

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028860.D
 Acq On : 21 Dec 2018 09:25
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 21 23:27:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 18:12:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	199076	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	189213	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	89834	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75275	47.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.34%
7) Chloroethane-d5	1.67	69	60194	48.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.66%
11) 1,1-Dichloroethene-d2	2.27	63	130023	48.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.88%
21) 2-Butanone-d5	4.17	46	120831	108.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.06%
24) Chloroform-d	4.65	84	128198	51.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.16%
26) 1,2-Dichloroethane-d4	5.31	65	76592	49.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.02%
32) Benzene-d6	5.34	84	273209	51.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.22%
36) 1,2-Dichloropropane-d6	6.33	67	93368	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.84%
41) Toluene-d8	7.56	98	245430	50.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.34%
43) trans-1,3-Dichloropropene-	7.85	79	41346	50.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.62%
47) 2-Hexanone-d5	8.31	63	93611	108.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.54%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	128350	50.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	91377	50.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.58%

Target Compounds

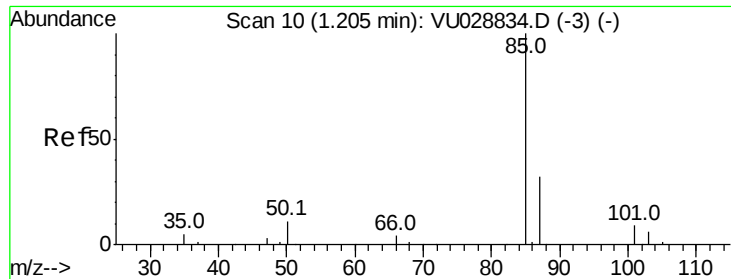
					Ovalue
2) Dichlorodifluoromethane	1.21	85	83569	51.481	ug/L 100
3) Chloromethane	1.33	50	104302	47.252	ug/L 99
5) Vinyl chloride	1.40	62	99437	50.993	ug/L 99
6) Bromomethane	1.61	94	41362	49.796	ug/L 98
8) Chloroethane	1.69	64	56654	50.900	ug/L 100
9) Trichlorofluoromethane	1.88	101	103466	51.887	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	67742	52.506	ug/L 99
12) 1,1-Dichloroethene	2.28	96	64215	50.309	ug/L 89
13) Acetone	2.32	43	126794	111.269	ug/L 100
14) Carbon disulfide	2.47	76	220333	49.431	ug/L 100
15) Methyl Acetate	2.61	43	90311	50.835	ug/L 99
16) Methylene chloride	2.70	84	80458	51.114	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	71424	51.649	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	223860	52.643	ug/L 99
19) 1,1-Dichloroethane	3.44	63	138492	51.518	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	81201	51.835	ug/L 97
22) 2-Butanone	4.26	43	152867	110.163	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	38181	51.128	ug/L	96
25) Chloroform	4.67	83	130990	51.195	ug/L	98
27) 1,2-Dichloroethane	5.40	62	98301	51.696	ug/L	99
29) Cyclohexane	4.99	56	132016	52.422	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	102442	51.152	ug/L	98
31) Carbon tetrachloride	5.13	117	81804	50.654	ug/L	99
33) Benzene	5.39	78	317395	52.690	ug/L	100
34) Trichloroethene	6.18	95	76117	52.339	ug/L	97
35) Methylcyclohexane	6.41	83	131289	54.203	ug/L	99
37) 1,2-Dichloropropane	6.43	63	88449	52.527	ug/L	100
38) Bromodichloromethane	6.76	83	97896	52.499	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	126198	52.568	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	244065	107.835	ug/L	99
42) Toluene	7.64	91	327292	53.599	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	113808	53.183	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	75537	52.466	ug/L	99
46) Tetrachloroethene	8.22	164	59185	52.841	ug/L	98
48) 2-Hexanone	8.36	43	203072	109.318	ug/L	99
49) Dibromochloromethane	8.48	129	73464	51.227	ug/L	99
50) 1,2-Dibromoethane	8.58	107	79457	53.044	ug/L	99
51) Chlorobenzene	9.12	112	202129	52.522	ug/L	99
52) Ethylbenzene	9.25	91	350333	53.394	ug/L	98
53) m,p-Xylene	9.37	106	131763	54.306	ug/L	99
54) o-xylene	9.78	106	131792	54.196	ug/L	99
55) Styrene	9.79	104	221991	53.901	ug/L	98
56) Isopropylbenzene	10.17	105	332586	53.914	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	134367	51.373	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	103311	51.412	ug/L	100
61) Bromoform	9.96	173	55811	50.117	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	149471	52.378	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	152703	51.938	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	156162	52.458	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	25282	49.235	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	112785	53.604	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	97471	55.320	ug/L	98
69) Naphthalene	13.74	128	331699	54.224	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	104904	55.215	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 51.481 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028860.D

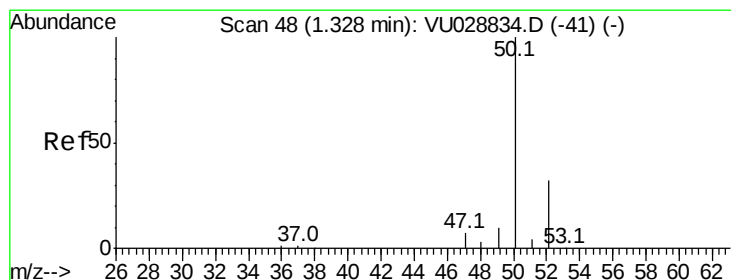
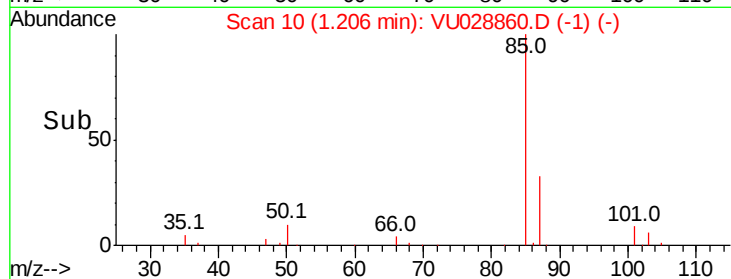
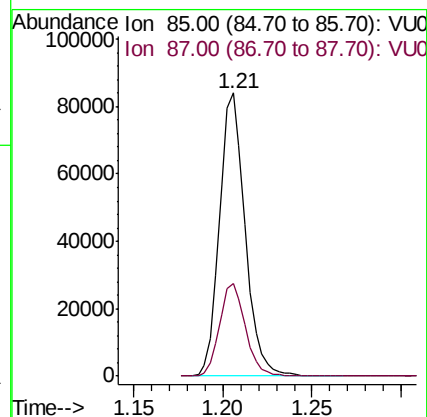
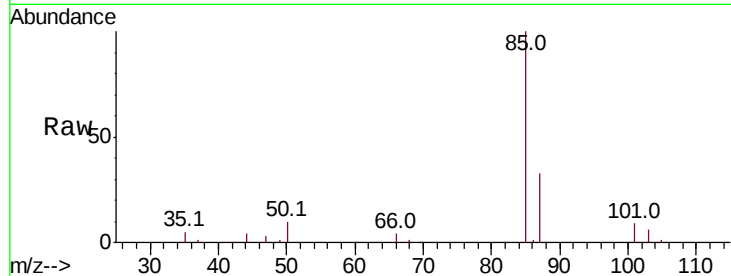
Acq: 21 Dec 2018 09:25

Tot Ion: 85 Resp: 83569

Ion Ratio Lower Upper

85 100

87 33.0 26.3 39.5



#3

Chloromethane

Concen: 47.252 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028860.D

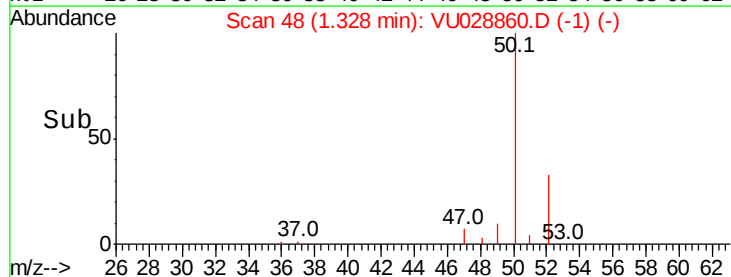
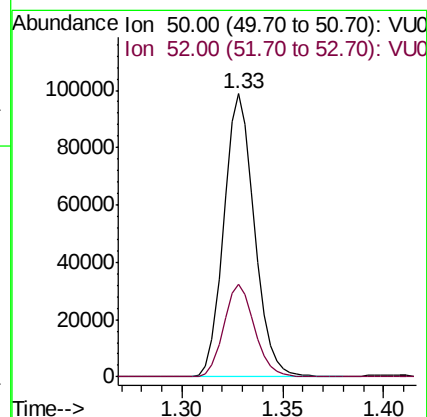
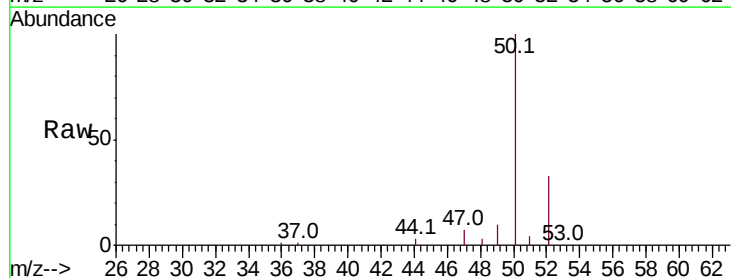
Acq: 21 Dec 2018 09:25

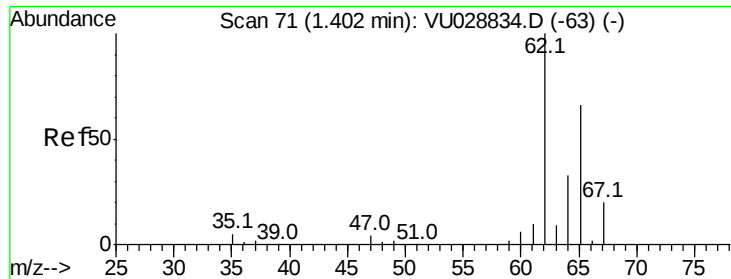
Tgt Ion: 50 Resp: 104302

Ion Ratio Lower Upper

50 100

52 32.5 22.3 41.3





#5

Vinyl chloride

Concen: 50.993 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028860.D

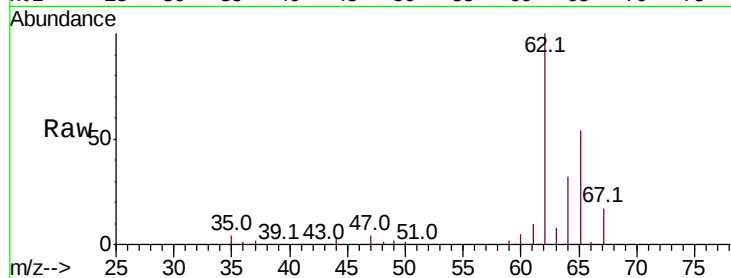
Acq: 21 Dec 2018 09:25

Tot Ion: 62 Resp: 99437

Ion Ratio Lower Upper

62 100

64 32.3 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

100000

80000

60000

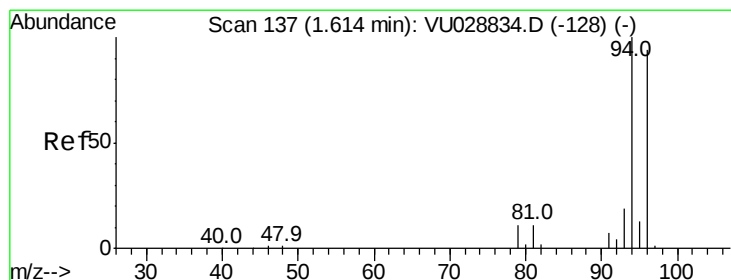
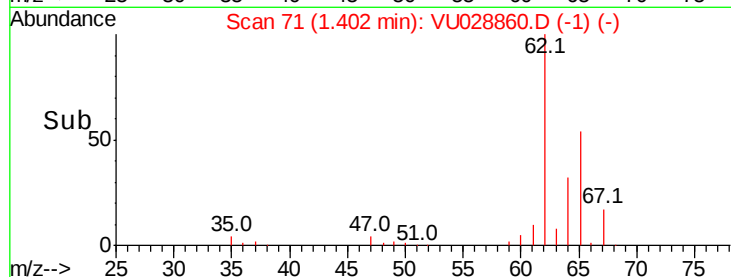
40000

20000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 49.796 ug/L

RT: 1.61 min Scan# 136

Delta R.T. -0.00 min

Lab File: VU028860.D

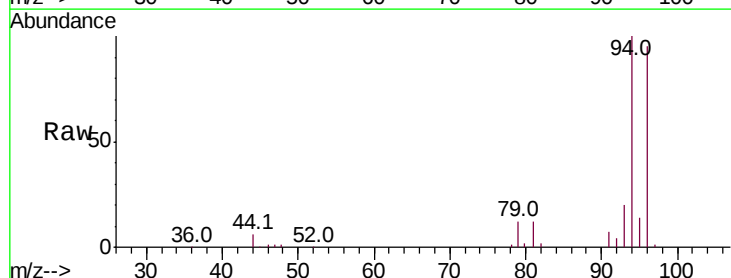
Acq: 21 Dec 2018 09:25

Tgt Ion: 94 Resp: 41362

Ion Ratio Lower Upper

94 100

96 94.6 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

40000

30000

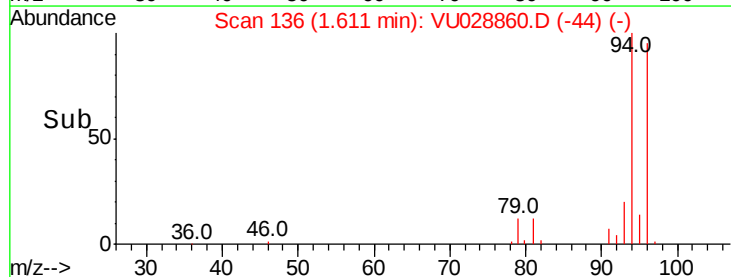
20000

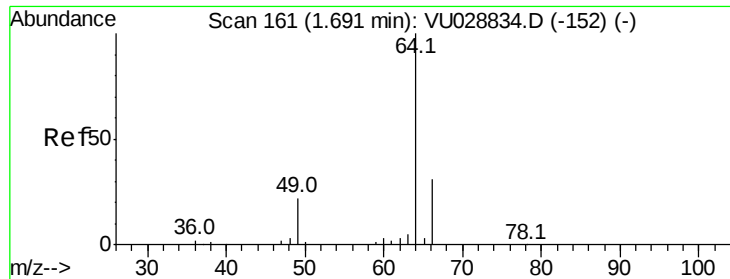
10000

0

1.55 1.60 1.65

Time-->





#8

Chloroethane

Concen: 50.900 ug/L

RT: 1.69 min Scan# 160

Delta R.T. -0.00 min

Lab File: VU028860.D

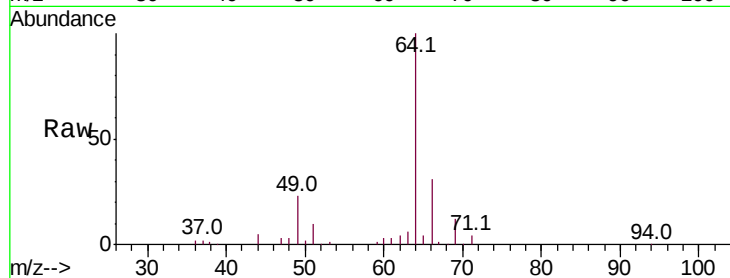
Acq: 21 Dec 2018 09:25

Tot Ion: 64 Resp: 56654

Ion Ratio Lower Upper

64 100

66 30.6 21.5 39.9



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.69

40000

30000

20000

10000

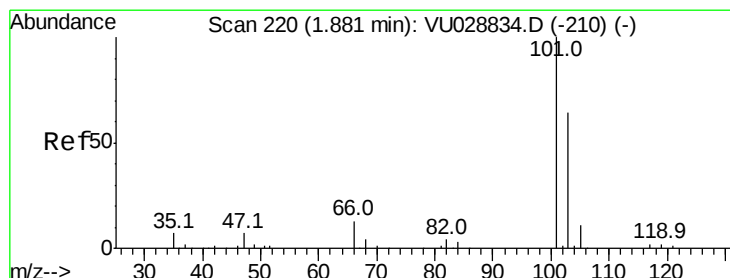
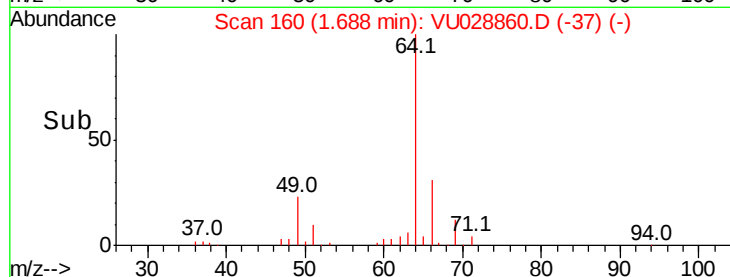
0

1.65

1.70

1.75

Time-->



#9

Trichlorofluoromethane

Concen: 51.887 ug/L

RT: 1.88 min Scan# 220

Delta R.T. 0.00 min

Lab File: VU028860.D

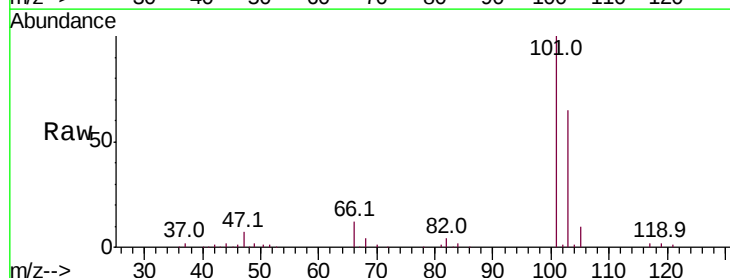
Acq: 21 Dec 2018 09:25

Tgt Ion:101 Resp: 103466

Ion Ratio Lower Upper

101 100

103 64.9 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.88

80000

60000

40000

20000

0

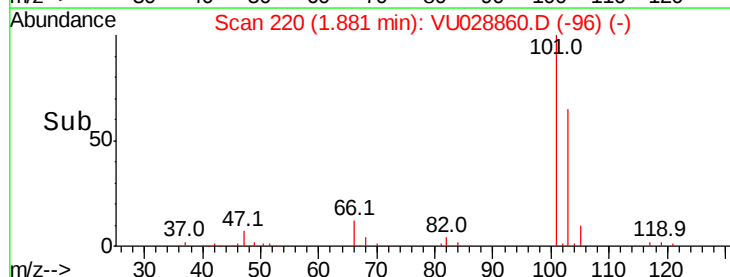
1.80

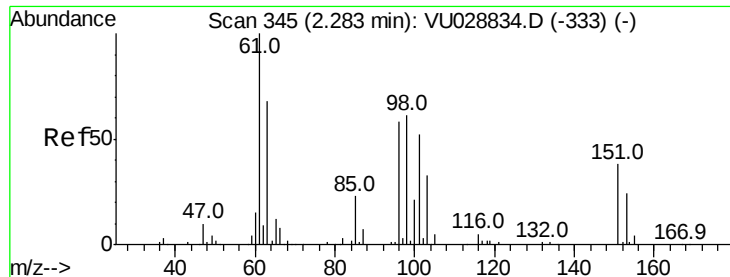
1.85

1.90

1.95

Time-->





#10

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

Concen: 52.506 ug/L

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

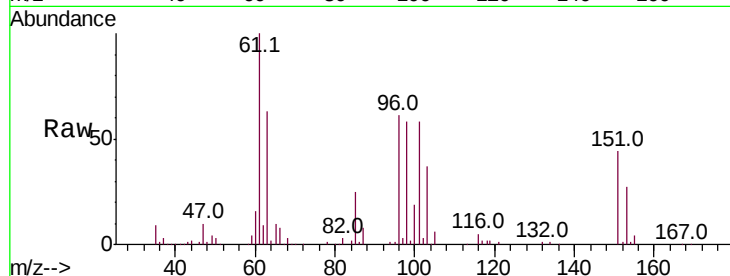
Tot Ion:101 Resp: 67742

Ion Ratio Lower Upper

101 100

85 42.9 33.8 50.6

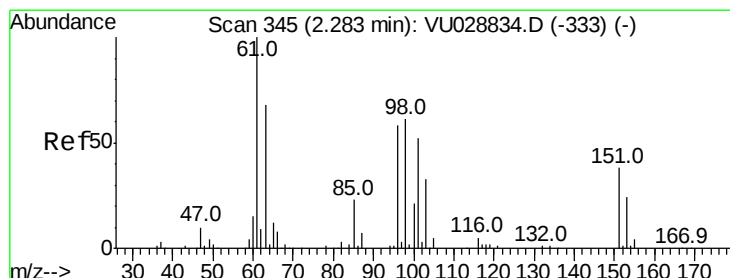
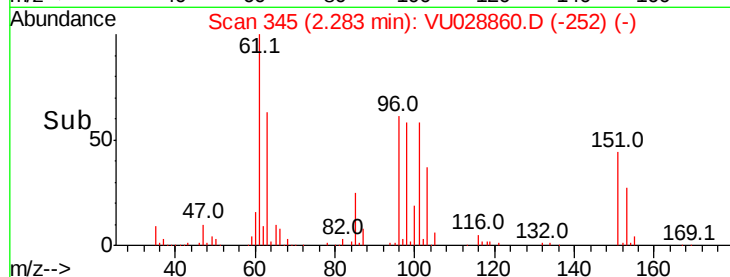
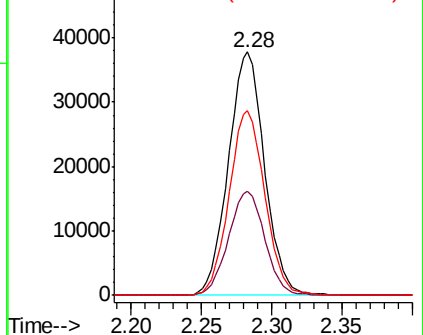
151 75.2 59.4 89.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.309 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

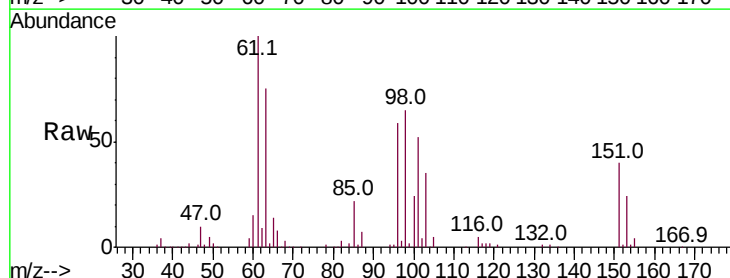
Tgt Ion: 96 Resp: 64215

Ion Ratio Lower Upper

96 100

61 168.3 119.3 221.5

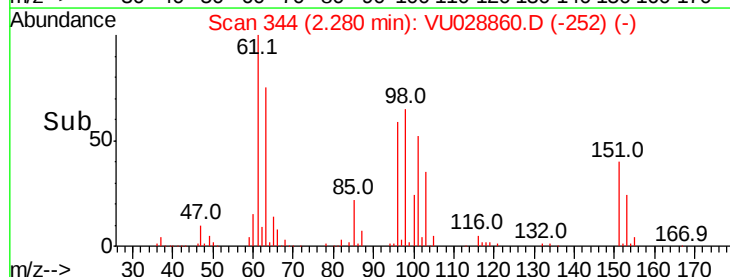
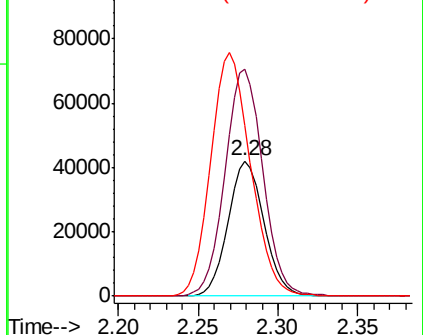
63 126.5 107.4 199.6

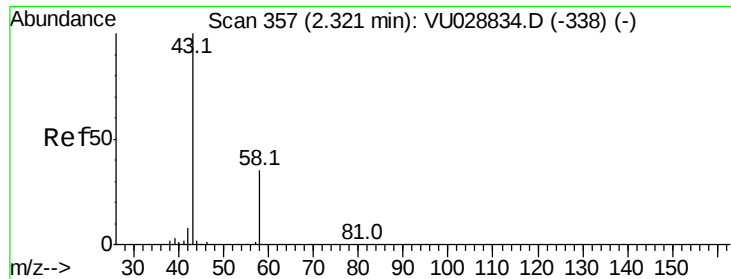


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 111.269 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028860.D

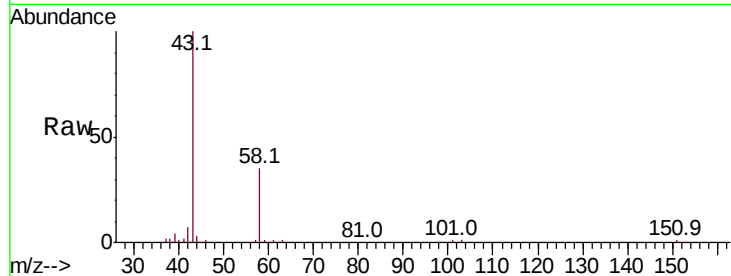
Acq: 21 Dec 2018 09:25

Tot Ion: 43 Resp: 126794

Ion Ratio Lower Upper

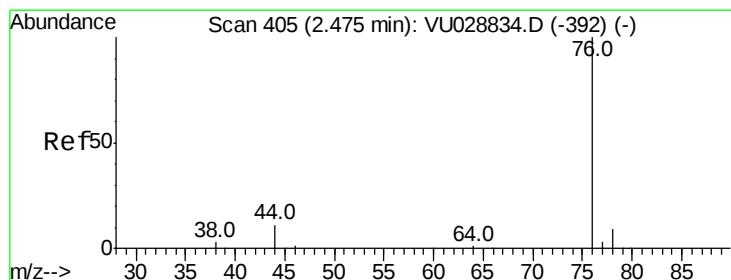
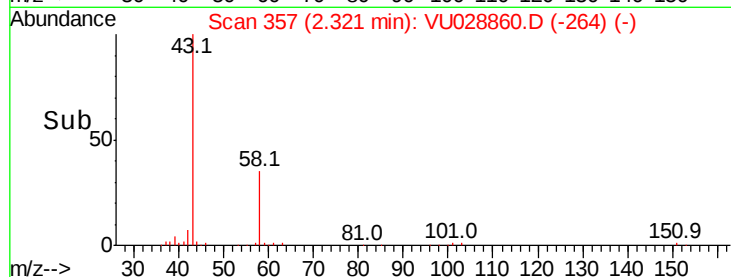
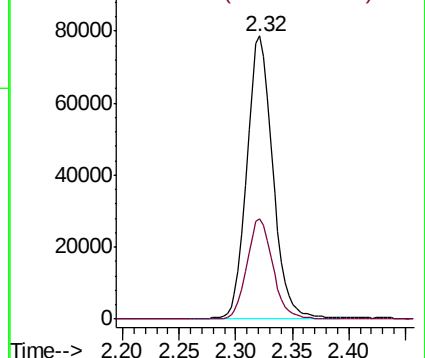
43 100

58 35.2 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU028834.D (-338) (-)

Ion 58.00 (57.70 to 58.70): VU028834.D (-338) (-)



#14

Carbon disulfide

Concen: 49.431 ug/L

RT: 2.47 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU028860.D

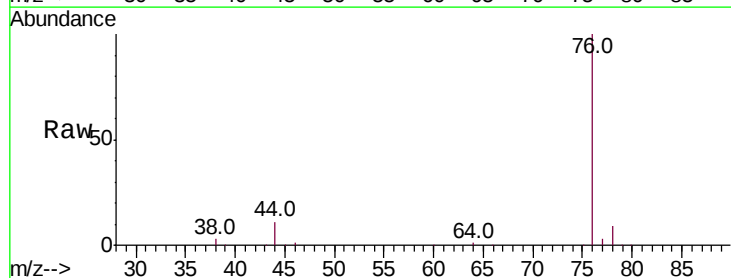
Acq: 21 Dec 2018 09:25

Tgt Ion: 76 Resp: 220333

Ion Ratio Lower Upper

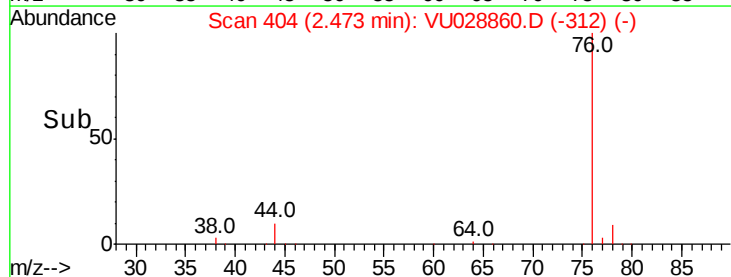
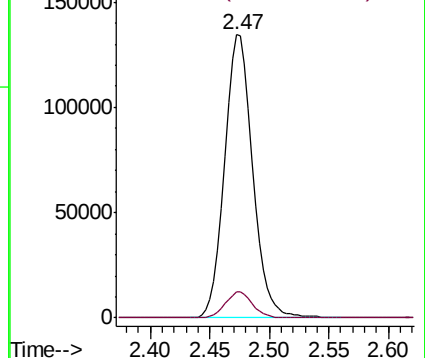
76 100

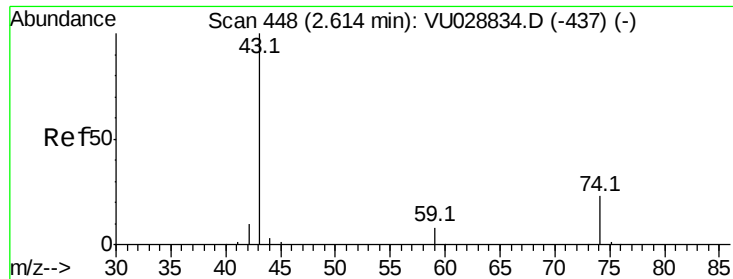
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU028834.D (-392) (-)

Ion 78.00 (77.70 to 78.70): VU028834.D (-392) (-)





#15

Methyl Acetate

Concen: 50.835 ug/L

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU028860.D

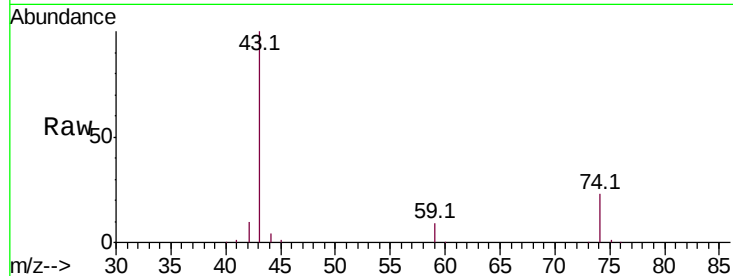
Acq: 21 Dec 2018 09:25

Tot Ion: 43 Resp: 90311

Ion Ratio Lower Upper

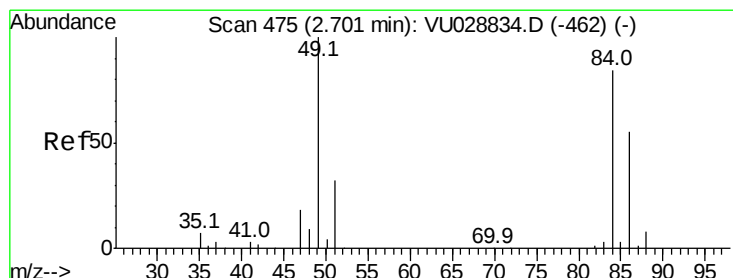
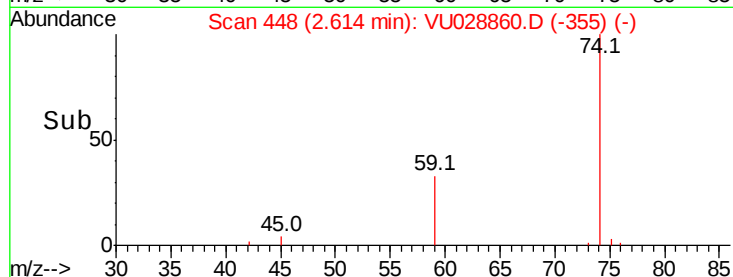
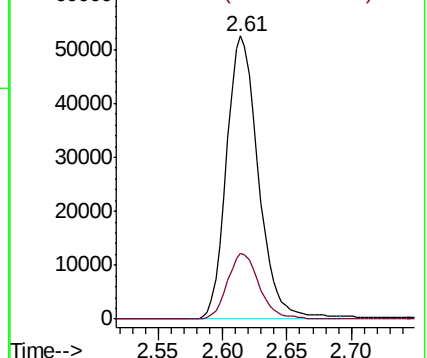
43 100

74 23.1 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 51.114 ug/L

RT: 2.70 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

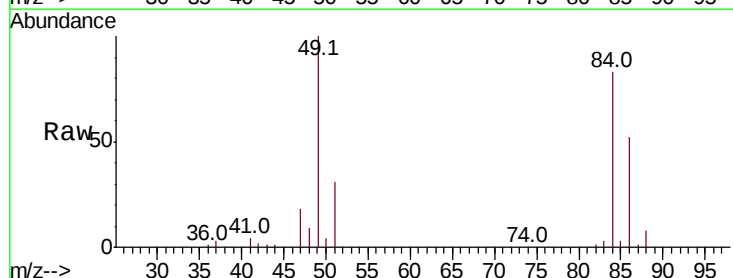
Tgt Ion: 84 Resp: 80458

Ion Ratio Lower Upper

84 100

86 62.9 44.9 83.3

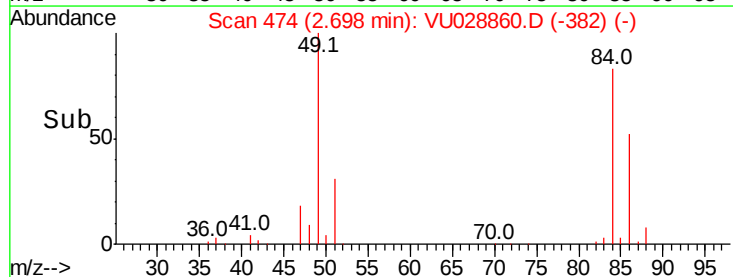
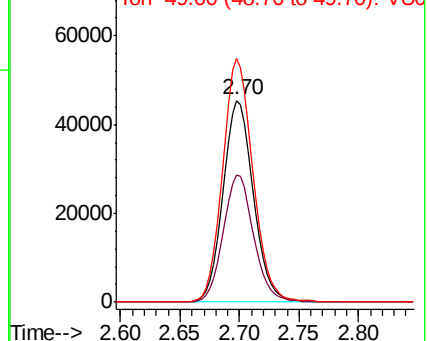
49 120.9 83.9 155.7

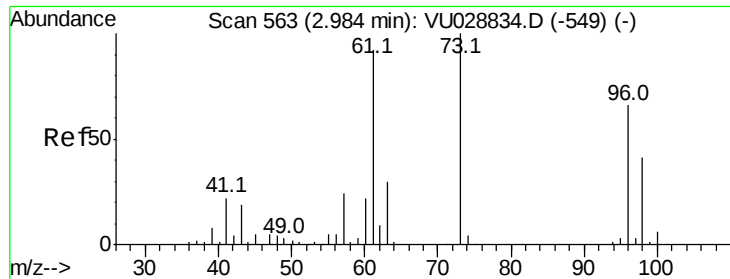


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 51.649 ug/L

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

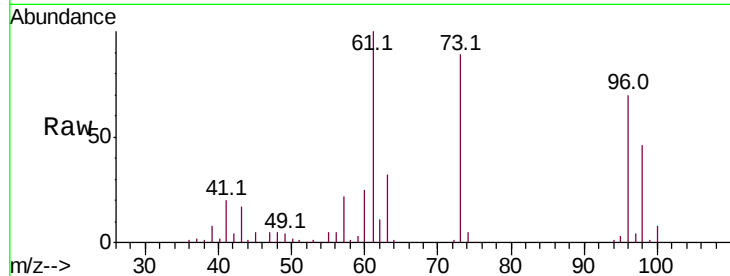
Tot Ion: 96 Resp: 71424

Ion Ratio Lower Upper

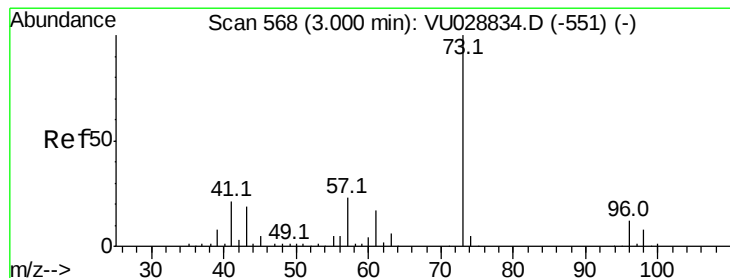
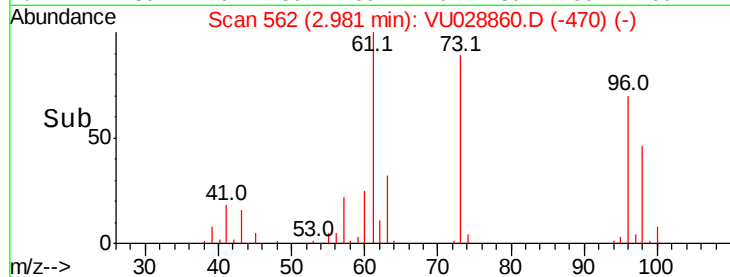
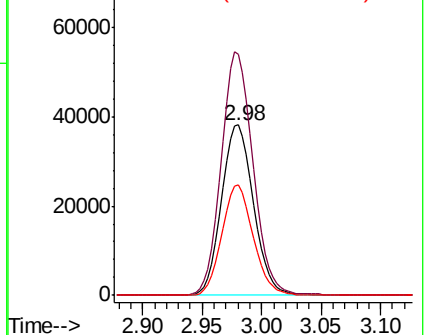
96 100

61 141.9 97.9 181.7

98 65.2 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 52.643 ug/L

RT: 3.00 min Scan# 567

Delta R.T. -0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

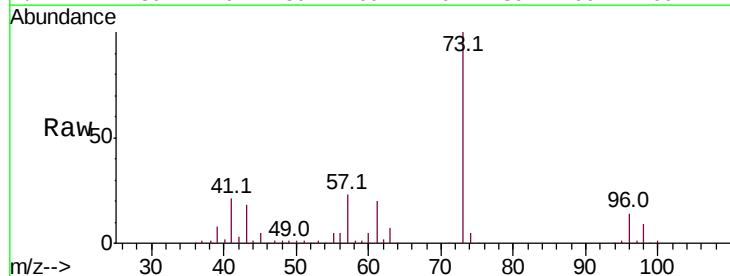
Tgt Ion: 73 Resp: 223860

Ion Ratio Lower Upper

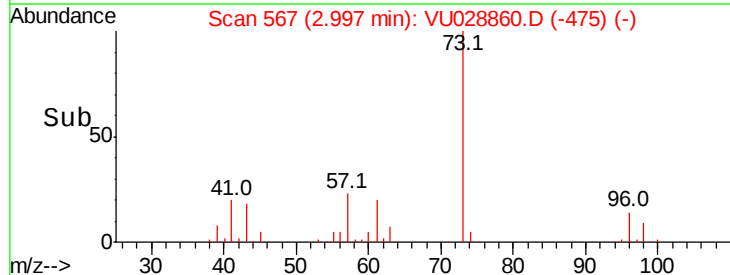
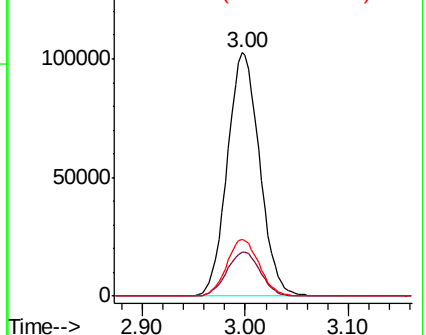
73 100

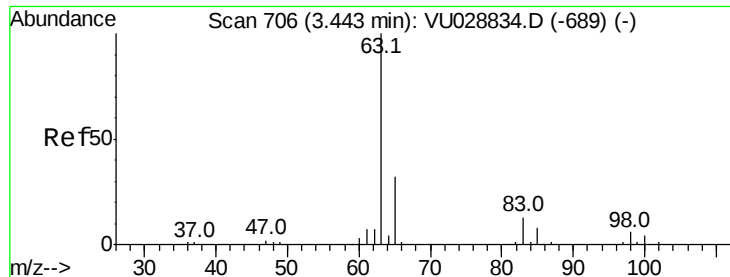
43 18.9 15.3 22.9

57 23.5 19.0 28.4



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 51.518 ug/L

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

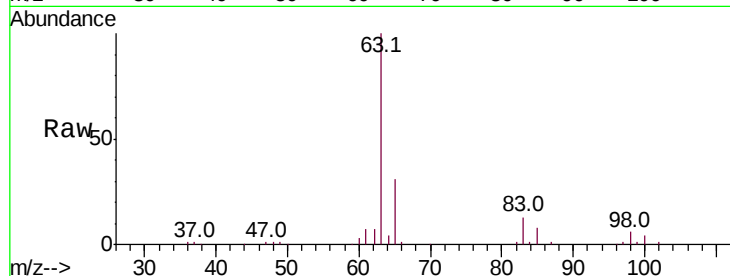
Tot Ion: 63 Resp: 138492

Ion Ratio Lower Upper

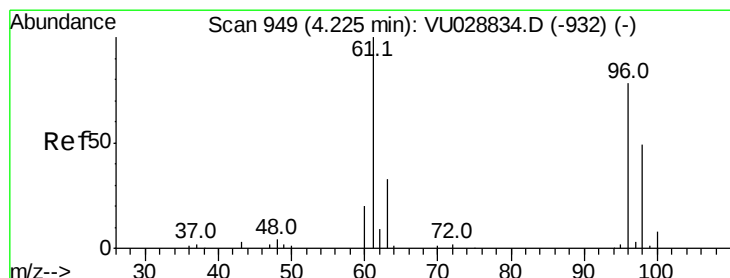
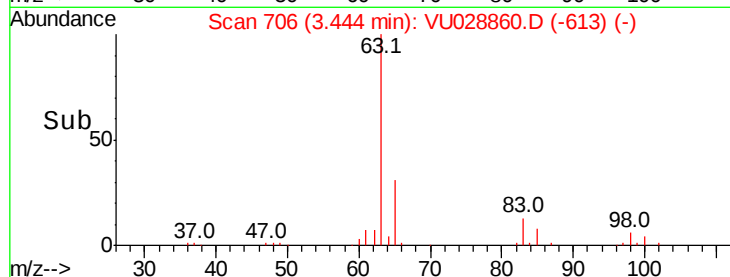
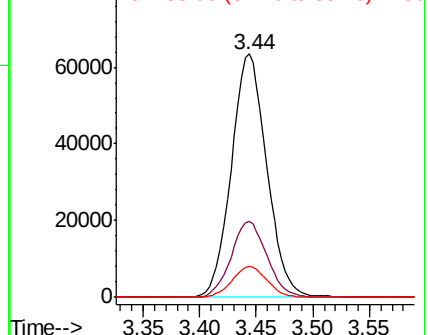
63 100

65 31.4 22.7 42.1

83 12.8 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 51.835 ug/L

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

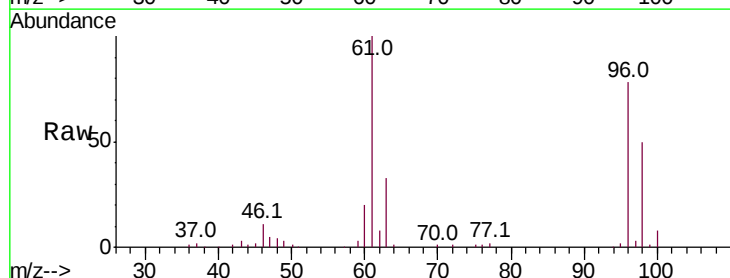
Tgt Ion: 96 Resp: 81201

Ion Ratio Lower Upper

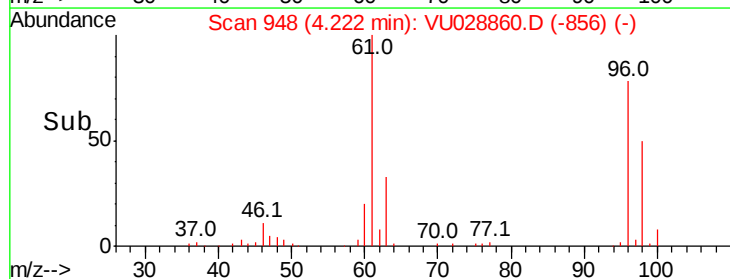
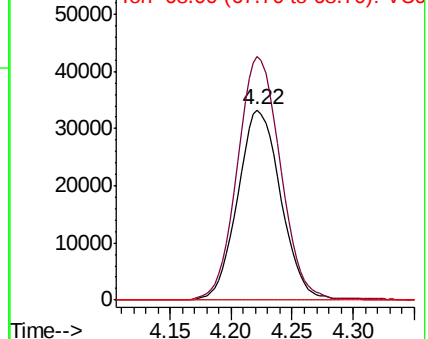
96 100

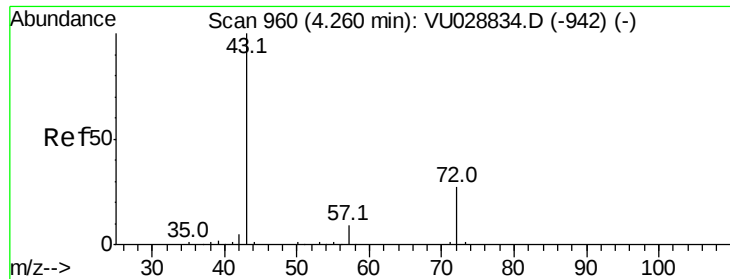
61 127.9 92.1 171.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 110.163 ug/L

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028860.D

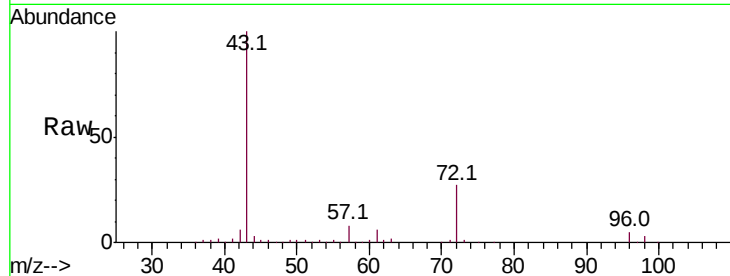
Acq: 21 Dec 2018 09:25

Tot Ion: 43 Resp: 152867

Ion Ratio Lower Upper

43 100

72 27.4 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VU028834.D (-942) (-)

Ion 72.00 (71.70 to 72.70): VU028834.D (-942) (-)

4.26

60000

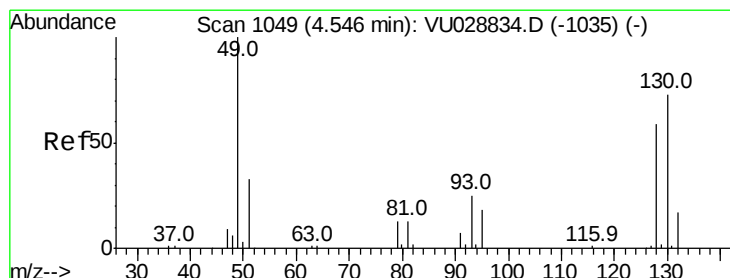
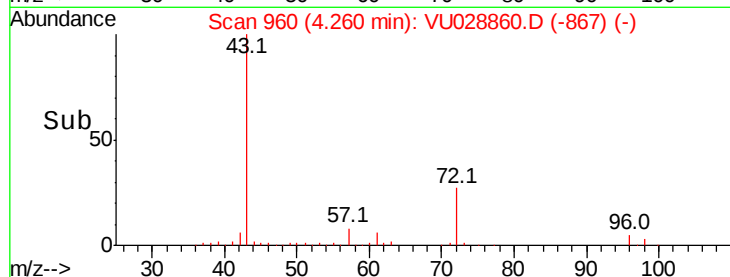
40000

20000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 51.128 ug/L

RT: 4.55 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

Tgt Ion:128 Resp: 38181

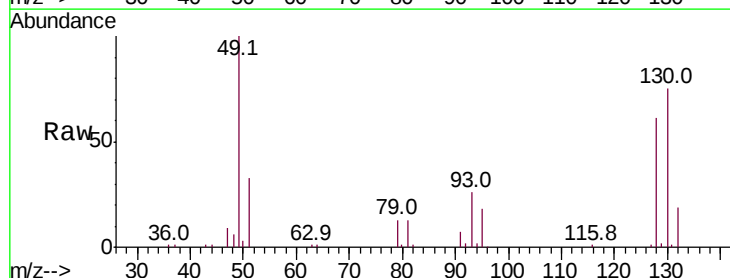
Ion Ratio Lower Upper

128 100

49 164.7 123.0 228.4

130 123.9 86.5 160.7

51 54.0 44.1 66.1



Abundance Ion 128.00 (127.70 to 128.70): VU028834.D (-1035) (-)

Ion 49.00 (48.70 to 49.70): VU028834.D (-1035) (-)

Ion 130.00 (129.70 to 130.70): VU028834.D (-1035) (-)

Ion 51.00 (50.70 to 51.70): VU028834.D (-1035) (-)

4.55

40000

30000

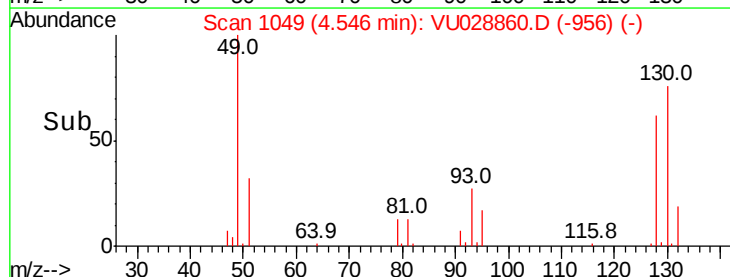
20000

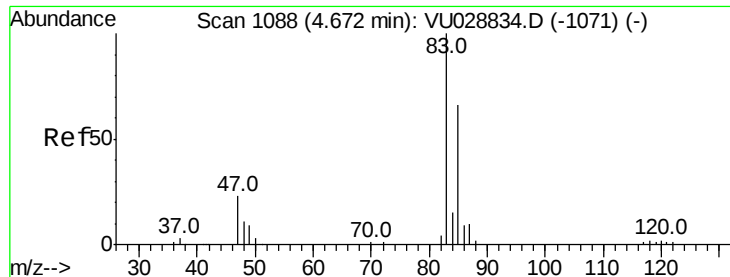
10000

0

4.45 4.50 4.55 4.60 4.65

Time-->





#25

Chloroform

Concen: 51.195 ug/L

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU028860.D

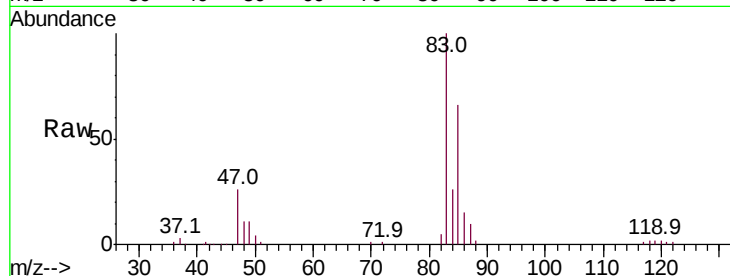
Acq: 21 Dec 2018 09:25

Tot Ion: 83 Resp: 130990

Ion Ratio Lower Upper

83 100

85 66.3 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.67

60000

50000

40000

30000

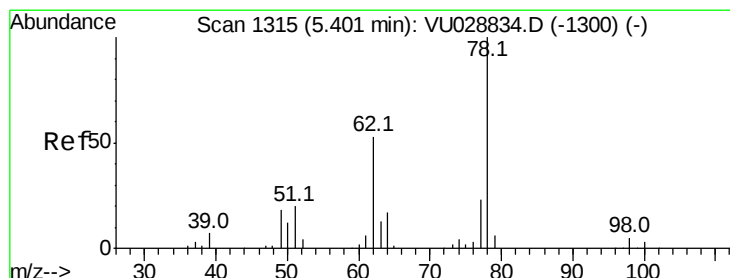
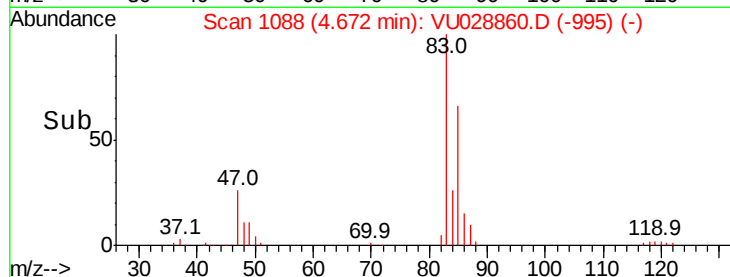
20000

10000

0

Time-->

4.60 4.65 4.70 4.75



#27

1,2-Dichloroethane

Concen: 51.696 ug/L

RT: 5.40 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU028860.D

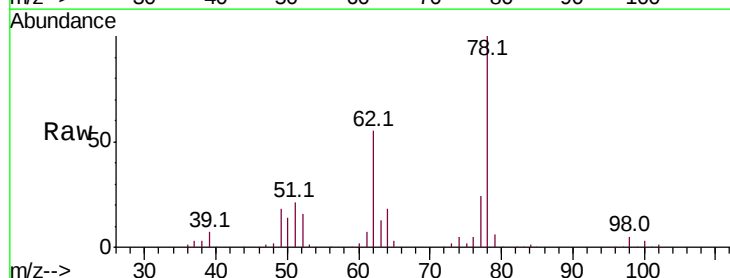
Acq: 21 Dec 2018 09:25

Tgt Ion: 62 Resp: 98301

Ion Ratio Lower Upper

62 100

98 9.2 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.40

50000

40000

30000

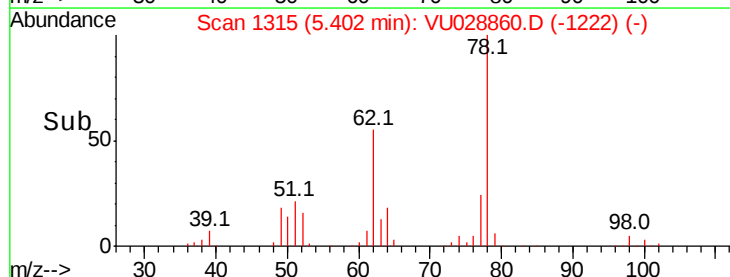
20000

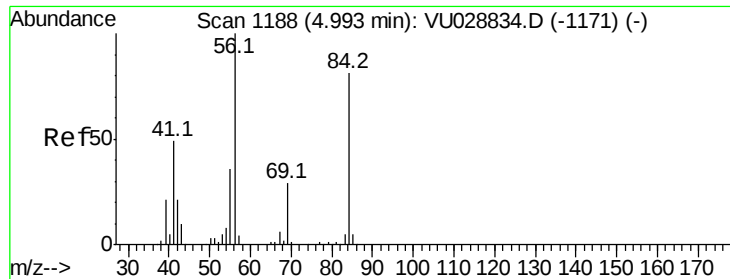
10000

0

Time-->

5.30 5.35 5.40 5.45 5.50





#29

Cyclohexane

Concen: 52.422 ug/L

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

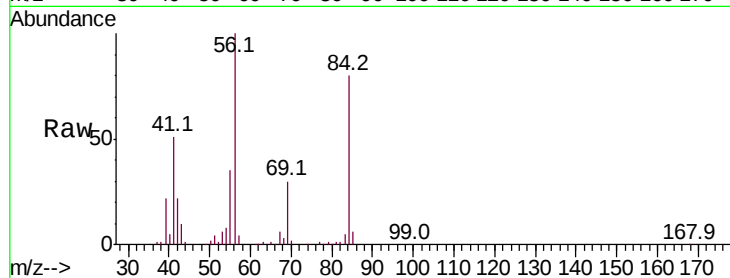
Tot Ion: 56 Resp: 132016

Ion Ratio Lower Upper

56 100

69 30.1 23.8 35.8

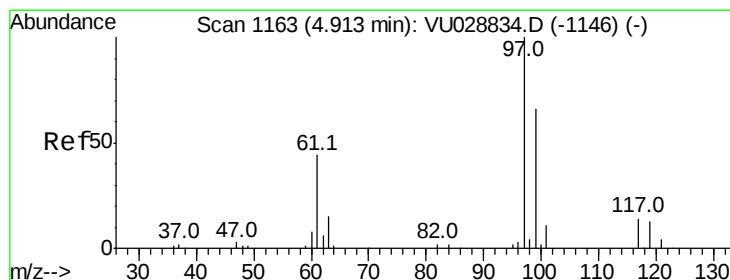
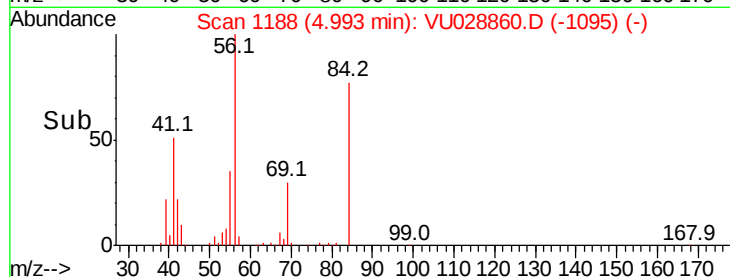
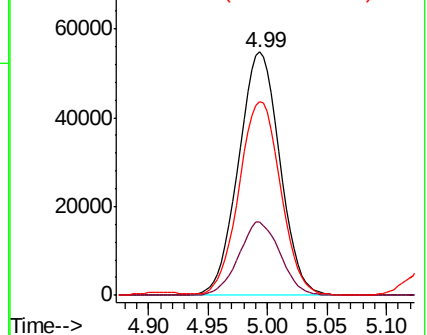
84 80.6 63.8 95.8



Abundance Ion 56.00 (55.70 to 56.70): VU028834.D (-1171) (-)

Ion 69.00 (68.70 to 69.70): VU028834.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU028834.D (-1171) (-)



#30

1,1,1-Trichloroethane

Concen: 51.152 ug/L

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

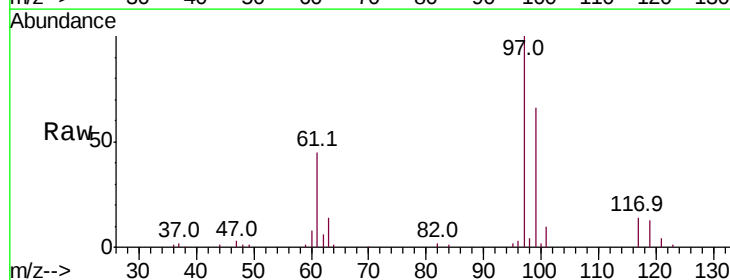
Tgt Ion: 97 Resp: 102442

Ion Ratio Lower Upper

97 100

99 65.5 51.2 76.8

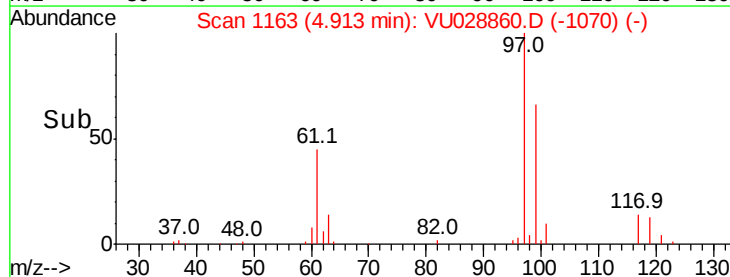
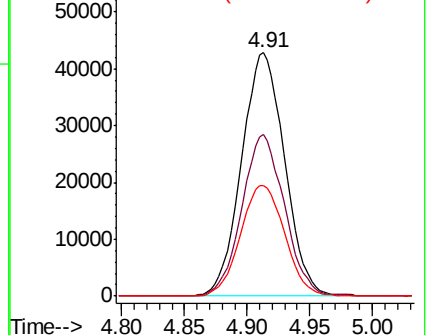
61 46.7 36.1 54.1

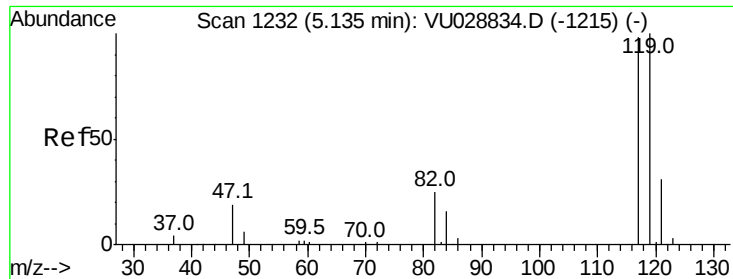


Abundance Ion 97.00 (96.70 to 97.70): VU028834.D (-1146) (-)

Ion 99.00 (98.70 to 99.70): VU028834.D (-1146) (-)

Ion 61.05 (60.75 to 61.75): VU028834.D (-1146) (-)





#31

Carbon tetrachloride

Concen: 50.654 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU028860.D

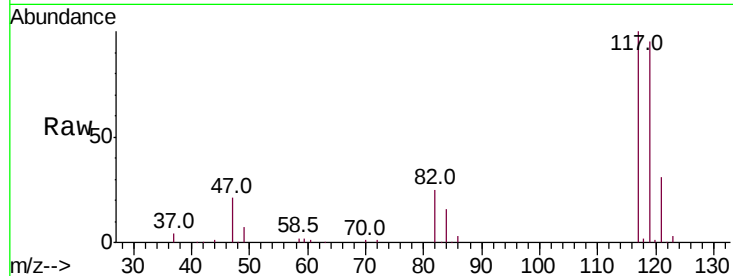
Acq: 21 Dec 2018 09:25

Tot Ion:117 Resp: 81804

Ion Ratio Lower Upper

117 100

119 95.6 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.13

40000

30000

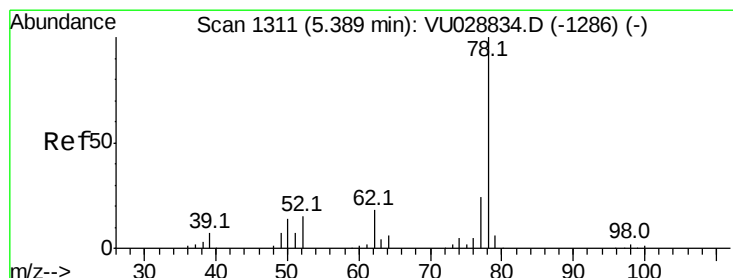
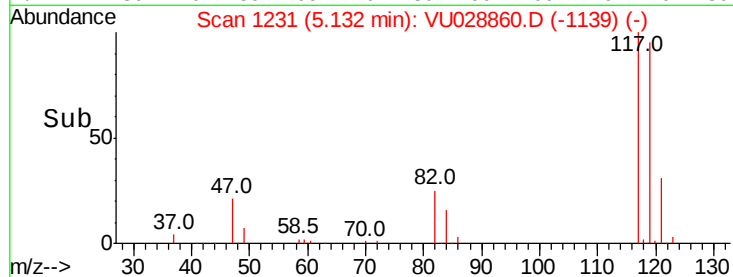
20000

10000

0

Time-->

5.05 5.10 5.15 5.20 5.25



#33

Benzene

Concen: 52.690 ug/L

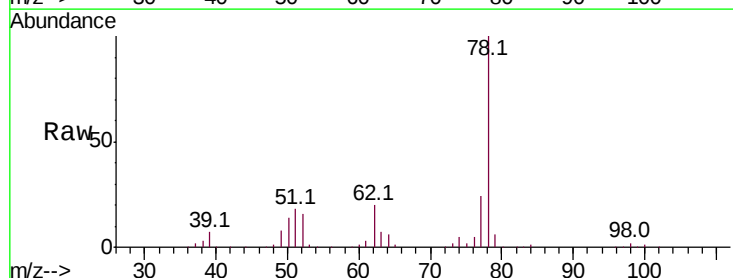
RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

Tgt Ion: 78 Resp: 317395



Abundance Ion 78.00 (77.70 to 78.70): VU0

150000

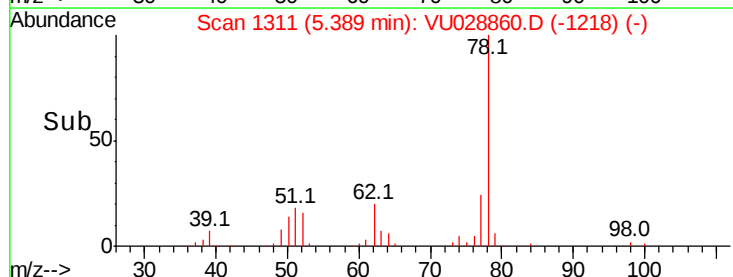
100000

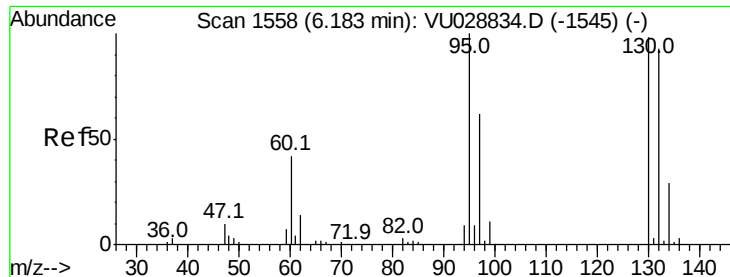
50000

0

Time-->

5.30 5.40





#34

Trichloroethene

Concen: 52.339 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

Tot Ion: 95 Resp: 76117

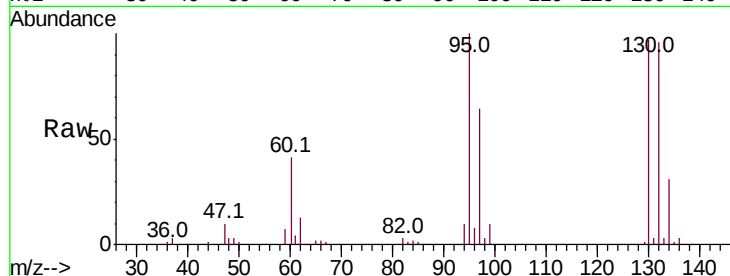
Ion Ratio Lower Upper

95 100

97 64.2 43.3 80.3

132 95.7 64.2 119.2

130 97.5 67.1 124.7

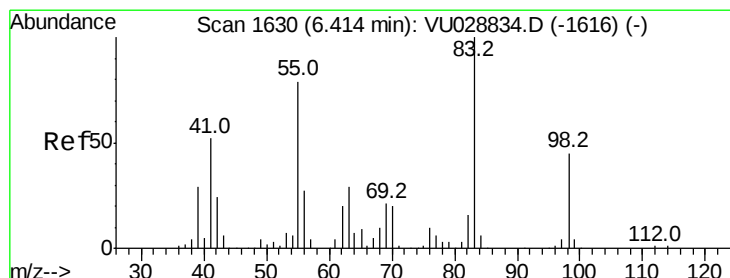
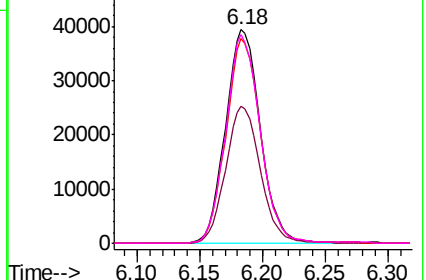
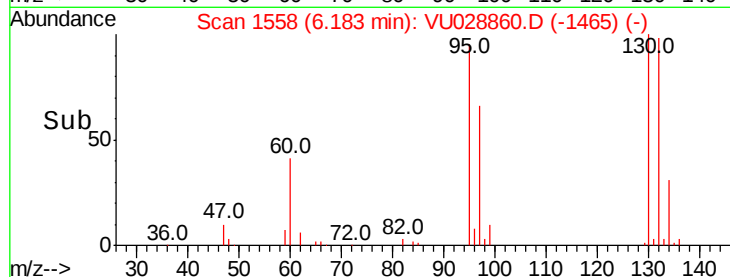


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 54.203 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

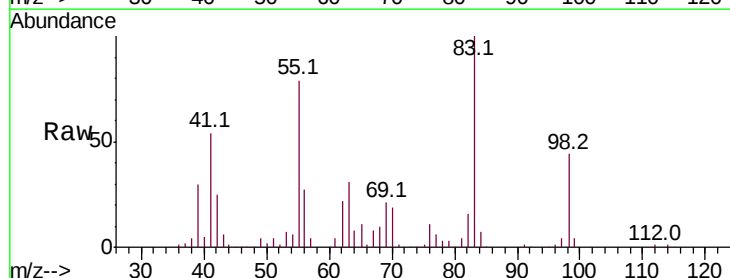
Tgt Ion: 83 Resp: 131289

Ion Ratio Lower Upper

83 100

55 78.6 63.7 95.5

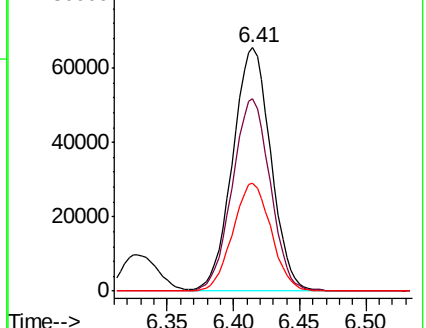
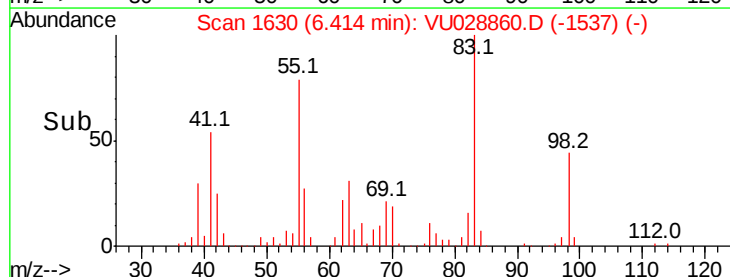
98 44.4 35.6 53.4

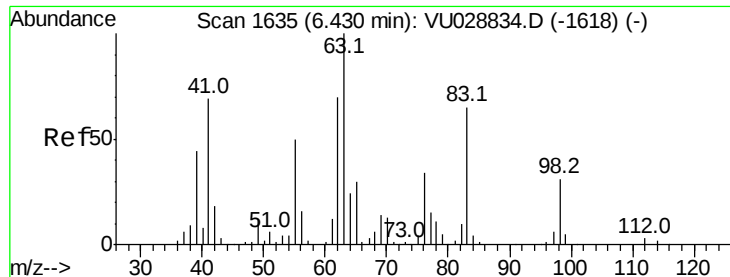


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 52.527 ug/L

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028860.D

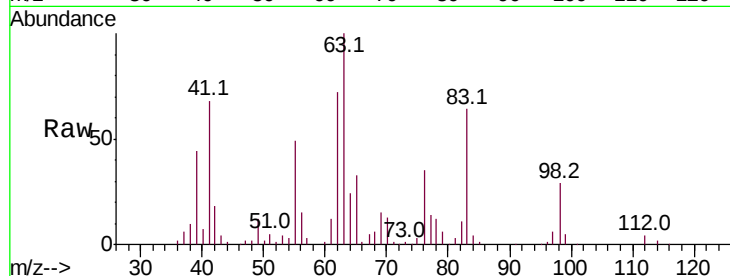
Acq: 21 Dec 2018 09:25

Tot Ion: 63 Resp: 88449

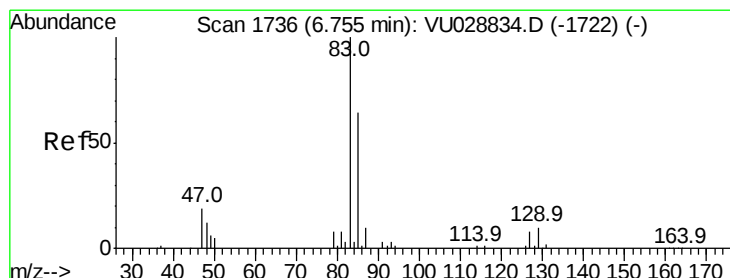
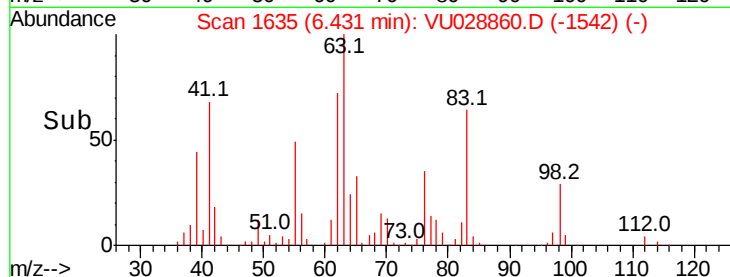
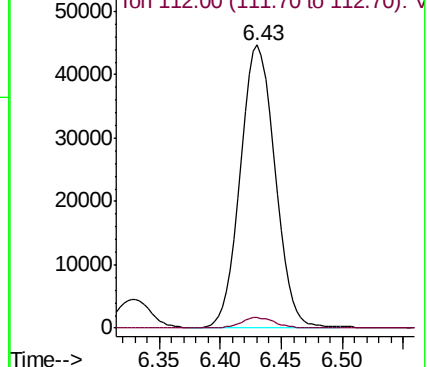
Ion Ratio Lower Upper

63 100

112 3.6 2.7 4.1



Abundance Ion 63.00 (62.70 to 63.70): VU028834.D (-1618) (-)



#38

Bromodichloromethane

Concen: 52.499 ug/L

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

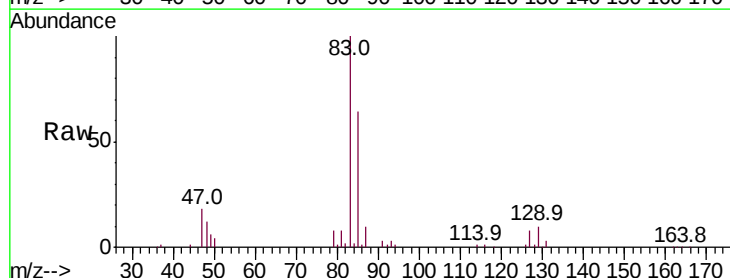
Tgt Ion: 83 Resp: 97896

Ion Ratio Lower Upper

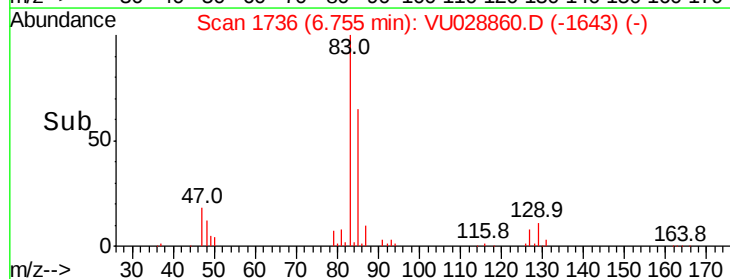
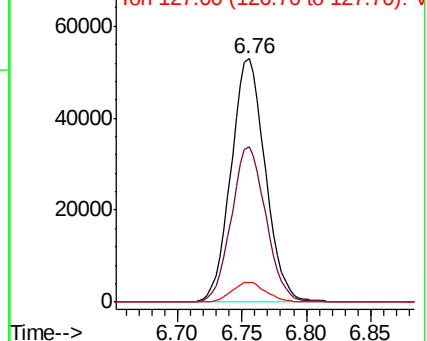
83 100

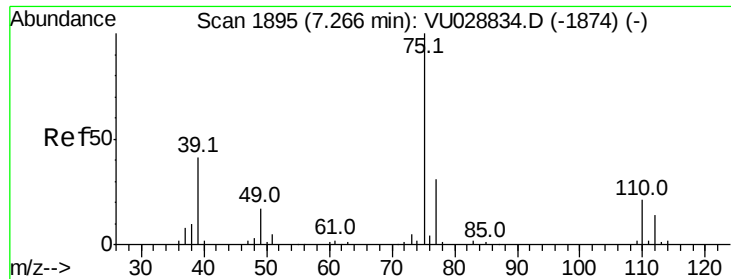
85 63.8 45.4 84.2

127 8.2 6.2 9.2



Abundance Ion 83.00 (82.70 to 83.70): VU028834.D (-1722) (-)





#39

cis-1,3-Dichloropropene

Concen: 52.568 ug/L

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU028860.D

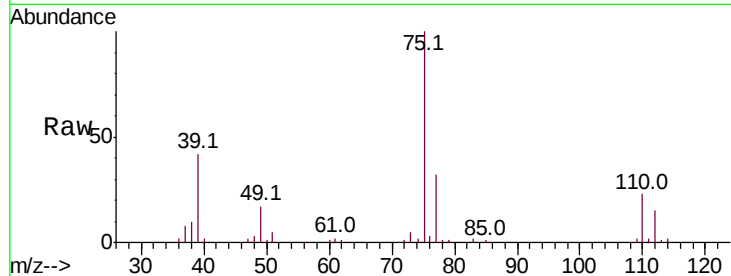
Acq: 21 Dec 2018 09:25

Tot Ion: 75 Resp: 126198

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU028834.D (-1874) (-)

Ion 77.00 (76.70 to 77.70): VU028834.D (-1874) (-)

7.27

60000

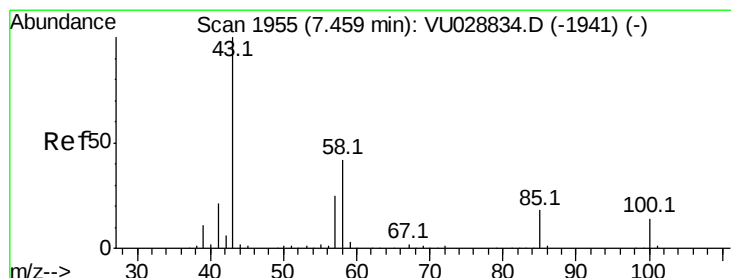
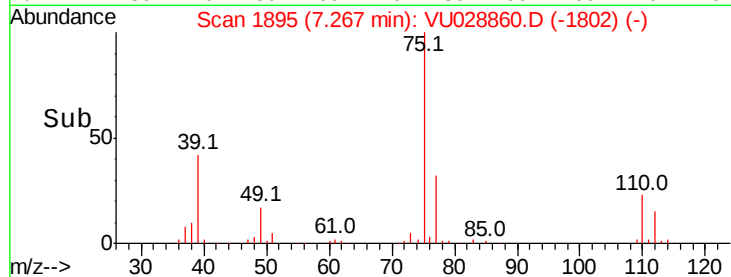
40000

20000

0

7.20 7.30 7.40

Time-->



#40

4-Methyl-2-pentanone

Concen: 107.835 ug/L

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

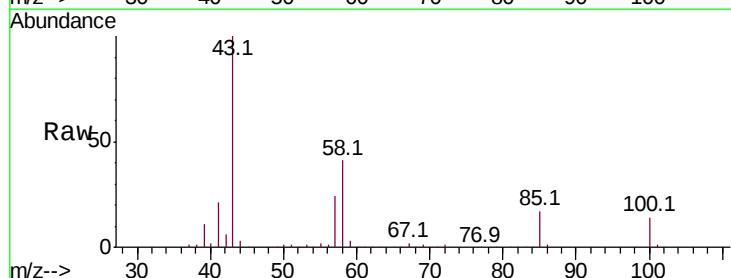
Tgt Ion: 43 Resp: 244065

Ion Ratio Lower Upper

43 100

58 40.9 33.1 49.7

100 14.1 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VU028834.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU028834.D (-1941) (-)

Ion 100.00 (99.70 to 100.70): VU028834.D (-1941) (-)

7.46

150000

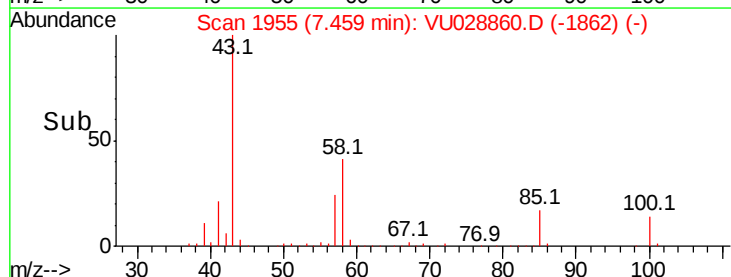
100000

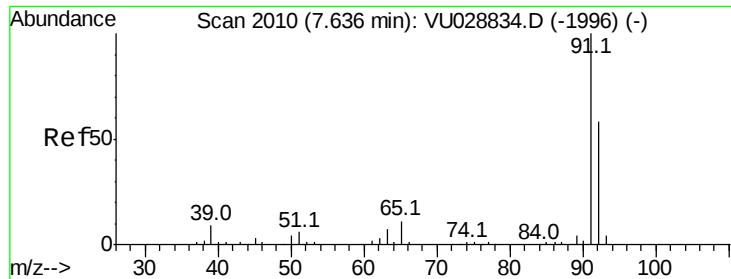
50000

0

7.40 7.45 7.50 7.55

Time-->





#42

Toluene

Concen: 53.599 ug/L

RT: 7.64 min Scan# 2010

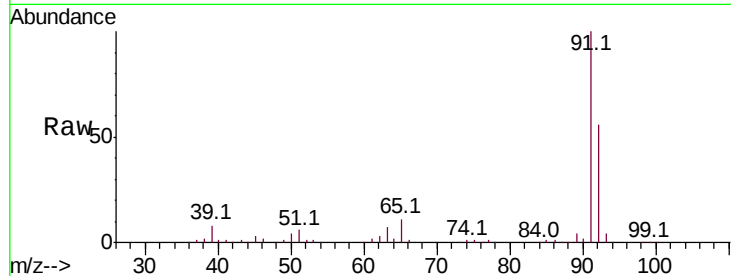
Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

Tot Ion: 91 Resp: 327292

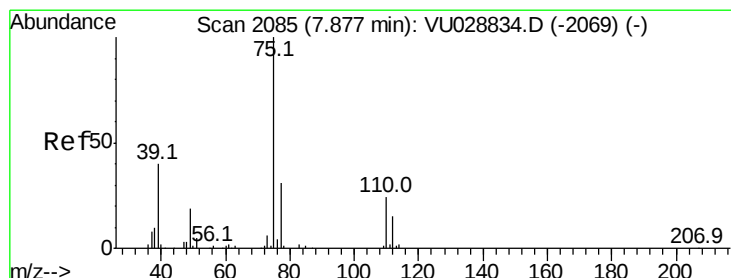
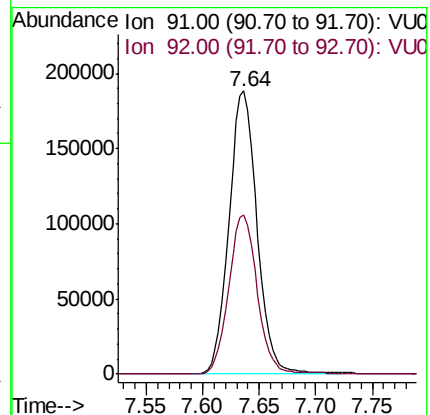
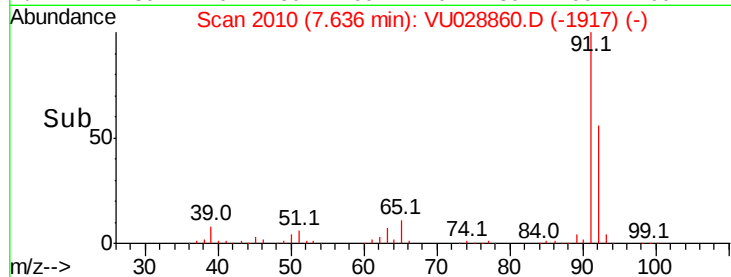
Ion	Ratio	Lower	Upper
91	100		
92	56.2	39.9	74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64



#44

trans-1,3-Dichloropropene

Concen: 53.183 ug/L

RT: 7.88 min Scan# 2085

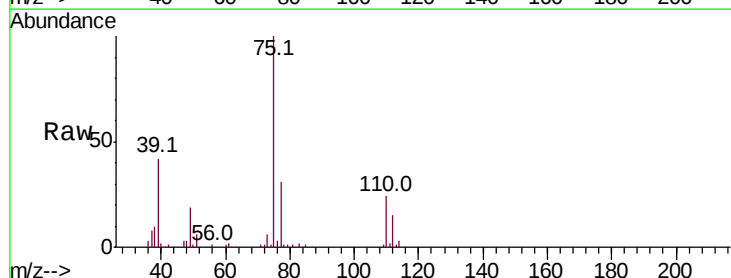
Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

Tgt Ion: 75 Resp: 113808

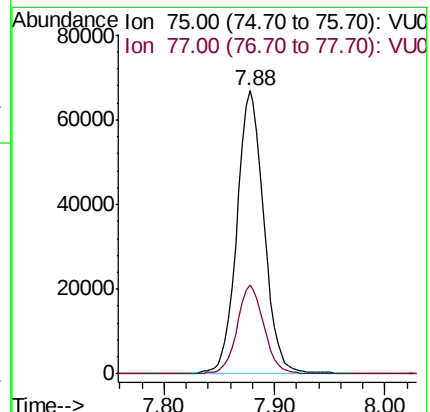
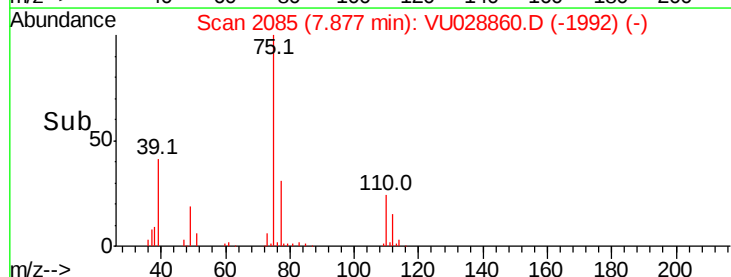
Ion	Ratio	Lower	Upper
75	100		
77	31.3	21.8	40.6

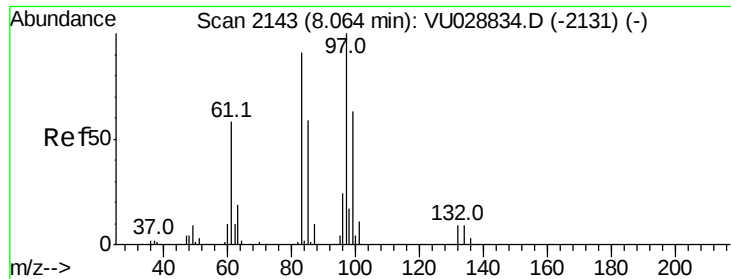


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

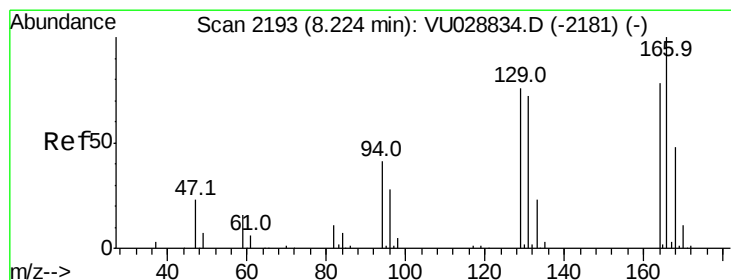
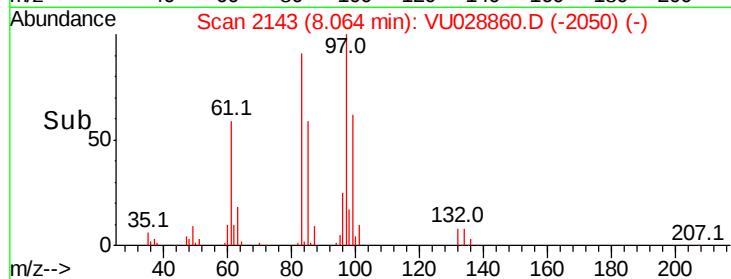
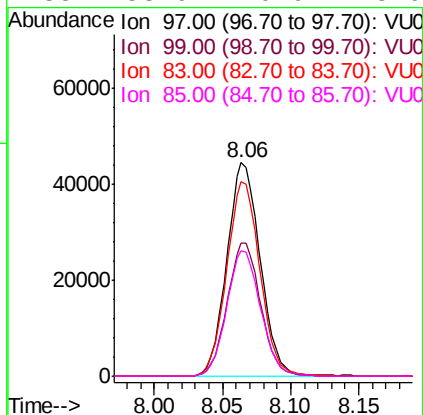
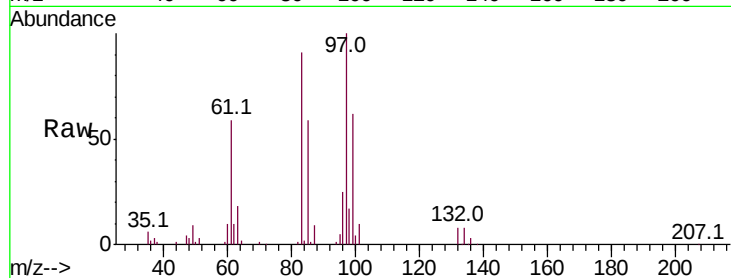
7.88





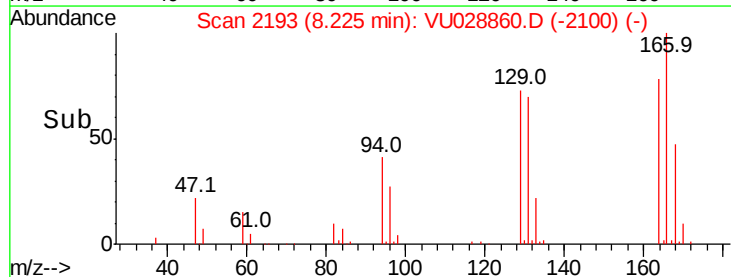
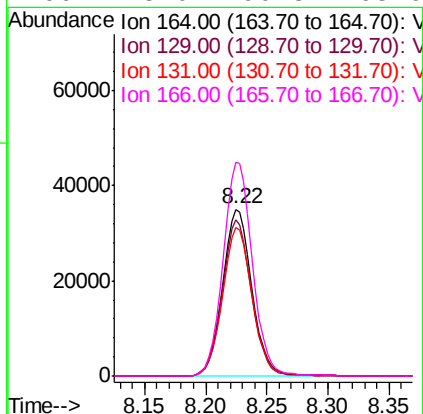
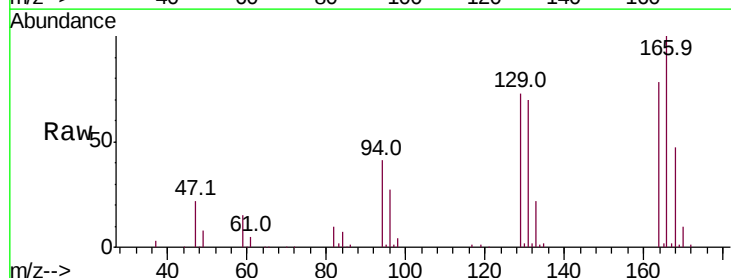
#45
 1,1,2-Trichloroethane
 Concen: 52.466 ug/L
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028860.D
 Acq: 21 Dec 2018 09:25

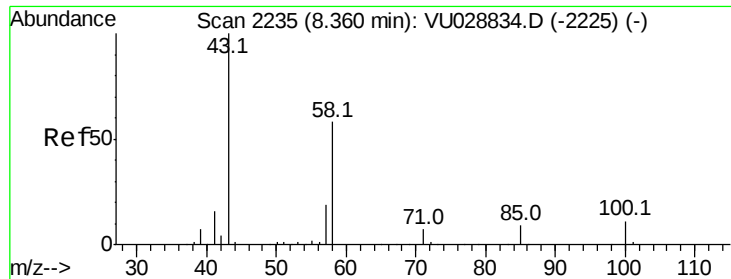
Tot Ion:	97	Resp:	75537
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.2	82.2
83	91.0	64.5	119.9
85	58.9	40.9	75.9



#46
 Tetrachloroethene
 Concen: 52.841 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU028860.D
 Acq: 21 Dec 2018 09:25

Tgt Ion:	164	Resp:	59185
Ion	Ratio	Lower	Upper
164	100		
129	93.4	66.8	124.0
131	89.2	64.2	119.2
166	128.0	90.8	168.6





#48

2-Hexanone

Concen: 109.318 ug/L

RT: 8.36 min Scan# 2235

Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

Tot Ion: 43 Resp: 203072

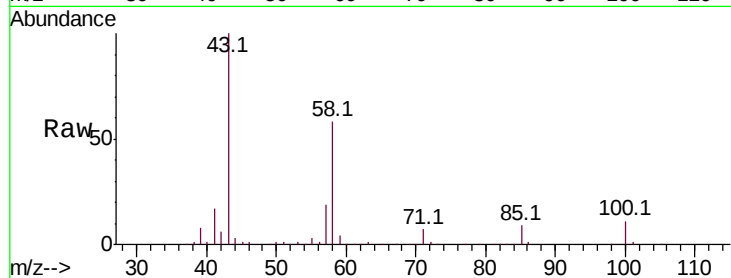
Ion Ratio Lower Upper

43 100

58 58.3 45.9 68.9

57 18.9 15.0 22.4

100 11.0 8.7 13.1

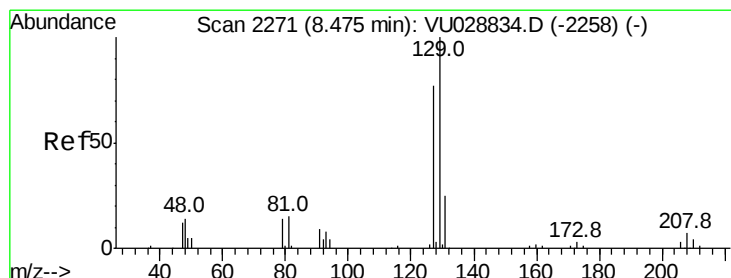
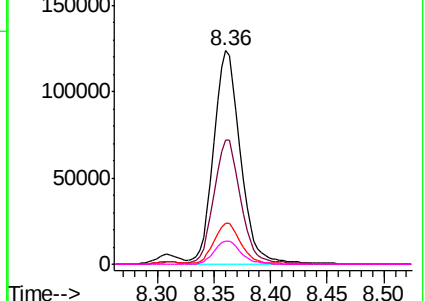
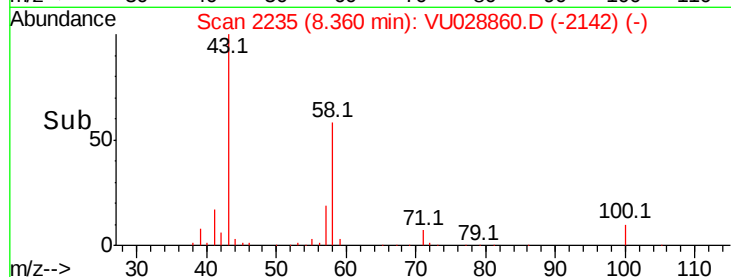


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#49

Dibromochloromethane

Concen: 51.227 ug/L

RT: 8.48 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VU028860.D

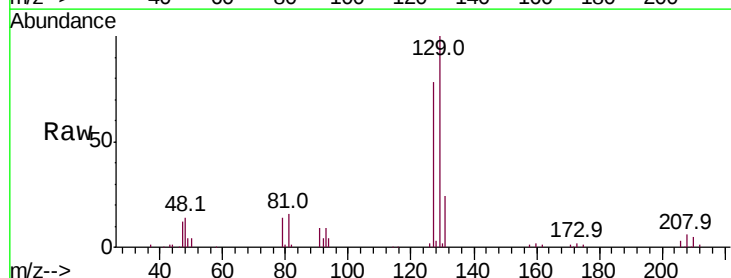
Acq: 21 Dec 2018 09:25

Tgt Ion:129 Resp: 73464

Ion Ratio Lower Upper

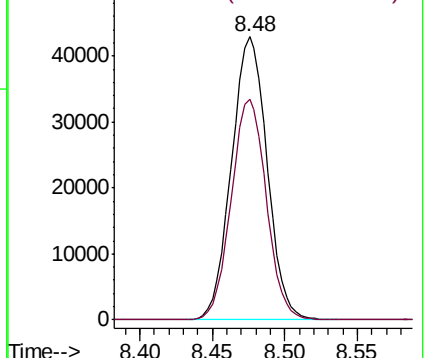
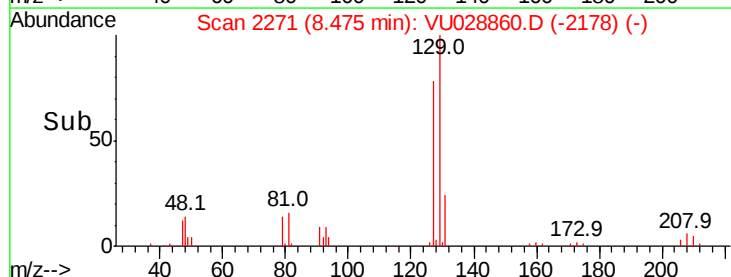
129 100

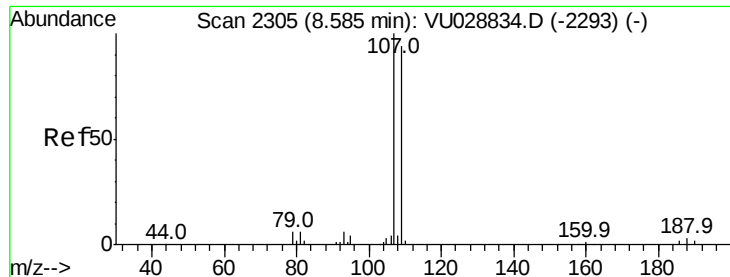
127 78.1 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 53.044 ug/L

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

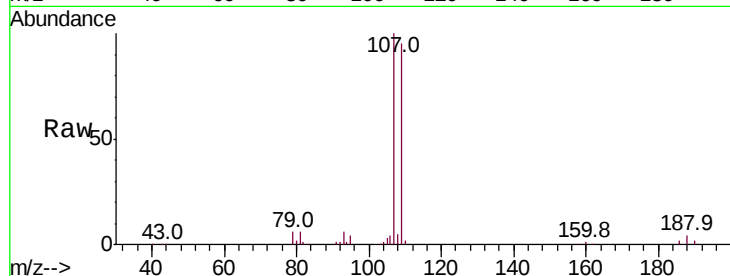
Tot Ion:107 Resp: 79457

Ion Ratio Lower Upper

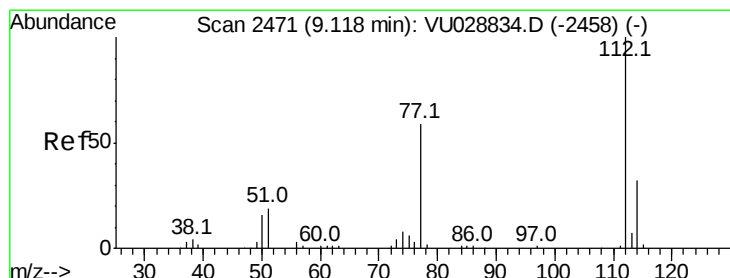
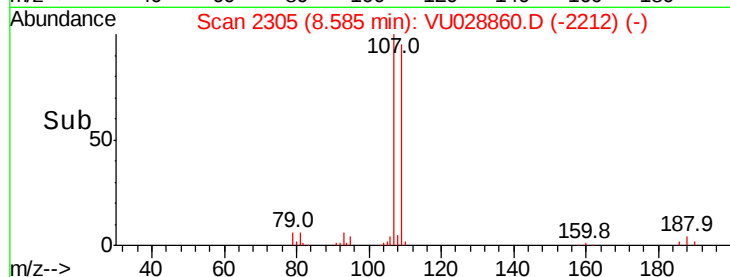
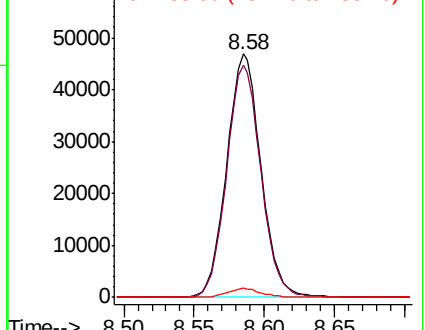
107 100

109 95.2 66.0 122.6

188 3.6 3.1 4.7



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 52.522 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

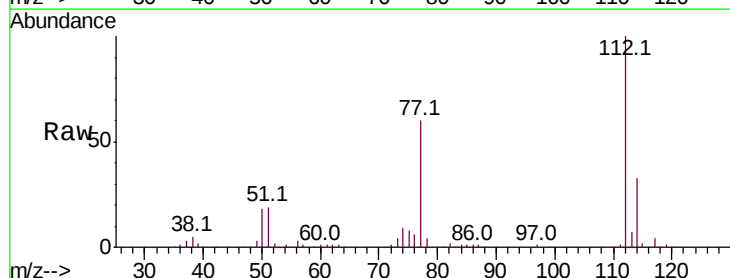
Tgt Ion:112 Resp: 202129

Ion Ratio Lower Upper

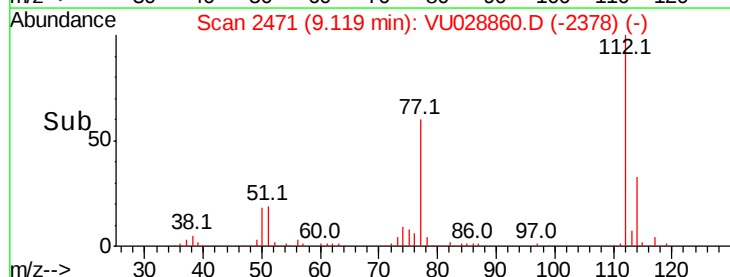
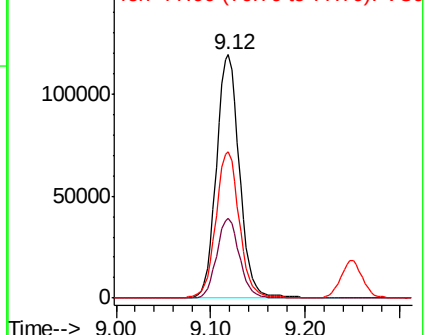
112 100

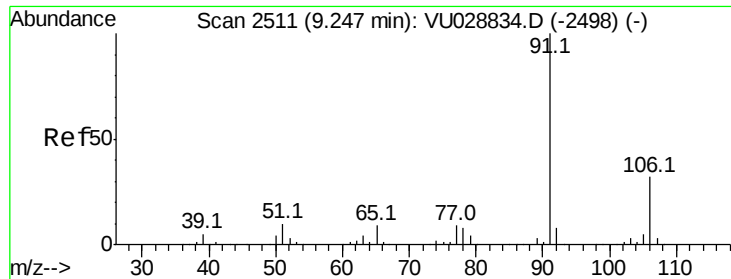
114 32.6 22.2 41.2

77 60.1 47.8 71.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 53.394 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU028860.D

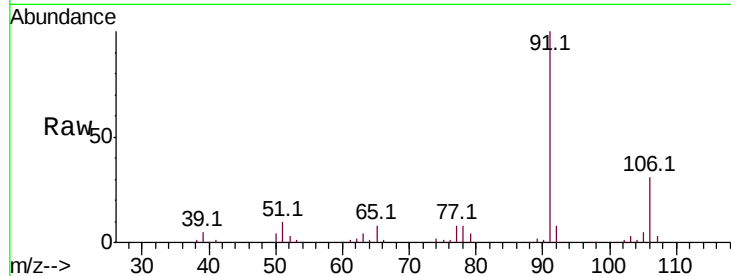
Acq: 21 Dec 2018 09:25

Tot Ion: 91 Resp: 350333

Ion Ratio Lower Upper

91 100

106 31.2 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU028834.D (-2498) (-)

Ion 106.00 (105.70 to 106.70): VU028860.D (-2418) (-)

250000

200000

150000

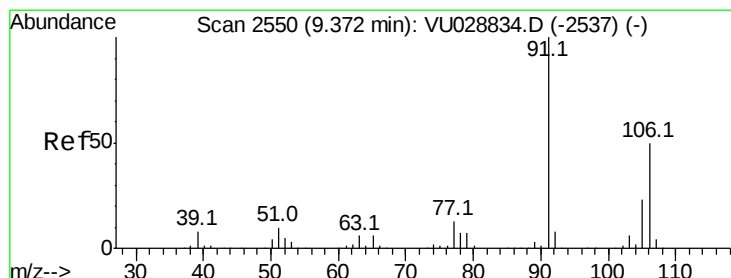
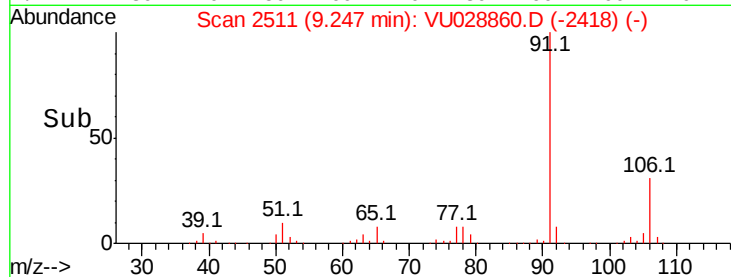
100000

50000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 54.306 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028860.D

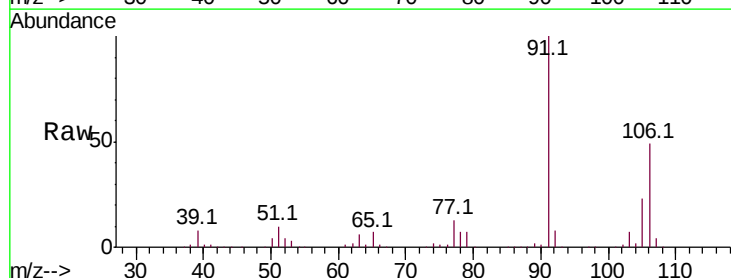
Acq: 21 Dec 2018 09:25

Tgt Ion: 106 Resp: 131763

Ion Ratio Lower Upper

106 100

91 203.8 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): VU028860.D (-2457) (-)

Ion 91.00 (90.70 to 91.70): VU028834.D (-2537) (-)

150000

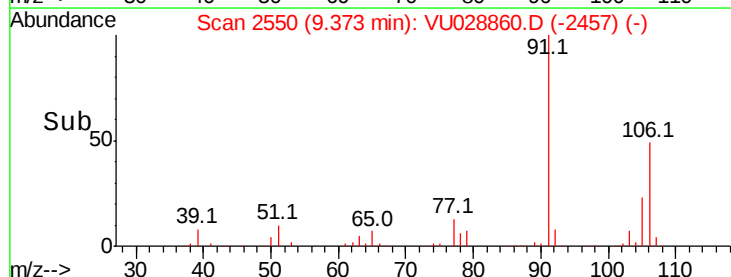
100000

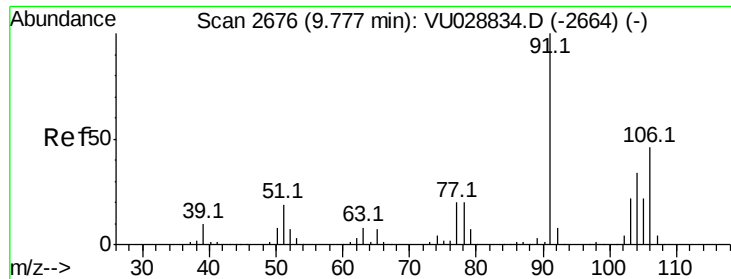
50000

0

9.30 9.35 9.40 9.45

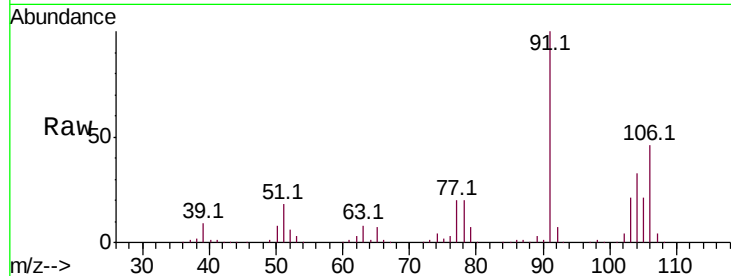
Time-->



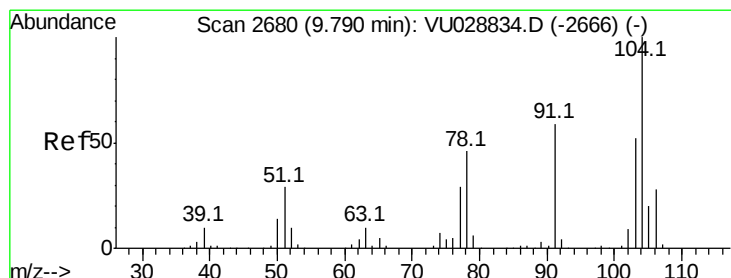
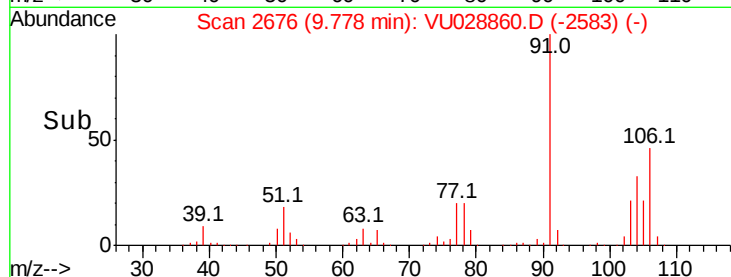
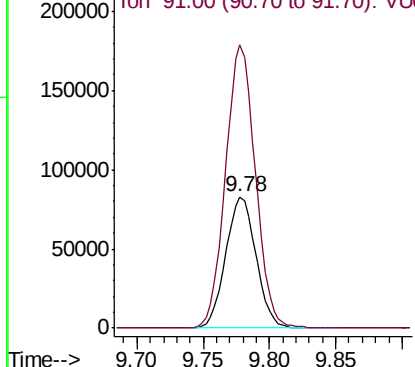


#54
o-xylene
Concen: 54.196 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028860.D
Acq: 21 Dec 2018 09:25

Tot Ion:106 Resp: 131792
Ion Ratio Lower Upper
106 100
91 216.0 150.4 279.4

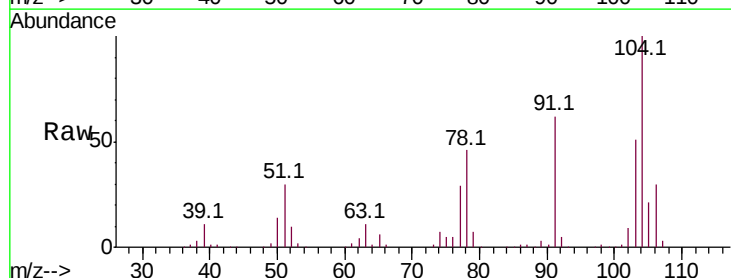


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

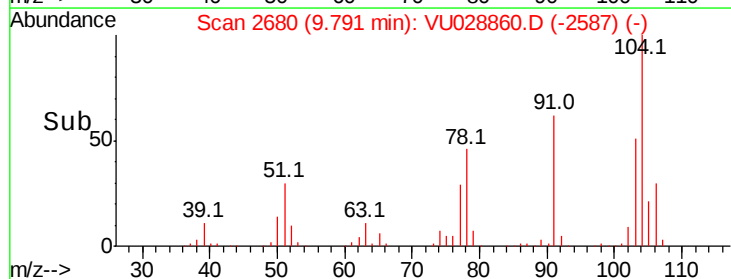
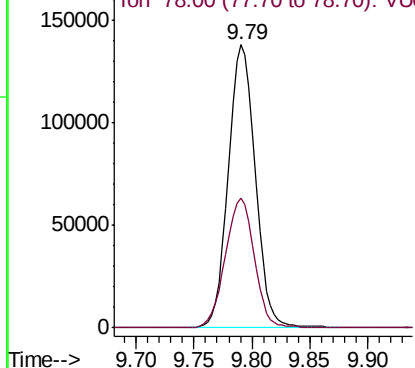


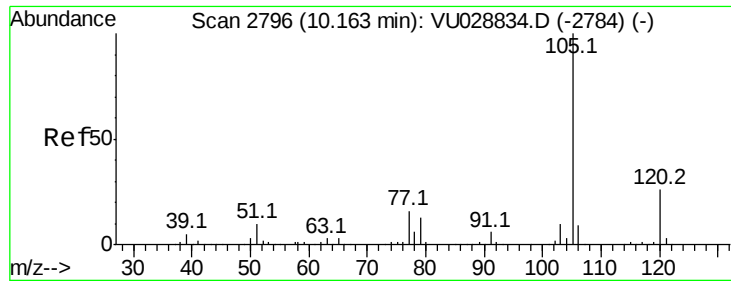
#55
Styrene
Concen: 53.901 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028860.D
Acq: 21 Dec 2018 09:25

Tgt Ion:104 Resp: 221991
Ion Ratio Lower Upper
104 100
78 45.8 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.914 ug/L

RT: 10.17 min Scan# 2797

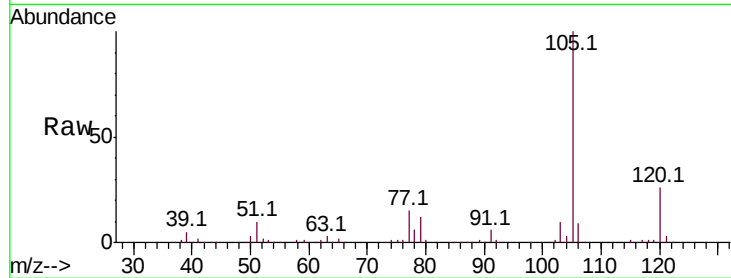
Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

Tot Ion:105 Resp: 332586

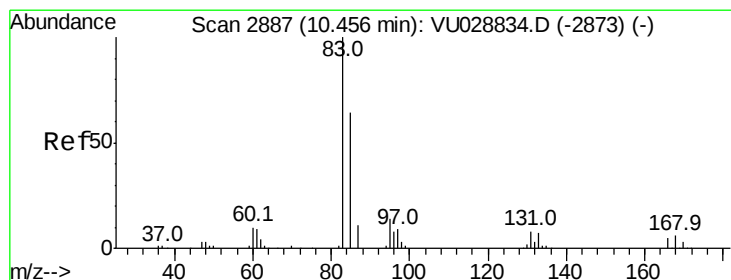
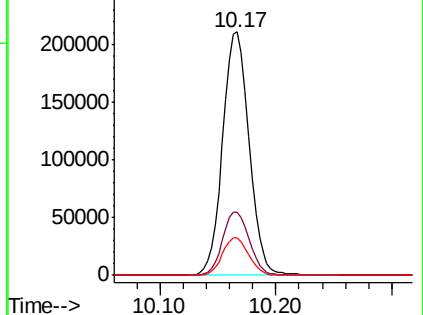
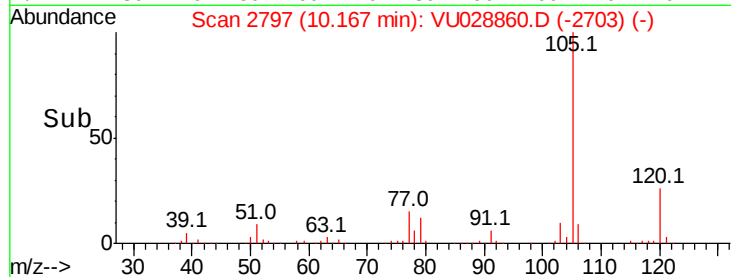
Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.4	32.2
77	15.5	12.3	18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.373 ug/L

RT: 10.46 min Scan# 2887

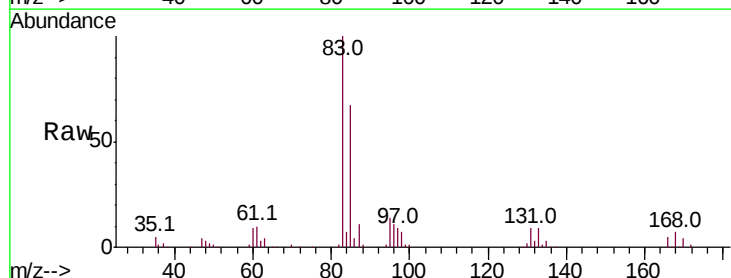
Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

Tgt Ion: 83 Resp: 134367

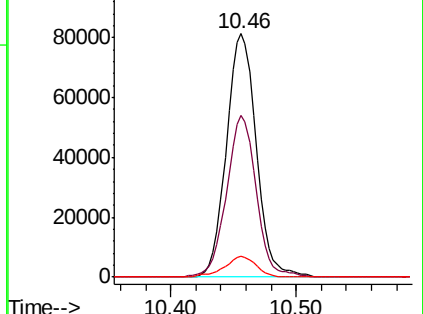
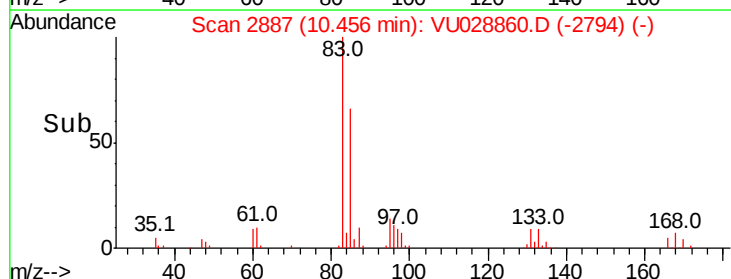
Ion	Ratio	Lower	Upper
83	100		
85	66.6	45.3	84.1
131	8.5	6.7	10.1

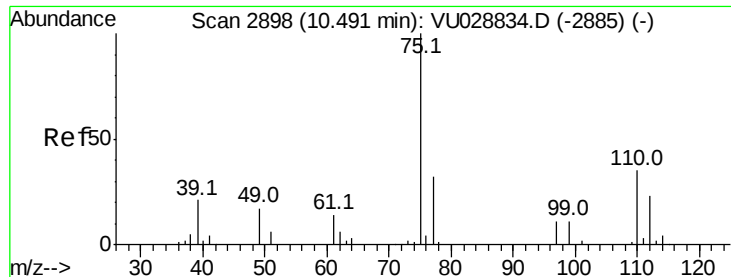


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.412 ug/L

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU028860.D

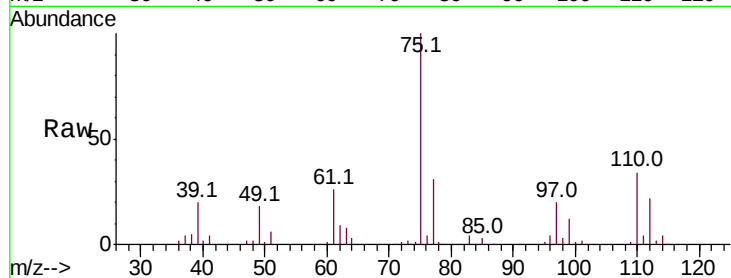
Acq: 21 Dec 2018 09:25

Tot Ion: 75 Resp: 103311

Ion Ratio Lower Upper

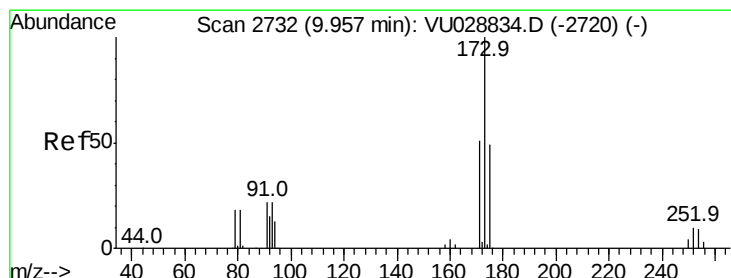
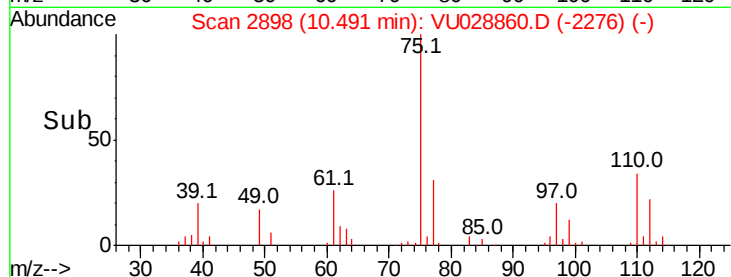
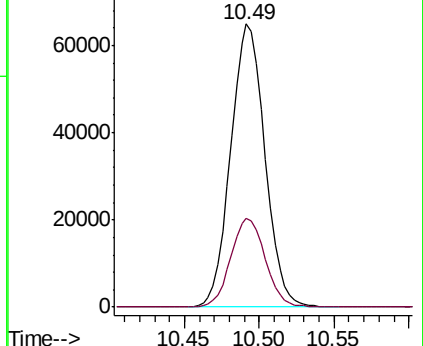
75 100

77 31.7 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU028834.D (-2885) (-)

Ion 77.00 (76.70 to 77.70): VU028834.D (-2885) (-)



#61

Bromoform

Concen: 50.117 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

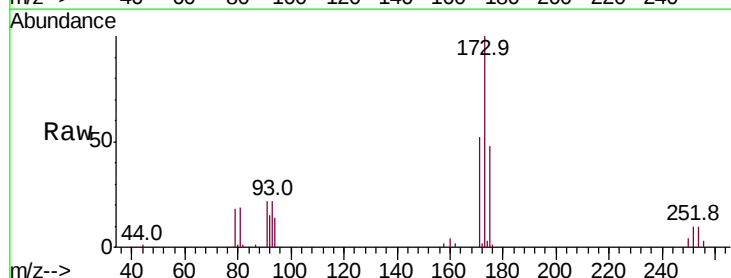
Tgt Ion: 173 Resp: 55811

Ion Ratio Lower Upper

173 100

175 46.8 38.9 58.3

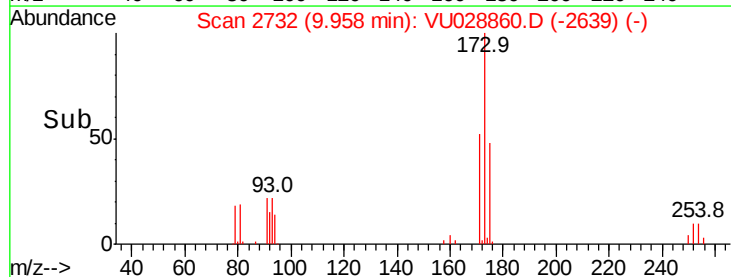
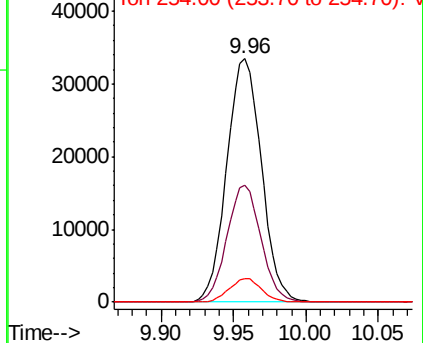
254 9.1 7.8 11.8

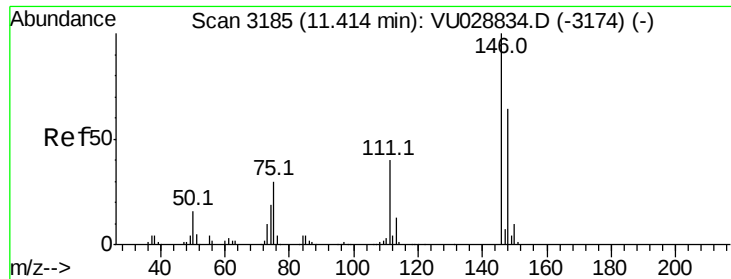


Abundance Ion 173.00 (172.70 to 173.70): VU028834.D (-2720) (-)

Ion 175.00 (174.70 to 175.70): VU028834.D (-2720) (-)

Ion 254.00 (253.70 to 254.70): VU028834.D (-2720) (-)





#62

1,3-Dichlorobenzene

Concen: 52.378 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

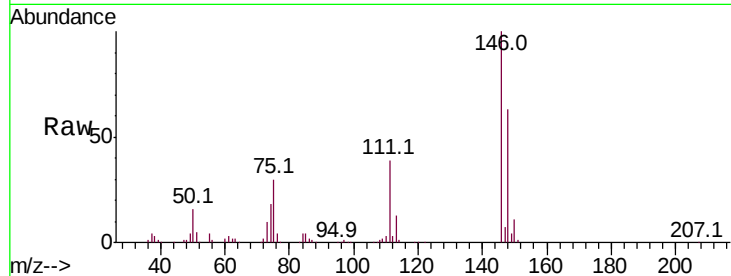
Tot Ion:146 Resp: 149471

Ion Ratio Lower Upper

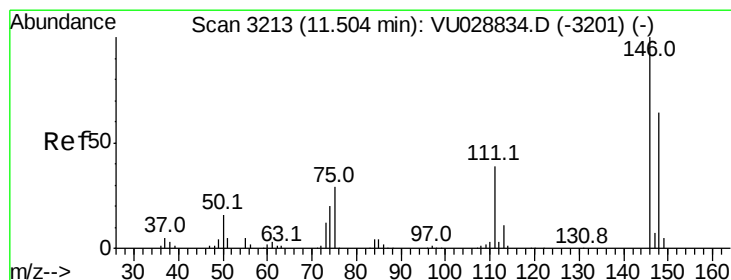
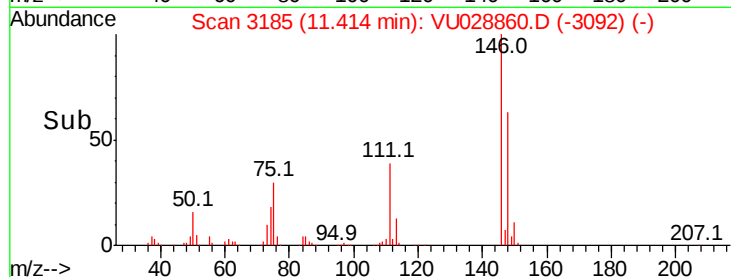
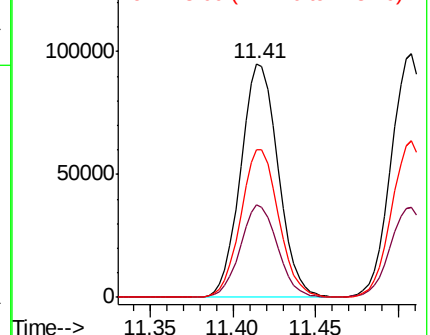
146 100

111 39.4 27.4 50.8

148 63.1 44.2 82.2



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: 51.938 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028860.D

Acq: 21 Dec 2018 09:25

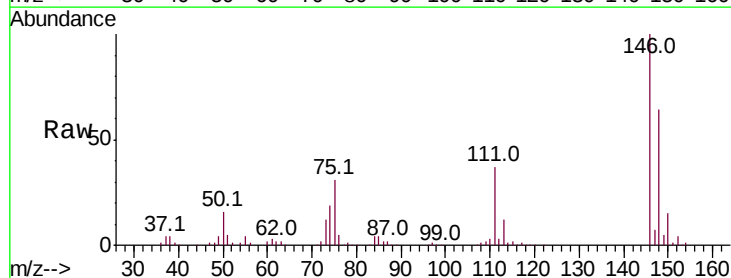
Tgt Ion:146 Resp: 152703

Ion Ratio Lower Upper

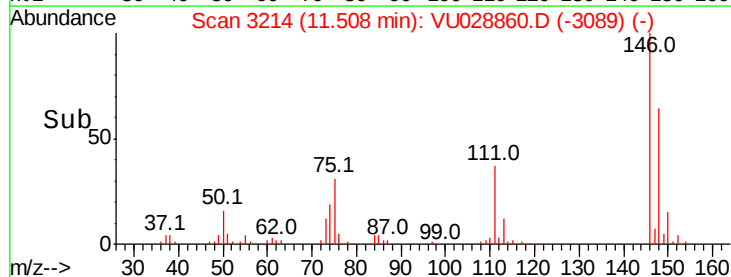
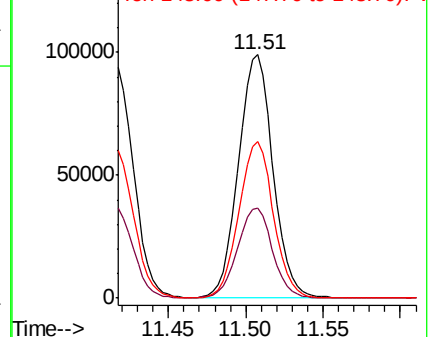
146 100

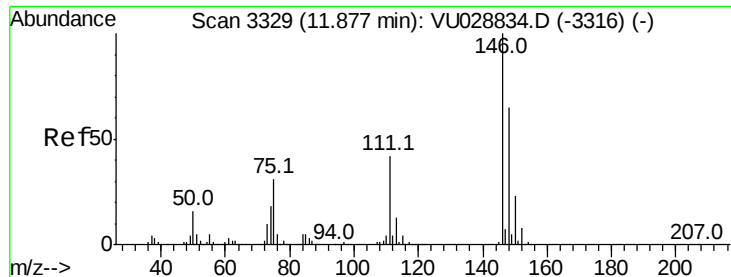
111 37.0 26.5 49.1

148 64.2 45.1 83.9



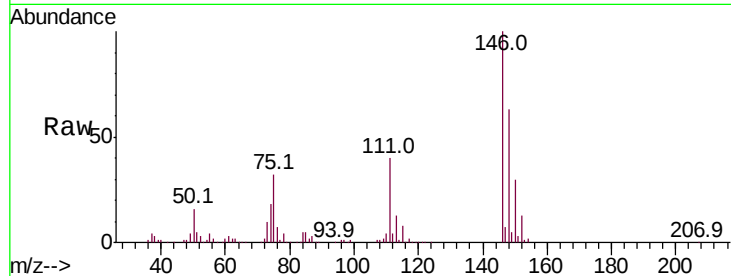
Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



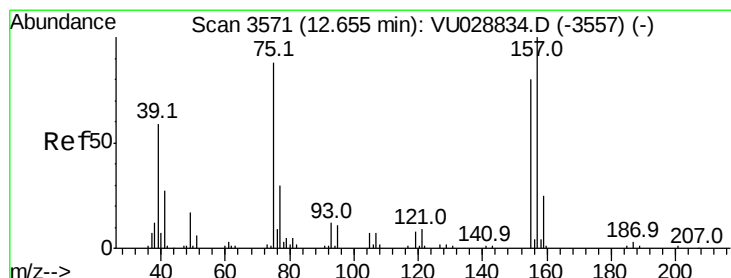
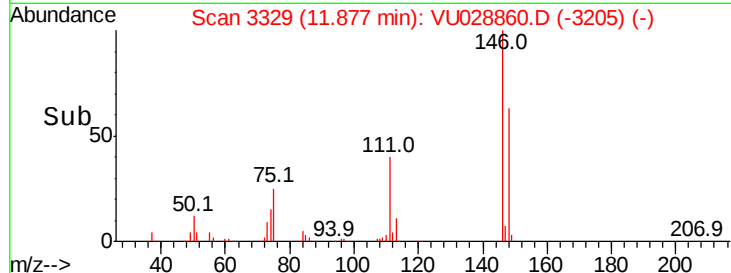
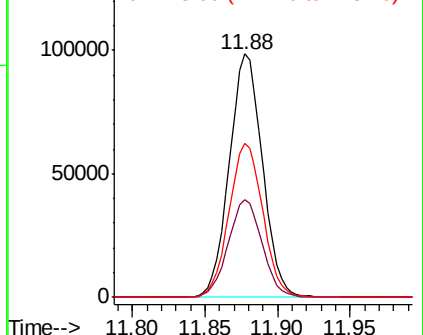


#65
 1,2-Dichlorobenzene
 Concen: 52.458 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028860.D
 Acq: 21 Dec 2018 09:25

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	32.1	48.1
148	63.1	49.7	74.5

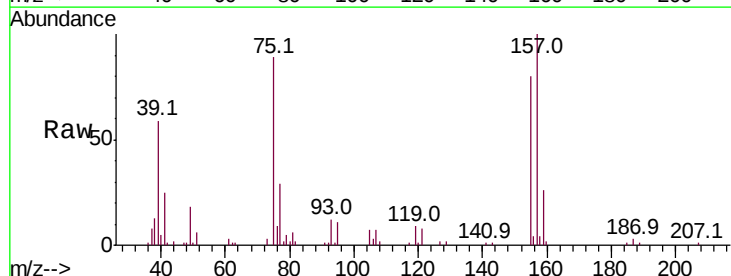


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

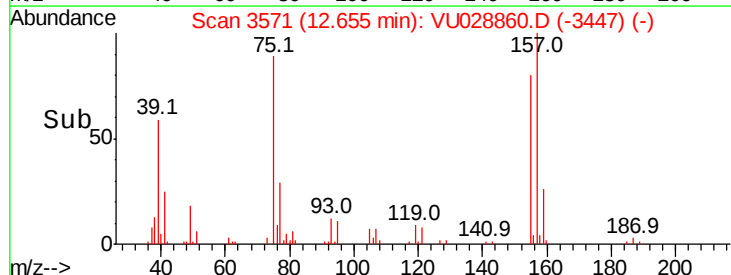
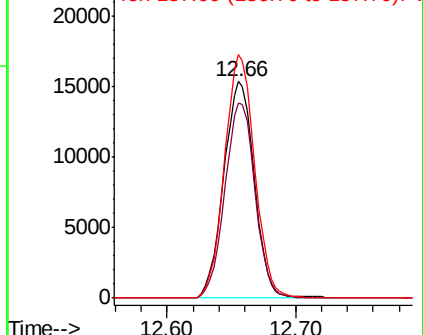


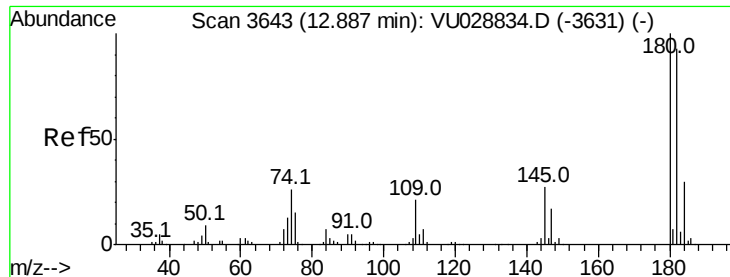
#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.235 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028860.D
 Acq: 21 Dec 2018 09:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	71.4	107.2
157	112.5	89.6	134.4



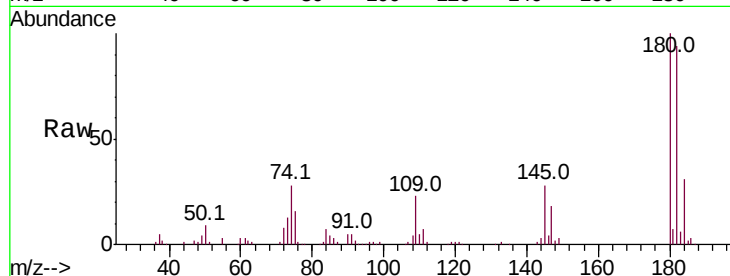
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V



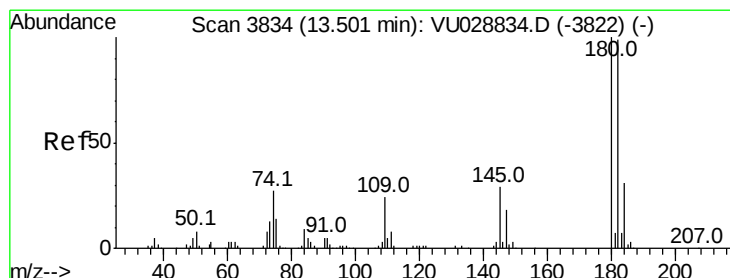
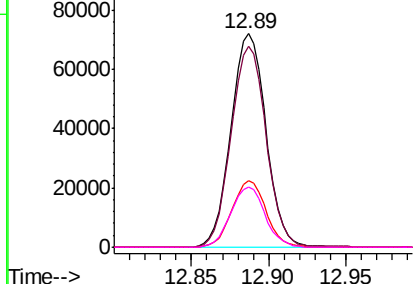
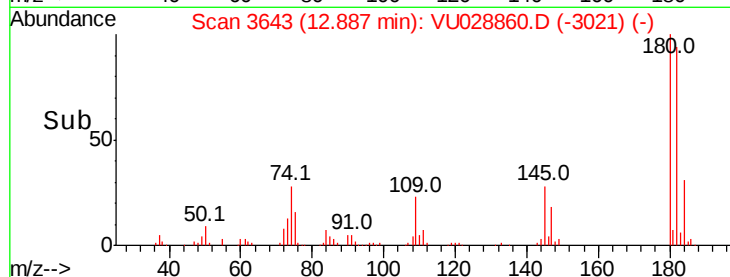


#67
 1,3,5-Trichlorobenzene
 Concen: 53.604 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU028860.D
 Acq: 21 Dec 2018 09:25

Tot Ion:180	Resp:	112785
Ion	Ratio	Lower Upper
180	100	
182	94.8	76.4 114.6
184	30.3	24.6 36.8
145	27.8	22.1 33.1

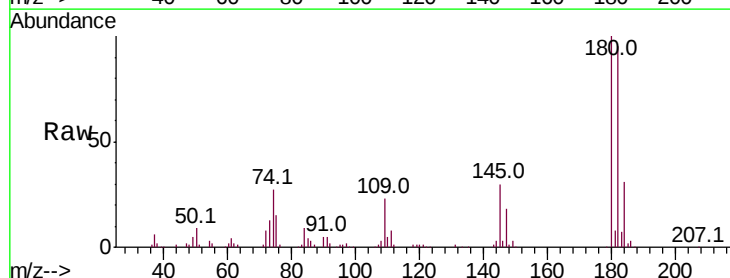


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

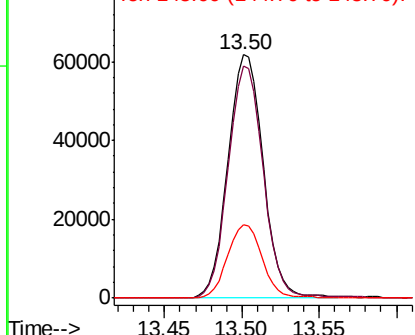
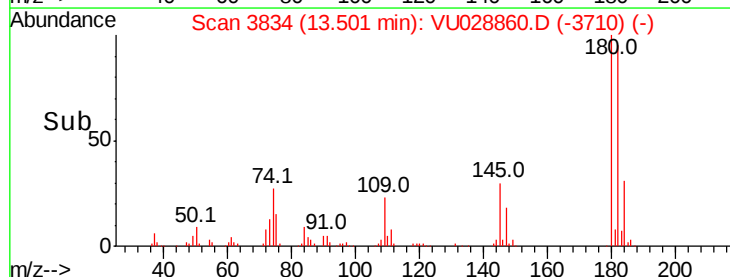


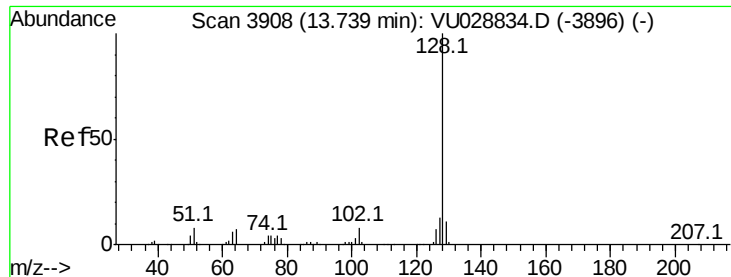
#68
 1,2,4-trichlorobenzene
 Concen: 55.320 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028860.D
 Acq: 21 Dec 2018 09:25

Tgt Ion:180	Resp:	97471
Ion	Ratio	Lower Upper
180	100	
182	94.8	77.4 116.0
145	29.8	23.5 35.3



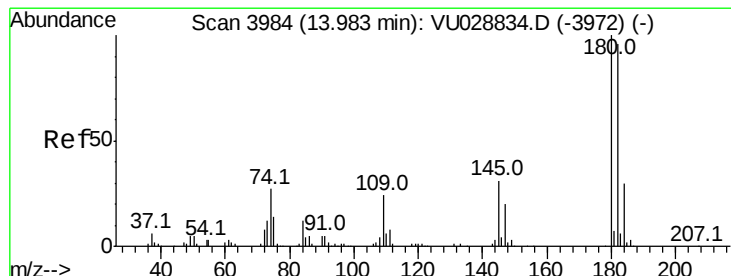
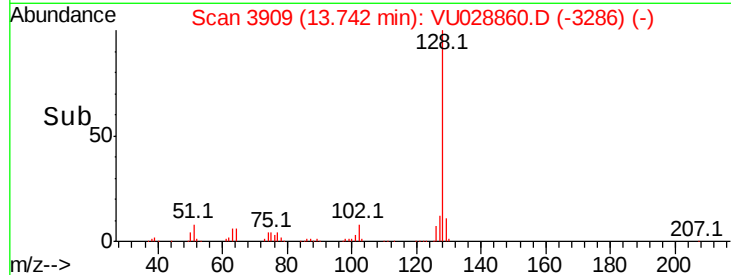
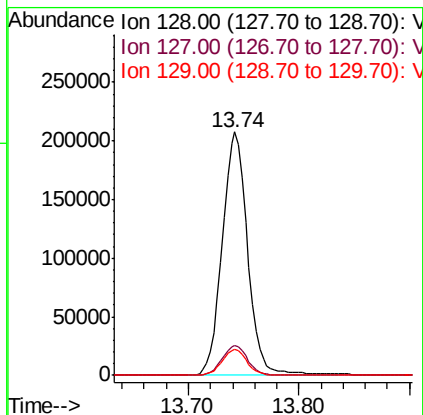
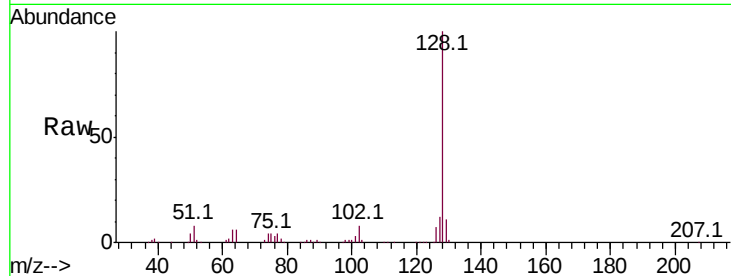
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69
Naphthalene
Concen: 54.224 ug/L
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028860.D
Acq: 21 Dec 2018 09:25

Tot Ion:128 Resp: 331699
Ion Ratio Lower Upper
128 100
127 12.4 10.5 15.7
129 10.6 8.7 13.1



#70
1,2,3-Trichlorobenzene
Concen: 55.215 ug/L
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028860.D
Acq: 21 Dec 2018 09:25

Tgt Ion:180 Resp: 104904
Ion Ratio Lower Upper
180 100
182 92.1 75.8 113.8
145 29.0 24.5 36.7

