

Data File : VU023728.D
Acq On : 08 May 2018 11:13
Operator : MD/SY
Sample : VSTD01054
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 09 01:36:03 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 09 01:35:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	345245	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	326108	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	166503	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	25524	10.36	ug/L	0.00
7) Chloroethane-d5	1.68	69	18730	9.98	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	48939	10.32	ug/L	0.00
21) 2-Butanone-d5	4.18	46	36378	21.16	ug/L	0.00
24) Chloroform-d	4.65	84	42663	10.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.32	65	27427	9.82	ug/L	0.00
32) Benzene-d6	5.35	84	87313	9.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	28249	9.66	ug/L	0.00
41) Toluene-d8	7.57	98	79698	9.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	11103	8.85	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	23264	20.27	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	38940	10.21	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	32426	9.95	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	34566	9.61	ug/L	100
3) Chloromethane	1.33	50	29415	7.81	ug/L	99
5) Vinyl chloride	1.40	62	34585	9.46	ug/L	# 79
6) Bromomethane	1.63	94	11761	6.32	ug/L	96
8) Chloroethane	1.70	64	21488	9.65	ug/L	96
9) Trichlorofluoromethane	1.89	101	42515	10.22	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	27517	10.49	ug/L	99
12) 1,1-Dichloroethene	2.29	96	25995	10.56	ug/L	87
13) Acetone	2.32	43	48407	19.90	ug/L	99
14) Carbon disulfide	2.48	76	79652	9.47	ug/L	97
15) Methyl Acetate	2.62	43	36141	10.94	ug/L	100
16) Methylene chloride	2.70	84	32116	10.46	ug/L	93
17) trans-1,2-Dichloroethene	2.99	96	27702	10.27	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	85790	10.67	ug/L	99
19) 1,1-Dichloroethane	3.45	63	54606	10.21	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	30563	10.16	ug/L	93
22) 2-Butanone	4.27	43	54377	19.83	ug/L	99
23) Bromochloromethane	4.55	128	15529	10.25	ug/L	96
25) Chloroform	4.68	83	53859	9.88	ug/L	99
27) 1,2-Dichloroethane	5.41	62	42034	10.33	ug/L	98
29) Cyclohexane	5.00	56	45284	9.65	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	41745	10.25	ug/L	99
31) Carbon tetrachloride	5.14	117	35368	10.00	ug/L	100
33) Benzene	5.39	78	117783	10.46	ug/L	100
34) Trichloroethene	6.19	95	29946	10.31	ug/L	96
35) Methylcyclohexane	6.42	83	43513	9.68	ug/L	98
37) 1,2-Dichloropropane	6.44	63	33023	10.18	ug/L	100
38) Bromodichloromethane	6.76	83	38911	10.61	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	43305	9.69	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	87646	21.84	ug/L	98

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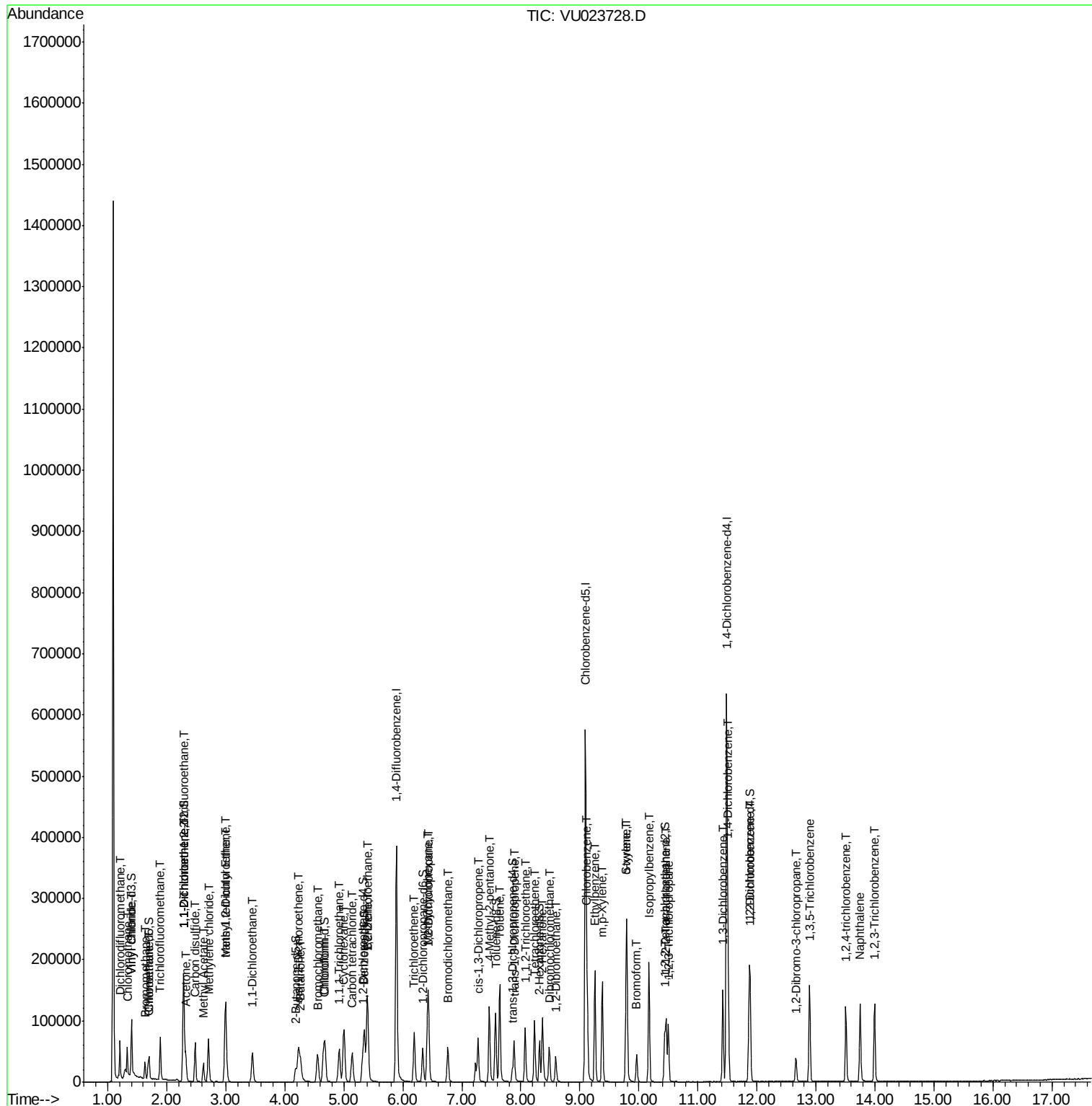
Quant Time: May 09 01:36:03 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
Quant Title : VOC Analysis
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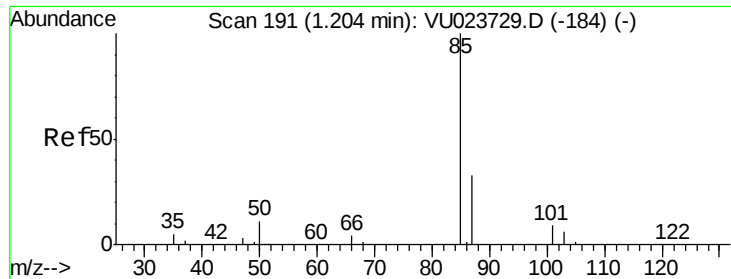
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	120920	10.34	ug/L	97
44) trans-1,3-Dichloropropene	7.89	75	38824	9.75	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	29316	10.58	ug/L	98
46) Tetrachloroethene	8.23	164	24584	10.44	ug/L	96
48) 2-Hexanone	8.37	43	69535	20.05	ug/L	99
49) Dibromochloromethane	8.48	129	29448	10.10	ug/L	96
50) 1,2-Dibromoethane	8.59	107	29439	10.46	ug/L #	99
51) Chlorobenzene	9.12	112	82104	10.48	ug/L	99
52) Ethylbenzene	9.26	91	130133	10.23	ug/L	99
53) m,p-Xylene	9.38	106	48922	10.11	ug/L	100
54) o-xylene	9.78	106	47160	10.25	ug/L	100
55) Styrene	9.80	104	80958	10.06	ug/L	97
56) Isopropylbenzene	10.17	105	125094	10.32	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	50661	11.07	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	40141	11.05	ug/L	99
61) Bromoform	9.96	173	22218	10.65	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	63835	10.73	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	65678	10.62	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	65405	10.75	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	9610	10.75	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	51319	10.36	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	40515	9.62	ug/L	99
69) Naphthalene	13.75	128	106186	9.59	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	42852	9.99	ug/L	99

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

ALS Vial : 4 Sample Multiplier: 1

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 9.61 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU023728.D

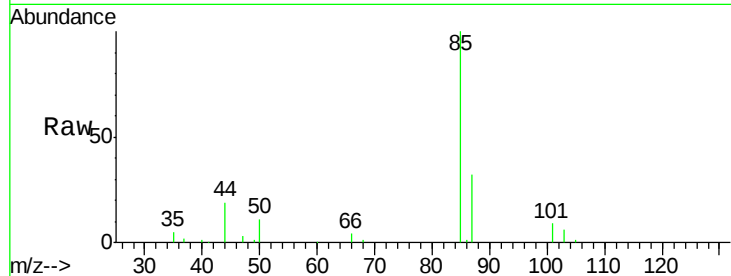
Acq: 08 May 2018 11:13

Tgt Ion: 85 Resp: 34566

Ion Ratio Lower Upper

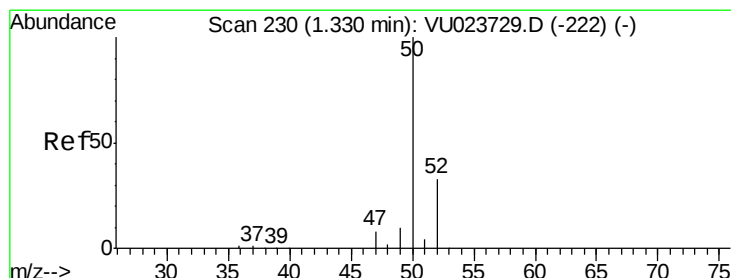
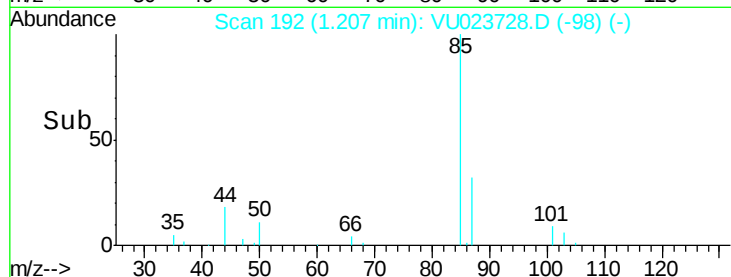
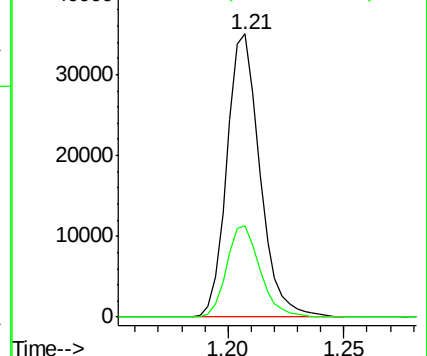
85 100

87 32.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 7.81 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU023728.D

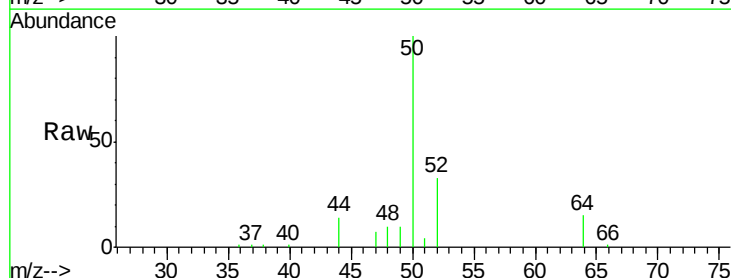
Acq: 08 May 2018 11:13

Tgt Ion: 50 Resp: 29415

Ion Ratio Lower Upper

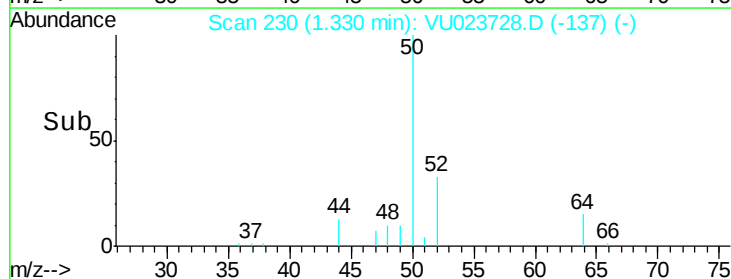
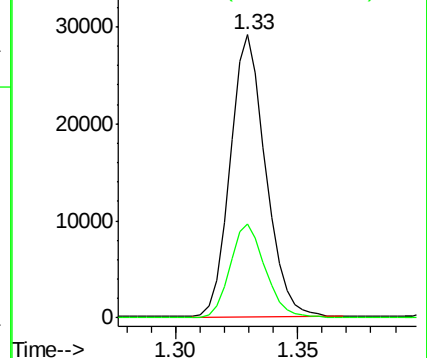
50 100

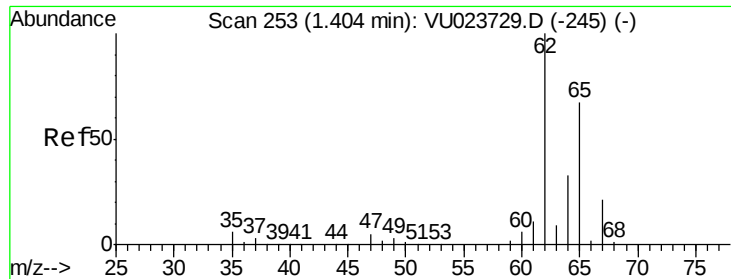
52 33.2 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 9.46 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023728.D

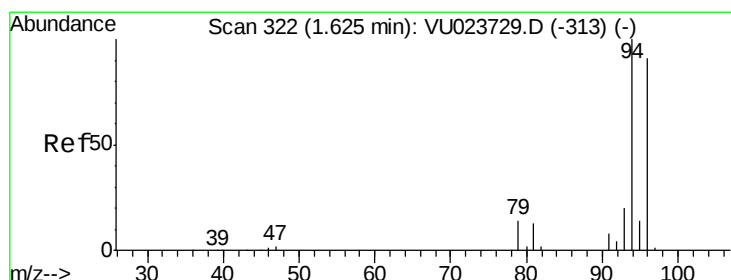
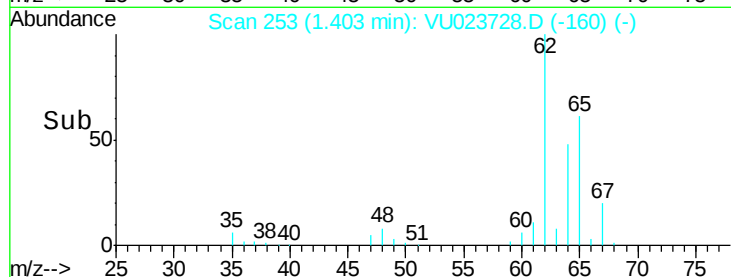
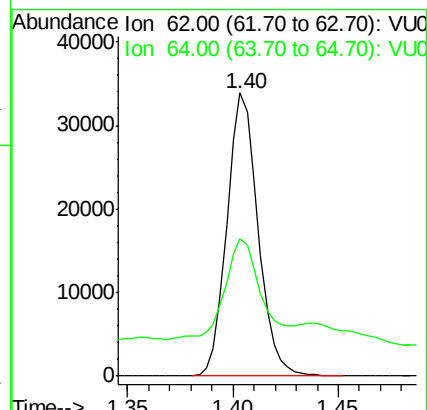
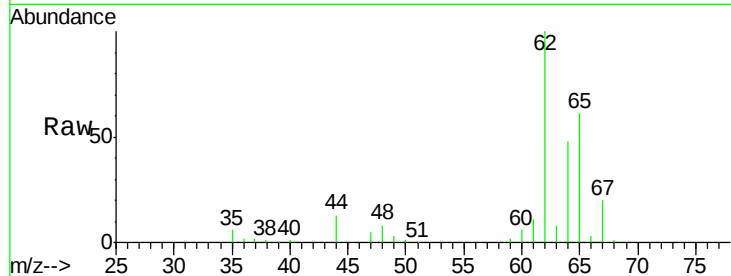
Acq: 08 May 2018 11:13

Tgt Ion: 62 Resp: 34585

Ion Ratio Lower Upper

62 100

64 48.4 25.2 46.8#



#6

Bromomethane

Concen: 6.32 ug/L

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU023728.D

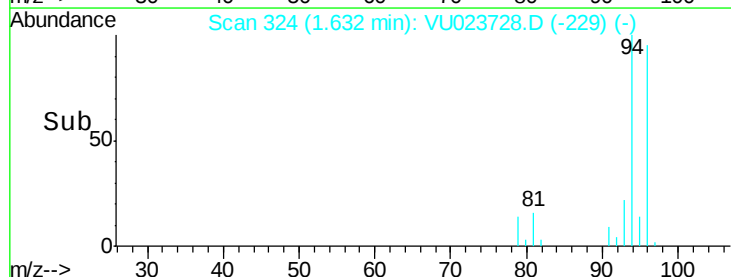
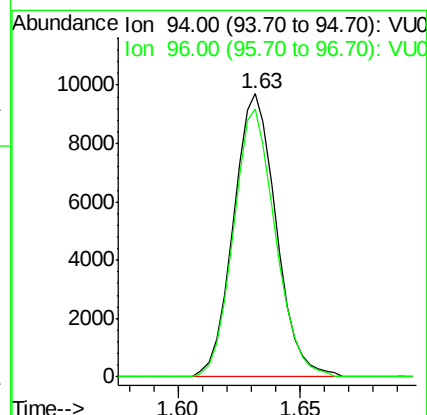
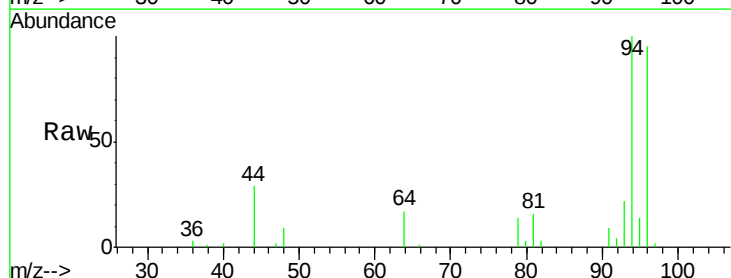
Acq: 08 May 2018 11:13

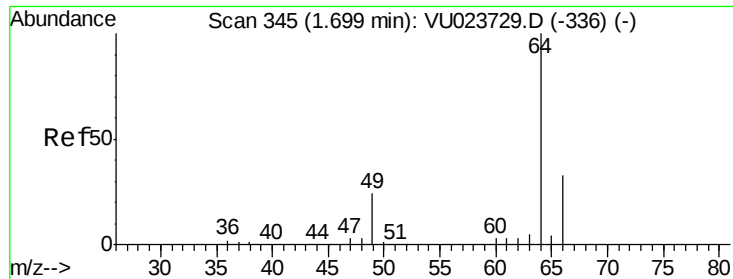
Tgt Ion: 94 Resp: 11761

Ion Ratio Lower Upper

94 100

96 94.7 63.3 117.7





#8

Chloroethane

Concen: 9.65 ug/L

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU023728.D

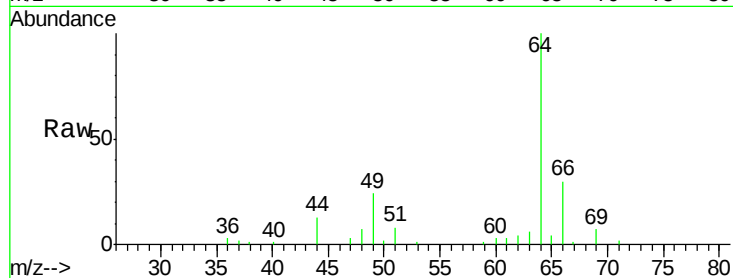
Acq: 08 May 2018 11:13

Tgt Ion: 64 Resp: 21488

Ion Ratio Lower Upper

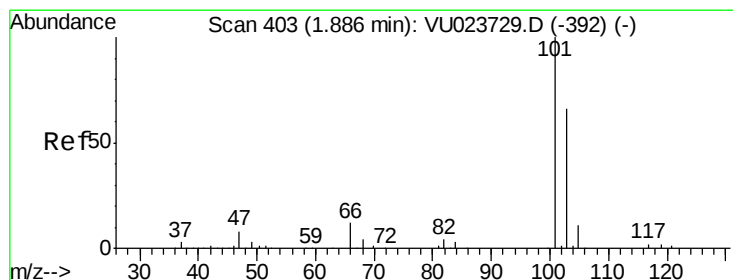
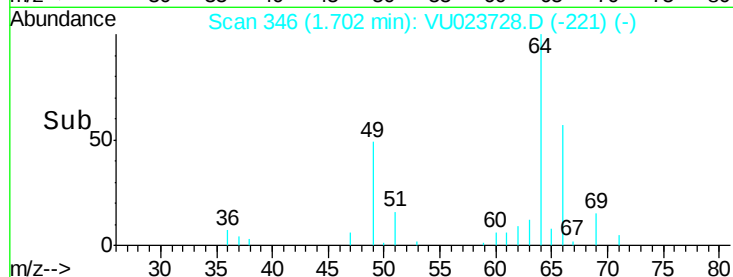
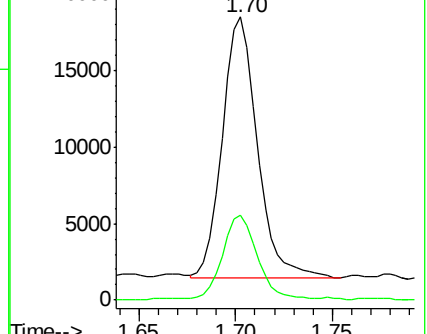
64 100

66 30.1 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 10.22 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU023728.D

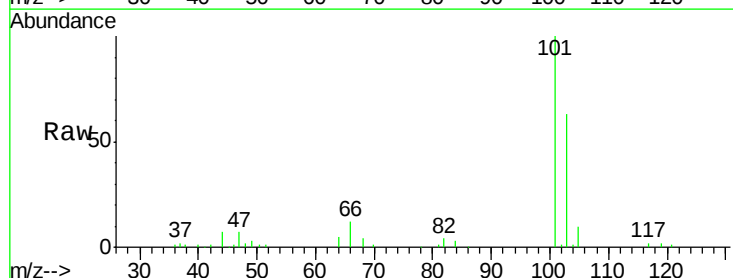
Acq: 08 May 2018 11:13

Tgt Ion: 101 Resp: 42515

Ion Ratio Lower Upper

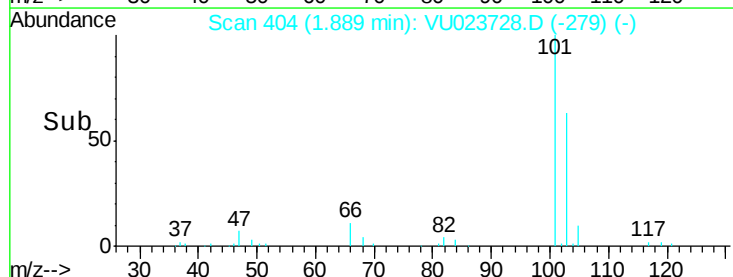
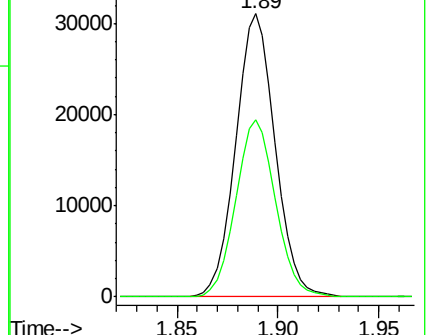
101 100

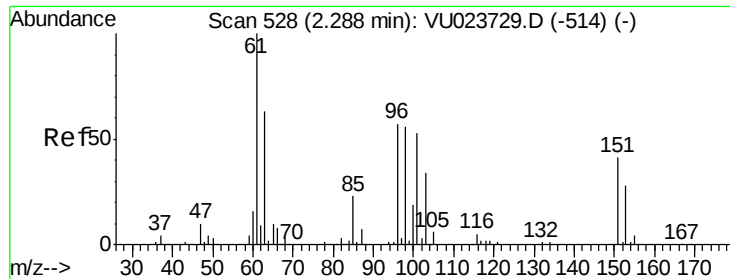
103 63.1 52.3 78.5



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: 10.49 ug/L

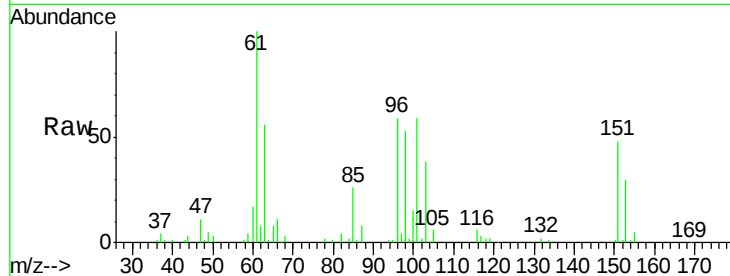
RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU023728.D

Acq: 08 May 2018 11:13

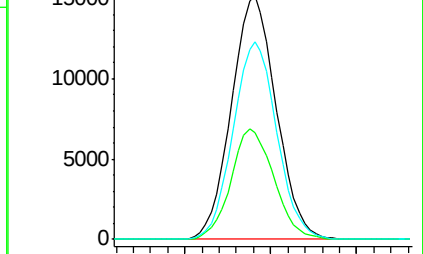
Tgt Ion:	101	Resp:	27517
Ion	Ratio	Lower	Upper
101	100		
85	43.4	33.9	50.9
151	78.9	63.0	94.4



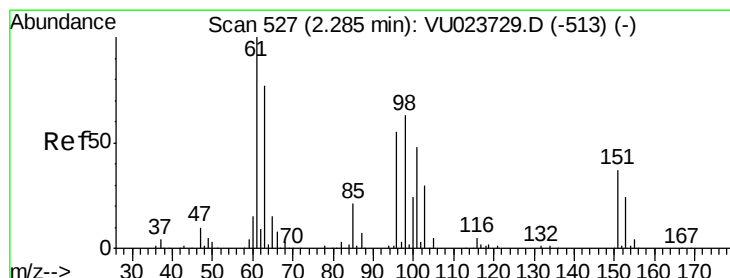
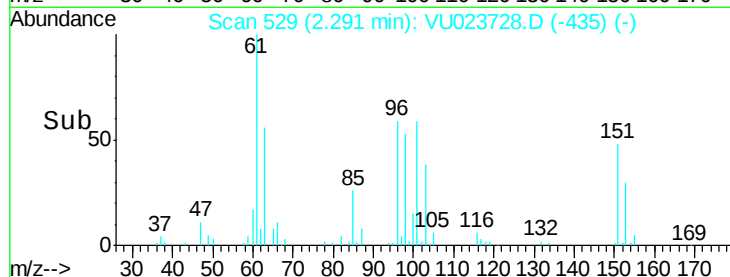
Abundance Ion 101.00 (100.70 to 101.70): VU023728.D (-435) (-)

Ion 85.00 (84.70 to 85.70): VU023728.D (-435) (-)

Ion 151.00 (150.70 to 151.70): VU023728.D (-435) (-)



Time-->



#12

1,1-Dichloroethene

Concen: 10.56 ug/L

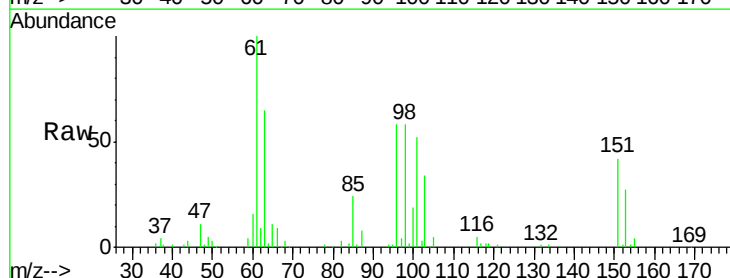
RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU023728.D

Acq: 08 May 2018 11:13

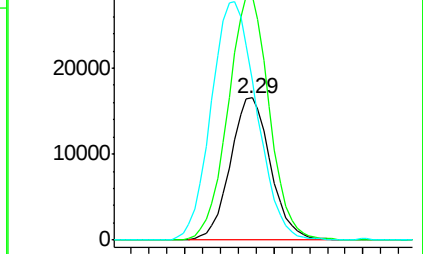
Tgt Ion:	96	Resp:	25995
Ion	Ratio	Lower	Upper
96	100		
61	171.3	126.4	234.8
63	111.7	97.3	180.7



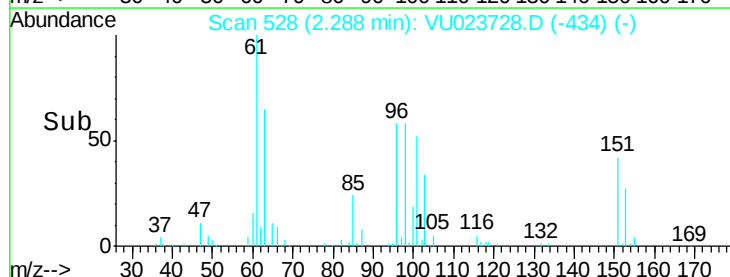
Abundance Ion 96.00 (95.70 to 96.70): VU023728.D (-434) (-)

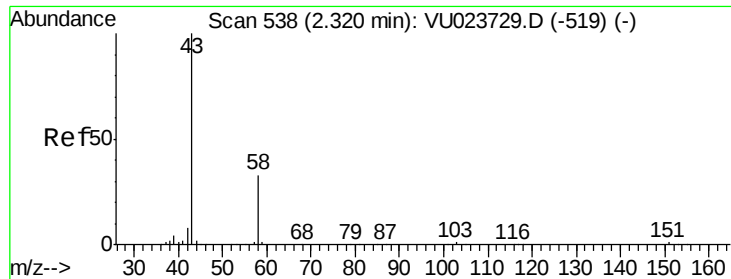
Ion 61.00 (60.70 to 61.70): VU023728.D (-434) (-)

Ion 63.00 (62.70 to 63.70): VU023728.D (-434) (-)



Time-->





#13

Acetone

Concen: 19.90 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU023728.D

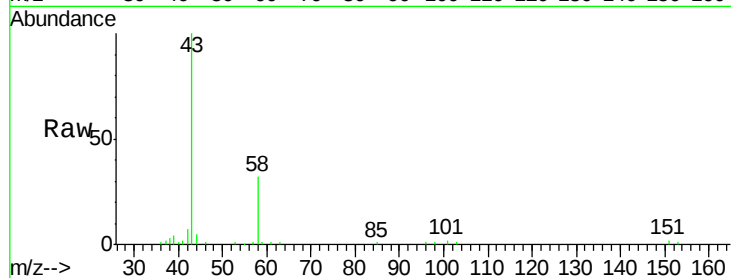
Acq: 08 May 2018 11:13

Tgt Ion: 43 Resp: 48407

Ion Ratio Lower Upper

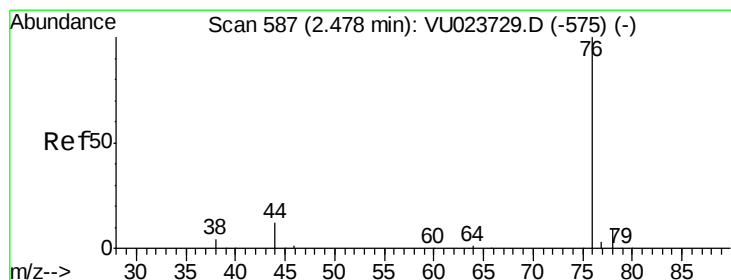
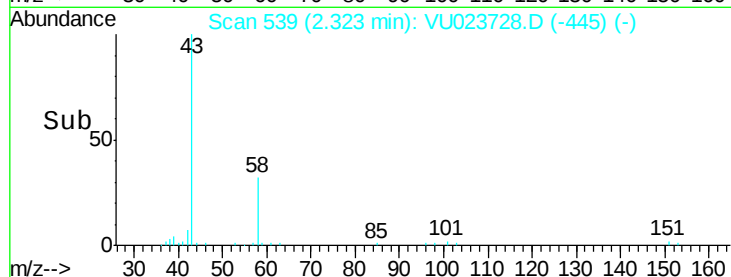
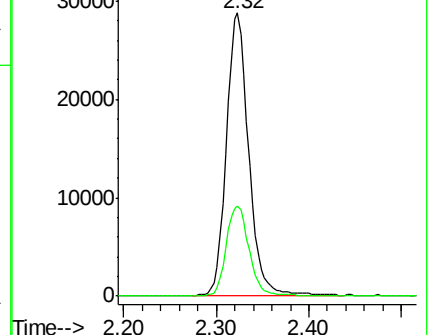
43 100

58 32.3 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 9.47 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU023728.D

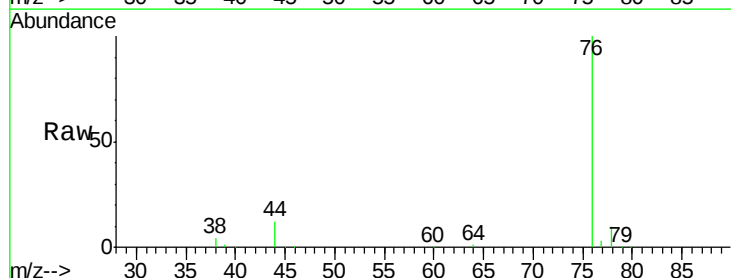
Acq: 08 May 2018 11:13

Tgt Ion: 76 Resp: 79652

Ion Ratio Lower Upper

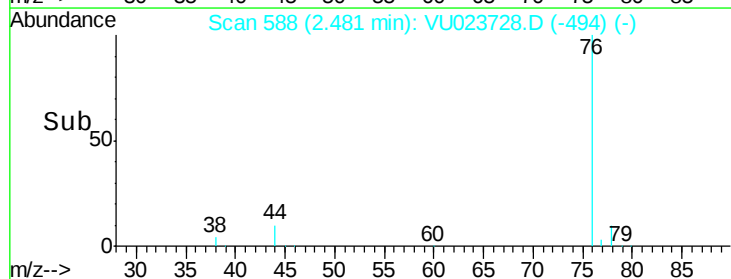
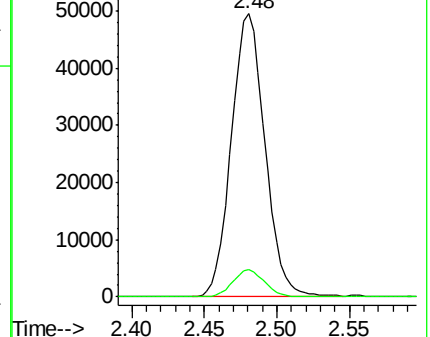
76 100

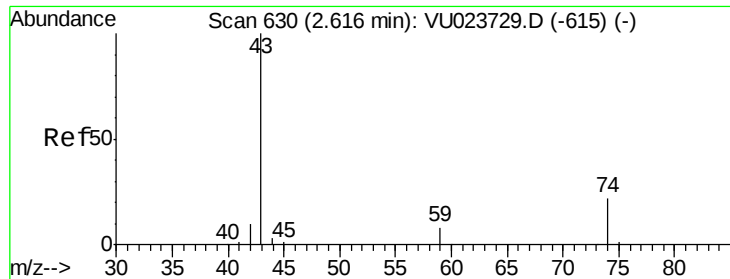
78 9.7 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VU0

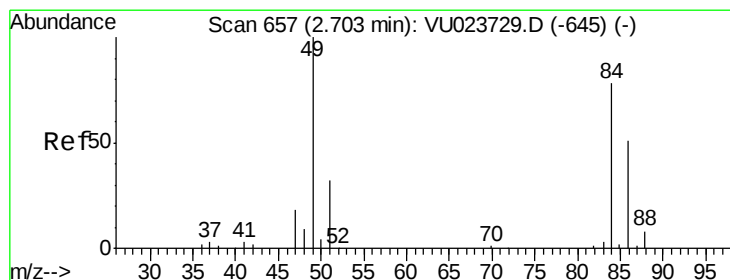
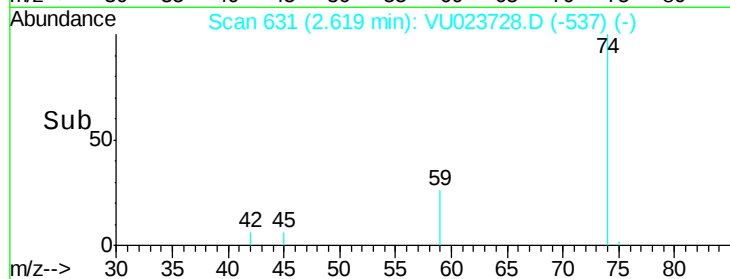
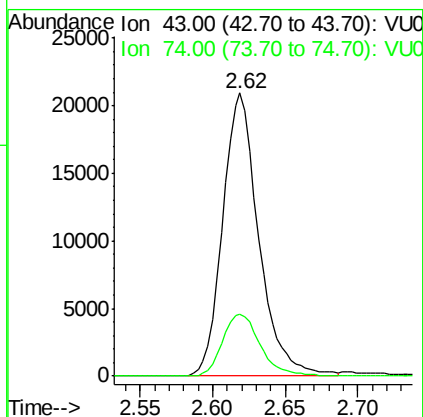
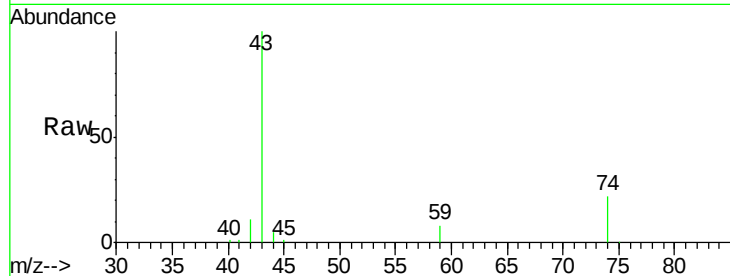
Ion 78.00 (77.70 to 78.70): VU0





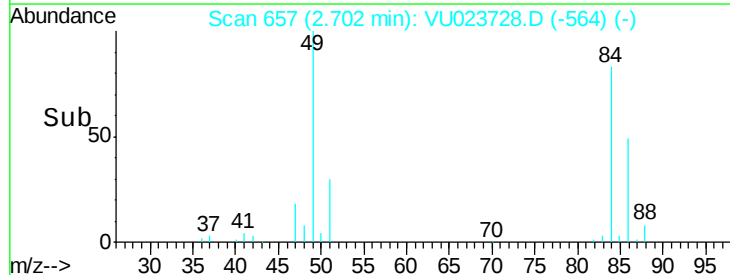
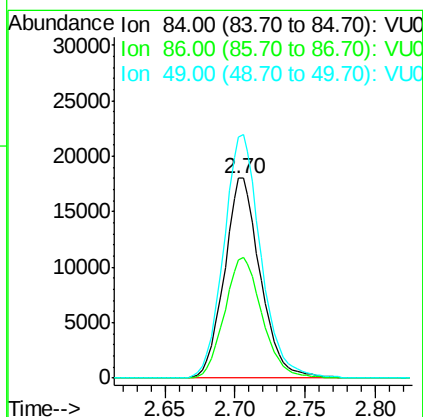
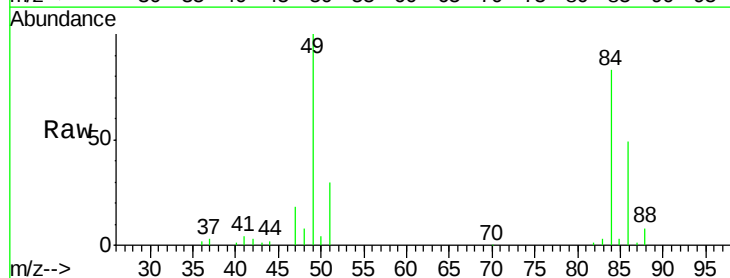
#15
Methyl Acetate
Concen: 10.94 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU023728.D
Acq: 08 May 2018 11:13

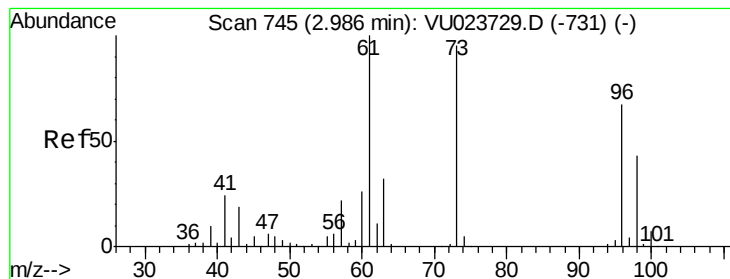
Tgt Ion: 43 Resp: 36141
Ion Ratio Lower Upper
43 100
74 22.7 18.0 27.0



#16
Methylene chloride
Concen: 10.46 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU023728.D
Acq: 08 May 2018 11:13

Tgt Ion: 84 Resp: 32116
Ion Ratio Lower Upper
84 100
86 59.2 45.8 85.2
49 120.7 90.4 167.8





#17

trans-1,2-Dichloroethene

Concen: 10.27 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU023728.D

Acq: 08 May 2018 11:13

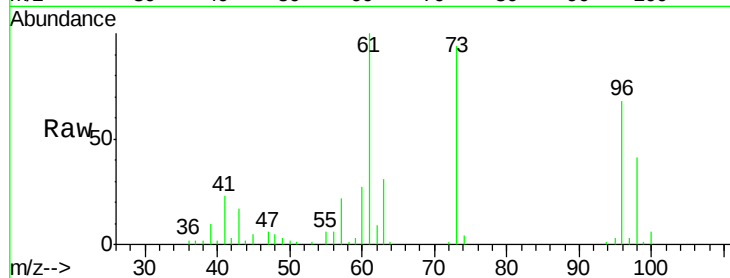
Tgt Ion: 96 Resp: 27702

Ion Ratio Lower Upper

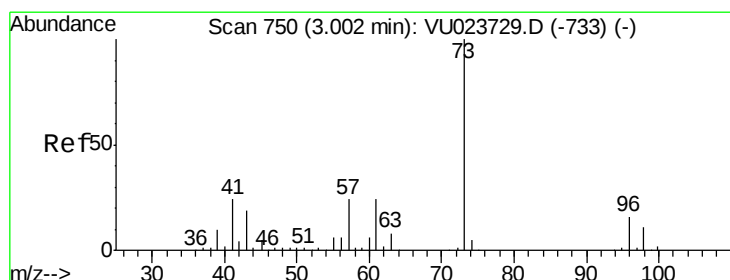
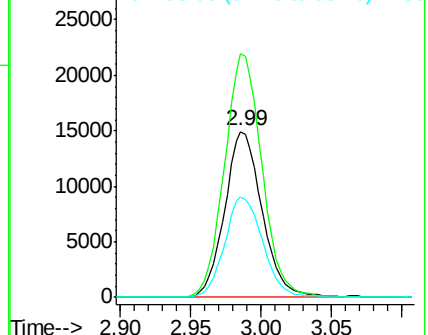
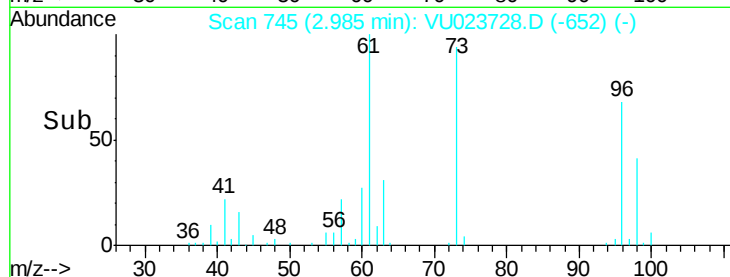
96 100

61 146.8 103.7 192.7

98 60.7 44.4 82.5



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



#18

Methyl tert-butyl Ether

Concen: 10.67 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU023728.D

Acq: 08 May 2018 11:13

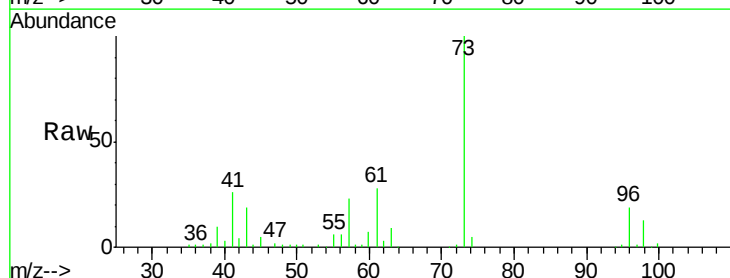
Tgt Ion: 73 Resp: 85790

Ion Ratio Lower Upper

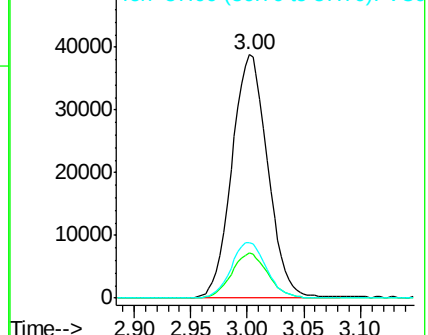
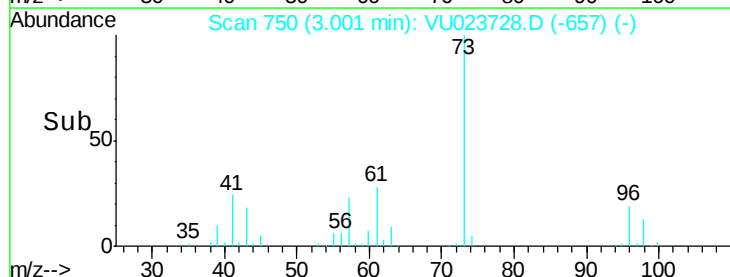
73 100

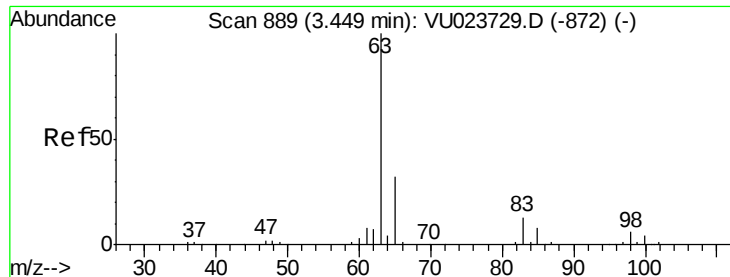
43 18.5 15.4 23.0

57 22.5 18.6 27.8



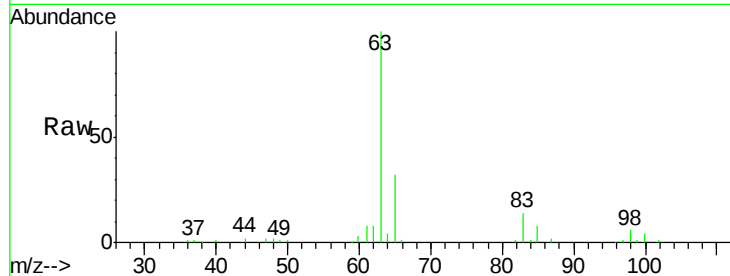
Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



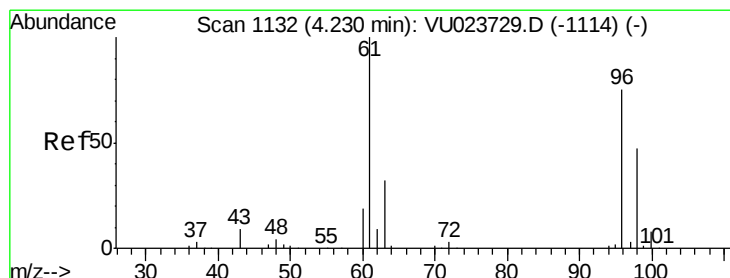
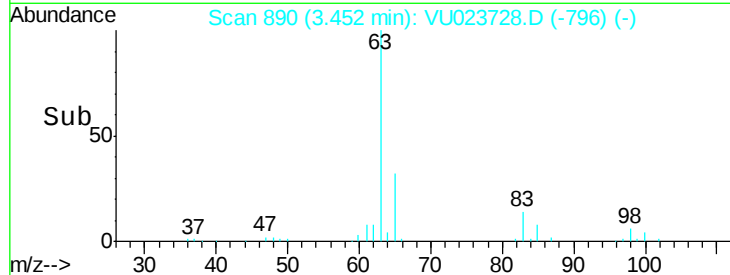
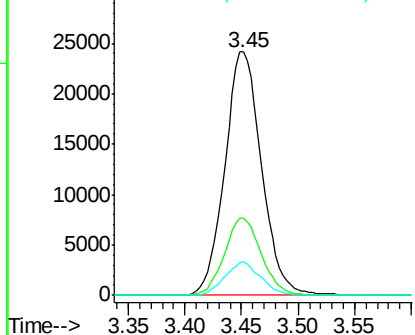


#19
 1,1-Dichloroethane
 Concen: 10.21 ug/L
 RT: 3.45 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VU023728.D
 Acq: 08 May 2018 11:13

Tgt Ion: 63 Resp: 54606
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.4 41.6
 83 13.7 9.2 17.2

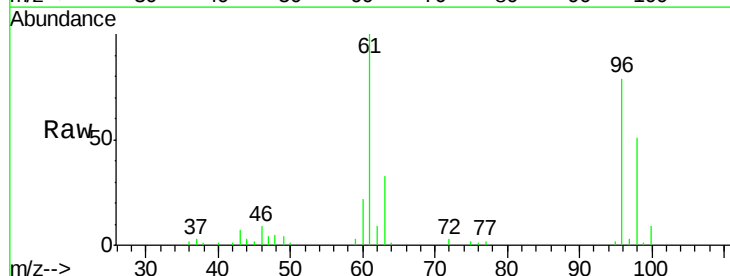


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

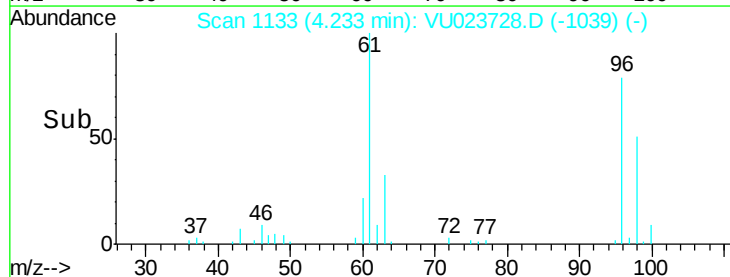
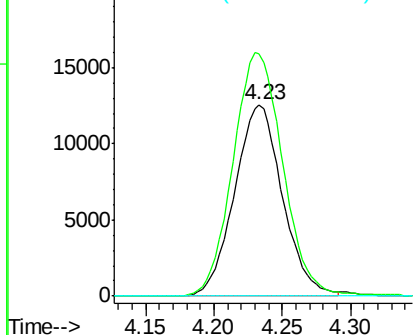


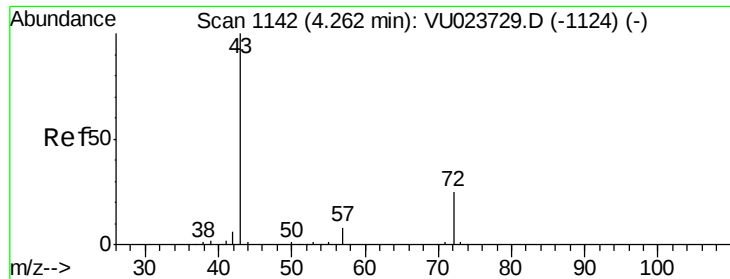
#20
 cis-1,2-Dichloroethene
 Concen: 10.16 ug/L
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU023728.D
 Acq: 08 May 2018 11:13

Tgt Ion: 96 Resp: 30563
 Ion Ratio Lower Upper
 96 100
 61 126.3 93.9 174.5
 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: 19.83 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU023728.D

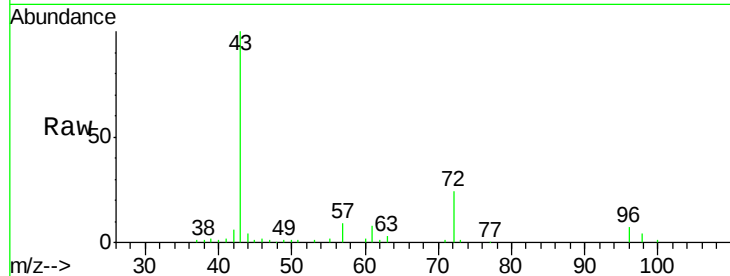
Acq: 08 May 2018 11:13

Tgt Ion: 43 Resp: 54377

Ion Ratio Lower Upper

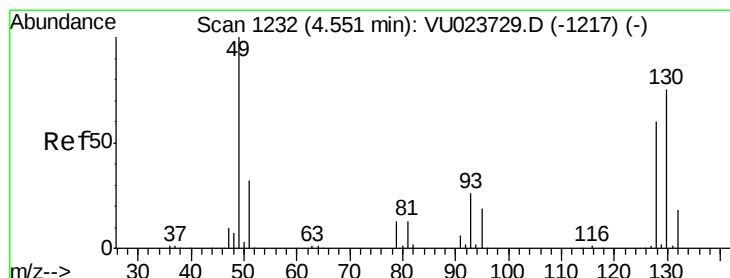
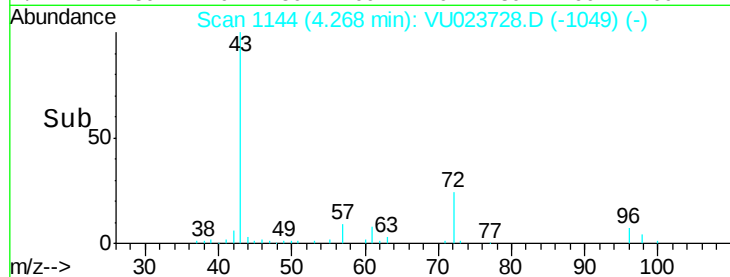
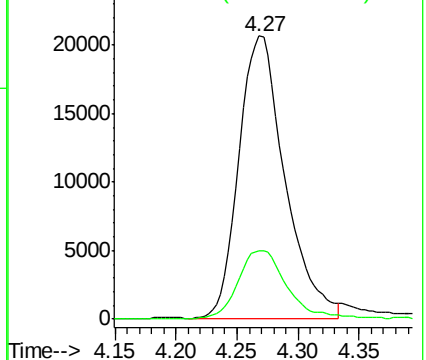
43 100

72 25.6 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 10.25 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU023728.D

Acq: 08 May 2018 11:13

Tgt Ion: 128 Resp: 15529

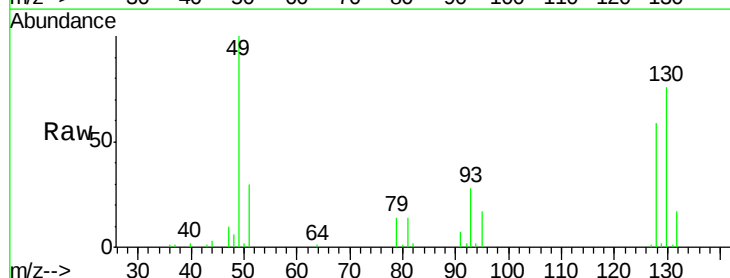
Ion Ratio Lower Upper

128 100

49 170.1 116.1 215.7

130 129.7 86.6 160.8

51 51.2 42.6 63.8

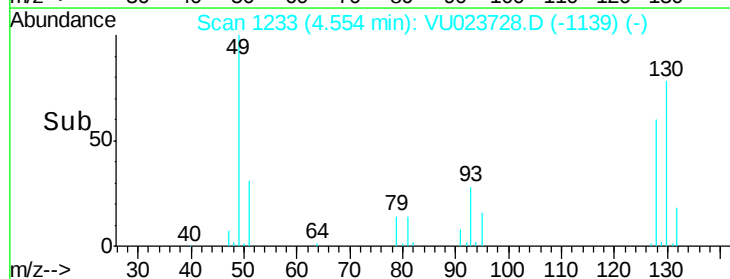
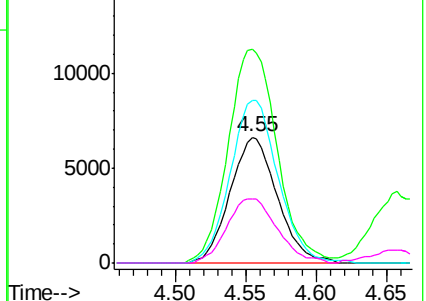


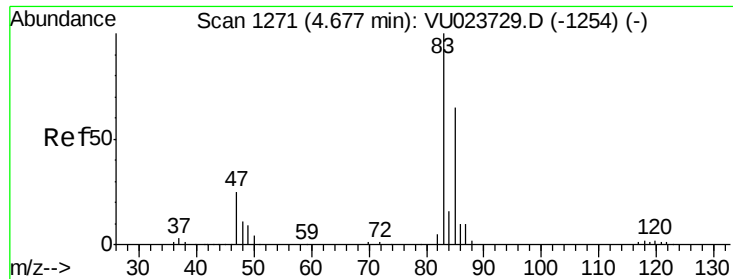
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

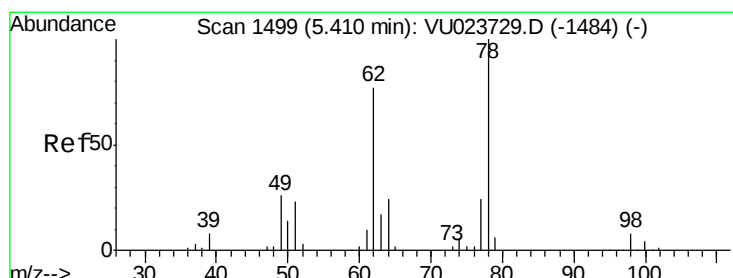
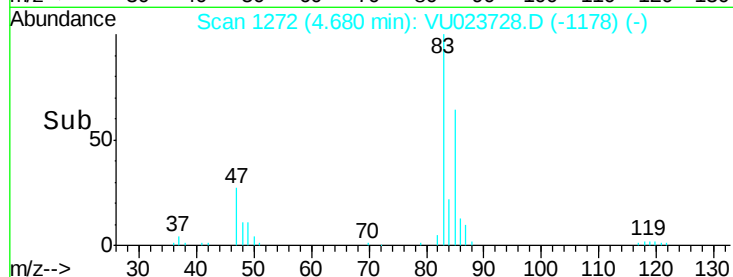
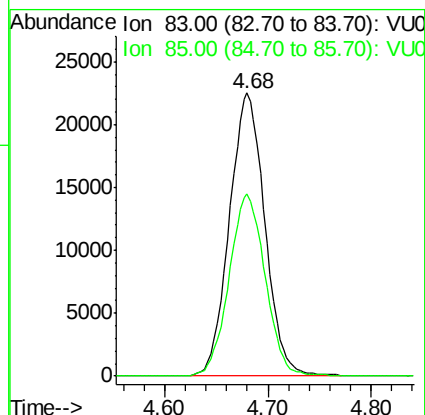
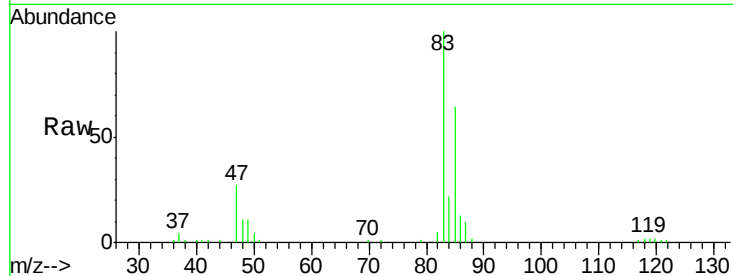
Ion 51.00 (50.70 to 51.70): VU0





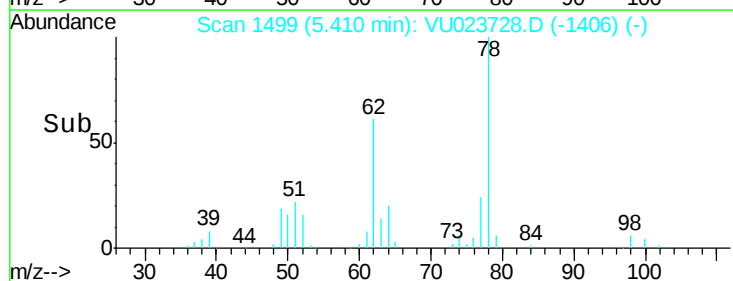
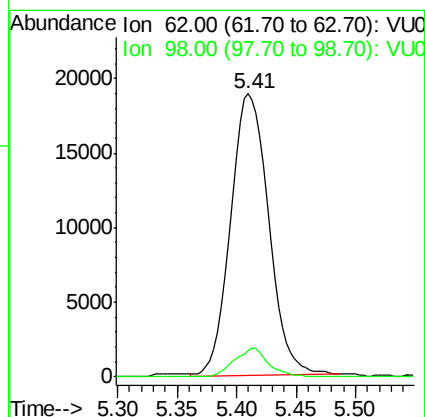
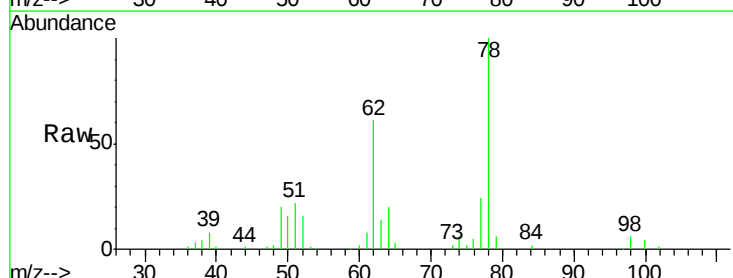
#25
Chloroform
Concen: 9.88 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU023728.D
Acq: 08 May 2018 11:13

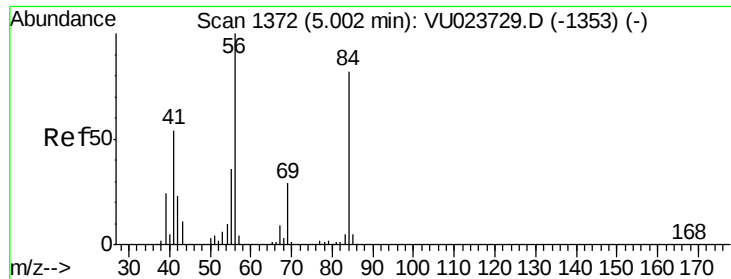
Tgt Ion: 83 Resp: 53859
Ion Ratio Lower Upper
83 100
85 64.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 10.33 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU023728.D
Acq: 08 May 2018 11:13

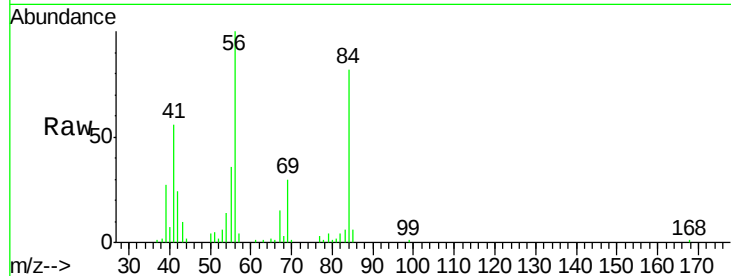
Tgt Ion: 62 Resp: 42034
Ion Ratio Lower Upper
62 100
98 9.2 7.8 11.8



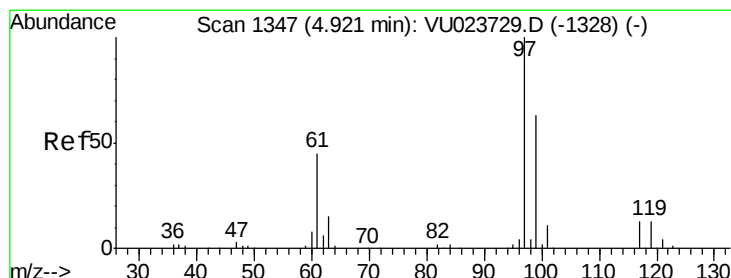
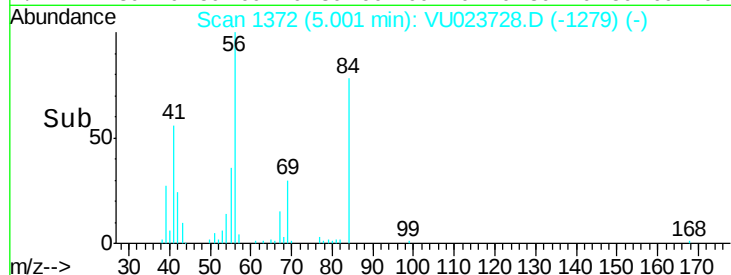
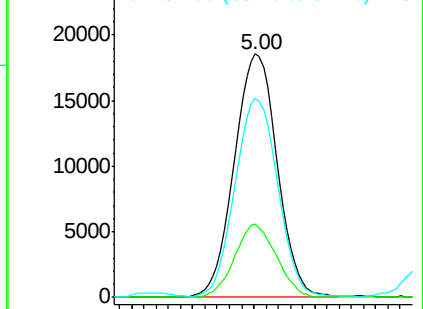


#29
Cyclohexane
Concen: 9.65 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU023728.D
Acq: 08 May 2018 11:13

Tgt Ion:	56	Resp:	45284
Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.6	35.4
84	81.3	65.8	98.8

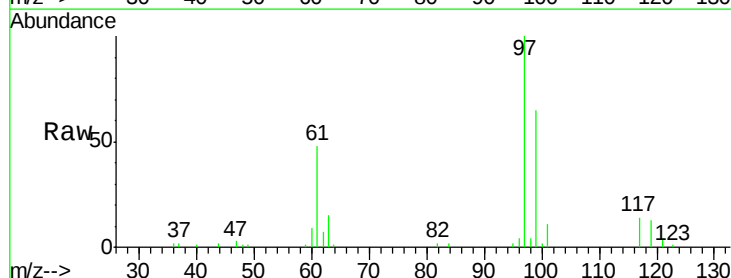


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

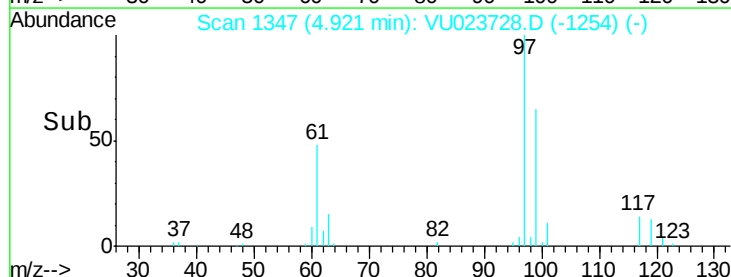
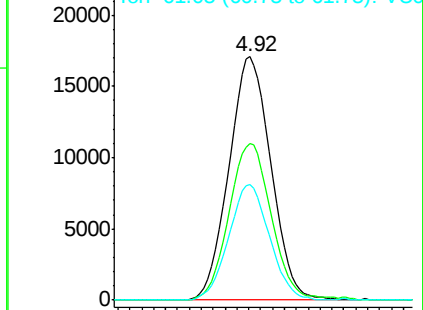


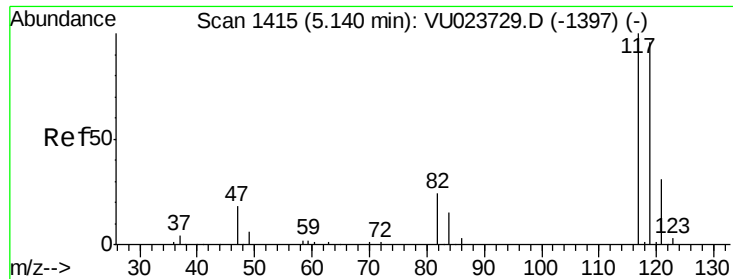
#30
1,1,1-Trichloroethane
Concen: 10.25 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU023728.D
Acq: 08 May 2018 11:13

Tgt Ion:	97	Resp:	41745
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	46.1	36.5	54.7



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 10.00 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU023728.D

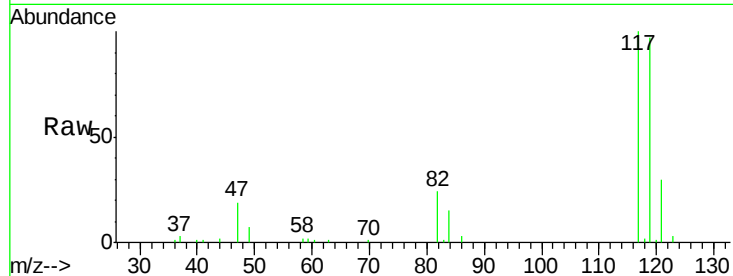
Acq: 08 May 2018 11:13

Tgt Ion: 117 Resp: 35368

Ion Ratio Lower Upper

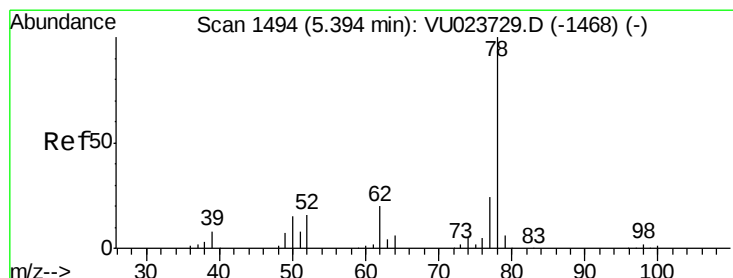
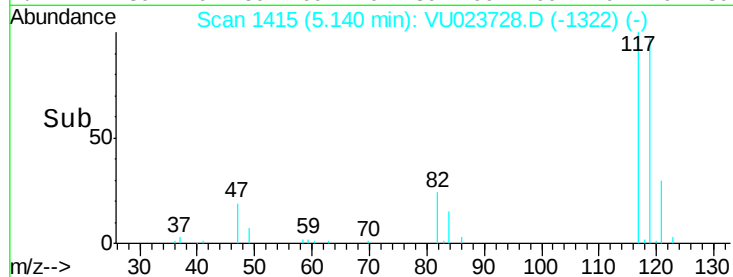
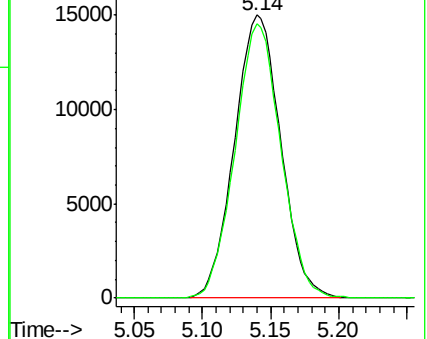
117 100

119 95.8 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 10.46 ug/L

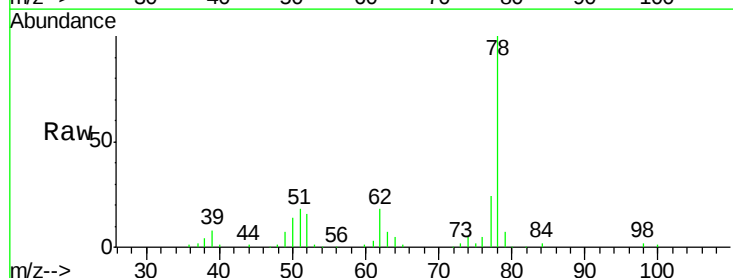
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

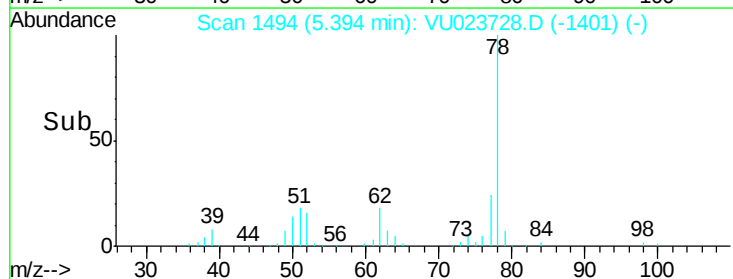
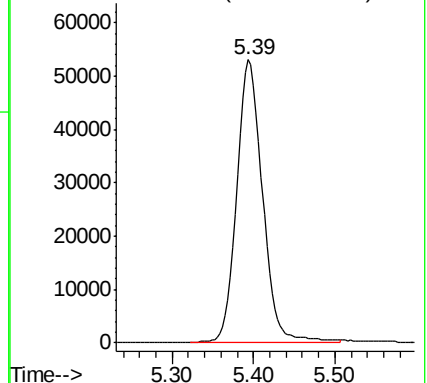
Lab File: VU023728.D

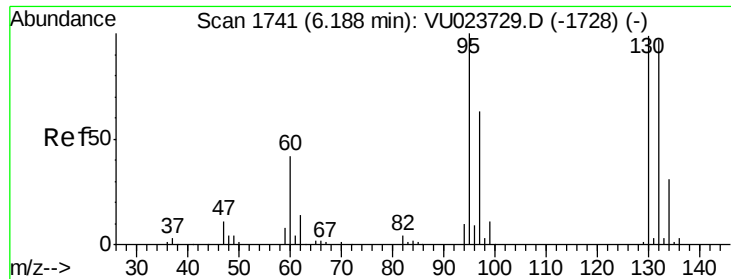
Acq: 08 May 2018 11:13

Tgt Ion: 78 Resp: 117783



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 10.31 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU023728.D

Acq: 08 May 2018 11:13

Tgt Ion: 95 Resp: 29946

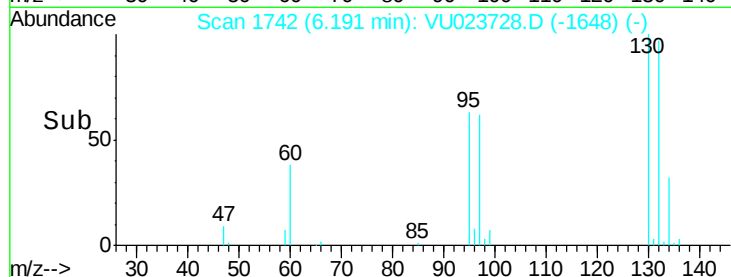
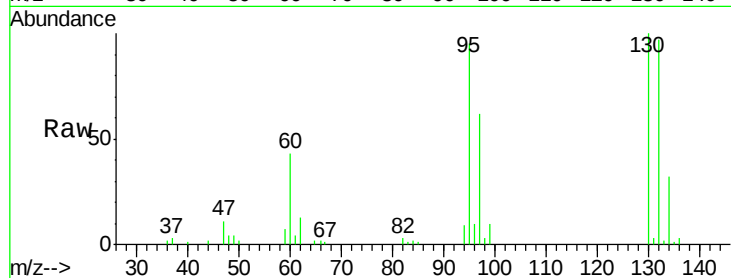
Ion Ratio Lower Upper

95 100

97 65.1 44.2 82.2

132 101.6 67.8 125.8

130 104.8 69.6 129.2

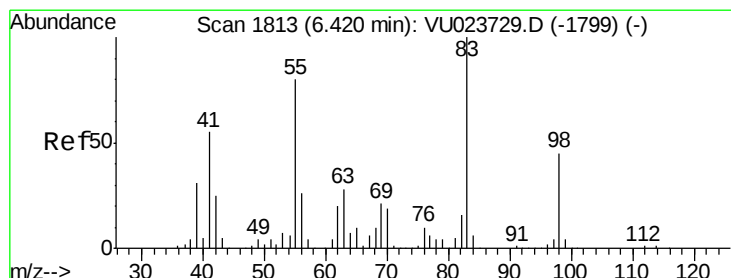
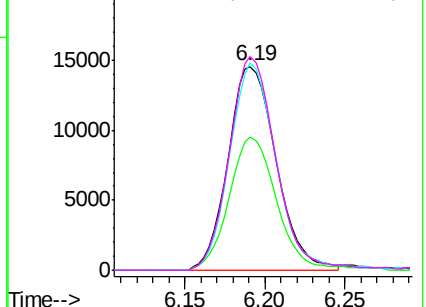


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 9.68 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU023728.D

Acq: 08 May 2018 11:13

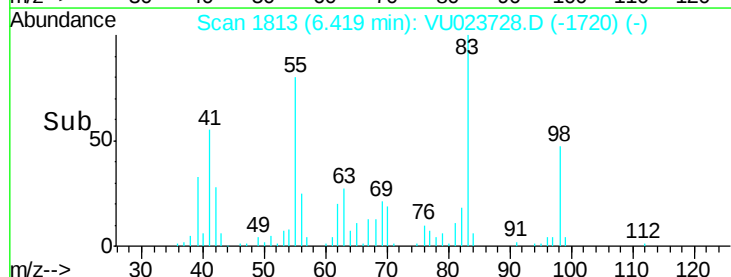
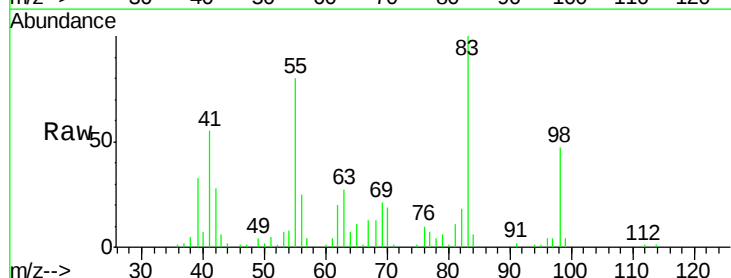
Tgt Ion: 83 Resp: 43513

Ion Ratio Lower Upper

83 100

55 82.9 64.8 97.2

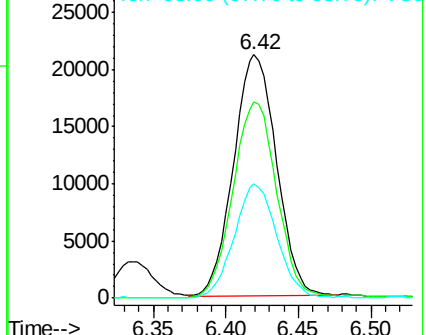
98 47.0 36.7 55.1

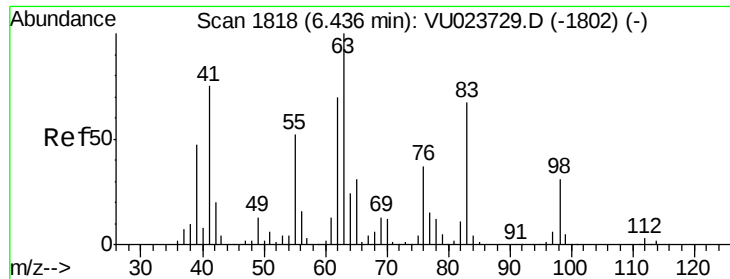


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 10.18 ug/L

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU023728.D

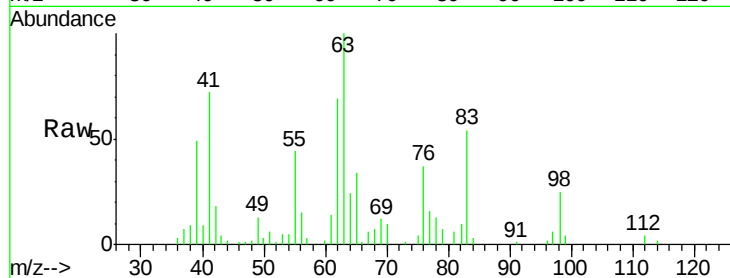
Acq: 08 May 2018 11:13

Tgt Ion: 63 Resp: 33023

Ion Ratio Lower Upper

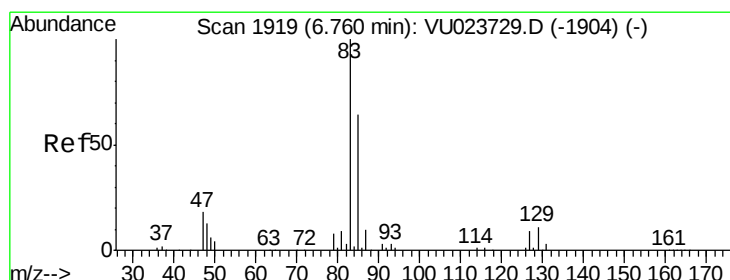
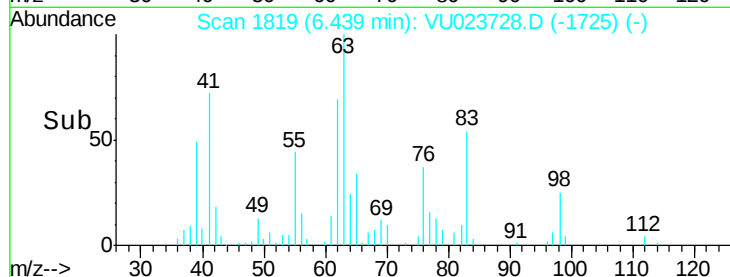
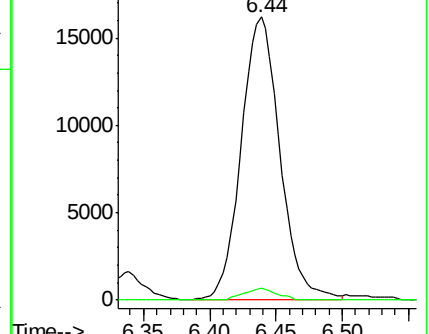
63 100

112 3.5 2.8 4.2



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 10.61 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU023728.D

Acq: 08 May 2018 11:13

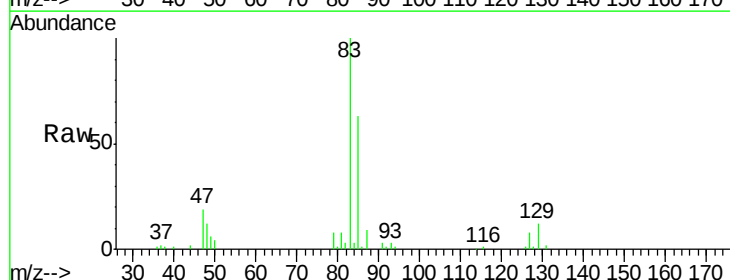
Tgt Ion: 83 Resp: 38911

Ion Ratio Lower Upper

83 100

85 63.0 44.4 82.4

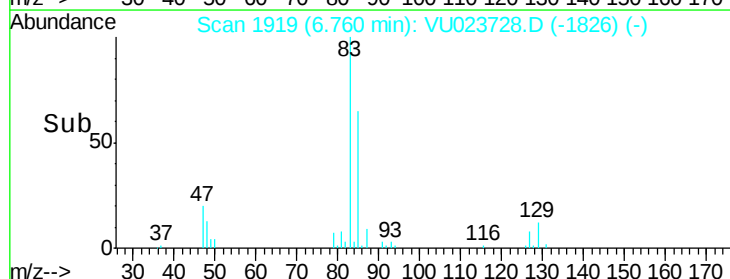
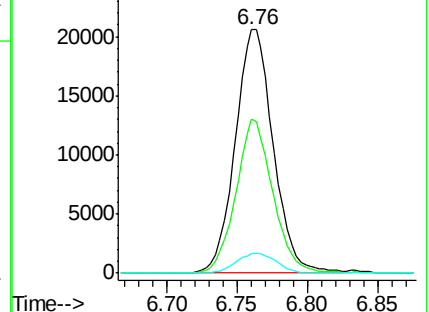
127 7.9 6.9 10.3

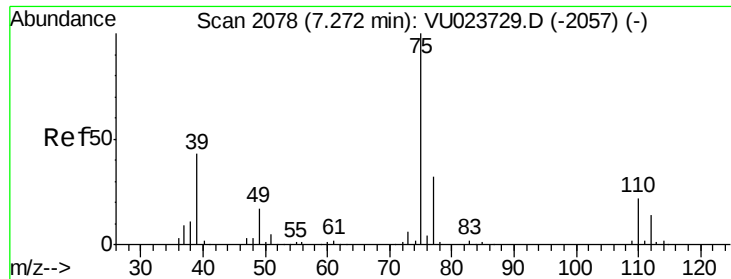


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

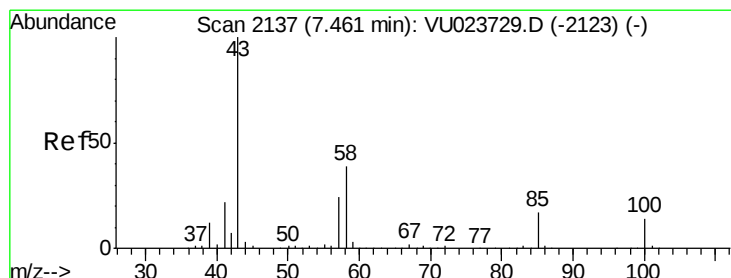
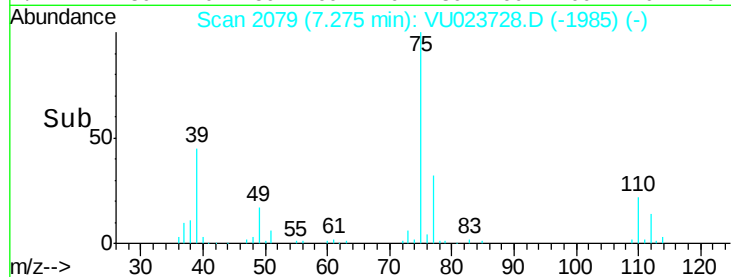
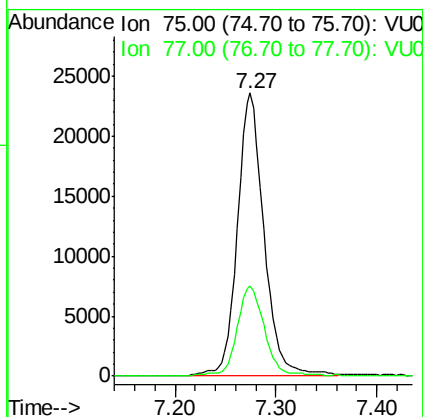
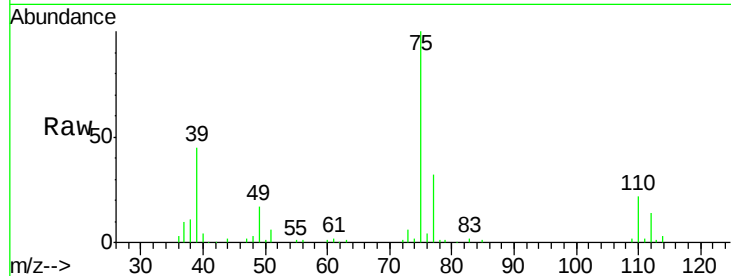
Ion 127.00 (126.70 to 127.70): V





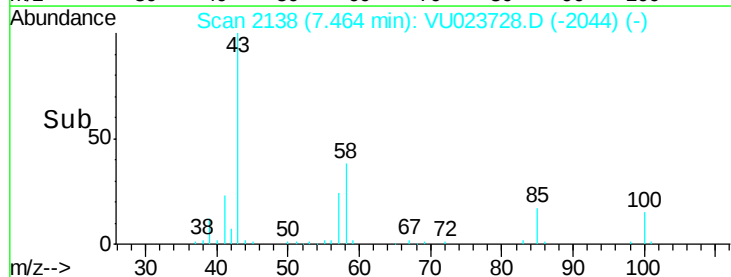
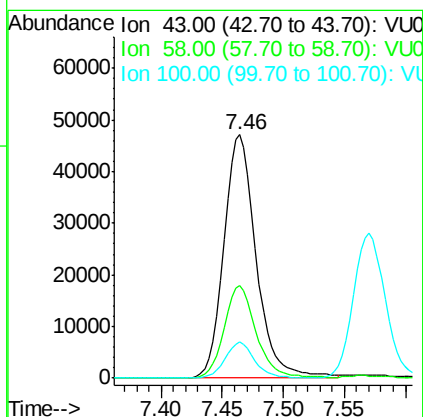
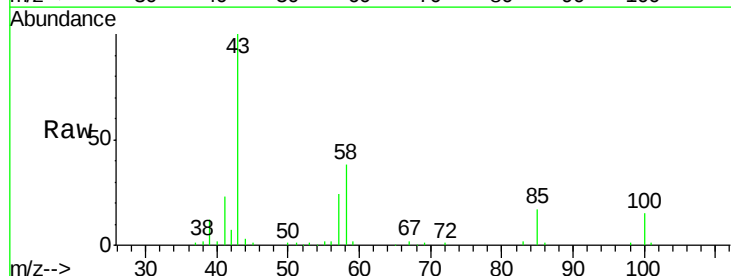
#39
 cis-1,3-Dichloropropene
 Concen: 9.69 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU023728.D
 Acq: 08 May 2018 11:13

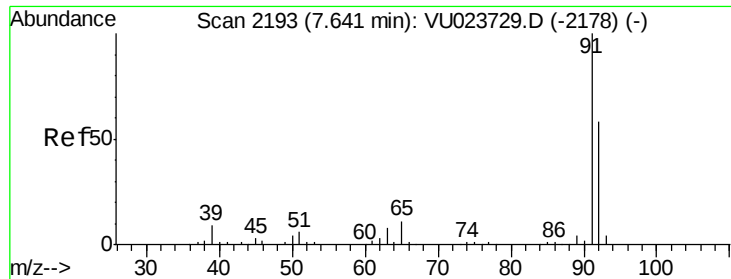
Tgt Ion: 75 Resp: 43305
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 21.84 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU023728.D
 Acq: 08 May 2018 11:13

Tgt Ion: 43 Resp: 87646
 Ion Ratio Lower Upper
 43 100
 58 37.7 31.3 46.9
 100 13.5 11.2 16.8





#42

Toluene

Concen: 10.34 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU023728.D

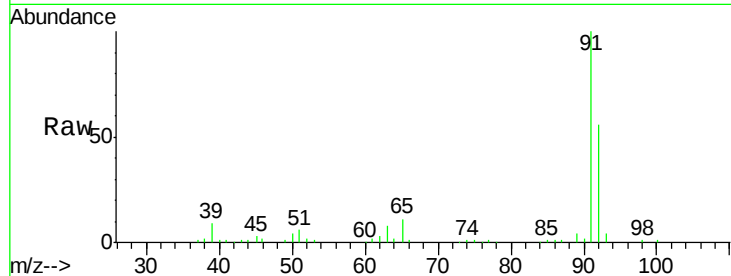
Acq: 08 May 2018 11:13

Tgt Ion: 91 Resp: 120920

Ion Ratio Lower Upper

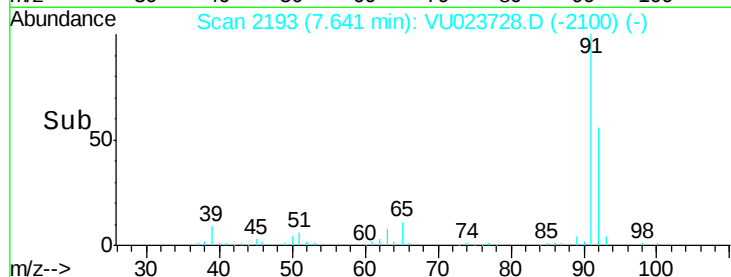
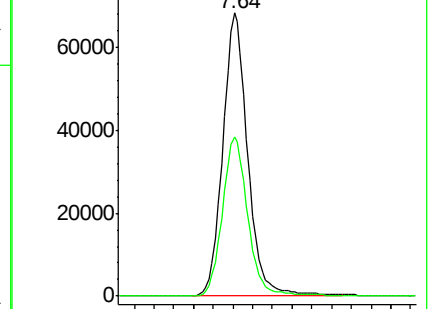
91 100

92 56.2 40.9 76.0

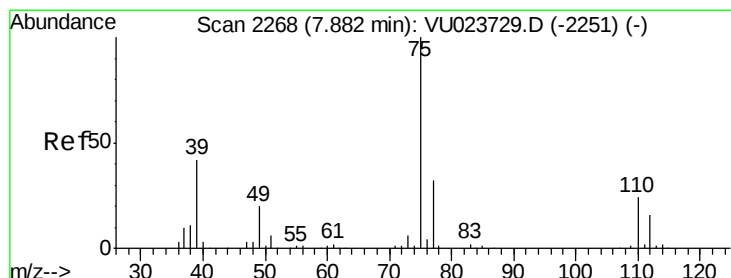


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 9.75 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU023728.D

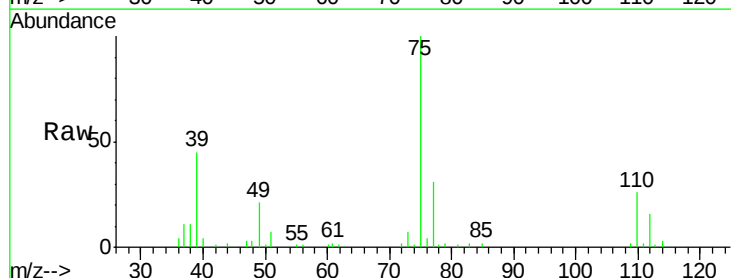
Acq: 08 May 2018 11:13

Tgt Ion: 75 Resp: 38824

Ion Ratio Lower Upper

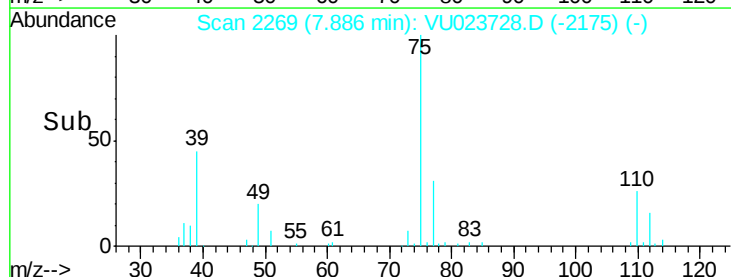
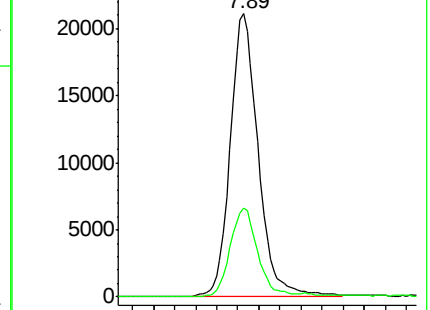
75 100

77 31.2 22.0 41.0

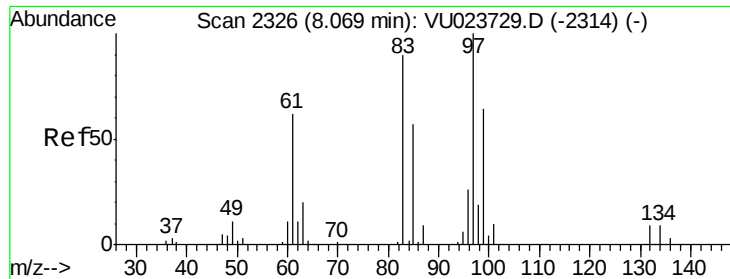


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->



#45

1,1,2-Trichloroethane

Concen: 10.58 ug/L

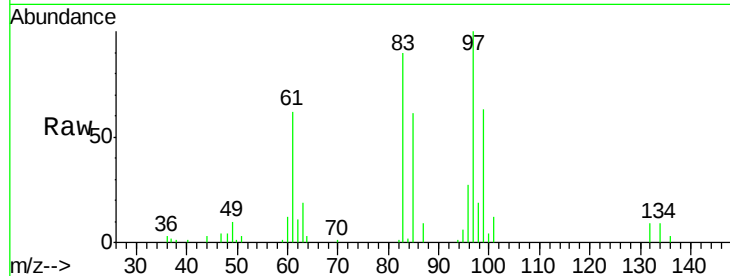
RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU023728.D

Acq: 08 May 2018 11:13

Tgt Ion:	97	Resp:	29316
Ion	Ratio	Lower	Upper
97	100		
99	63.1	45.0	83.6
83	89.9	63.1	117.3
85	60.5	40.2	74.6



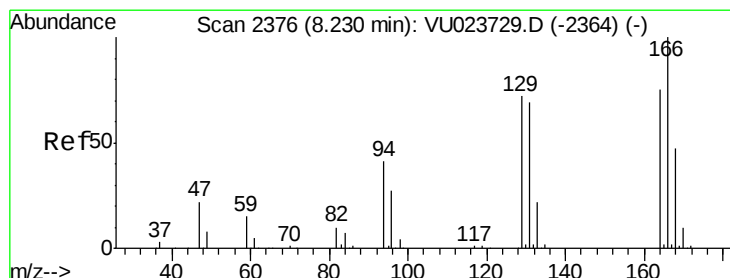
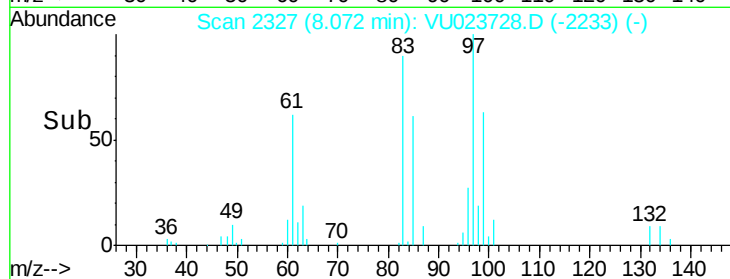
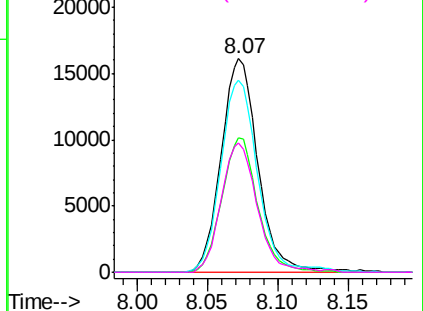
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 10.44 ug/L

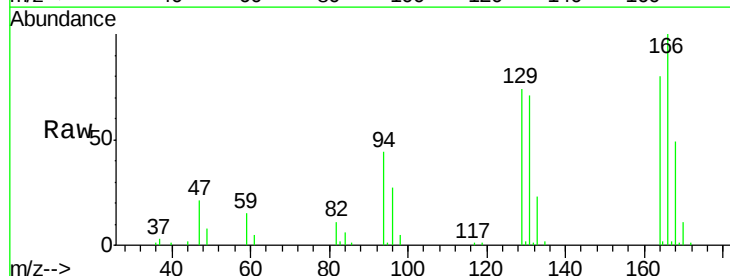
RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU023728.D

Acq: 08 May 2018 11:13

Tgt Ion:	164	Resp:	24584
Ion	Ratio	Lower	Upper
164	100		
129	92.4	66.9	124.3
131	89.5	63.6	118.0
166	125.8	93.0	172.6



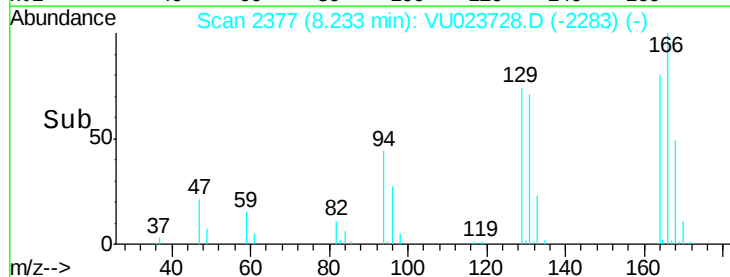
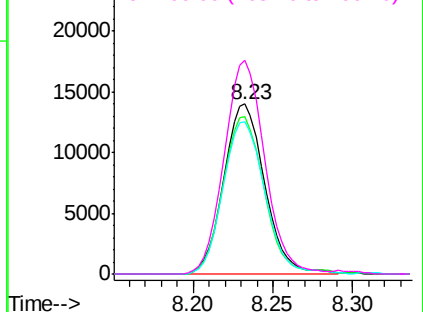
Abundance

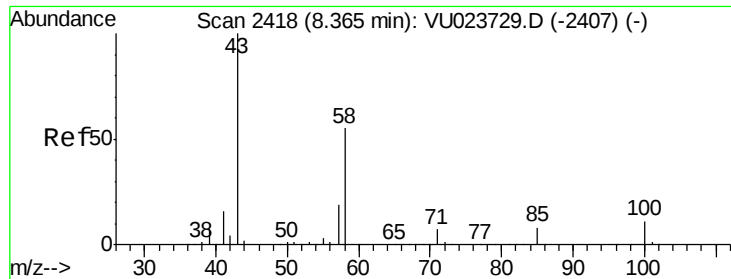
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

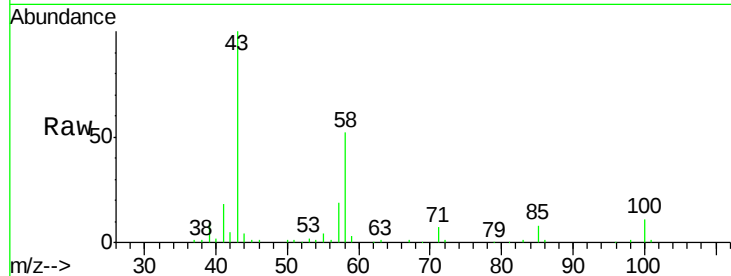
Ion 166.00 (165.70 to 166.70): V



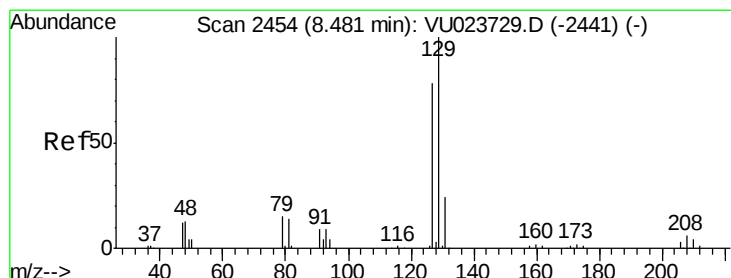
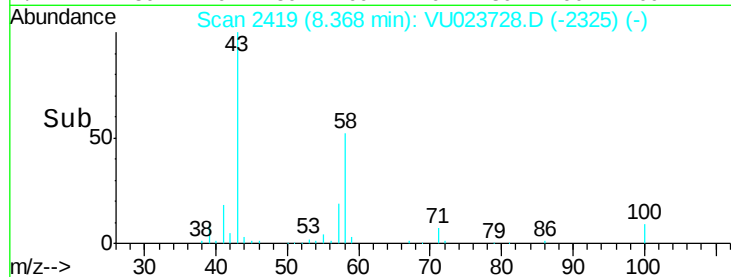
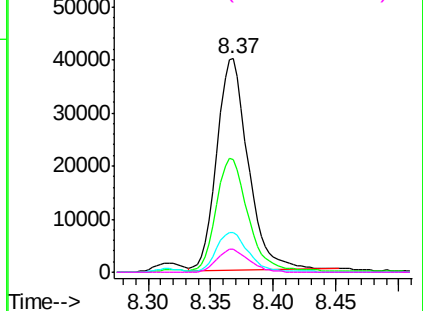


#48
2-Hexanone
Concen: 20.05 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU023728.D
Acq: 08 May 2018 11:13

Tgt Ion:	43	Resp:	69535
Ion	Ratio	Lower	Upper
43	100		
58	53.4	43.4	65.0
57	18.1	15.0	22.4
100	11.0	8.7	13.1

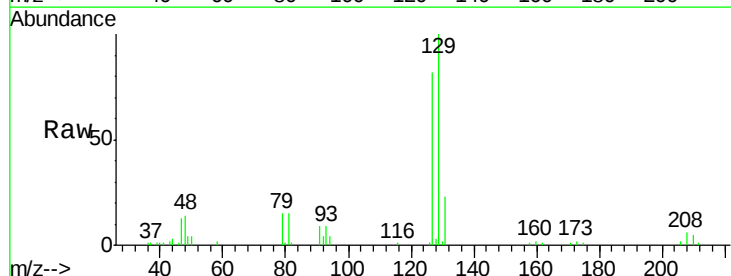


Abundance Ion 43.00 (42.70 to 43.70): VU023728.D (-2325) (-)
Ion 58.00 (57.70 to 58.70): VU023728.D (-2325) (-)
Ion 57.00 (56.70 to 57.70): VU023728.D (-2325) (-)
Ion 100.00 (99.70 to 100.70): VU023728.D (-2325) (-)

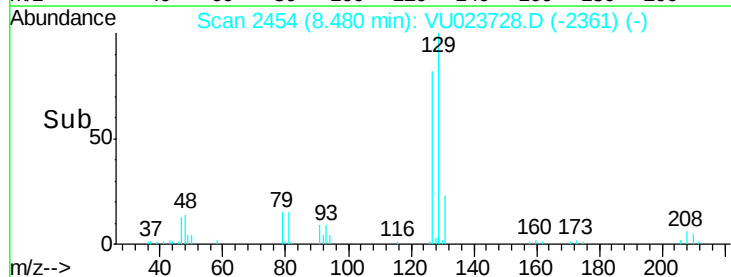
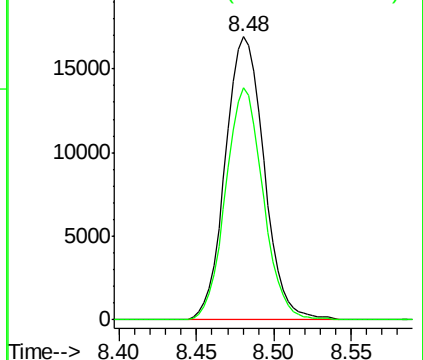


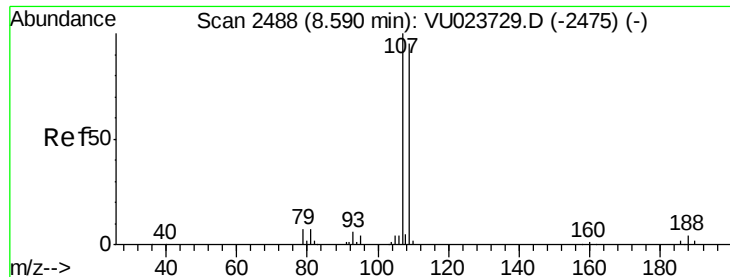
#49
Dibromochloromethane
Concen: 10.10 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU023728.D
Acq: 08 May 2018 11:13

Tgt Ion:	129	Resp:	29448
Ion	Ratio	Lower	Upper
129	100		
127	82.0	54.8	101.8



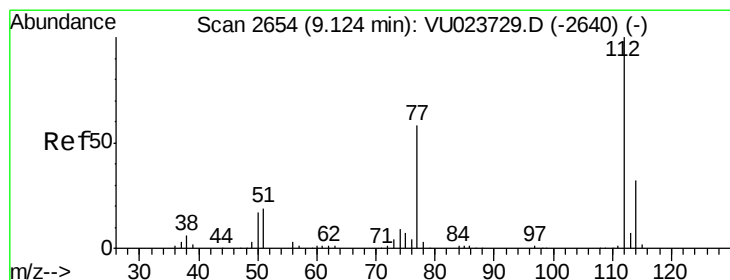
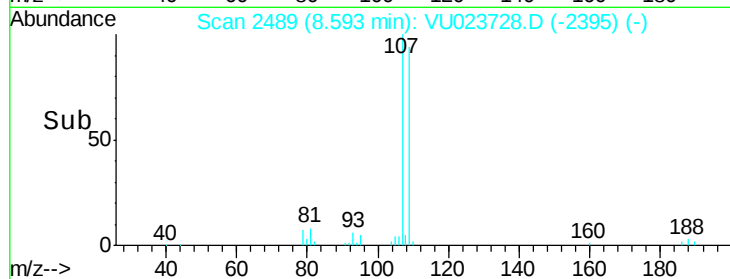
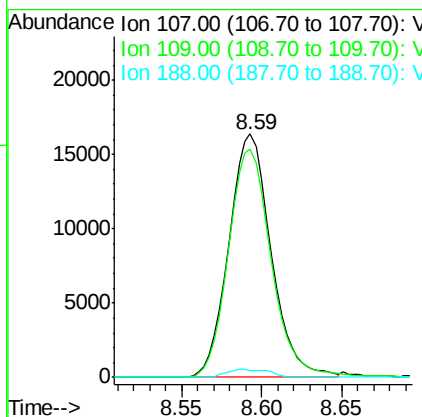
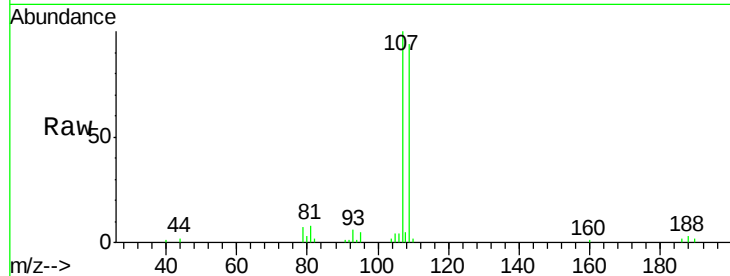
Abundance Ion 129.00 (128.70 to 129.70): VU023728.D (-2361) (-)
Ion 127.00 (126.70 to 127.70): VU023728.D (-2361) (-)





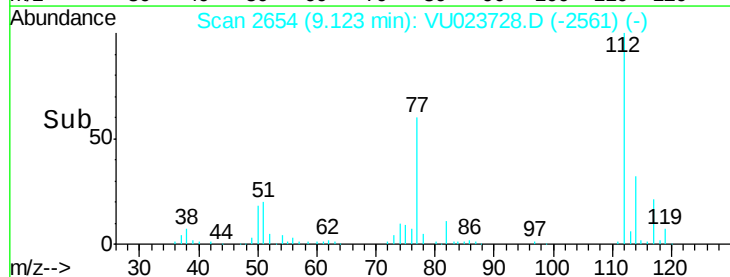
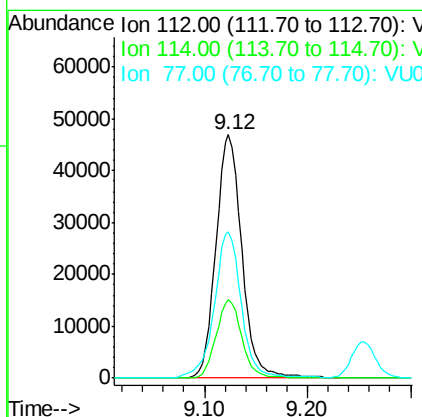
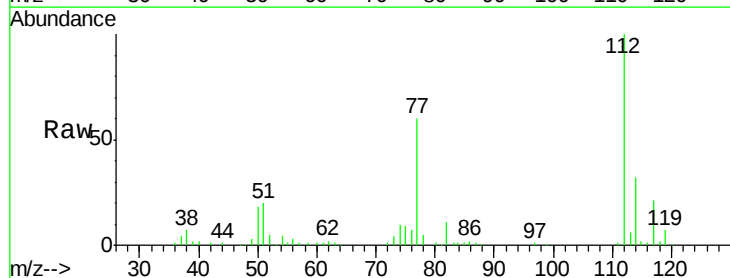
#50
1,2-Dibromoethane
Concen: 10.46 ug/L
RT: 8.59 min Scan# 2489
Delta R.T. 0.00 min
Lab File: VU023728.D
Acq: 08 May 2018 11:13

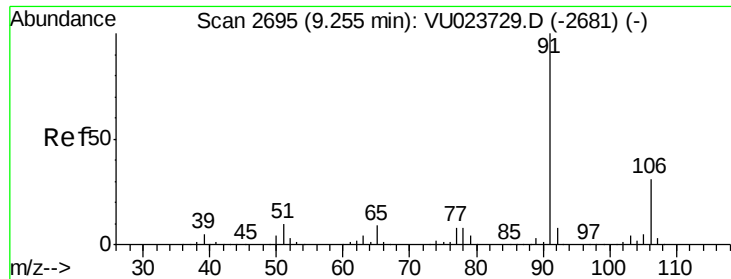
Tgt Ion:107 Resp: 29439
Ion Ratio Lower Upper
107 100
109 93.6 66.4 123.2
188 2.8 3.1 4.7#



#51
Chlorobenzene
Concen: 10.48 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU023728.D
Acq: 08 May 2018 11:13

Tgt Ion:112 Resp: 82104
Ion Ratio Lower Upper
112 100
114 32.0 22.6 42.0
77 59.9 46.9 70.3





#52

Ethylbenzene

Concen: 10.23 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU023728.D

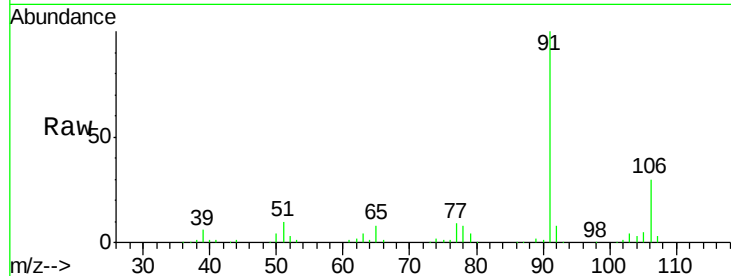
Acq: 08 May 2018 11:13

Tgt Ion: 91 Resp: 130133

Ion Ratio Lower Upper

91 100

106 30.4 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VU023728.D (-2681) (-)

Ion 106.00 (105.70 to 106.70): VU023728.D (-2681) (-)

80000

60000

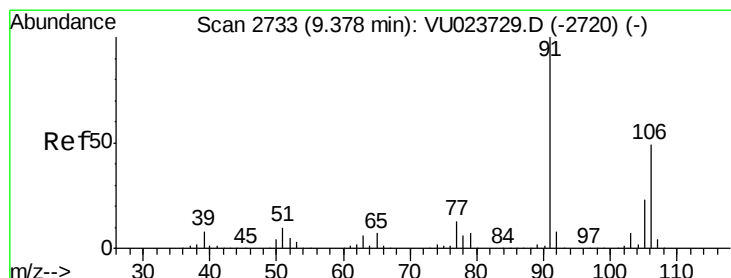
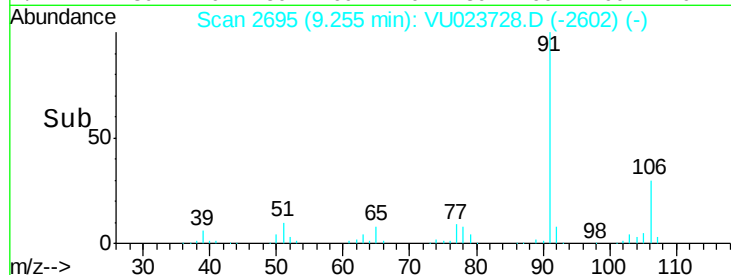
40000

20000

0

9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 10.11 ug/L

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU023728.D

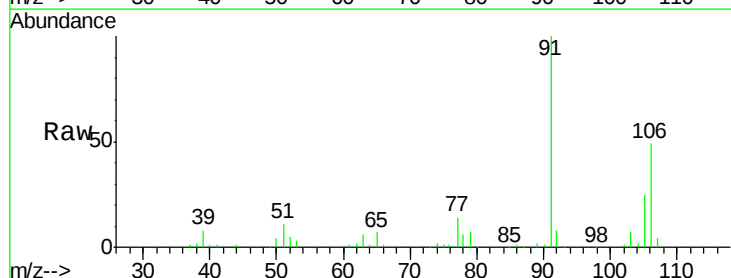
Acq: 08 May 2018 11:13

Tgt Ion: 106 Resp: 48922

Ion Ratio Lower Upper

106 100

91 202.6 142.2 264.2



Abundance Ion 106.00 (105.70 to 106.70): VU023728.D (-2733) (-)

Ion 91.00 (90.70 to 91.70): VU023728.D (-2733) (-)

60000

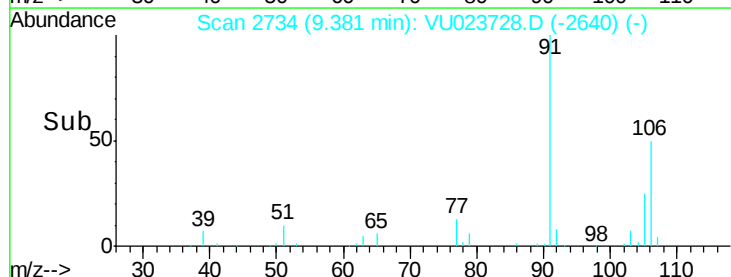
40000

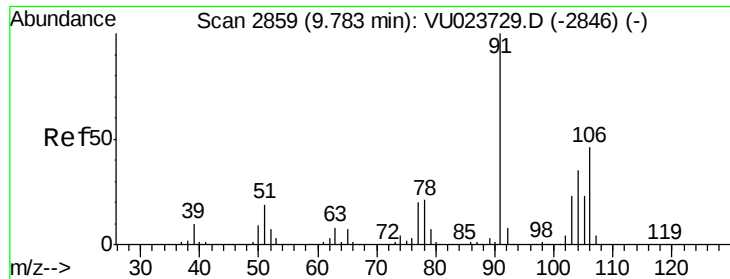
20000

0

9.30 9.35 9.40 9.45 9.50

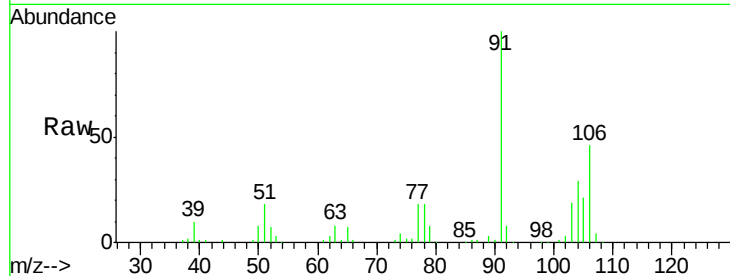
Time-->



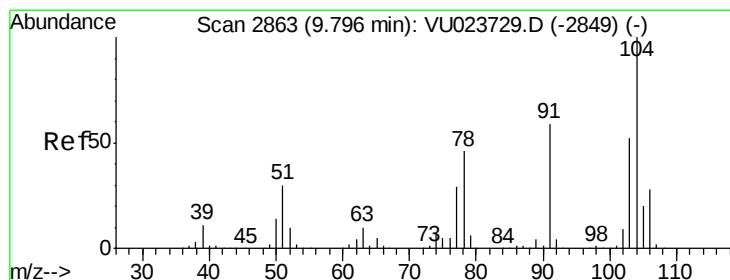
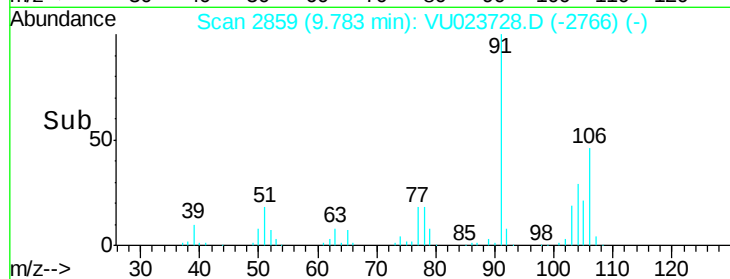
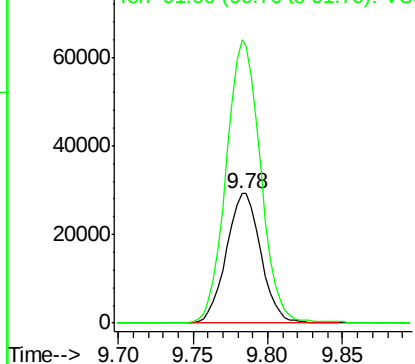


#54
o-xylene
Concen: 10.25 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU023728.D
Acq: 08 May 2018 11:13

Tgt Ion:106 Resp: 47160
Ion Ratio Lower Upper
106 100
91 218.2 152.6 283.4

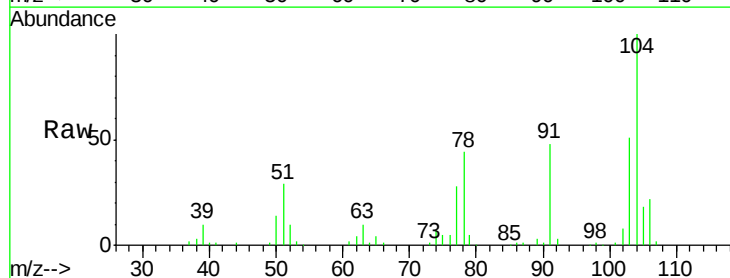


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

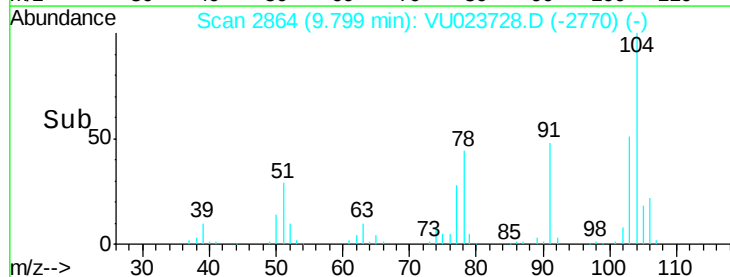
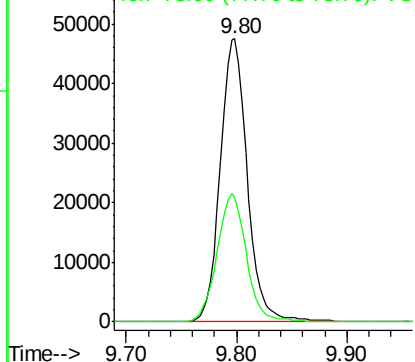


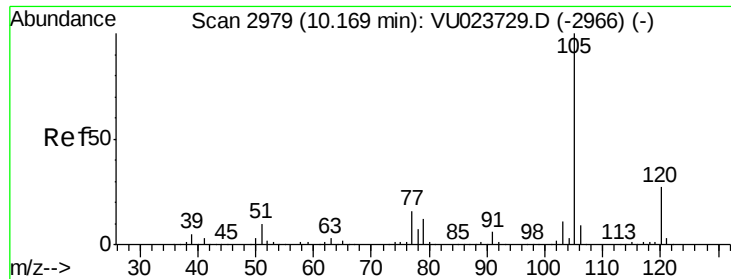
#55
Styrene
Concen: 10.06 ug/L
RT: 9.80 min Scan# 2864
Delta R.T. 0.00 min
Lab File: VU023728.D
Acq: 08 May 2018 11:13

Tgt Ion:104 Resp: 80958
Ion Ratio Lower Upper
104 100
78 44.0 32.1 59.5



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





#56

Isopropylbenzene

Concen: 10.32 ug/L

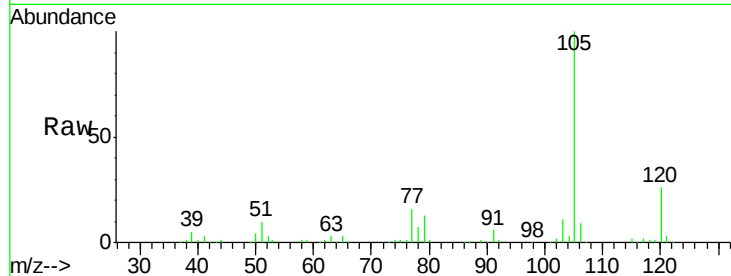
RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU023728.D

Acq: 08 May 2018 11:13

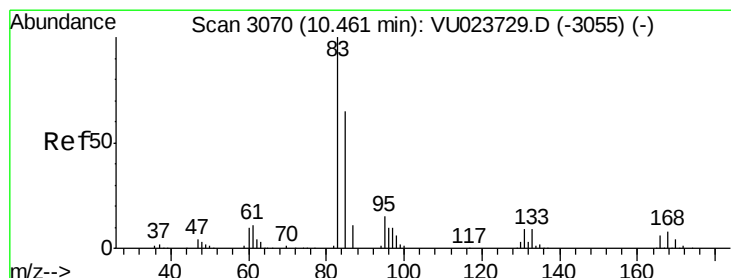
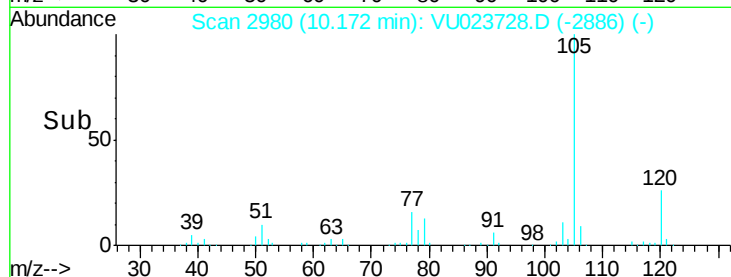
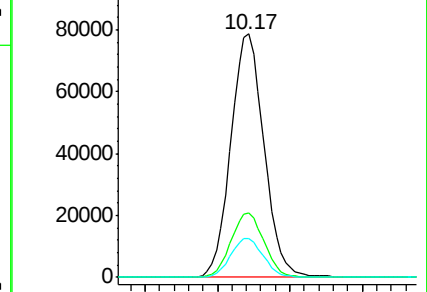
Tgt Ion:	105	Resp:	125094
Ion Ratio	Lower	Upper	
105	100		
120	26.4	21.3	31.9
77	15.8	12.3	18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 11.07 ug/L

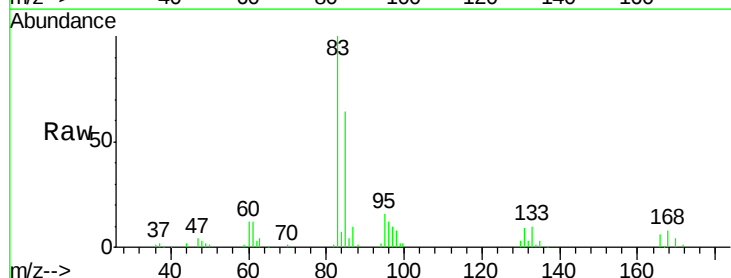
RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU023728.D

Acq: 08 May 2018 11:13

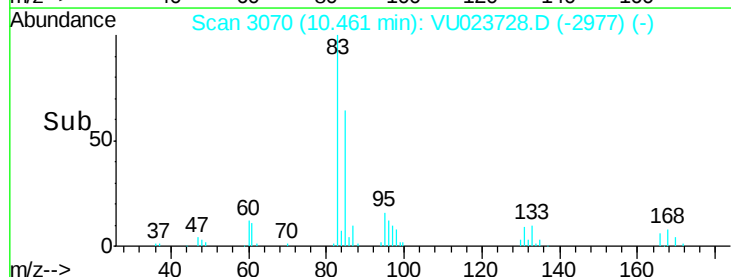
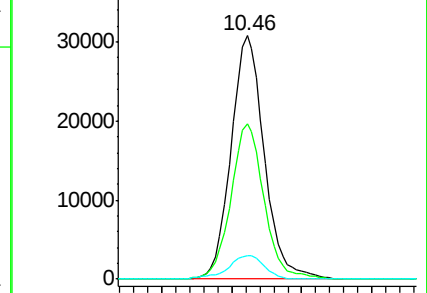
Tgt Ion:	83	Resp:	50661
Ion Ratio	Lower	Upper	
83	100		
85	63.9	45.5	84.5
131	9.4	7.6	11.4

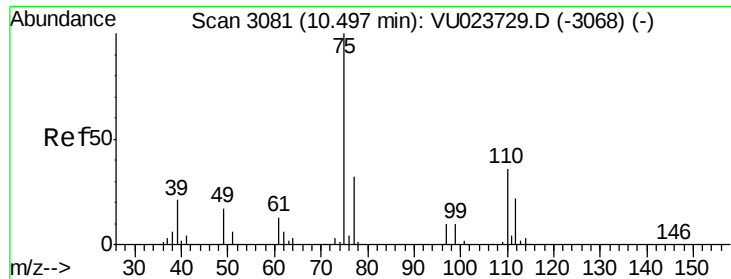


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

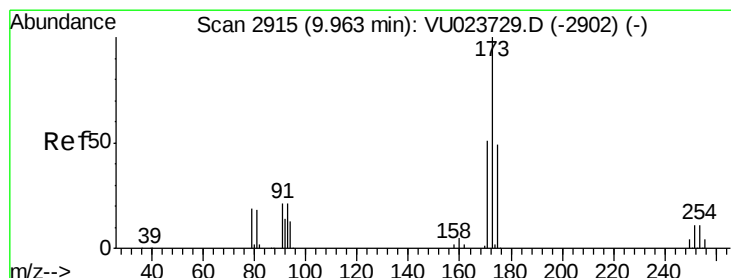
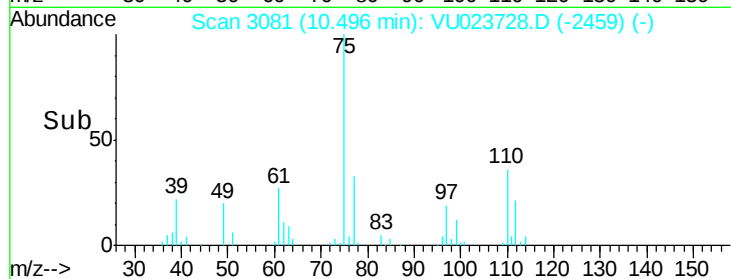
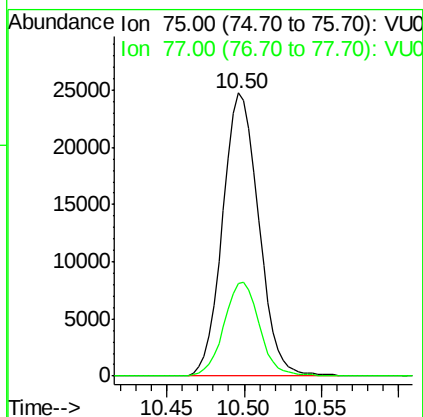
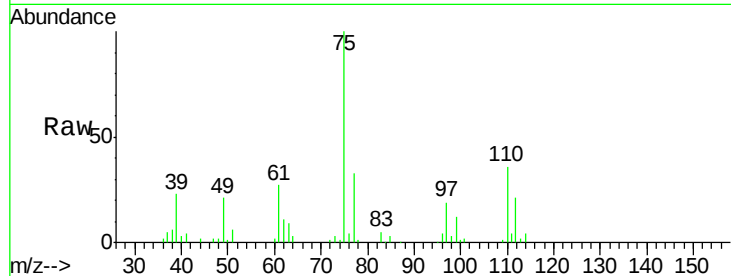
Ion 131.00 (130.70 to 131.70): V





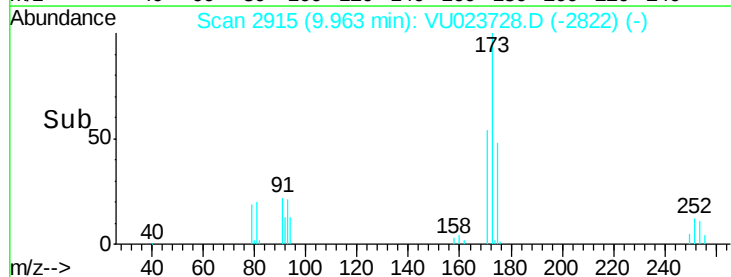
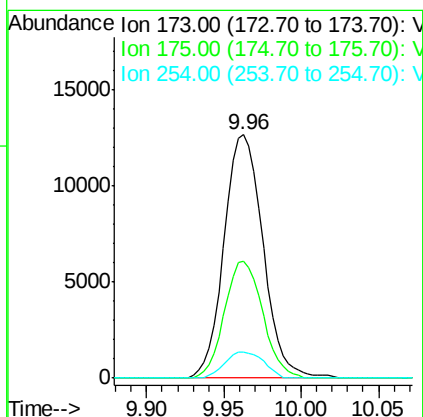
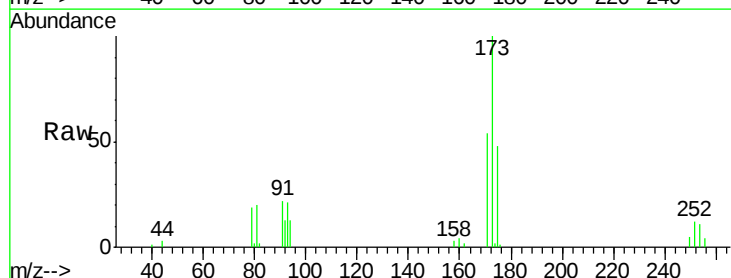
#59
 1,2,3-Trichloropropane
 Concen: 11.05 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU023728.D
 Acq: 08 May 2018 11:13

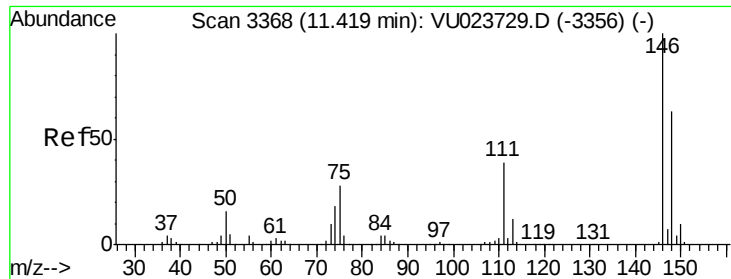
Tgt Ion: 75 Resp: 40141
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.6 38.4



#61
 Bromoform
 Concen: 10.65 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU023728.D
 Acq: 08 May 2018 11:13

Tgt Ion: 173 Resp: 22218
 Ion Ratio Lower Upper
 173 100
 175 47.0 38.9 58.3
 254 10.6 8.6 13.0





#62

1,3-Dichlorobenzene

Concen: 10.73 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU023728.D

Acq: 08 May 2018 11:13

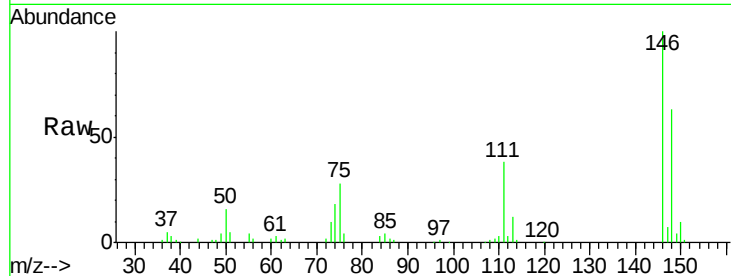
Tgt Ion:146 Resp: 63835

Ion Ratio Lower Upper

146 100

111 38.3 27.5 51.1

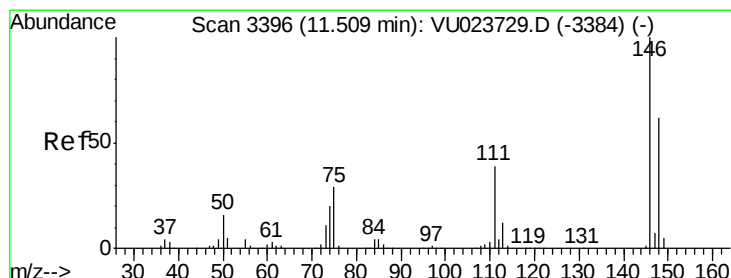
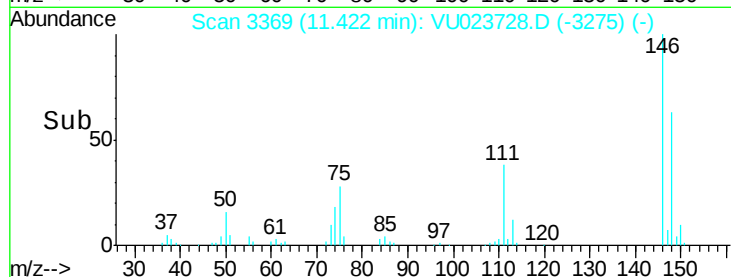
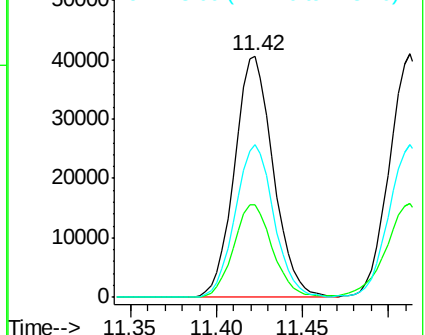
148 63.2 44.2 82.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 10.62 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU023728.D

Acq: 08 May 2018 11:13

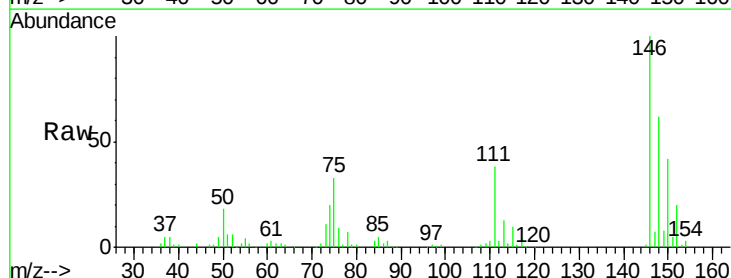
Tgt Ion:146 Resp: 65678

Ion Ratio Lower Upper

146 100

111 38.4 27.3 50.7

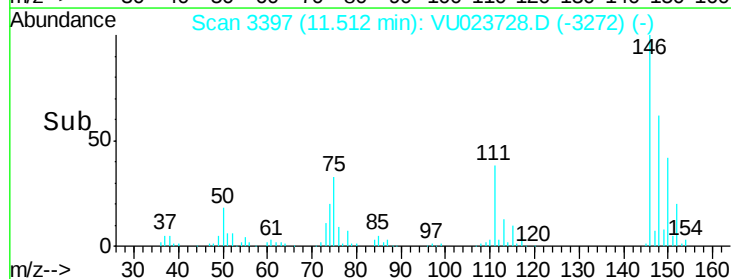
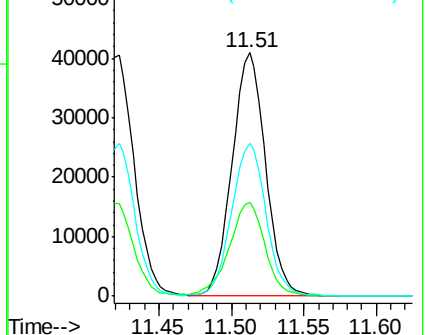
148 62.5 43.8 81.3

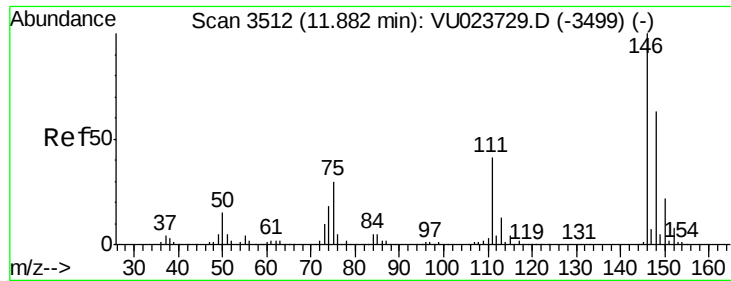


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.75 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU023728.D

Acq: 08 May 2018 11:13

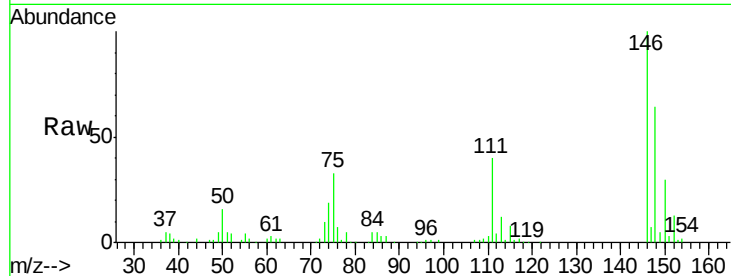
Tgt Ion: 146 Resp: 65405

Ion Ratio Lower Upper

146 100

111 39.8 32.5 48.7

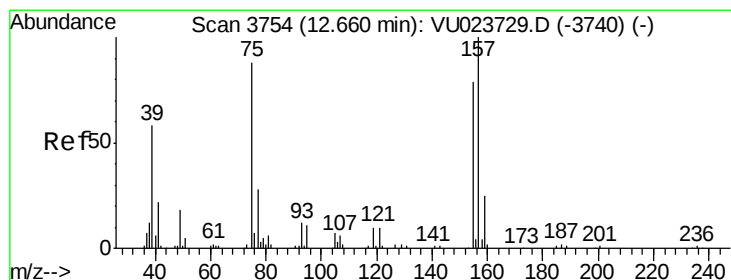
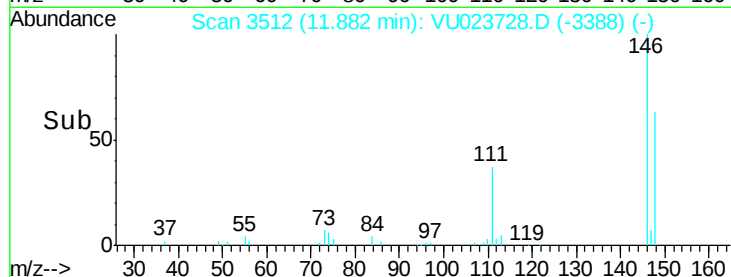
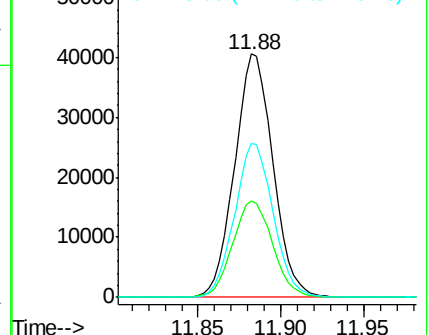
148 63.5 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 10.75 ug/L

RT: 12.66 min Scan# 3755

Delta R.T. 0.00 min

Lab File: VU023728.D

Acq: 08 May 2018 11:13

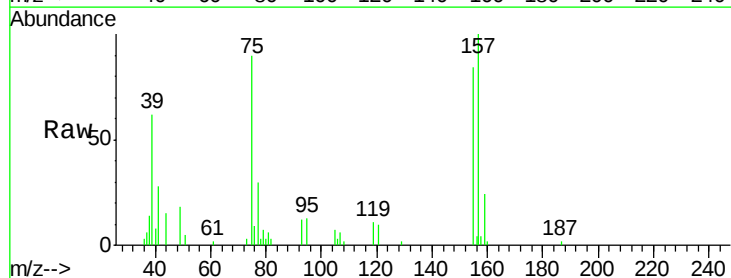
Tgt Ion: 75 Resp: 9610

Ion Ratio Lower Upper

75 100

155 93.0 71.7 107.5

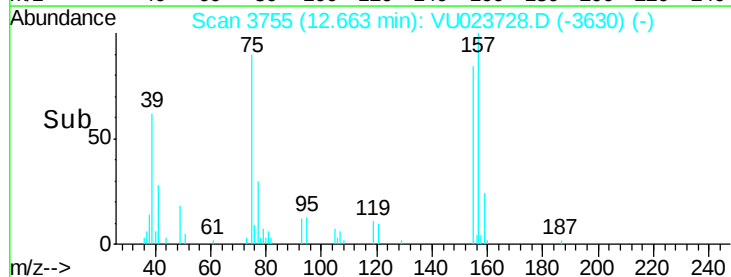
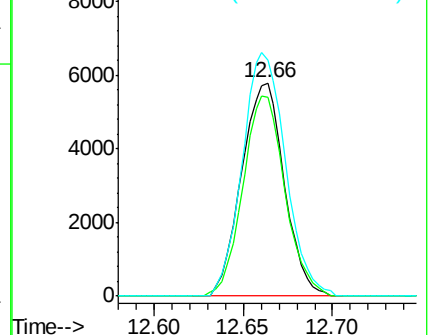
157 110.7 90.6 136.0

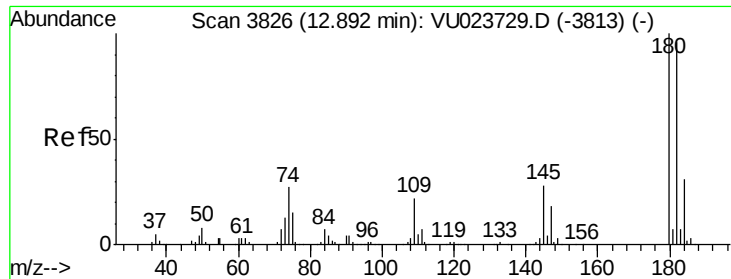


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

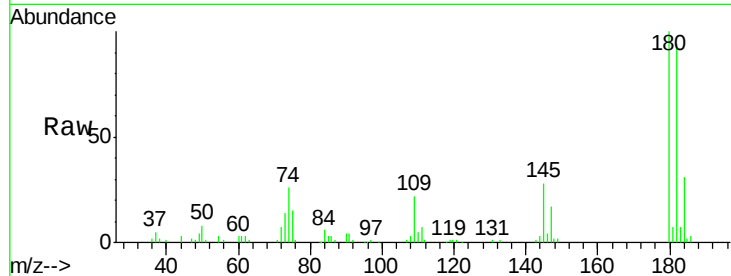
Ion 157.00 (156.70 to 157.70): V





#67
 1,3,5-Trichlorobenzene
 Concen: 10.36 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU023728.D
 Acq: 08 May 2018 11:13

Tgt Ion:	180	Resp:	51319
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.7	115.1
184	30.5	24.6	36.8
145	28.3	22.2	33.4

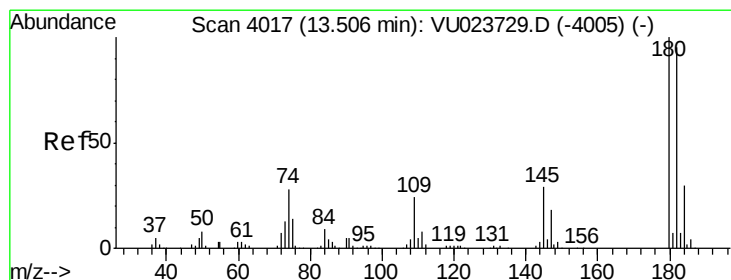
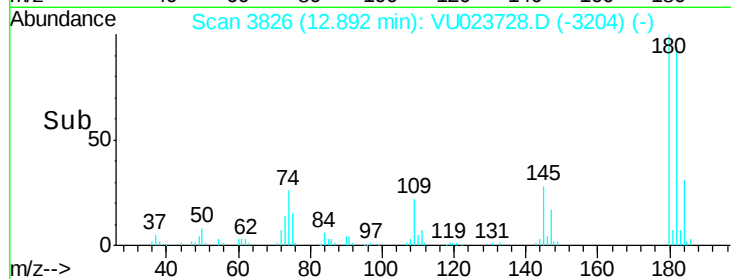
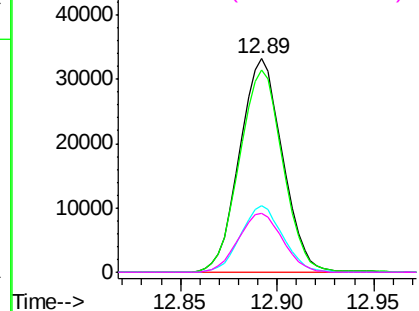


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

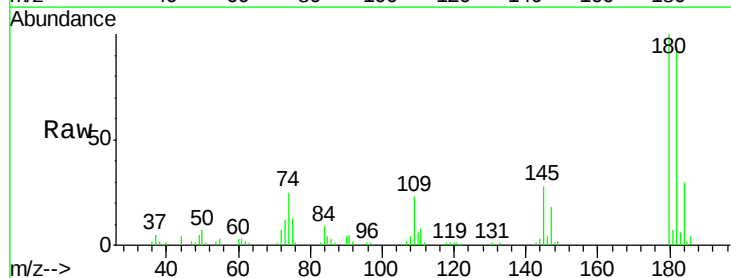
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 9.62 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU023728.D
 Acq: 08 May 2018 11:13

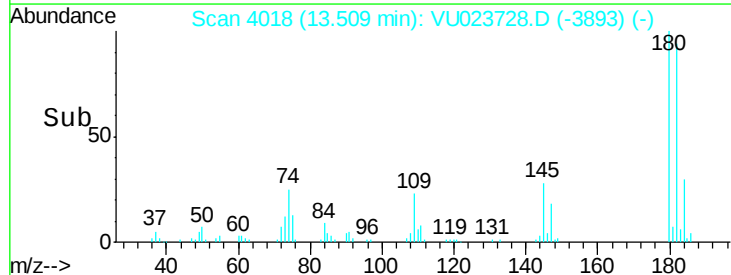
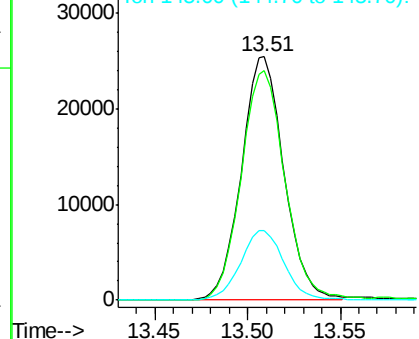
Tgt Ion:	180	Resp:	40515
Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.6	115.0
145	29.2	22.7	34.1

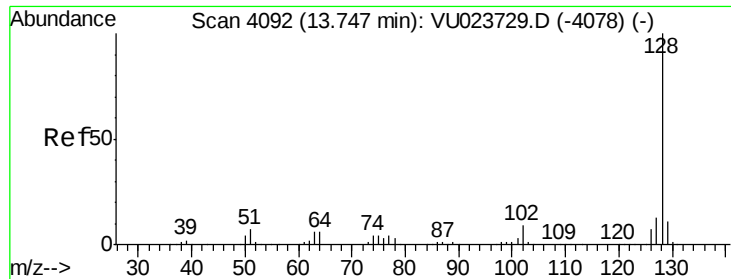


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

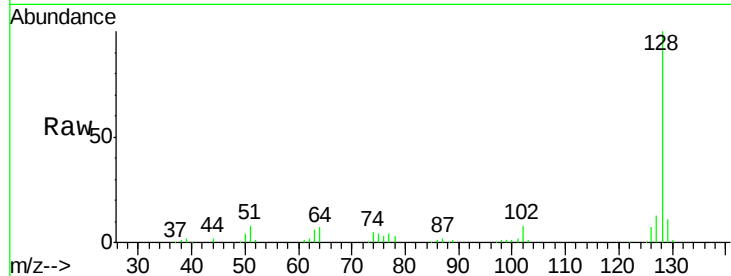
Ion 145.00 (144.70 to 145.70): V



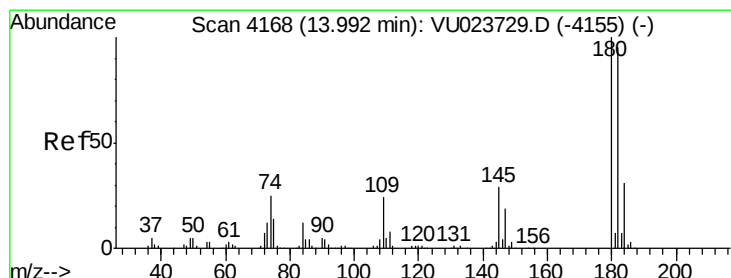
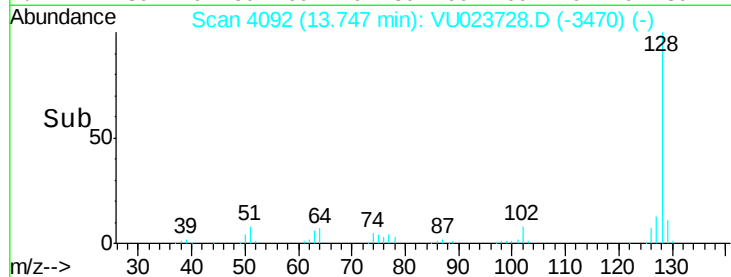
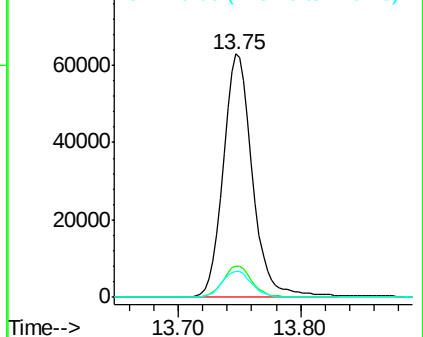


#69
Naphthalene
Concen: 9.59 ug/L
RT: 13.75 min Scan# 4092
Delta R.T. -0.00 min
Lab File: VU023728.D
Acq: 08 May 2018 11:13

Tgt Ion:128 Resp: 106186
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.8 8.7 13.1

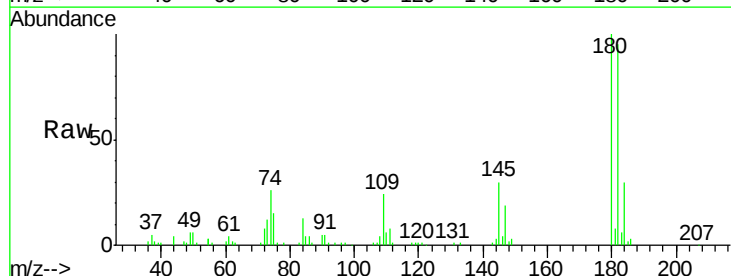


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70
1,2,3-Trichlorobenzene
Concen: 9.99 ug/L
RT: 13.99 min Scan# 4168
Delta R.T. -0.00 min
Lab File: VU023728.D
Acq: 08 May 2018 11:13

Tgt Ion:180 Resp: 42852
Ion Ratio Lower Upper
180 100
182 96.0 75.8 113.6
145 30.1 23.6 35.4



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

