

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU050218\
 Data File : VU023593.D
 Acq On : 02 May 2018 21:51
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 03 05:30:16 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 03 05:16:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	336903	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	320914	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	168203	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	92491	38.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.46%
7) Chloroethane-d5	1.68	69	75263	41.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.70%
11) 1,1-Dichloroethene-d2	2.27	63	195990	42.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.20%
21) 2-Butanone-d5	4.18	46	207276	125.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	125.64%
24) Chloroform-d	4.65	84	200021	50.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.30%
26) 1,2-Dichloroethane-d4	5.31	65	131140	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.50%
32) Benzene-d6	5.35	84	397921	46.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.44%
36) 1,2-Dichloropropane-d6	6.34	67	135998	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.32%
41) Toluene-d8	7.57	98	371759	46.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.66%
43) trans-1,3-Dichloropropene-	7.85	79	59548	47.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.92%
47) 2-Hexanone-d5	8.31	63	148754	135.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	135.82%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	197755	53.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.02%
64) 1,2-Dichlorobenzene-d4	11.87	152	152154	46.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.74%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	158221	43.49	ug/L	100
3) Chloromethane	1.33	50	175490	44.97	ug/L	100
5) Vinyl chloride	1.40	62	158834	42.98	ug/L	95
6) Bromomethane	1.63	94	85475	43.15	ug/L	97
8) Chloroethane	1.70	64	93180	41.72	ug/L	99
9) Trichlorofluoromethane	1.89	101	184244	44.30	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	116547	44.44	ug/L	99
12) 1,1-Dichloroethene	2.28	96	108657	44.19	ug/L	95
13) Acetone	2.33	43	169119	69.00	ug/L	99
14) Carbon disulfide	2.48	76	368772	43.51	ug/L	100
15) Methyl Acetate	2.62	43	180590	55.62	ug/L	98
16) Methylene chloride	2.70	84	140121	45.66	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	119976	44.60	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	383116	48.17	ug/L	99
19) 1,1-Dichloroethane	3.45	63	247030	46.27	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	138513	46.39	ug/L	100
22) 2-Butanone	4.27	43	258344	94.78	ug/L	99

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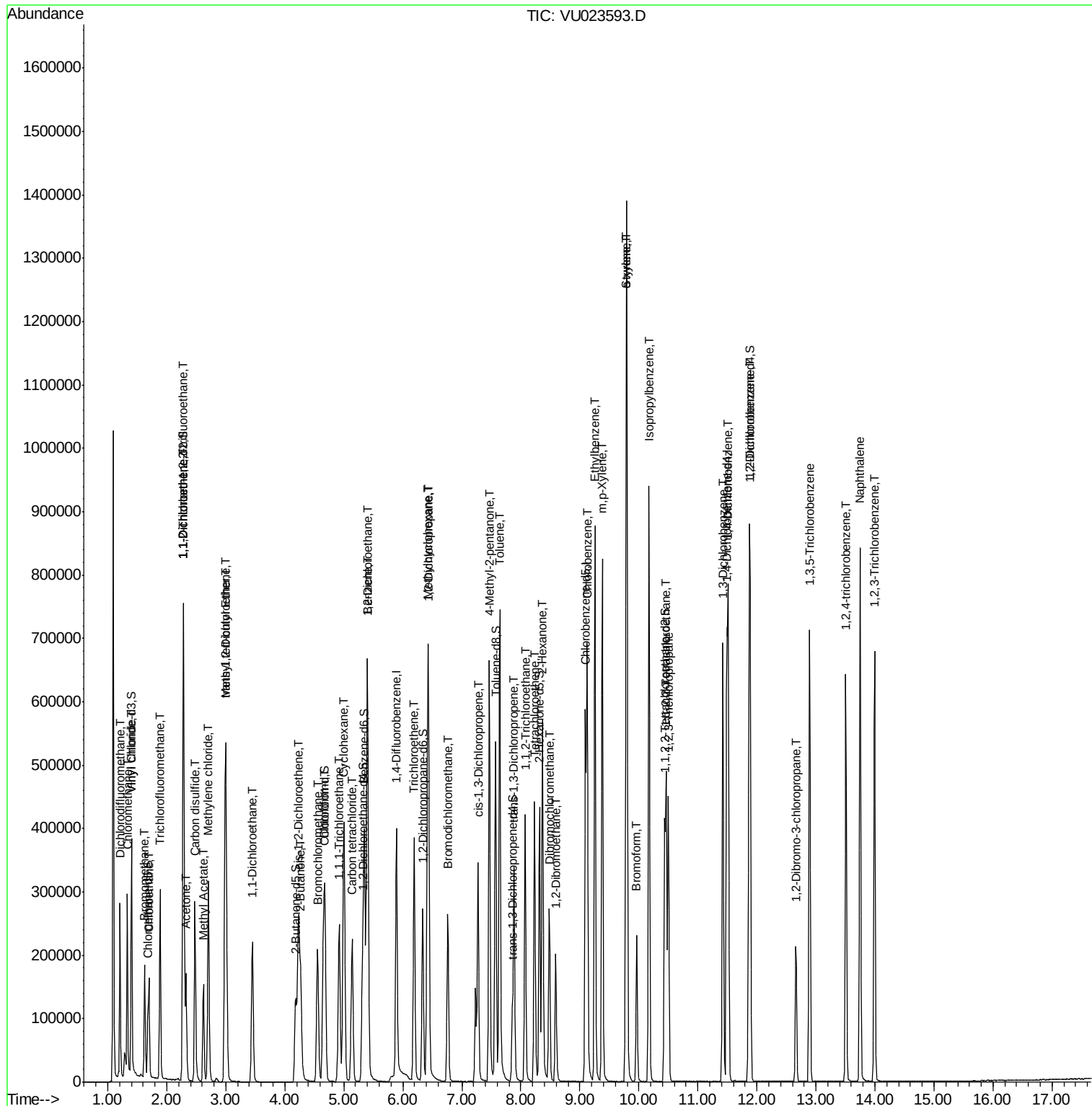
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

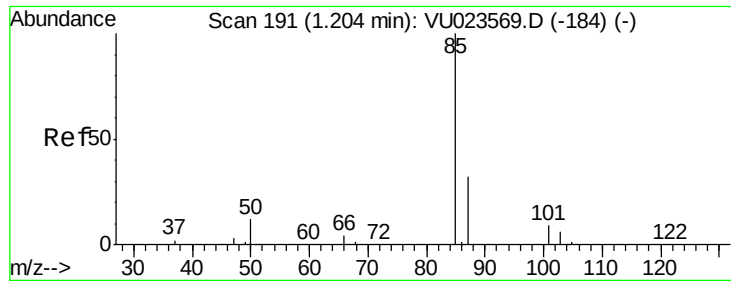
23) Bromochloromethane	4.55	128	69063	46.08	ug/L	97
25) Chloroform	4.68	83	236648	43.22	ug/L	97
27) 1,2-Dichloroethane	5.41	62	190966	47.04	ug/L	100
29) Cyclohexane	5.00	56	220686	46.53	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	191168	47.03	ug/L	99
31) Carbon tetrachloride	5.14	117	163593	46.32	ug/L	100
33) Benzene	5.39	78	534311	47.25	ug/L	100
34) Trichloroethene	6.19	95	136076	46.96	ug/L	97
35) Methylcyclohexane	6.42	83	204972	45.23	ug/L	99
37) 1,2-Dichloropropane	6.44	63	152064	46.91	ug/L	99
38) Bromodichloromethane	6.76	83	176482	48.26	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	207055	46.36	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	467721	118.20	ug/L	99
42) Toluene	7.64	91	558714	47.67	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	190210	47.73	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	133210	48.37	ug/L	100
46) Tetrachloroethene	8.23	164	105716	44.77	ug/L	99
48) 2-Hexanone	8.36	43	372502	108.08	ug/L	100
49) Dibromochloromethane	8.48	129	140178	48.33	ug/L	100
50) 1,2-Dibromoethane	8.59	107	137520	49.45	ug/L	100
51) Chlorobenzene	9.12	112	357996	45.84	ug/L	99
52) Ethylbenzene	9.26	91	607669	47.83	ug/L	99
53) m,p-Xylene	9.38	106	231443	47.76	ug/L	98
54) o-xylene	9.79	106	226163	49.26	ug/L	98
55) Styrene	9.80	104	401212	49.95	ug/L	98
56) Isopropylbenzene	10.17	105	587703	48.77	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	234493	51.87	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	190403	53.21	ug/L	100
61) Bromoform	9.96	173	104763	49.55	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	276281	45.55	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	289001	45.63	ug/L	100
65) 1,2-Dichlorobenzene	11.89	146	288286	46.46	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	52796	58.60	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	225930	44.47	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	198231	45.94	ug/L	100
69) Naphthalene	13.75	128	642354	56.73	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	214103	48.70	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 43.49 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU023593.D

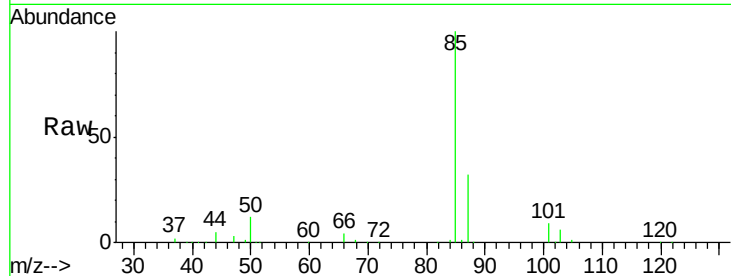
Acq: 02 May 2018 21:51

Tgt Ion: 85 Resp: 158221

Ion Ratio Lower Upper

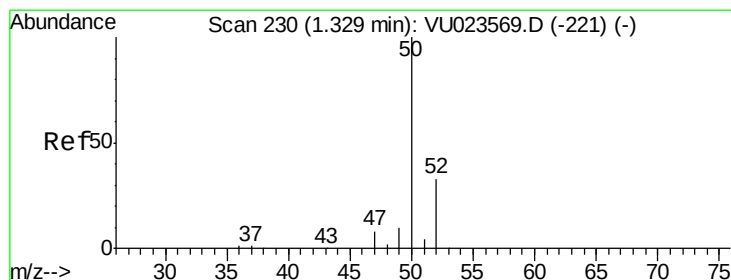
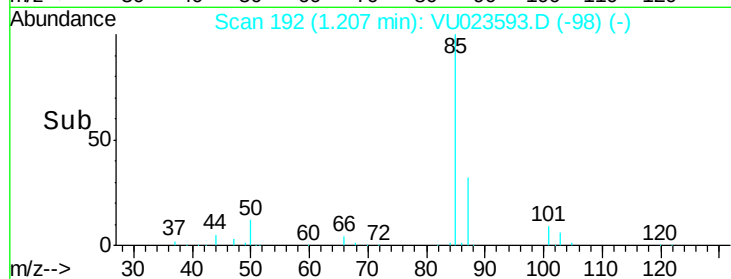
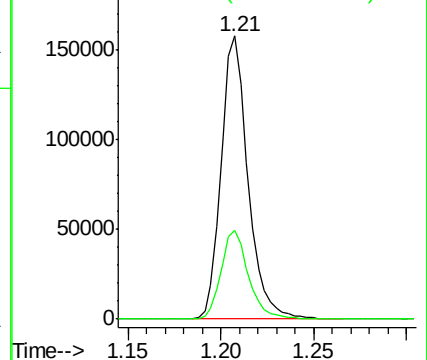
85 100

87 32.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 44.97 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU023593.D

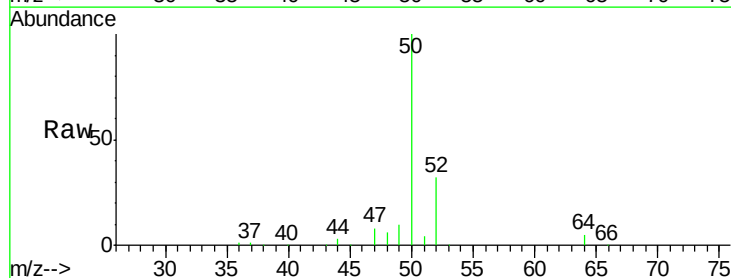
Acq: 02 May 2018 21:51

Tgt Ion: 50 Resp: 175490

Ion Ratio Lower Upper

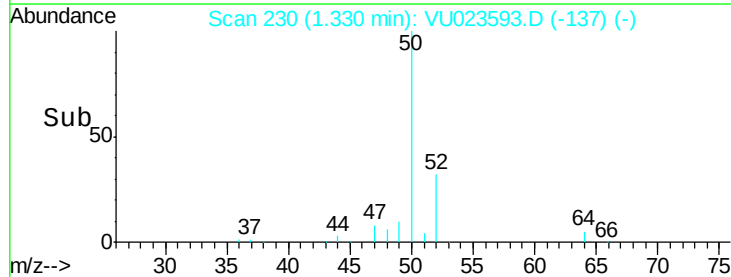
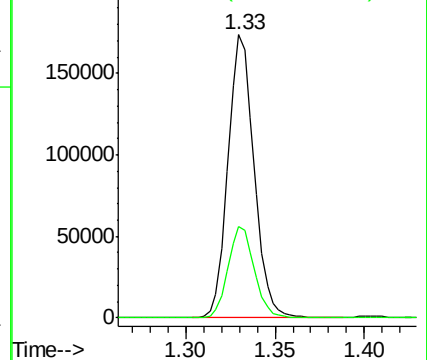
50 100

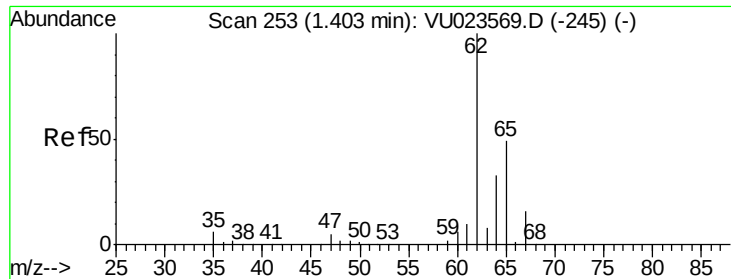
52 32.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 42.98 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU023593.D

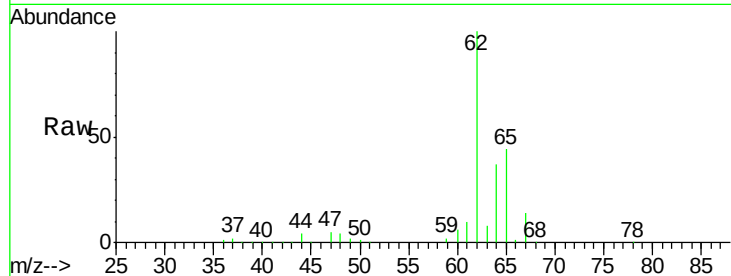
Acq: 02 May 2018 21:51

Tgt Ion: 62 Resp: 158834

Ion Ratio Lower Upper

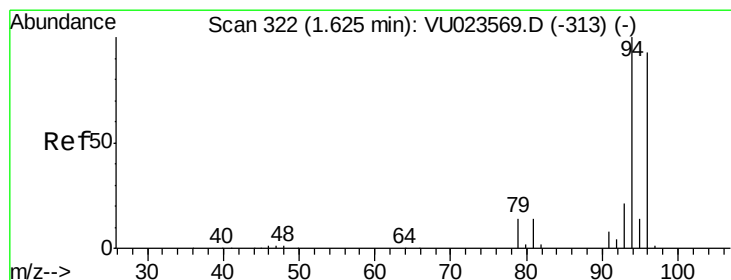
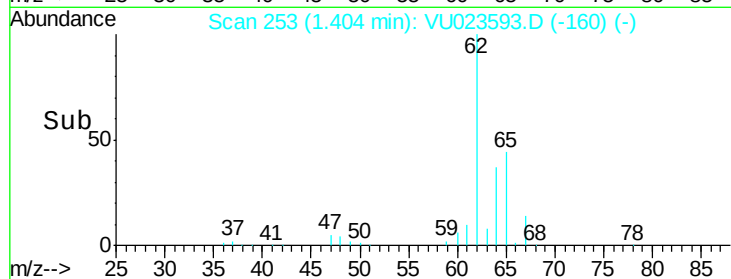
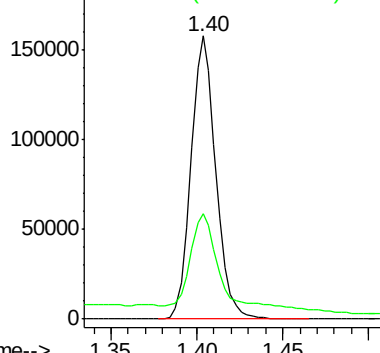
62 100

64 37.5 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 43.15 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU023593.D

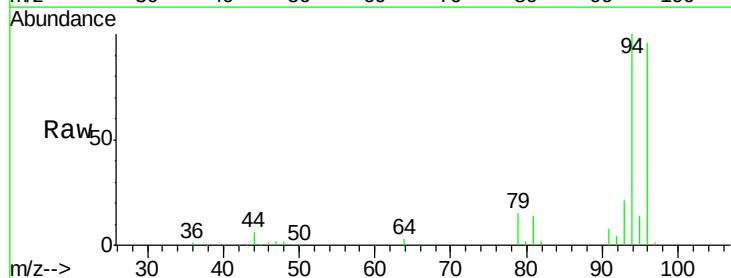
Acq: 02 May 2018 21:51

Tgt Ion: 94 Resp: 85475

Ion Ratio Lower Upper

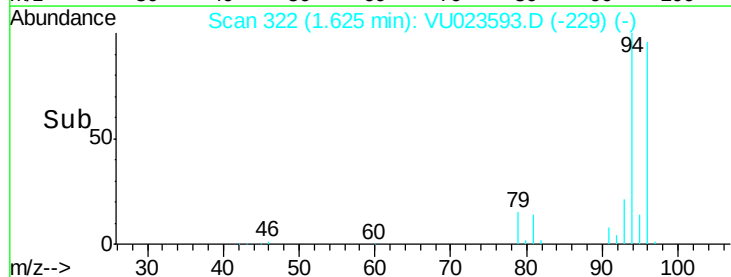
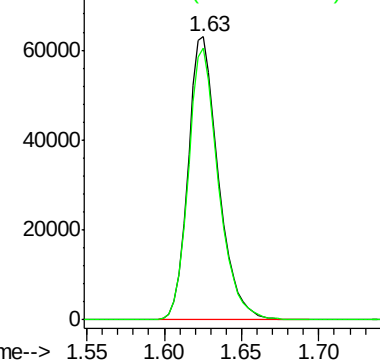
94 100

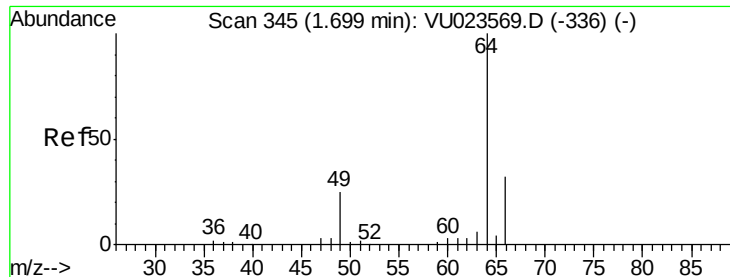
96 95.9 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 41.72 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU023593.D

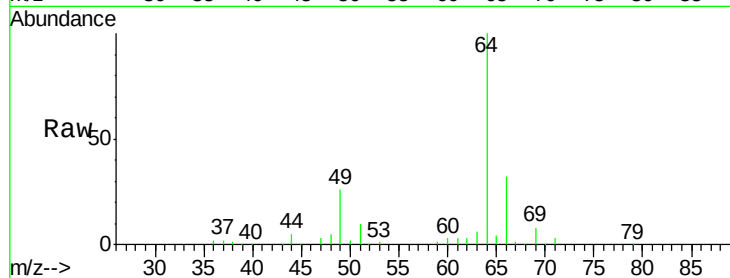
Acq: 02 May 2018 21:51

Tgt Ion: 64 Resp: 93180

Ion Ratio Lower Upper

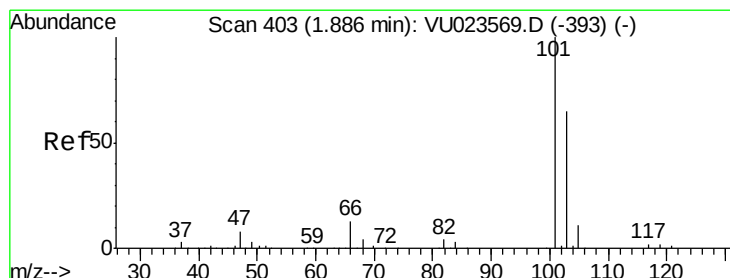
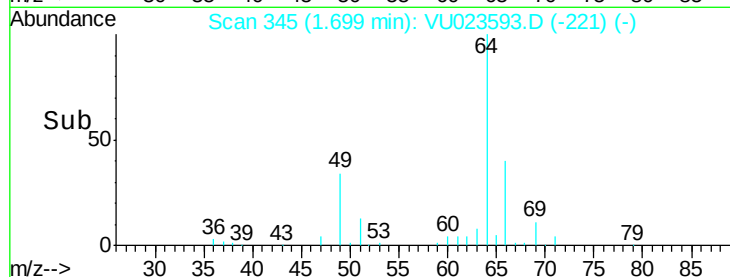
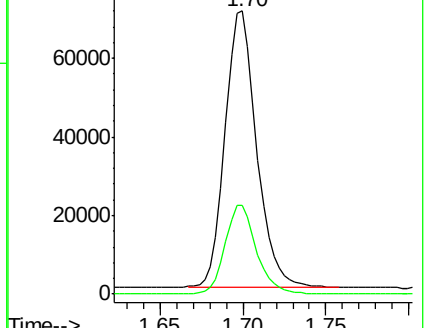
64 100

66 31.6 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VU023593.D (-221) (-)

Ion 66.00 (65.70 to 66.70): VU023593.D (-221) (-)



#9

Trichlorofluoromethane

Concen: 44.30 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU023593.D

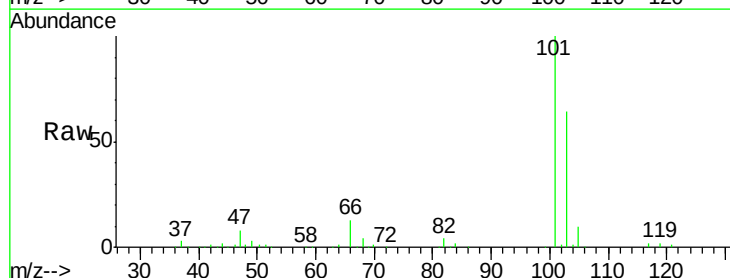
Acq: 02 May 2018 21:51

Tgt Ion: 101 Resp: 184244

Ion Ratio Lower Upper

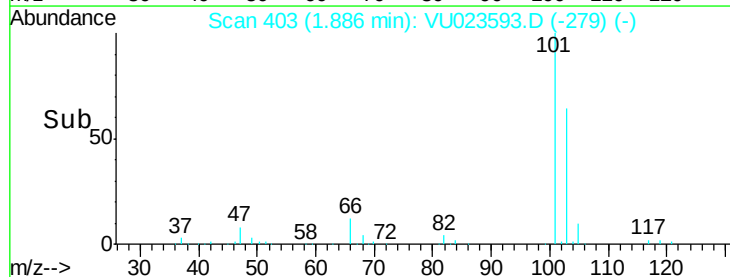
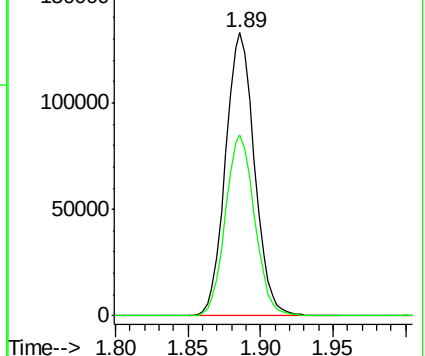
101 100

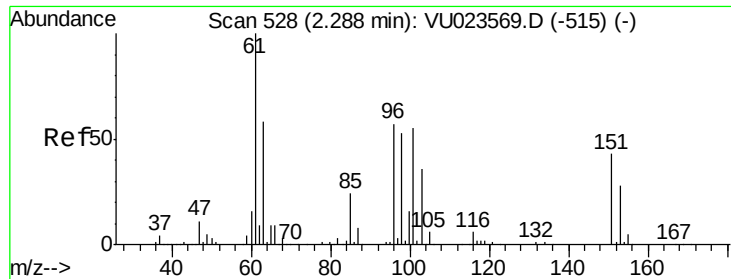
103 64.2 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU023593.D (-279) (-)

Ion 103.00 (102.70 to 103.70): VU023593.D (-279) (-)





#10

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

Concen: 44.44 ug/L

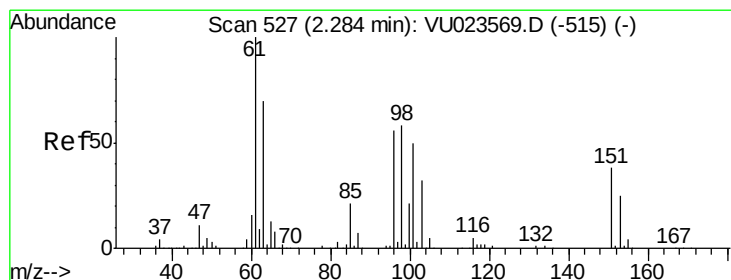
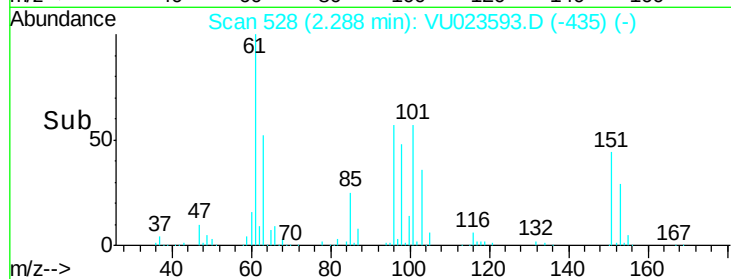
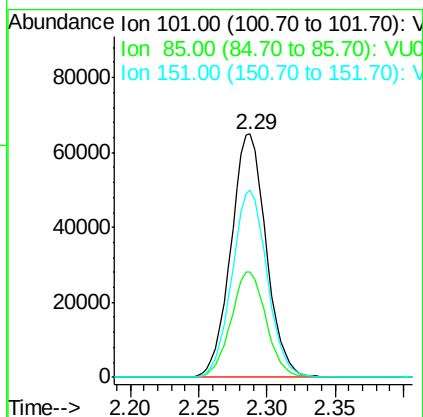
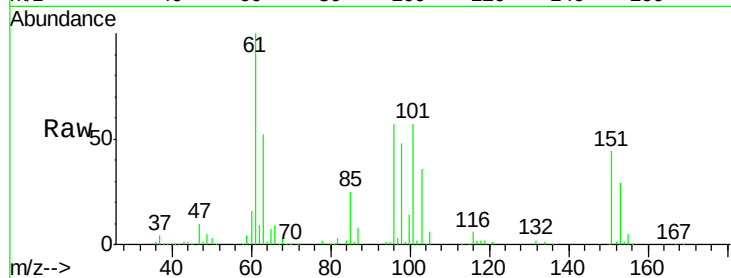
RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

Tgt Ion:	101	Resp:	116547
Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.9	52.3
151	76.7	61.0	91.6



#12

1,1-Dichloroethene

Concen: 44.19 ug/L

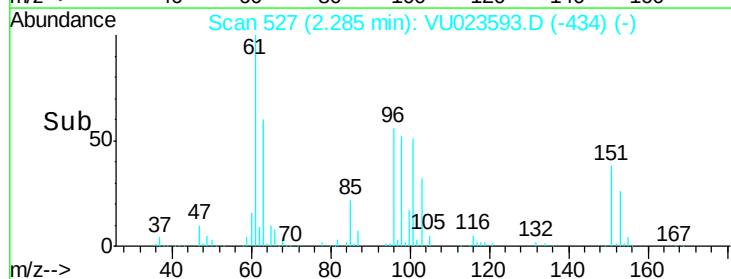
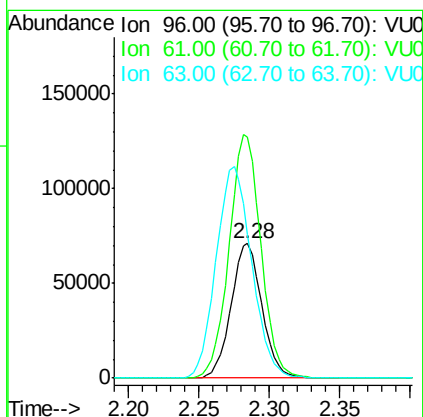
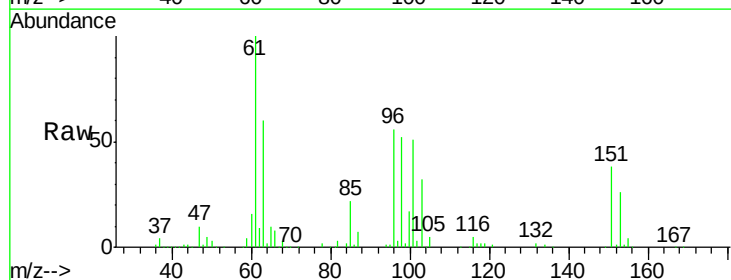
RT: 2.28 min Scan# 527

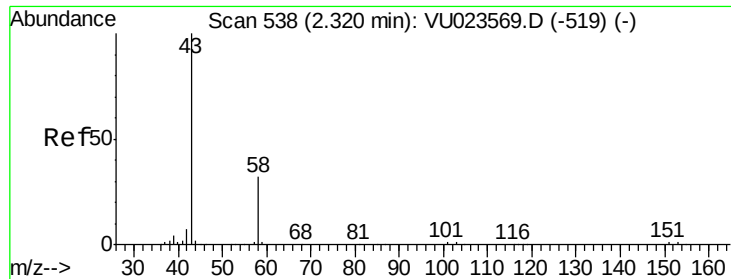
Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

Tgt Ion:	96	Resp:	108657
Ion	Ratio	Lower	Upper
96	100		
61	179.5	125.9	233.7
63	107.0	84.8	157.6





#13

Acetone

Concen: 69.00 ug/L

RT: 2.33 min Scan# 540

Delta R.T. 0.01 min

Lab File: VU023593.D

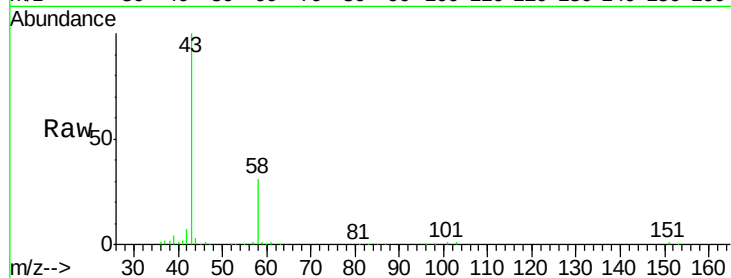
Acq: 02 May 2018 21:51

Tgt Ion: 43 Resp: 169119

Ion Ratio Lower Upper

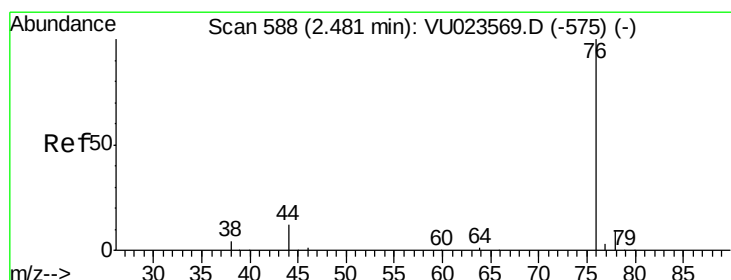
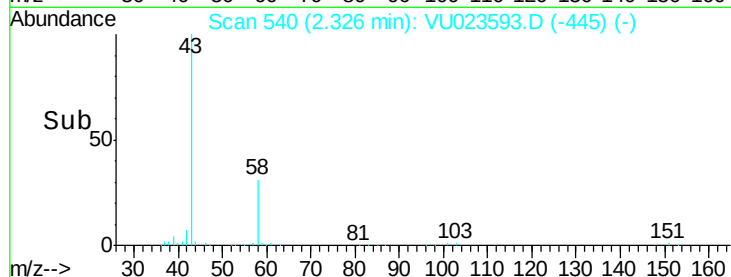
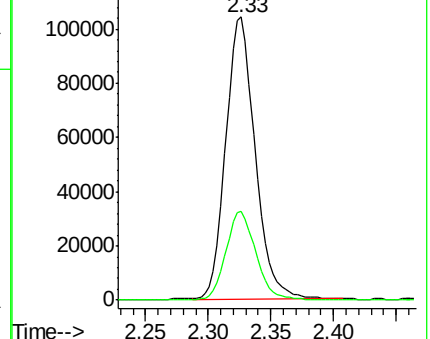
43 100

58 31.7 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 43.51 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU023593.D

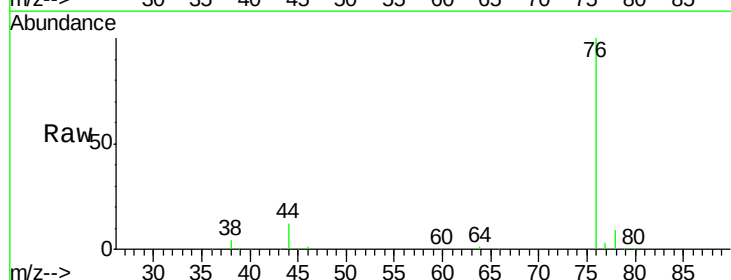
Acq: 02 May 2018 21:51

Tgt Ion: 76 Resp: 368772

Ion Ratio Lower Upper

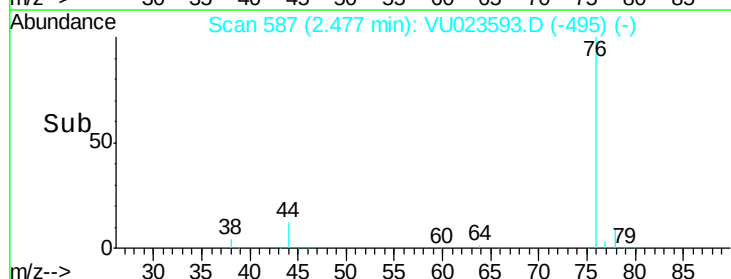
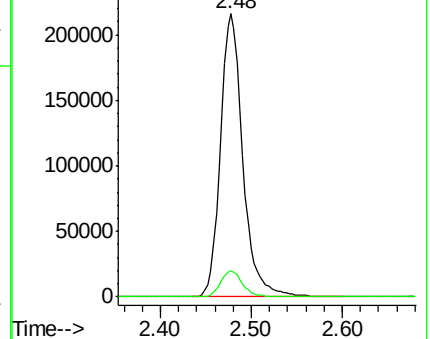
76 100

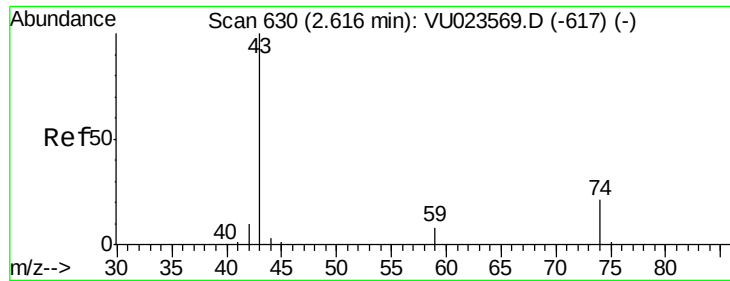
78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

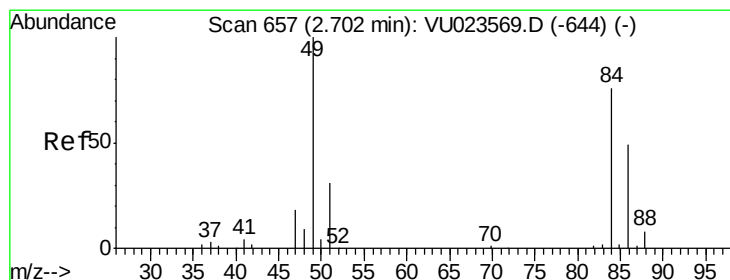
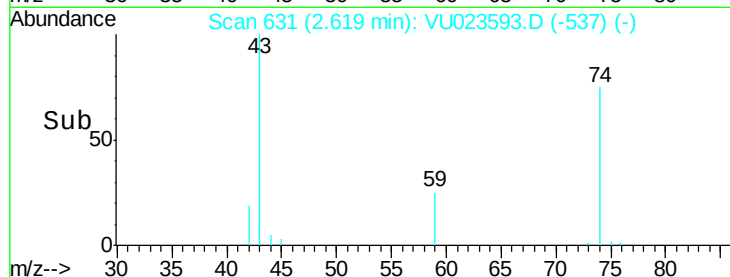
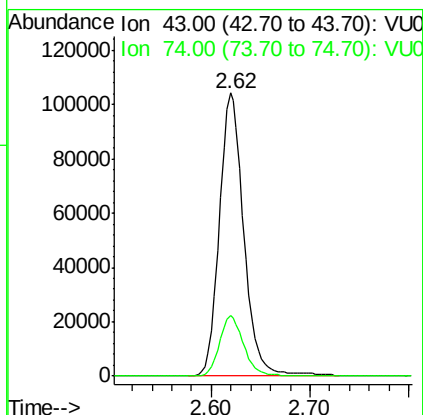
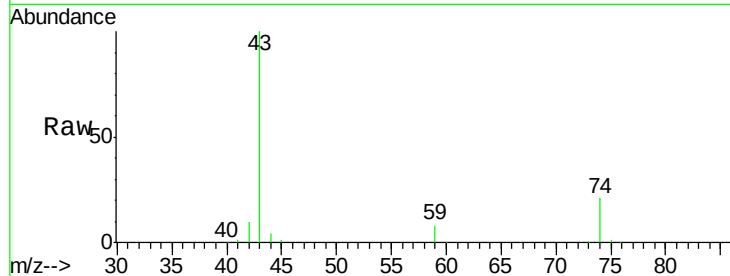
Ion 78.00 (77.70 to 78.70): VU0





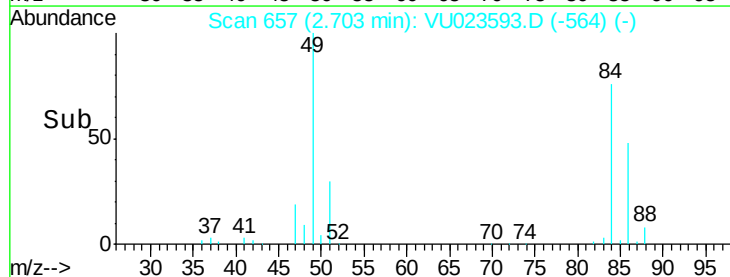
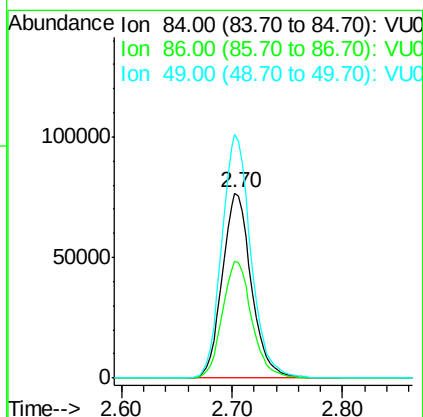
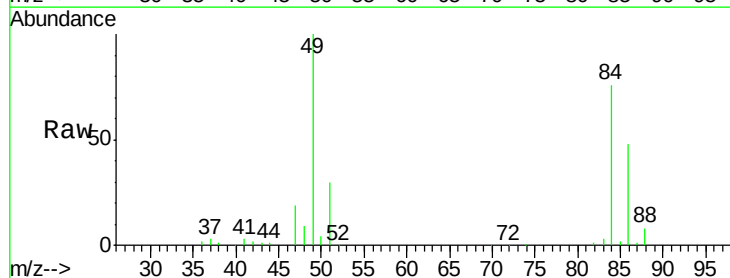
#15
Methyl Acetate
Concen: 55.62 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU023593.D
Acq: 02 May 2018 21:51

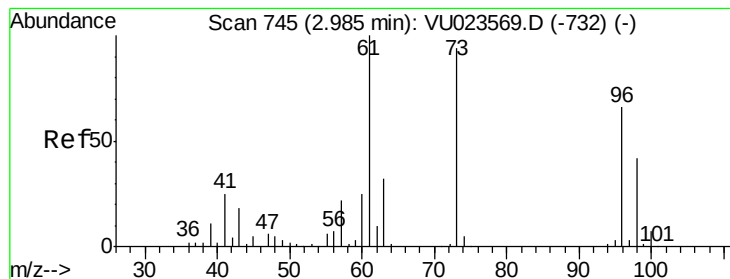
Tgt Ion: 43 Resp: 180590
Ion Ratio Lower Upper
43 100
74 21.1 17.5 26.3



#16
Methylene chloride
Concen: 45.66 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU023593.D
Acq: 02 May 2018 21:51

Tgt Ion: 84 Resp: 140121
Ion Ratio Lower Upper
84 100
86 63.1 45.6 84.8
49 131.6 91.9 170.7





#17

trans-1,2-Dichloroethene

Concen: 44.60 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

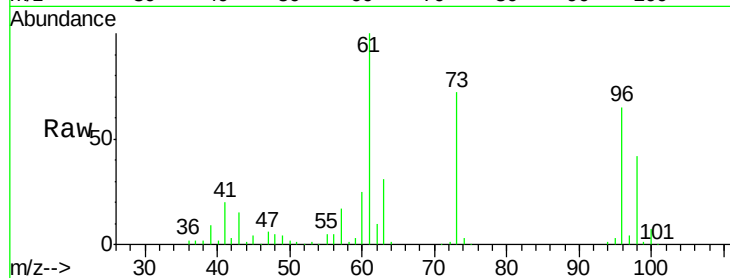
Tgt Ion: 96 Resp: 119976

Ion Ratio Lower Upper

96 100

61 153.2 106.9 198.5

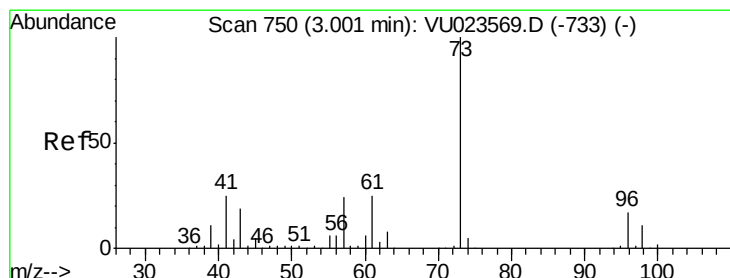
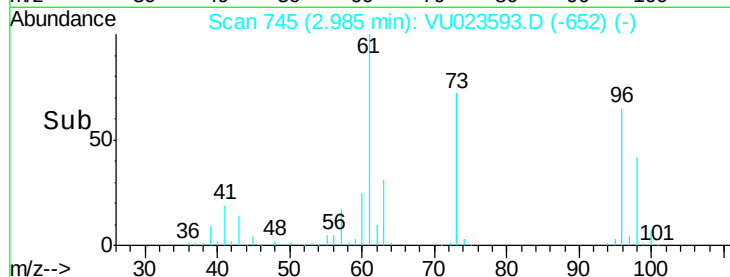
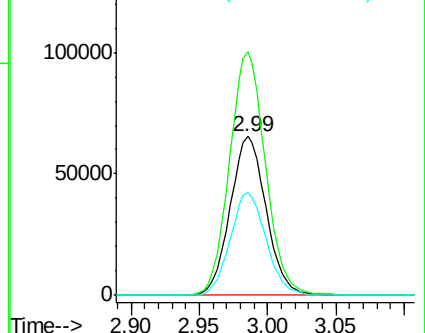
98 64.8 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU023569.D (-732) (-)

Ion 61.00 (60.70 to 61.70): VU023569.D (-732) (-)

Ion 98.00 (97.70 to 98.70): VU023569.D (-732) (-)



#18

Methyl tert-butyl Ether

Concen: 48.17 ug/L

RT: 3.00 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

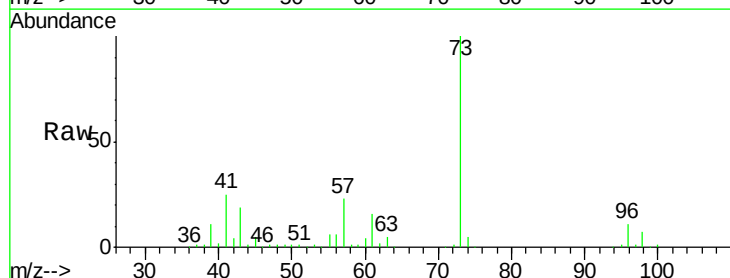
Tgt Ion: 73 Resp: 383116

Ion Ratio Lower Upper

73 100

43 19.6 15.5 23.3

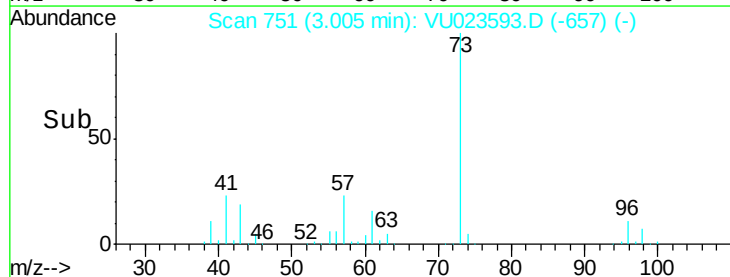
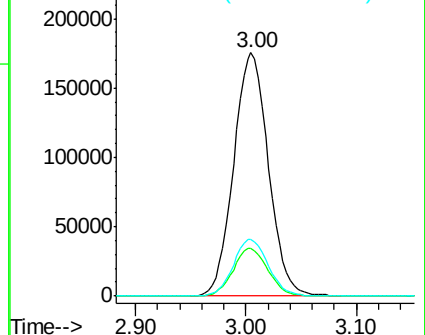
57 23.4 18.5 27.7

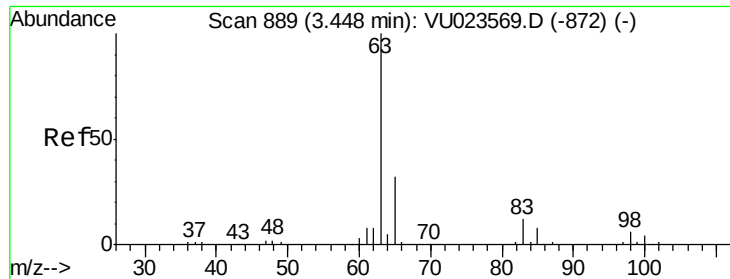


Abundance Ion 73.00 (72.70 to 73.70): VU023569.D (-733) (-)

Ion 43.00 (42.70 to 43.70): VU023569.D (-733) (-)

Ion 57.00 (56.70 to 57.70): VU023569.D (-733) (-)





#19

1,1-Dichloroethane

Concen: 46.27 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

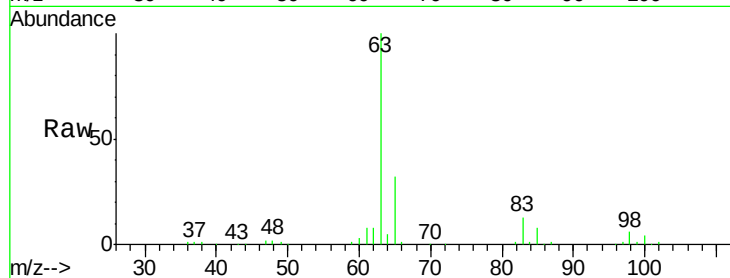
Tgt Ion: 63 Resp: 247030

Ion Ratio Lower Upper

63 100

65 31.6 22.3 41.5

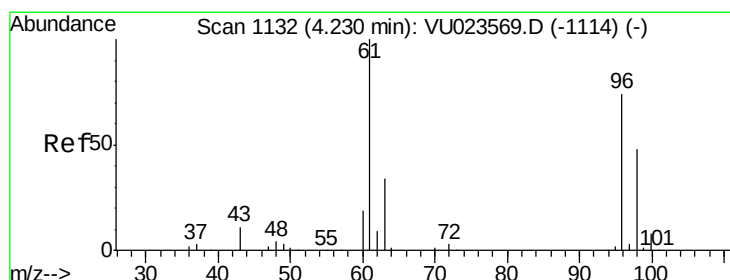
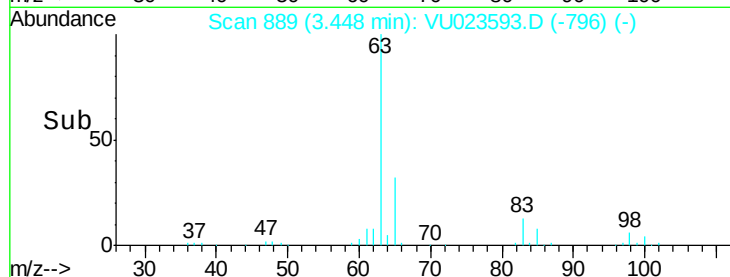
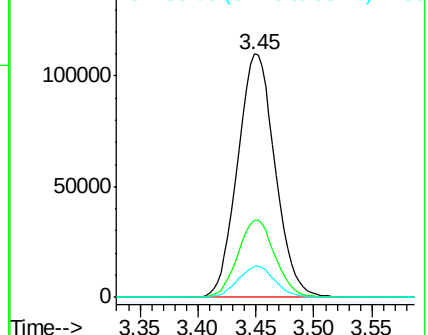
83 12.7 8.7 16.1



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: 46.39 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

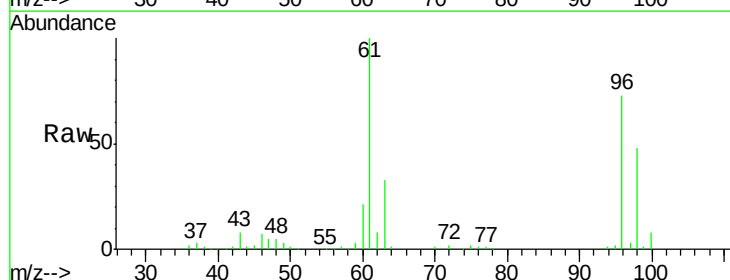
Tgt Ion: 96 Resp: 138513

Ion Ratio Lower Upper

96 100

61 136.1 95.3 177.1

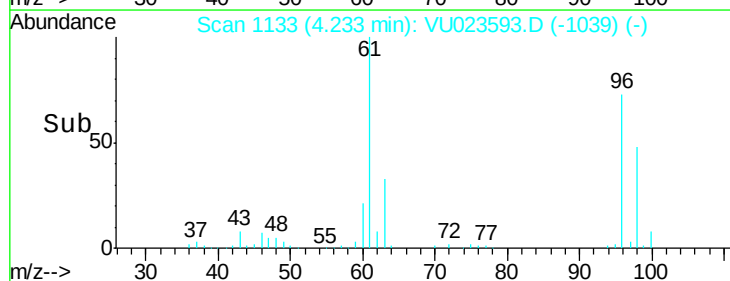
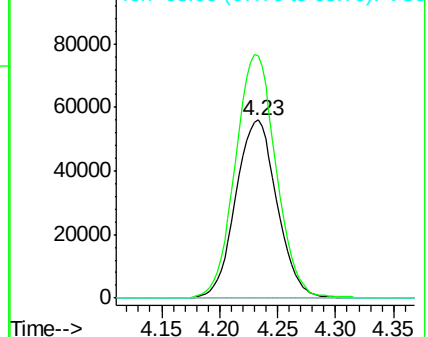
68 0.0 0.0 0.0

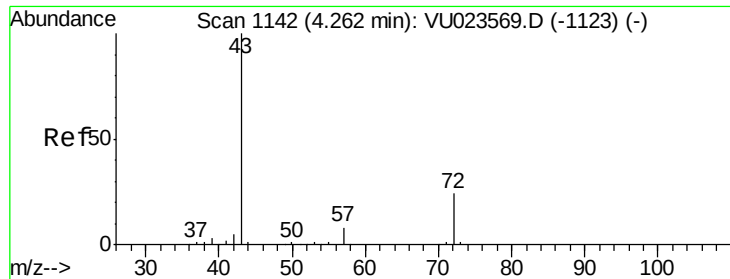


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 94.78 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU023593.D

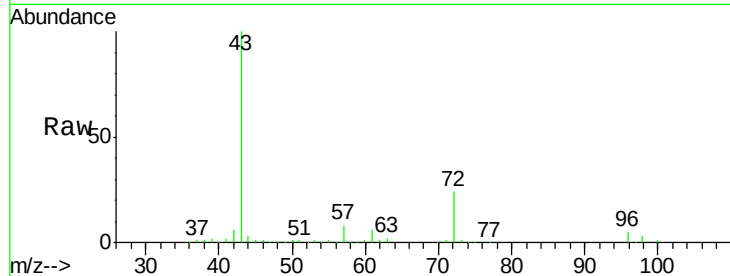
Acq: 02 May 2018 21:51

Tgt Ion: 43 Resp: 258344

Ion Ratio Lower Upper

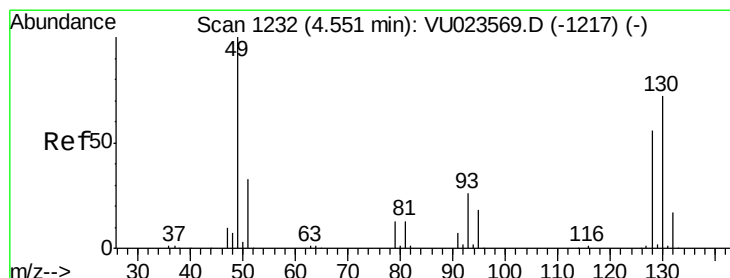
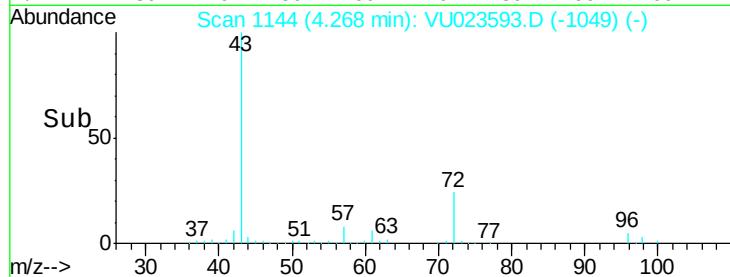
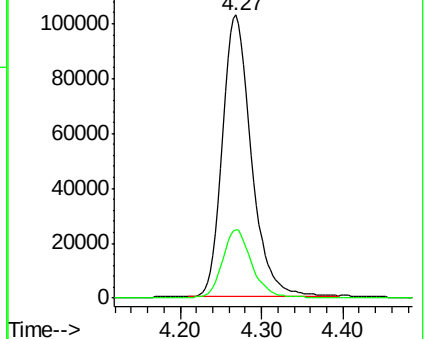
43 100

72 24.8 12.3 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 46.08 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

Tgt Ion: 128 Resp: 69063

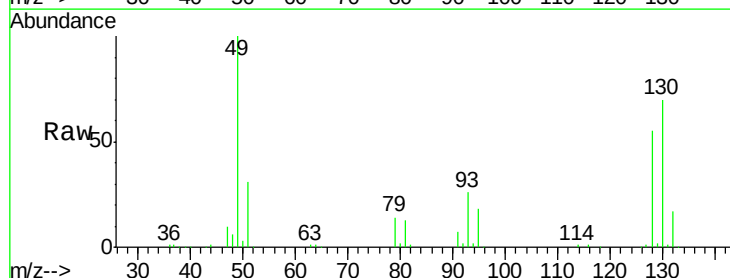
Ion Ratio Lower Upper

128 100

49 181.1 123.7 229.7

130 126.6 90.6 168.3

51 56.7 45.0 67.6

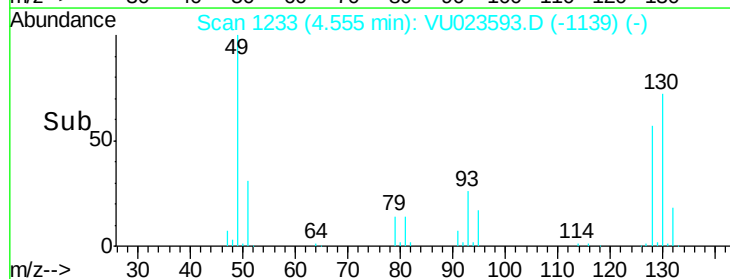
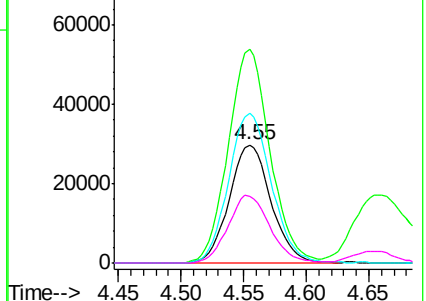


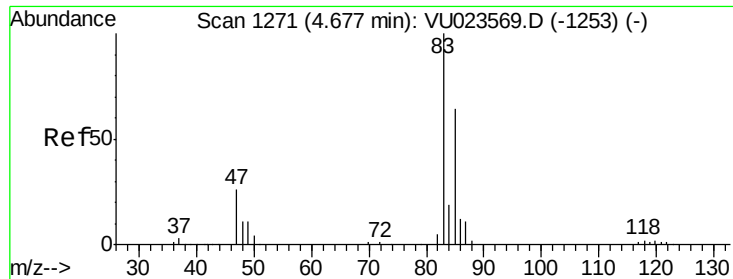
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

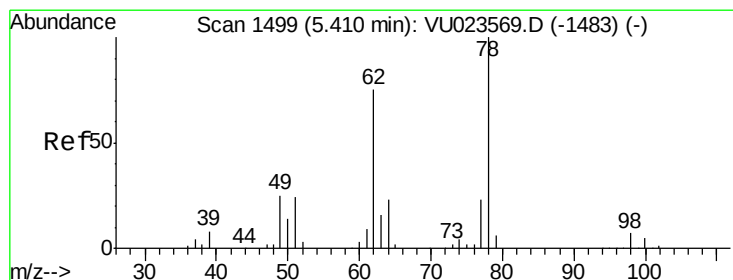
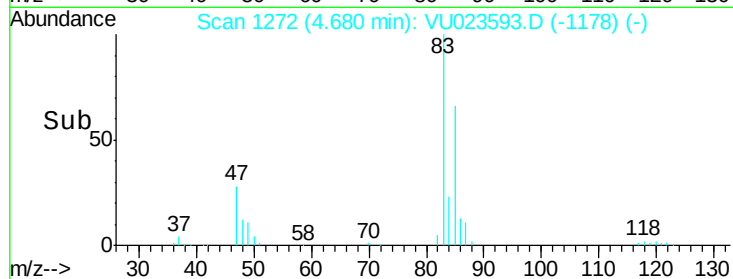
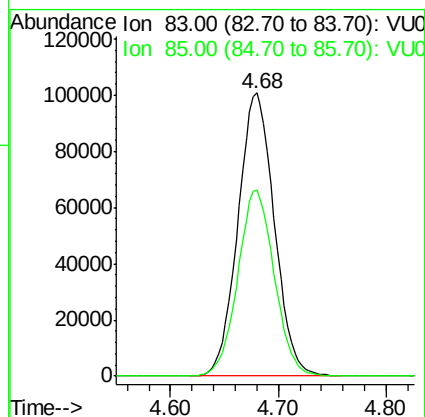
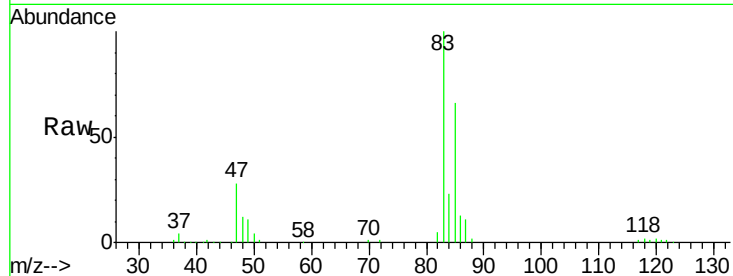
Ion 51.00 (50.70 to 51.70): VU0





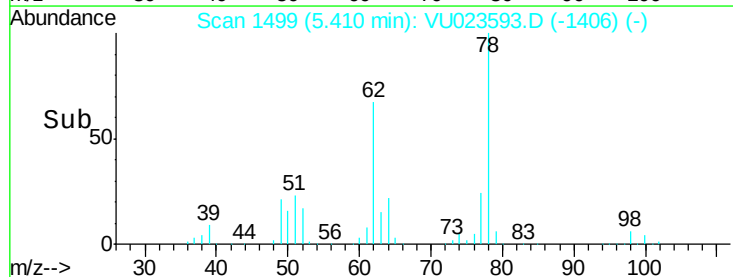
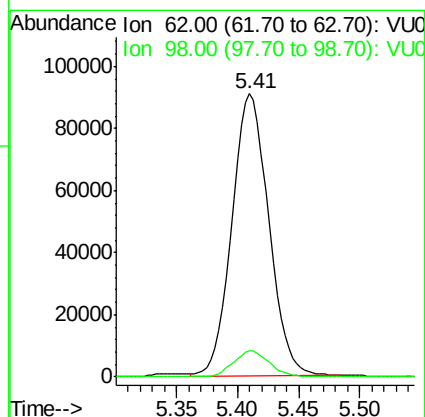
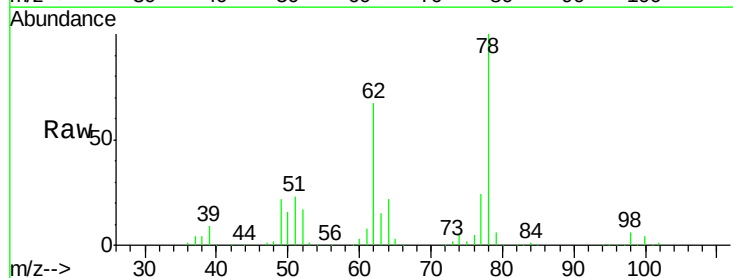
#25
Chloroform
Concen: 43.22 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU023593.D
Acq: 02 May 2018 21:51

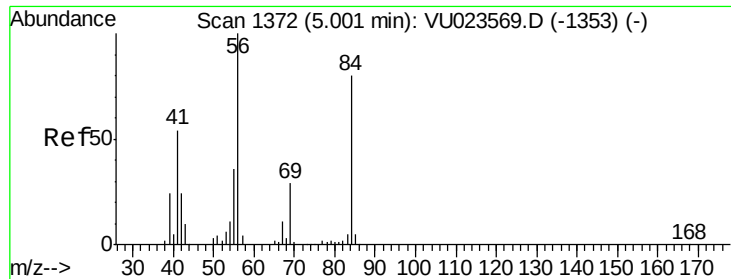
Tgt Ion: 83 Resp: 236648
Ion Ratio Lower Upper
83 100
85 65.6 44.4 82.5



#27
1,2-Dichloroethane
Concen: 47.04 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU023593.D
Acq: 02 May 2018 21:51

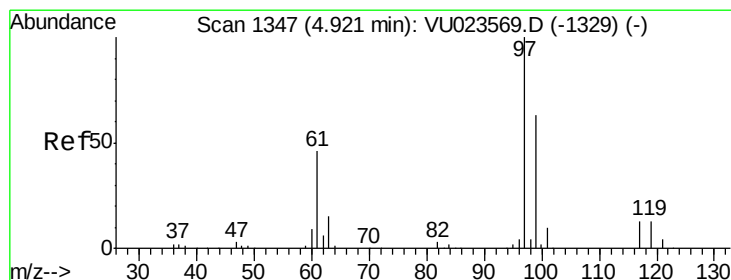
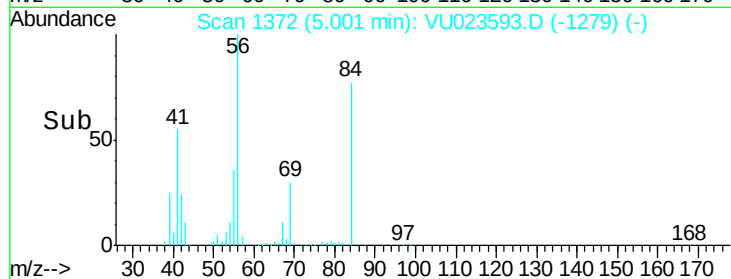
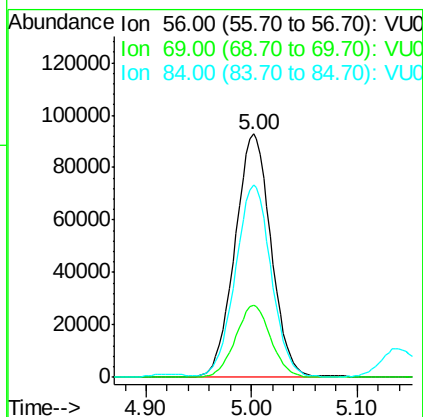
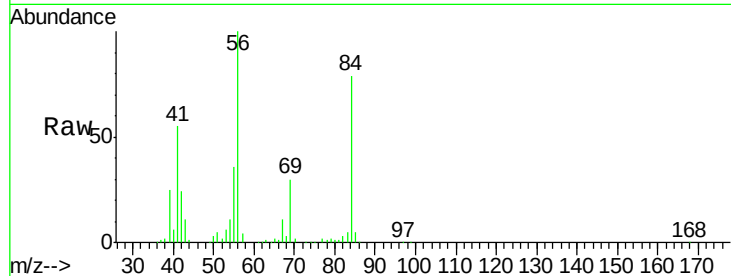
Tgt Ion: 62 Resp: 190966
Ion Ratio Lower Upper
62 100
98 9.2 7.3 10.9





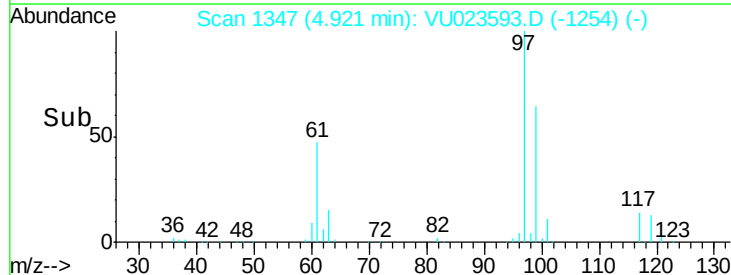
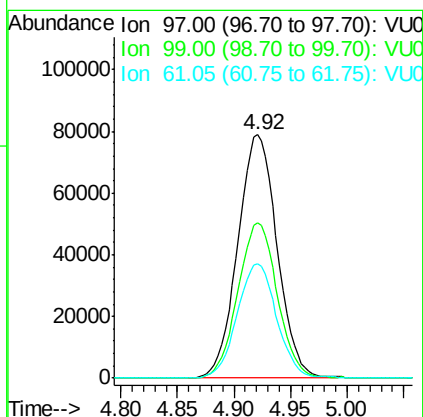
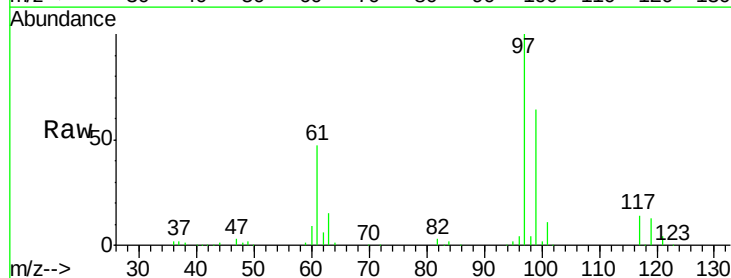
#29
Cyclohexane
Concen: 46.53 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU023593.D
Acq: 02 May 2018 21:51

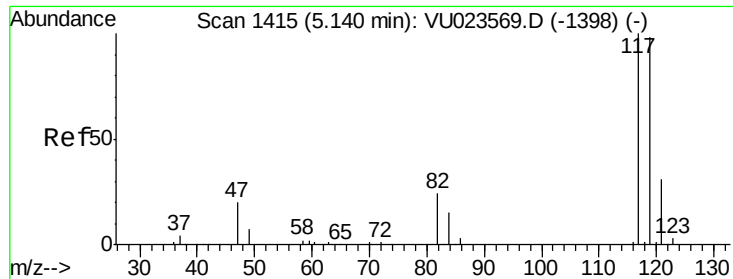
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.5	35.3
84	78.9	63.8	95.8



#30
1,1,1-Trichloroethane
Concen: 47.03 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU023593.D
Acq: 02 May 2018 21:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.6
61	47.0	37.7	56.5





#31

Carbon tetrachloride

Concen: 46.32 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU023593.D

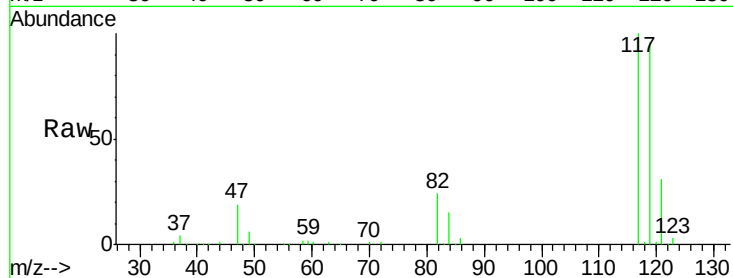
Acq: 02 May 2018 21:51

Tgt Ion: 117 Resp: 163593

Ion Ratio Lower Upper

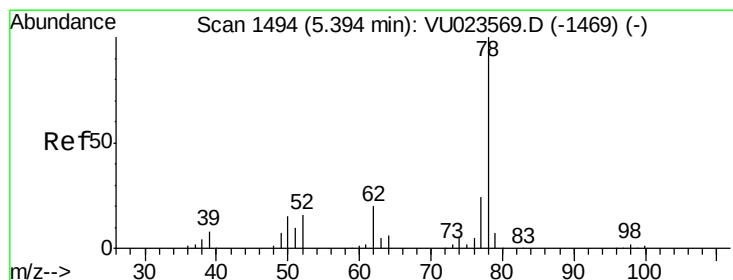
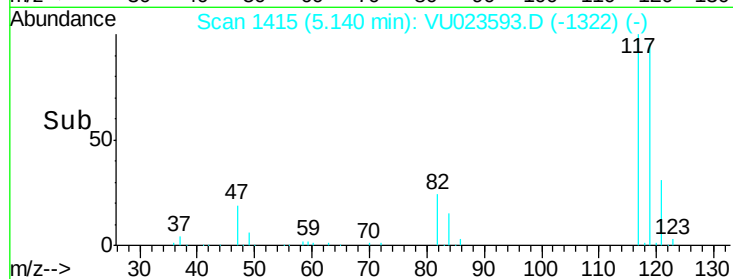
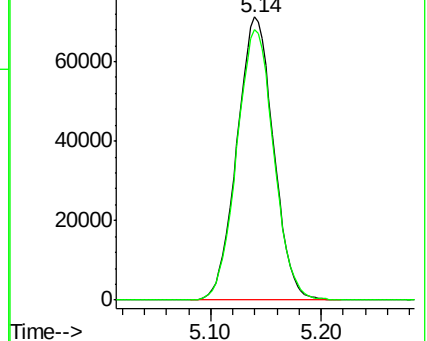
117 100

119 96.6 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.25 ug/L

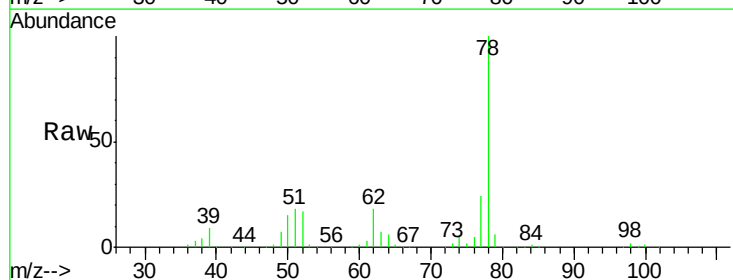
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

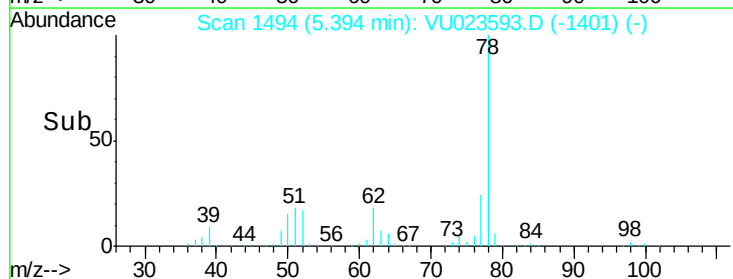
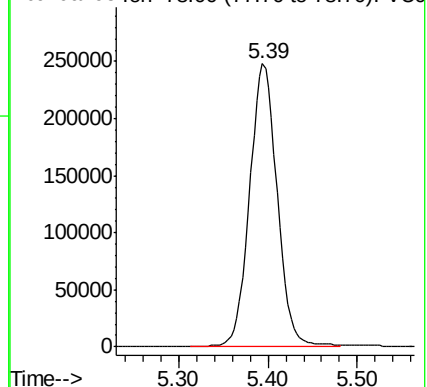
Lab File: VU023593.D

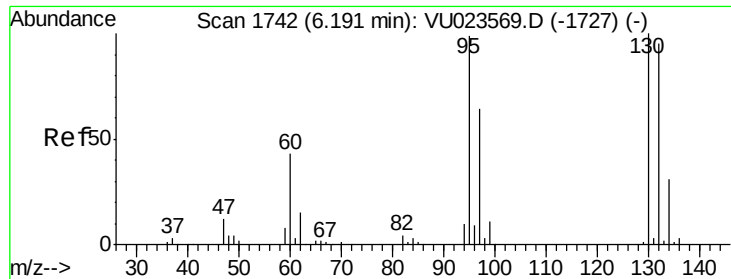
Acq: 02 May 2018 21:51

Tgt Ion: 78 Resp: 534311



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 46.96 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

Tgt Ion: 95 Resp: 136076

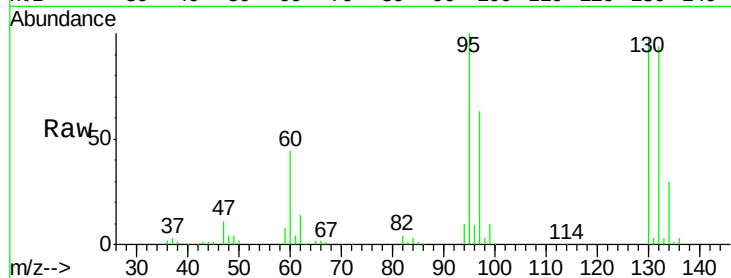
Ion Ratio Lower Upper

95 100

97 62.5 46.3 85.9

132 94.4 68.5 127.1

130 98.4 70.8 131.4

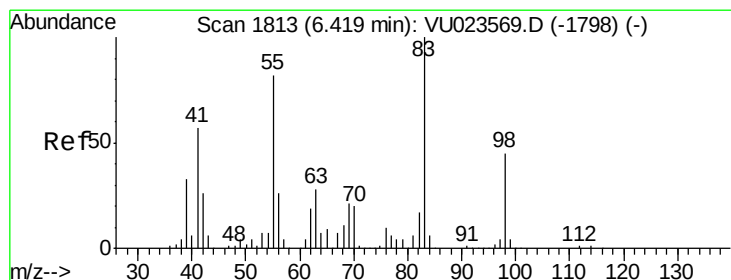
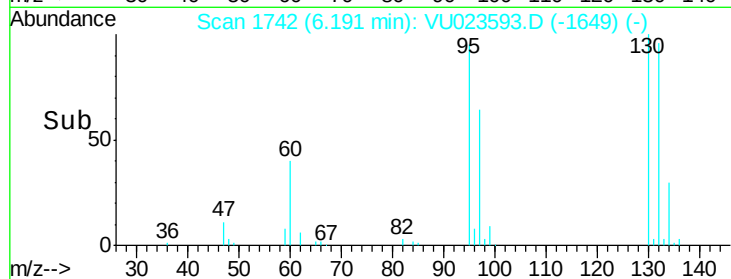
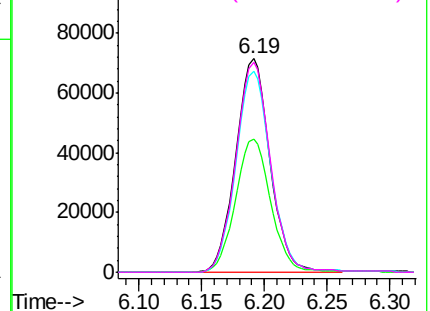


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 45.23 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

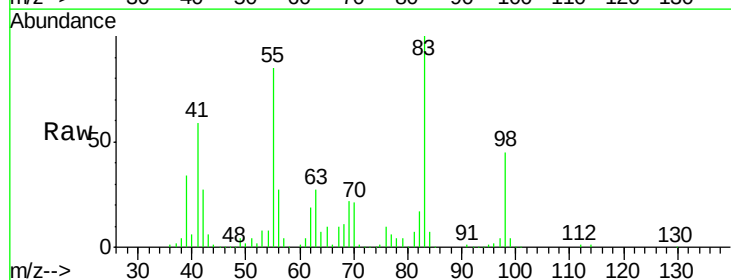
Tgt Ion: 83 Resp: 204972

Ion Ratio Lower Upper

83 100

55 84.4 66.7 100.1

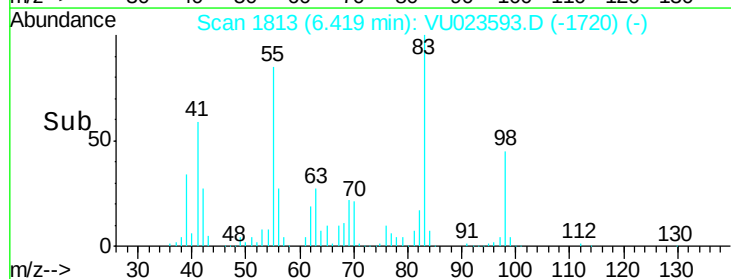
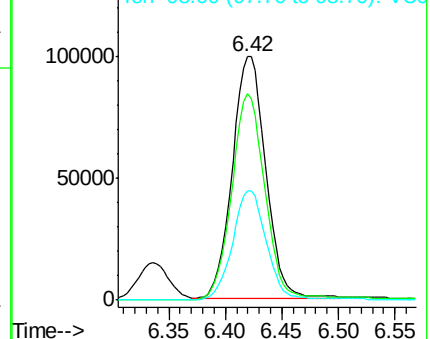
98 45.9 36.6 54.8

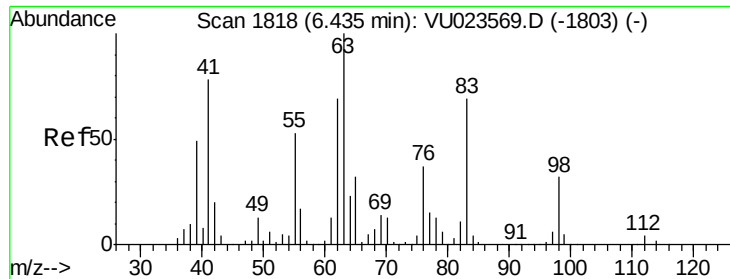


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

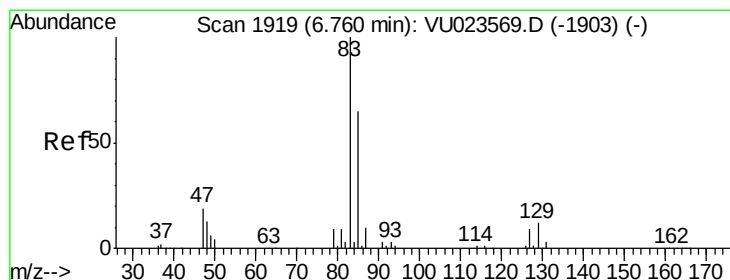
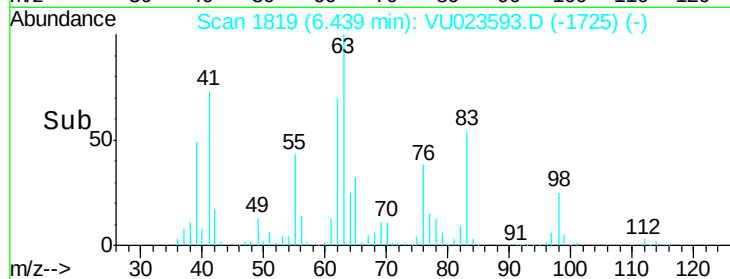
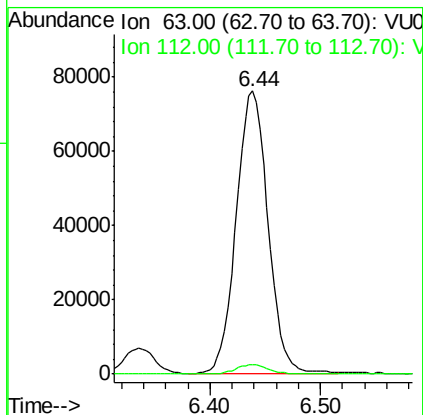
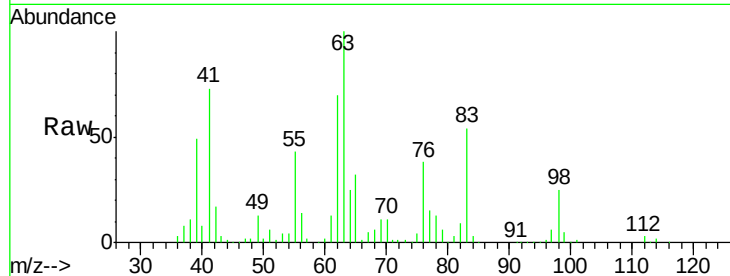
Ion 98.00 (97.70 to 98.70): VU0





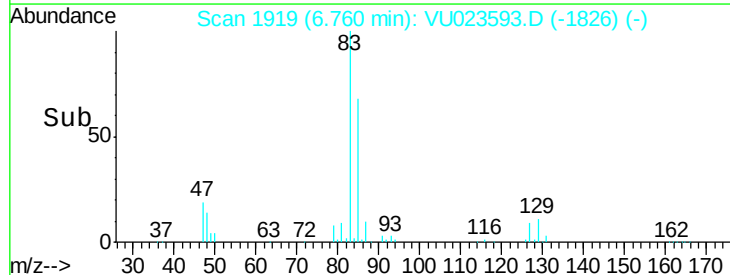
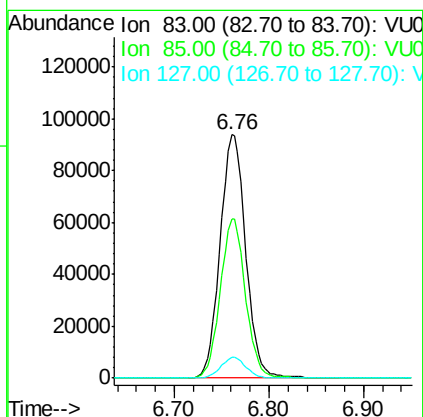
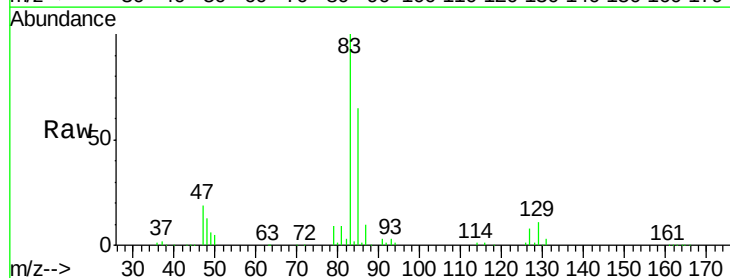
#37
 1,2-Dichloropropane
 Concen: 46.91 ug/L
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU023593.D
 Acq: 02 May 2018 21:51

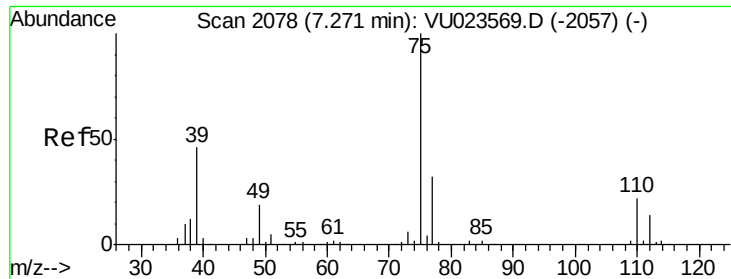
Tgt Ion: 63 Resp: 152064
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.1 4.7



#38
 Bromodichloromethane
 Concen: 48.26 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU023593.D
 Acq: 02 May 2018 21:51

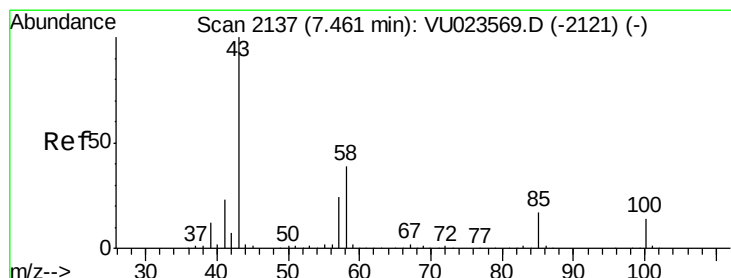
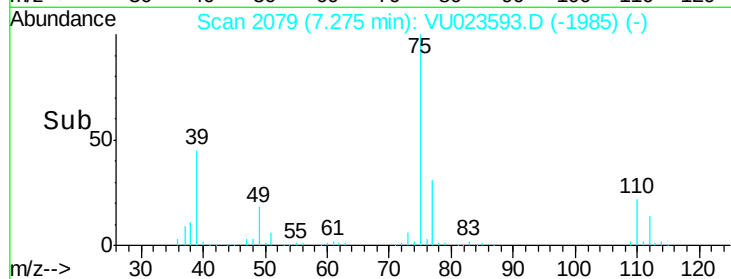
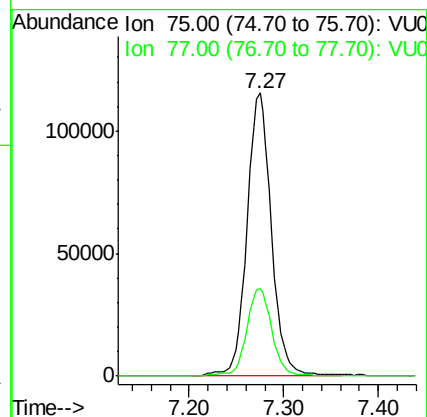
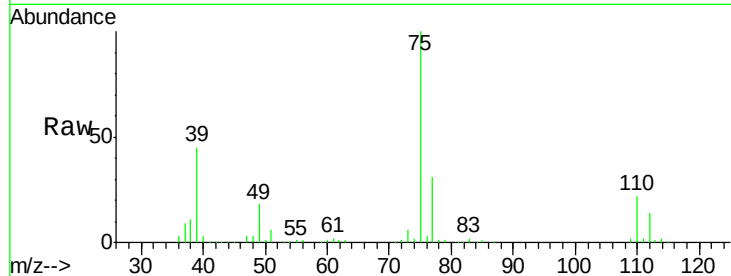
Tgt Ion: 83 Resp: 176482
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.1 83.7
 127 8.4 6.9 10.3





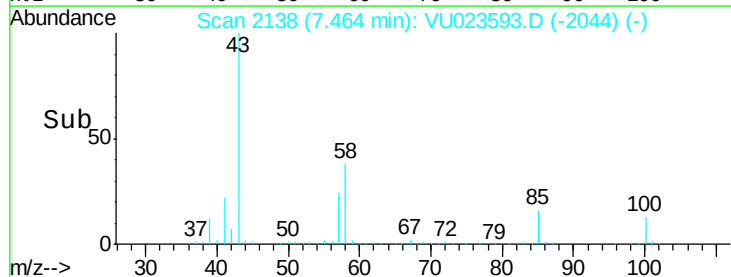
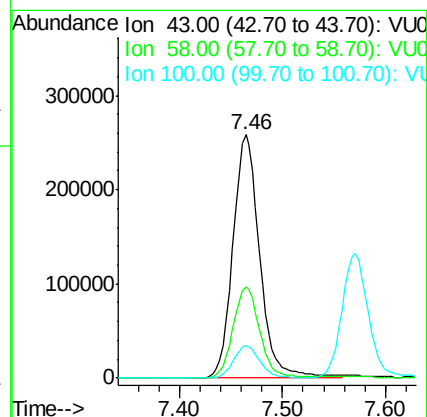
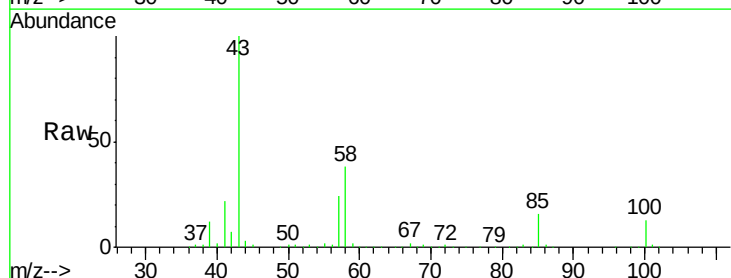
#39
 cis-1,3-Dichloropropene
 Concen: 46.36 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU023593.D
 Acq: 02 May 2018 21:51

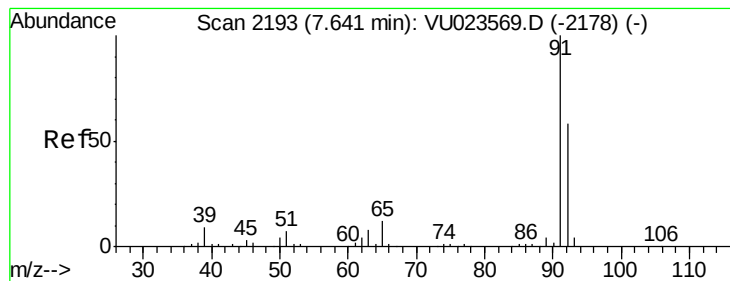
Tgt Ion: 75 Resp: 207055
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 118.20 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU023593.D
 Acq: 02 May 2018 21:51

Tgt Ion: 43 Resp: 467721
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.8 46.2
 100 13.2 10.7 16.1





#42

Toluene

Concen: 47.67 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU023593.D

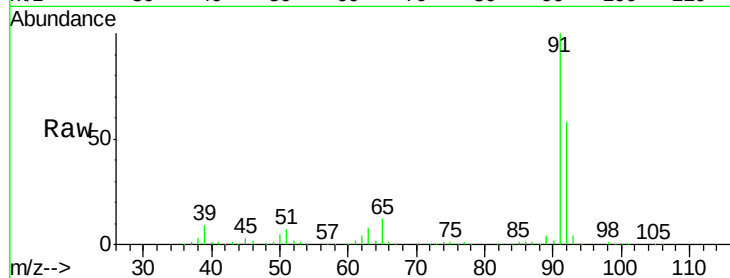
Acq: 02 May 2018 21:51

Tgt Ion: 91 Resp: 558714

Ion Ratio Lower Upper

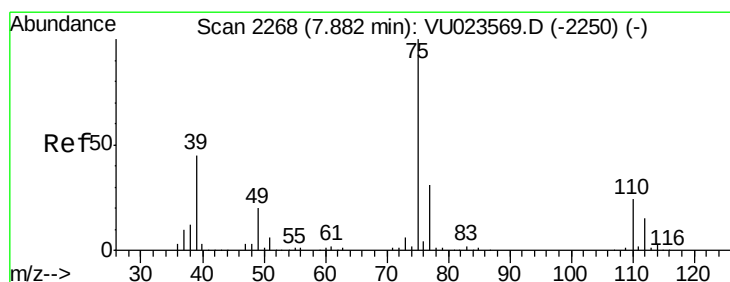
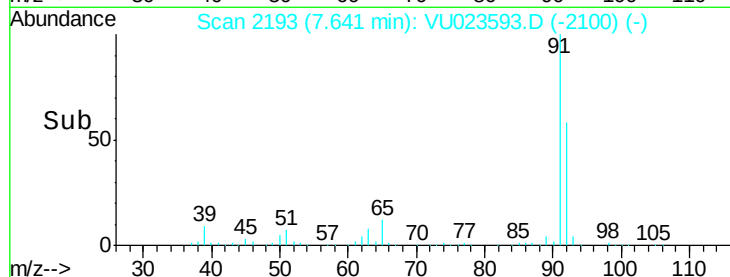
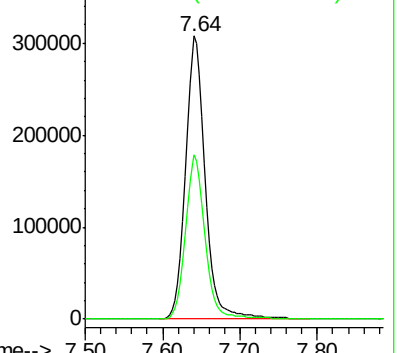
91 100

92 58.1 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 47.73 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU023593.D

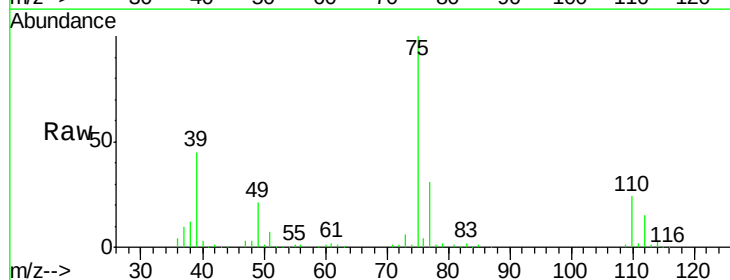
Acq: 02 May 2018 21:51

Tgt Ion: 75 Resp: 190210

Ion Ratio Lower Upper

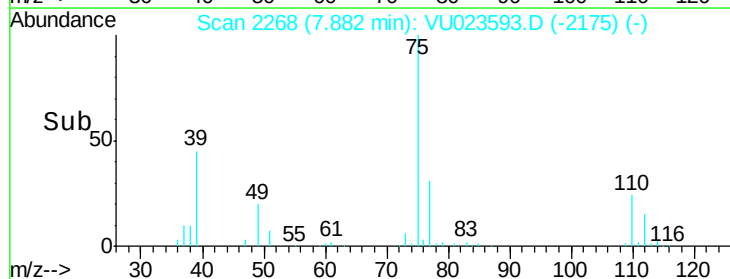
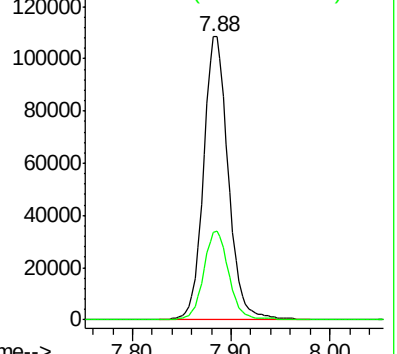
75 100

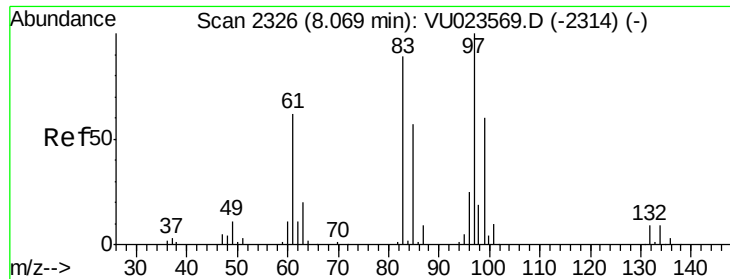
77 30.8 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 48.37 ug/L

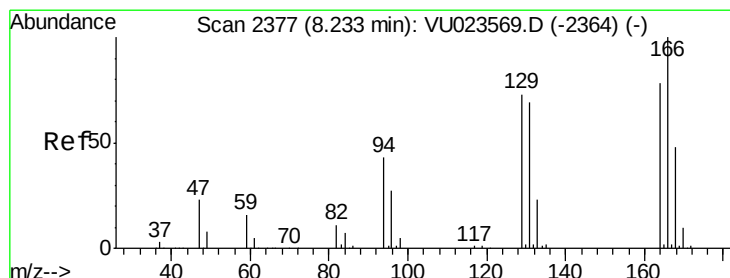
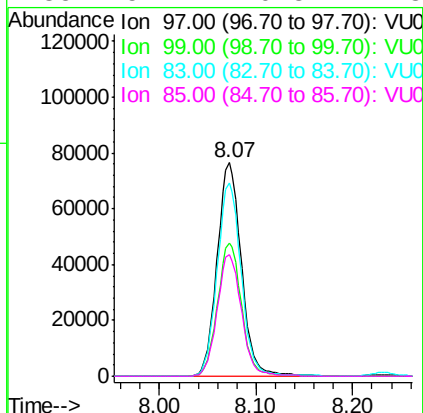
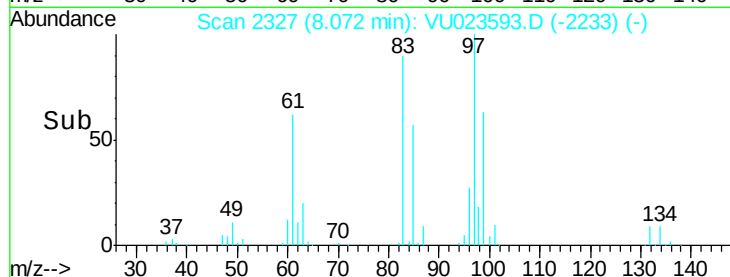
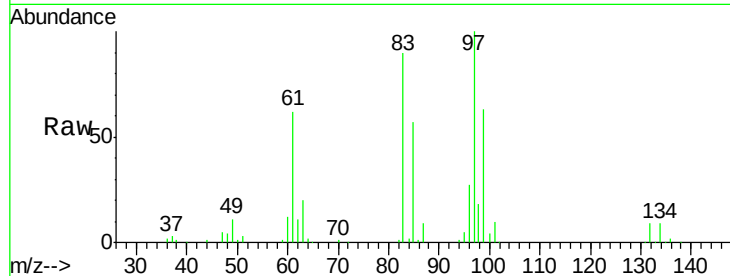
RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

Tgt Ion:	97	Resp:	133210
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.2	82.2
83	90.3	63.1	117.1
85	57.2	40.3	74.8



#46

Tetrachloroethene

Concen: 44.77 ug/L

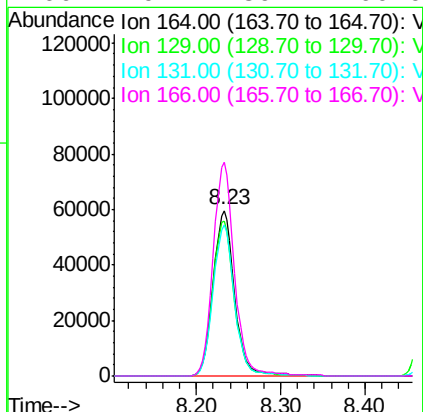
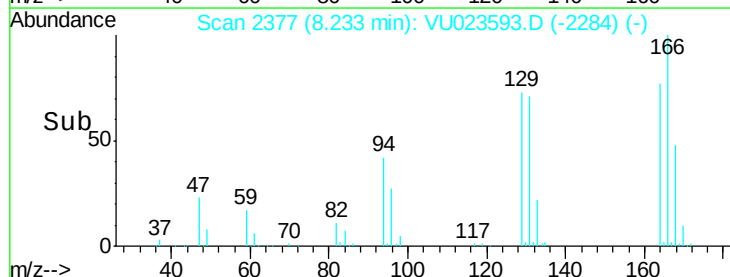
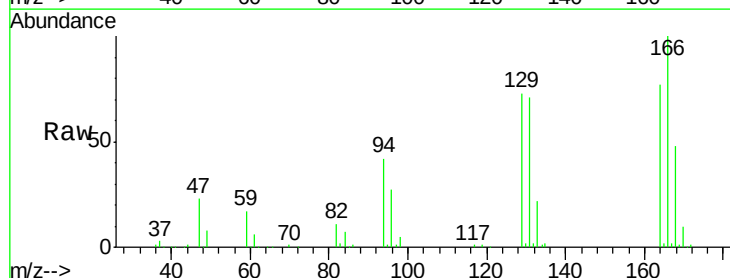
RT: 8.23 min Scan# 2377

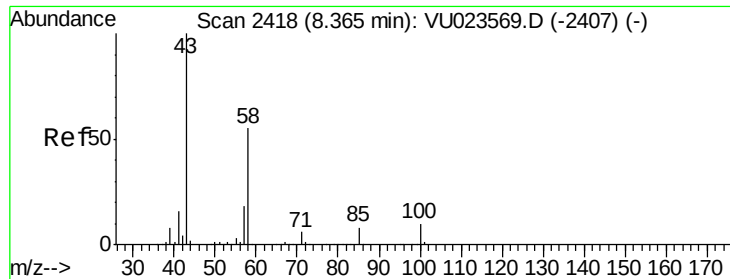
Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

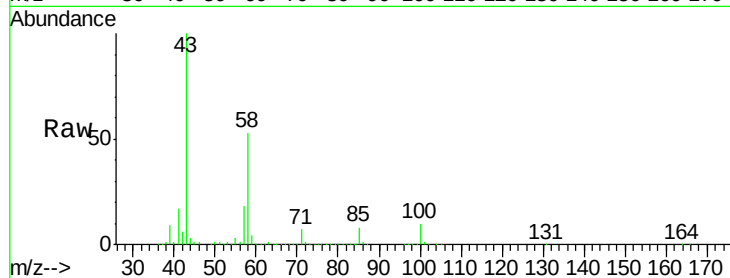
Tgt Ion:	164	Resp:	105716
Ion	Ratio	Lower	Upper
164	100		
129	93.9	64.2	119.2
131	91.4	64.1	119.1
166	129.2	89.4	166.0



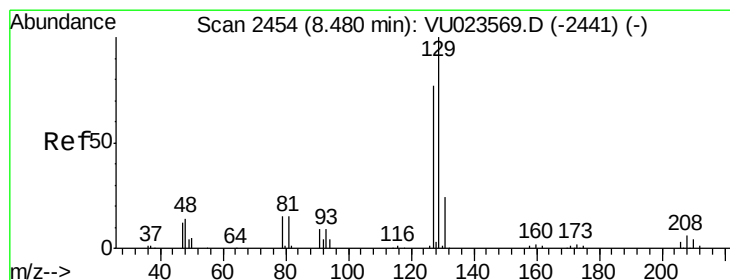
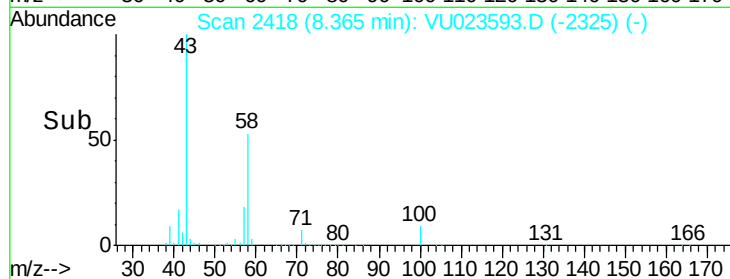
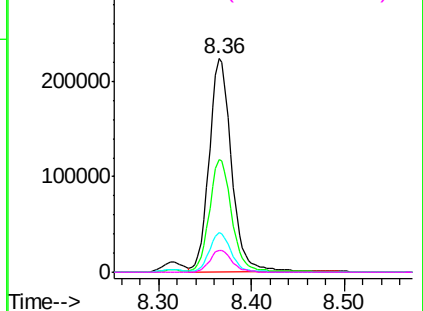


#48
2-Hexanone
Concen: 108.08 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU023593.D
Acq: 02 May 2018 21:51

Tgt Ion:	43	Resp:	372502
Ion	Ratio	Lower	Upper
43	100		
58	53.6	43.0	64.6
57	17.9	14.6	22.0
100	10.4	8.4	12.6

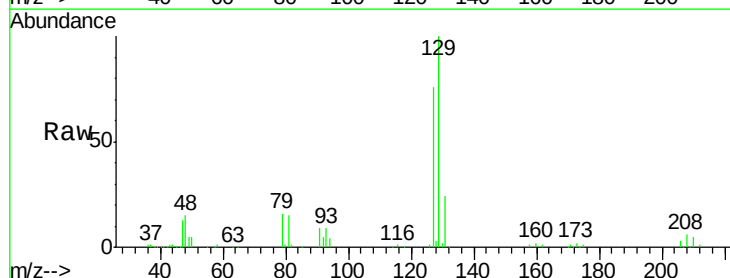


Abundance Ion 43.00 (42.70 to 43.70): VU023593.D (-2325) (-)
Ion 58.00 (57.70 to 58.70): VU023593.D (-2325) (-)
Ion 57.00 (56.70 to 57.70): VU023593.D (-2325) (-)
Ion 100.00 (99.70 to 100.70): VU023593.D (-2325) (-)

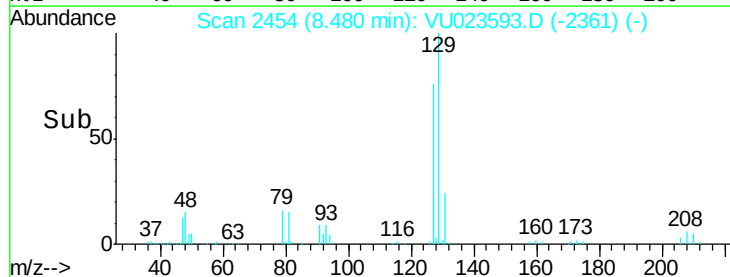
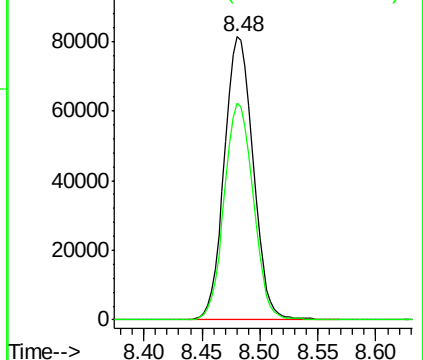


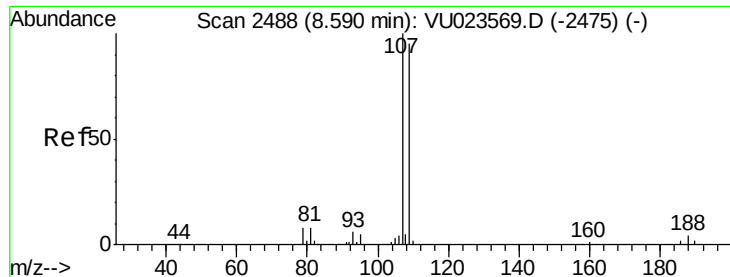
#49
Dibromochloromethane
Concen: 48.33 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU023593.D
Acq: 02 May 2018 21:51

Tgt Ion:	129	Resp:	140178
Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.3	99.1



Abundance Ion 129.00 (128.70 to 129.70): VU023593.D (-2361) (-)
Ion 127.00 (126.70 to 127.70): VU023593.D (-2361) (-)





#50

1,2-Dibromoethane

Concen: 49.45 ug/L

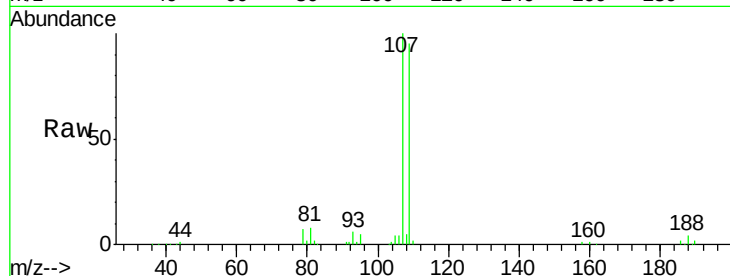
RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

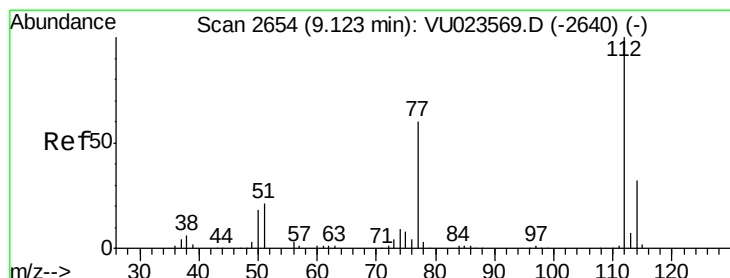
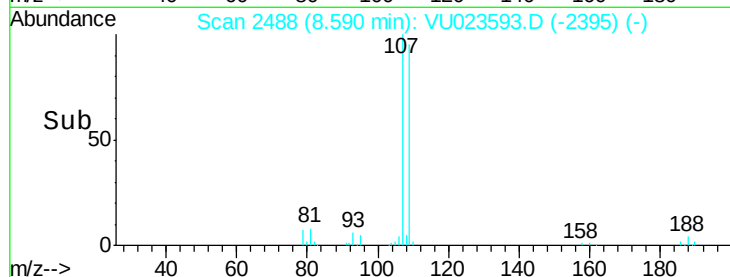
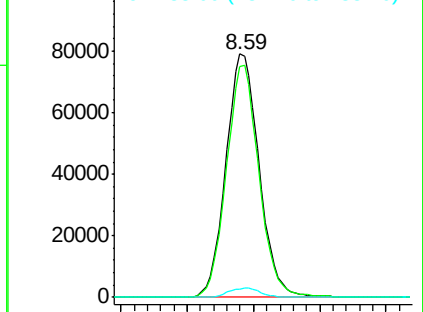
Lab File: VU023593.D

Acq: 02 May 2018 21:51

Tgt Ion:	107	Resp:	137520
Ion	Ratio	Lower	Upper
107	100		
109	94.6	66.1	122.7
188	3.5	3.2	4.8



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: 45.84 ug/L

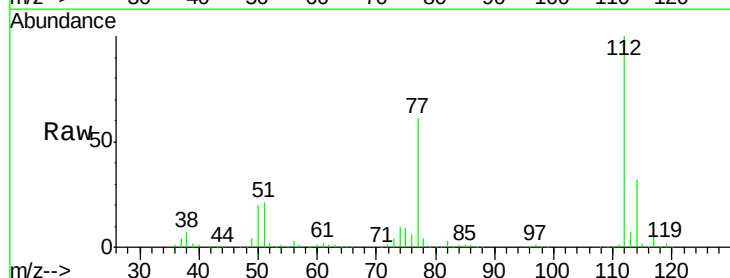
RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

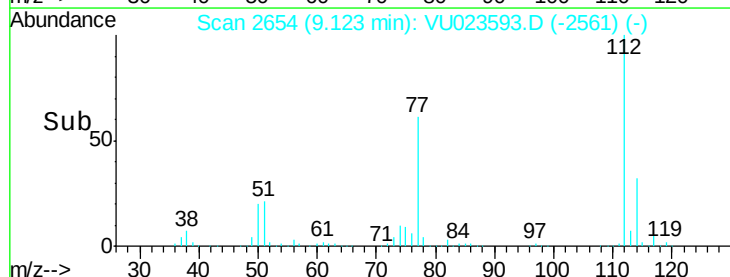
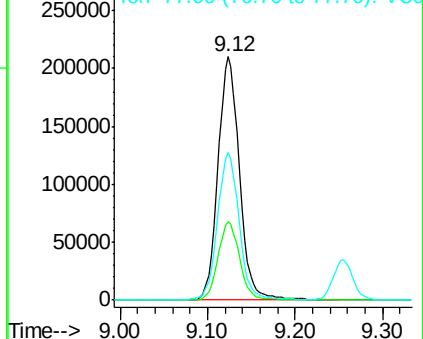
Lab File: VU023593.D

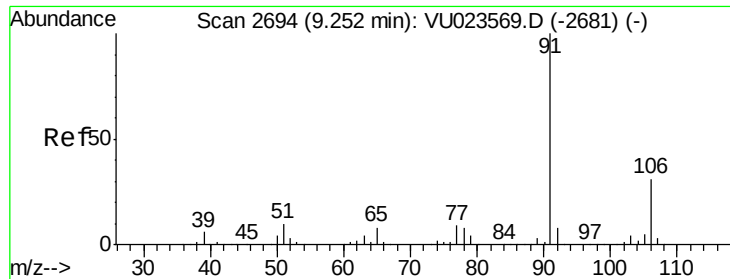
Acq: 02 May 2018 21:51

Tgt Ion:	112	Resp:	357996
Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.7	42.3
77	60.6	47.5	71.3



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: 47.83 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU023593.D

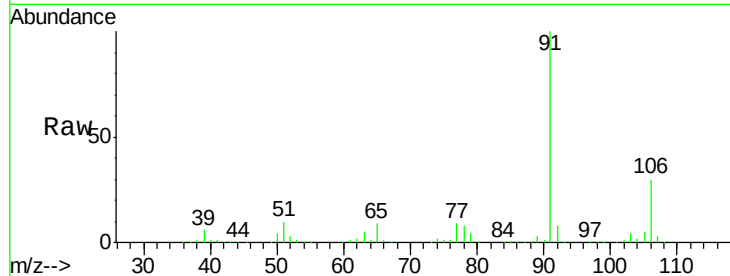
Acq: 02 May 2018 21:51

Tgt Ion: 91 Resp: 607669

Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

400000

300000

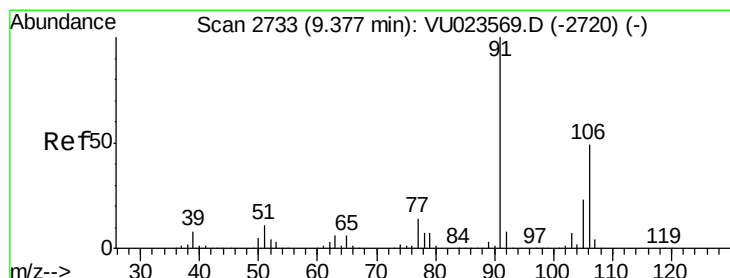
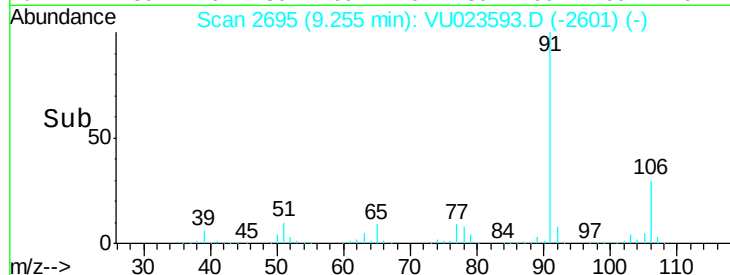
200000

100000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 47.76 ug/L

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU023593.D

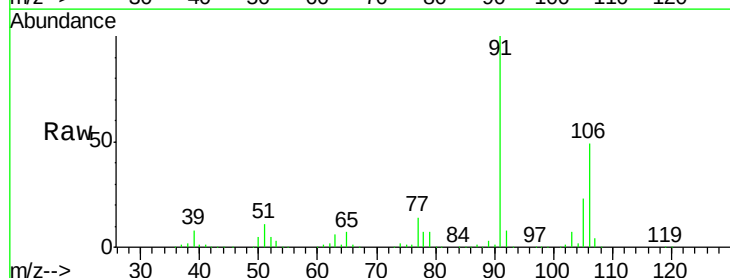
Acq: 02 May 2018 21:51

Tgt Ion: 106 Resp: 231443

Ion Ratio Lower Upper

106 100

91 202.7 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

300000

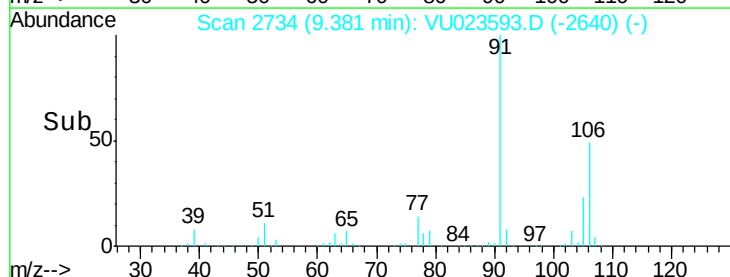
200000

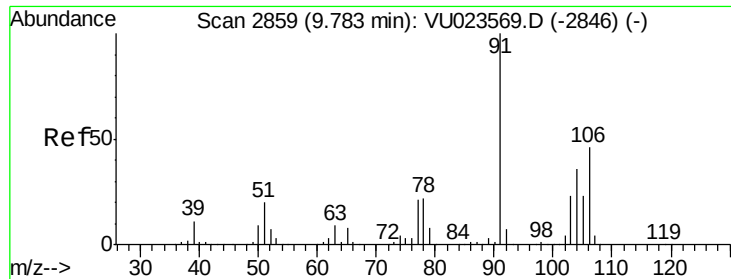
100000

0

9.30 9.40 9.50

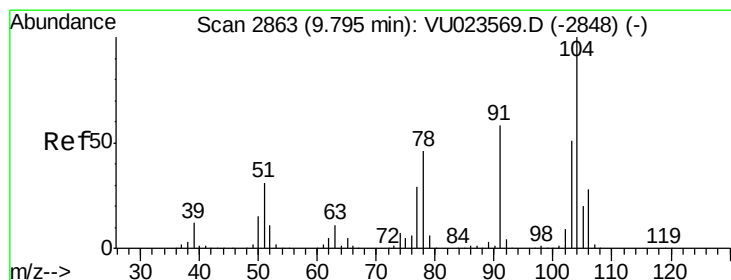
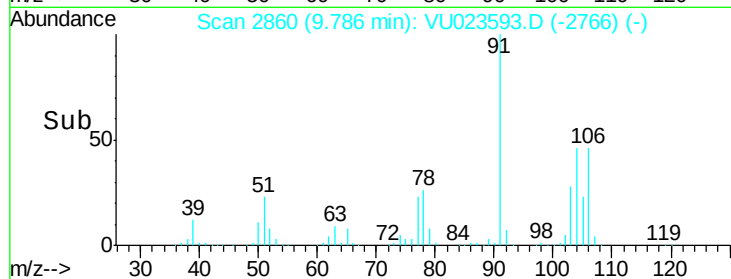
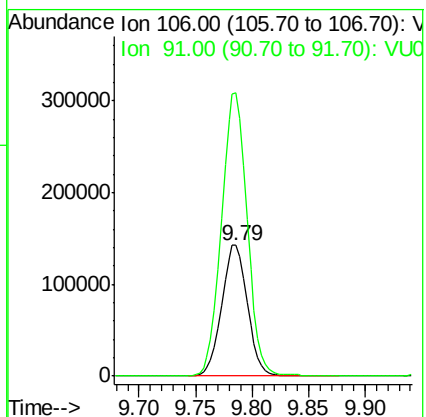
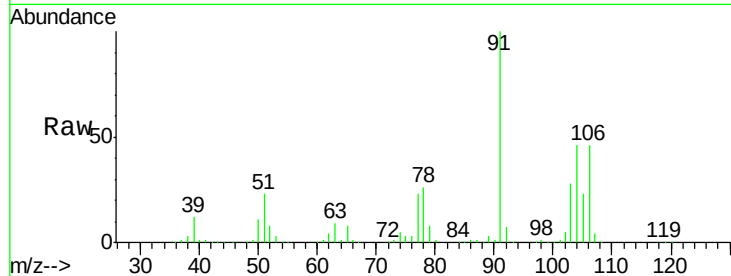
Time-->





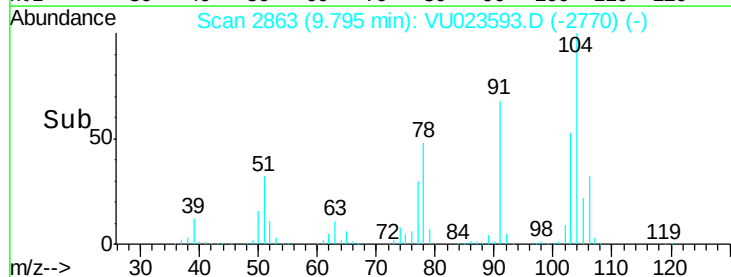
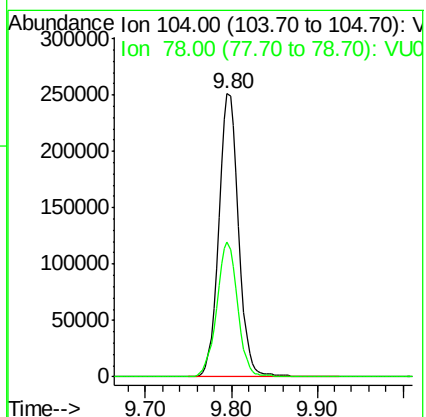
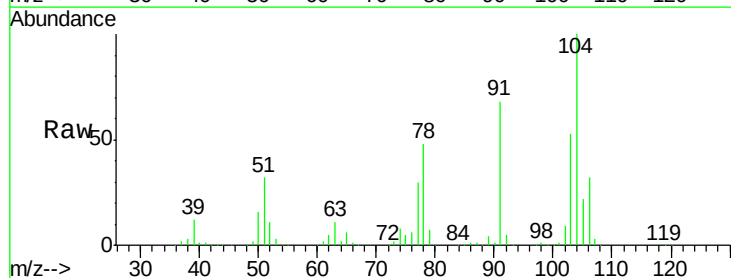
#54
o-xylene
Concen: 49.26 ug/L
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU023593.D
Acq: 02 May 2018 21:51

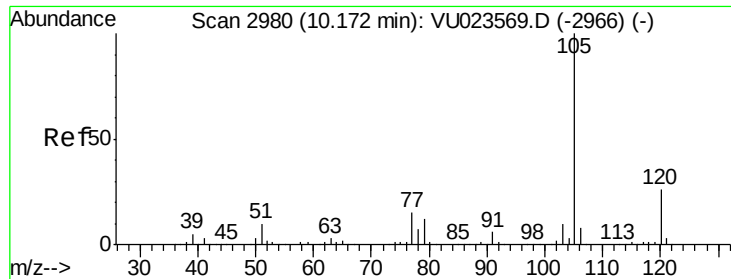
Tgt Ion:106 Resp: 226163
Ion Ratio Lower Upper
106 100
91 216.1 148.9 276.5



#55
Styrene
Concen: 49.95 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU023593.D
Acq: 02 May 2018 21:51

Tgt Ion:104 Resp: 401212
Ion Ratio Lower Upper
104 100
78 47.5 32.1 59.7





#56

Isopropylbenzene

Concen: 48.77 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

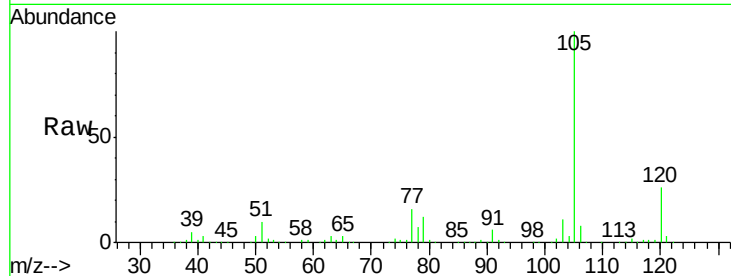
Tgt Ion: 105 Resp: 587703

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

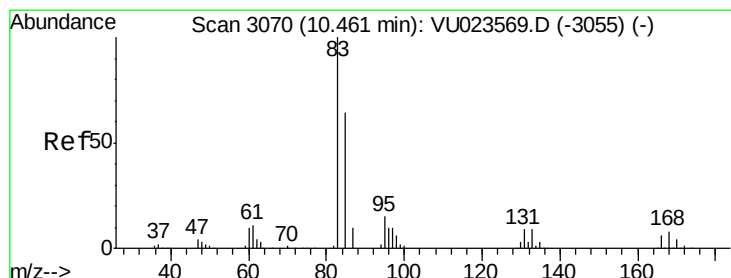
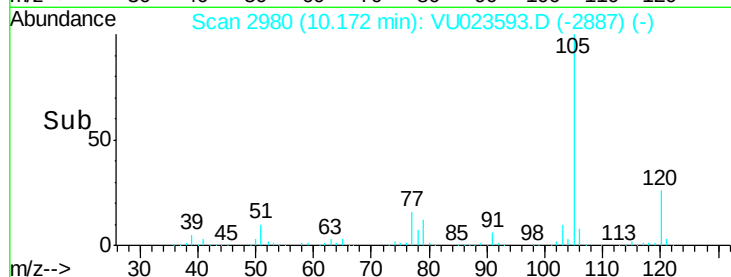
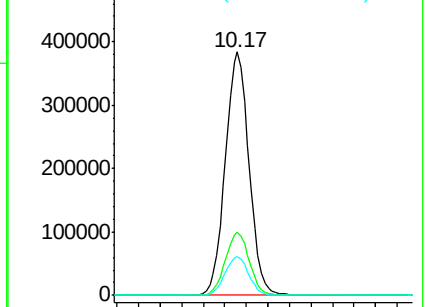
77 16.1 12.6 18.8



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: 51.87 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

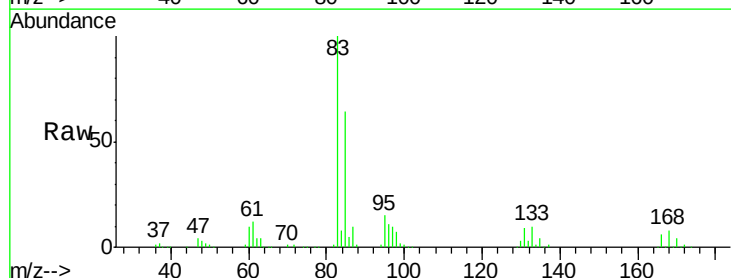
Tgt Ion: 83 Resp: 234493

Ion Ratio Lower Upper

83 100

85 63.6 45.6 84.6

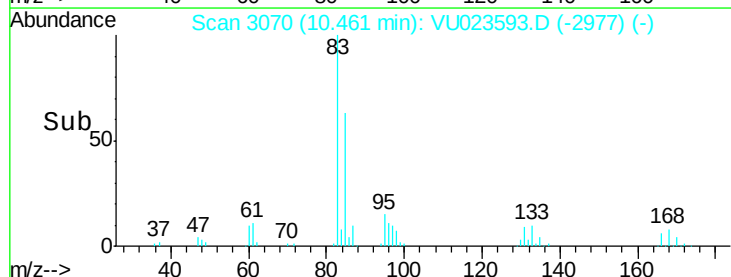
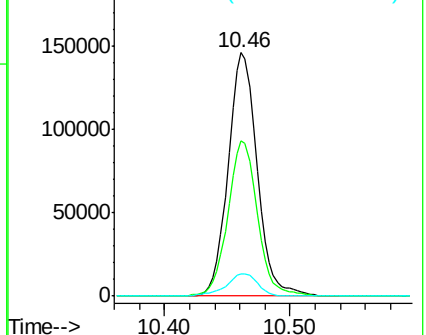
131 9.2 7.9 11.9

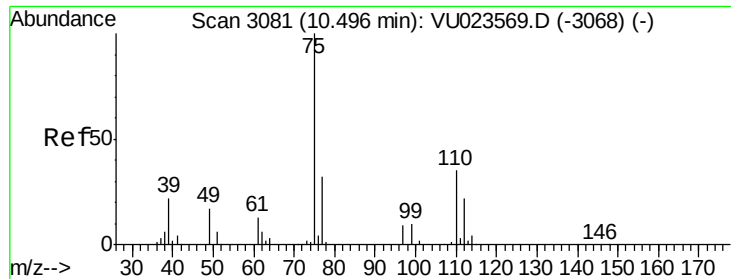


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 53.21 ug/L

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU023593.D

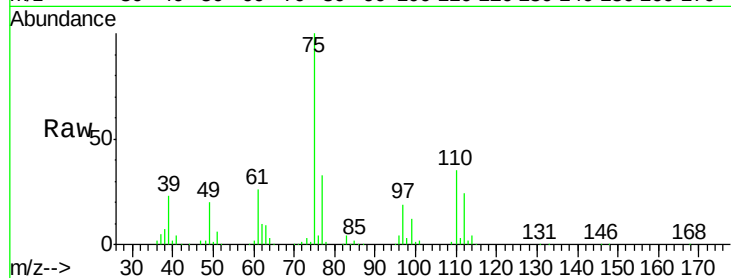
Acq: 02 May 2018 21:51

Tgt Ion: 75 Resp: 190403

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU023593.D (-2459) (-)

Ion 77.00 (76.70 to 77.70): VU023593.D (-2459) (-)

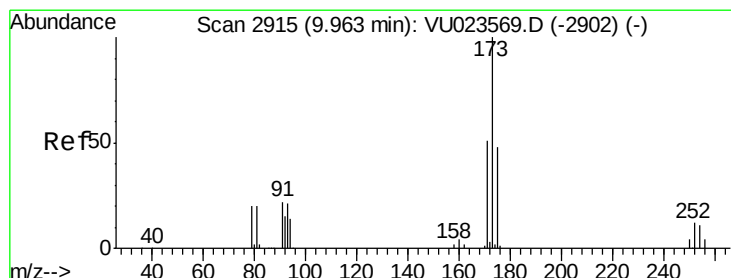
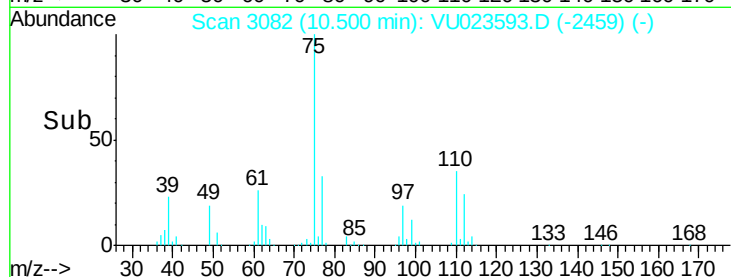
10.50

100000

50000

0

Time-->



#61

Bromoform

Concen: 49.55 ug/L

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

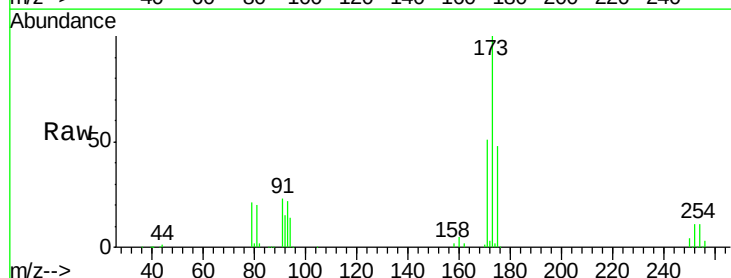
Tgt Ion: 173 Resp: 104763

Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.4

254 10.9 8.8 13.2



Abundance Ion 173.00 (172.70 to 173.70): VU023593.D (-2822) (-)

Ion 175.00 (174.70 to 175.70): VU023593.D (-2822) (-)

Ion 254.00 (253.70 to 254.70): VU023593.D (-2822) (-)

9.96

80000

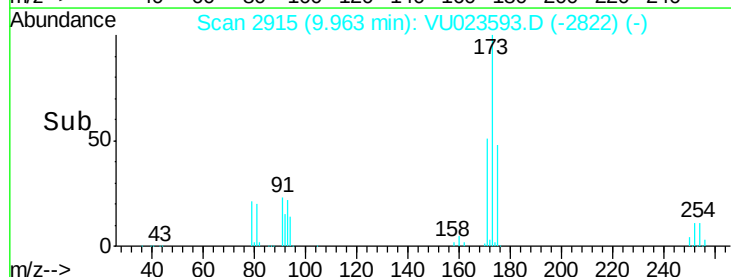
60000

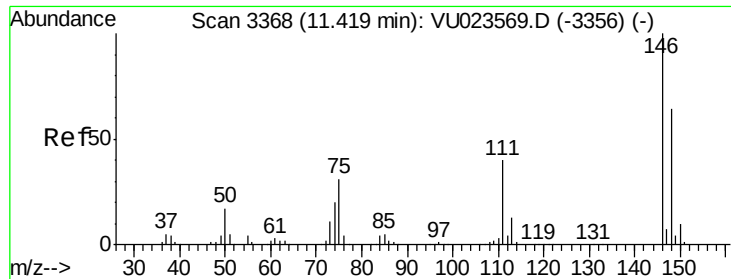
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 45.55 ug/L

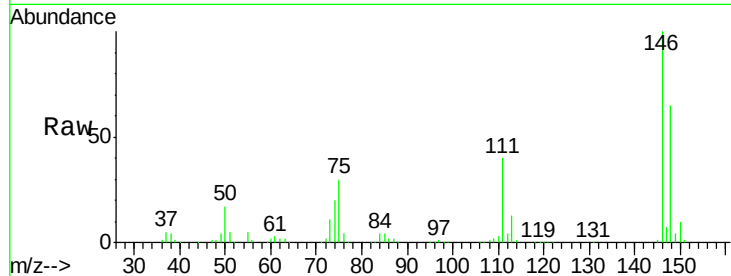
RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

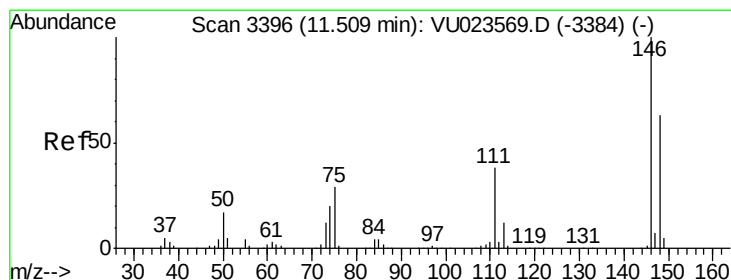
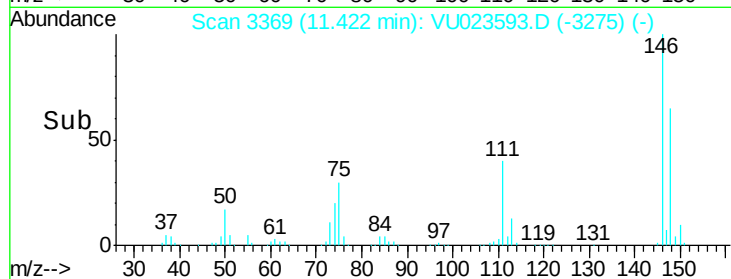
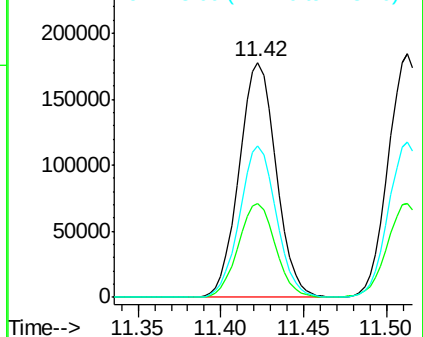
Tgt Ion:	146	Resp:	276281
Ion	Ratio	Lower	Upper
146	100		
111	40.2	27.9	51.7
148	64.7	44.4	82.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 45.63 ug/L

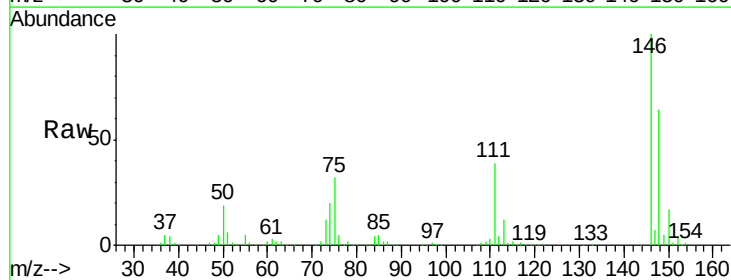
RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

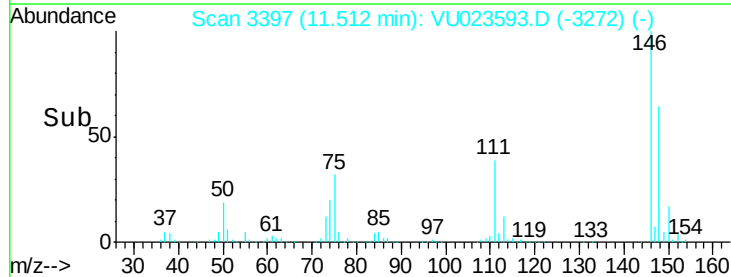
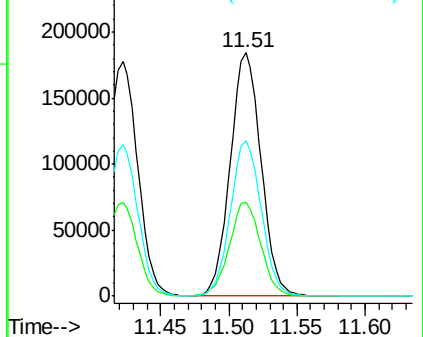
Tgt Ion:	146	Resp:	289001
Ion	Ratio	Lower	Upper
146	100		
111	38.6	26.8	49.8
148	64.0	44.8	83.2

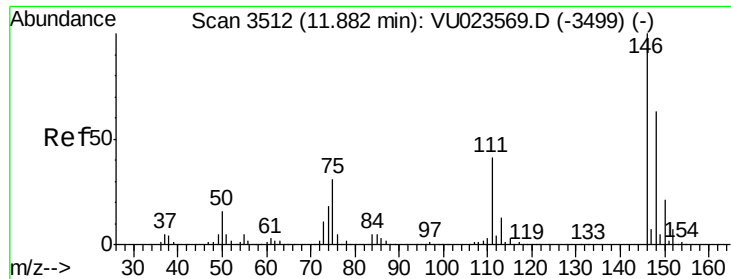


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

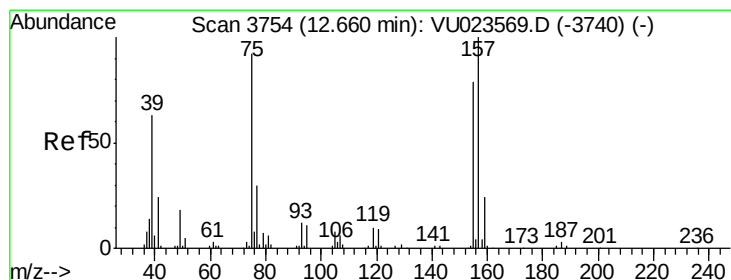
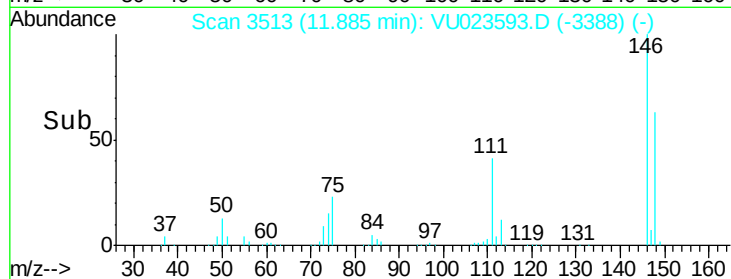
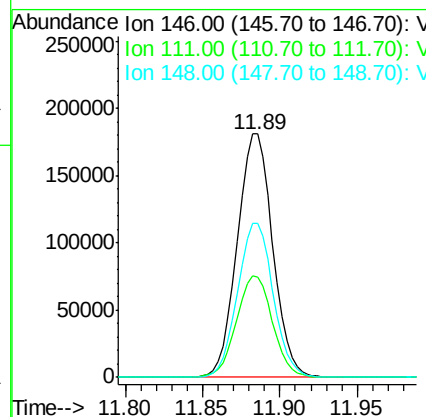
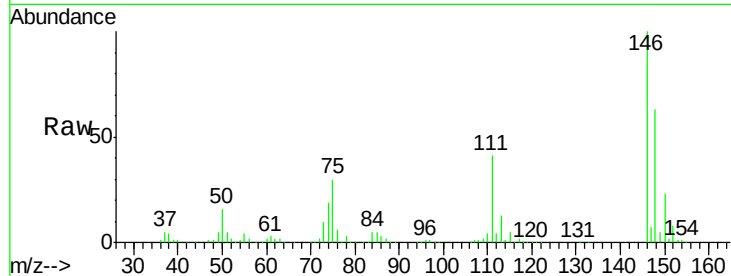
Ion 148.00 (147.70 to 148.70): V





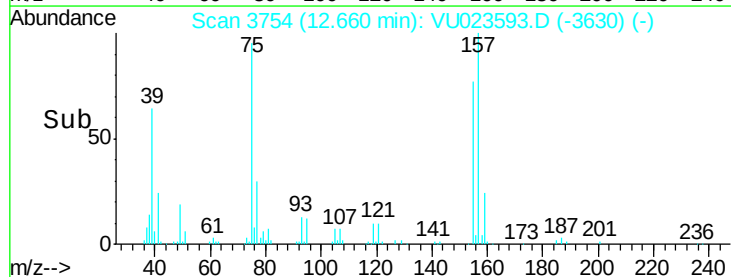
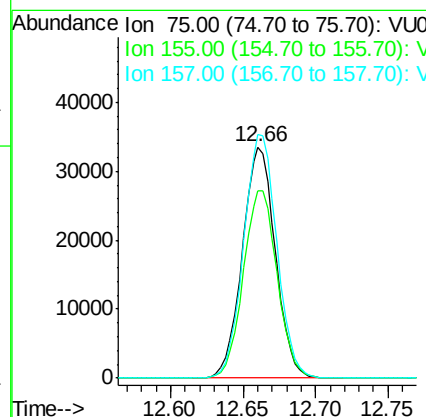
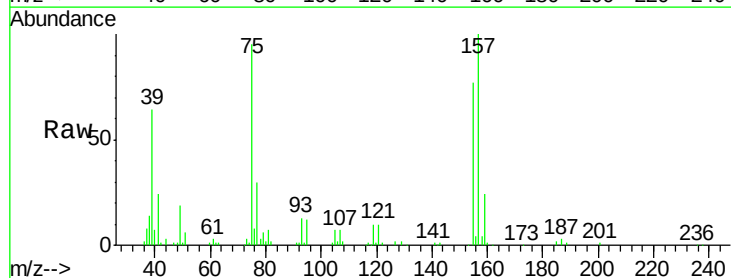
#65
 1,2-Dichlorobenzene
 Concen: 46.46 ug/L
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU023593.D
 Acq: 02 May 2018 21:51

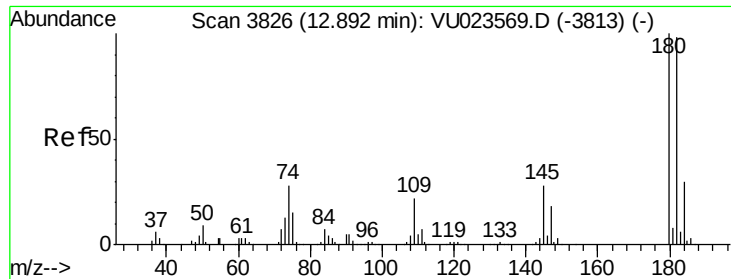
Tgt Ion: 146 Resp: 288286
 Ion Ratio Lower Upper
 146 100
 111 41.4 32.9 49.3
 148 63.4 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 58.60 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU023593.D
 Acq: 02 May 2018 21:51

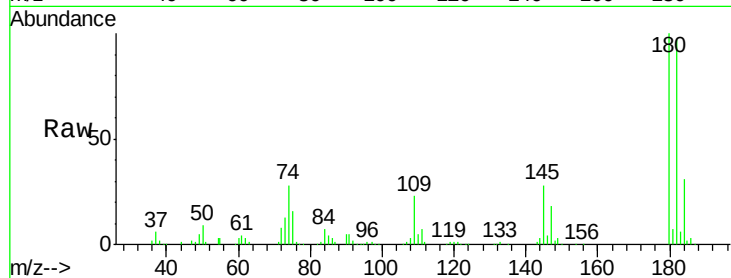
Tgt Ion: 75 Resp: 52796
 Ion Ratio Lower Upper
 75 100
 155 81.0 68.9 103.3
 157 105.3 89.9 134.9



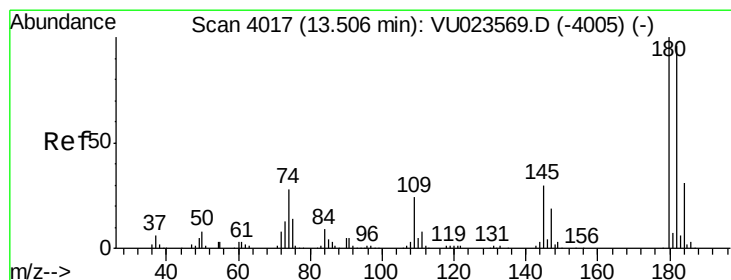
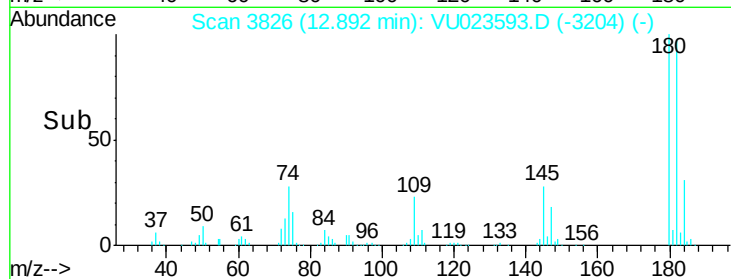
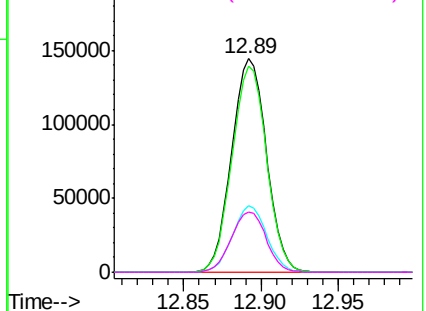


#67
 1,3,5-Trichlorobenzene
 Concen: 44.47 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU023593.D
 Acq: 02 May 2018 21:51

Tgt Ion:	180	Resp:	225930
Ion Ratio	Lower	Upper	
180	100		
182	95.7	76.5	114.7
184	30.6	24.1	36.1
145	28.1	22.2	33.4

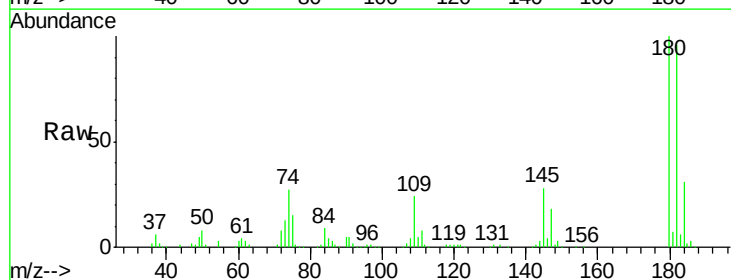


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

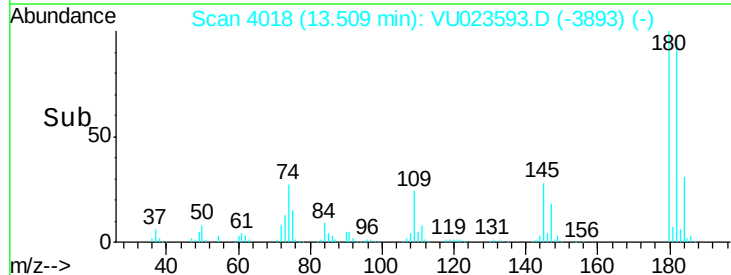
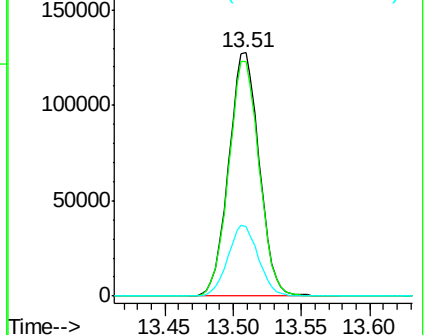


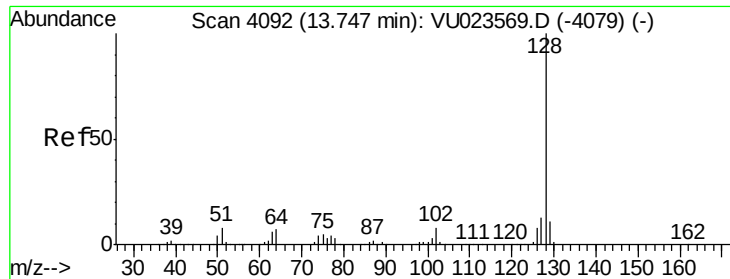
#68
 1,2,4-trichlorobenzene
 Concen: 45.94 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU023593.D
 Acq: 02 May 2018 21:51

Tgt Ion:	180	Resp:	198231
Ion Ratio	Lower	Upper	
180	100		
182	96.3	77.1	115.7
145	29.0	23.4	35.0



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: 56.73 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

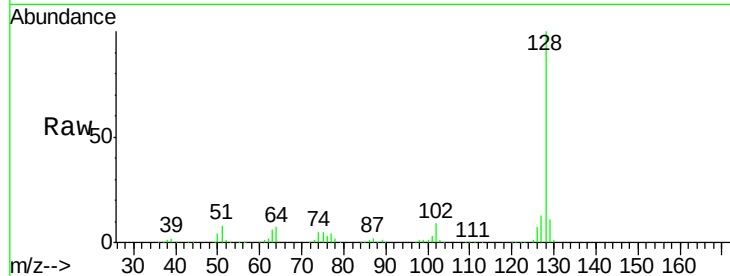
Tgt Ion:128 Resp: 642354

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

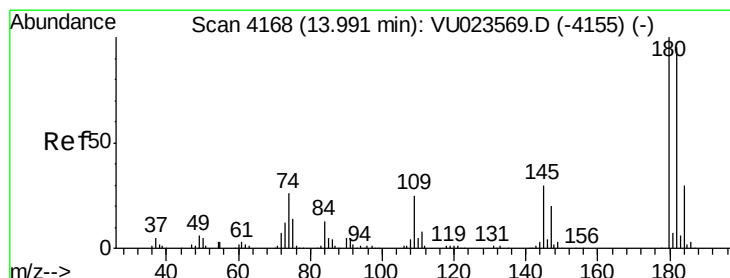
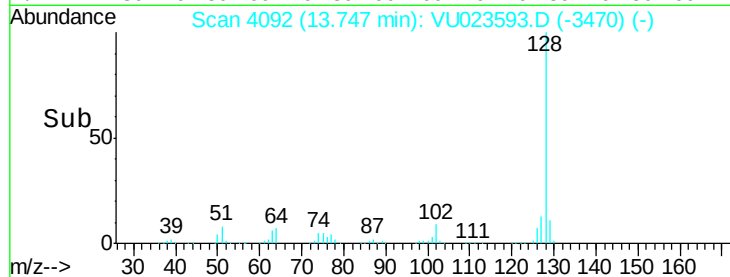
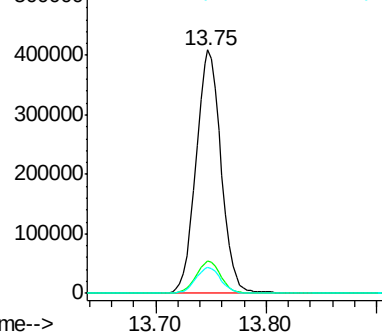
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.70 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU023593.D

Acq: 02 May 2018 21:51

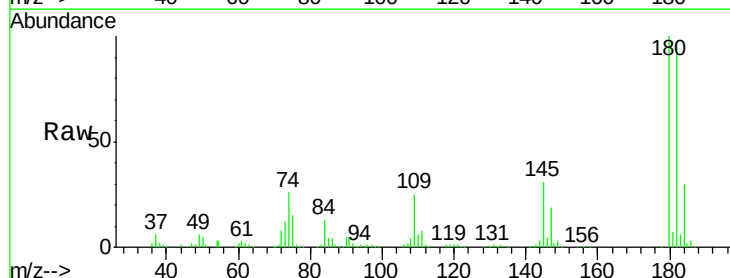
Tgt Ion:180 Resp: 214103

Ion Ratio Lower Upper

180 100

182 96.0 76.2 114.4

145 31.2 24.3 36.5



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

