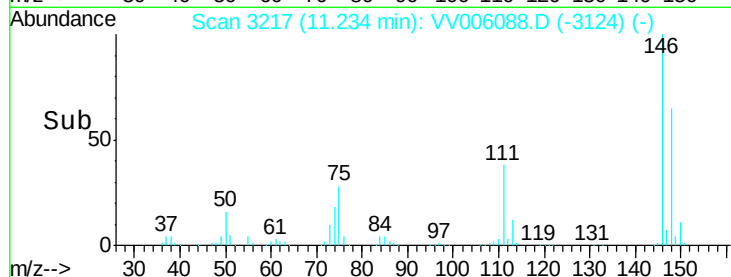
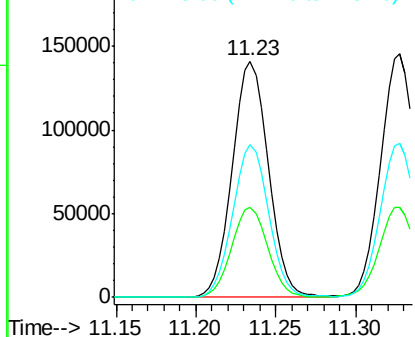
Lab File: VV006088.D

Acq: 27 May 2018 15:36

Tgt Ion:	146	Resp:	216655
Ion	Ratio	Lower	Upper
146	100		
111	38.1	26.9	49.9
148	64.7	44.9	83.5



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.09 ug/L

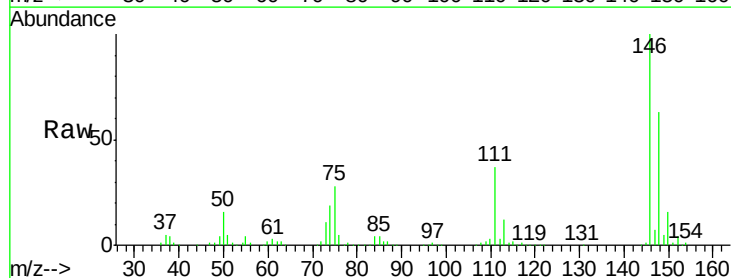
RT: 11.33 min Scan# 3246

Delta R.T. 0.00 min

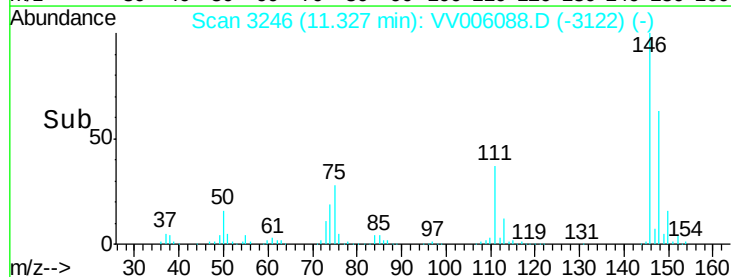
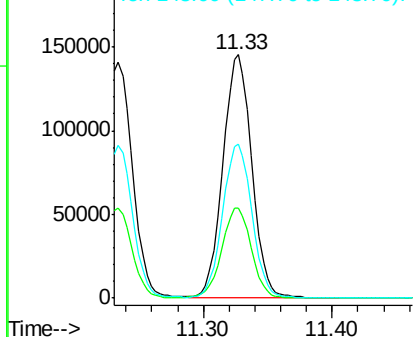
Lab File: VV006088.D

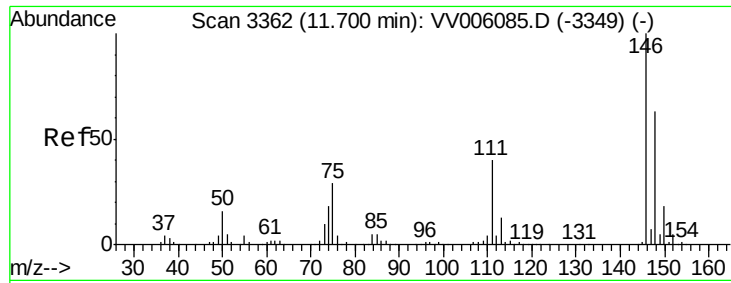
Acq: 27 May 2018 15:36

Tgt Ion:	146	Resp:	226257
Ion	Ratio	Lower	Upper
146	100		
111	37.0	26.0	48.4
148	63.4	44.4	82.5



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.30 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV006088.D

Acq: 27 May 2018 15:36

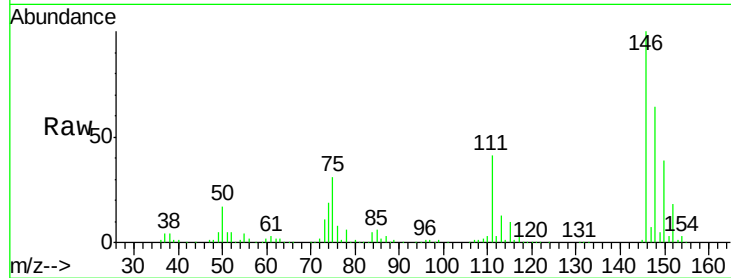
Tgt Ion: 146 Resp: 239901

Ion Ratio Lower Upper

146 100

111 40.6 31.8 47.8

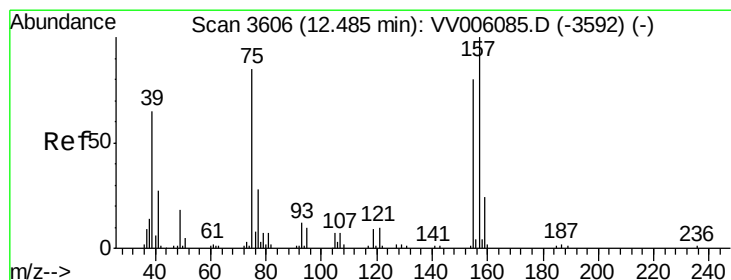
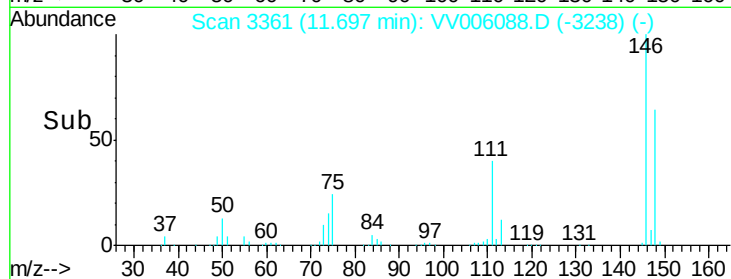
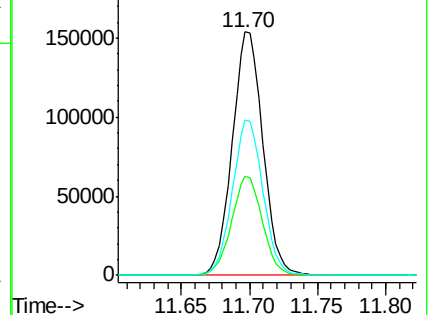
148 63.7 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): 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: 51.77 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006088.D

Acq: 27 May 2018 15:36

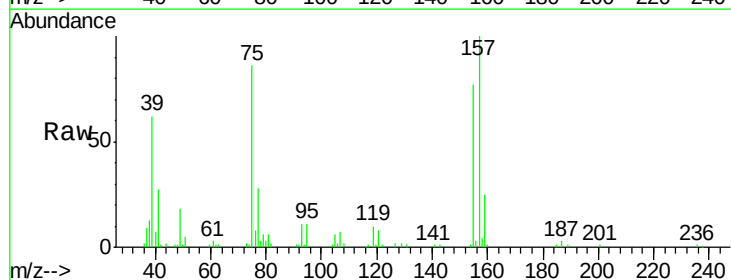
Tgt Ion: 75 Resp: 31912

Ion Ratio Lower Upper

75 100

155 89.7 75.9 113.9

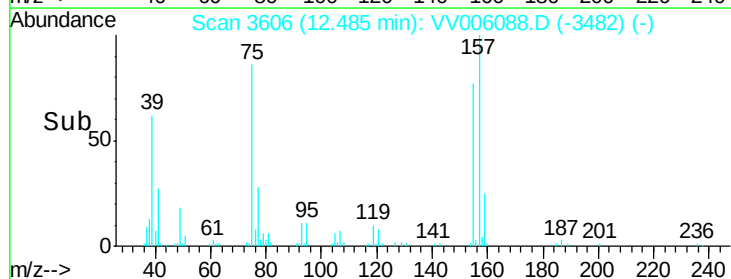
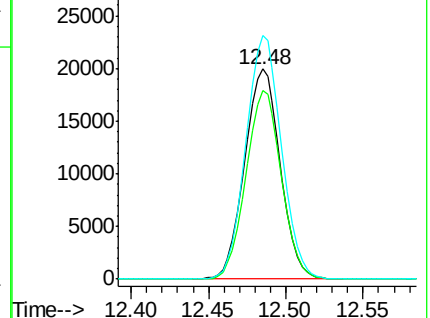
157 115.9 94.6 141.8

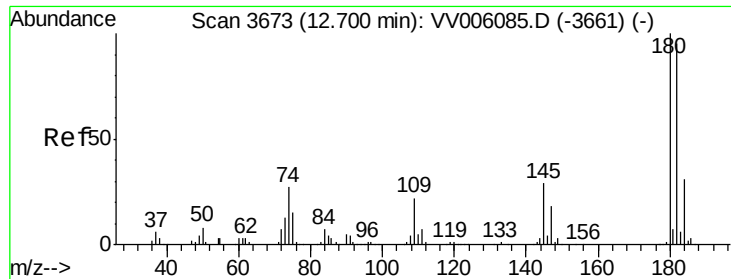


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

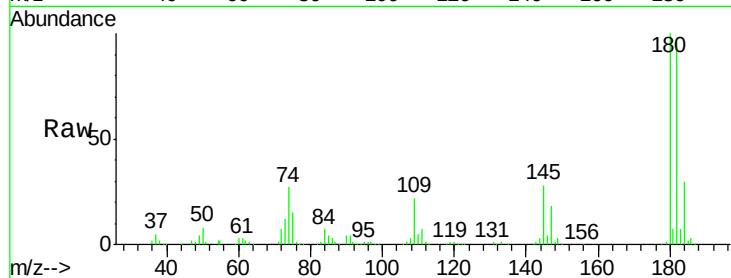
Ion 157.00 (156.70 to 157.70): V





#67
 1,3,5-Trichlorobenzene
 Concen: 52.00 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006088.D
 Acq: 27 May 2018 15:36

Tgt Ion:	180	Resp:	174385
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.0	114.0
184	30.3	24.6	37.0
145	28.2	22.5	33.7

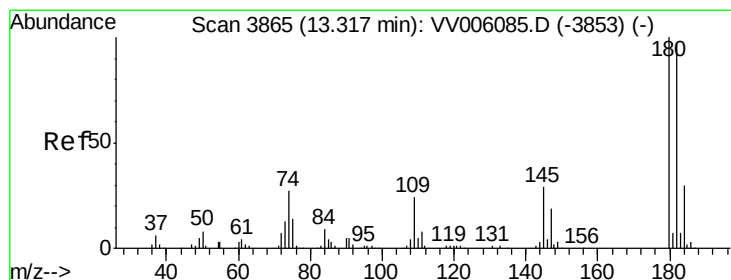
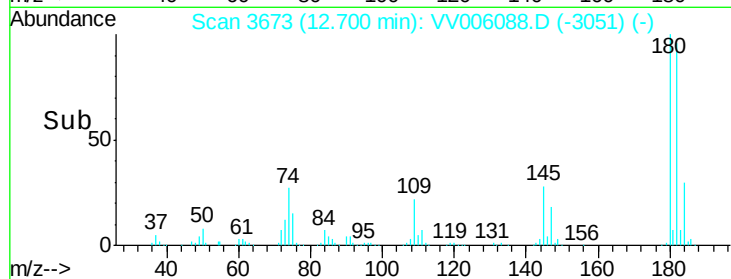
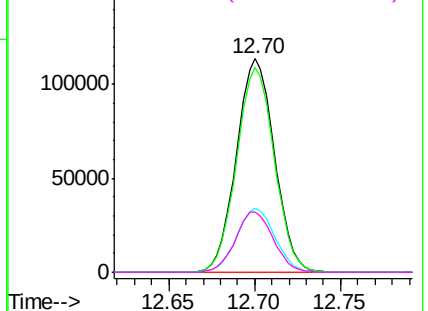


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

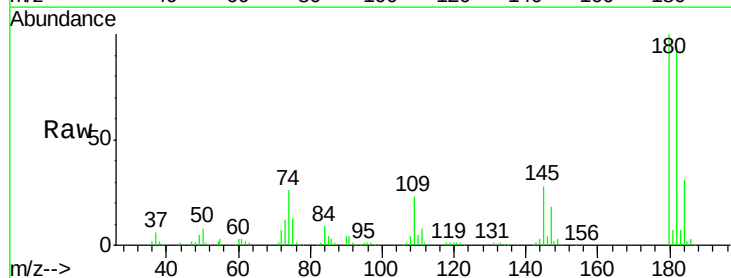
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.20 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006088.D
 Acq: 27 May 2018 15:36

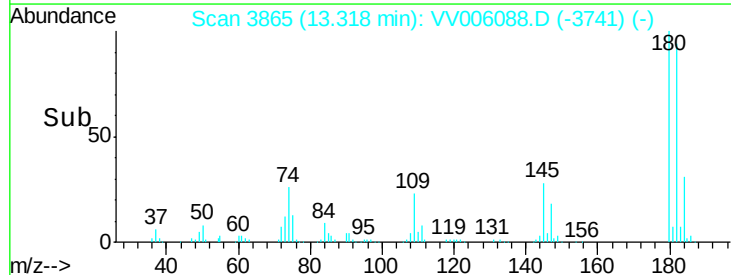
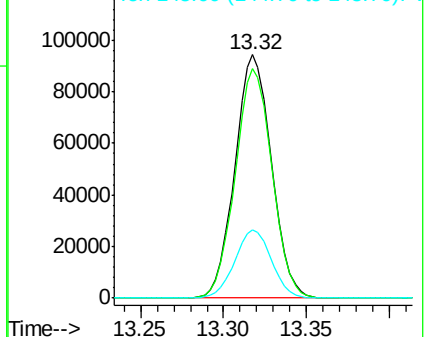
Tgt Ion:	180	Resp:	144282
Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.1	115.7
145	28.3	23.0	34.6

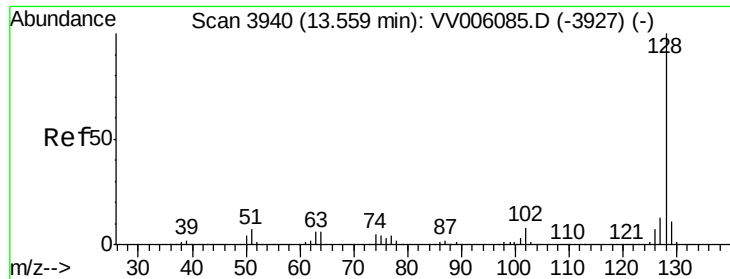


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

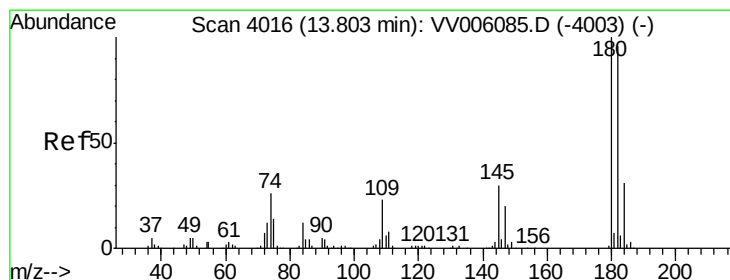
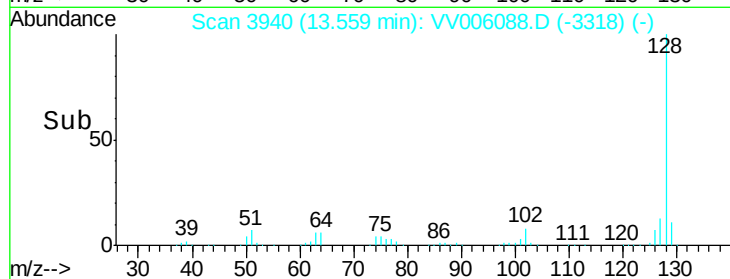
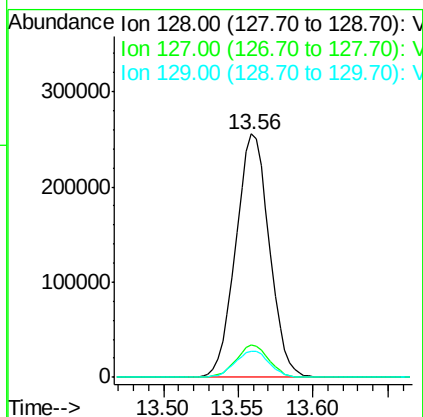
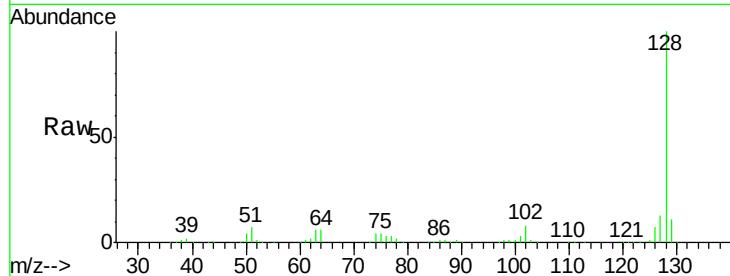
Ion 145.00 (144.70 to 145.70): V





#69
Naphthalene
Concen: 57.55 ug/L
RT: 13.56 min Scan# 3940
Delta R.T. 0.00 min
Lab File: VV006088.D
Acq: 27 May 2018 15:36

Tgt Ion:128 Resp: 399184
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.9 8.7 13.1



#70
1,2,3-Trichlorobenzene
Concen: 54.99 ug/L
RT: 13.80 min Scan# 4016
Delta R.T. 0.00 min
Lab File: VV006088.D
Acq: 27 May 2018 15:36

Tgt Ion:180 Resp: 156439
Ion Ratio Lower Upper
180 100
182 94.5 75.8 113.8
145 30.2 24.0 36.0

