

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU052118\
 Data File : VU024003.D
 Acq On : 22 May 2018 06:11
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Quant Time: May 22 06:36:37 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM051218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 22 02:00:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	296241	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	291387	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	147477	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	105418	38.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.60%
7) Chloroethane-d5	1.68	69	85638	39.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.96%
11) 1,1-Dichloroethene-d2	2.27	63	206789	40.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.88%
21) 2-Butanone-d5	4.18	46	196841	102.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.75%
24) Chloroform-d	4.65	84	201940	48.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.12%
26) 1,2-Dichloroethane-d4	5.31	65	136055	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.44%
32) Benzene-d6	5.35	84	401219	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.34%
36) 1,2-Dichloropropane-d6	6.34	67	138510	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.42%
41) Toluene-d8	7.57	98	382682	48.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.66%
43) trans-1,3-Dichloropropene-	7.85	79	54197	44.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.70%
47) 2-Hexanone-d5	8.31	63	139875	105.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.62%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	205131	50.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	156009	48.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.96%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	126801	41.87	ug/L	100
3) Chloromethane	1.33	50	126855	45.02	ug/L	100
5) Vinyl chloride	1.40	62	140931	43.17	ug/L	98
6) Bromomethane	1.63	94	56313	43.28	ug/L	97
8) Chloroethane	1.70	64	87747	42.86	ug/L	100
9) Trichlorofluoromethane	1.89	101	174259	42.74	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	104453	41.97	ug/L	99
12) 1,1-Dichloroethene	2.28	96	96677	43.69	ug/L	96
13) Acetone	2.32	43	146961	76.16	ug/L	98
14) Carbon disulfide	2.48	76	267670	45.39	ug/L	100
15) Methyl Acetate	2.62	43	160440	49.57	ug/L	99
16) Methylene chloride	2.70	84	124842	47.44	ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	101186	46.37	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	346380	49.45	ug/L	98
19) 1,1-Dichloroethane	3.45	63	225618	48.64	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	123422	48.43	ug/L	95
22) 2-Butanone	4.27	43	228205	97.18	ug/L	99

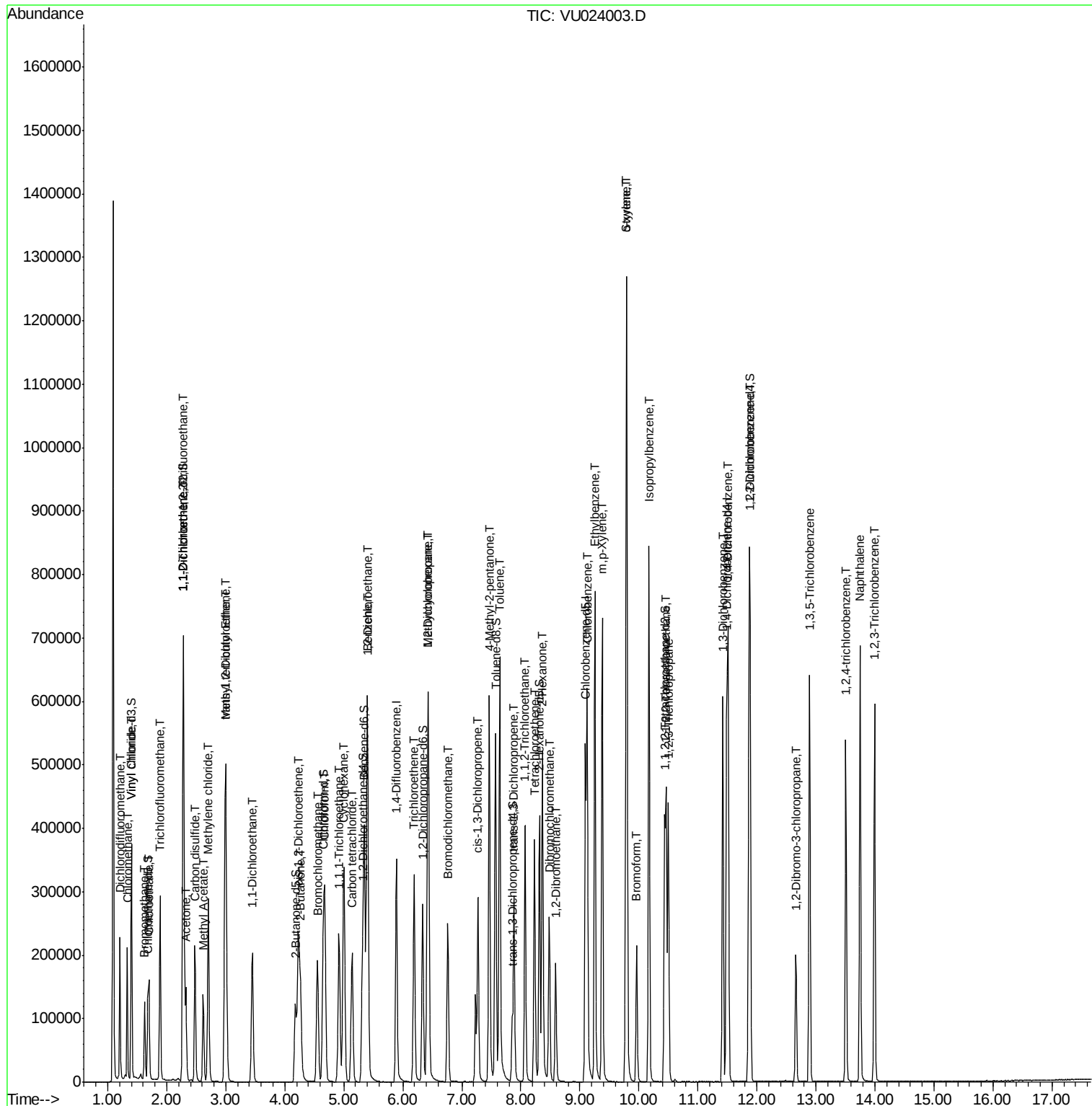
Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU052118\
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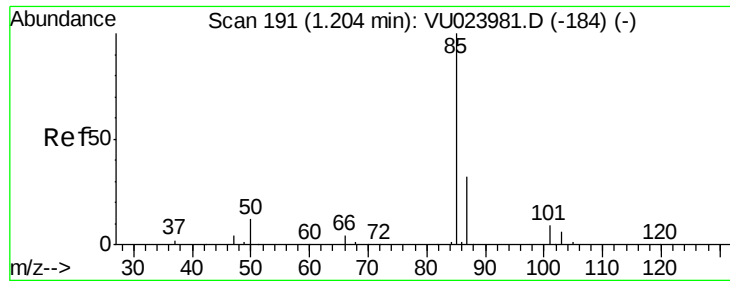
Quant Time: May 22 06:36:37 2018
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 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	62462	47.31	ug/L	93
25) Chloroform	4.68	83	227913	48.62	ug/L	98
27) 1,2-Dichloroethane	5.41	62	179271	50.29	ug/L	98
29) Cyclohexane	5.00	56	175186	50.06	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	178224	48.98	ug/L	98
31) Carbon tetrachloride	5.14	117	147549	47.05	ug/L	100
33) Benzene	5.39	78	475883	49.64	ug/L	100
34) Trichloroethene	6.19	95	116295	47.56	ug/L	97
35) Methylcyclohexane	6.42	83	162394	46.80	ug/L	99
37) 1,2-Dichloropropane	6.44	63	141313	49.81	ug/L	98
38) Bromodichloromethane	6.76	83	166583	49.55	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	166284	44.41	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	422947	105.83	ug/L	98
42) Toluene	7.64	91	504144	50.46	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	158915	46.09	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	124229	48.75	ug/L	99
46) Tetrachloroethene	8.23	164	88793	44.42	ug/L	98
48) 2-Hexanone	8.36	43	336275	103.61	ug/L	99
49) Dibromochloromethane	8.48	129	131559	48.56	ug/L	99
50) 1,2-Dibromoethane	8.59	107	127337	49.00	ug/L	98
51) Chlorobenzene	9.12	112	325022	47.95	ug/L	98
52) Ethylbenzene	9.25	91	547184	50.81	ug/L	100
53) m,p-Xylene	9.38	106	202511	49.62	ug/L	97
54) o-xylene	9.78	106	203597	51.34	ug/L	100
55) Styrene	9.80	104	361376	52.12	ug/L	96
56) Isopropylbenzene	10.17	105	525744	50.41	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	224860	49.03	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	181757	49.37	ug/L	99
61) Bromoform	9.96	173	98996	47.50	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	245609	47.82	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	258469	47.48	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	266403	48.09	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	48818	49.96	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	196824	46.34	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	165048	47.45	ug/L	98
69) Naphthalene	13.75	128	519662	52.47	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	185150	49.74	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 41.87 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024003.D

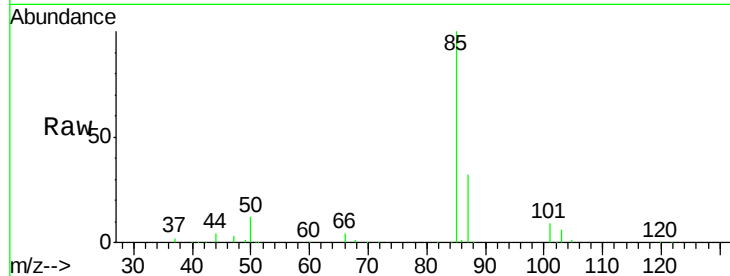
Acq: 22 May 2018 06:11

Tgt Ion: 85 Resp: 126801

Ion Ratio Lower Upper

85 100

87 32.1 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU023981.D (-184) (-)

Ion 87.00 (86.70 to 87.70): VU023981.D (-184) (-)

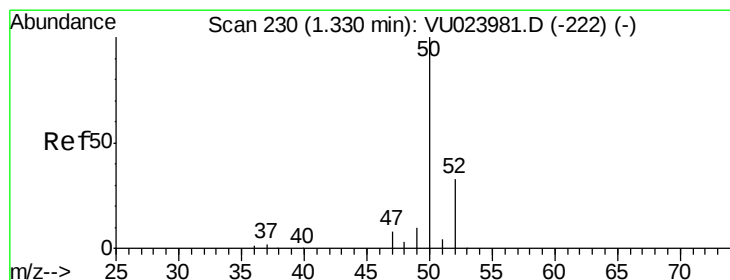
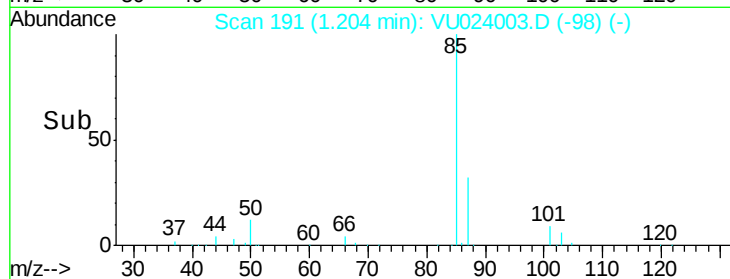
1.20

100000

50000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 45.02 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024003.D

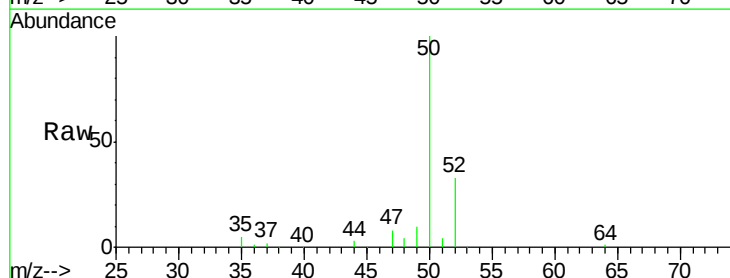
Acq: 22 May 2018 06:11

Tgt Ion: 50 Resp: 126855

Ion Ratio Lower Upper

50 100

52 32.5 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU023981.D (-222) (-)

Ion 52.00 (51.70 to 52.70): VU023981.D (-222) (-)

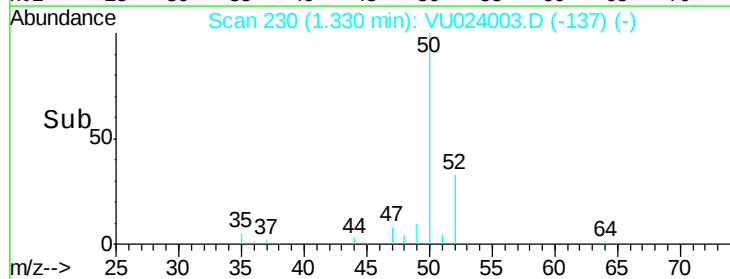
1.33

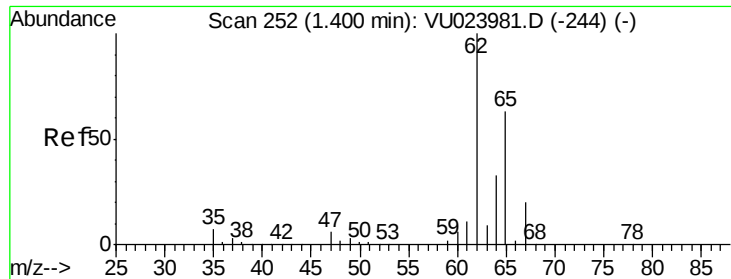
100000

50000

0

Time--> 1.30 1.35 1.40





#5

Vinyl chloride

Concen: 43.17 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024003.D

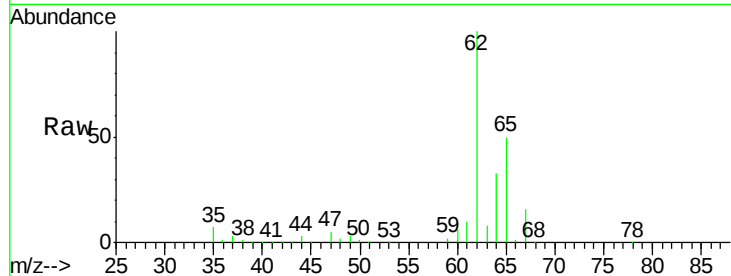
Acq: 22 May 2018 06:11

Tgt Ion: 62 Resp: 140931

Ion Ratio Lower Upper

62 100

64 33.5 24.4 45.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

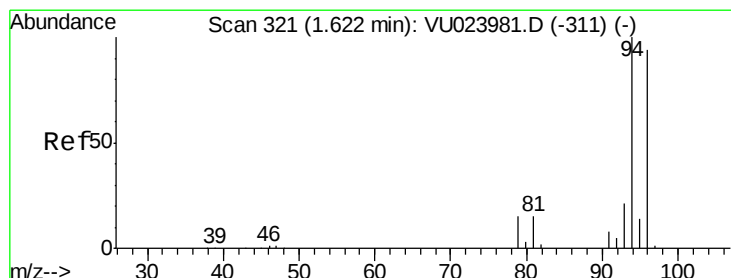
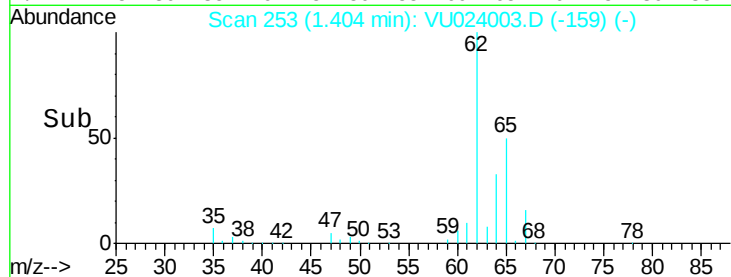
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 43.28 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024003.D

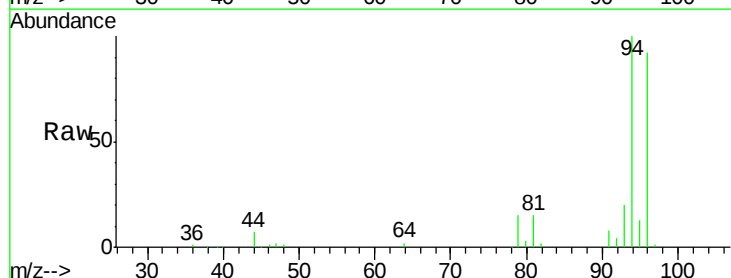
Acq: 22 May 2018 06:11

Tgt Ion: 94 Resp: 56313

Ion Ratio Lower Upper

94 100

96 92.4 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

50000

40000

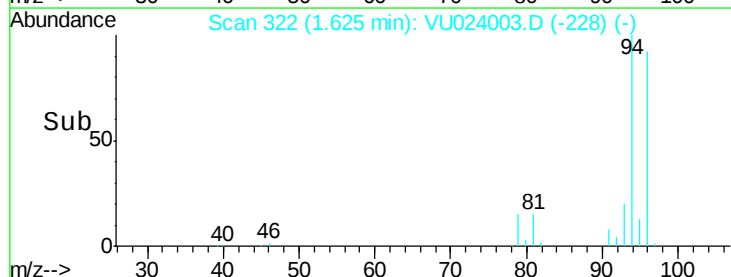
30000

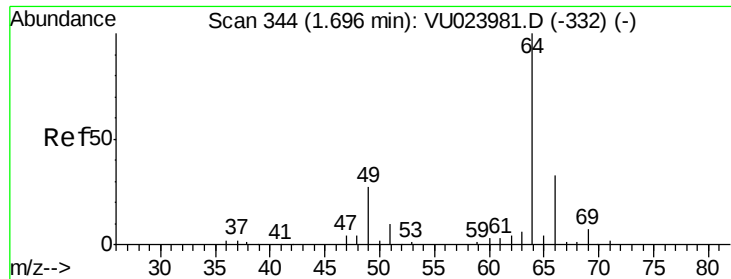
20000

10000

0

Time-->





#8

Chloroethane

Concen: 42.86 ug/L

RT: 1.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU024003.D

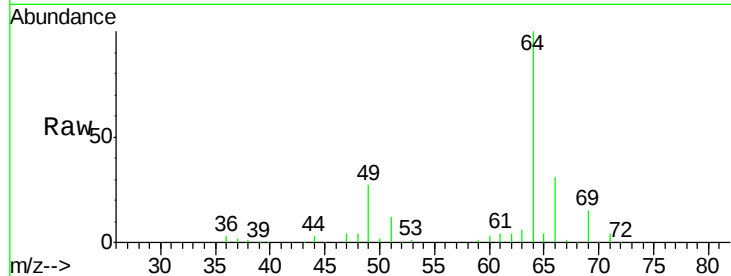
Acq: 22 May 2018 06:11

Tgt Ion: 64 Resp: 87747

Ion Ratio Lower Upper

64 100

66 31.3 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.70

60000

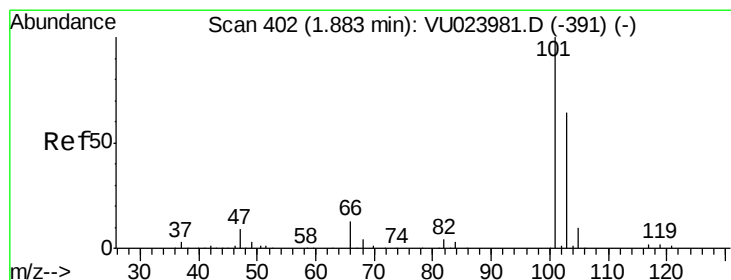
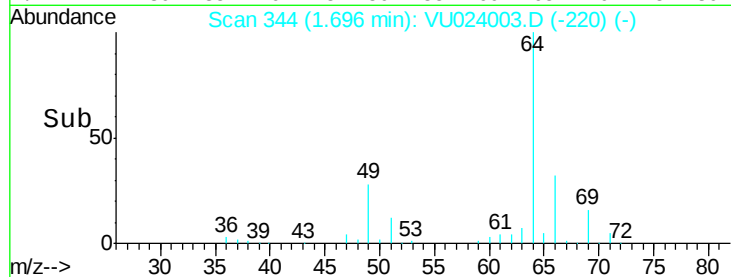
40000

20000

0

Time-->

1.65 1.70 1.75



#9

Trichlorofluoromethane

Concen: 42.74 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU024003.D

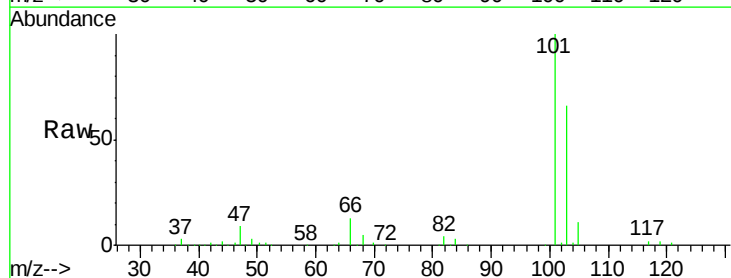
Acq: 22 May 2018 06:11

Tgt Ion: 101 Resp: 174259

Ion Ratio Lower Upper

101 100

103 64.8 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.89

150000

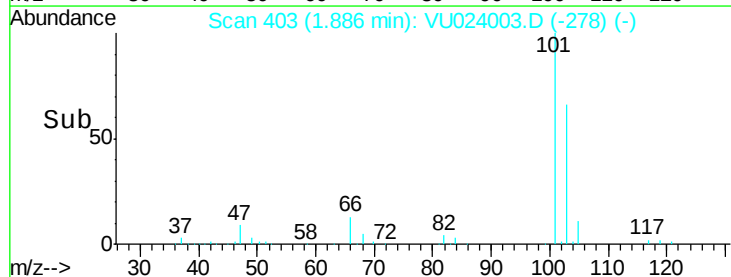
100000

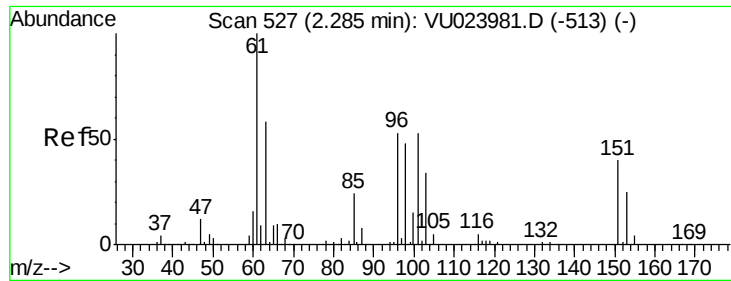
50000

0

Time-->

1.85 1.90 1.95





#10

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

Concen: 41.97 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU024003.D

Acq: 22 May 2018 06:11

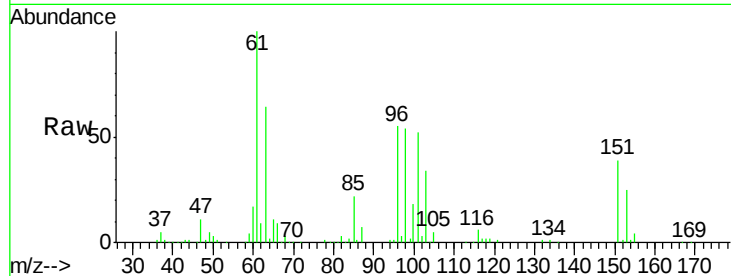
Tgt Ion: 101 Resp: 104453

Ion Ratio Lower Upper

101 100

85 43.3 34.3 51.5

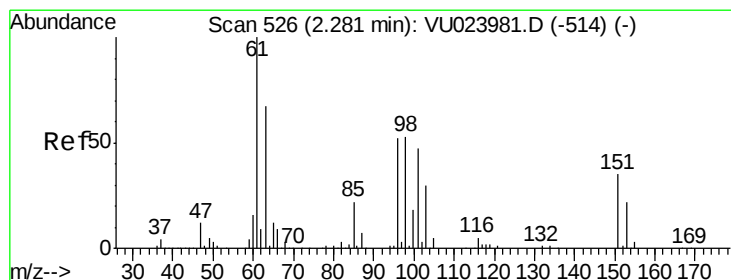
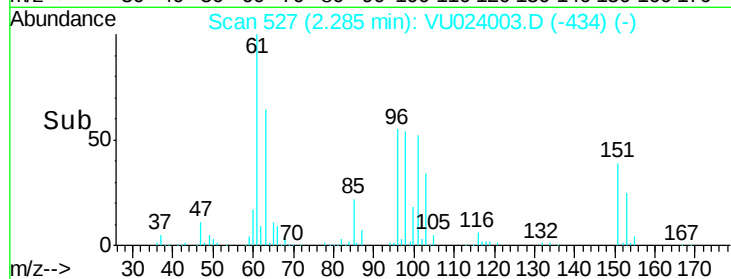
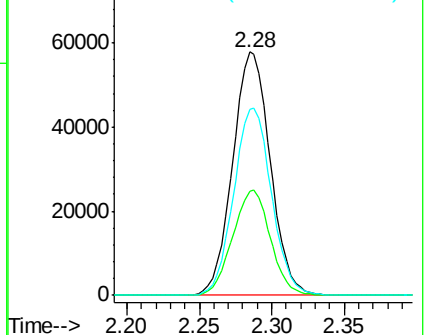
151 77.2 61.0 91.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 43.69 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU024003.D

Acq: 22 May 2018 06:11

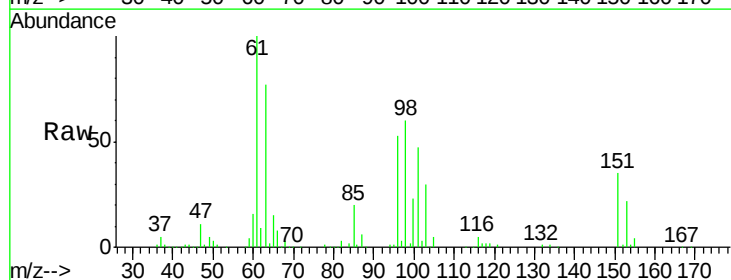
Tgt Ion: 96 Resp: 96677

Ion Ratio Lower Upper

96 100

61 187.1 129.5 240.5

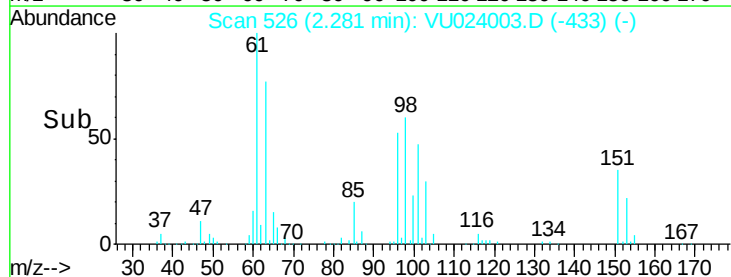
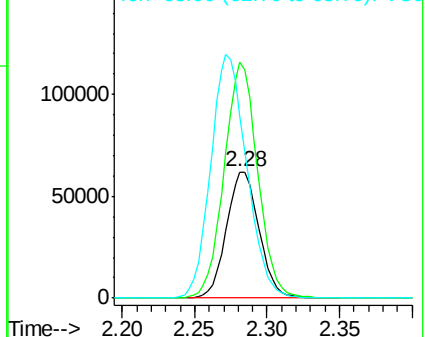
63 145.0 106.9 198.5

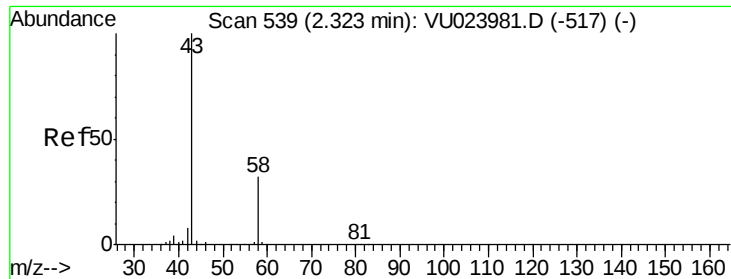


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 76.16 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024003.D

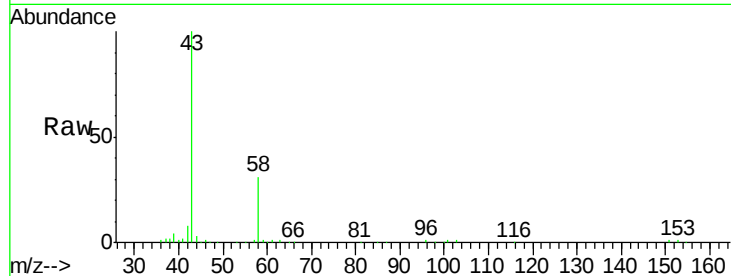
Acq: 22 May 2018 06:11

Tgt Ion: 43 Resp: 146961

Ion Ratio Lower Upper

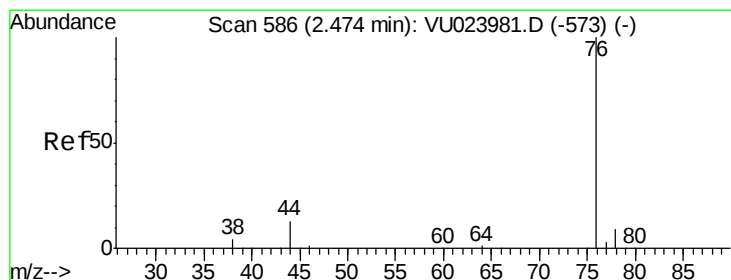
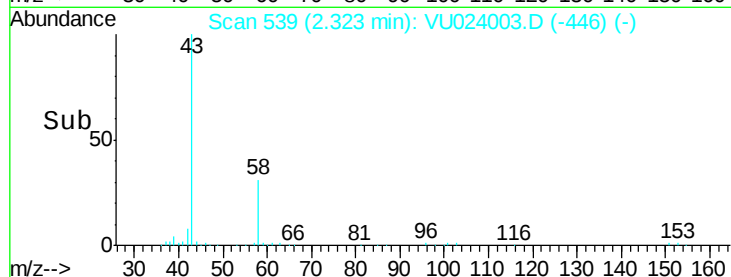
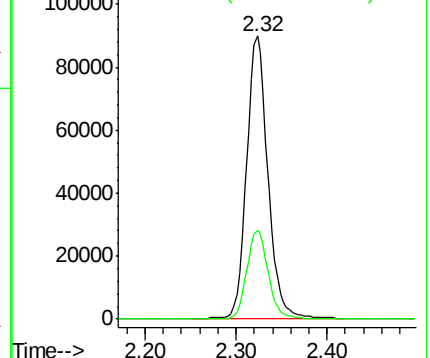
43 100

58 31.5 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 45.39 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU024003.D

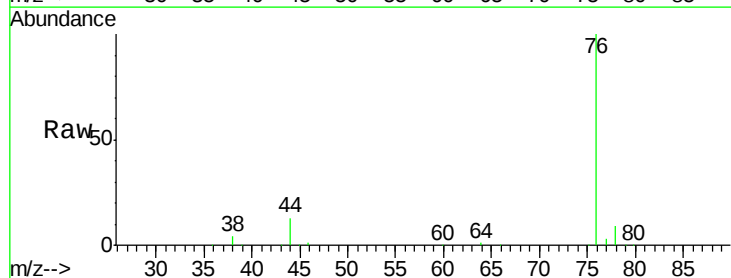
Acq: 22 May 2018 06:11

Tgt Ion: 76 Resp: 267670

Ion Ratio Lower Upper

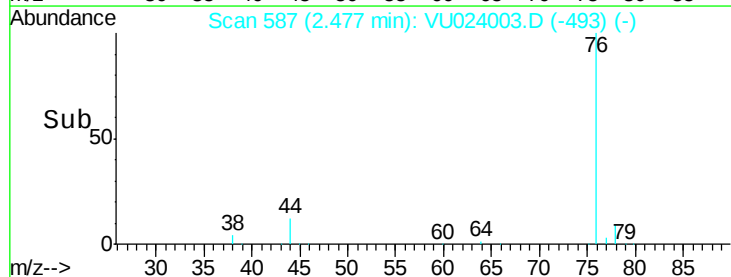
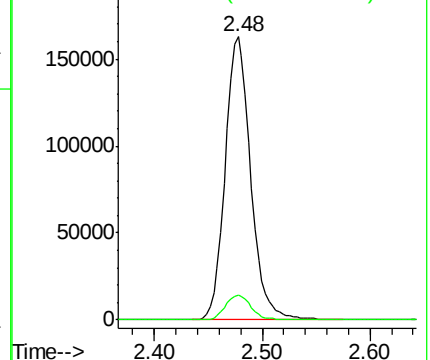
76 100

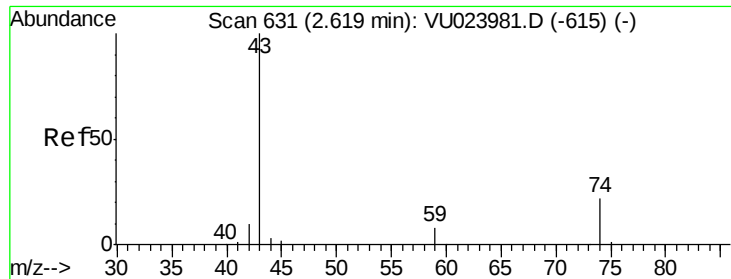
78 8.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU0

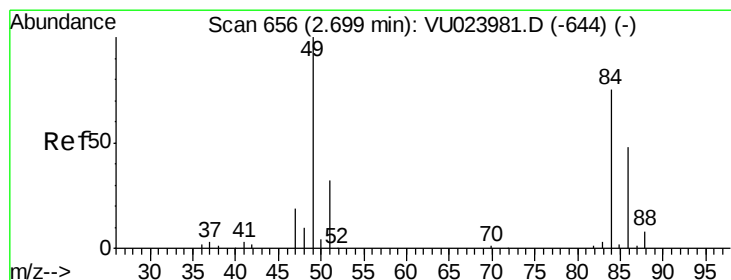
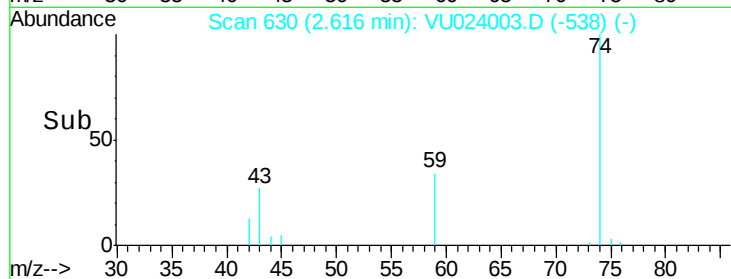
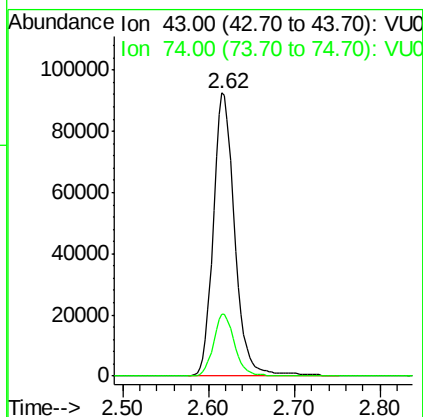
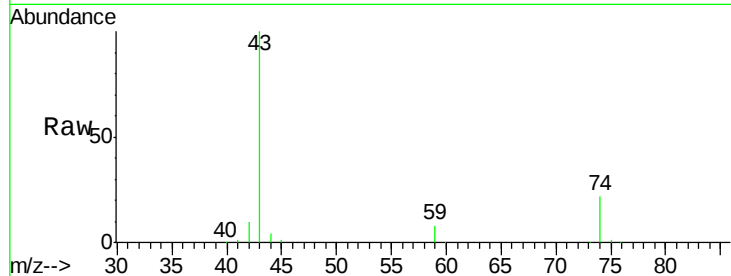
Ion 78.00 (77.70 to 78.70): VU0





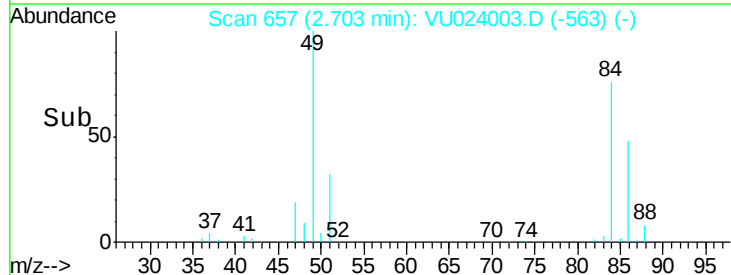
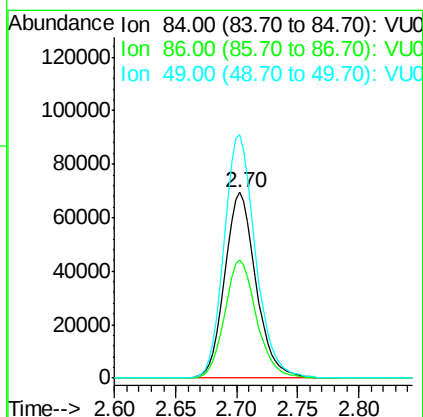
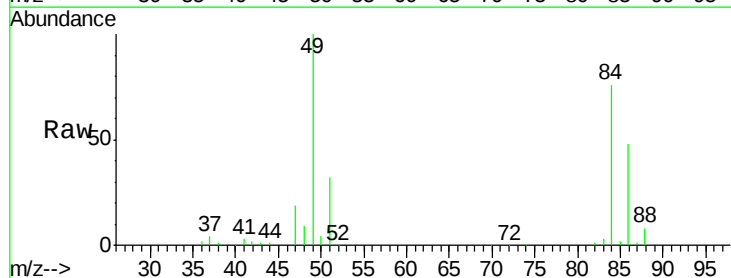
#15
Methyl Acetate
Concen: 49.57 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU024003.D
Acq: 22 May 2018 06:11

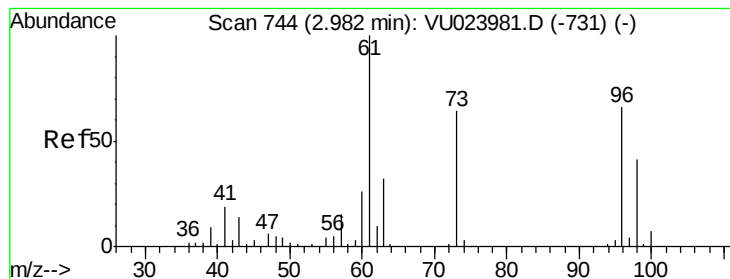
Tgt Ion: 43 Resp: 160440
Ion Ratio Lower Upper
43 100
74 21.6 17.8 26.6



#16
Methylene chloride
Concen: 47.44 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU024003.D
Acq: 22 May 2018 06:11

Tgt Ion: 84 Resp: 124842
Ion Ratio Lower Upper
84 100
86 63.5 44.6 82.8
49 131.1 87.6 162.6





#17

trans-1,2-Dichloroethene

Concen: 46.37 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024003.D

Acq: 22 May 2018 06:11

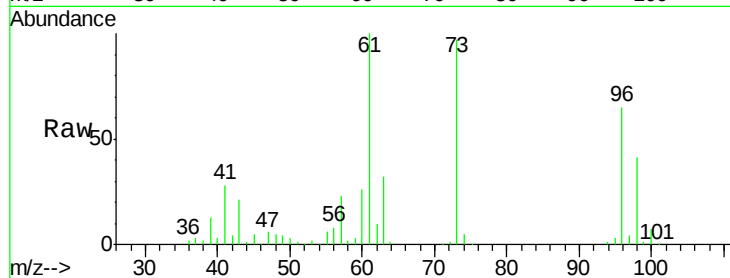
Tgt Ion: 96 Resp: 101186

Ion Ratio Lower Upper

96 100

61 153.2 104.4 194.0

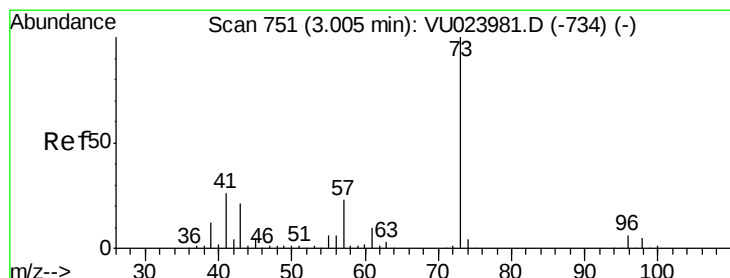
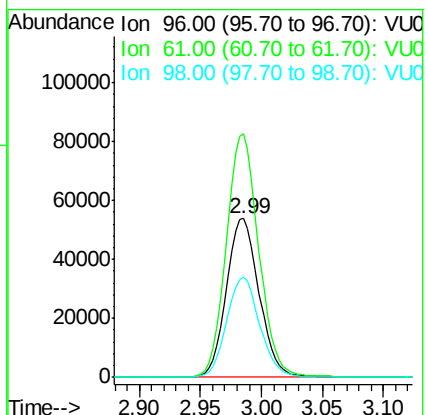
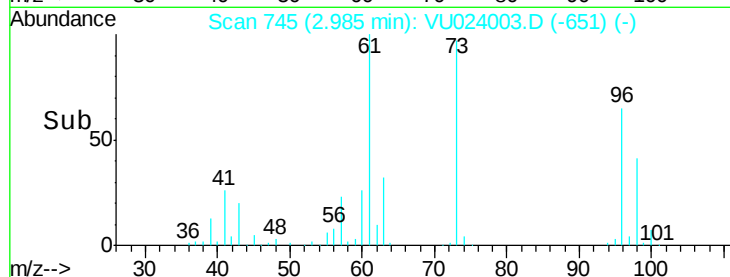
98 63.0 45.5 84.5



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: 49.45 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU024003.D

Acq: 22 May 2018 06:11

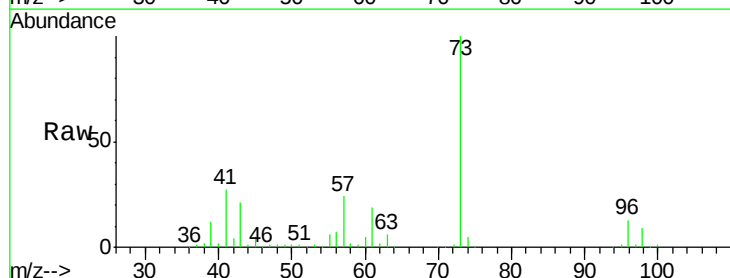
Tgt Ion: 73 Resp: 346380

Ion Ratio Lower Upper

73 100

43 21.0 15.5 23.3

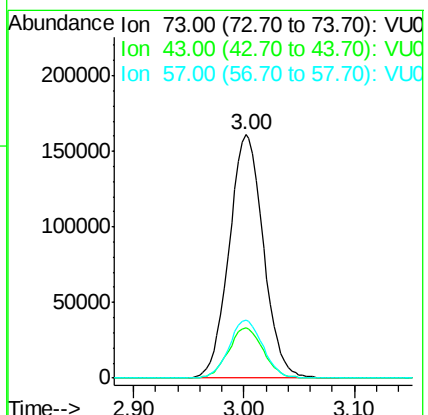
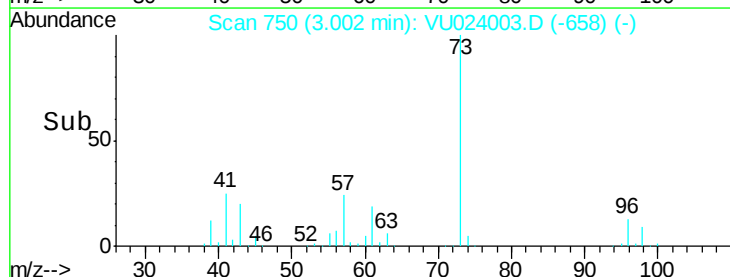
57 23.6 18.6 27.8

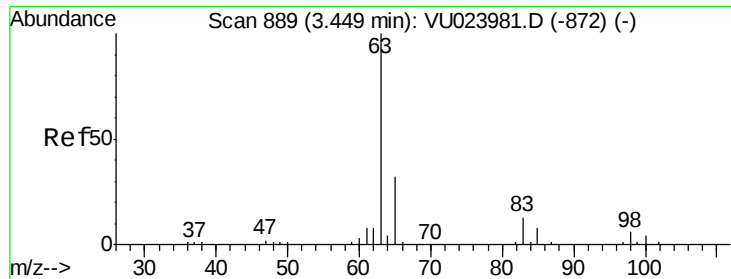


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

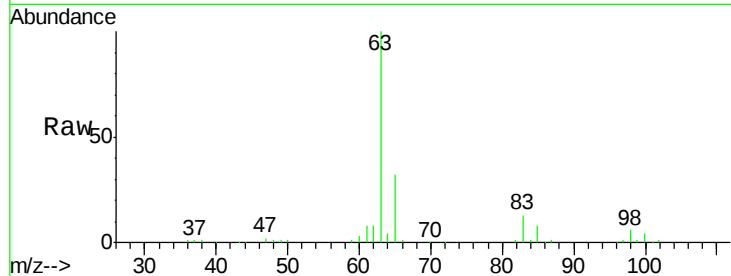




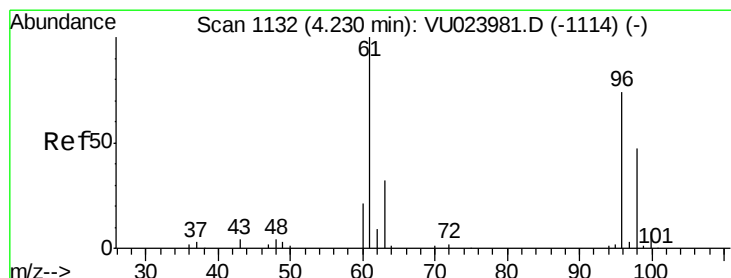
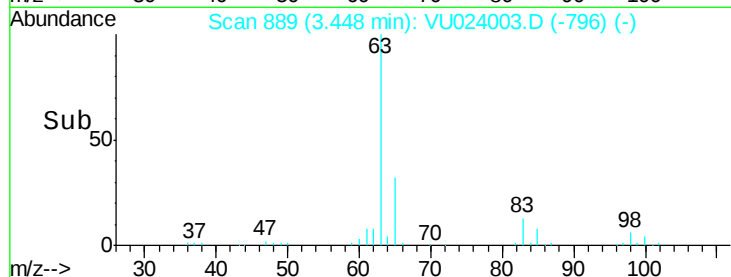
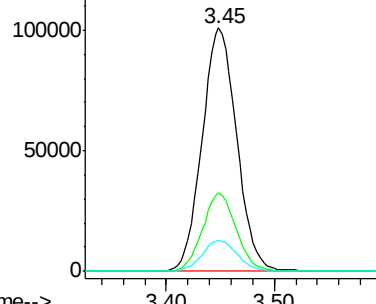
#19
 1,1-Dichloroethane
 Concen: 48.64 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU024003.D
 Acq: 22 May 2018 06:11

Tgt Ion: 63 Resp: 225618

Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.5	41.9
83	12.6	8.8	16.4



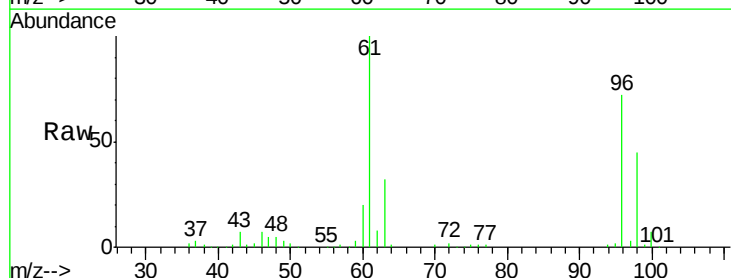
Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0



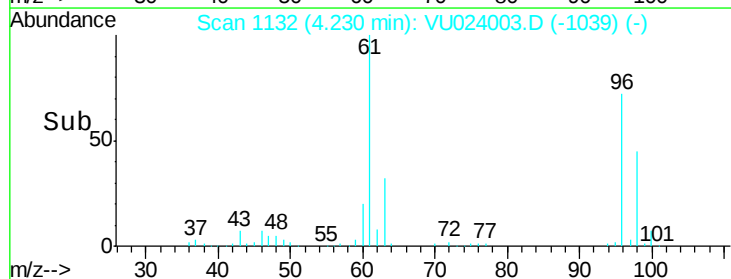
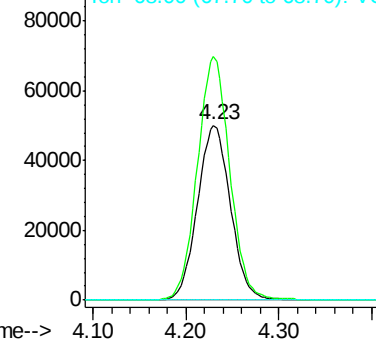
#20
 cis-1,2-Dichloroethene
 Concen: 48.43 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024003.D
 Acq: 22 May 2018 06:11

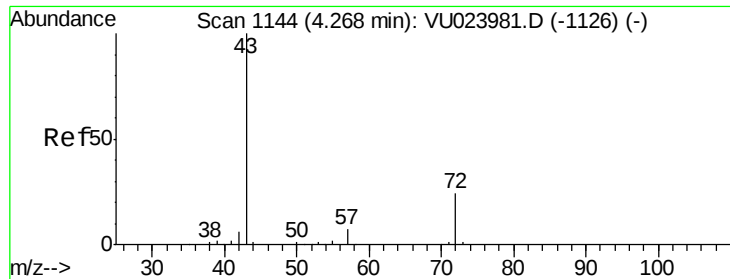
Tgt Ion: 96 Resp: 123422

Ion	Ratio	Lower	Upper
96	100		
61	139.2	93.3	173.3
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: 97.18 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU024003.D

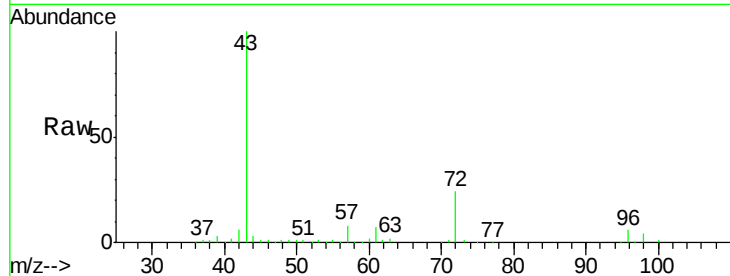
Acq: 22 May 2018 06:11

Tgt Ion: 43 Resp: 228205

Ion Ratio Lower Upper

43 100

72 24.9 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.27

100000

80000

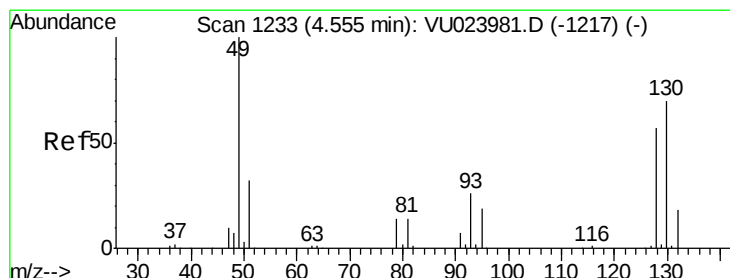
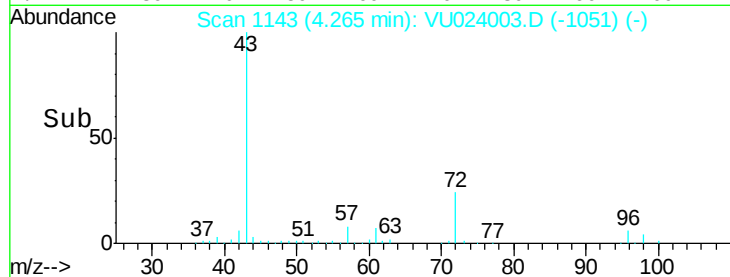
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 47.31 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU024003.D

Acq: 22 May 2018 06:11

Tgt Ion: 128 Resp: 62462

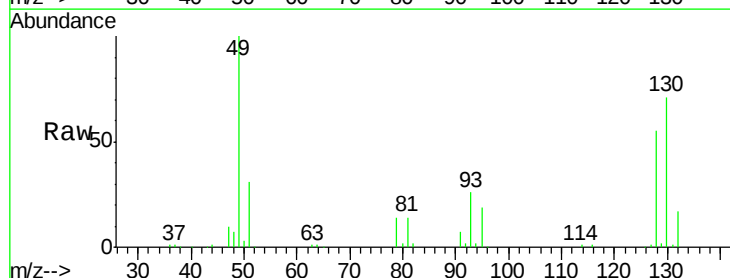
Ion Ratio Lower Upper

128 100

49 181.4 117.6 218.4

130 128.5 93.4 173.6

51 56.6 42.6 64.0



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

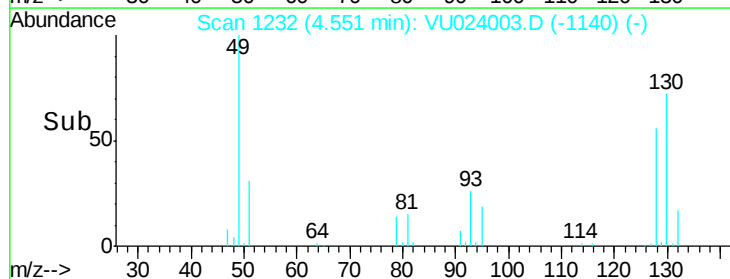
60000

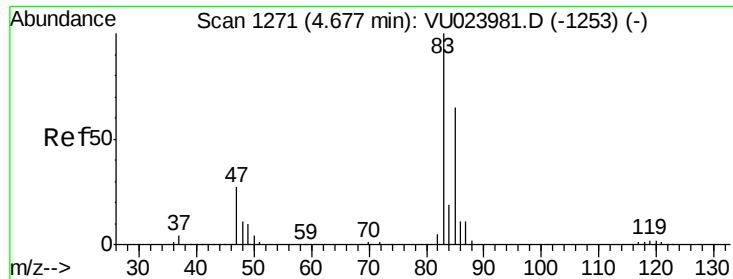
40000

20000

0

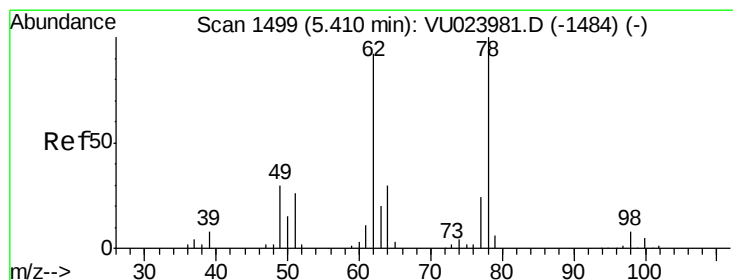
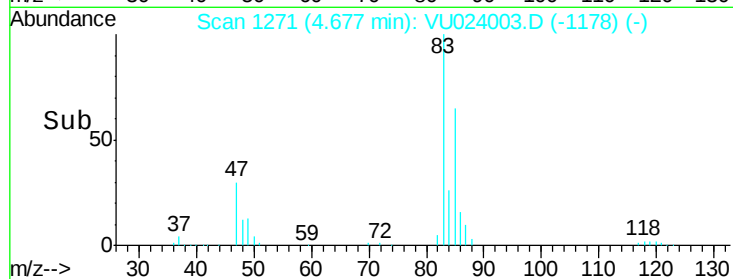
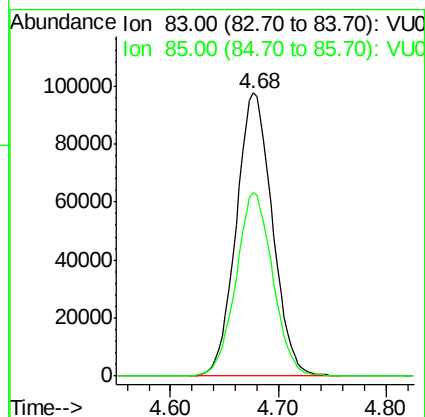
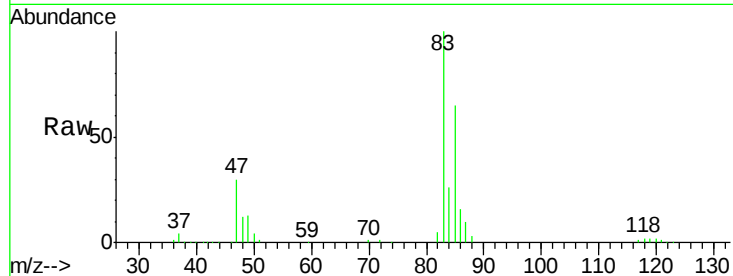
Time-->





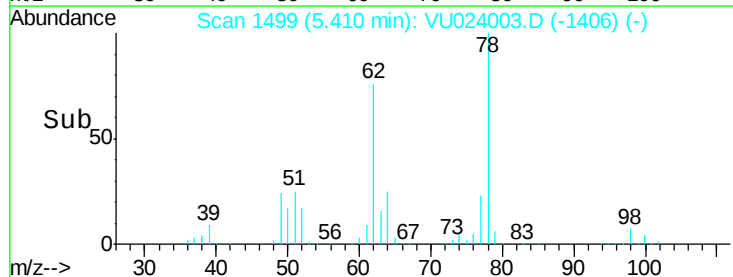
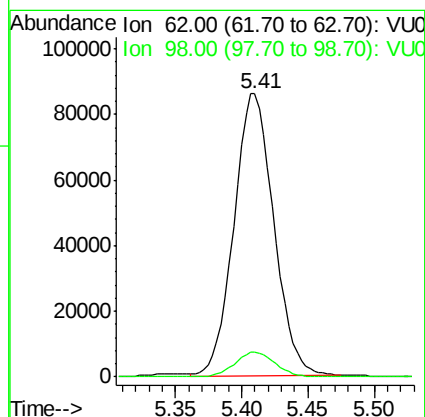
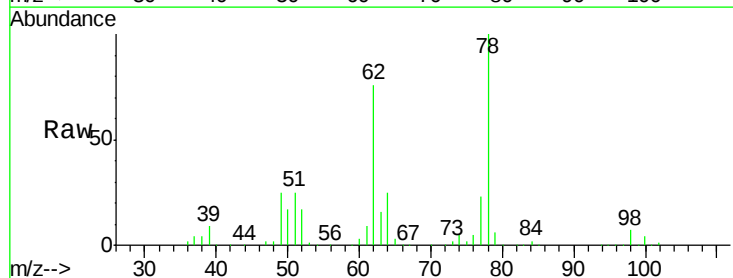
#25
Chloroform
Concen: 48.62 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024003.D
Acq: 22 May 2018 06:11

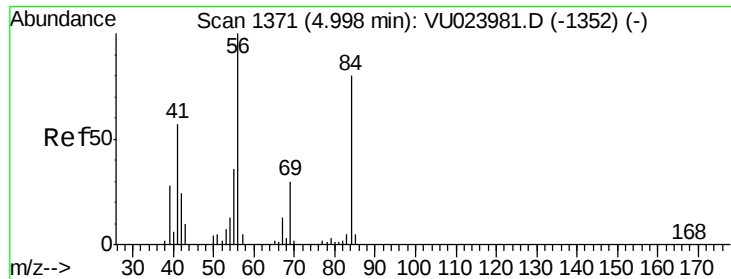
Tgt Ion: 83 Resp: 227913
Ion Ratio Lower Upper
83 100
85 64.7 44.4 82.5



#27
1,2-Dichloroethane
Concen: 50.29 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024003.D
Acq: 22 May 2018 06:11

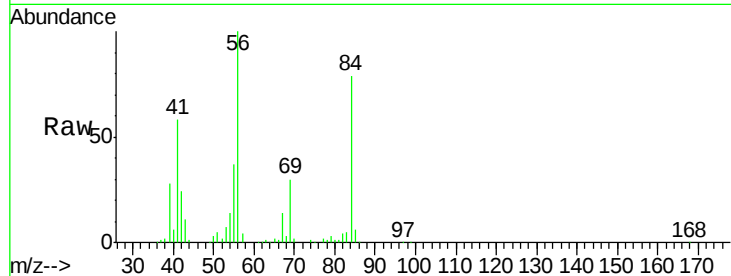
Tgt Ion: 62 Resp: 179271
Ion Ratio Lower Upper
62 100
98 8.8 7.5 11.3



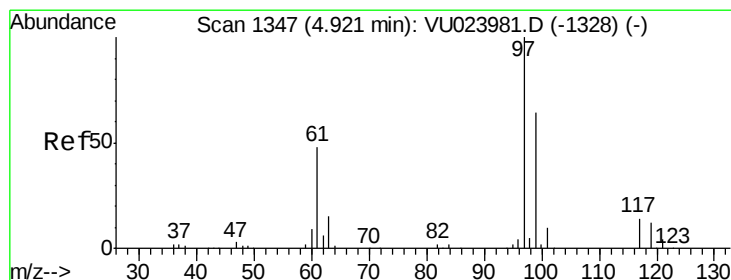
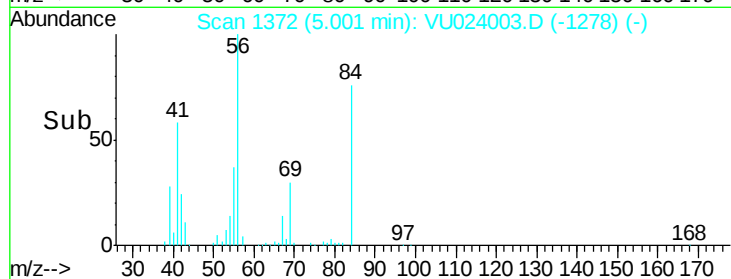
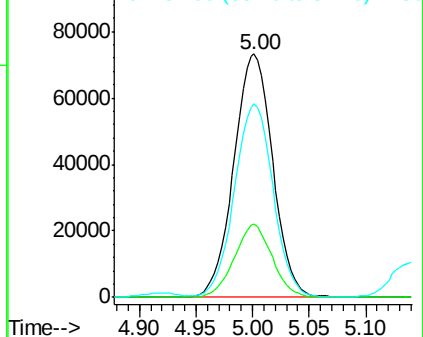


#29
Cyclohexane
Concen: 50.06 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024003.D
Acq: 22 May 2018 06:11

Tgt Ion: 56 Resp: 175186
Ion Ratio Lower Upper
56 100
69 29.2 23.6 35.4
84 79.4 65.8 98.6

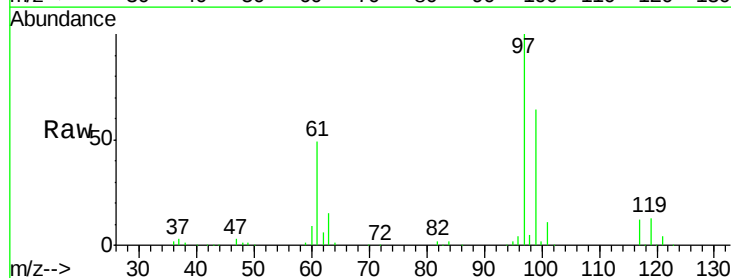


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

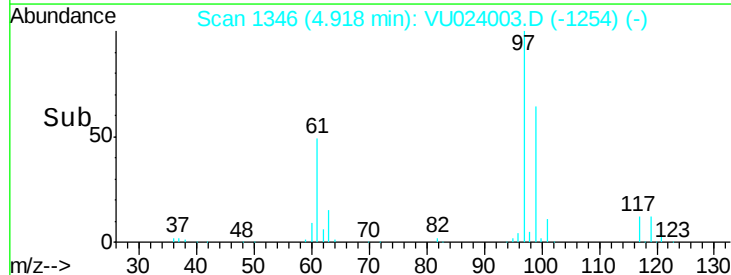
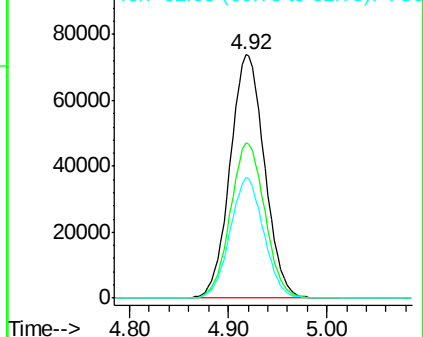


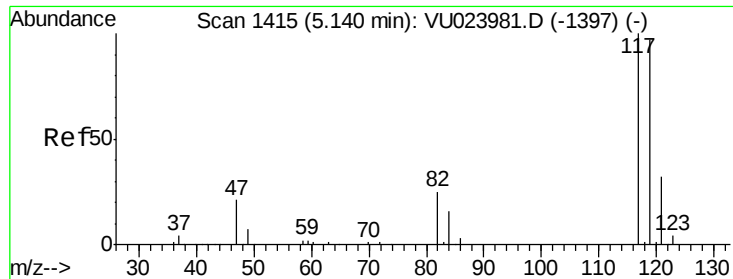
#30
1,1,1-Trichloroethane
Concen: 48.98 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU024003.D
Acq: 22 May 2018 06:11

Tgt Ion: 97 Resp: 178224
Ion Ratio Lower Upper
97 100
99 63.8 52.0 78.0
61 48.3 37.6 56.4



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: 47.05 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU024003.D

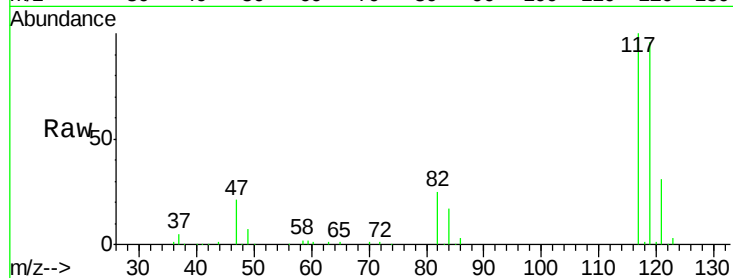
Acq: 22 May 2018 06:11

Tgt Ion: 117 Resp: 147549

Ion Ratio Lower Upper

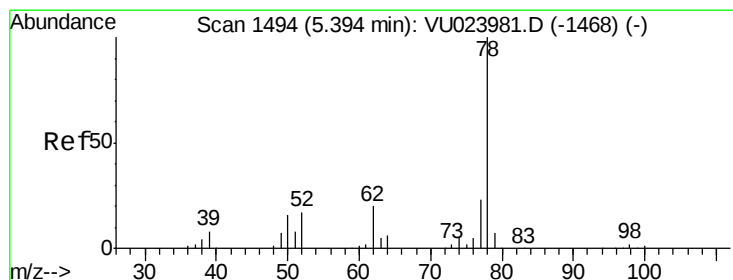
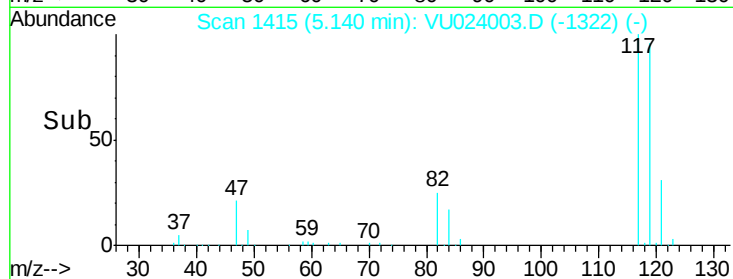
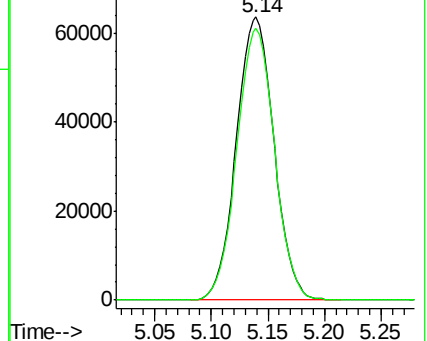
117 100

119 96.1 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.64 ug/L

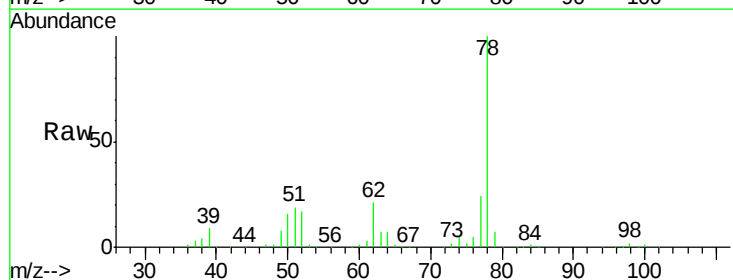
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

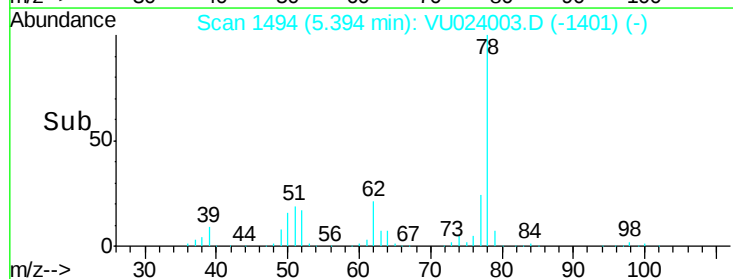
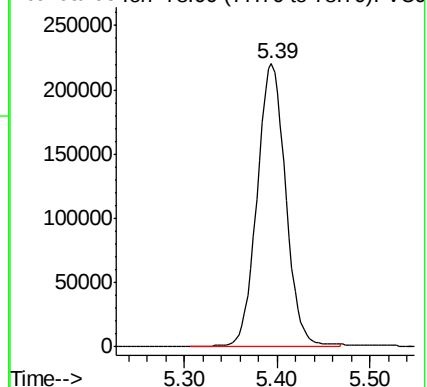
Lab File: VU024003.D

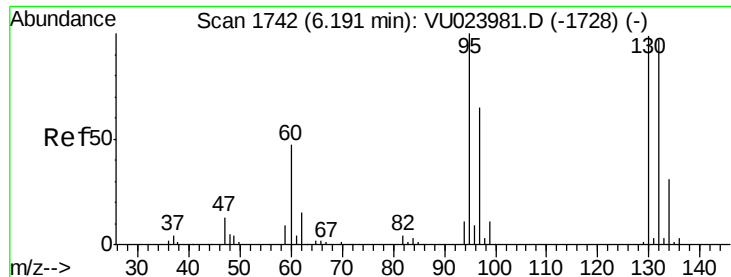
Acq: 22 May 2018 06:11

Tgt Ion: 78 Resp: 475883



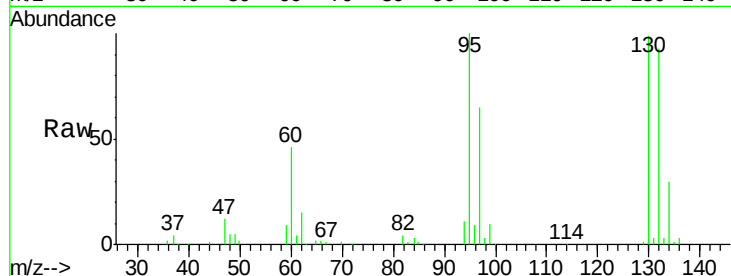
Abundance Ion 78.00 (77.70 to 78.70): VU0



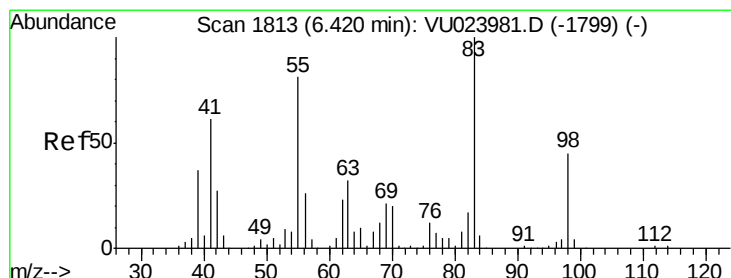
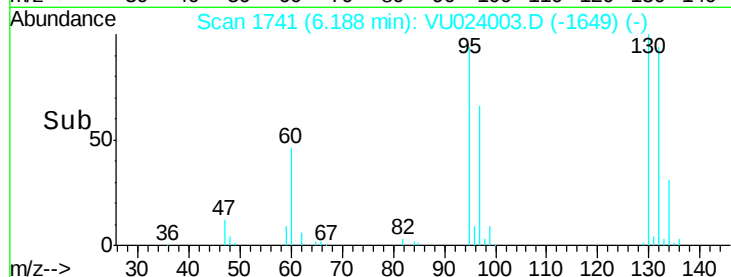
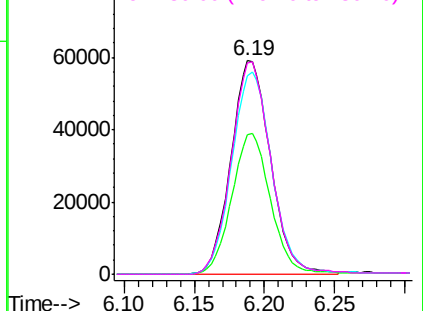


#34
 Trichloroethene
 Concen: 47.56 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU024003.D
 Acq: 22 May 2018 06:11

Tgt Ion:	95	Resp:	116295
Ion	Ratio	Lower	Upper
95	100		
97	65.2	45.4	84.2
132	92.8	69.0	128.1
130	99.1	71.7	133.1

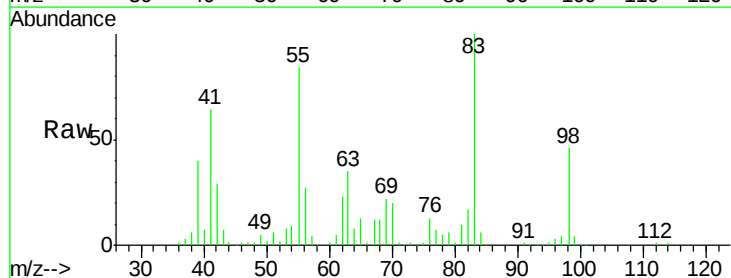


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

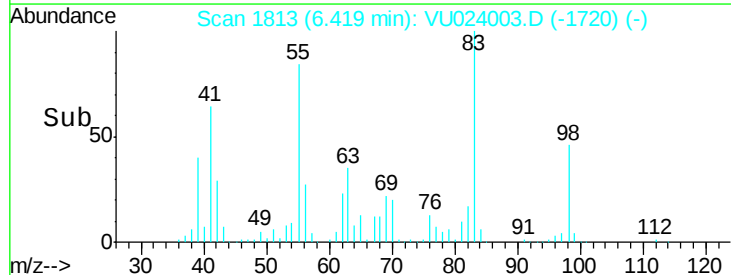
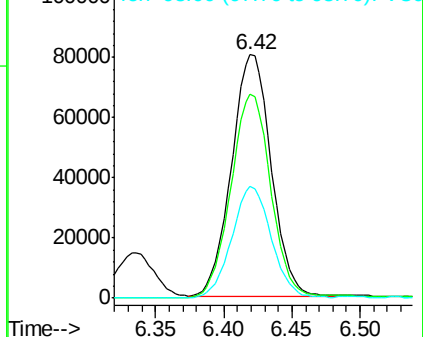


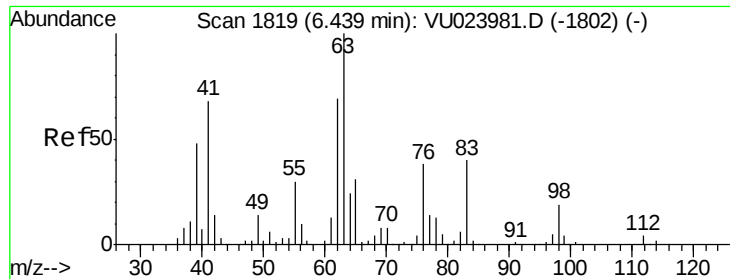
#35
 Methylcyclohexane
 Concen: 46.80 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU024003.D
 Acq: 22 May 2018 06:11

Tgt Ion:	83	Resp:	162394
Ion	Ratio	Lower	Upper
83	100		
55	85.4	67.2	100.8
98	46.3	36.6	54.8



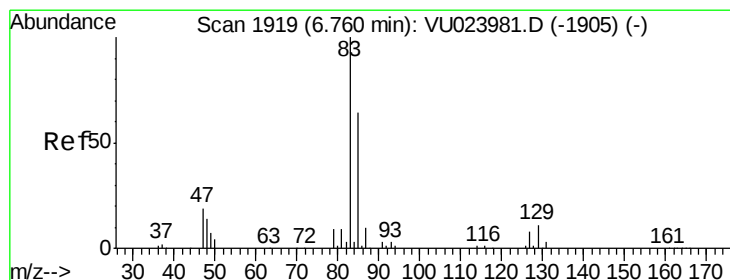
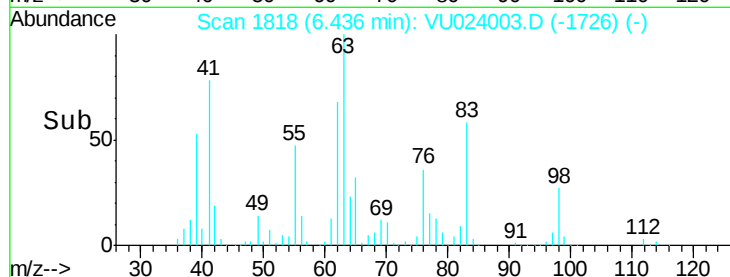
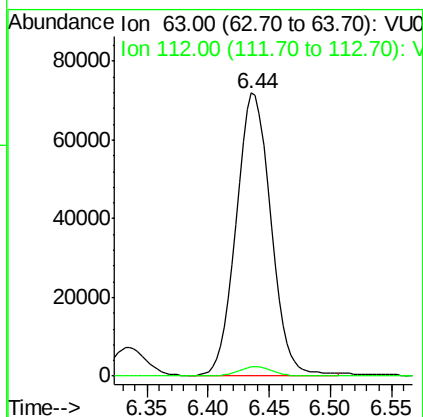
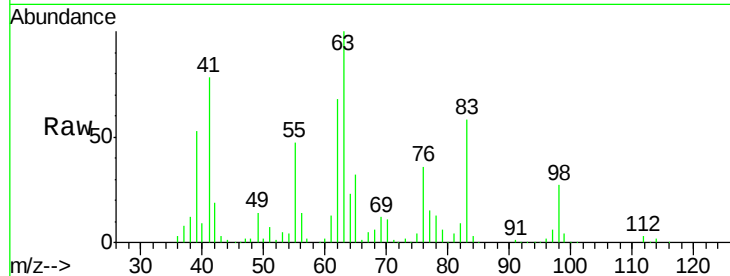
Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





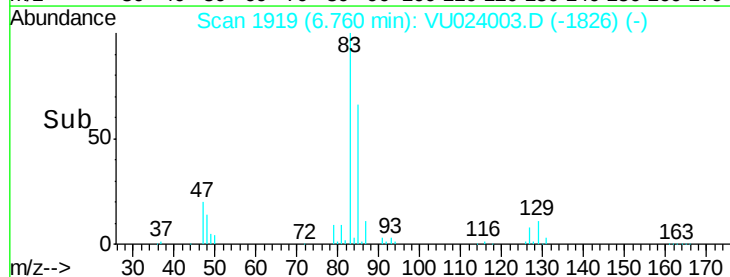
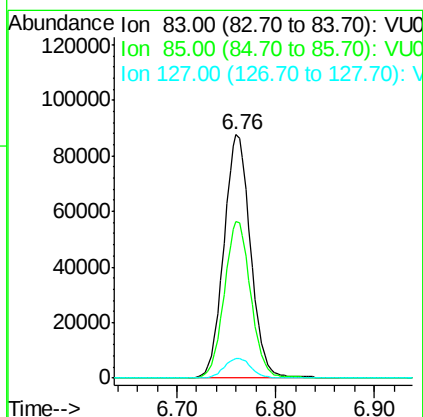
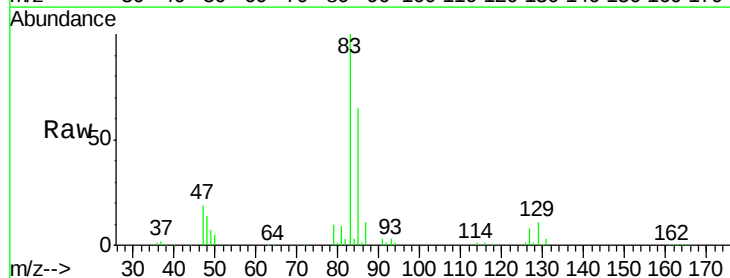
#37
 1,2-Dichloropropane
 Concen: 49.81 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024003.D
 Acq: 22 May 2018 06:11

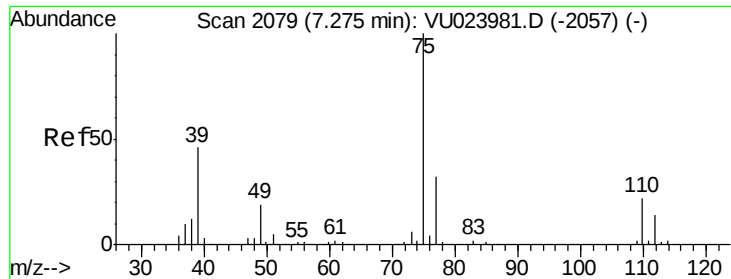
Tgt Ion: 63 Resp: 141313
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.2 4.8



#38
 Bromodichloromethane
 Concen: 49.55 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU024003.D
 Acq: 22 May 2018 06:11

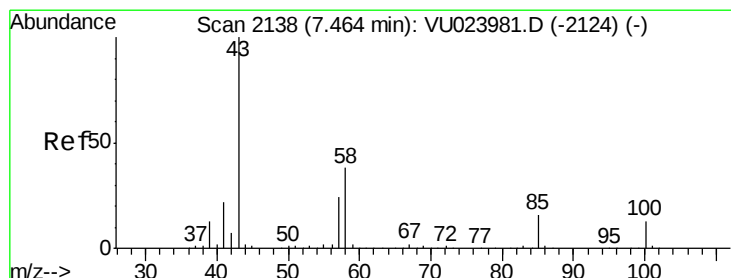
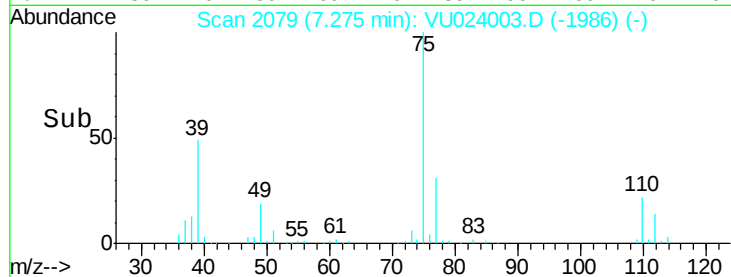
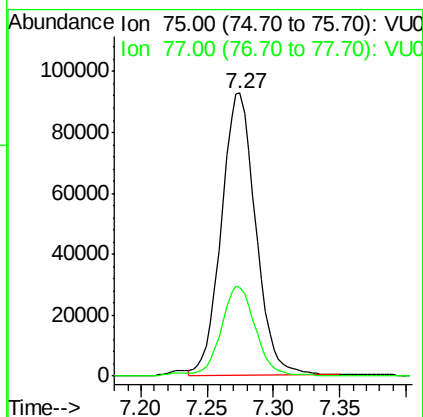
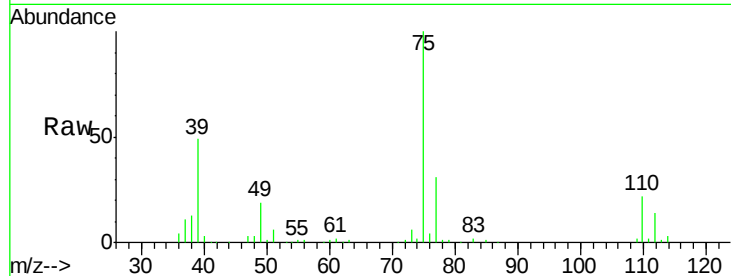
Tgt Ion: 83 Resp: 166583
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.8 85.0
 127 8.2 6.6 10.0





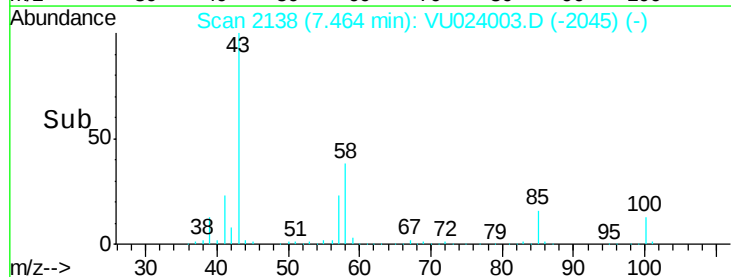
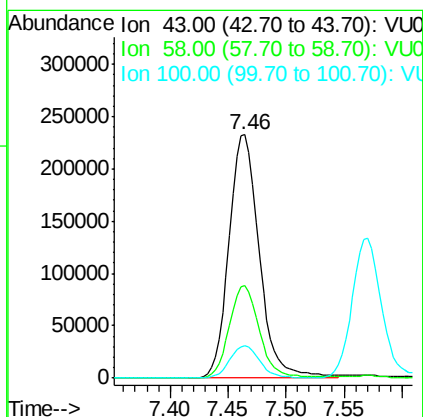
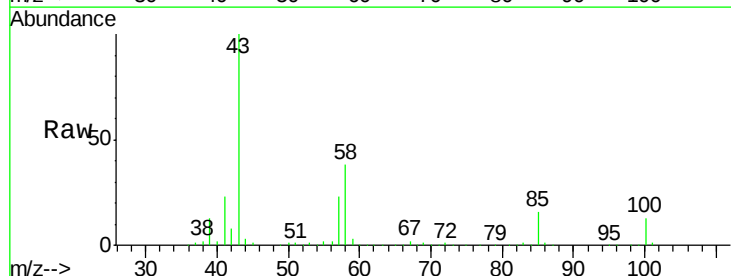
#39
 cis-1,3-Dichloropropene
 Concen: 44.41 ug/L
 RT: 7.27 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VU024003.D
 Acq: 22 May 2018 06:11

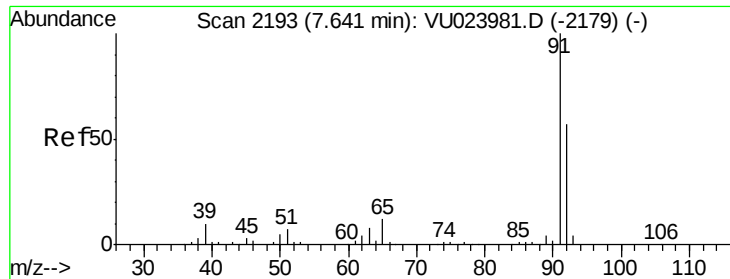
Tgt Ion: 75 Resp: 166284
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 105.83 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. -0.00 min
 Lab File: VU024003.D
 Acq: 22 May 2018 06:11

Tgt Ion: 43 Resp: 422947
 Ion Ratio Lower Upper
 43 100
 58 37.9 31.4 47.2
 100 13.1 11.2 16.8





#42

Toluene

Concen: 50.46 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024003.D

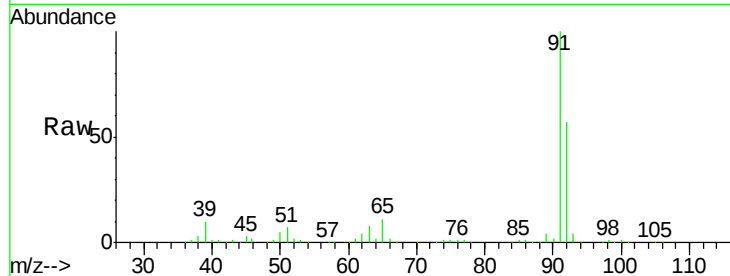
Acq: 22 May 2018 06:11

Tgt Ion: 91 Resp: 504144

Ion Ratio Lower Upper

91 100

92 57.5 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU023981.D (-2179) (-)

Ion 92.00 (91.70 to 92.70): VU023981.D (-2179) (-)

7.64

300000

250000

200000

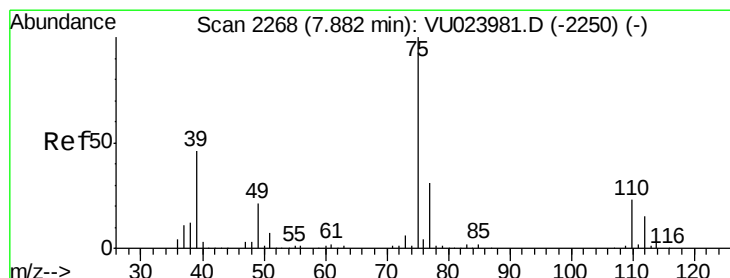
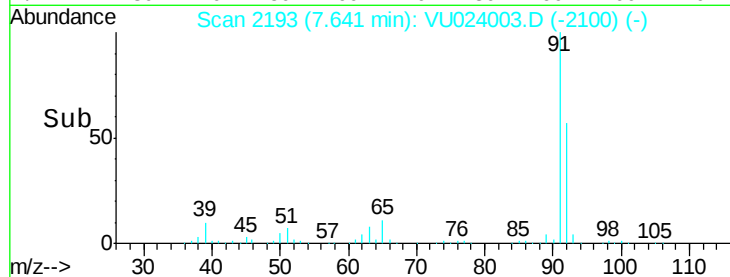
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 46.09 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024003.D

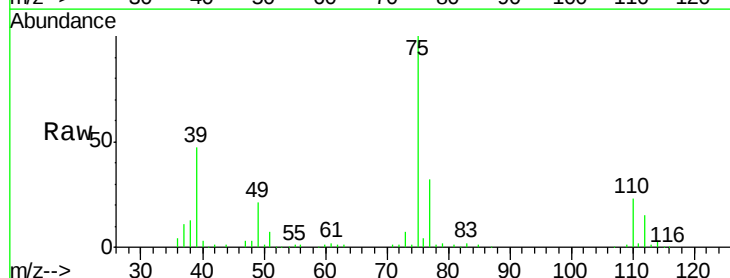
Acq: 22 May 2018 06:11

Tgt Ion: 75 Resp: 158915

Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VU023981.D (-2250) (-)

Ion 77.00 (76.70 to 77.70): VU023981.D (-2250) (-)

7.88

100000

80000

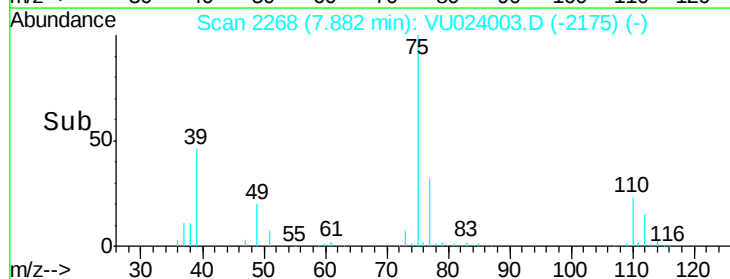
60000

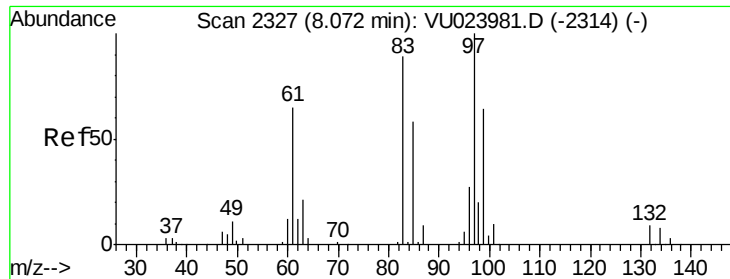
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 48.75 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU024003.D

Acq: 22 May 2018 06:11

Tgt Ion: 97 Resp: 124229

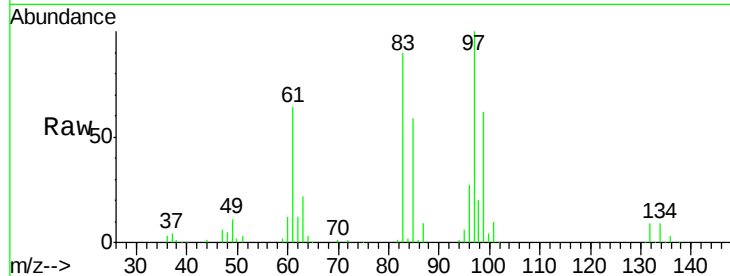
Ion Ratio Lower Upper

97 100

99 61.6 43.3 80.3

83 89.6 61.9 114.9

85 58.7 39.8 74.0

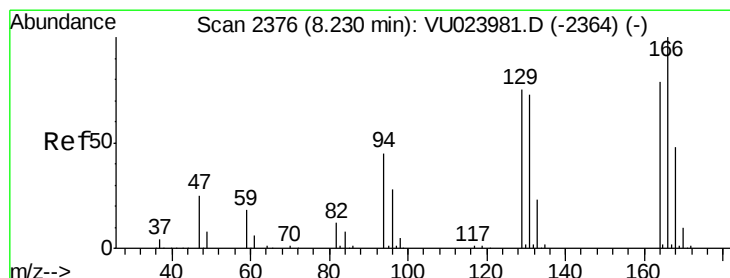
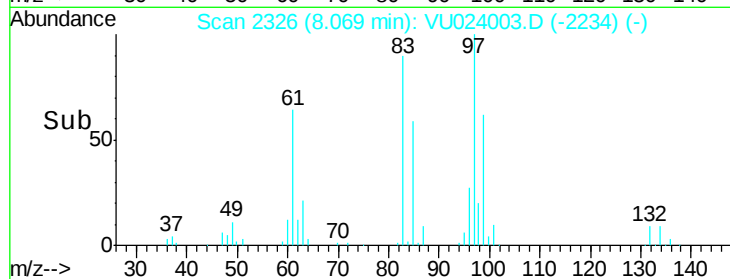
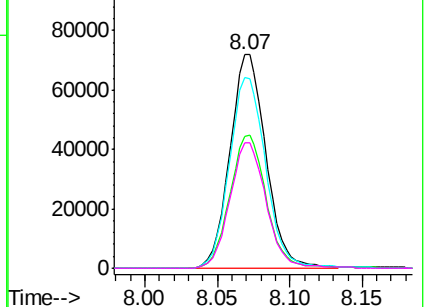


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 44.42 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU024003.D

Acq: 22 May 2018 06:11

Tgt Ion: 164 Resp: 88793

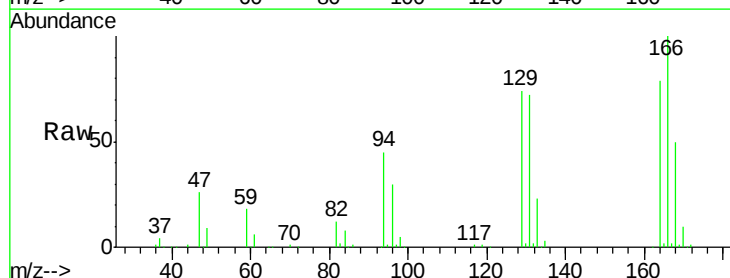
Ion Ratio Lower Upper

164 100

129 94.9 65.3 121.3

131 91.9 63.0 117.0

166 127.4 87.4 162.2

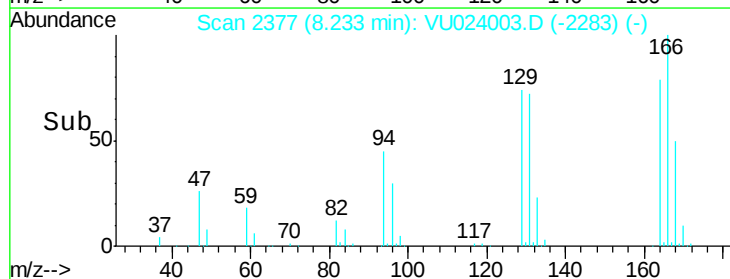
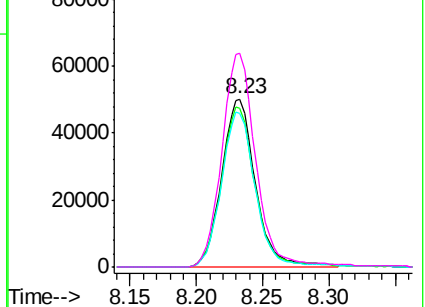


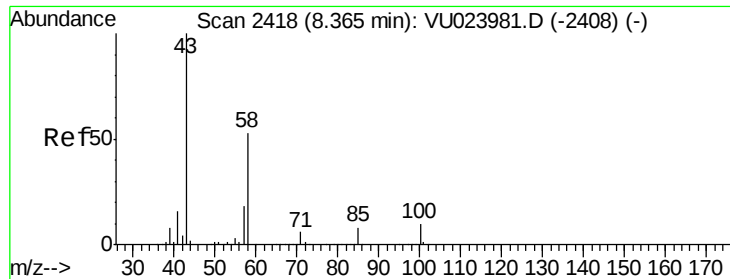
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

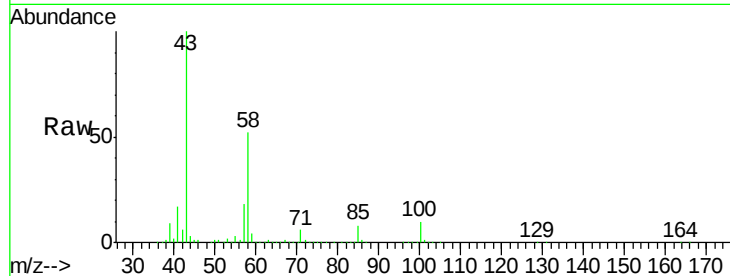
Ion 166.00 (165.70 to 166.70): V



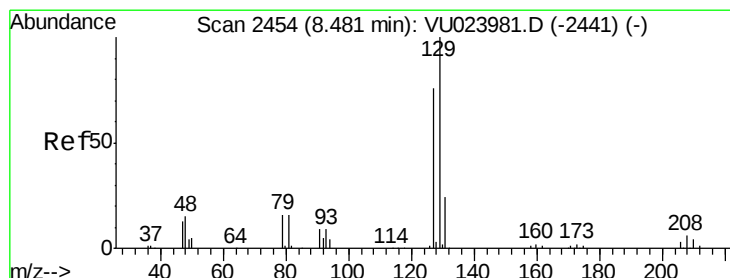
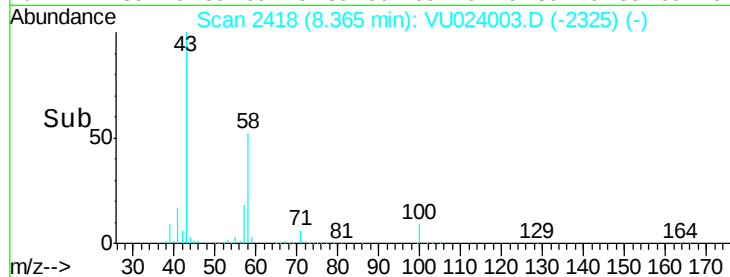
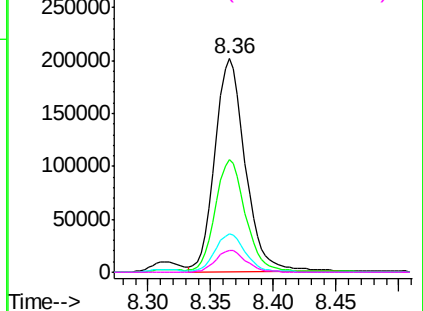


#48
2-Hexanone
Concen: 103.61 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024003.D
Acq: 22 May 2018 06:11

Tgt Ion:	43	Resp:	336275
Ion	Ratio	Lower	Upper
43	100		
58	53.0	42.6	63.8
57	18.0	14.9	22.3
100	10.5	8.5	12.7

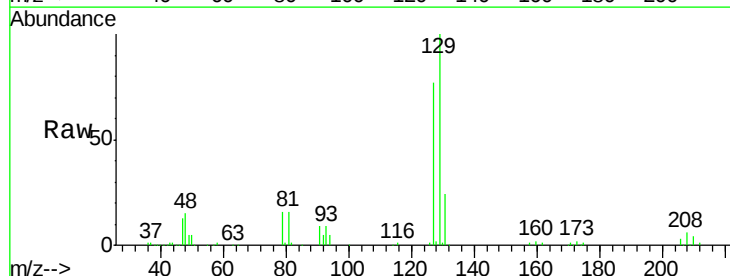


Abundance Ion 43.00 (42.70 to 43.70): VU023981.D (-2408) (-)
Ion 58.00 (57.70 to 58.70): VU023981.D (-2408) (-)
Ion 57.00 (56.70 to 57.70): VU023981.D (-2408) (-)
Ion 100.00 (99.70 to 100.70): VU023981.D (-2408) (-)

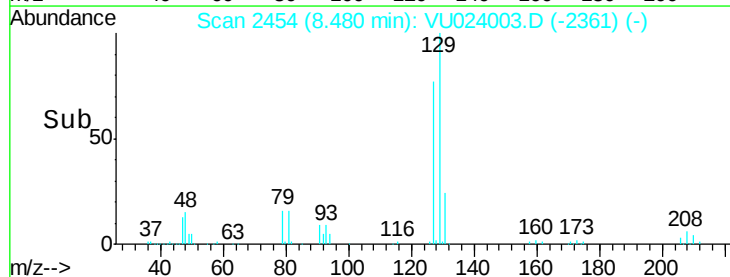
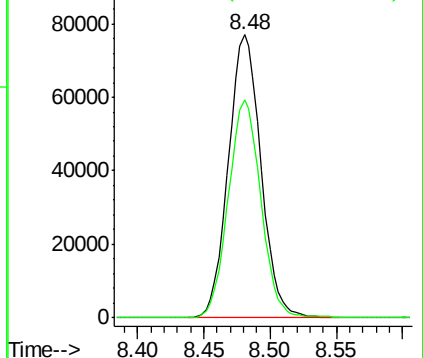


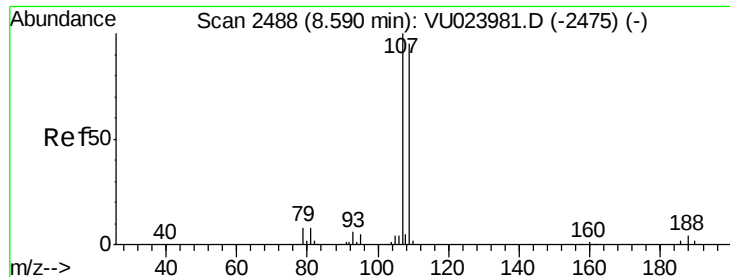
#49
Dibromochloromethane
Concen: 48.56 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024003.D
Acq: 22 May 2018 06:11

Tgt Ion:	129	Resp:	131559
Ion	Ratio	Lower	Upper
129	100		
127	77.1	53.5	99.5



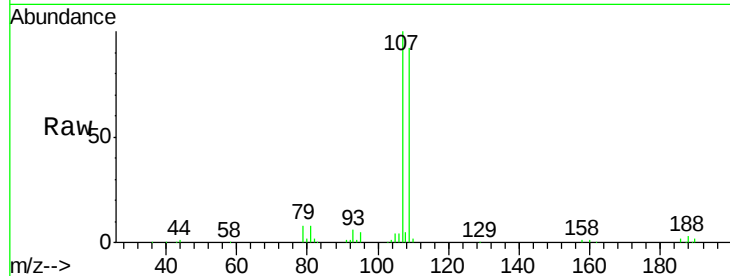
Abundance Ion 129.00 (128.70 to 129.70): VU023981.D (-2441) (-)
Ion 127.00 (126.70 to 127.70): VU023981.D (-2441) (-)



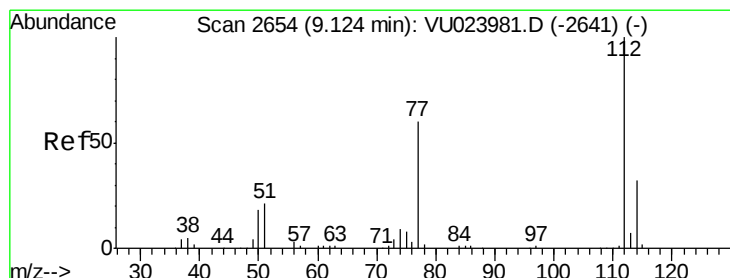
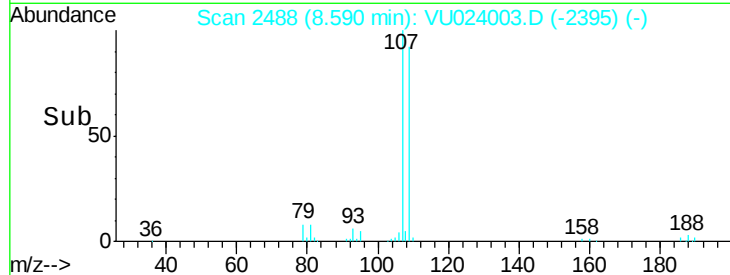
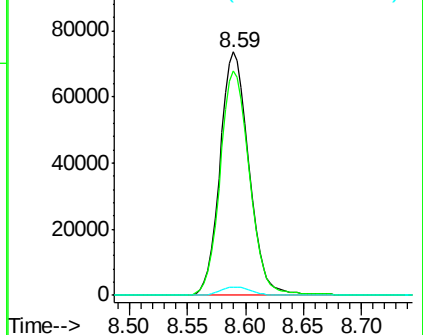


#50
1,2-Dibromoethane
Concen: 49.00 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU024003.D
Acq: 22 May 2018 06:11

Tgt Ion:	107	Resp:	127337
Ion	Ratio	Lower	Upper
107	100		
109	92.3	66.3	123.1
188	3.4	3.1	4.7

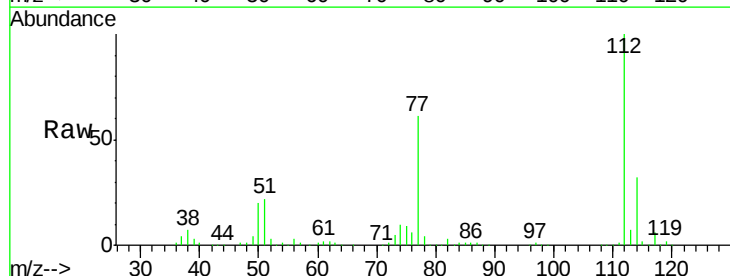


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

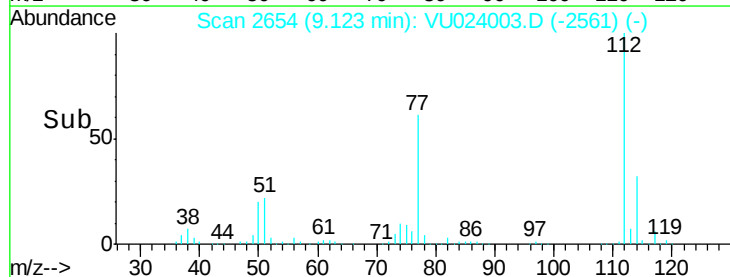
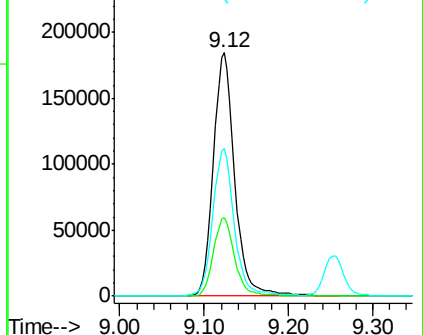


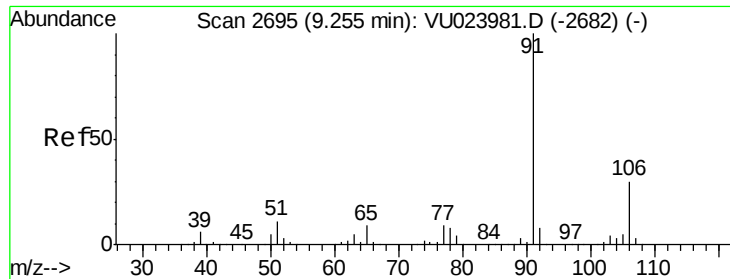
#51
Chlorobenzene
Concen: 47.95 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU024003.D
Acq: 22 May 2018 06:11

Tgt Ion:	112	Resp:	325022
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.7	42.1
77	60.6	46.7	70.1



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: 50.81 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU024003.D

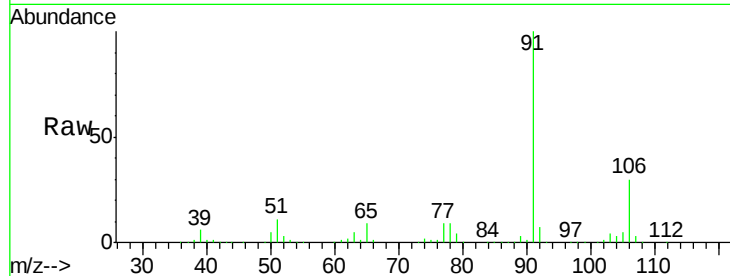
Acq: 22 May 2018 06:11

Tgt Ion: 91 Resp: 547184

Ion Ratio Lower Upper

91 100

106 30.3 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU023981.D (-2682) (-)

Ion 106.00 (105.70 to 106.70): VU023981.D (-2682) (-)

9.25

300000

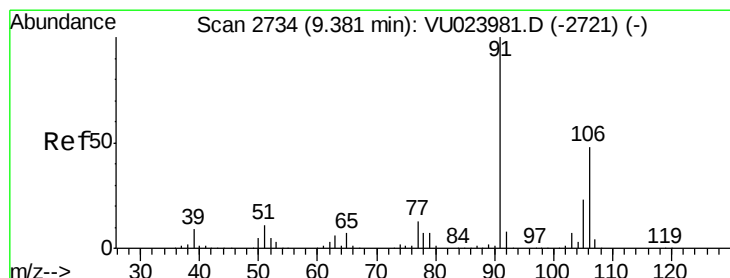
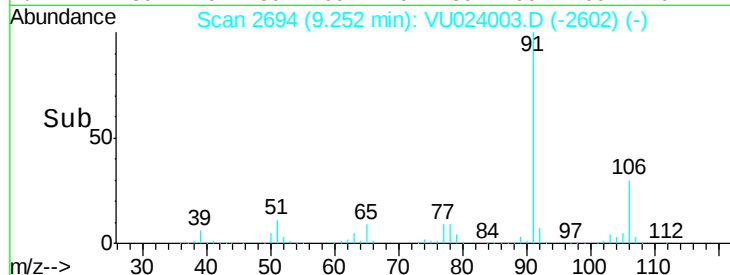
200000

100000

0

Time-->

9.15 9.20 9.25 9.30 9.35



#53

m,p-Xylene

Concen: 49.62 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU024003.D

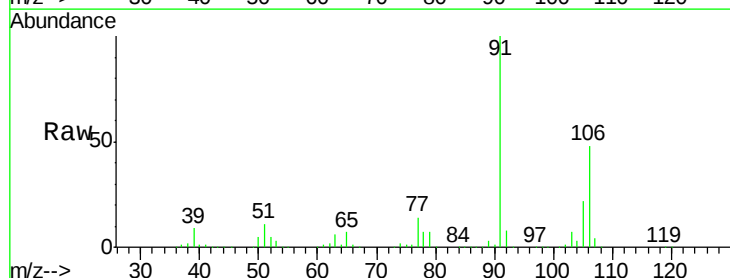
Acq: 22 May 2018 06:11

Tgt Ion: 106 Resp: 202511

Ion Ratio Lower Upper

106 100

91 207.9 141.8 263.4



Abundance Ion 106.00 (105.70 to 106.70): VU023981.D (-2721) (-)

Ion 91.00 (90.70 to 91.70): VU023981.D (-2721) (-)

9.38

300000

250000

200000

150000

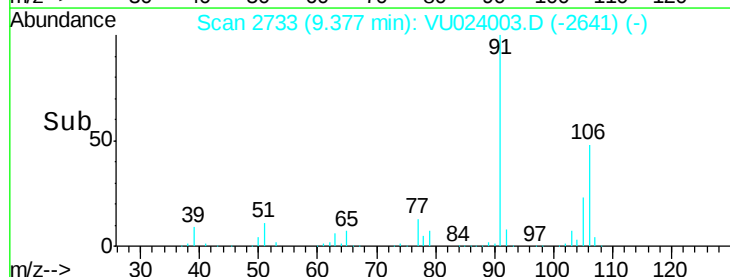
100000

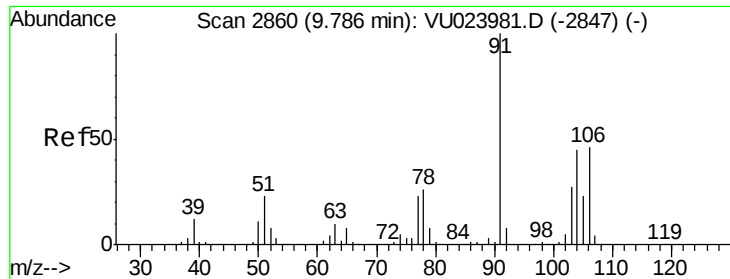
50000

0

Time-->

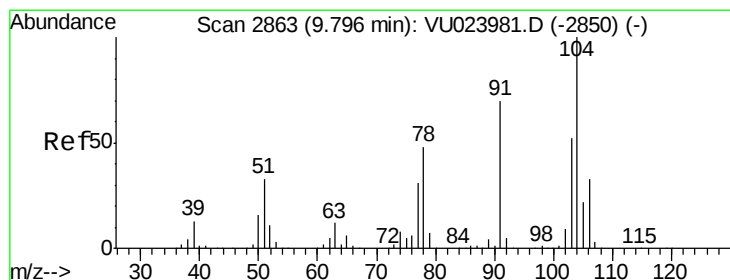
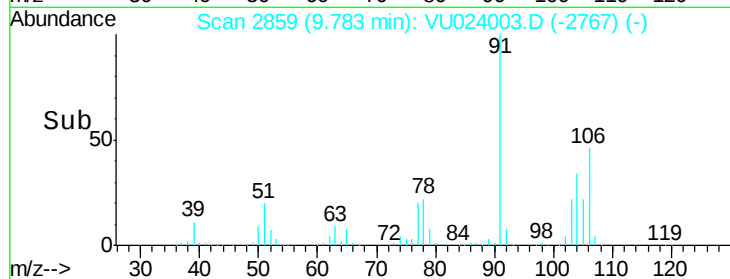
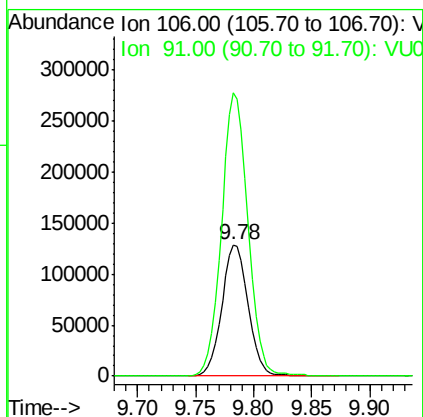
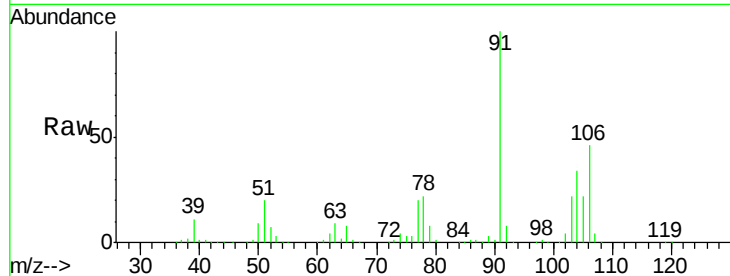
9.30 9.35 9.40 9.45





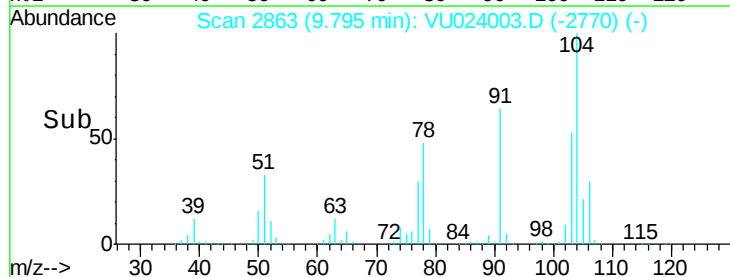
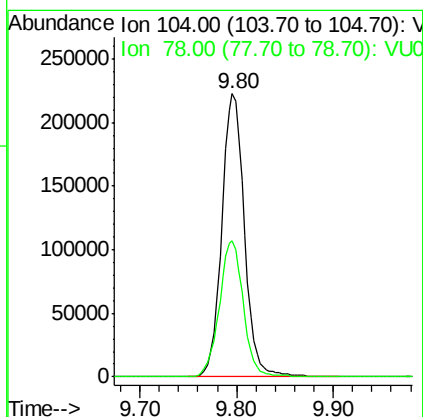
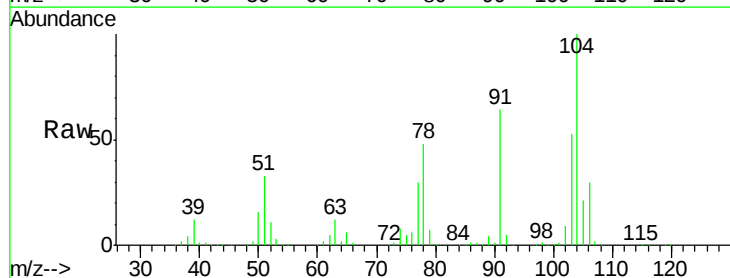
#54
o-xylene
Concen: 51.34 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024003.D
Acq: 22 May 2018 06:11

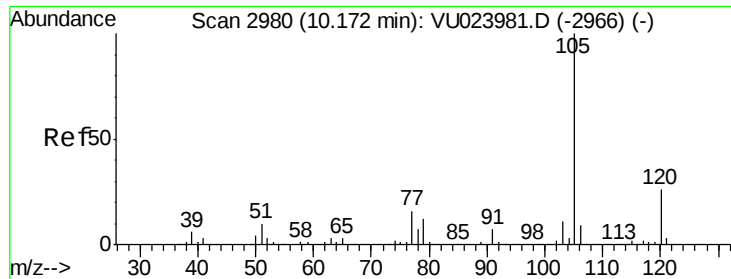
Tgt Ion:106 Resp: 203597
Ion Ratio Lower Upper
106 100
91 215.3 151.1 280.5



#55
Styrene
Concen: 52.12 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024003.D
Acq: 22 May 2018 06:11

Tgt Ion:104 Resp: 361376
Ion Ratio Lower Upper
104 100
78 48.2 32.0 59.4





#56

Isopropylbenzene

Concen: 50.41 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. -0.00 min

Lab File: VU024003.D

Acq: 22 May 2018 06:11

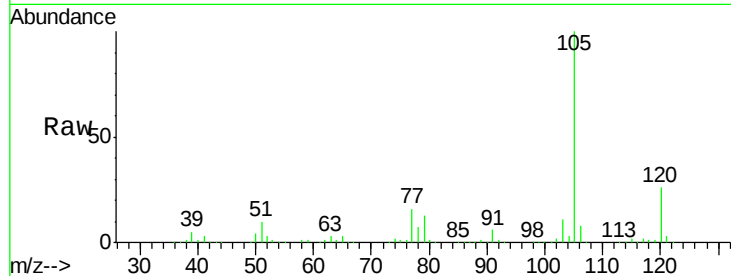
Tgt Ion: 105 Resp: 525744

Ion Ratio Lower Upper

105 100

120 26.8 21.1 31.7

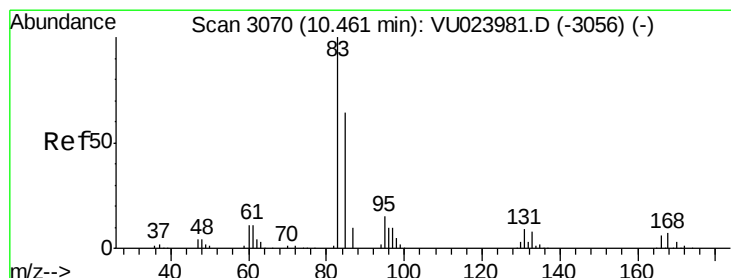
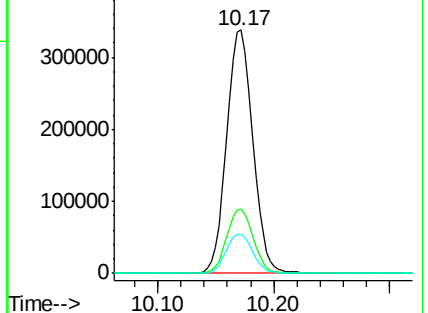
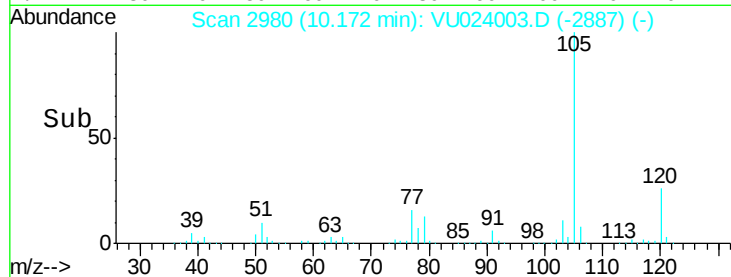
77 16.4 12.6 18.8



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: 49.03 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024003.D

Acq: 22 May 2018 06:11

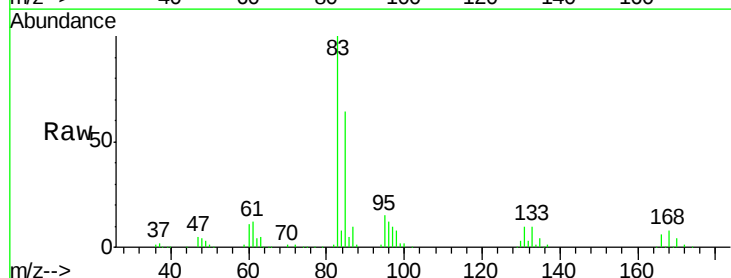
Tgt Ion: 83 Resp: 224860

Ion Ratio Lower Upper

83 100

85 64.0 45.2 84.0

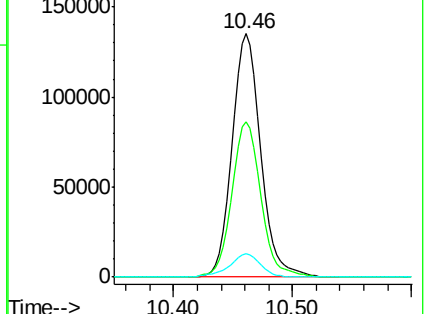
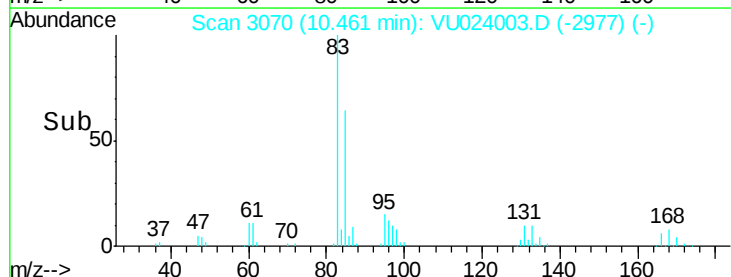
131 9.7 7.9 11.9

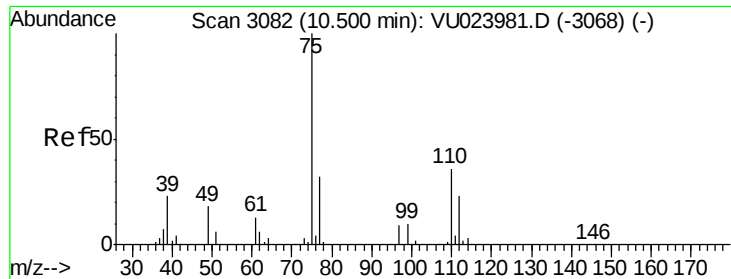


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

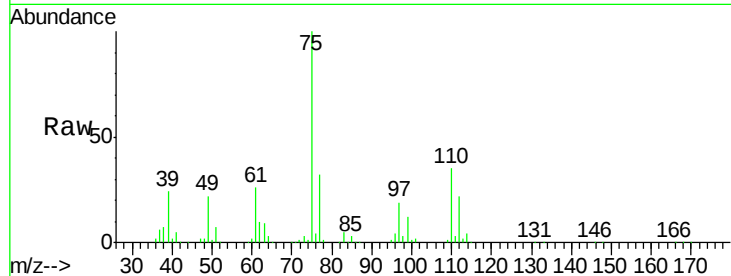
Ion 131.00 (130.70 to 131.70): V



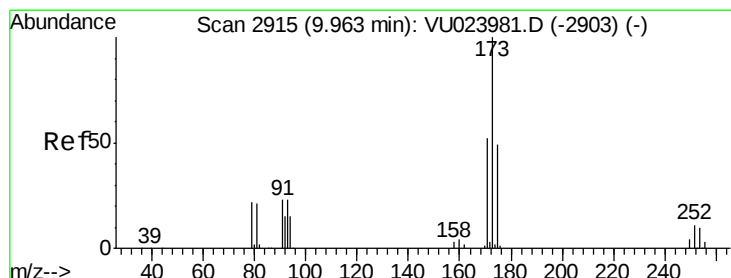
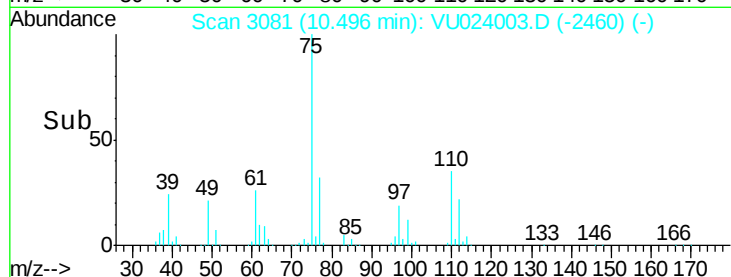
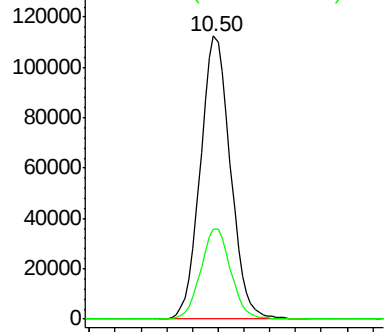


#59
 1,2,3-Trichloropropane
 Concen: 49.37 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU024003.D
 Acq: 22 May 2018 06:11

Tgt Ion: 75 Resp: 181757
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.2 39.4

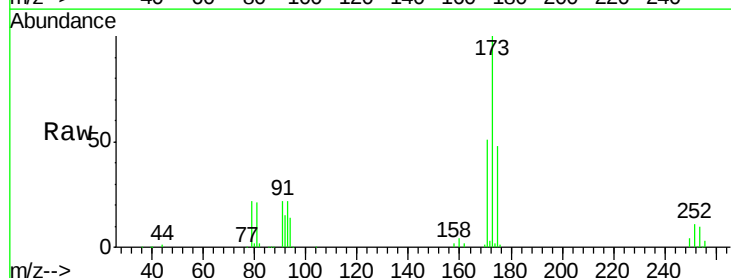


Abundance Ion 75.00 (74.70 to 75.70): VU023981.D (-3068) (-)
 Ion 77.00 (76.70 to 77.70): VU023981.D (-3068) (-)

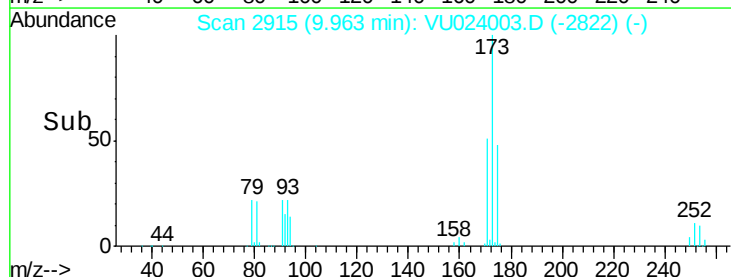
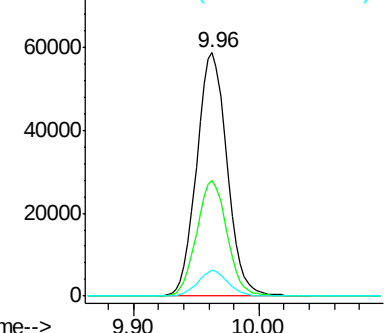


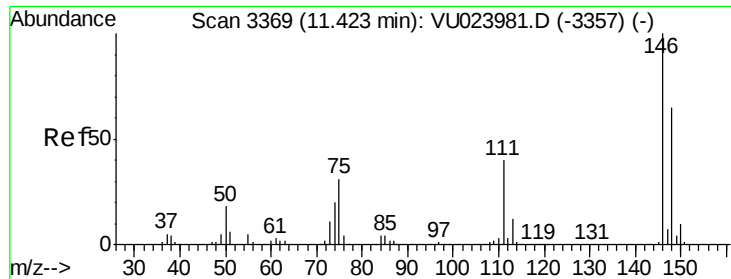
#61
 Bromoform
 Concen: 47.50 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU024003.D
 Acq: 22 May 2018 06:11

Tgt Ion: 173 Resp: 98996
 Ion Ratio Lower Upper
 173 100
 175 47.4 38.7 58.1
 254 10.4 8.9 13.3



Abundance Ion 173.00 (172.70 to 173.70): VU023981.D (-2903) (-)
 Ion 175.00 (174.70 to 175.70): VU023981.D (-2903) (-)
 Ion 254.00 (253.70 to 254.70): VU023981.D (-2903) (-)





#62

1,3-Dichlorobenzene

Concen: 47.82 ug/L

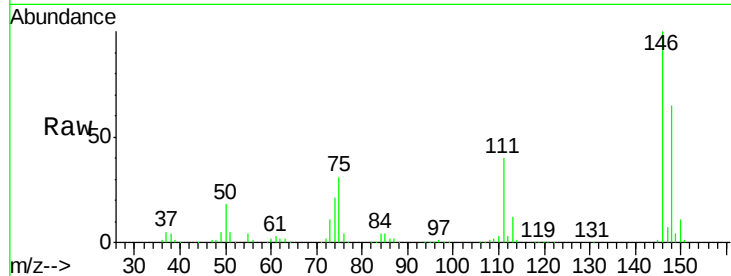
RT: 11.42 min Scan# 3369

Delta R.T. -0.00 min

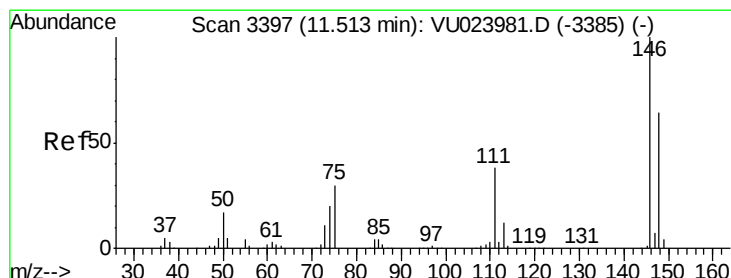
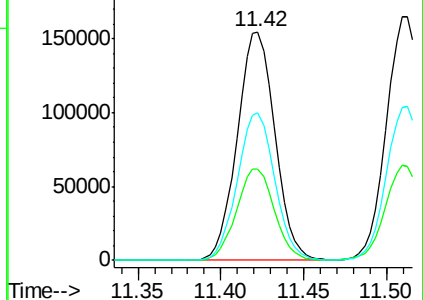
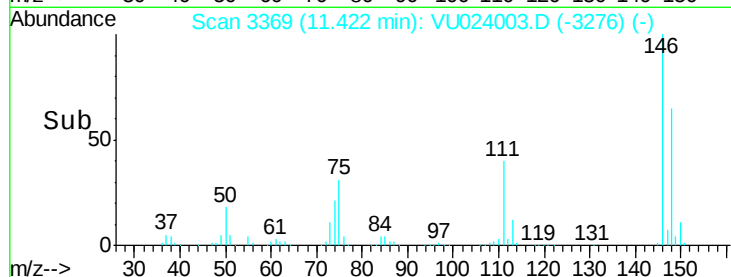
Lab File: VU024003.D

Acq: 22 May 2018 06:11

Tgt Ion:	146	Resp:	245609
Ion	Ratio	Lower	Upper
146	100		
111	40.1	27.6	51.4
148	64.6	45.4	84.2



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



#63

1,4-Dichlorobenzene

Concen: 47.48 ug/L

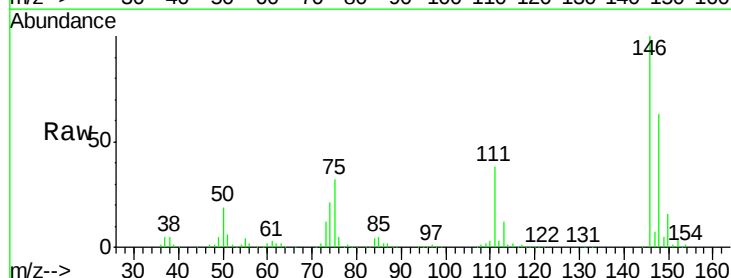
RT: 11.51 min Scan# 3397

Delta R.T. -0.00 min

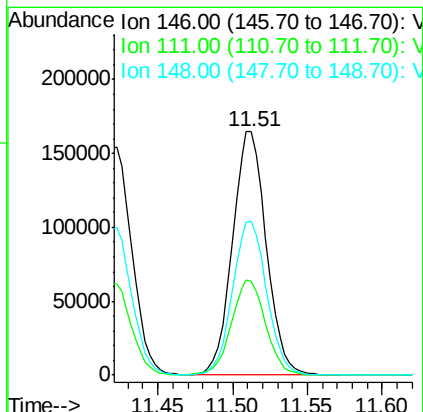
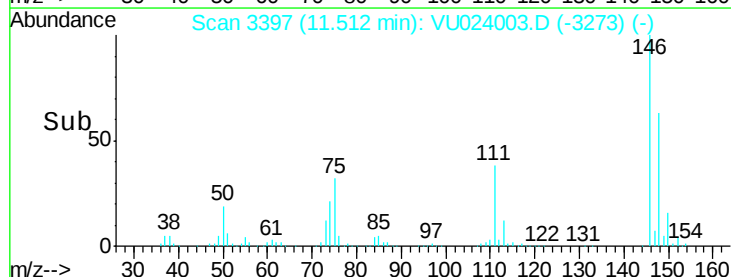
Lab File: VU024003.D

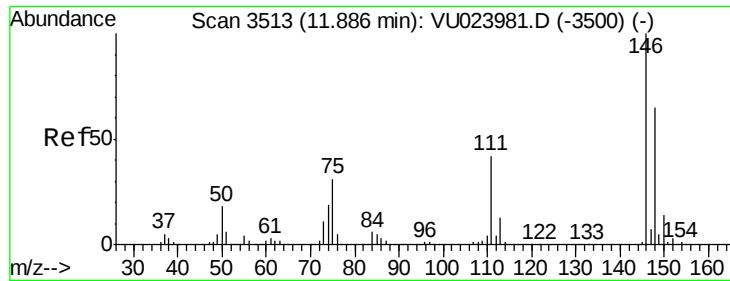
Acq: 22 May 2018 06:11

Tgt Ion:	146	Resp:	258469
Ion	Ratio	Lower	Upper
146	100		
111	38.3	27.0	50.2
148	63.0	45.2	84.0



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





#65

1,2-Dichlorobenzene

Concen: 48.09 ug/L

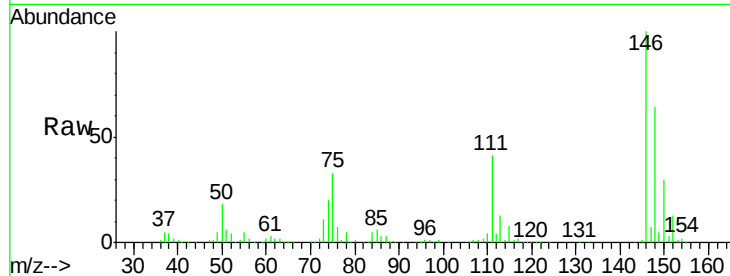
RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024003.D

Acq: 22 May 2018 06:11

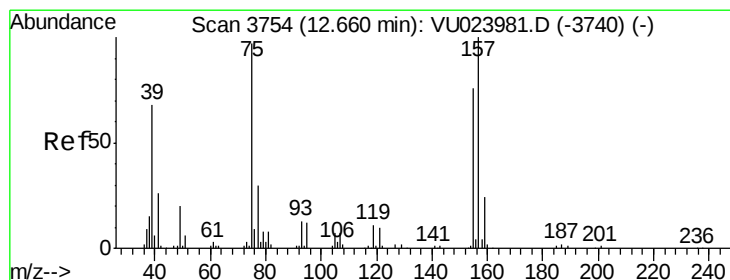
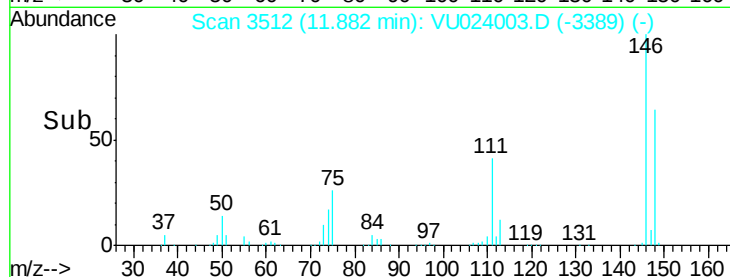
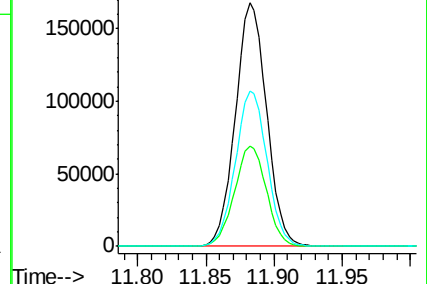
Tgt Ion:	146	Resp:	266403
Ion	Ratio	Lower	Upper
146	100		
111	41.4	32.1	48.1
148	63.8	49.8	74.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 49.96 ug/L

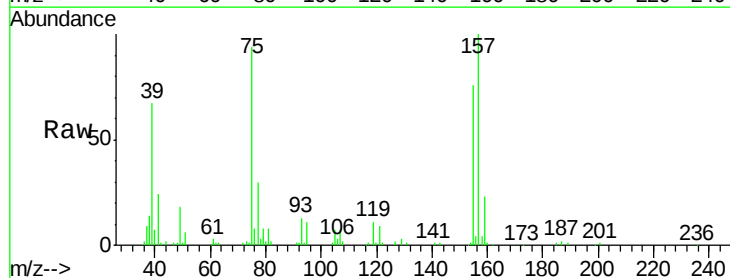
RT: 12.66 min Scan# 3754

Delta R.T. -0.00 min

Lab File: VU024003.D

Acq: 22 May 2018 06:11

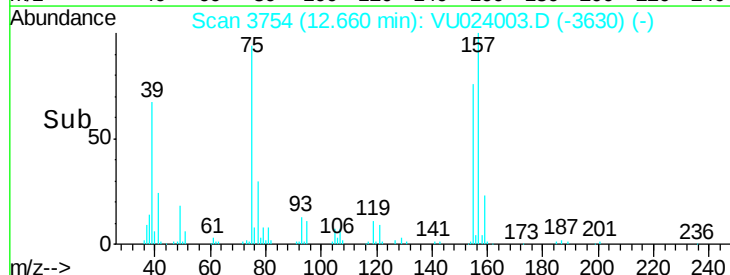
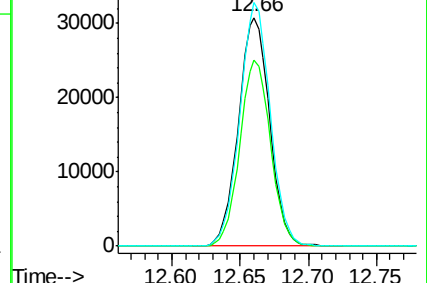
Tgt Ion:	75	Resp:	48818
Ion	Ratio	Lower	Upper
75	100		
155	81.2	69.4	104.2
157	106.6	88.4	132.6

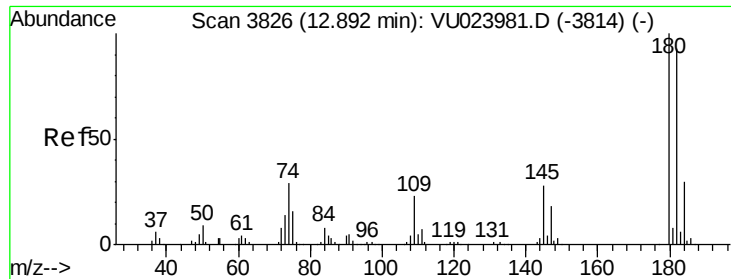


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

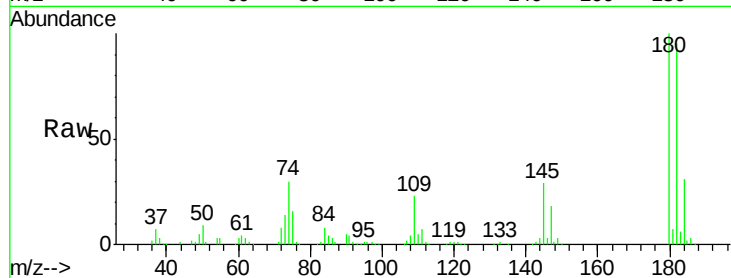
Ion 157.00 (156.70 to 157.70): V



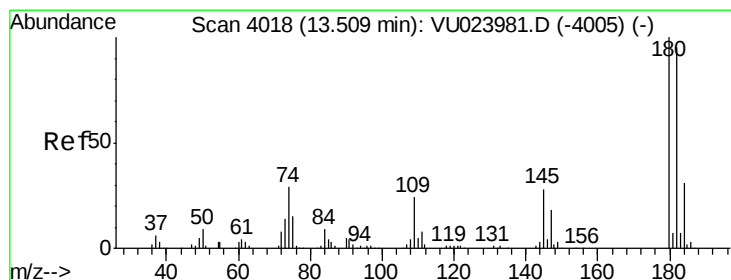
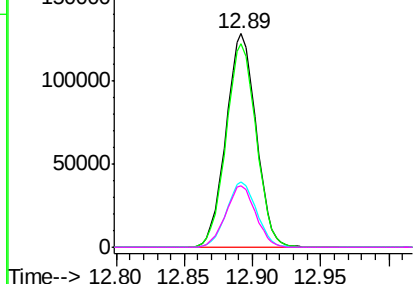
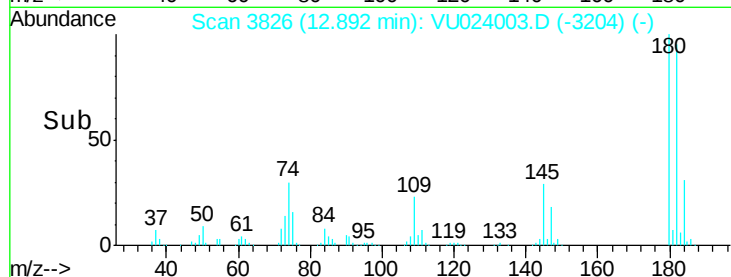


#67
 1,3,5-Trichlorobenzene
 Concen: 46.34 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU024003.D
 Acq: 22 May 2018 06:11

Tgt Ion:	180	Resp:	196824
Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.4	116.2
184	30.7	24.2	36.4
145	28.5	22.5	33.7

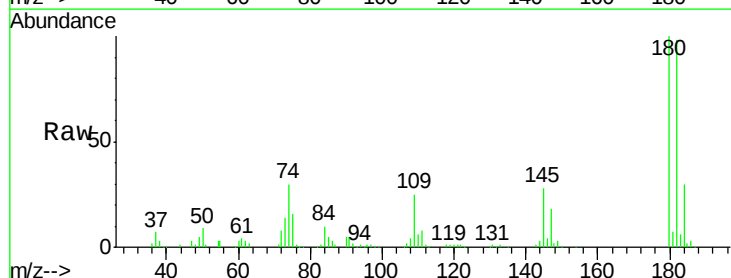


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

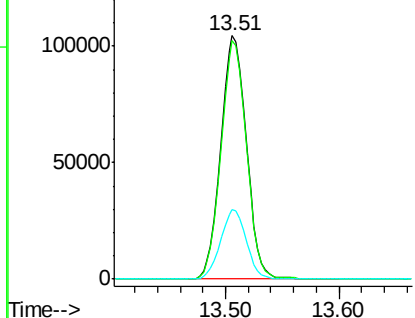
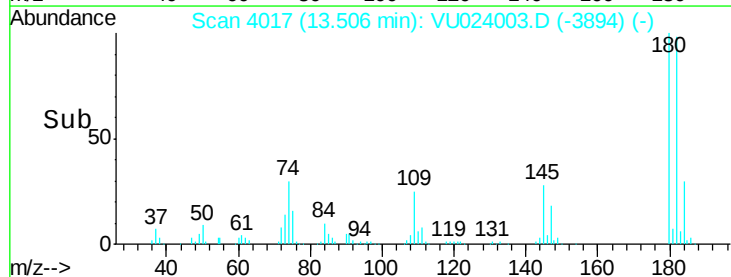


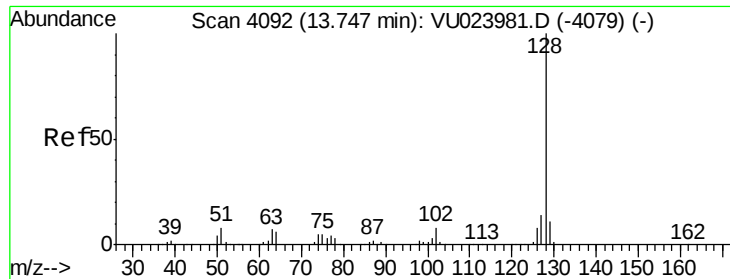
#68
 1,2,4-trichlorobenzene
 Concen: 47.45 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024003.D
 Acq: 22 May 2018 06:11

Tgt Ion:	180	Resp:	165048
Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.1	114.1
145	28.6	23.0	34.4



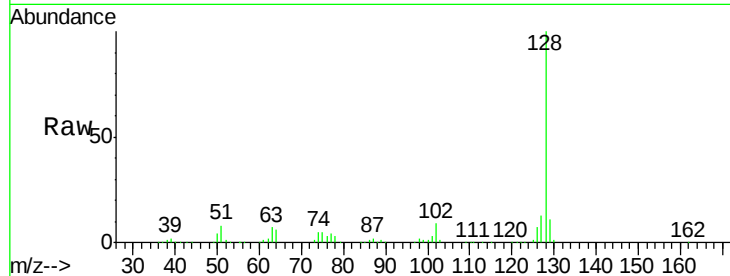
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



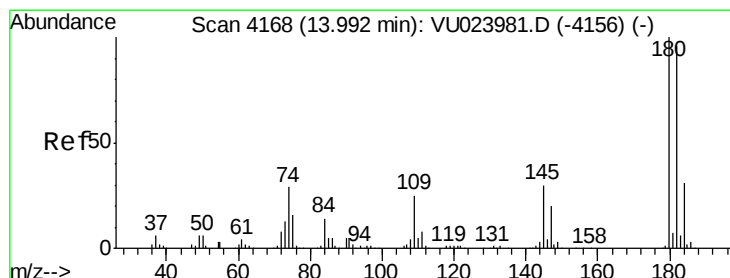
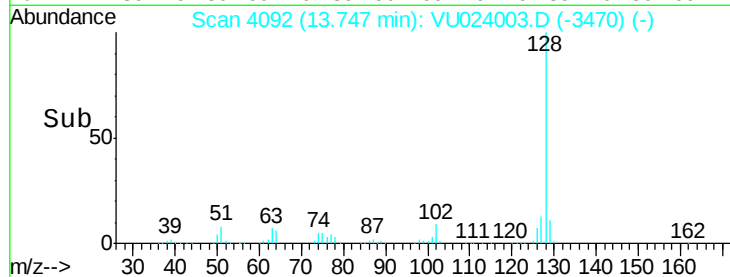
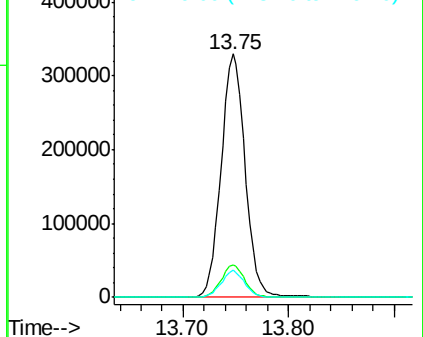


#69
Naphthalene
Concen: 52.47 ug/L
RT: 13.75 min Scan# 4092
Delta R.T. -0.00 min
Lab File: VU024003.D
Acq: 22 May 2018 06:11

Tgt Ion:	128	Resp:	519662
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.8	8.6	12.8

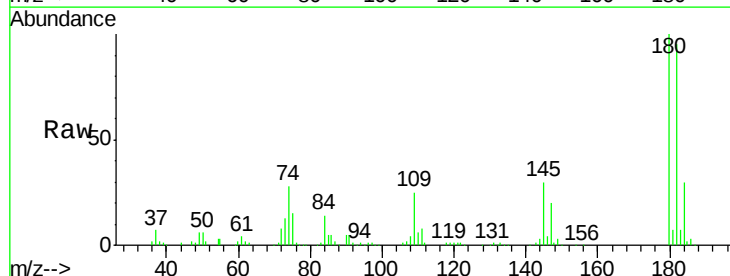


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70
1,2,3-Trichlorobenzene
Concen: 49.74 ug/L
RT: 13.99 min Scan# 4168
Delta R.T. -0.00 min
Lab File: VU024003.D
Acq: 22 May 2018 06:11

Tgt Ion:	180	Resp:	185150
Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.6	113.4
145	30.8	23.9	35.9



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

