

Data File : VU023633.D
Acq On : 04 May 2018 06:18
Operator : MD/SY
Sample : VSTDCCC005EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Quant Time: May 04 06:50:32 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMUTR050418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 04 04:44:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	160764	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	161315	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	80273	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58136	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.68	69	46333	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.00%
11) 1,1-Dichloroethene-d2	2.27	63	108820	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.60%
20) 2-Butanone-d5	4.20	46	174860	51.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.66%
24) Chloroform-d	4.65	84	109116	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.31	65	58378	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.34	84	221709	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.34	67	72471	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.57	98	210904	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
43) trans-1,3-Dichloropropene-	7.85	79	22224	4.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
46) 2-Hexanone-d5	8.32	63	139889	52.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.14%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	57871	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	11.87	152	77329	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	77459	5.11	ug/L	99
3) Chloromethane	1.33	50	79245	4.81	ug/L	100
5) Vinyl chloride	1.40	62	76265	5.07	ug/L	88
6) Bromomethane	1.63	94	16938	2.11	ug/L	97
8) Chloroethane	1.70	64	46629	5.08	ug/L	100
9) Trichlorofluoromethane	1.89	101	91301	5.40	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	50945	5.10	ug/L	99
12) 1,1-Dichloroethene	2.28	96	49764	5.26	ug/L	93
13) Acetone	2.32	43	100307	52.04	ug/L	97
14) Carbon disulfide	2.48	76	175801	5.15	ug/L	100
15) Methyl Acetate	2.62	43	28799	5.31	ug/L	98
16) Methylene chloride	2.70	84	55930	5.15	ug/L	99
17) Methyl tert-butyl Ether	3.00	73	130891	5.37	ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	54138	5.17	ug/L	97
19) 1,1-Dichloroethane	3.45	63	115993	5.85	ug/L	99
21) 2-Butanone	4.28	43	181842	51.01	ug/L	98
22) cis-1,2-Dichloroethene	4.23	96	68225	5.49	ug/L	98

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ALS Vial : 31 Sample Multiplier: 1

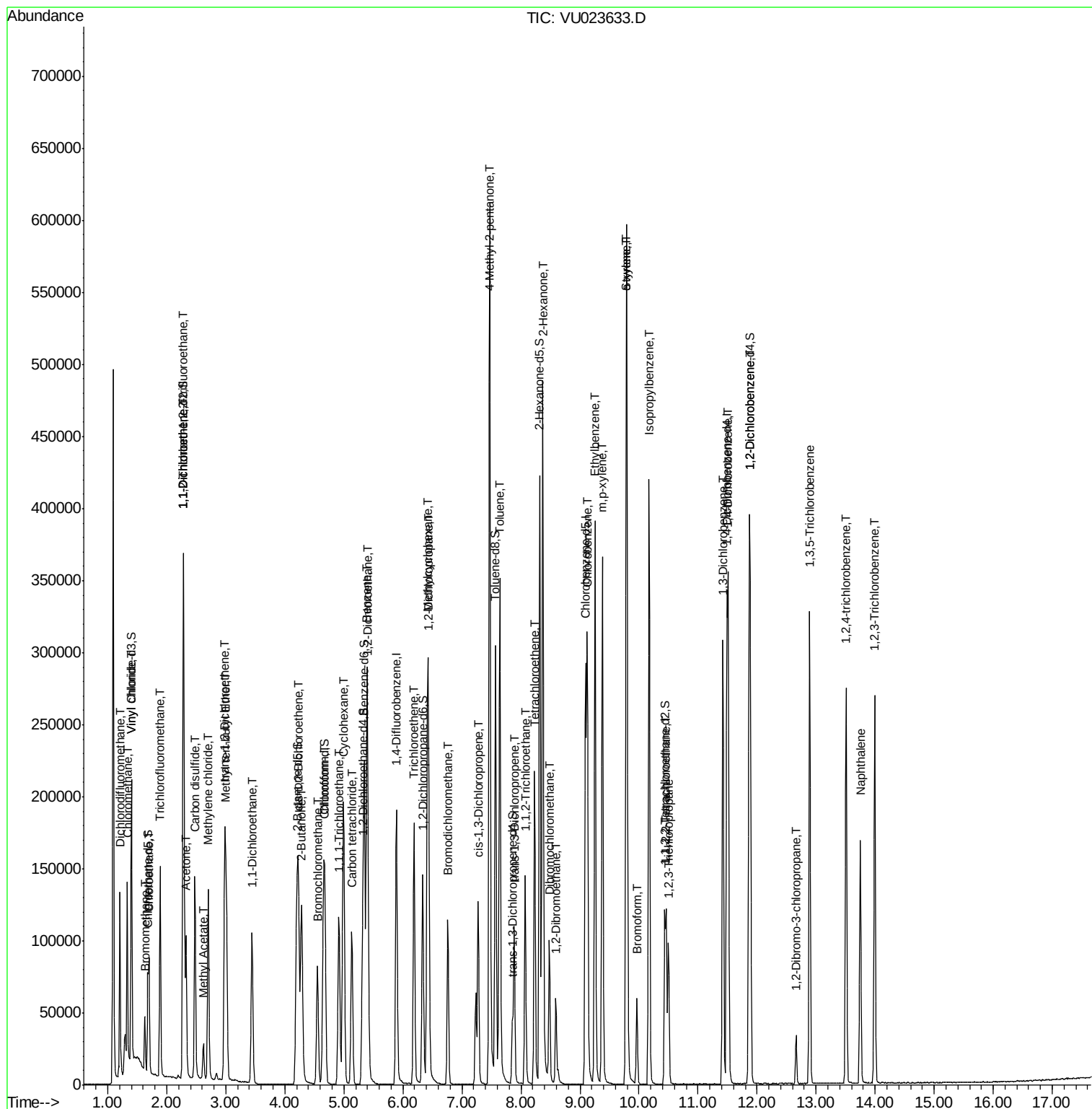
Quant Time: May 04 06:50:32 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMUTR050418WMA.M
Quant Title : TRACE VOA SOM01.0
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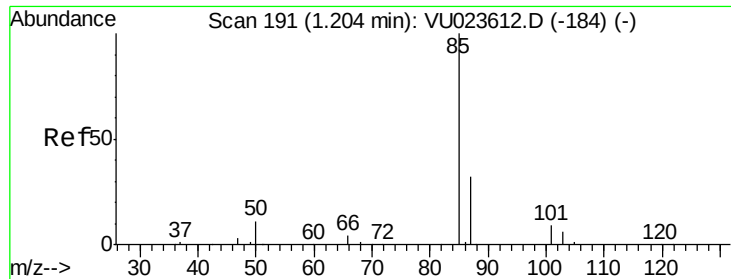
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	26971	5.02	ug/L	98
25) Chloroform	4.68	83	113109	5.26	ug/L	98
27) 1,2-Dichloroethane	5.41	62	73596	5.38	ug/L	100
29) 1,1,1-Trichloroethane	4.92	97	89126	5.11	ug/L	100
30) Cyclohexane	4.99	56	99419	5.02	ug/L	97
31) Carbon tetrachloride	5.13	117	77860	5.36	ug/L	99
33) Benzene	5.39	78	250553	5.15	ug/L	100
34) Trichloroethene	6.19	95	63849	5.04	ug/L	99
35) Methylcyclohexane	6.42	83	89845	4.68	ug/L	99
37) 1,2-Dichloropropane	6.44	63	69736	5.16	ug/L	99
38) Bromodichloromethane	6.76	83	76396	5.15	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	75542	4.48	ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	432439	52.47	ug/L	99
42) Toluene	7.64	91	262938	5.31	ug/L	100
44) trans-1,3-Dichloropropene	7.89	75	61347	4.46	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	45230	5.33	ug/L	99
47) Tetrachloroethene	8.23	164	51090	5.10	ug/L	99
48) 2-Hexanone	8.37	43	324524	54.37	ug/L	100
49) Dibromochloromethane	8.48	129	49448	5.09	ug/L	97
50) 1,2-Dibromoethane	8.59	107	40927	5.17	ug/L	94
51) Chlorobenzene	9.12	112	167461	5.16	ug/L	98
52) Ethylbenzene	9.25	91	270812	5.15	ug/L	100
53) m,p-xylene	9.38	106	103942	5.26	ug/L	98
54) o-xylene	9.78	106	99156	5.31	ug/L	99
55) Styrene	9.80	104	175210	5.35	ug/L	97
56) Isopropylbenzene	10.17	105	262497	5.31	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	57706	5.11	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	41729	5.24	ug/L	100
61) Bromoform	9.96	173	27103	4.99	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	127764	5.25	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	133078	5.19	ug/L	97
65) 1,2-Dichlorobenzene	11.89	146	127409	5.37	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	8255	5.15	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	104577	5.05	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	88469	5.19	ug/L	99
69) Naphthalene	13.75	128	134834	5.19	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	86199	5.39	ug/L	99

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

ALS Vial : 31 Sample Multiplier: 1

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.11 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU023633.D

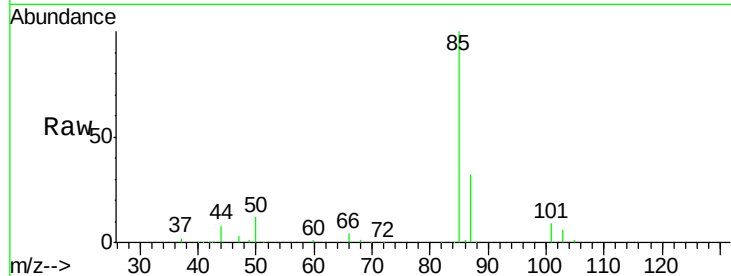
Acq: 04 May 2018 06:18

Tgt Ion: 85 Resp: 77459

Ion Ratio Lower Upper

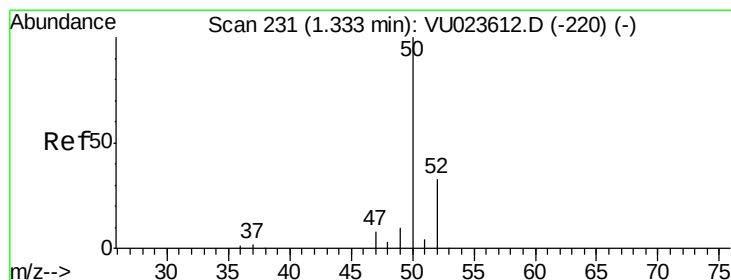
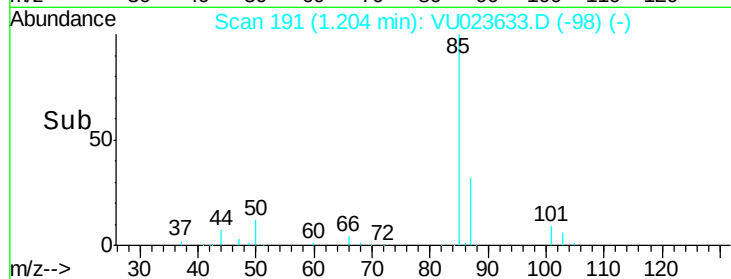
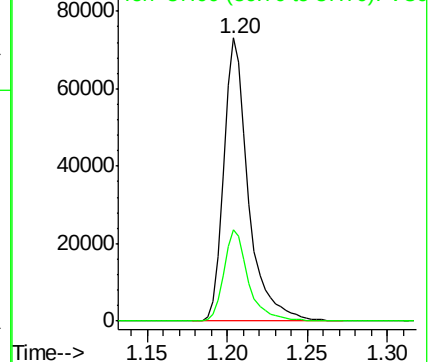
85 100

87 32.1 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.81 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU023633.D

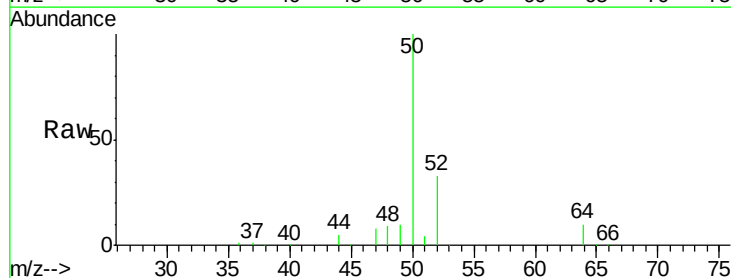
Acq: 04 May 2018 06:18

Tgt Ion: 50 Resp: 79245

Ion Ratio Lower Upper

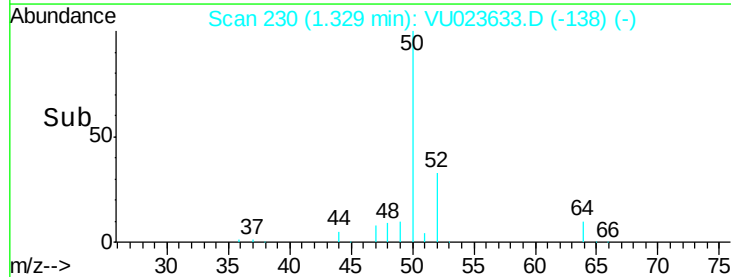
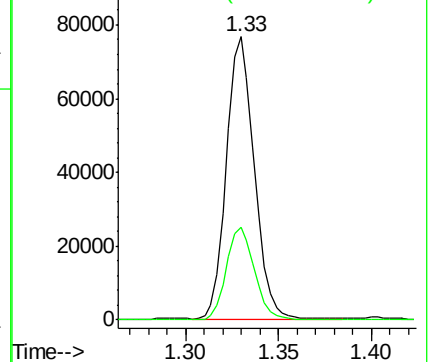
50 100

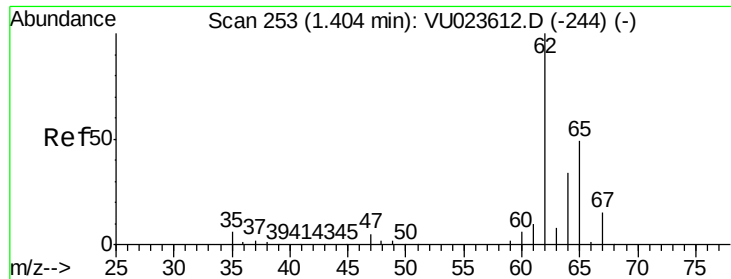
52 32.8 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.07 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023633.D

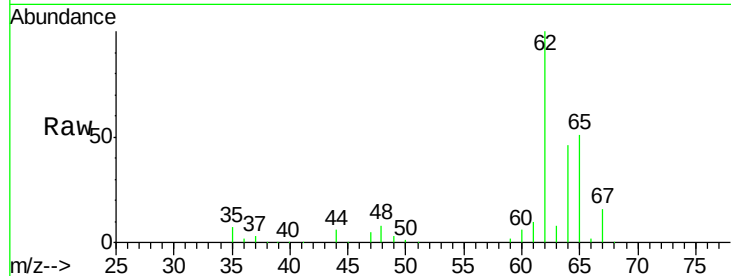
Acq: 04 May 2018 06:18

Tgt Ion: 62 Resp: 76265

Ion Ratio Lower Upper

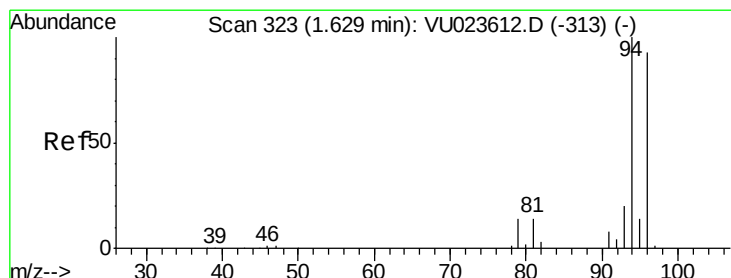
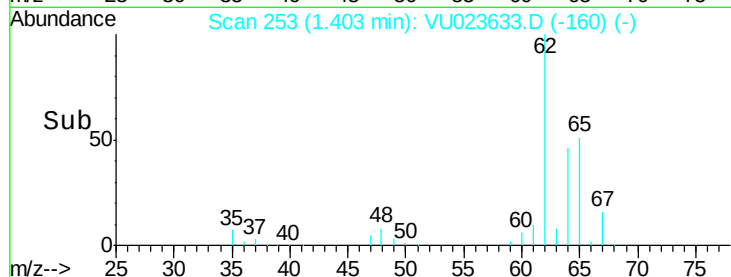
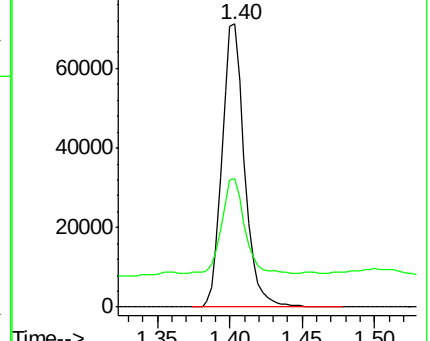
62 100

64 45.6 26.9 49.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 2.11 ug/L

RT: 1.63 min Scan# 323

Delta R.T. -0.00 min

Lab File: VU023633.D

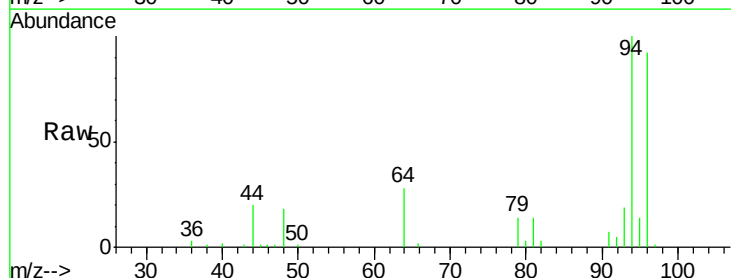
Acq: 04 May 2018 06:18

Tgt Ion: 94 Resp: 16938

Ion Ratio Lower Upper

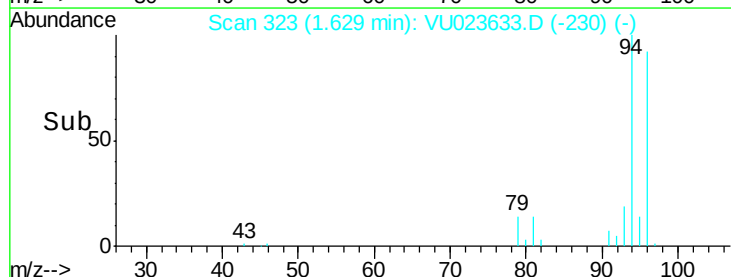
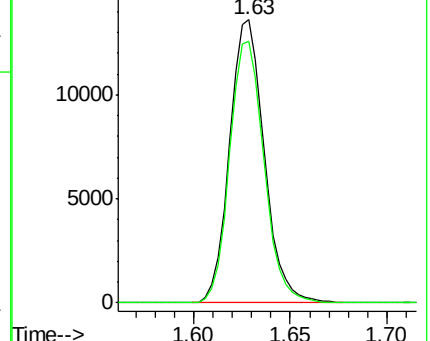
94 100

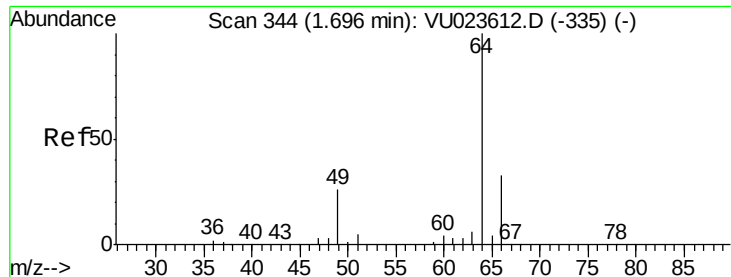
96 92.5 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.08 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU023633.D

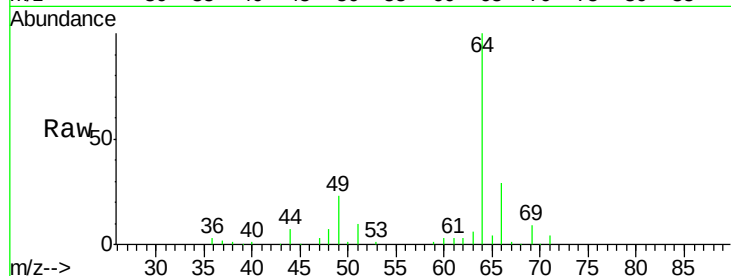
Acq: 04 May 2018 06:18

Tgt Ion: 64 Resp: 46629

Ion Ratio Lower Upper

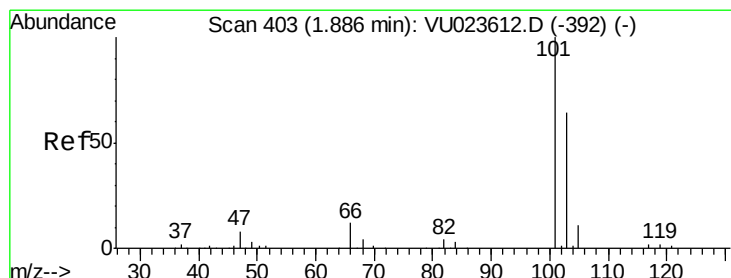
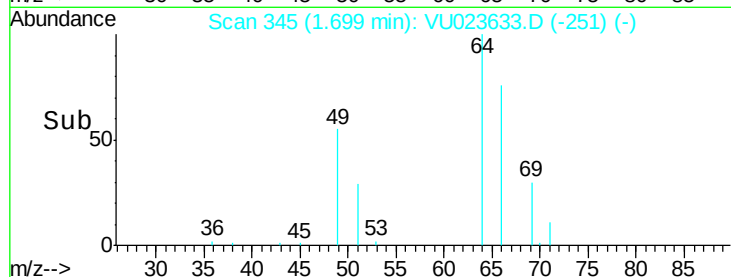
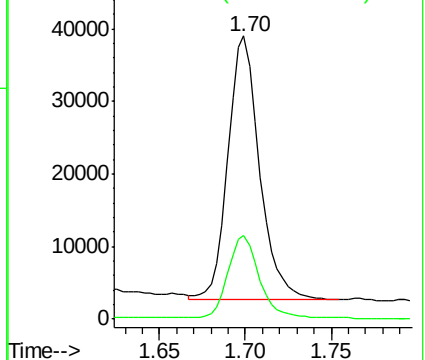
64 100

66 29.4 20.6 38.2



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 5.40 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU023633.D

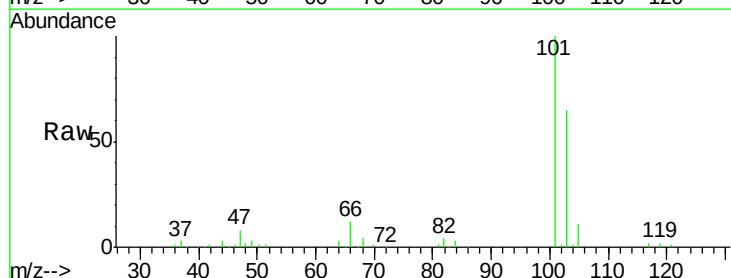
Acq: 04 May 2018 06:18

Tgt Ion: 101 Resp: 91301

Ion Ratio Lower Upper

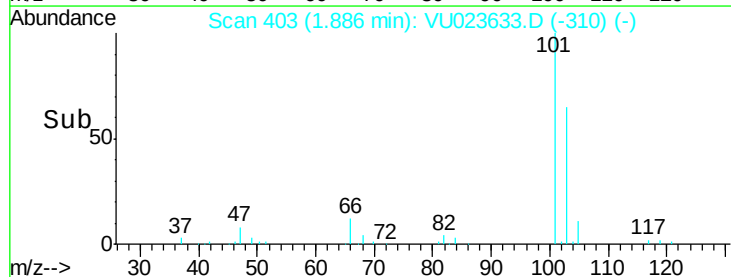
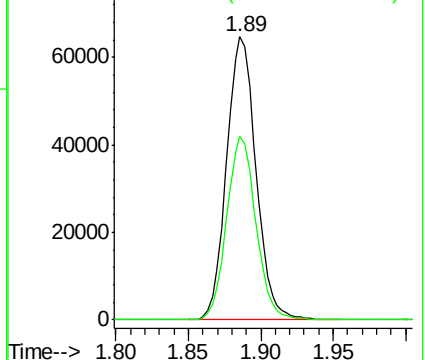
101 100

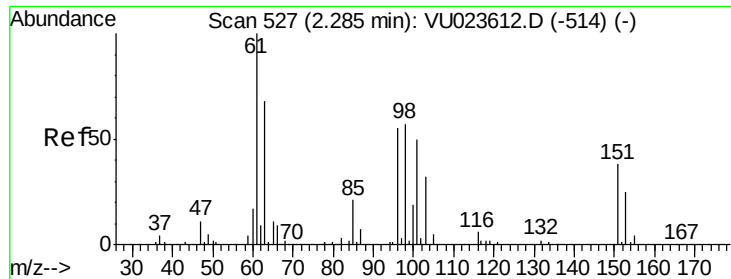
103 64.3 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 5.10 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU023633.D

Acq: 04 May 2018 06:18

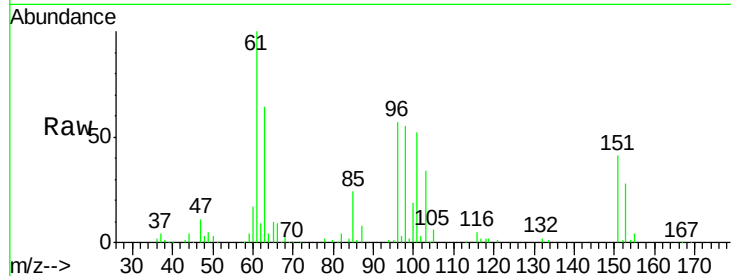
Tgt Ion: 101 Resp: 50945

Ion Ratio Lower Upper

101 100

85 44.8 34.5 51.7

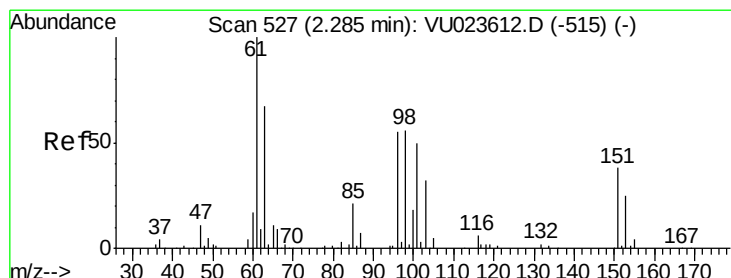
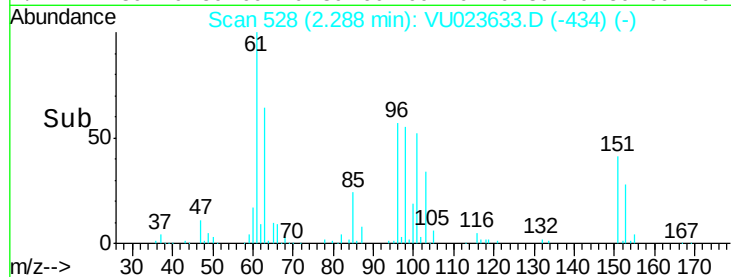
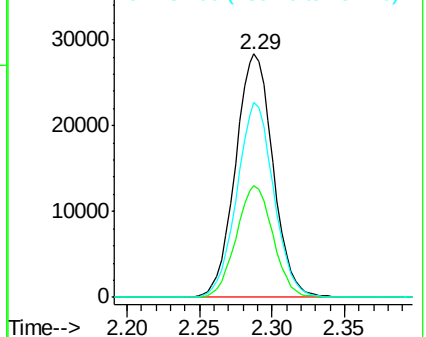
151 78.4 62.9 94.3



Abundance Ion 101.00 (100.70 to 101.70): VU023633.D (-434) (-)

Ion 85.00 (84.70 to 85.70): VU023633.D (-434) (-)

Ion 151.00 (150.70 to 151.70): VU023633.D (-434) (-)



#12

1,1-Dichloroethene

Concen: 5.26 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU023633.D

Acq: 04 May 2018 06:18

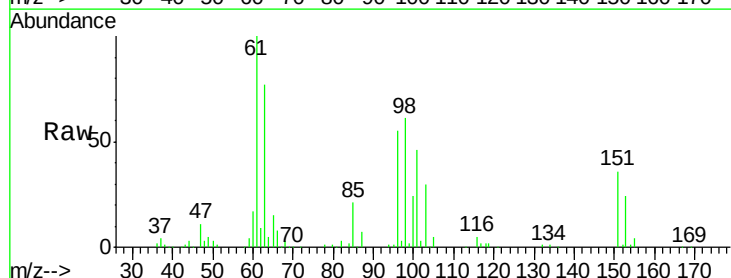
Tgt Ion: 96 Resp: 49764

Ion Ratio Lower Upper

96 100

61 182.7 127.4 236.6

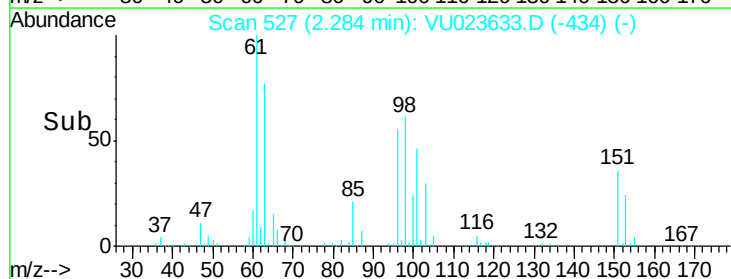
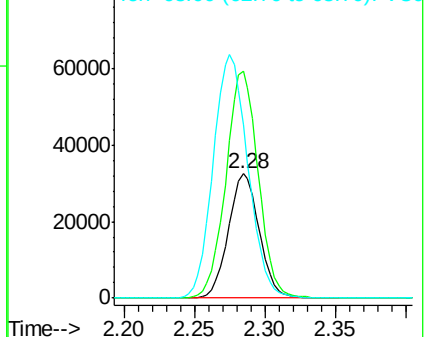
63 139.8 84.8 157.4

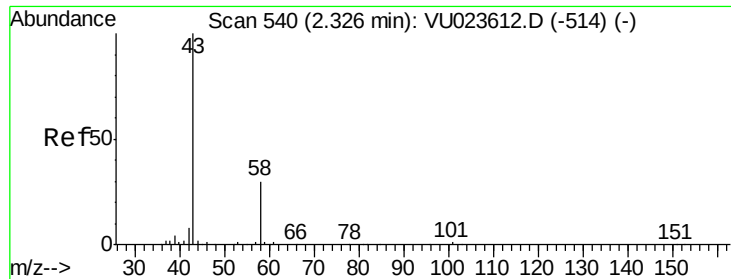


Abundance Ion 96.00 (95.70 to 96.70): VU023633.D (-434) (-)

Ion 61.05 (60.75 to 61.75): VU023633.D (-434) (-)

Ion 63.00 (62.70 to 63.70): VU023633.D (-434) (-)





#13

Acetone

Concen: 52.04 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU023633.D

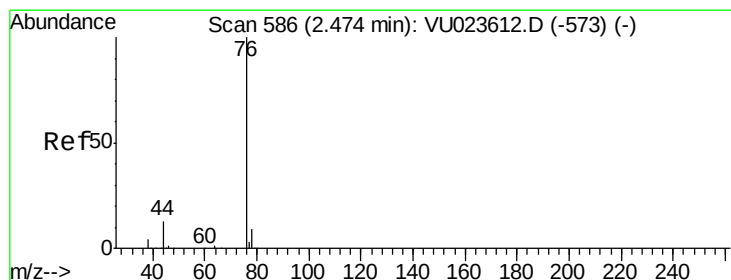
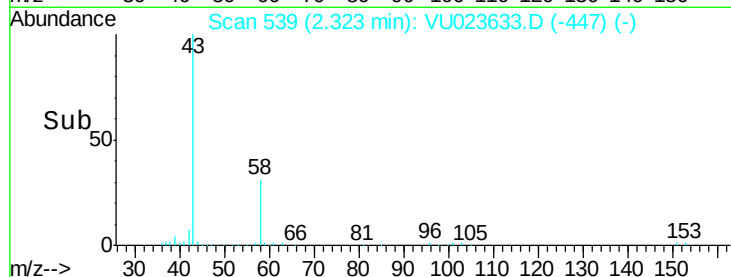
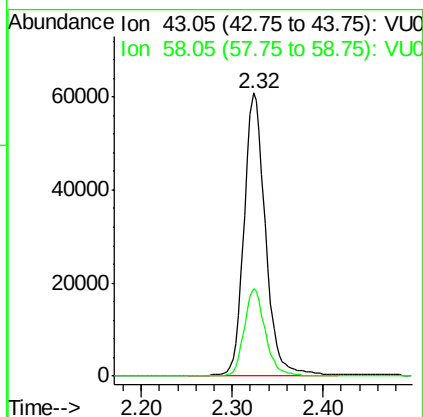
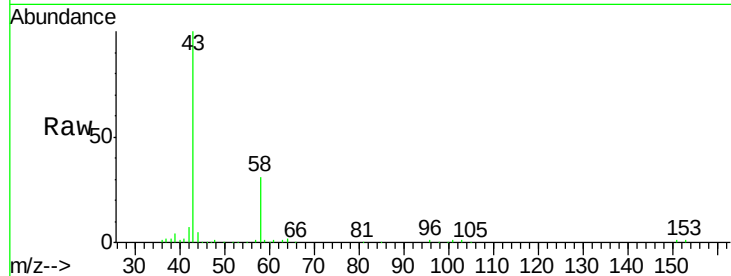
Acq: 04 May 2018 06:18

Tgt Ion: 43 Resp: 100307

Ion Ratio Lower Upper

43 100

58 30.3 0.0 63.8



#14

Carbon disulfide

Concen: 5.15 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU023633.D

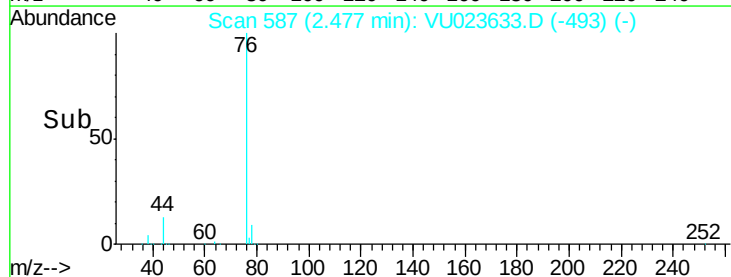
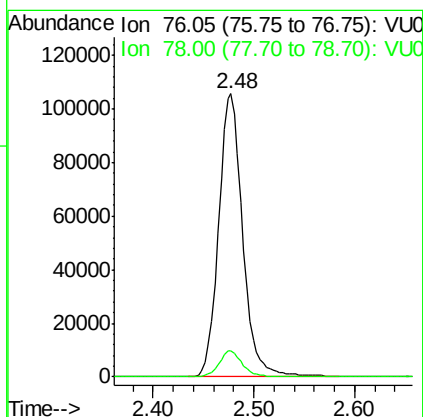
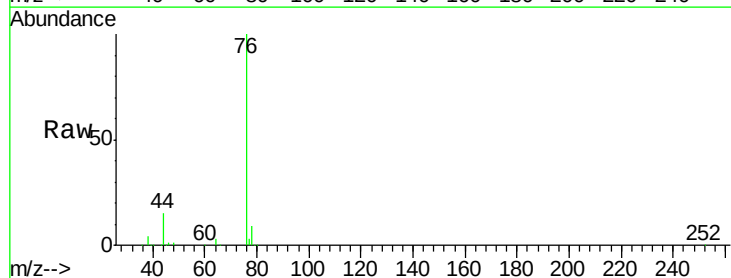
Acq: 04 May 2018 06:18

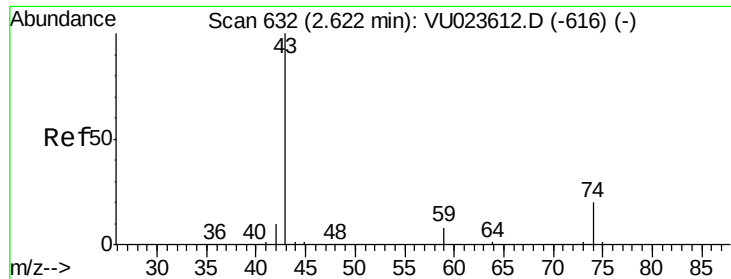
Tgt Ion: 76 Resp: 175801

Ion Ratio Lower Upper

76 100

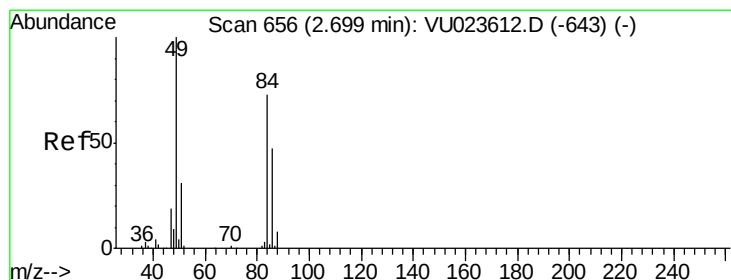
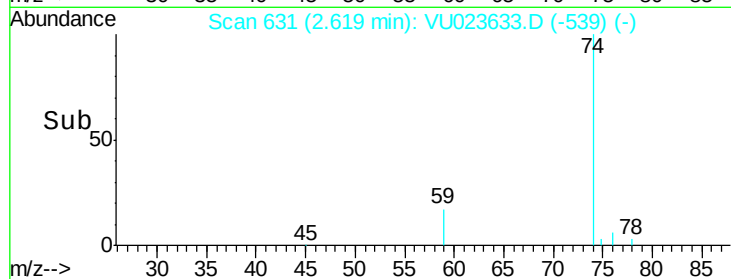
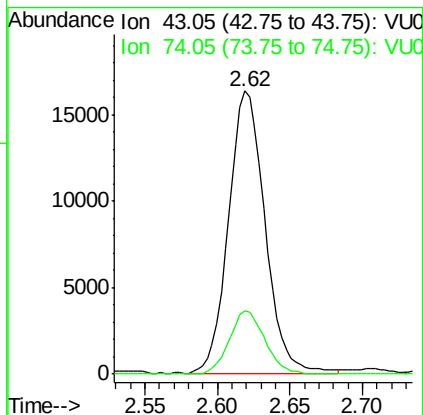
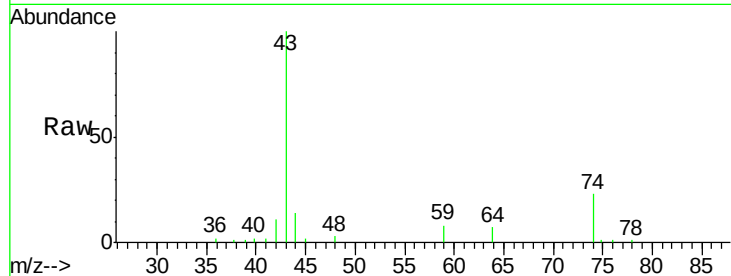
78 9.3 7.5 11.3





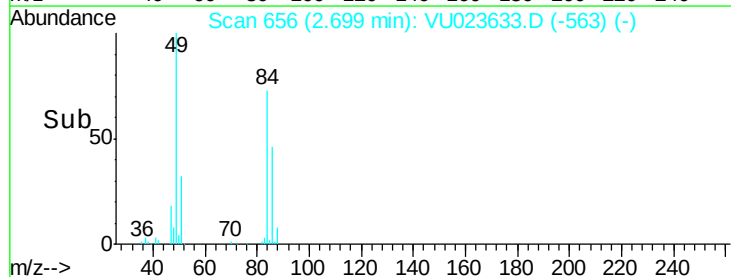
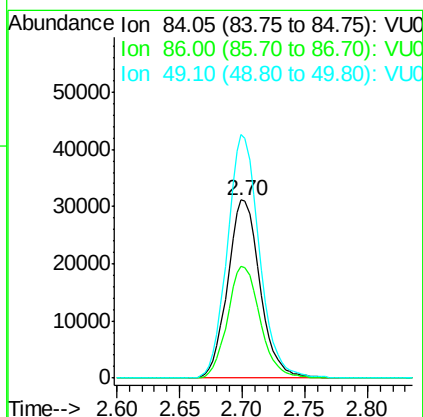
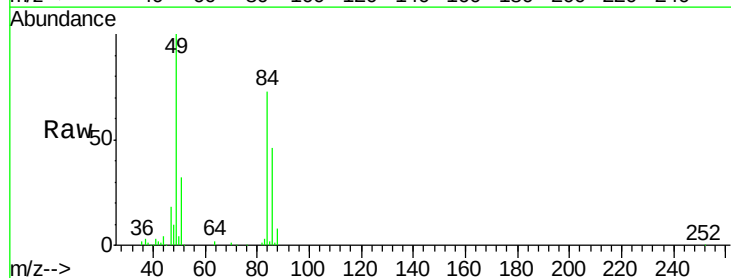
#15
Methyl Acetate
Concen: 5.31 ug/L
RT: 2.62 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU023633.D
Acq: 04 May 2018 06:18

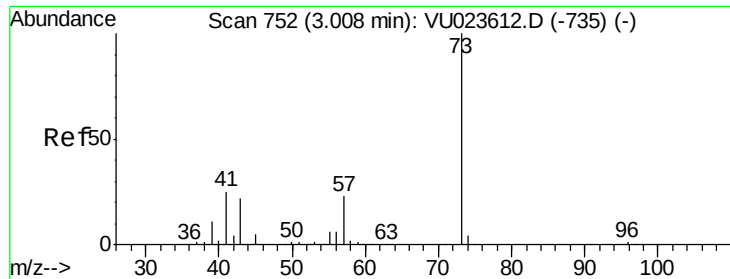
Tgt Ion: 43 Resp: 28799
Ion Ratio Lower Upper
43 100
74 21.5 16.6 24.8



#16
Methylene chloride
Concen: 5.15 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU023633.D
Acq: 04 May 2018 06:18

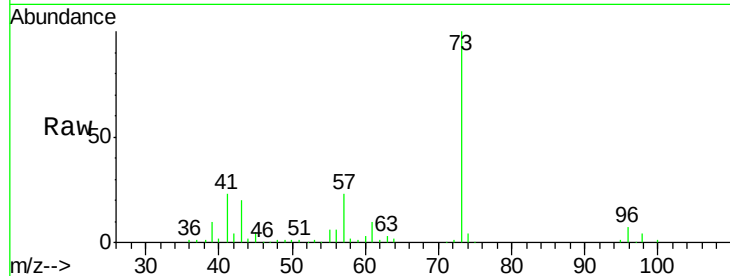
Tgt Ion: 84 Resp: 55930
Ion Ratio Lower Upper
84 100
86 62.7 46.0 85.4
49 136.7 96.0 178.4



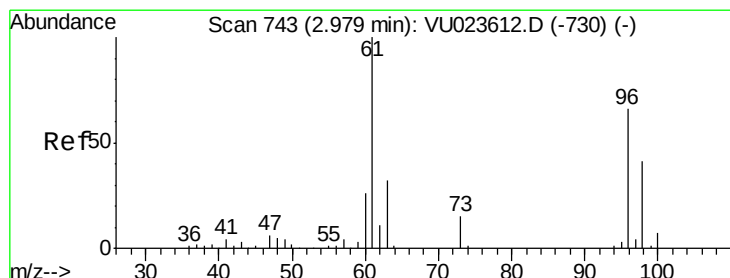
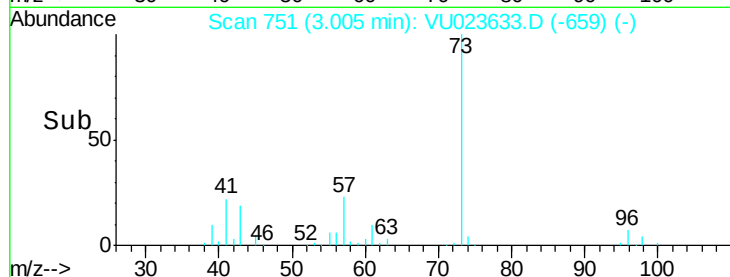
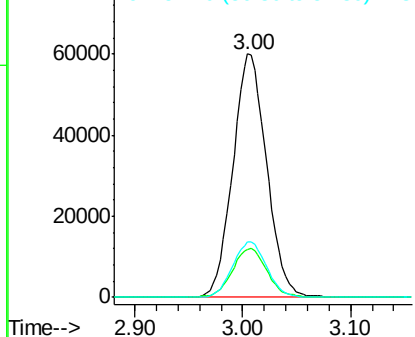


#17
Methyl tert-butyl Ether
Concen: 5.37 ug/L
RT: 3.00 min Scan# 751
Delta R.T. -0.00 min
Lab File: VU023633.D
Acq: 04 May 2018 06:18

Tgt Ion: 73 Resp: 130891
Ion Ratio Lower Upper
73 100
43 20.8 16.6 25.0
57 22.9 19.4 29.0

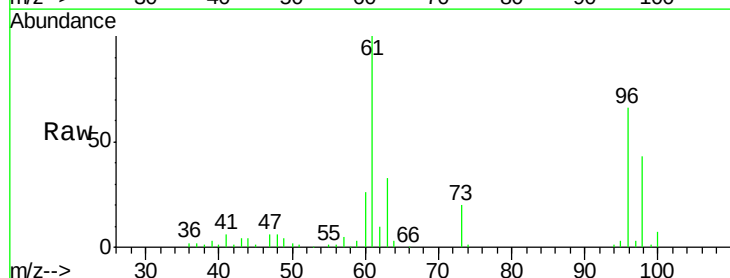


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

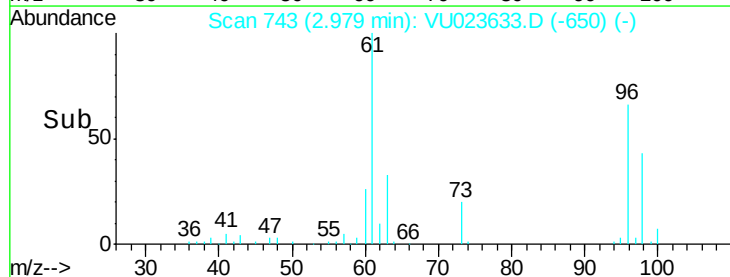
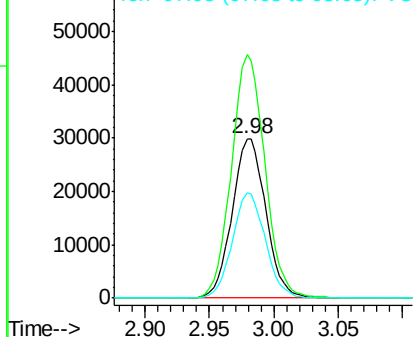


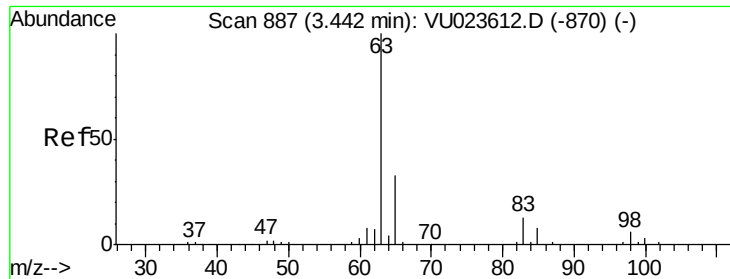
#18
trans-1,2-Dichloroethene
Concen: 5.17 ug/L
RT: 2.98 min Scan# 743
Delta R.T. -0.00 min
Lab File: VU023633.D
Acq: 04 May 2018 06:18

Tgt Ion: 96 Resp: 54138
Ion Ratio Lower Upper
96 100
61 152.5 109.0 202.4
98 66.0 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 5.85 ug/L

RT: 3.45 min Scan# 888

Delta R.T. 0.00 min

Lab File: VU023633.D

Acq: 04 May 2018 06:18

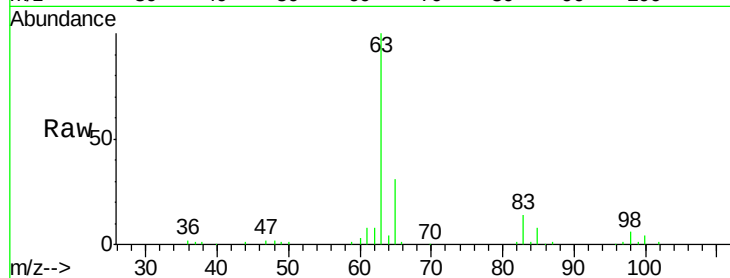
Tgt Ion: 63 Resp: 115993

Ion Ratio Lower Upper

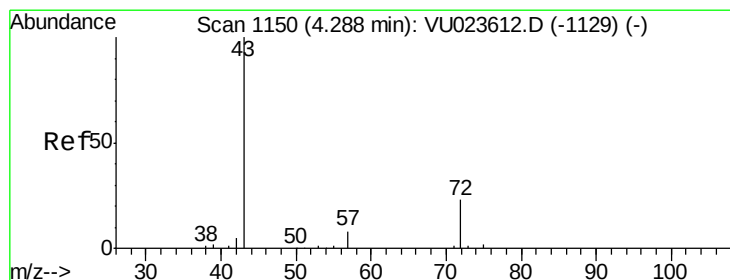
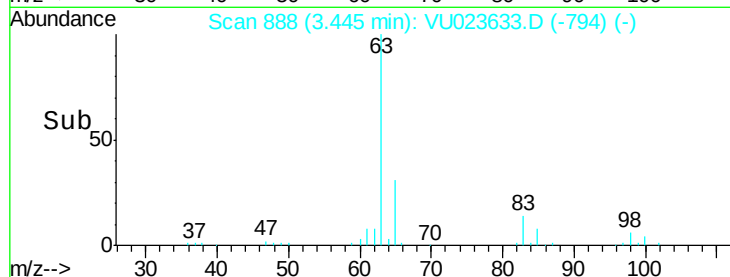
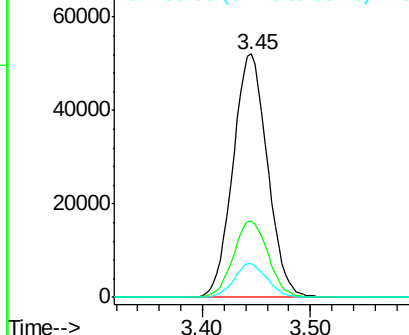
63 100

65 31.1 22.0 41.0

83 13.6 8.8 16.4



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 51.01 ug/L

RT: 4.28 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VU023633.D

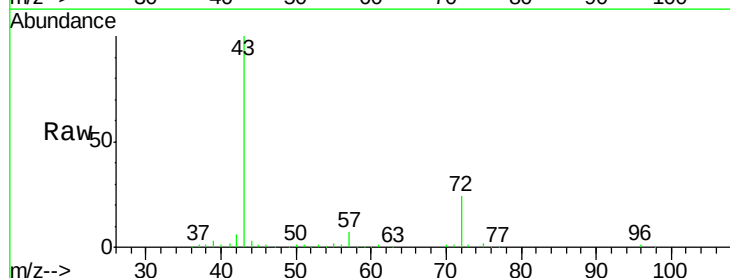
Acq: 04 May 2018 06:18

Tgt Ion: 43 Resp: 181842

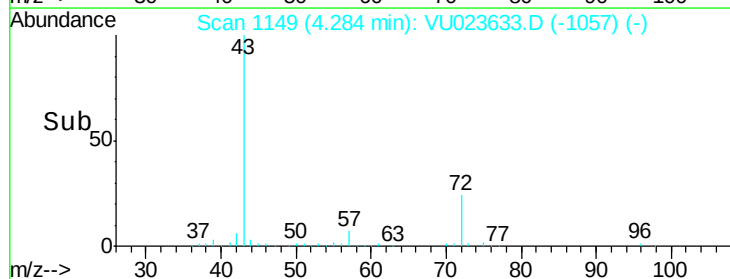
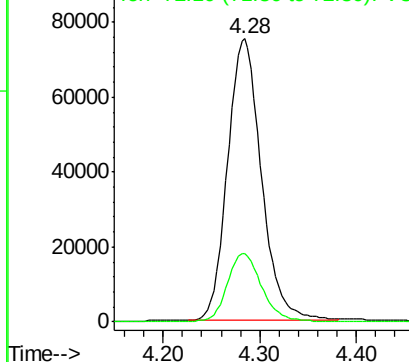
Ion Ratio Lower Upper

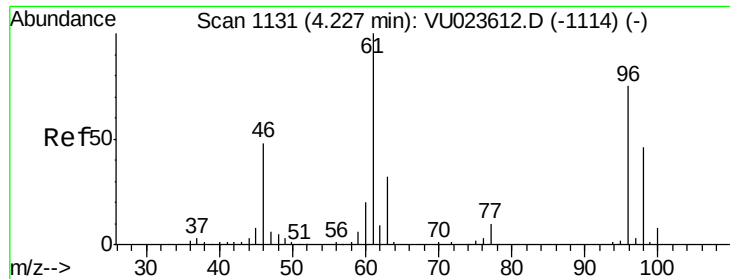
43 100

72 23.7 12.3 36.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.49 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU023633.D

Acq: 04 May 2018 06:18

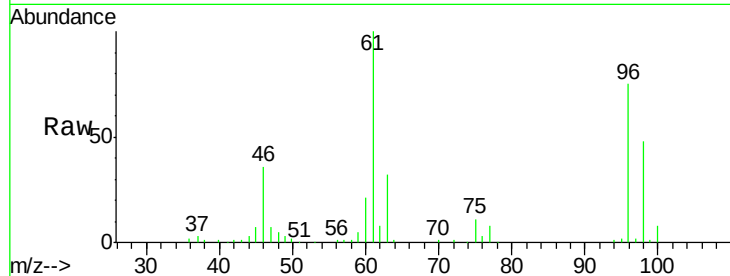
Tgt Ion: 96 Resp: 68225

Ion Ratio Lower Upper

96 100

61 133.0 94.6 175.6

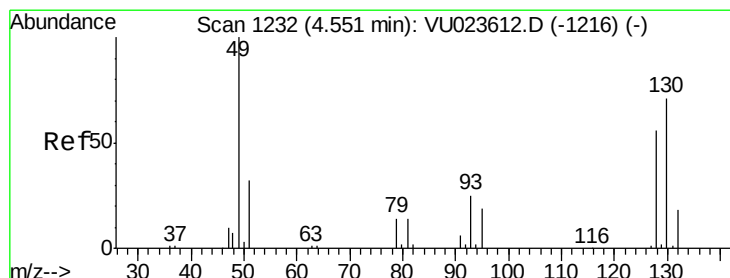
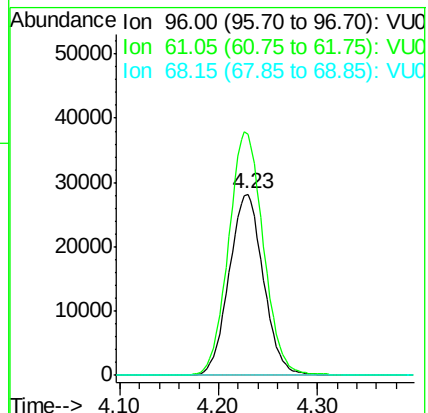
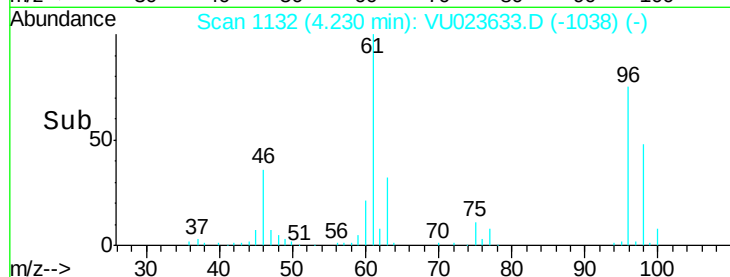
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.02 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU023633.D

Acq: 04 May 2018 06:18

Tgt Ion: 128 Resp: 26971

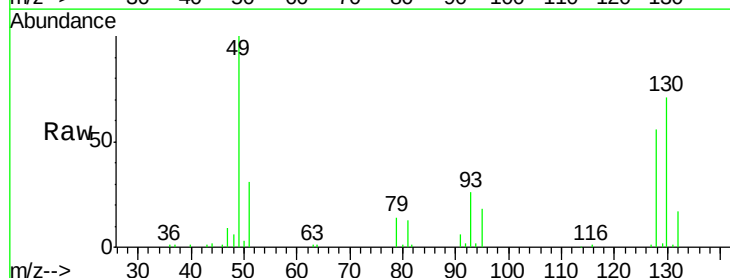
Ion Ratio Lower Upper

128 100

49 177.4 126.5 234.9

130 126.7 90.4 168.0

51 54.2 44.6 66.8

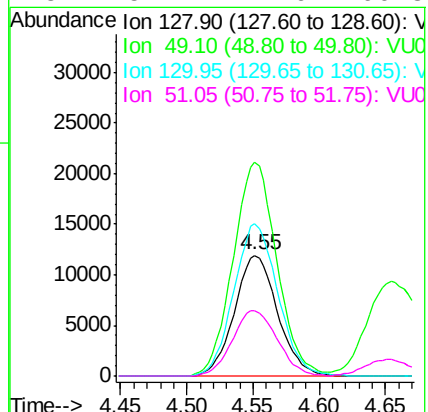
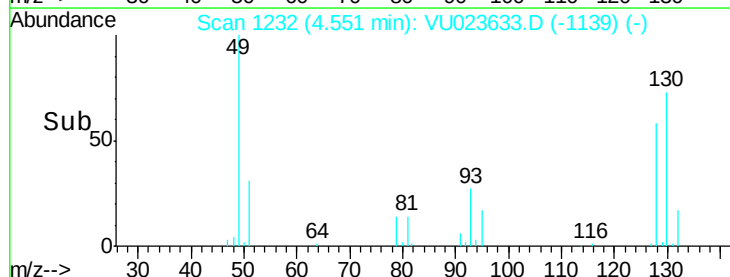


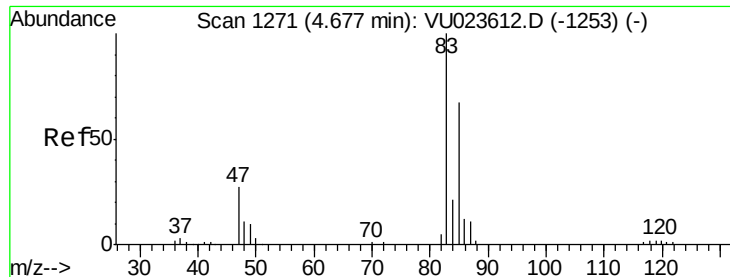
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

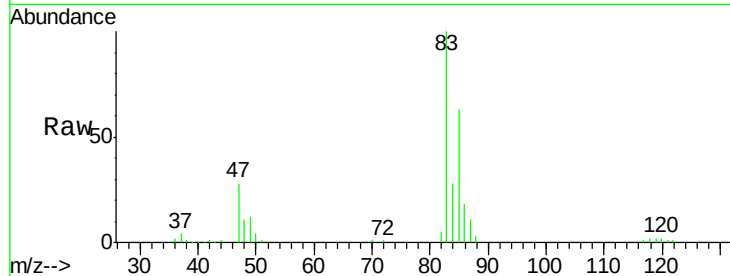
Ion 51.05 (50.75 to 51.75): VU0



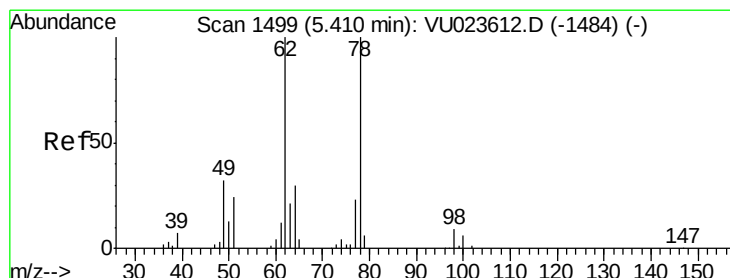
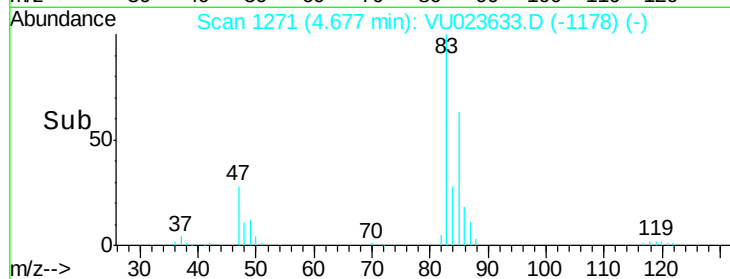
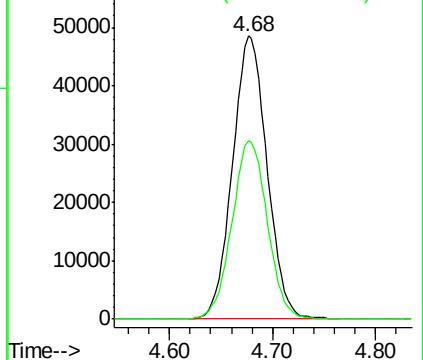


#25
Chloroform
Concen: 5.26 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU023633.D
Acq: 04 May 2018 06:18

Tgt Ion: 83 Resp: 113109
Ion Ratio Lower Upper
83 100
85 63.2 45.2 84.0

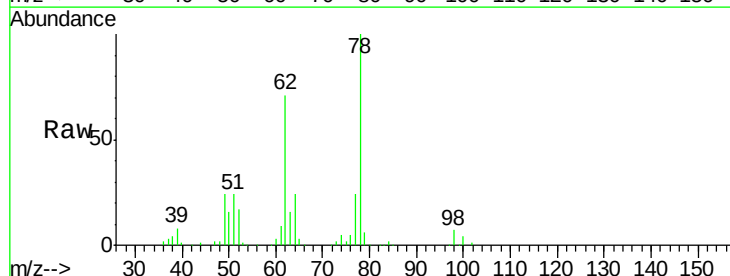


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

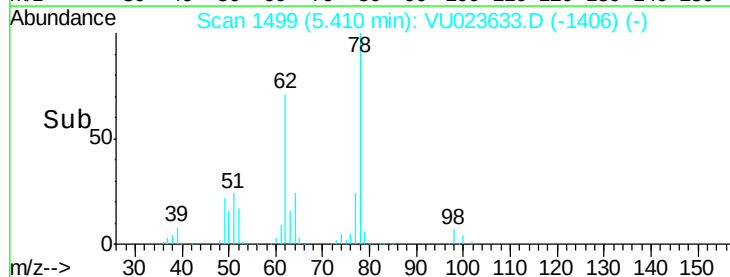
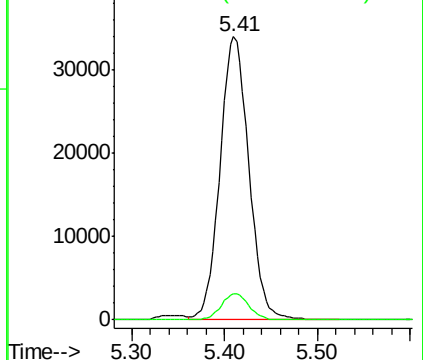


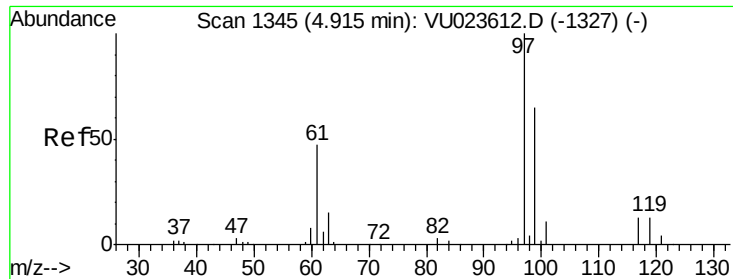
#27
1,2-Dichloroethane
Concen: 5.38 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU023633.D
Acq: 04 May 2018 06:18

Tgt Ion: 62 Resp: 73596
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0





#29

1,1,1-Trichloroethane

Concen: 5.11 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU023633.D

Acq: 04 May 2018 06:18

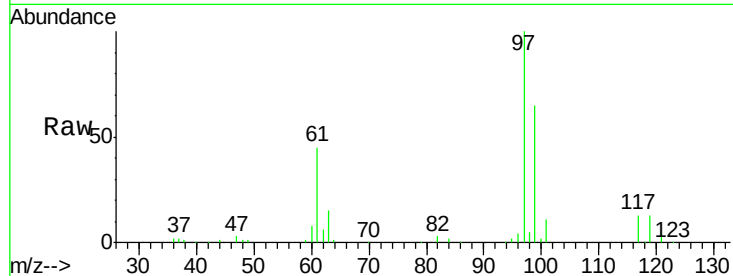
Tgt Ion: 97 Resp: 89126

Ion Ratio Lower Upper

97 100

99 65.4 52.2 78.2

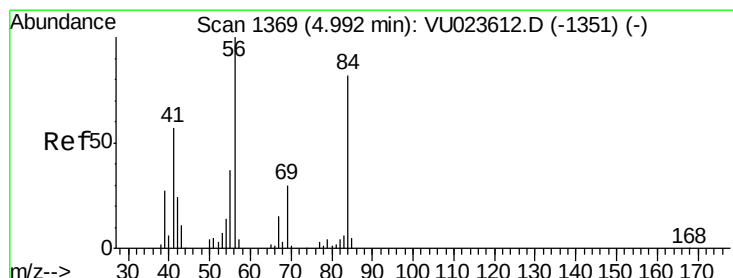
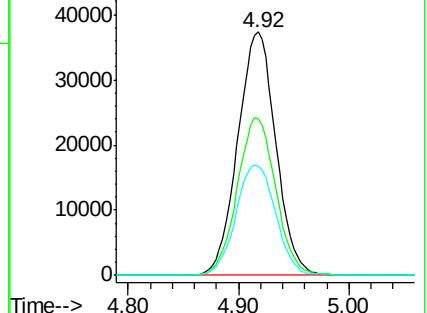
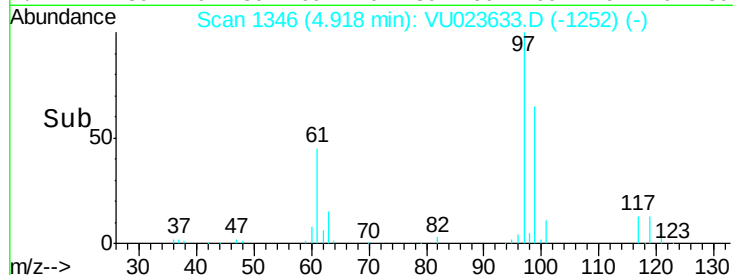
61 47.4 37.8 56.6



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 5.02 ug/L

RT: 4.99 min Scan# 1370

Delta R.T. 0.00 min

Lab File: VU023633.D

Acq: 04 May 2018 06:18

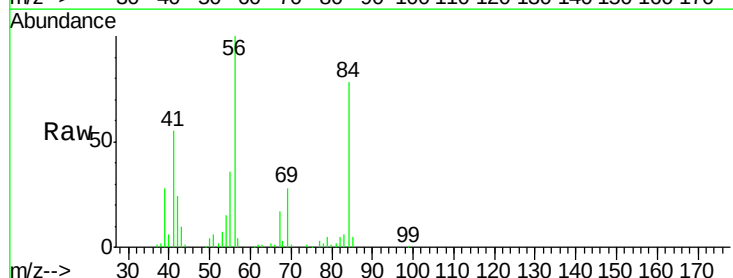
Tgt Ion: 56 Resp: 99419

Ion Ratio Lower Upper

56 100

69 28.7 23.6 35.4

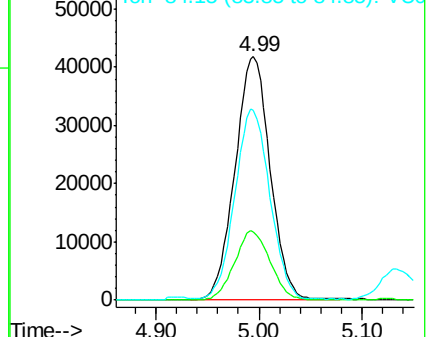
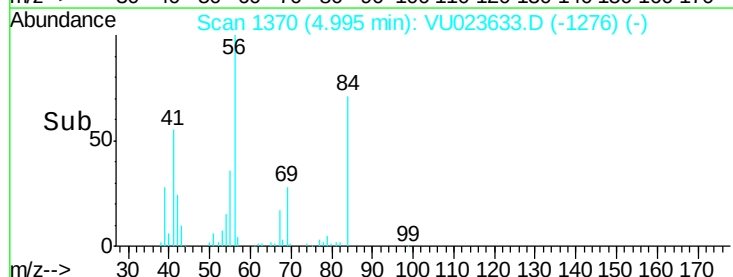
84 77.3 64.4 96.6

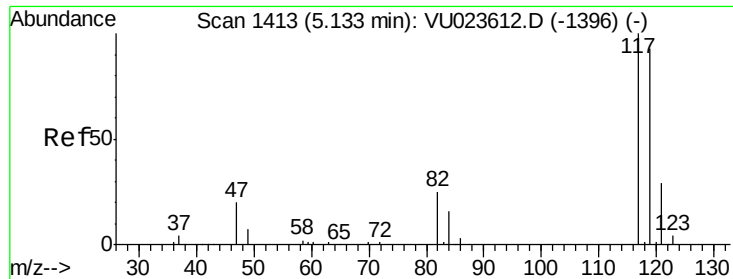


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.36 ug/L

RT: 5.13 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VU023633.D

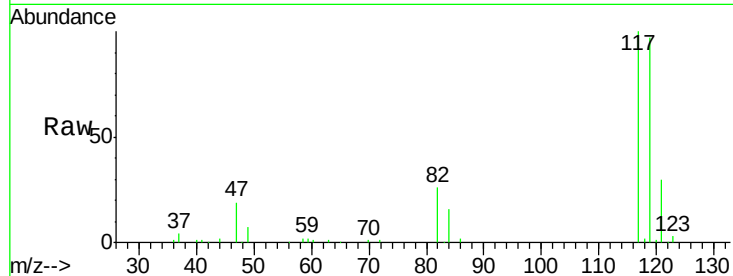
Acq: 04 May 2018 06:18

Tgt Ion:117 Resp: 77860

Ion Ratio Lower Upper

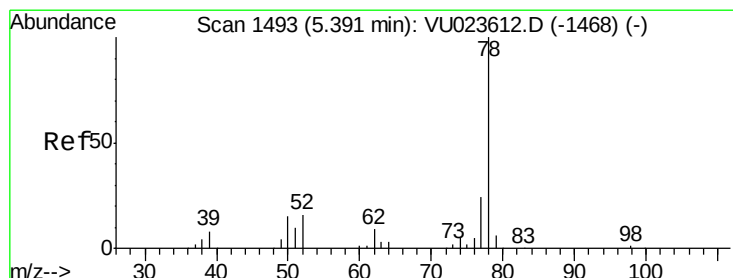
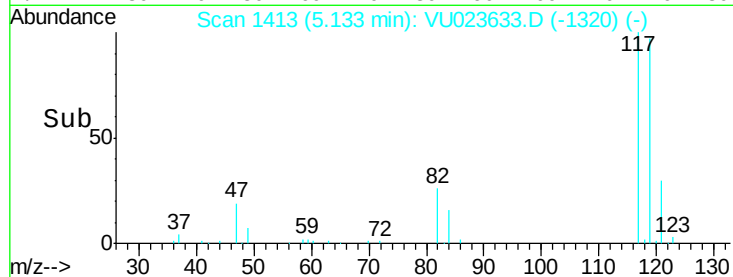
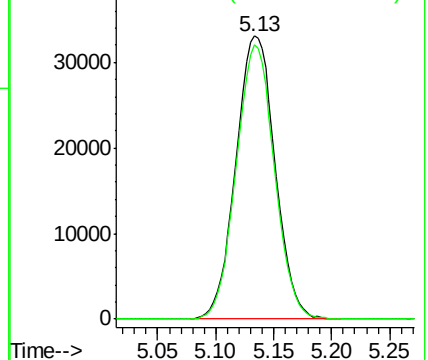
117 100

119 94.5 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.15 ug/L

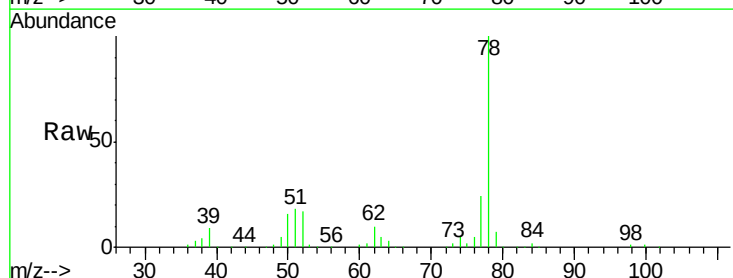
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

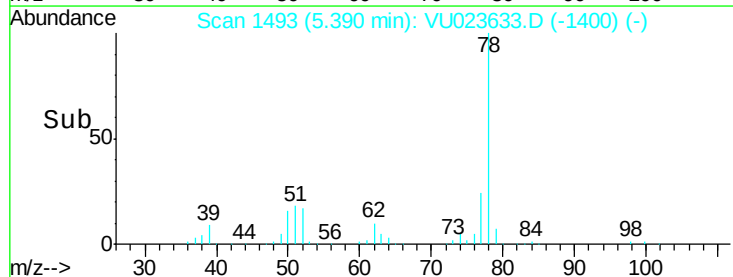
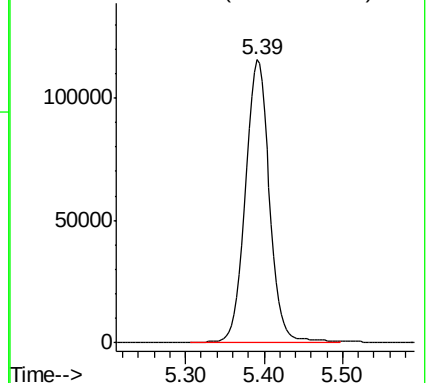
Lab File: VU023633.D

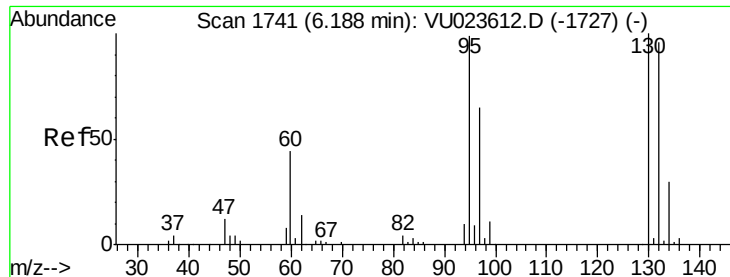
Acq: 04 May 2018 06:18

Tgt Ion: 78 Resp: 250553



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.04 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU023633.D

Acq: 04 May 2018 06:18

Tgt Ion: 95 Resp: 63849

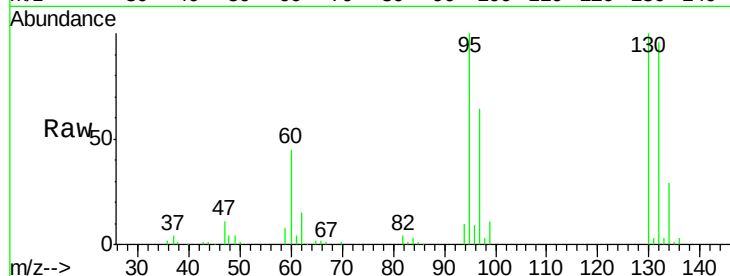
Ion Ratio Lower Upper

95 100

97 64.5 46.0 85.4

132 96.2 68.1 126.5

130 100.3 70.1 130.1

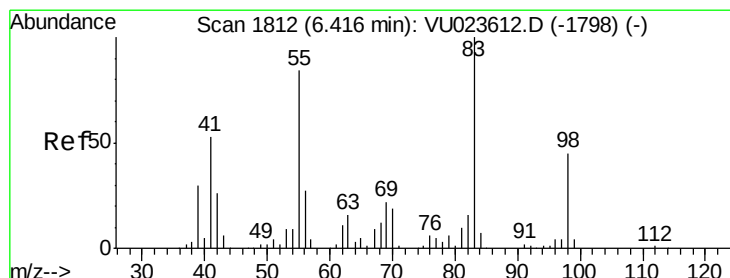
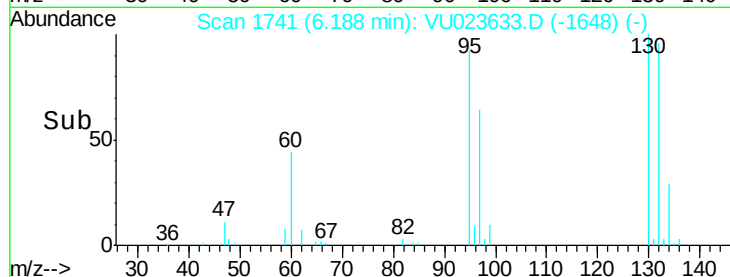
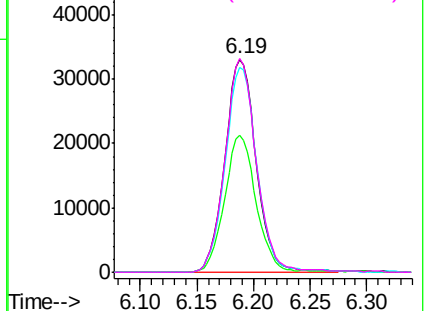


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.68 ug/L

RT: 6.42 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VU023633.D

Acq: 04 May 2018 06:18

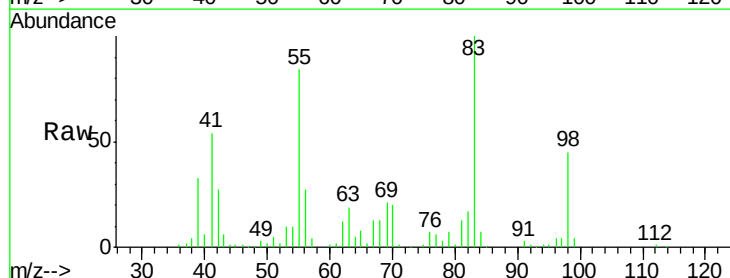
Tgt Ion: 83 Resp: 89845

Ion Ratio Lower Upper

83 100

55 86.6 68.4 102.6

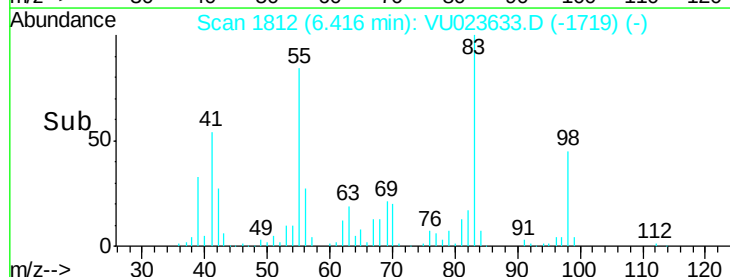
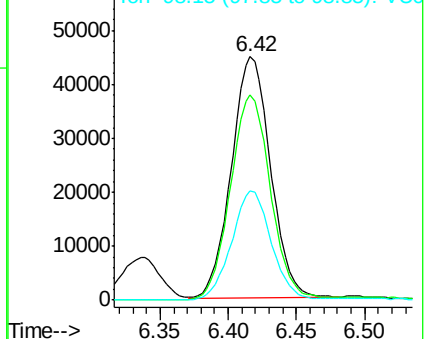
98 45.6 36.7 55.1

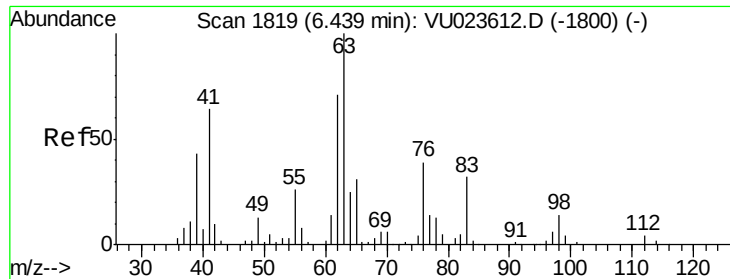


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.16 ug/L

RT: 6.44 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VU023633.D

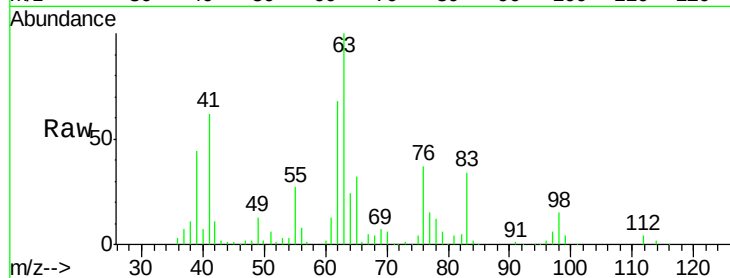
Acq: 04 May 2018 06:18

Tgt Ion: 63 Resp: 69736

Ion Ratio Lower Upper

63 100

112 3.5 3.0 4.4



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

6.44

40000

30000

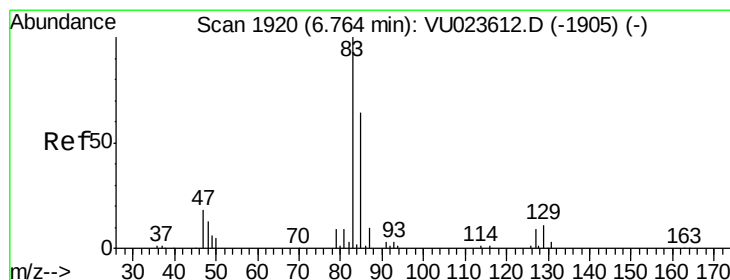
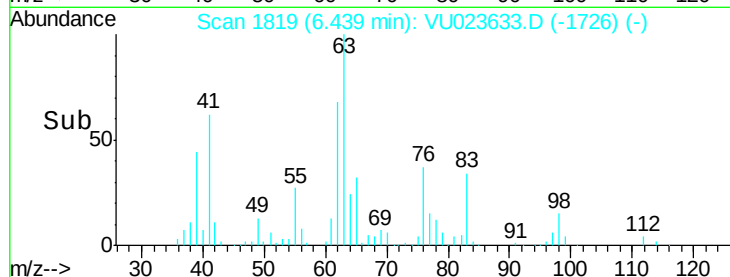
20000

10000

0

6.35 6.40 6.45 6.50 6.55

Time-->



#38

Bromodichloromethane

Concen: 5.15 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU023633.D

Acq: 04 May 2018 06:18

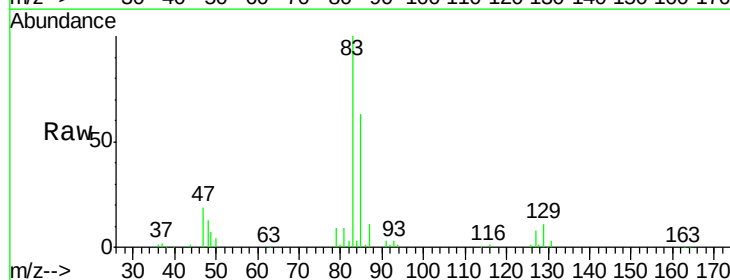
Tgt Ion: 83 Resp: 76396

Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.7

127 8.4 6.7 10.1



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V

6.76

50000

40000

30000

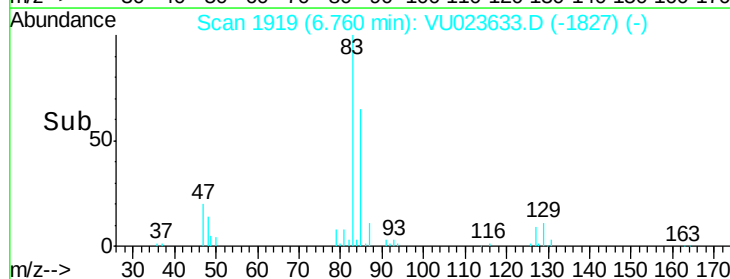
20000

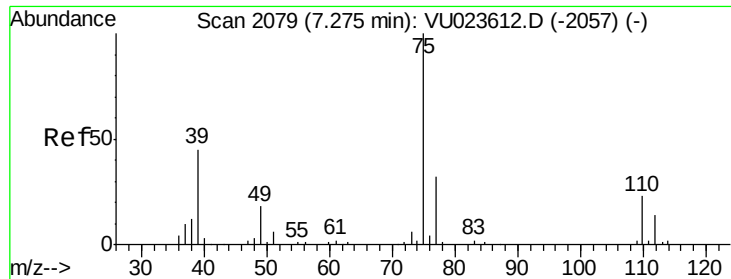
10000

0

6.65 6.70 6.75 6.80 6.85

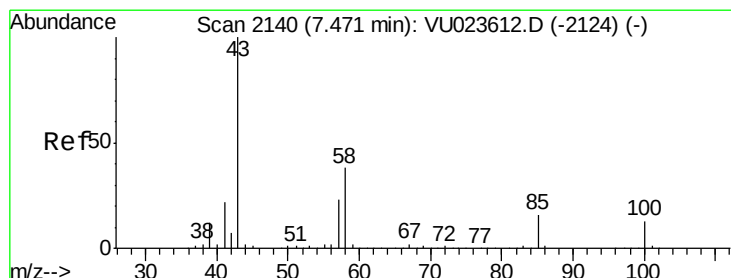
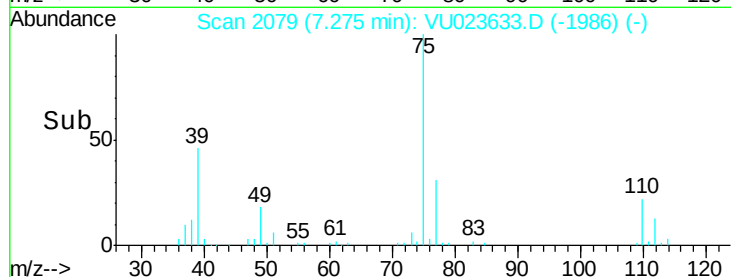
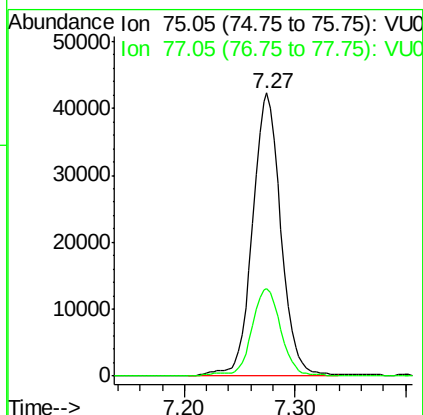
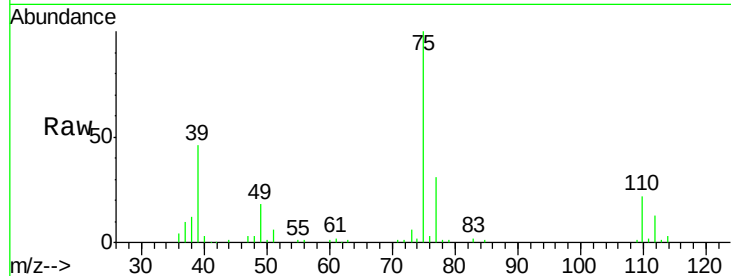
Time-->





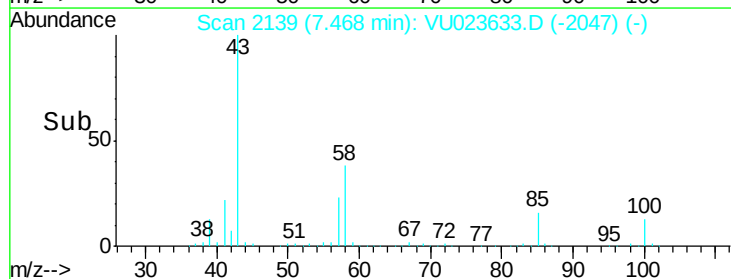
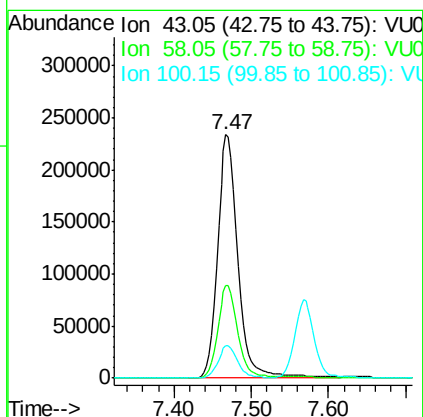
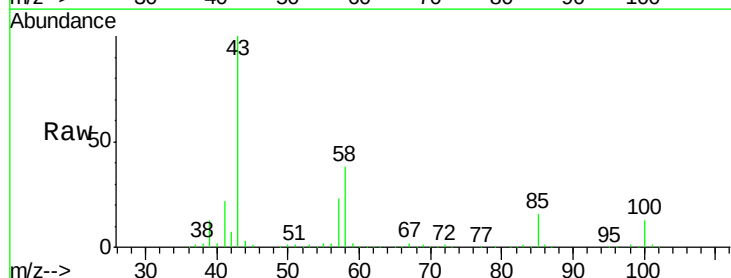
#39
 cis-1,3-Dichloropropene
 Concen: 4.48 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VU023633.D
 Acq: 04 May 2018 06:18

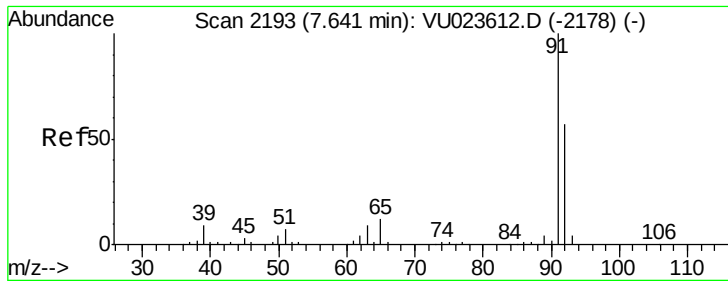
Tgt Ion: 75 Resp: 75542
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 52.47 ug/L
 RT: 7.47 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VU023633.D
 Acq: 04 May 2018 06:18

Tgt Ion: 43 Resp: 432439
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.7 44.5
 100 12.9 10.1 15.1





#42

Toluene

Concen: 5.31 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU023633.D

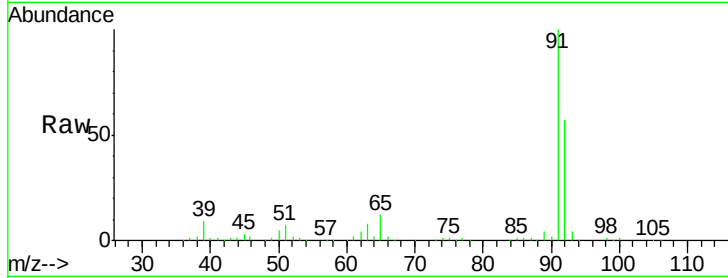
Acq: 04 May 2018 06:18

Tgt Ion: 91 Resp: 262938

Ion Ratio Lower Upper

91 100

92 57.3 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.64

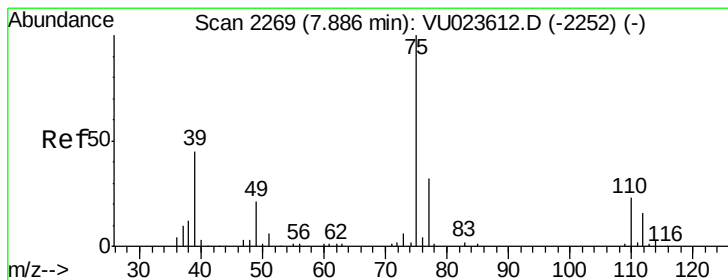
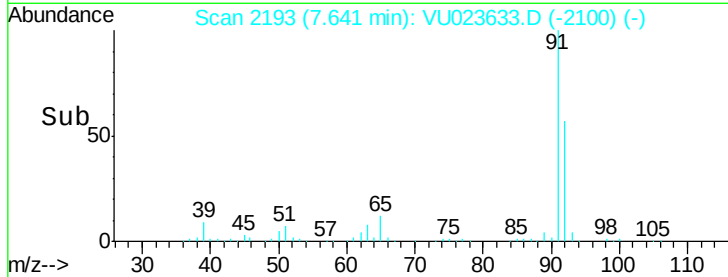
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.46 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VU023633.D

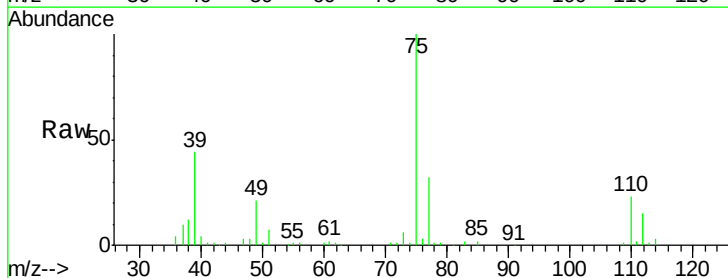
Acq: 04 May 2018 06:18

Tgt Ion: 75 Resp: 61347

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.89

40000

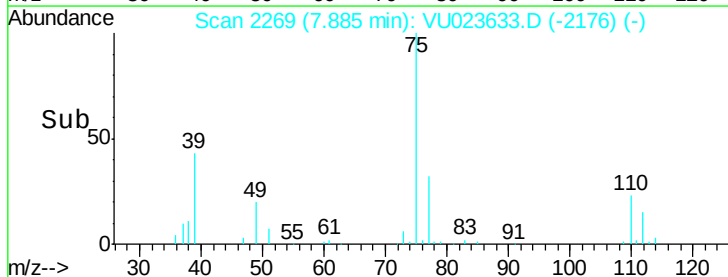
30000

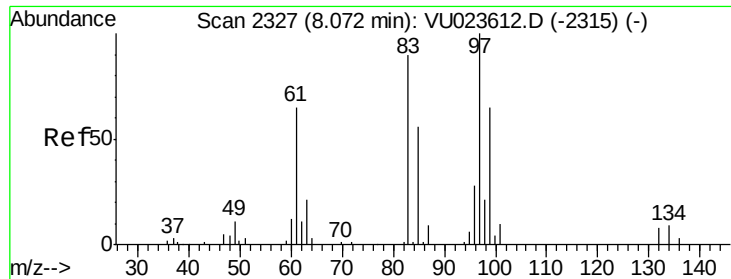
20000

10000

0

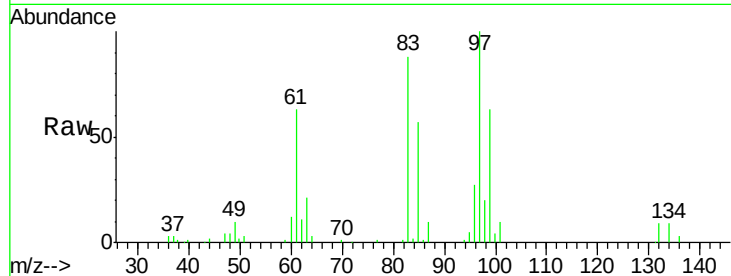
Time-->





#45
 1,1,2-Trichloroethane
 Concen: 5.33 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. -0.00 min
 Lab File: VU023633.D
 Acq: 04 May 2018 06:18

Tgt Ion:	97	Resp:	45230
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.0	81.8
83	88.0	61.6	114.4
85	56.9	41.8	77.6

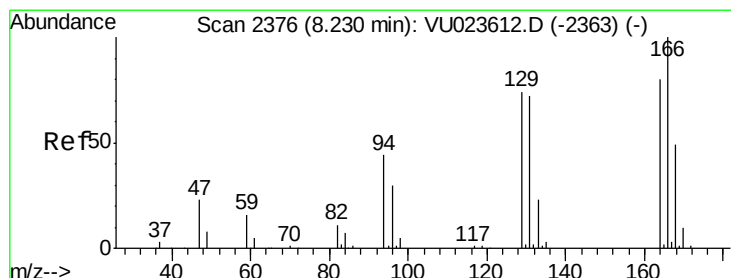
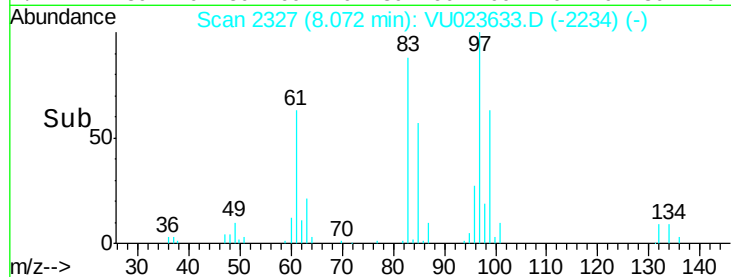
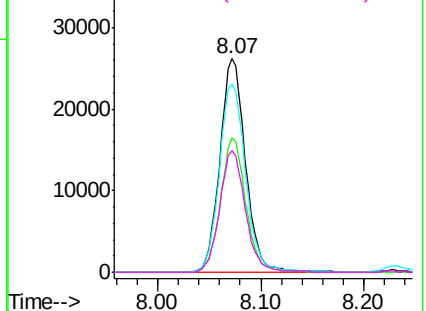


Abundance Ion 96.95 (96.65 to 97.65): VU023633.D (-2234) (-)

Ion 99.05 (98.75 to 99.75): VU023633.D (-2234) (-)

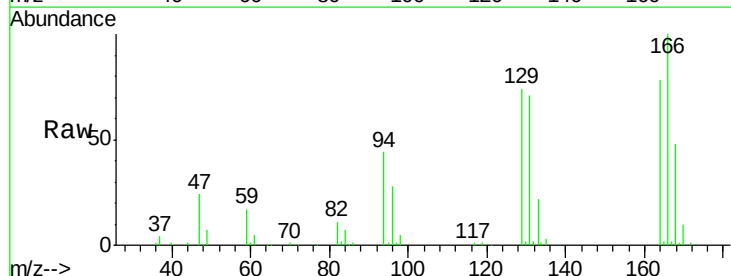
Ion 82.95 (82.65 to 83.65): VU023633.D (-2234) (-)

Ion 85.00 (84.70 to 85.70): VU023633.D (-2234) (-)



#47
 Tetrachloroethene
 Concen: 5.10 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU023633.D
 Acq: 04 May 2018 06:18

Tgt Ion:	164	Resp:	51090
Ion	Ratio	Lower	Upper
164	100		
129	94.2	64.4	119.6
131	91.3	63.9	118.7
166	127.9	90.0	167.2

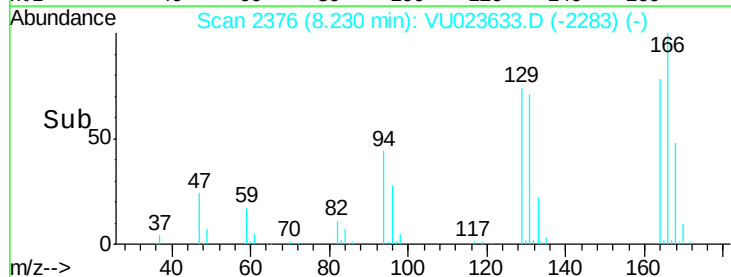
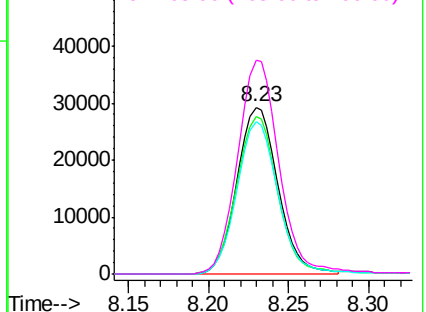


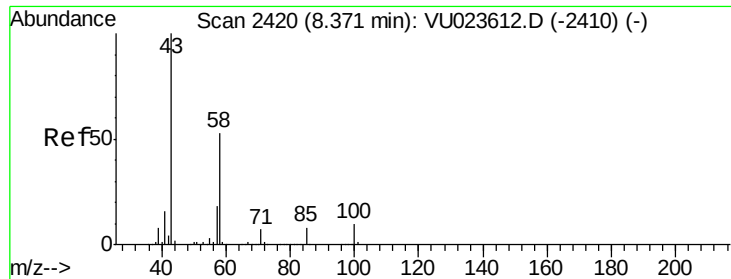
Abundance Ion 163.90 (163.60 to 164.60): VU023633.D (-2283) (-)

Ion 128.95 (128.65 to 129.65): VU023633.D (-2283) (-)

Ion 130.95 (130.65 to 131.65): VU023633.D (-2283) (-)

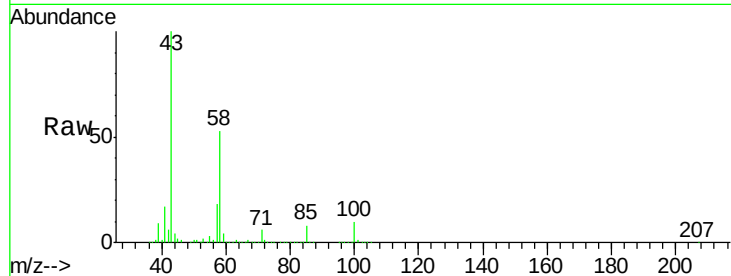
Ion 165.90 (165.60 to 166.60): VU023633.D (-2283) (-)



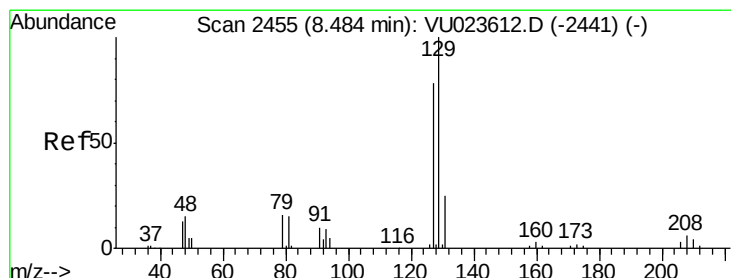
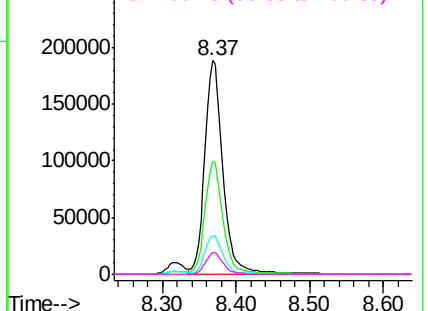
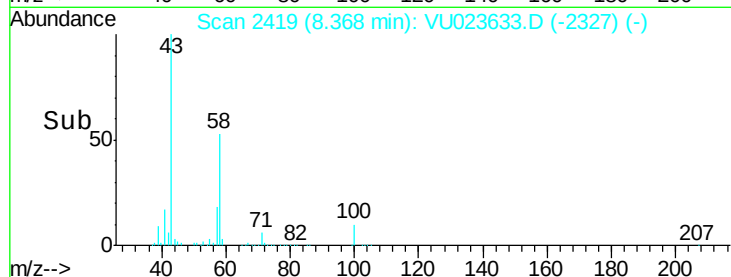


#48
2-Hexanone
Concen: 54.37 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. -0.00 min
Lab File: VU023633.D
Acq: 04 May 2018 06:18

Tgt Ion:	43	Resp:	324524
Ion	Ratio	Lower	Upper
43	100		
58	52.2	42.1	63.1
57	18.1	14.3	21.5
100	9.9	7.8	11.8

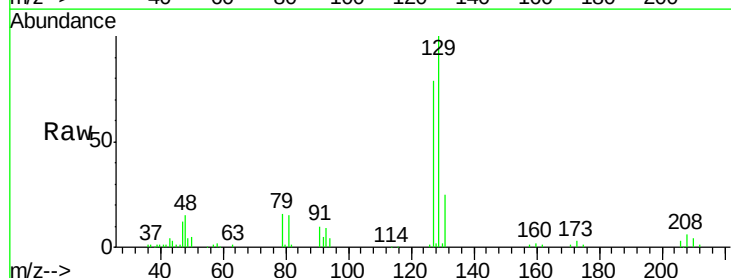


Abundance Ion 43.05 (42.75 to 43.75): VU023633.D (-2327) (-)
Ion 58.05 (57.75 to 58.75): VU023633.D (-2327) (-)
Ion 57.20 (56.90 to 57.90): VU023633.D (-2327) (-)
Ion 100.15 (99.85 to 100.85): VU023633.D (-2327) (-)

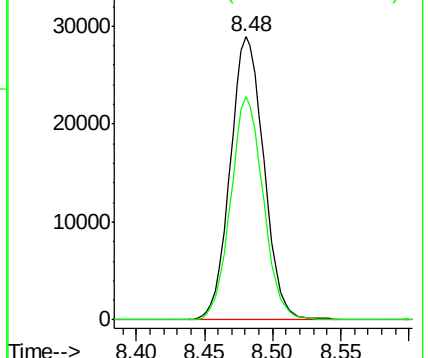
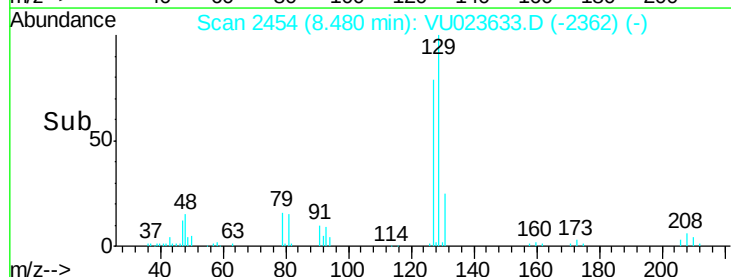


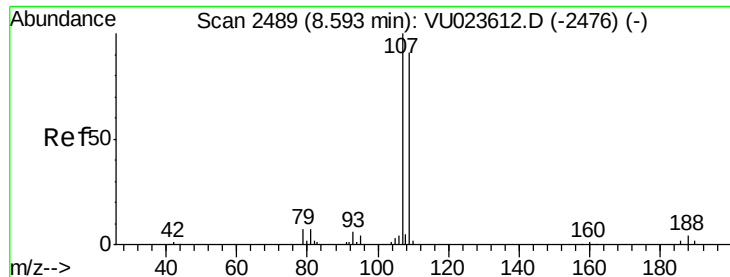
#49
Dibromochloromethane
Concen: 5.09 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU023633.D
Acq: 04 May 2018 06:18

Tgt Ion:	129	Resp:	49448
Ion	Ratio	Lower	Upper
129	100		
127	78.7	56.9	105.7



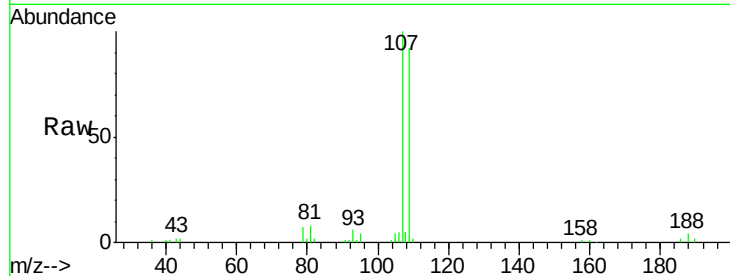
Abundance Ion 128.95 (128.65 to 129.65): VU023633.D (-2362) (-)
Ion 126.90 (126.60 to 127.60): VU023633.D (-2362) (-)



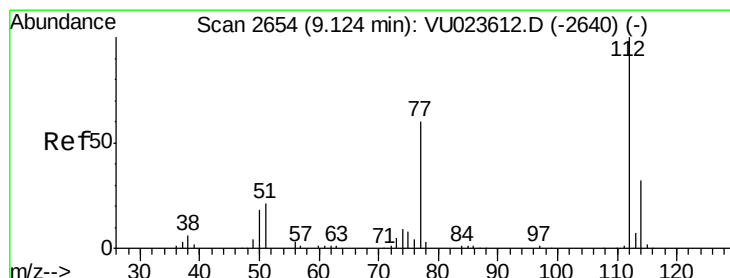
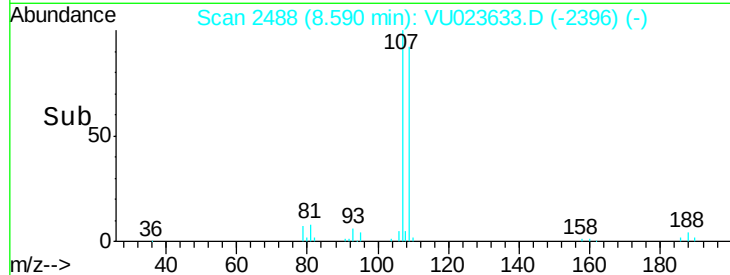
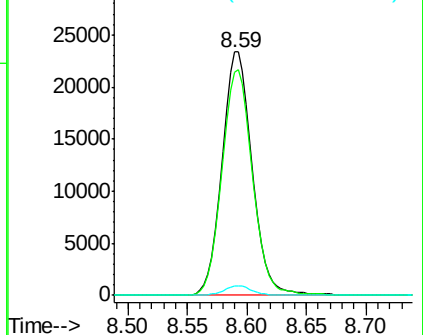


#50
 1,2-Dibromoethane
 Concen: 5.17 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU023633.D
 Acq: 04 May 2018 06:18

Tgt Ion:107 Resp: 40927
 Ion Ratio Lower Upper
 107 100
 109 91.5 68.4 127.0
 188 3.7 3.0 4.4

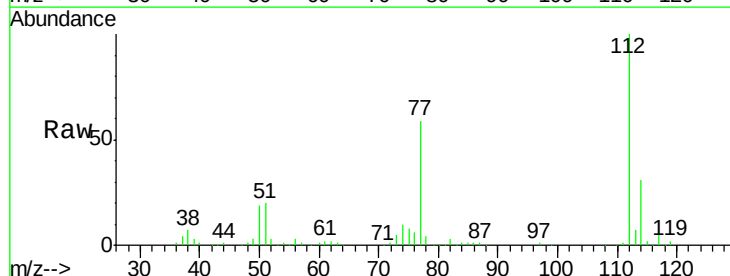


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

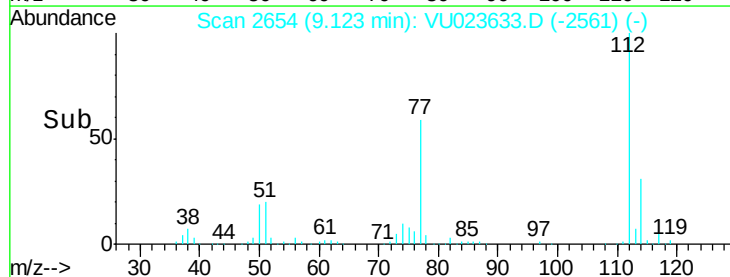
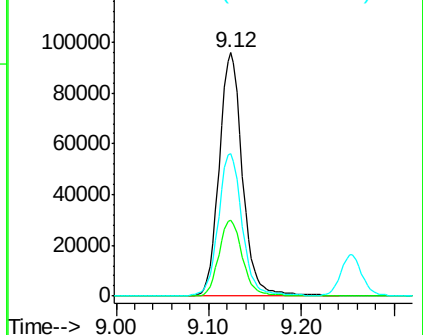


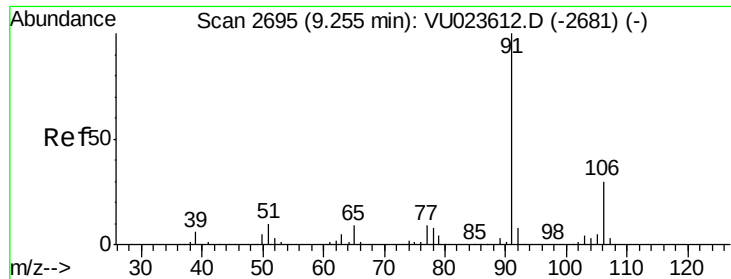
#51
 Chlorobenzene
 Concen: 5.16 ug/L
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU023633.D
 Acq: 04 May 2018 06:18

Tgt Ion:112 Resp: 167461
 Ion Ratio Lower Upper
 112 100
 114 31.3 22.3 41.3
 77 58.8 48.8 73.2



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





#52

Ethylbenzene

Concen: 5.15 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU023633.D

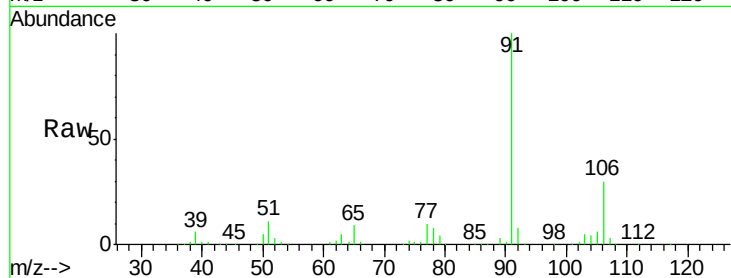
Acq: 04 May 2018 06:18

Tgt Ion: 91 Resp: 270812

Ion Ratio Lower Upper

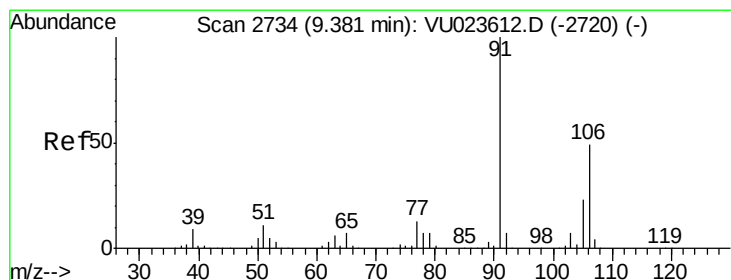
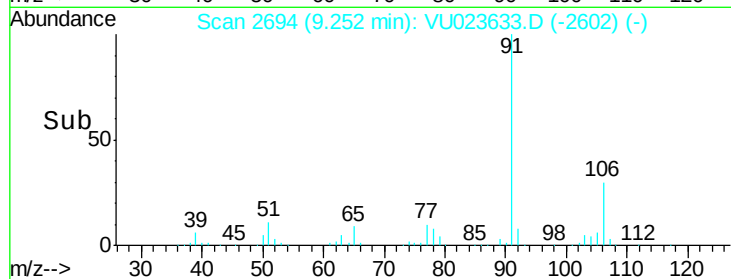
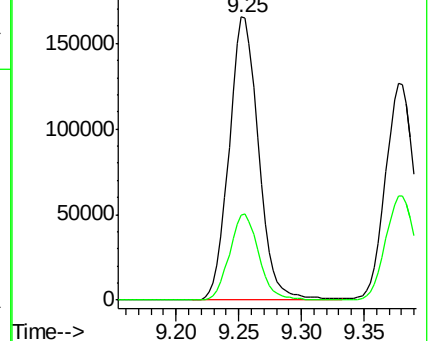
91 100

106 29.9 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 5.26 ug/L

RT: 9.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU023633.D

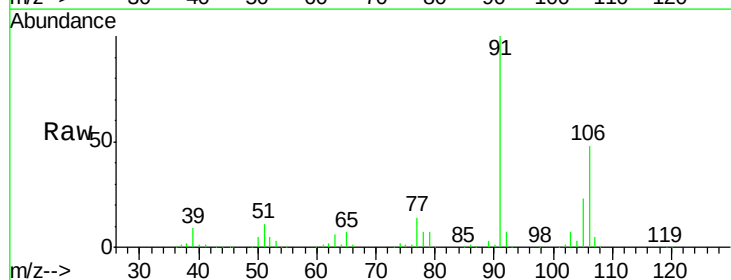
Acq: 04 May 2018 06:18

Tgt Ion: 106 Resp: 103942

Ion Ratio Lower Upper

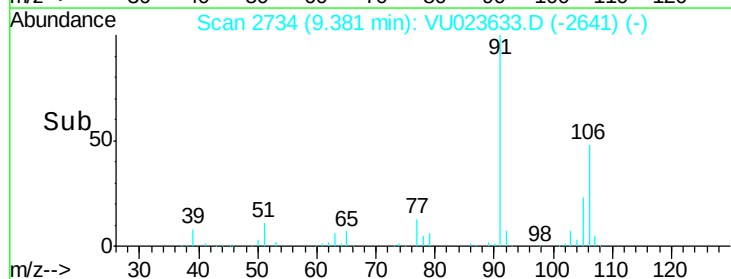
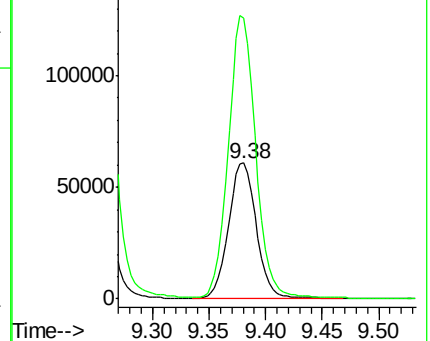
106 100

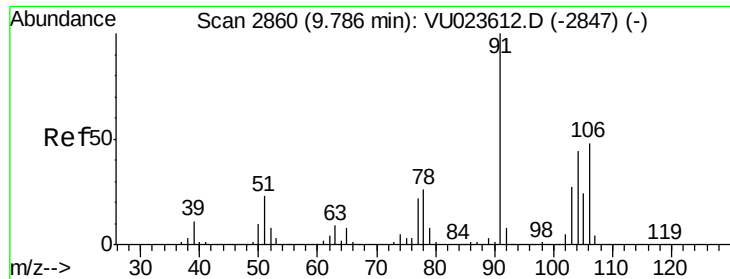
91 206.8 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#54

o-xylene

Concen: 5.31 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU023633.D

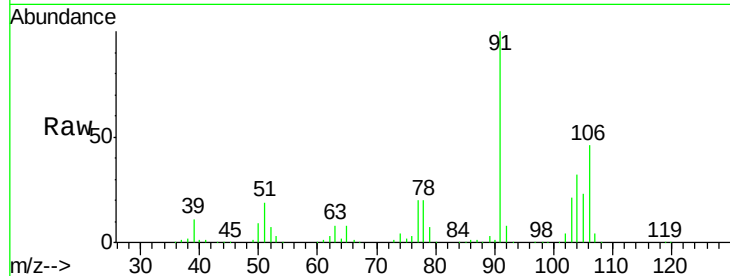
Acq: 04 May 2018 06:18

Tgt Ion:106 Resp: 99156

Ion Ratio Lower Upper

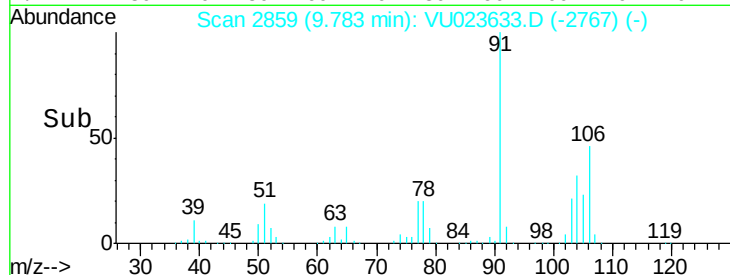
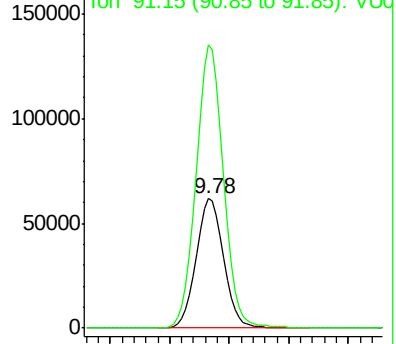
106 100

91 218.2 151.5 281.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.35 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU023633.D

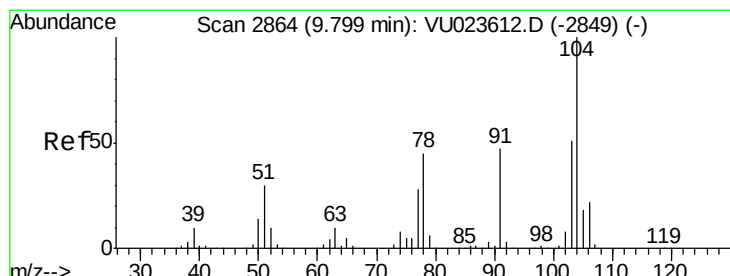
Acq: 04 May 2018 06:18

Tgt Ion:104 Resp: 175210

Ion Ratio Lower Upper

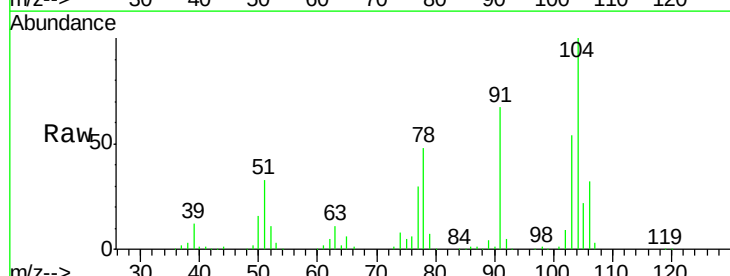
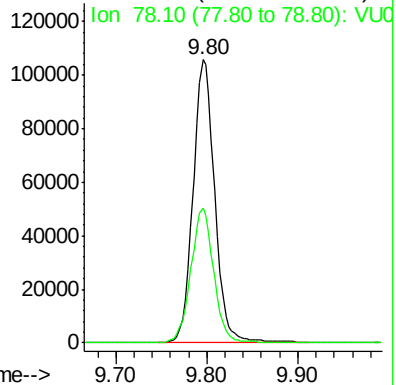
104 100

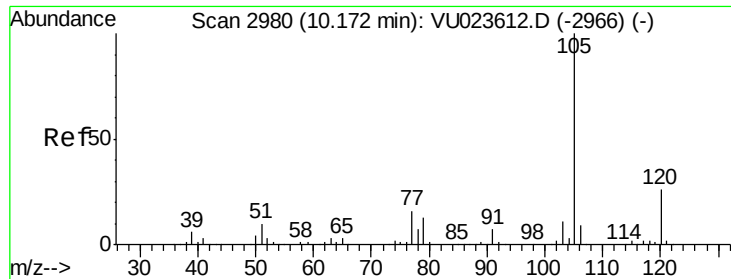
78 47.8 32.0 59.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.31 ug/L

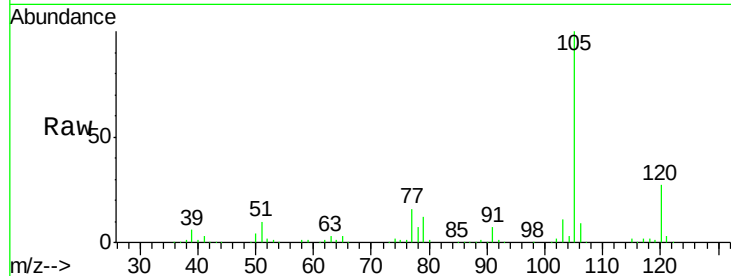
RT: 10.17 min Scan# 2980

Delta R.T. -0.00 min

Lab File: VU023633.D

Acq: 04 May 2018 06:18

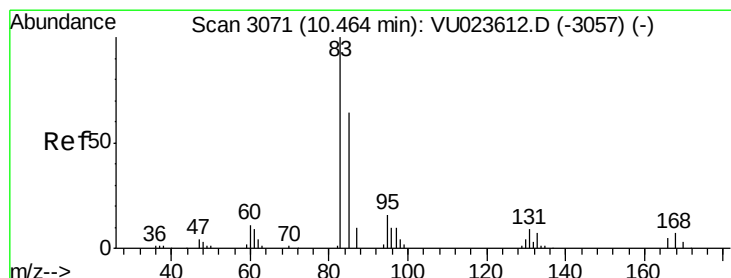
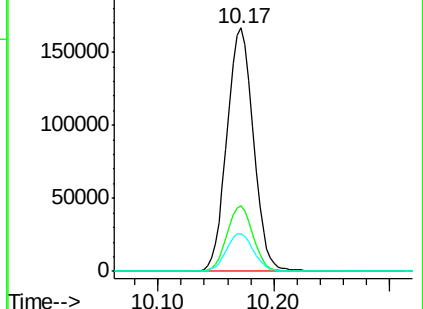
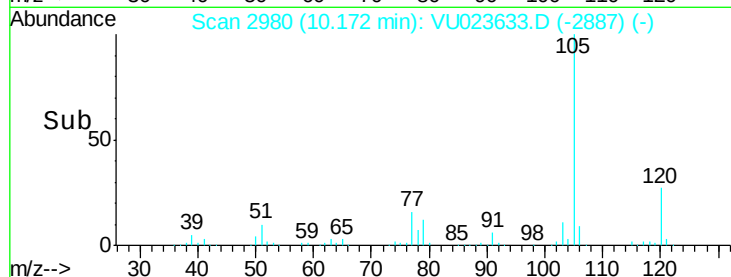
Tgt Ion:	105	Resp:	262497
Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.1	31.7
77	16.1	13.1	19.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.11 ug/L

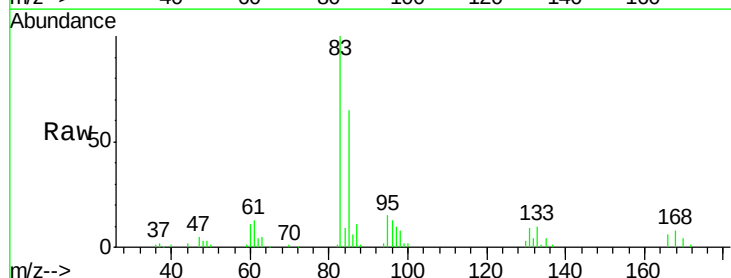
RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU023633.D

Acq: 04 May 2018 06:18

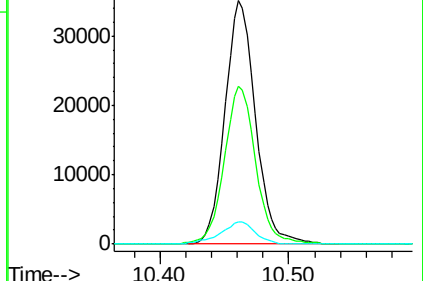
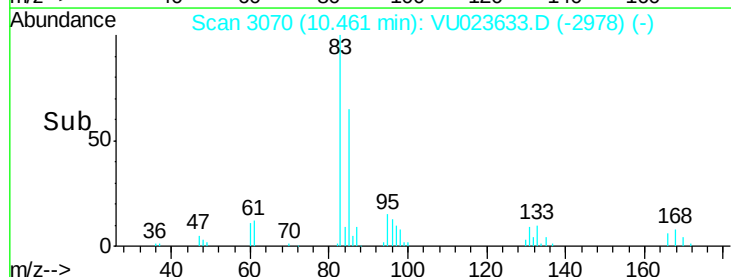
Tgt Ion:	83	Resp:	57706
Ion	Ratio	Lower	Upper
83	100		
85	65.0	44.2	82.2
131	9.2	7.3	10.9

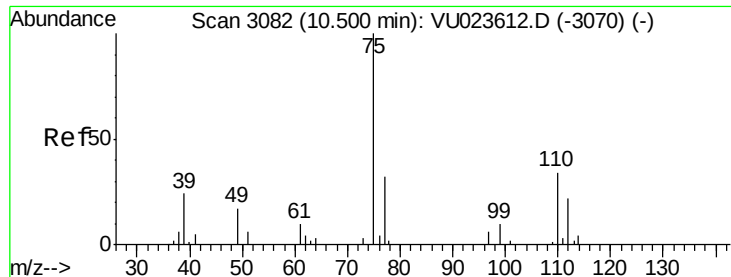


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

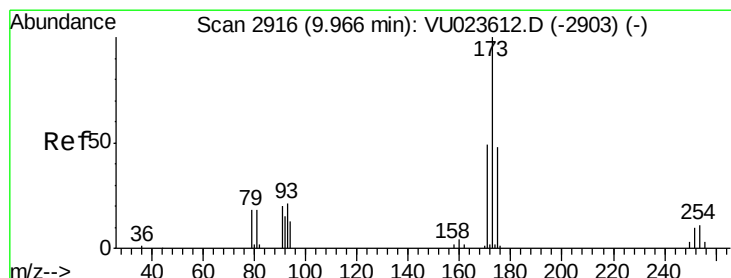
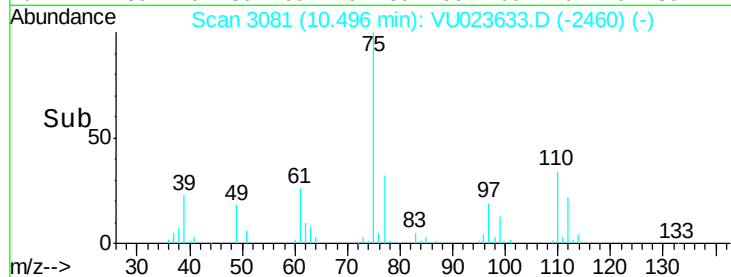
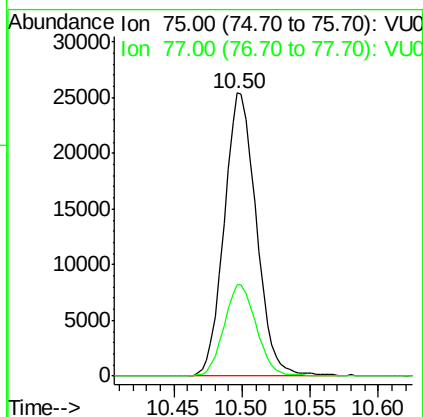
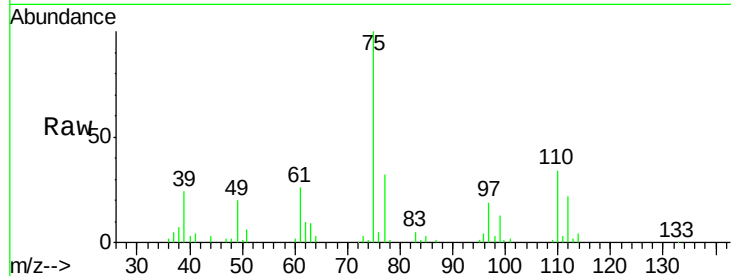
Ion 130.95 (130.65 to 131.65): V





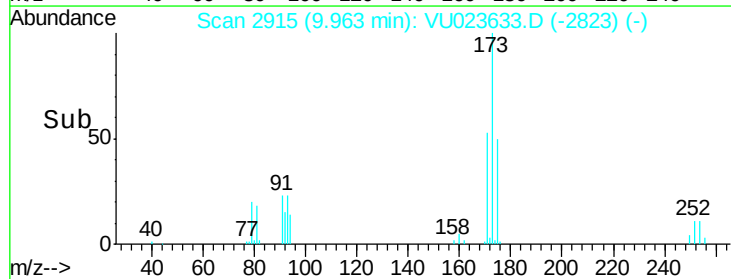
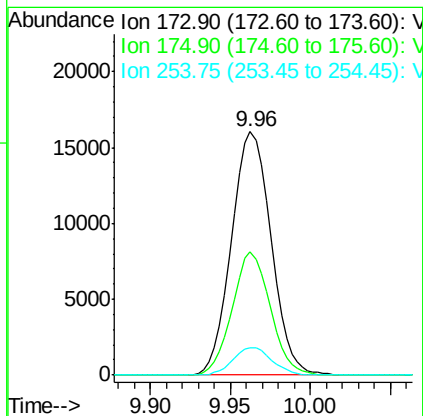
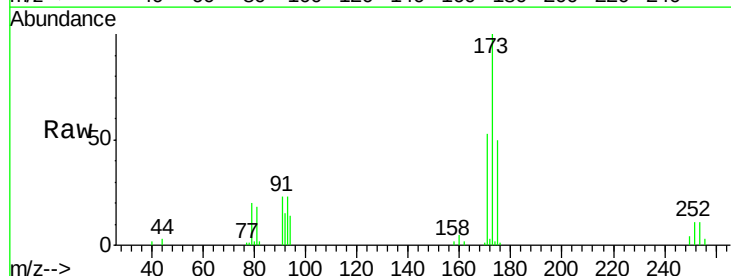
#59
 1,2,3-Trichloropropane
 Concen: 5.24 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU023633.D
 Acq: 04 May 2018 06:18

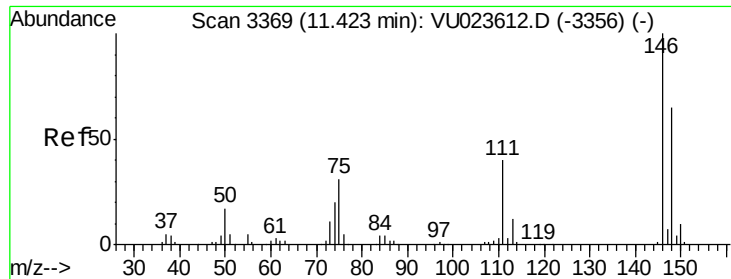
Tgt Ion: 75 Resp: 41729
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.0 39.0



#61
 Bromoform
 Concen: 4.99 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU023633.D
 Acq: 04 May 2018 06:18

Tgt Ion: 173 Resp: 27103
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.1 57.1
 254 11.0 8.6 13.0





#62

1,3-Dichlorobenzene

Concen: 5.25 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. -0.00 min

Lab File: VU023633.D

Acq: 04 May 2018 06:18

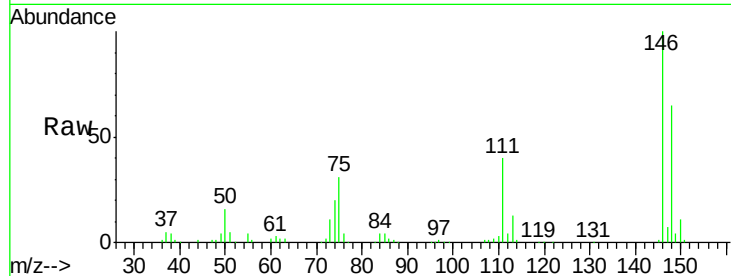
Tgt Ion:146 Resp: 127764

Ion Ratio Lower Upper

146 100

111 40.0 27.9 51.9

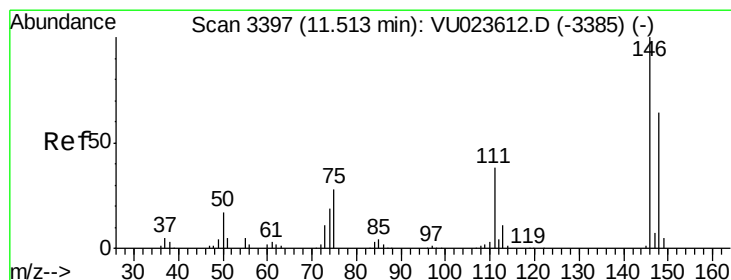
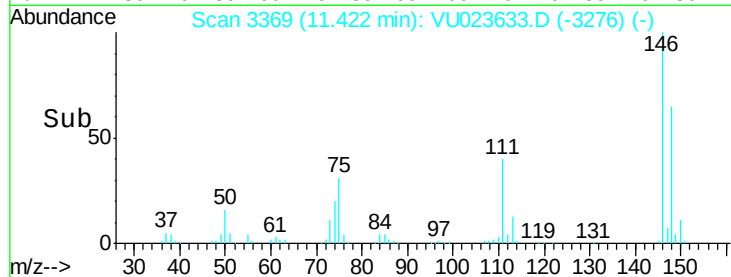
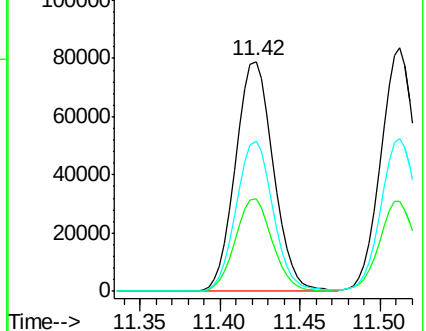
148 65.3 44.7 83.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.19 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. -0.00 min

Lab File: VU023633.D

Acq: 04 May 2018 06:18

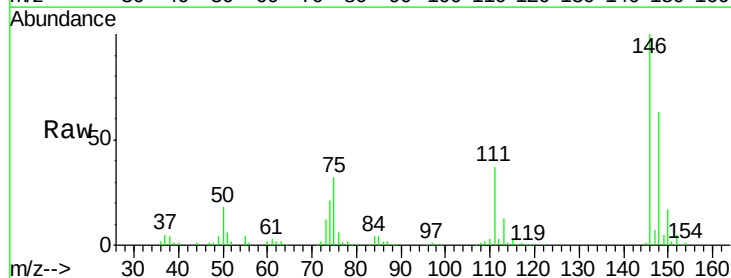
Tgt Ion:146 Resp: 133078

Ion Ratio Lower Upper

146 100

111 36.8 26.7 49.5

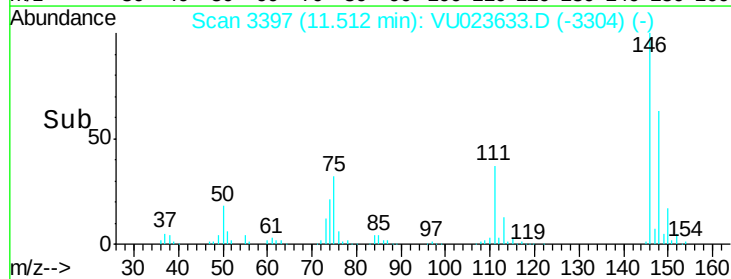
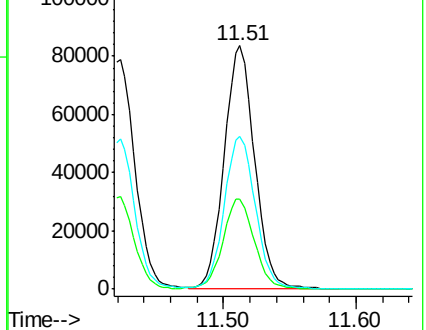
148 62.8 45.4 84.4

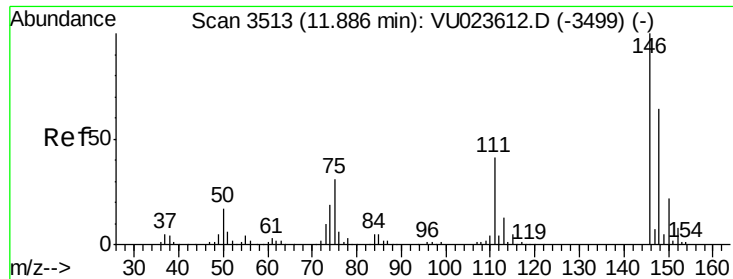


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

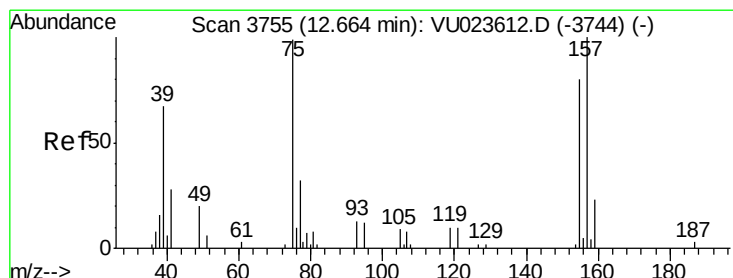
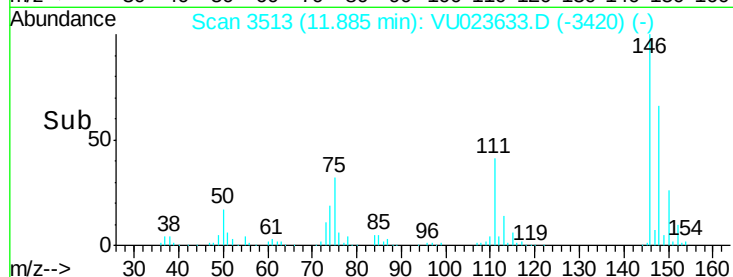
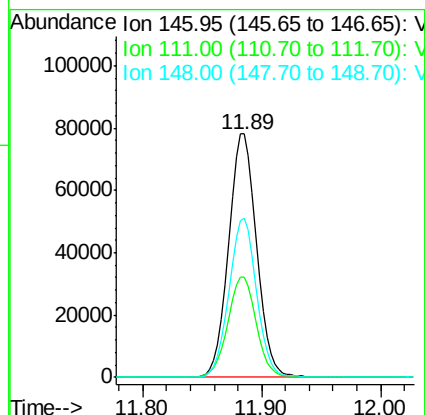
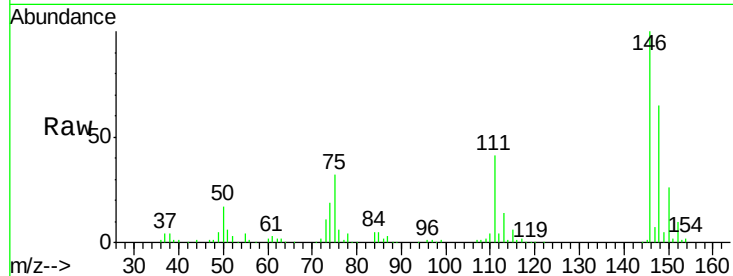
Ion 148.00 (147.70 to 148.70): V





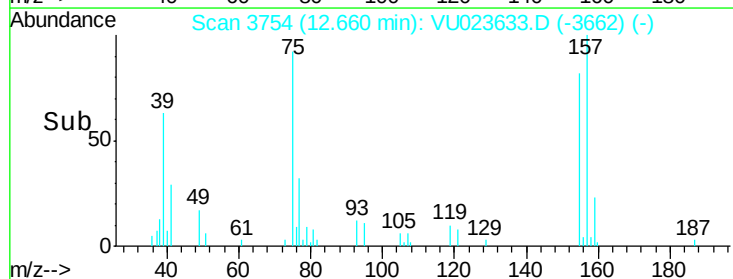
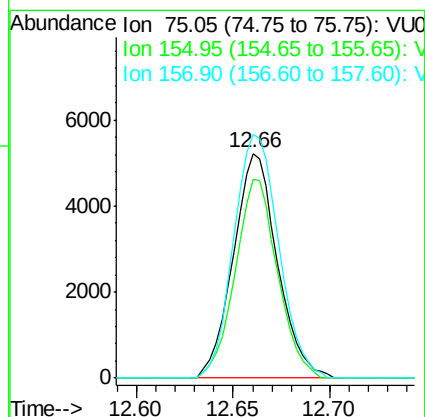
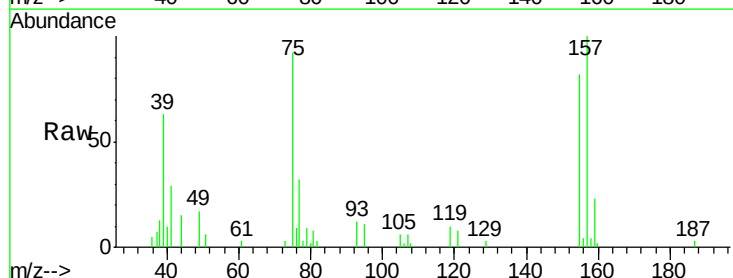
#65
 1,2-Dichlorobenzene
 Concen: 5.37 ug/L
 RT: 11.89 min Scan# 3513
 Delta R.T. -0.00 min
 Lab File: VU023633.D
 Acq: 04 May 2018 06:18

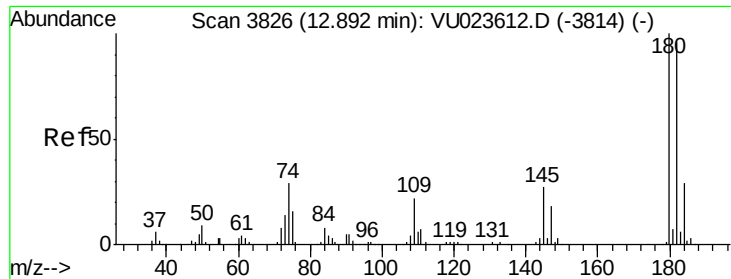
Tgt Ion: 146 Resp: 127409
 Ion Ratio Lower Upper
 146 100
 111 41.0 33.0 49.6
 148 65.4 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.15 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU023633.D
 Acq: 04 May 2018 06:18

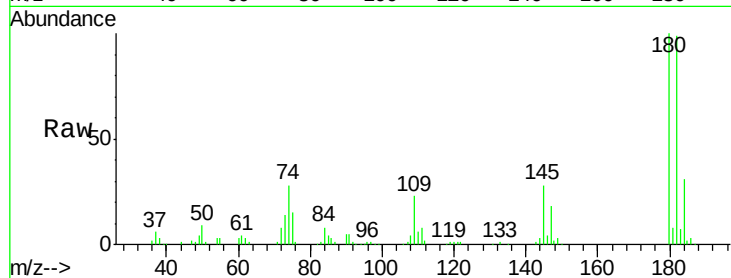
Tgt Ion: 75 Resp: 8255
 Ion Ratio Lower Upper
 75 100
 155 88.5 60.6 90.8
 157 108.4 87.7 131.5





#67
 1,3,5-Trichlorobenzene
 Concen: 5.05 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU023633.D
 Acq: 04 May 2018 06:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.2	114.2
184	30.7	24.4	36.6
145	28.3	22.8	34.2

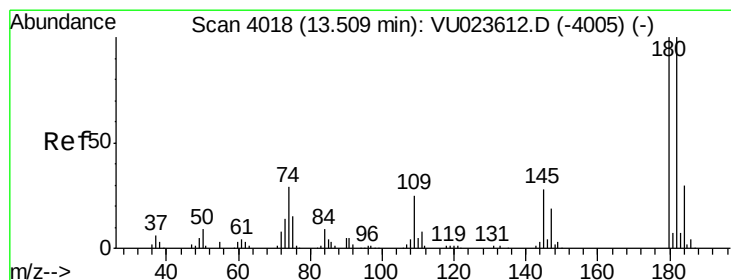
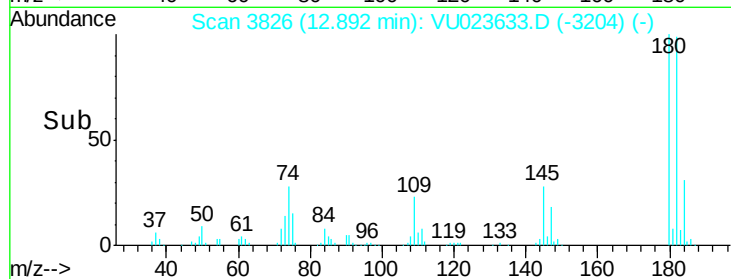
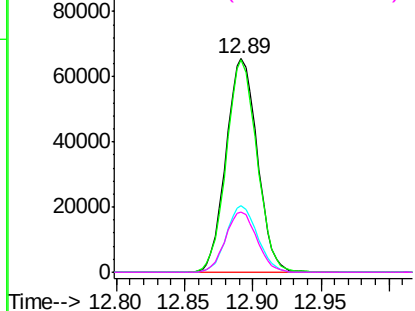


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

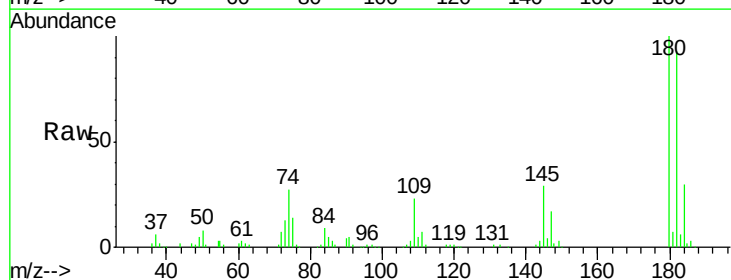
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.19 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. -0.00 min
 Lab File: VU023633.D
 Acq: 04 May 2018 06:18

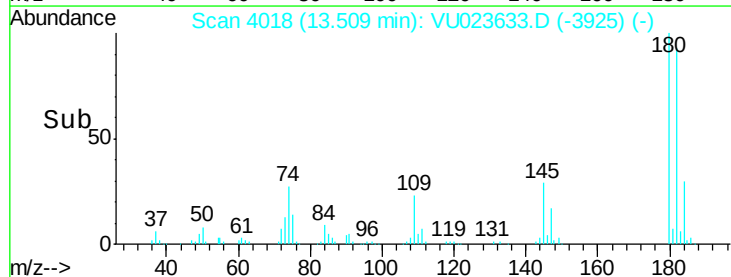
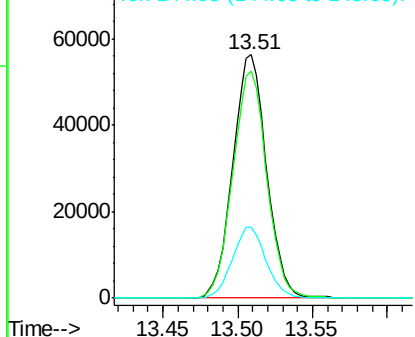
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.7	113.5
145	29.0	22.5	33.7

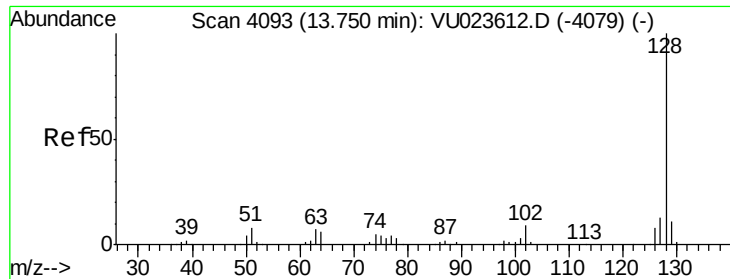


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.19 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. -0.00 min

Lab File: VU023633.D

Acq: 04 May 2018 06:18

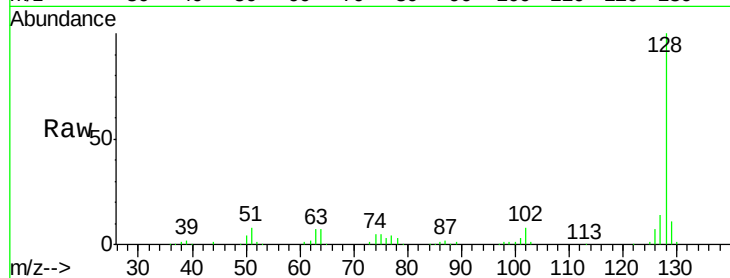
Tgt Ion:128 Resp: 134834

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

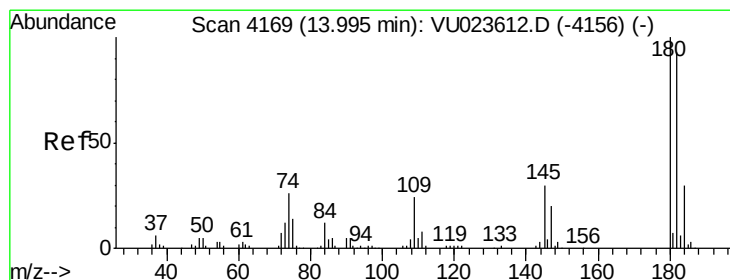
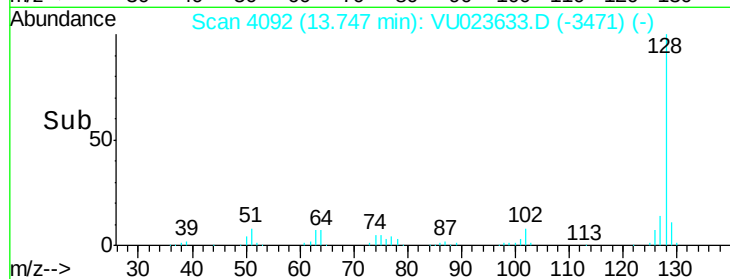
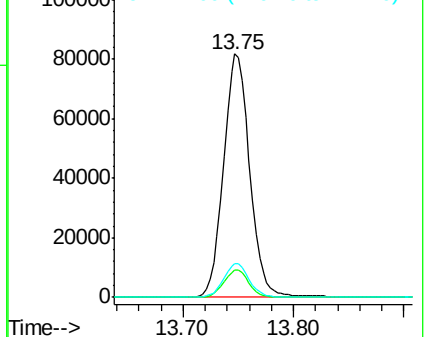
127 13.5 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.39 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. -0.00 min

Lab File: VU023633.D

Acq: 04 May 2018 06:18

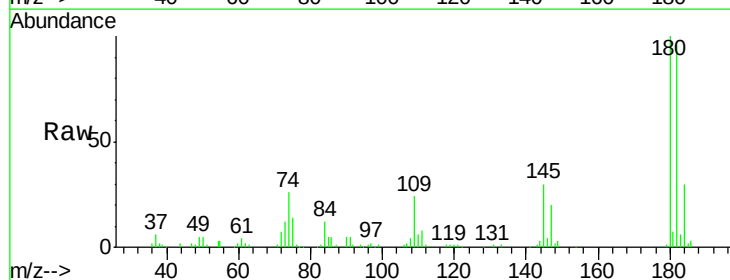
Tgt Ion:180 Resp: 86199

Ion Ratio Lower Upper

180 100

182 96.4 75.9 113.9

145 29.8 24.3 36.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

