

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071818\
 Data File : VU025510.D
 Acq On : 18 Jul 2018 20:40
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 19 01:10:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 19 01:07:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	306100	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	284386	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	146502	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56820	39.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.72%
7) Chloroethane-d5	1.68	69	54317	44.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.34%
11) 1,1-Dichloroethene-d2	2.28	63	151278	47.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.46%
21) 2-Butanone-d5	4.18	46	139699	90.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.95%
24) Chloroform-d	4.65	84	178556	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
26) 1,2-Dichloroethane-d4	5.31	65	117124	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.92%
32) Benzene-d6	5.35	84	316619	46.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.14%
36) 1,2-Dichloropropane-d6	6.34	67	107347	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.34%
41) Toluene-d8	7.57	98	305457	45.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.84%
43) trans-1,3-Dichloropropene-	7.85	79	53011	44.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.48%
47) 2-Hexanone-d5	8.31	63	102536	86.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.90%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	162534	48.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	138664	47.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.46%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	125372	49.784	ug/L 100
3) Chloromethane	1.33	50	103946	46.642	ug/L 98
5) Vinyl chloride	1.41	62	111180	49.617	ug/L 100
6) Bromomethane	1.63	94	41230	33.760	ug/L 99
8) Chloroethane	1.70	64	69638	51.932	ug/L 97
9) Trichlorofluoromethane	1.89	101	168033	51.009	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	98258	54.937	ug/L 100
12) 1,1-Dichloroethene	2.29	96	88170	53.143	ug/L 94
13) Acetone	2.32	43	124544	92.850	ug/L 99
14) Carbon disulfide	2.48	76	259804	48.461	ug/L 99
15) Methyl Acetate	2.62	43	119241	48.102	ug/L 100
16) Methylene chloride	2.71	84	116432	53.663	ug/L 98
17) trans-1,2-Dichloroethene	2.99	96	100766	51.347	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	356125	51.216	ug/L 100
19) 1,1-Dichloroethane	3.45	63	201336	51.287	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	119273	49.641	ug/L 99
22) 2-Butanone	4.26	43	174167	94.334	ug/L 100

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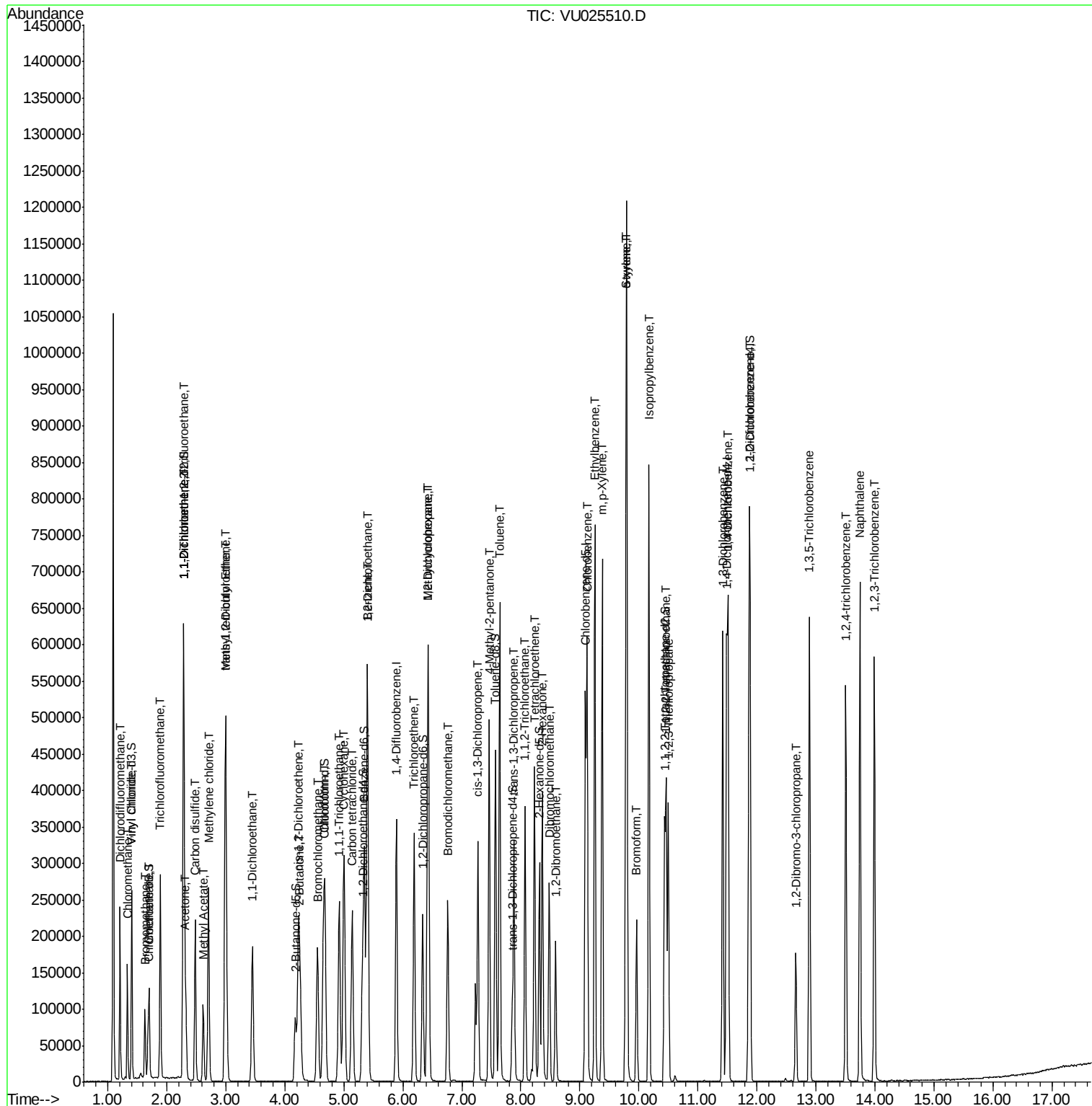
Quant Time: Jul 19 01:10:23 2018
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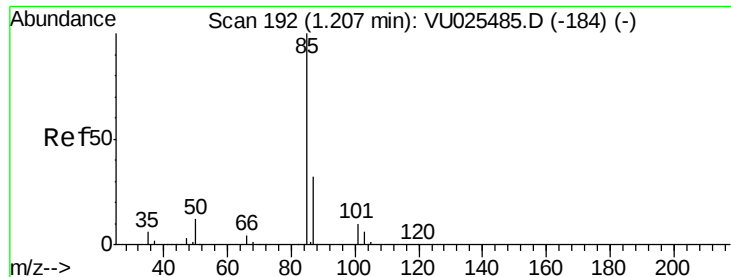
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	64228	53.333	ug/L	98
25) Chloroform	4.68	83	211577	51.291	ug/L	98
27) 1,2-Dichloroethane	5.41	62	174885	51.052	ug/L	99
29) Cyclohexane	5.00	56	169408	51.730	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	194055	51.276	ug/L	100
31) Carbon tetrachloride	5.14	117	170238	51.204	ug/L	99
33) Benzene	5.39	78	435567	51.771	ug/L	100
34) Trichloroethene	6.19	95	113073	50.770	ug/L	97
35) Methylcyclohexane	6.42	83	175213	51.816	ug/L	99
37) 1,2-Dichloropropane	6.44	63	118405	51.017	ug/L	99
38) Bromodichloromethane	6.76	83	158676	50.635	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	184046	51.181	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	325910	96.823	ug/L	99
42) Toluene	7.64	91	475966	53.057	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	175775	50.918	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	116799	53.079	ug/L	99
46) Tetrachloroethene	8.23	164	96694	52.044	ug/L	98
48) 2-Hexanone	8.36	43	251025	93.342	ug/L	99
49) Dibromochloromethane	8.48	129	138475	51.984	ug/L	97
50) 1,2-Dibromoethane	8.59	107	124452	51.240	ug/L	100
51) Chlorobenzene	9.12	112	314711	52.284	ug/L	100
52) Ethylbenzene	9.25	91	524489	52.376	ug/L	99
53) m,p-Xylene	9.38	106	202622	52.791	ug/L	96
54) o-xylene	9.78	106	204673	52.859	ug/L	96
55) Styrene	9.80	104	341986	53.475	ug/L	99
56) Isopropylbenzene	10.17	105	536510	53.504	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	193063	50.960	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	151640	49.132	ug/L	100
61) Bromoform	9.96	173	101560	49.144	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	247684	51.010	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	252492	51.457	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	264717	51.631	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	42200	43.982	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	197536	52.928	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	168090	50.508	ug/L	98
69) Naphthalene	13.74	128	545075	47.336	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	181623	50.602	ug/L	98

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

```
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#2

Dichlorodifluoromethane

Concen: 49.784 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025510.D

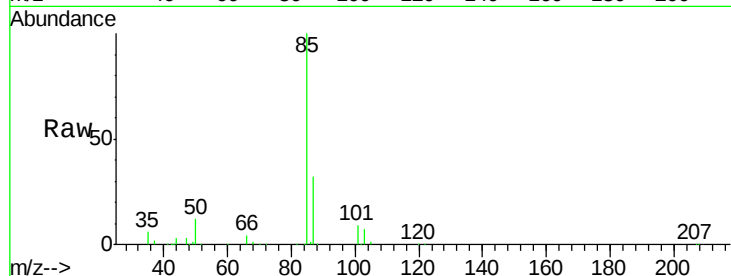
Acq: 18 Jul 2018 20:40

Tgt Ion: 85 Resp: 125372

Ion Ratio Lower Upper

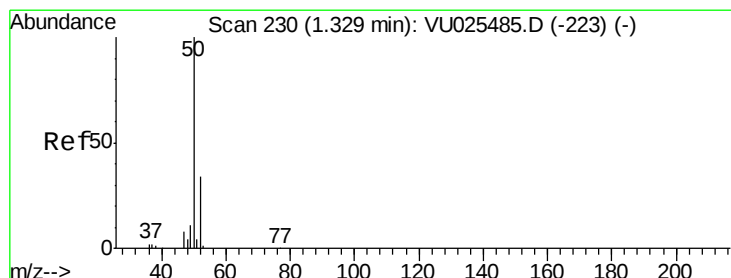
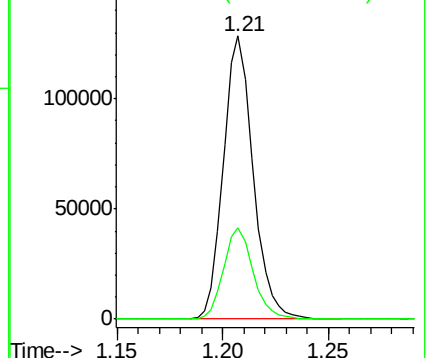
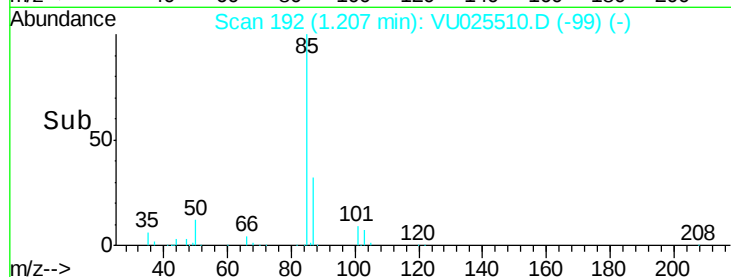
85 100

87 32.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU025510.D (-99) (-)

Ion 87.00 (86.70 to 87.70): VU025510.D (-99) (-)



#3

Chloromethane

Concen: 46.642 ug/L

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025510.D

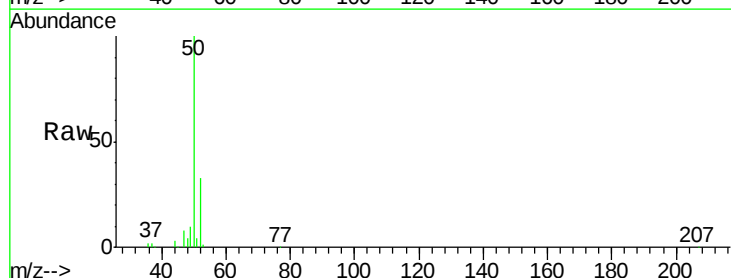
Acq: 18 Jul 2018 20:40

Tgt Ion: 50 Resp: 103946

Ion Ratio Lower Upper

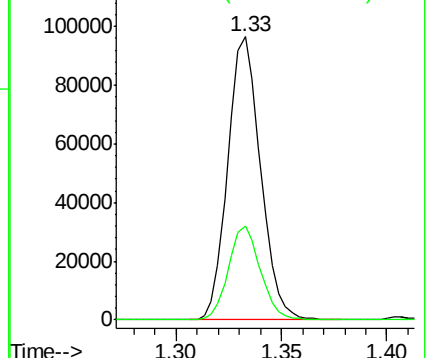
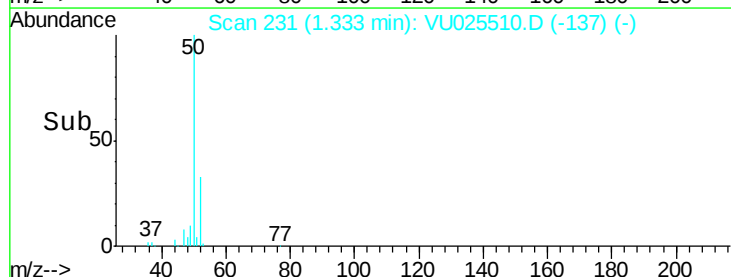
50 100

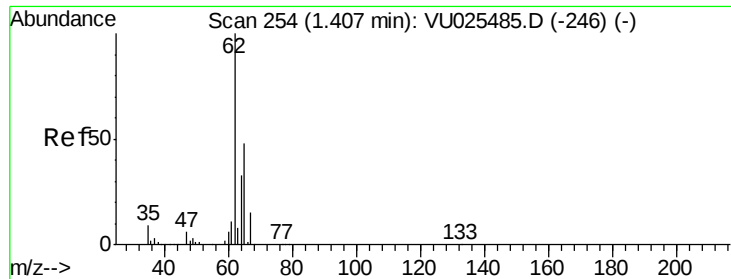
52 33.4 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VU025510.D (-137) (-)

Ion 52.00 (51.70 to 52.70): VU025510.D (-137) (-)





#5

Vinyl chloride

Concen: 49.617 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025510.D

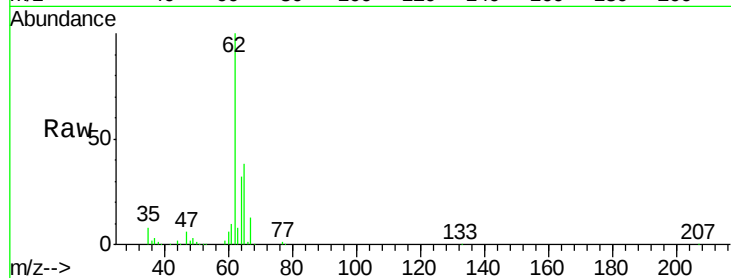
Acq: 18 Jul 2018 20:40

Tgt Ion: 62 Resp: 111180

Ion Ratio Lower Upper

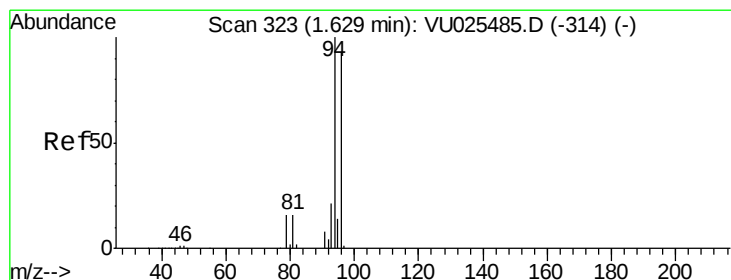
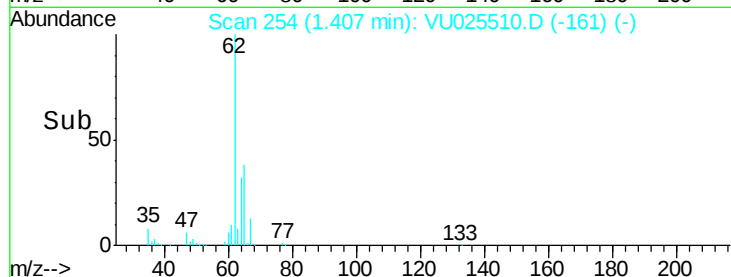
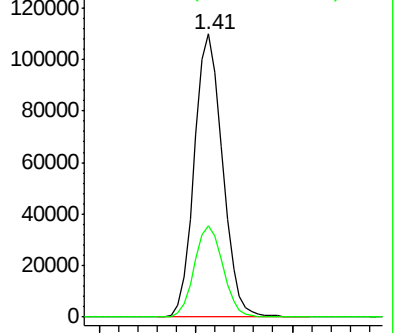
62 100

64 32.5 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 33.760 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU025510.D

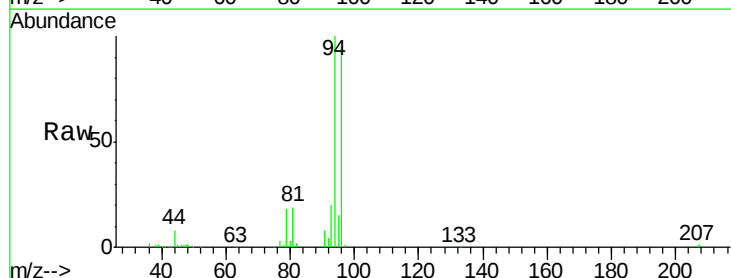
Acq: 18 Jul 2018 20:40

Tgt Ion: 94 Resp: 41230

Ion Ratio Lower Upper

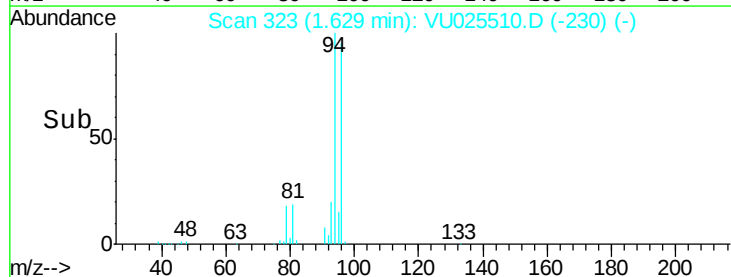
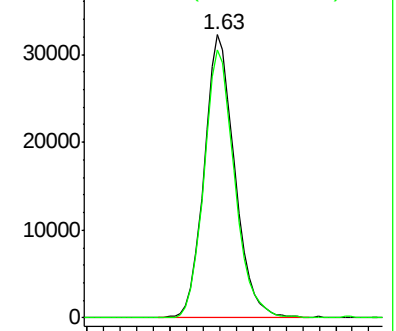
94 100

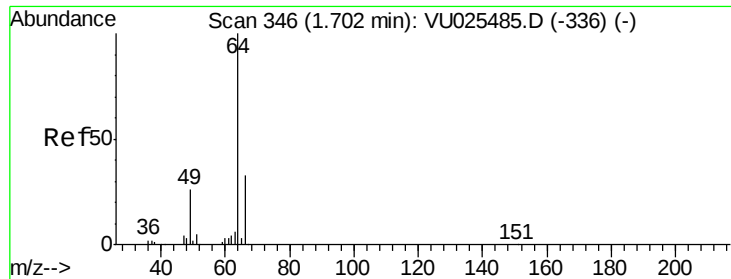
96 94.8 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 51.932 ug/L

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU025510.D

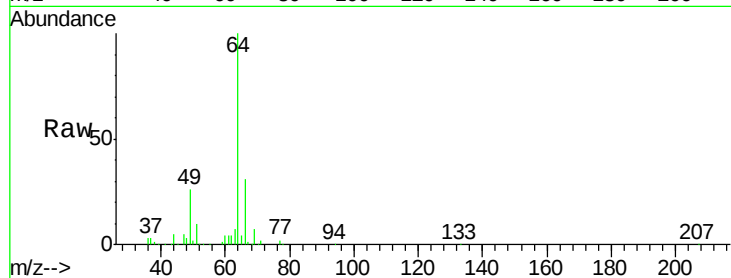
Acq: 18 Jul 2018 20:40

Tgt Ion: 64 Resp: 69638

Ion Ratio Lower Upper

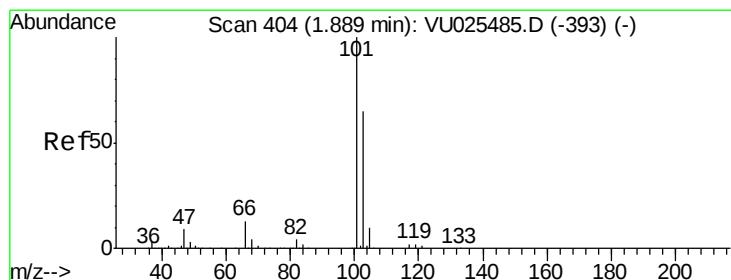
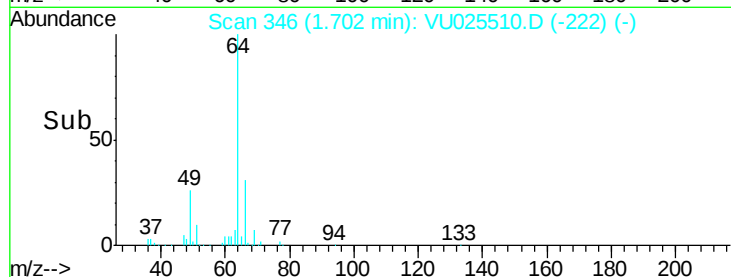
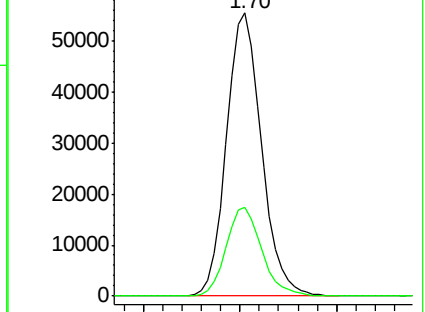
64 100

66 31.3 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU025510.D (-222) (-)

Ion 66.00 (65.70 to 66.70): VU025510.D (-222) (-)



#9

Trichlorofluoromethane

Concen: 51.009 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU025510.D

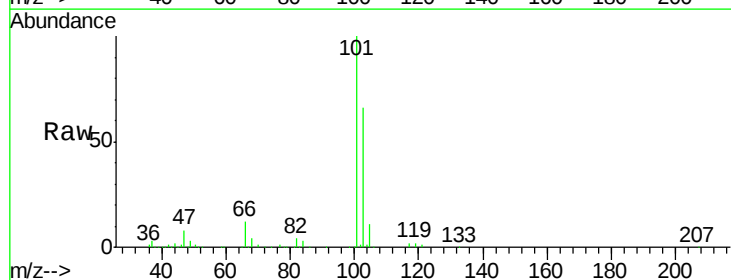
Acq: 18 Jul 2018 20:40

Tgt Ion: 101 Resp: 168033

Ion Ratio Lower Upper

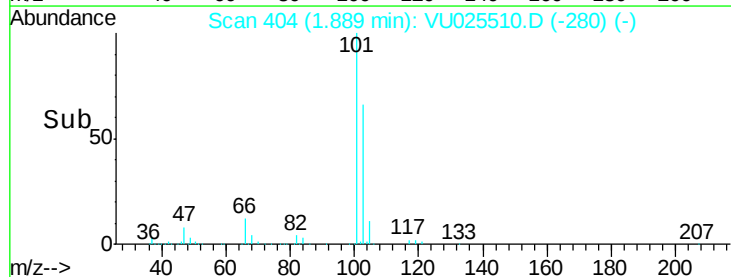
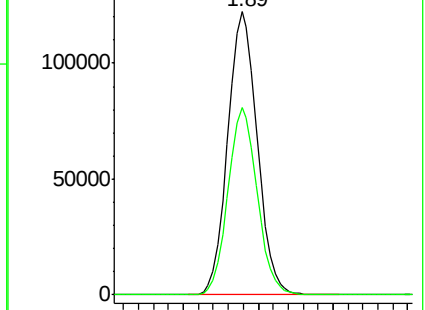
101 100

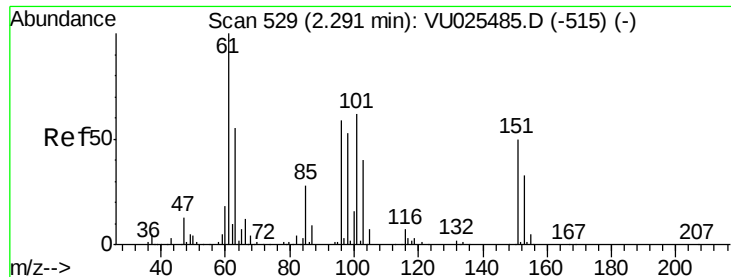
103 65.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU025510.D (-280) (-)

Ion 103.00 (102.70 to 103.70): VU025510.D (-280) (-)





#10

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

Concen: 54.937 ug/L

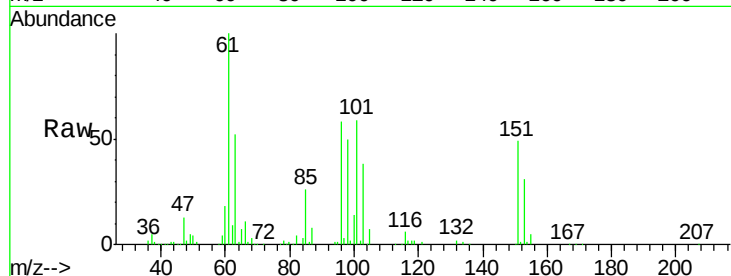
RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025510.D

Acq: 18 Jul 2018 20:40

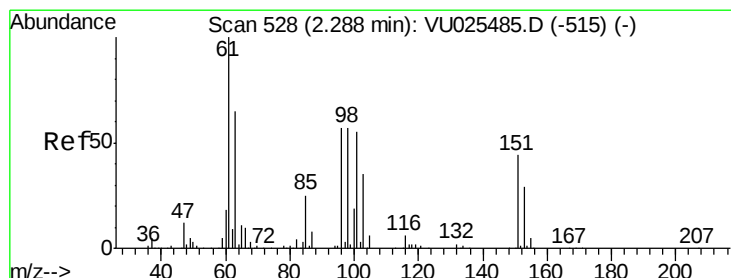
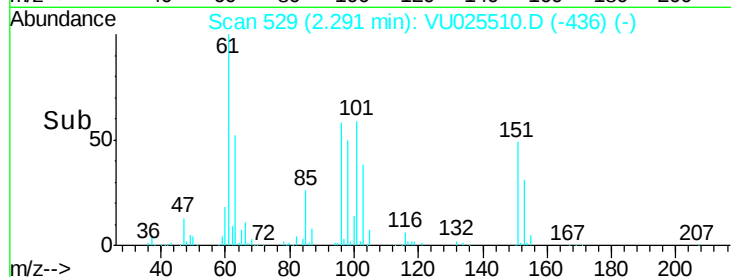
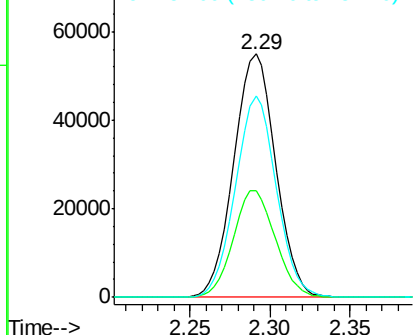
Tgt Ion:	101	Resp:	98258
Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.4	53.2
151	80.8	65.0	97.4



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: 53.143 ug/L

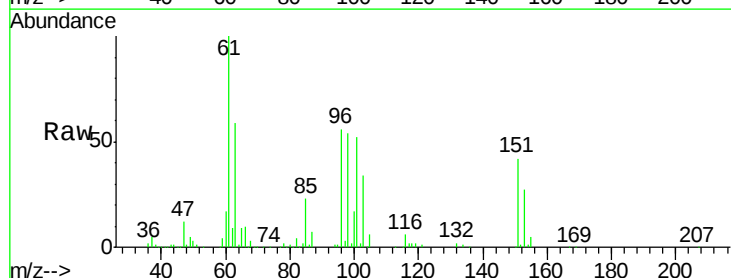
RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025510.D

Acq: 18 Jul 2018 20:40

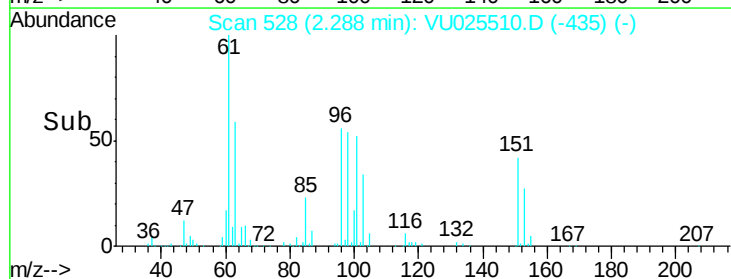
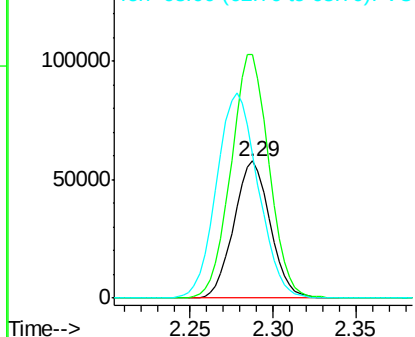
Tgt Ion:	96	Resp:	88170
Ion	Ratio	Lower	Upper
96	100		
61	178.0	120.6	224.0
63	105.0	79.3	147.3

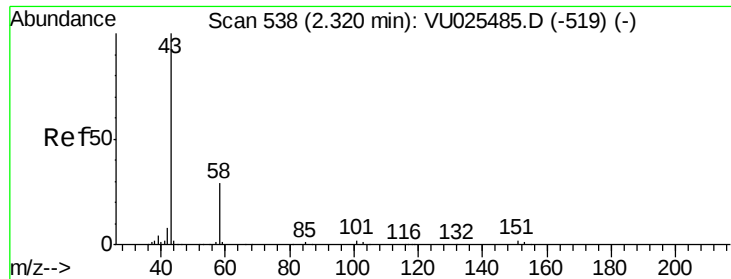


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 92.850 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025510.D

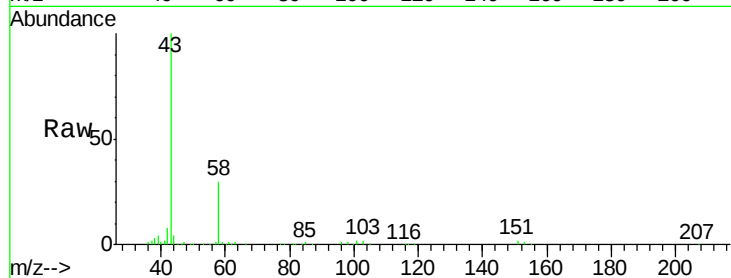
Acq: 18 Jul 2018 20:40

Tgt Ion: 43 Resp: 124544

Ion Ratio Lower Upper

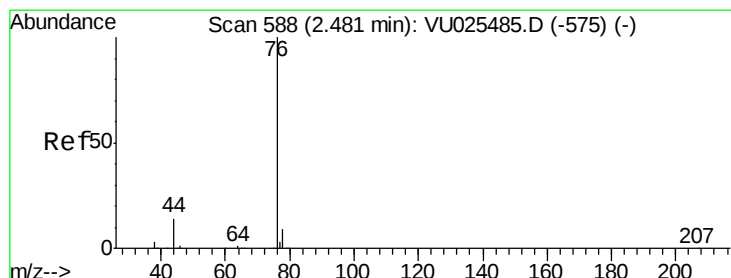
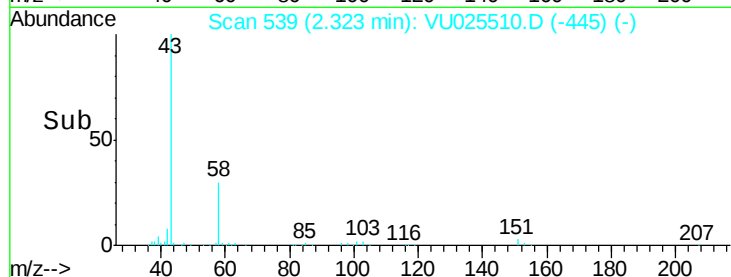
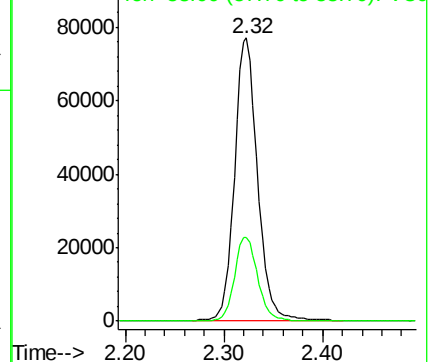
43 100

58 30.1 0.0 59.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 48.461 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025510.D

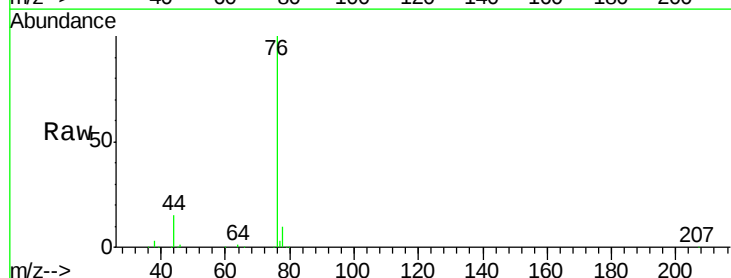
Acq: 18 Jul 2018 20:40

Tgt Ion: 76 Resp: 259804

Ion Ratio Lower Upper

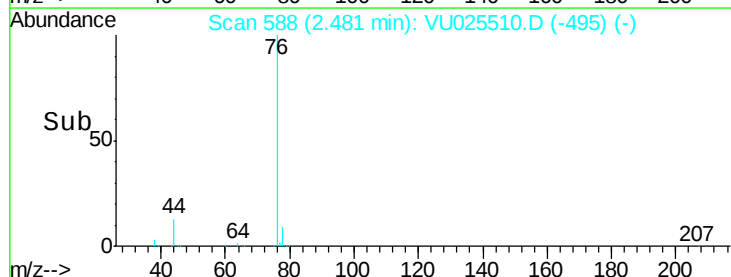
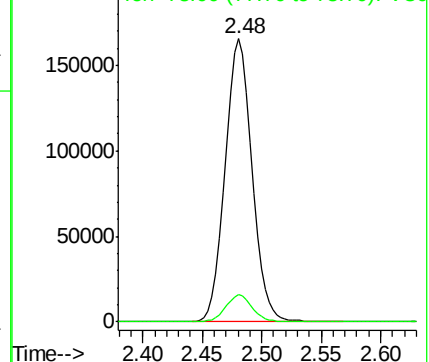
76 100

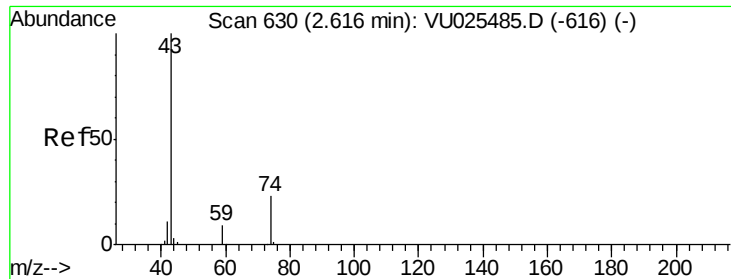
78 9.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

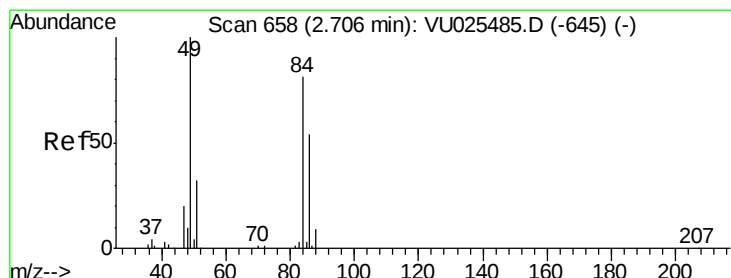
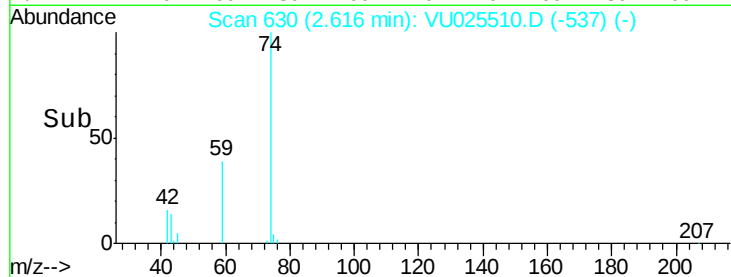
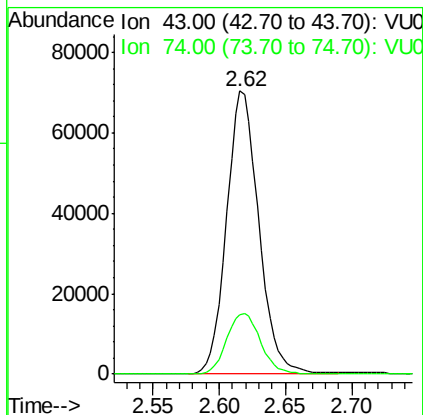
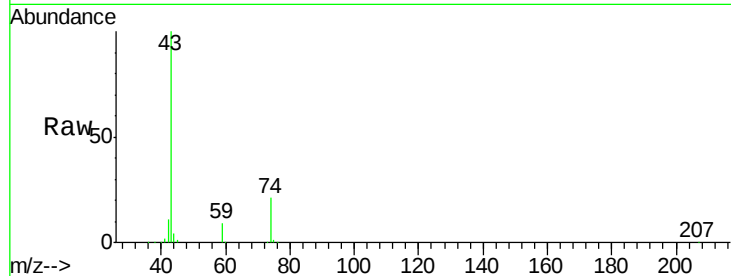
Ion 78.00 (77.70 to 78.70): VU0





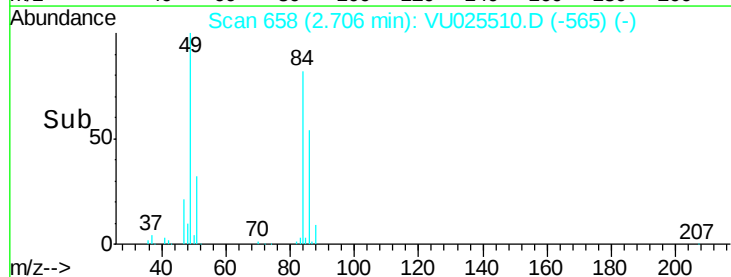
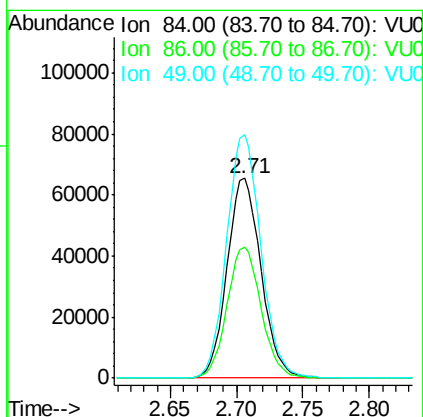
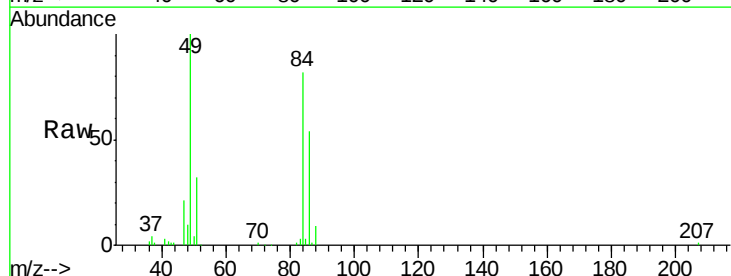
#15
Methyl Acetate
Concen: 48.102 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025510.D
Acq: 18 Jul 2018 20:40

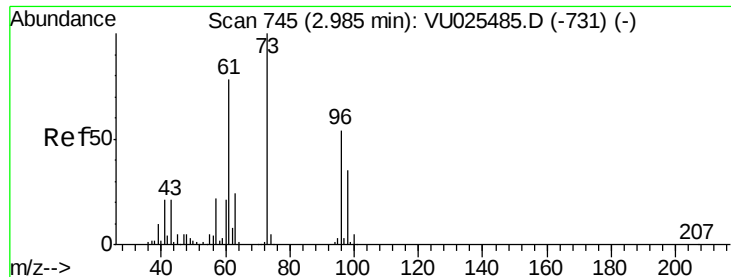
Tgt Ion: 43 Resp: 119241
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.8



#16
Methylene chloride
Concen: 53.663 ug/L
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025510.D
Acq: 18 Jul 2018 20:40

Tgt Ion: 84 Resp: 116432
Ion Ratio Lower Upper
84 100
86 65.9 46.3 85.9
49 122.0 87.9 163.3





#17

trans-1,2-Dichloroethene

Concen: 51.347 ug/L

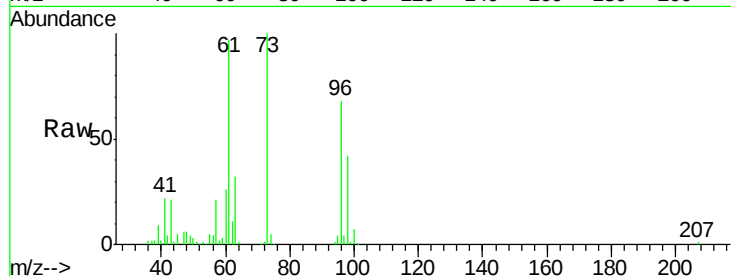
RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

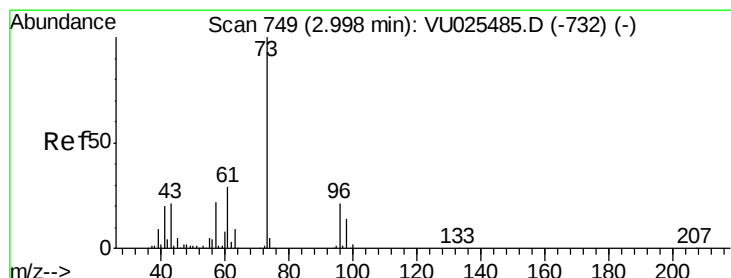
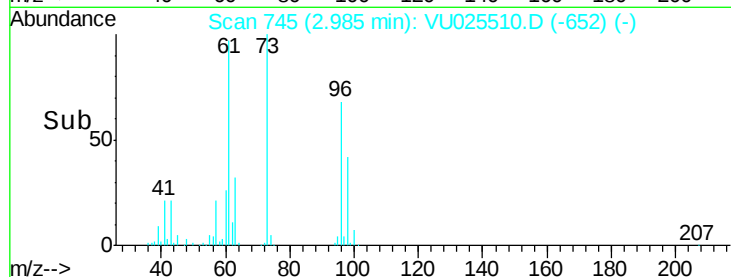
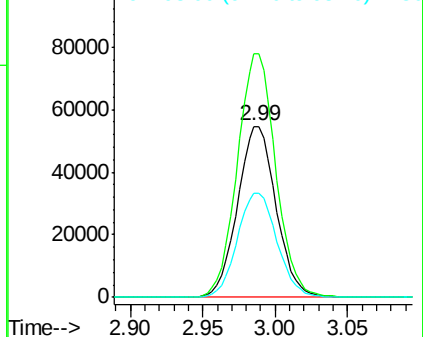
Lab File: VU025510.D

Acq: 18 Jul 2018 20:40

Tgt Ion:	96	Resp:	100766
Ion	Ratio	Lower	Upper
96	100		
61	142.4	103.6	192.4
98	61.3	44.8	83.2



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: 51.216 ug/L

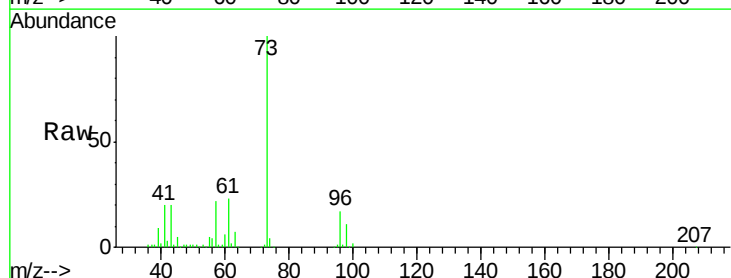
RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

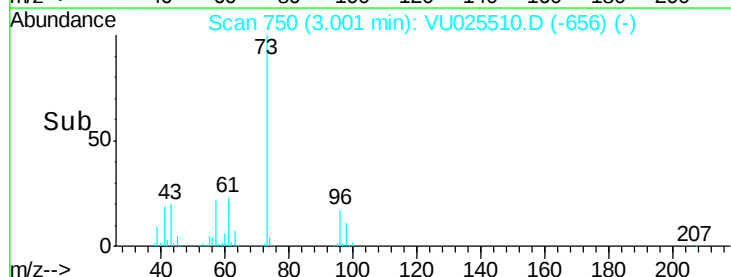
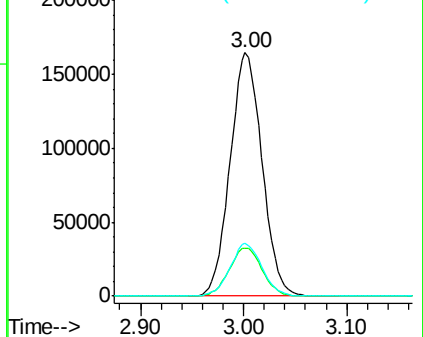
Lab File: VU025510.D

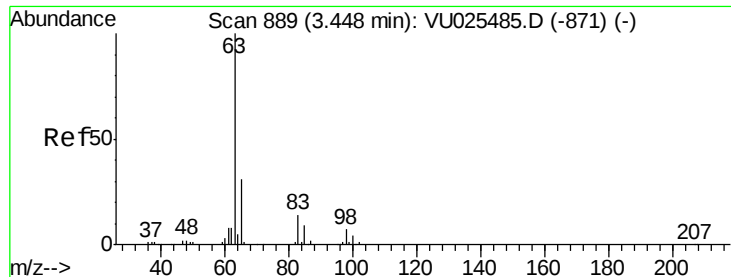
Acq: 18 Jul 2018 20:40

Tgt Ion:	73	Resp:	356125
Ion	Ratio	Lower	Upper
73	100		
43	20.5	16.6	24.8
57	21.4	17.0	25.6



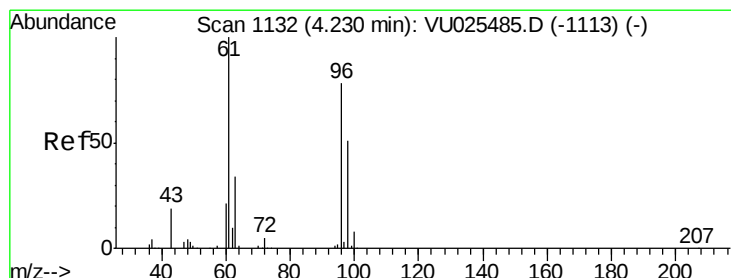
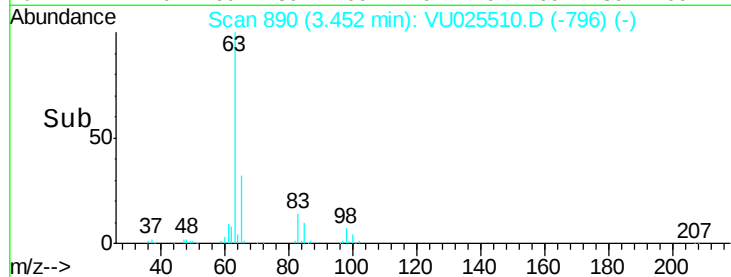
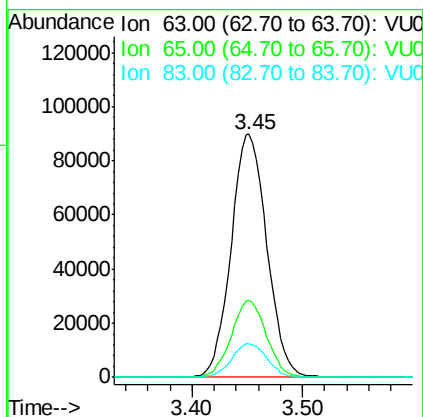
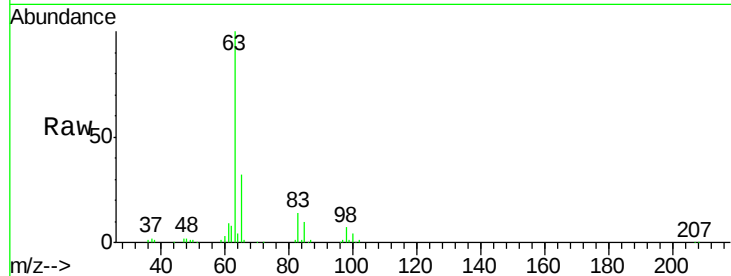
Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





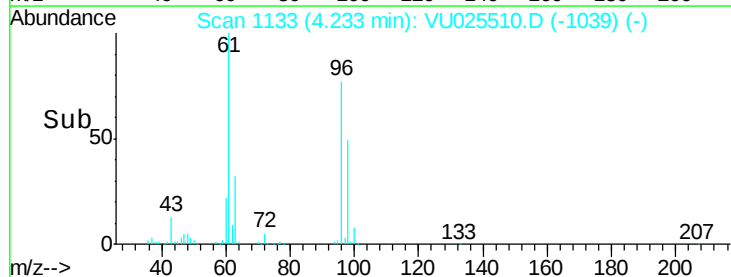
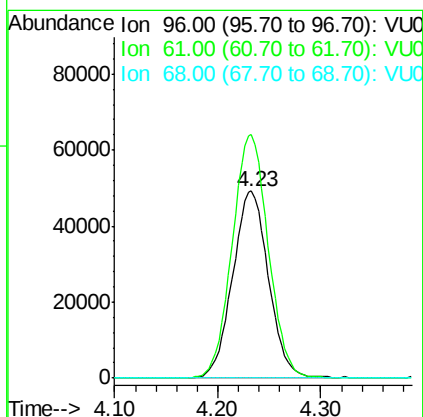
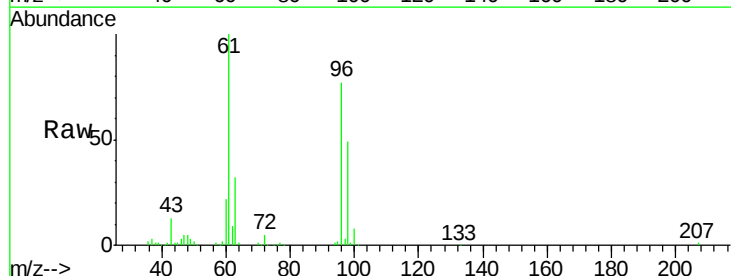
#19
 1,1-Dichloroethane
 Concen: 51.287 ug/L
 RT: 3.45 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VU025510.D
 Acq: 18 Jul 2018 20:40

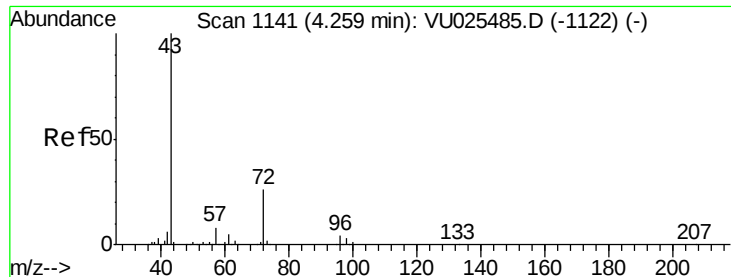
Tgt Ion:	63	Resp:	201336
Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.7	42.1
83	13.9	9.9	18.3



#20
 cis-1,2-Dichloroethene
 Concen: 49.641 ug/L
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU025510.D
 Acq: 18 Jul 2018 20:40

Tgt Ion:	96	Resp:	119273
Ion	Ratio	Lower	Upper
96	100		
61	130.3	91.7	170.3
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 94.334 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025510.D

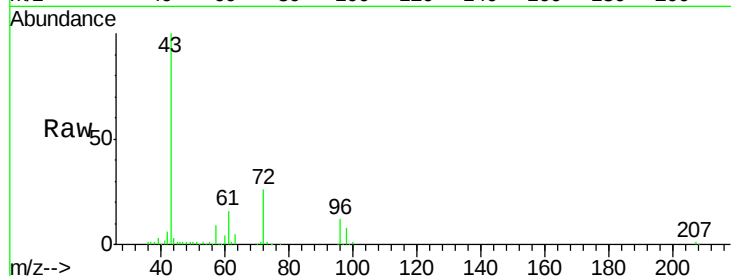
Acq: 18 Jul 2018 20:40

Tgt Ion: 43 Resp: 174167

Ion Ratio Lower Upper

43 100

72 27.0 13.4 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

80000

60000

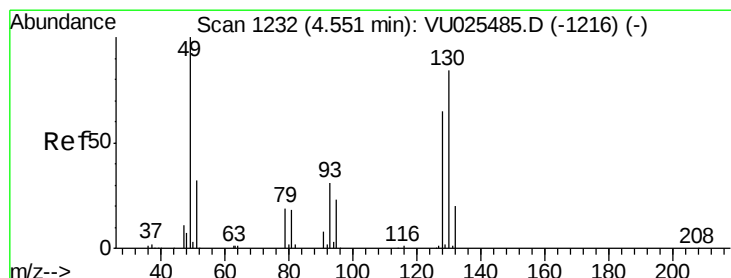
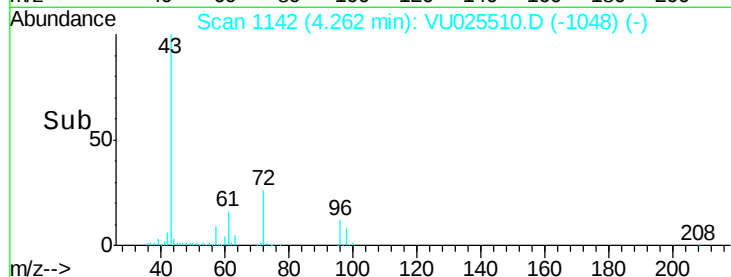
40000

20000

0

Time-->

4.20 4.30 4.40



#23

Bromochloromethane

Concen: 53.333 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025510.D

Acq: 18 Jul 2018 20:40

Tgt Ion: 128 Resp: 64228

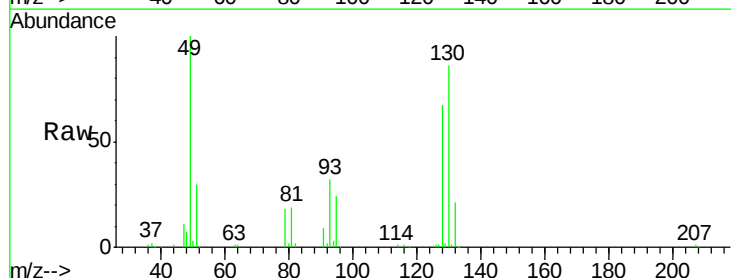
Ion Ratio Lower Upper

128 100

49 148.9 103.0 191.2

130 128.5 88.5 164.3

51 44.6 38.7 58.1



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

50000

40000

30000

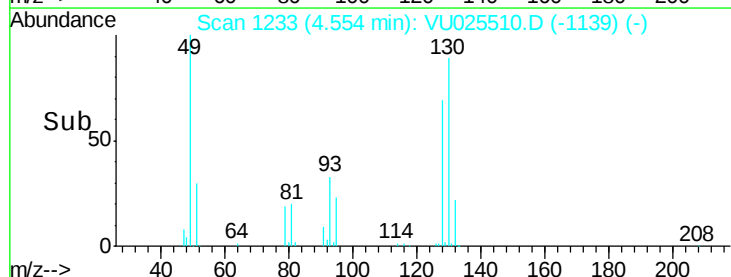
20000

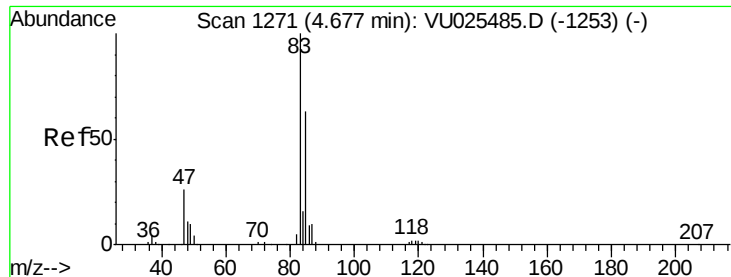
10000

0

Time-->

4.45 4.50 4.55 4.60 4.65





#25

Chloroform

Concen: 51.291 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU025510.D

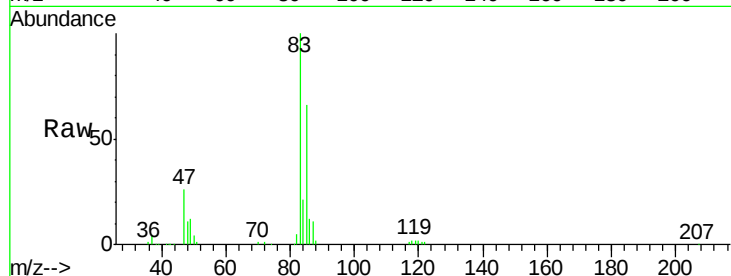
Acq: 18 Jul 2018 20:40

Tgt Ion: 83 Resp: 211577

Ion Ratio Lower Upper

83 100

85 65.7 47.2 87.6



Abundance Ion 83.00 (82.70 to 83.70): VU025510.D (-1178) (-)

Ion 85.00 (84.70 to 85.70): VU025510.D (-1178) (-)

4.68

100000

80000

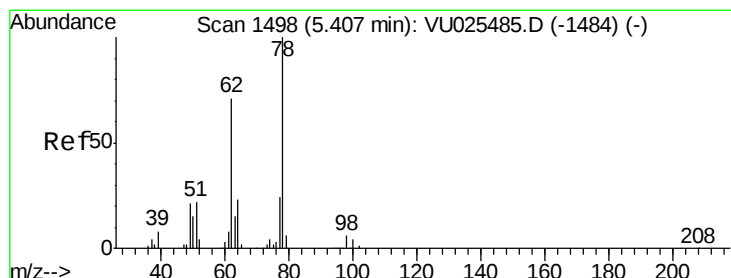
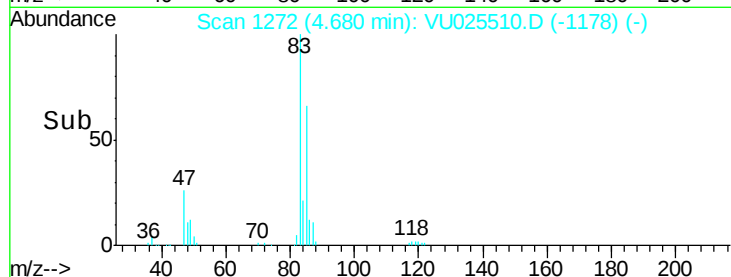
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 51.052 ug/L

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025510.D

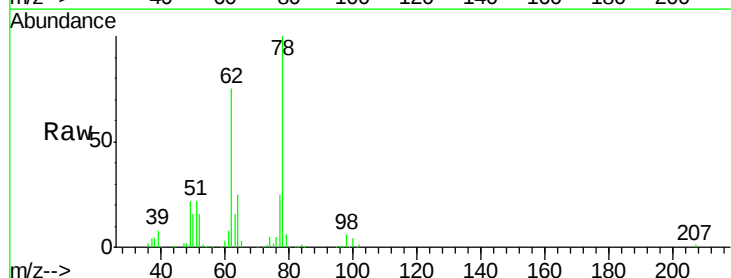
Acq: 18 Jul 2018 20:40

Tgt Ion: 62 Resp: 174885

Ion Ratio Lower Upper

62 100

98 8.6 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU025510.D (-1405) (-)

Ion 98.00 (97.70 to 98.70): VU025510.D (-1405) (-)

5.41

100000

80000

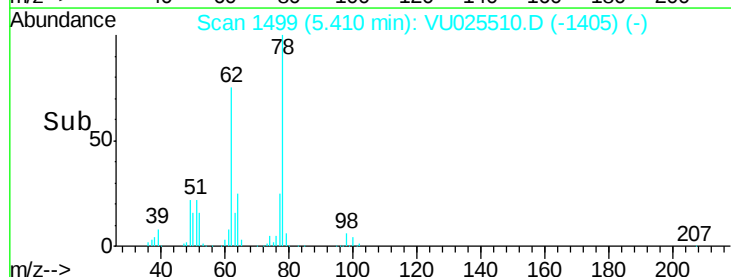
60000

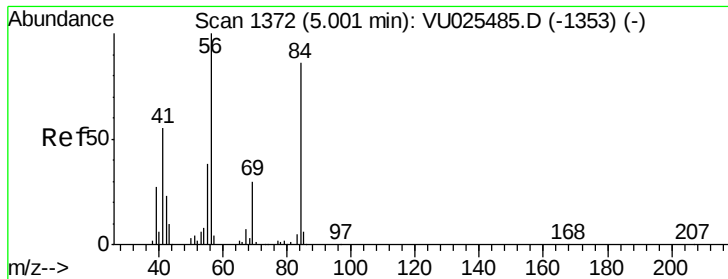
40000

20000

0

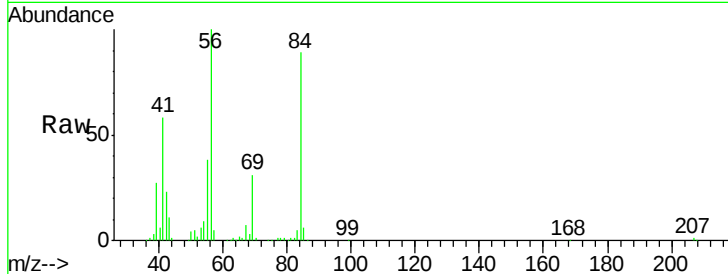
Time-->



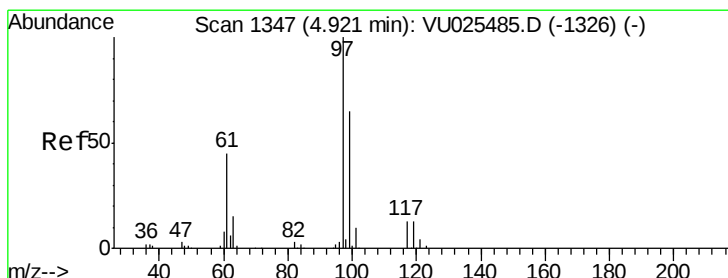
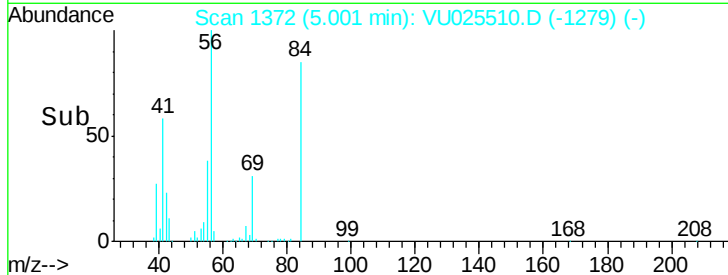
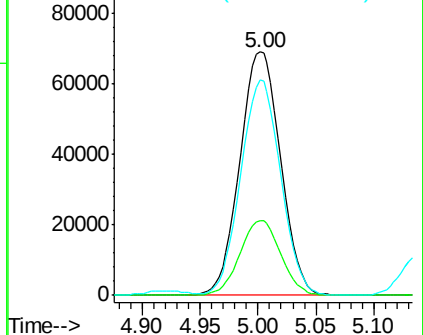


#29
Cyclohexane
Concen: 51.730 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025510.D
Acq: 18 Jul 2018 20:40

Tgt Ion: 56 Resp: 169408
Ion Ratio Lower Upper
56 100
69 30.7 25.0 37.4
84 86.9 70.3 105.5

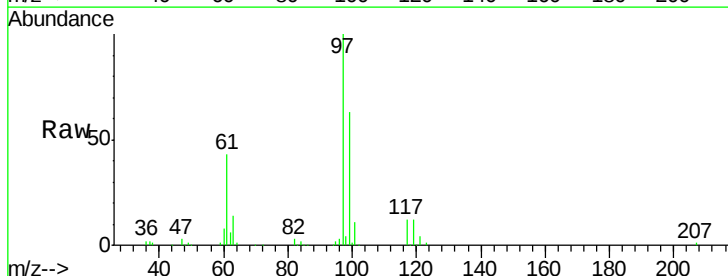


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

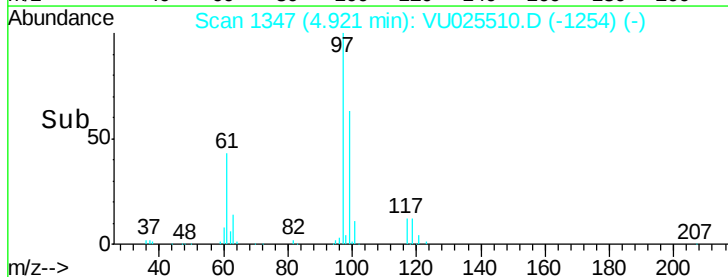
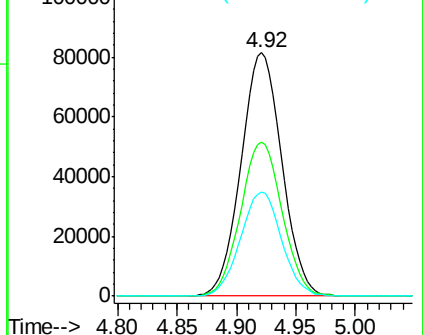


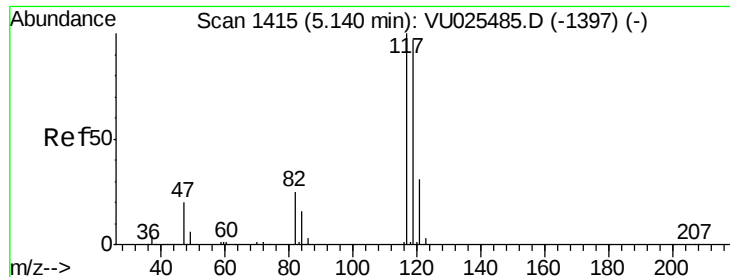
#30
1,1,1-Trichloroethane
Concen: 51.276 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025510.D
Acq: 18 Jul 2018 20:40

Tgt Ion: 97 Resp: 194055
Ion Ratio Lower Upper
97 100
99 64.5 51.5 77.3
61 43.0 34.1 51.1



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: 51.204 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025510.D

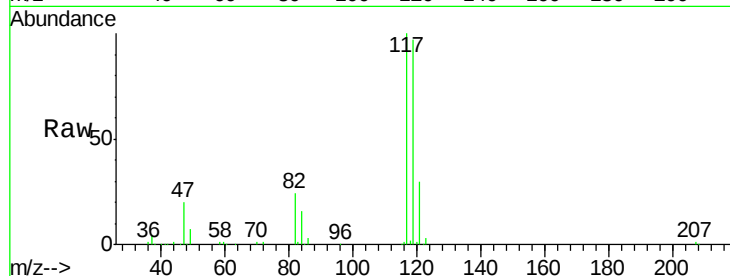
Acq: 18 Jul 2018 20:40

Tgt Ion: 117 Resp: 170238

Ion Ratio Lower Upper

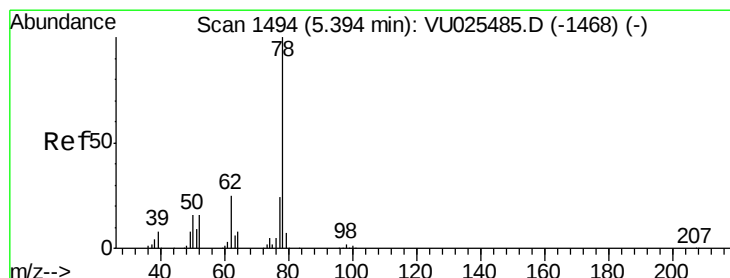
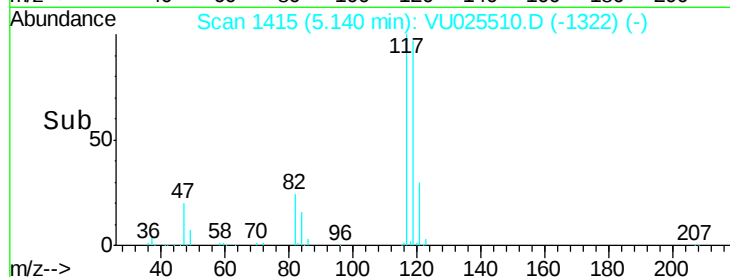
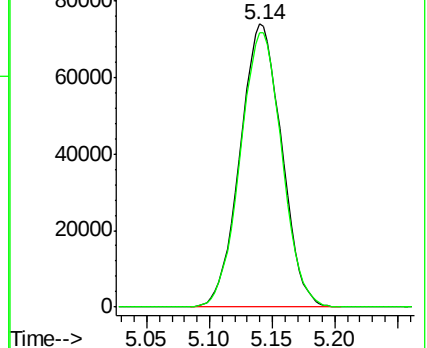
117 100

119 97.2 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.771 ug/L

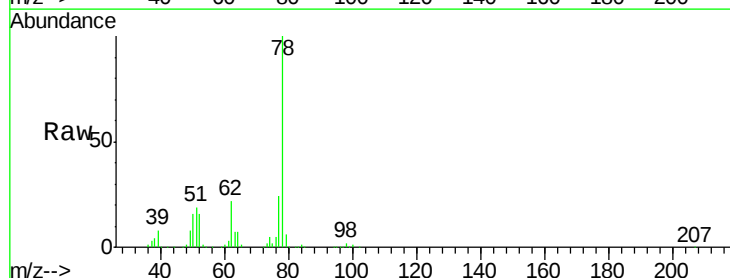
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

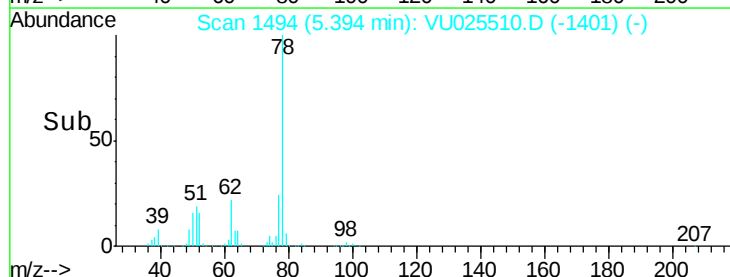
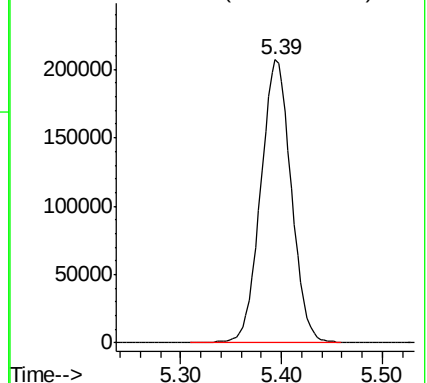
Lab File: VU025510.D

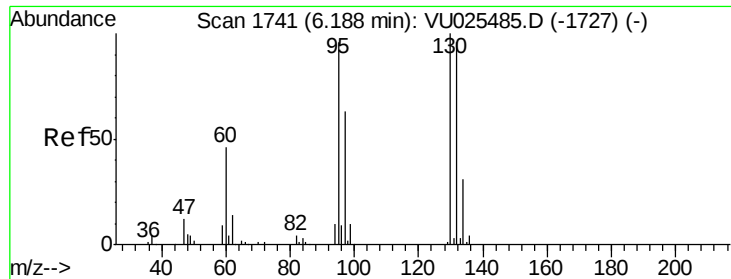
Acq: 18 Jul 2018 20:40

Tgt Ion: 78 Resp: 435567



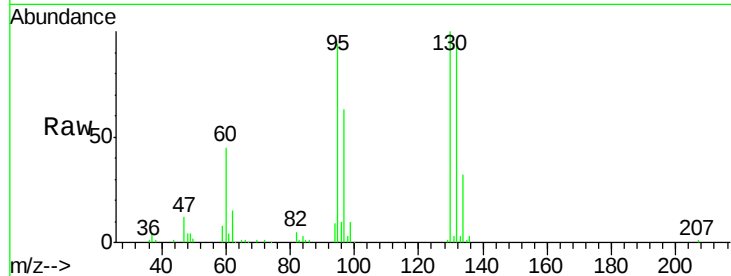
Abundance Ion 78.00 (77.70 to 78.70): VU0



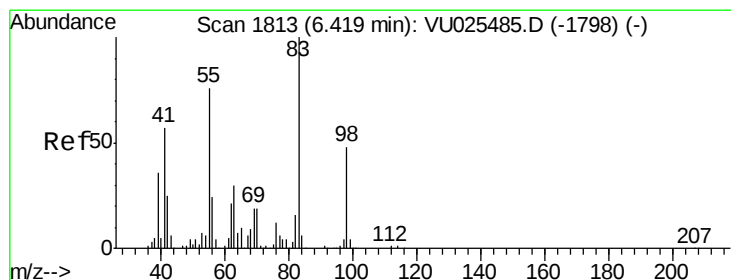
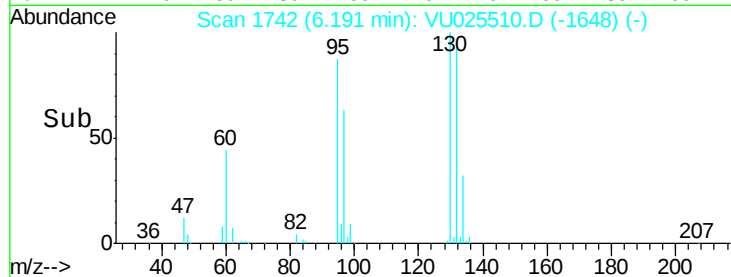
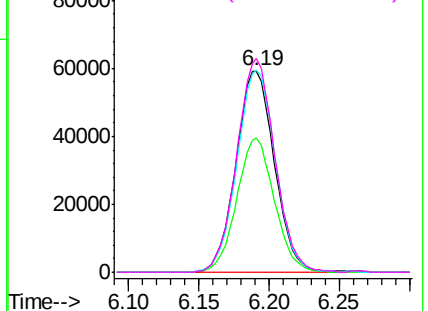


#34
 Trichloroethene
 Concen: 50.770 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU025510.D
 Acq: 18 Jul 2018 20:40

Tgt Ion:	95	Resp:	113073
Ion	Ratio	Lower	Upper
95	100		
97	67.1	45.9	85.3
132	100.5	68.2	126.6
130	106.1	71.8	133.4

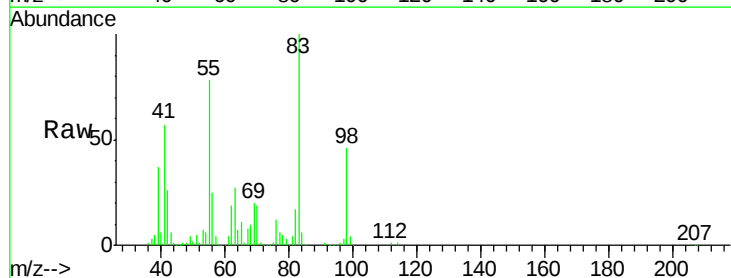


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

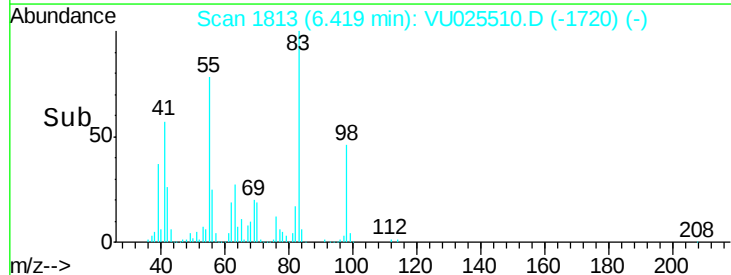
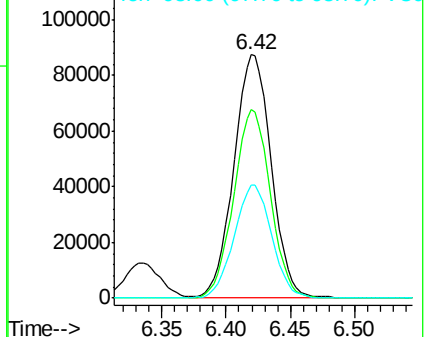


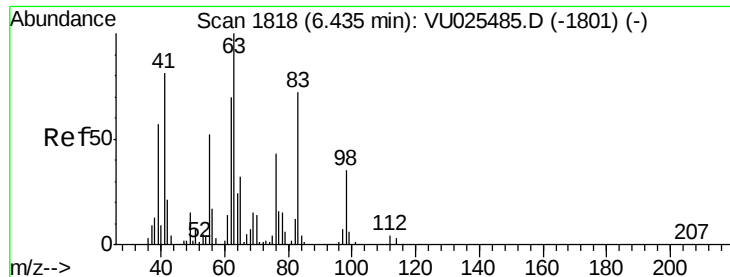
#35
 Methylcyclohexane
 Concen: 51.816 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025510.D
 Acq: 18 Jul 2018 20:40

Tgt Ion:	83	Resp:	175213
Ion	Ratio	Lower	Upper
83	100		
55	76.5	61.8	92.8
98	47.0	38.7	58.1



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: 51.017 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025510.D

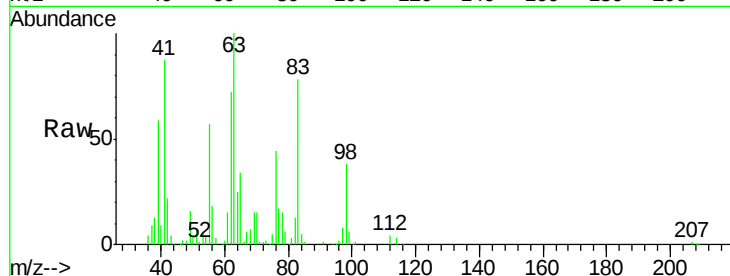
Acq: 18 Jul 2018 20:40

Tgt Ion: 63 Resp: 118405

Ion Ratio Lower Upper

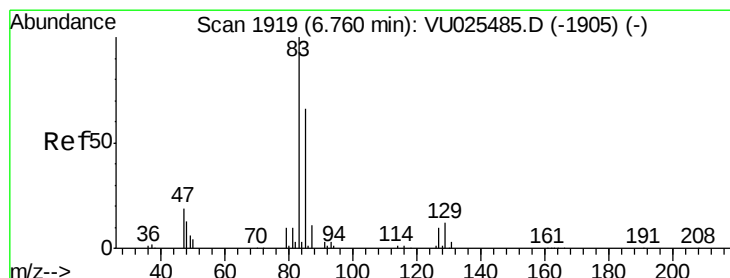
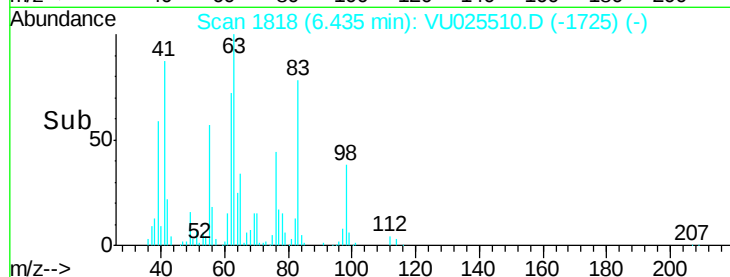
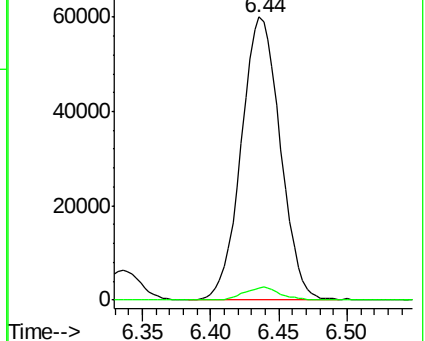
63 100

112 4.3 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 50.635 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025510.D

Acq: 18 Jul 2018 20:40

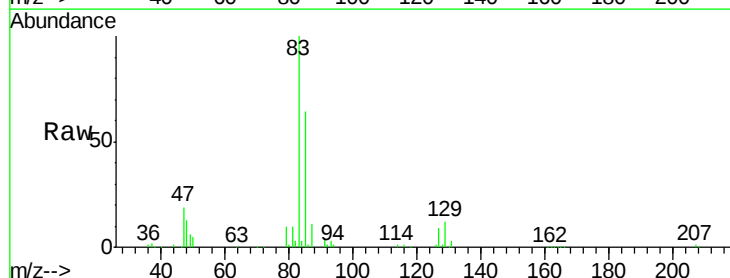
Tgt Ion: 83 Resp: 158676

Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.2

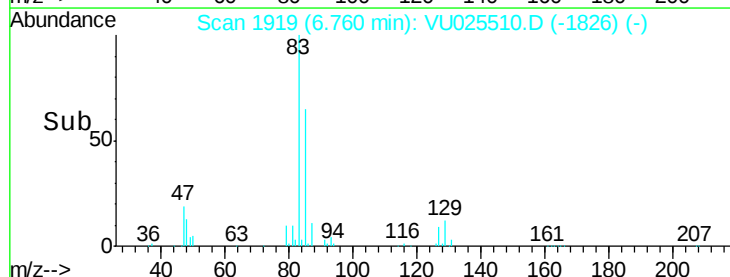
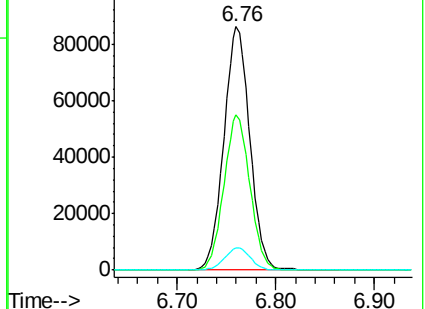
127 8.9 7.3 10.9

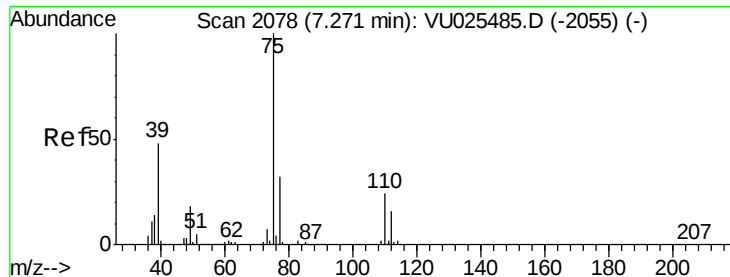


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V





#39

cis-1,3-Dichloropropene

Concen: 51.181 ug/L

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025510.D

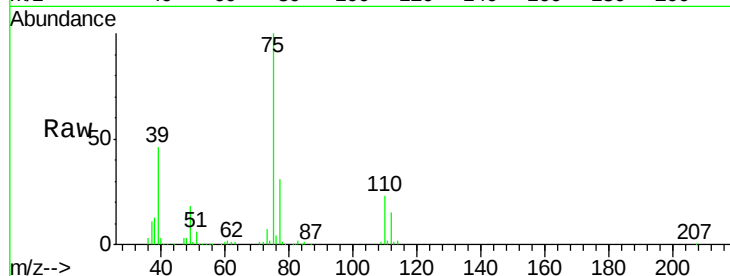
Acq: 18 Jul 2018 20:40

Tgt Ion: 75 Resp: 184046

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.27

120000

100000

80000

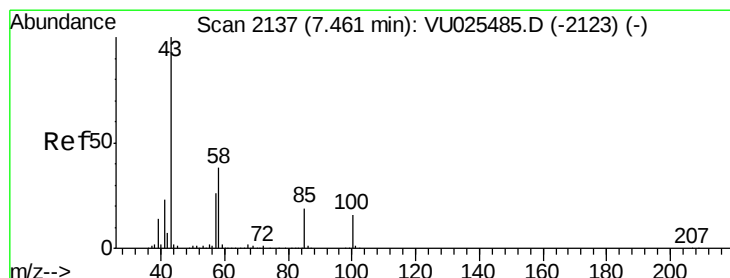
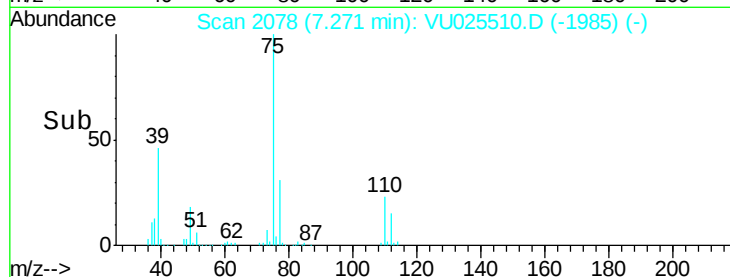
60000

40000

20000

0

Time--> 7.20 7.25 7.30 7.35



#40

4-Methyl-2-pentanone

Concen: 96.823 ug/L

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025510.D

Acq: 18 Jul 2018 20:40

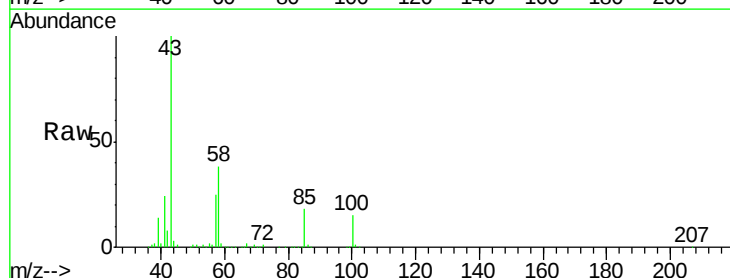
Tgt Ion: 43 Resp: 325910

Ion Ratio Lower Upper

43 100

58 37.9 30.9 46.3

100 15.1 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

7.46

250000

200000

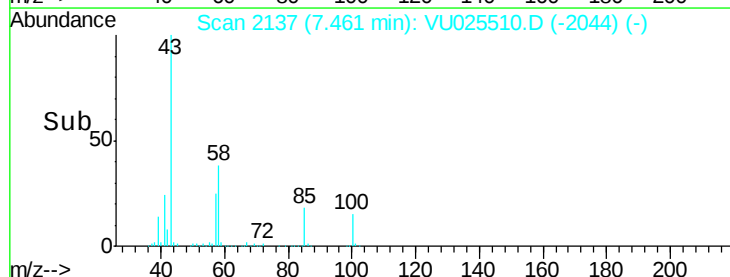
150000

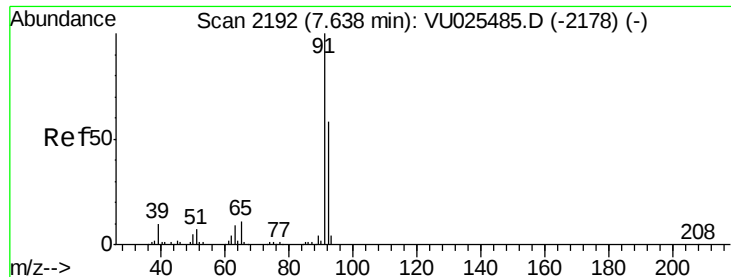
100000

50000

0

Time--> 7.40 7.45 7.50 7.55





#42

Toluene

Concen: 53.057 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025510.D

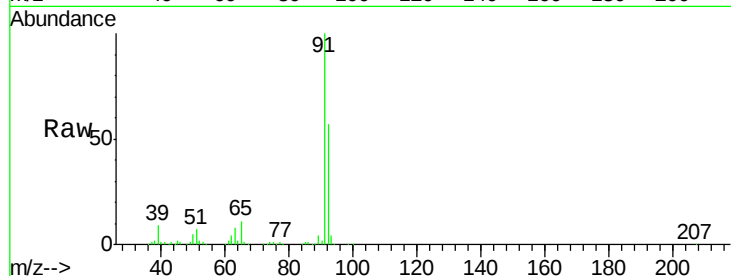
Acq: 18 Jul 2018 20:40

Tgt Ion: 91 Resp: 475966

Ion Ratio Lower Upper

91 100

92 57.1 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

300000

250000

200000

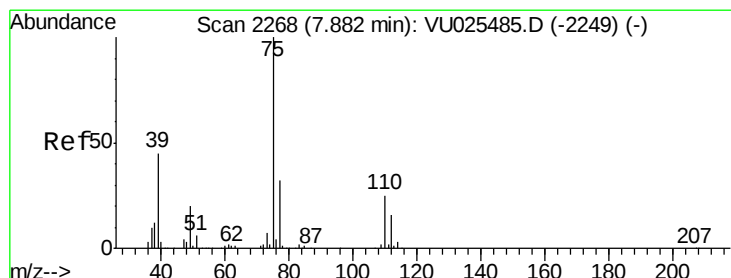
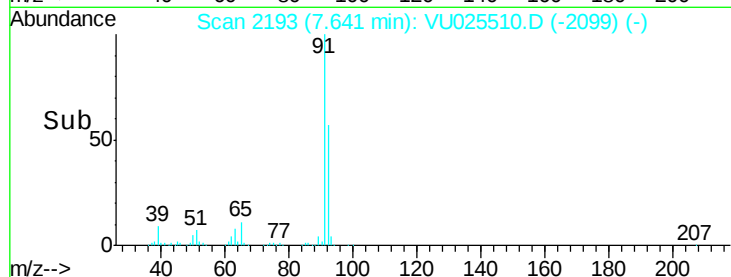
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.918 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025510.D

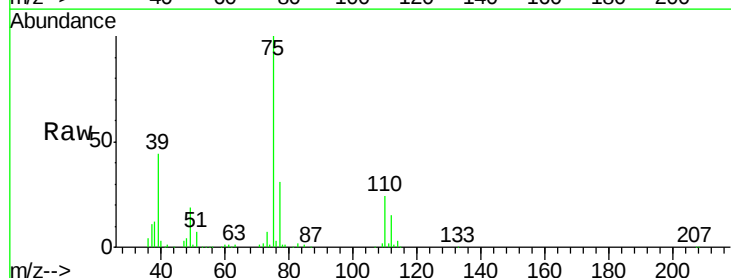
Acq: 18 Jul 2018 20:40

Tgt Ion: 75 Resp: 175775

Ion Ratio Lower Upper

75 100

77 31.0 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

120000

100000

80000

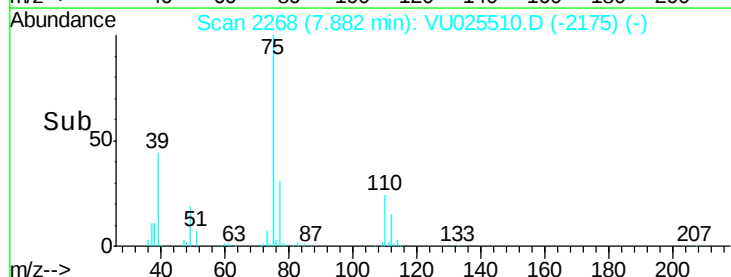
60000

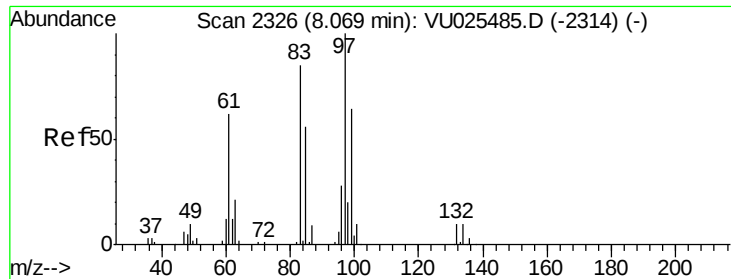
40000

20000

0

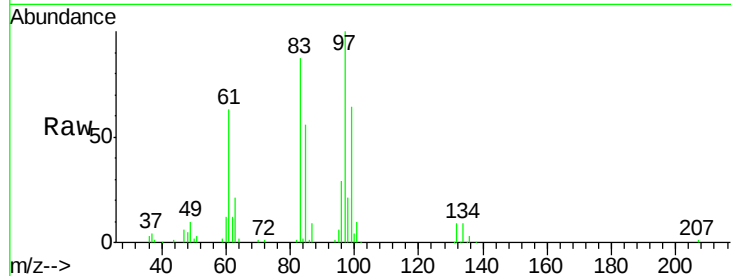
Time-->





#45
 1,1,2-Trichloroethane
 Concen: 53.079 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025510.D
 Acq: 18 Jul 2018 20:40

Tgt Ion:	97	Resp:	116799
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.7	83.1
83	87.1	62.0	115.2
85	56.3	39.6	73.6



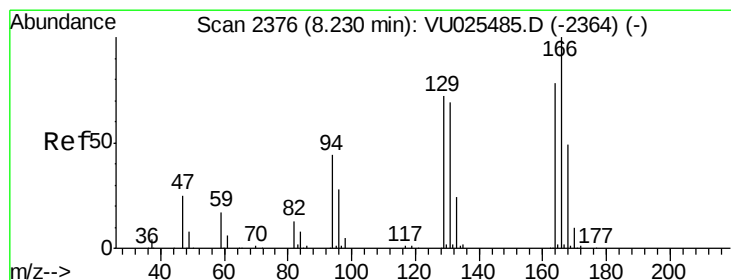
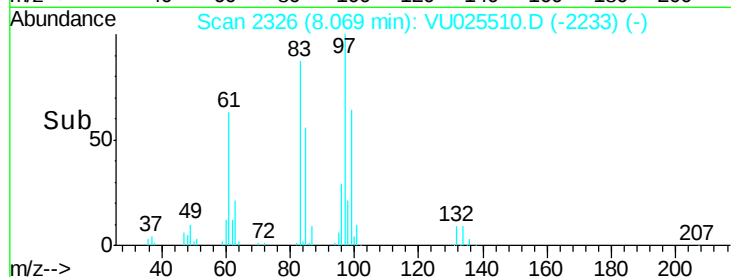
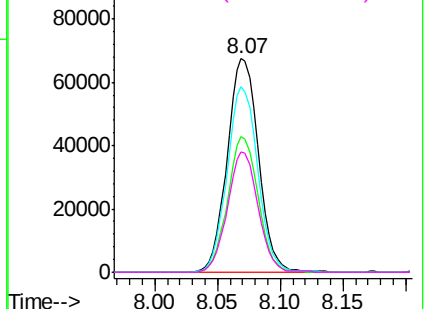
Abundance

Ion 97.00 (96.70 to 97.70): VU025510.D (-2233) (-)

Ion 99.00 (98.70 to 99.70): VU025510.D (-2233) (-)

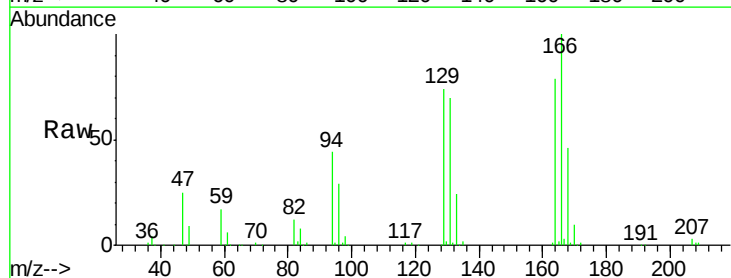
Ion 83.00 (82.70 to 83.70): VU025510.D (-2233) (-)

Ion 85.00 (84.70 to 85.70): VU025510.D (-2233) (-)



#46
 Tetrachloroethene
 Concen: 52.044 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU025510.D
 Acq: 18 Jul 2018 20:40

Tgt Ion:	164	Resp:	96694
Ion	Ratio	Lower	Upper
164	100		
129	93.5	66.5	123.5
131	88.8	63.7	118.3
166	126.9	90.8	168.6



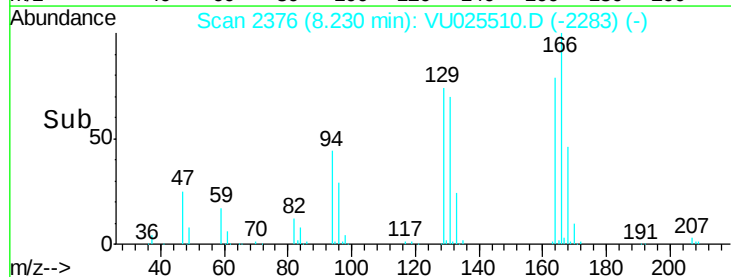
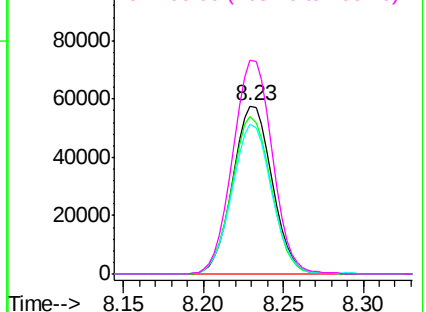
Abundance

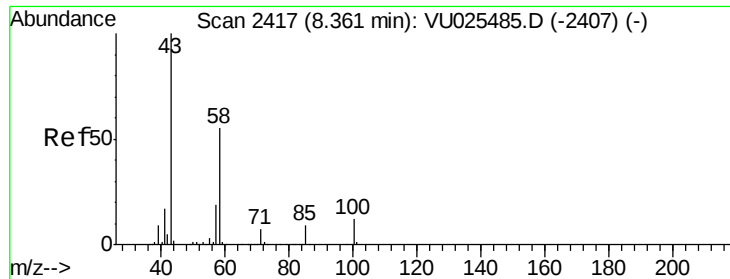
Ion 164.00 (163.70 to 164.70): VU025510.D (-2283) (-)

Ion 129.00 (128.70 to 129.70): VU025510.D (-2283) (-)

Ion 131.00 (130.70 to 131.70): VU025510.D (-2283) (-)

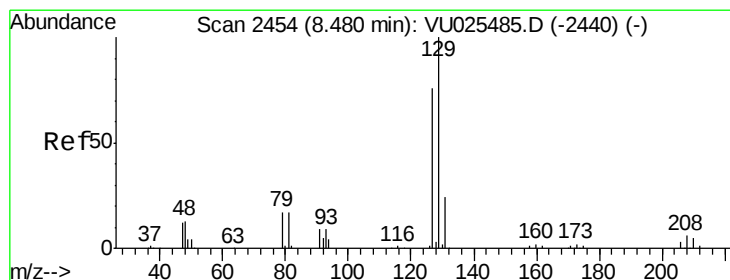
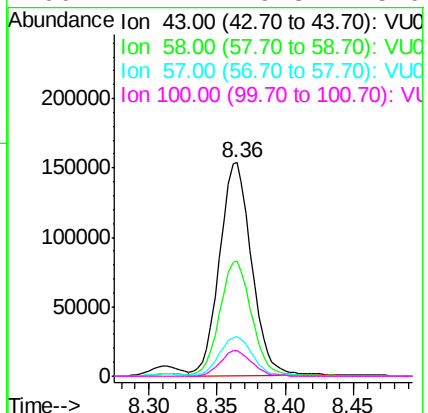
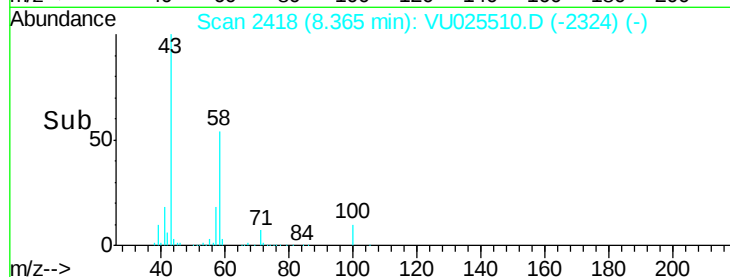
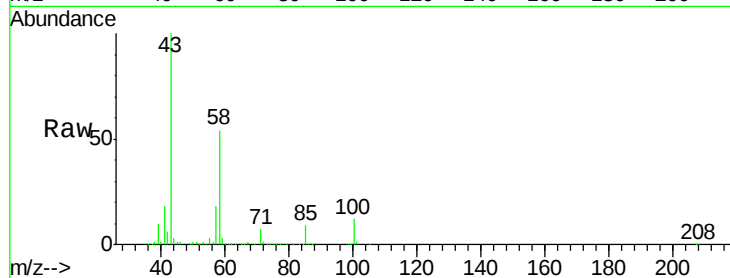
Ion 166.00 (165.70 to 166.70): VU025510.D (-2283) (-)





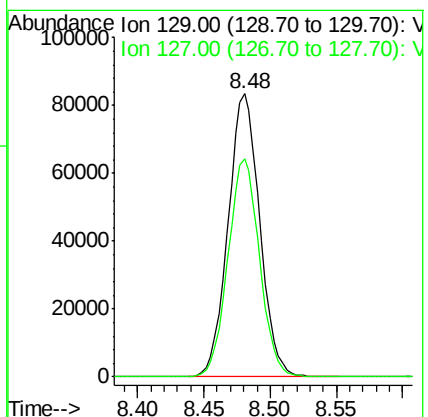
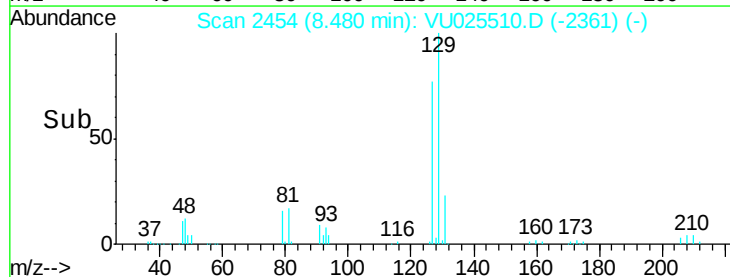
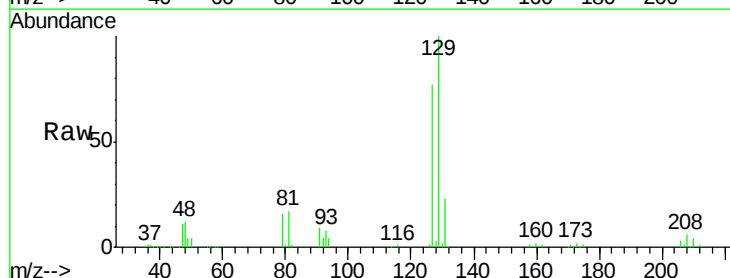
#48
2-Hexanone
Concen: 93.342 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025510.D
Acq: 18 Jul 2018 20:40

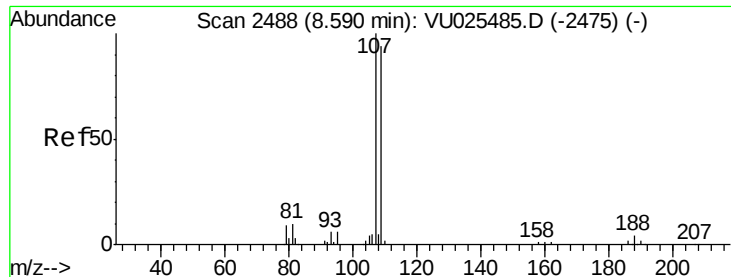
Tgt Ion:	43	Resp:	251025
Ion	Ratio	Lower	Upper
43	100		
58	53.9	42.3	63.5
57	19.3	15.6	23.4
100	11.7	9.3	13.9



#49
Dibromochloromethane
Concen: 51.984 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025510.D
Acq: 18 Jul 2018 20:40

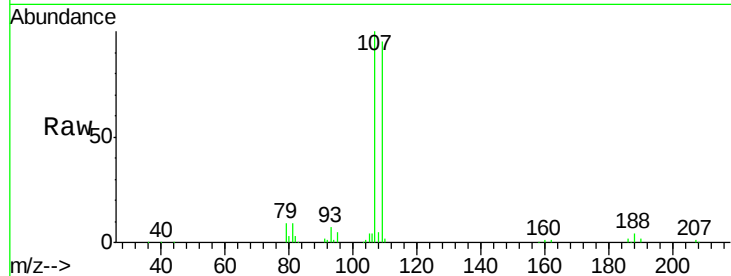
Tgt Ion:	129	Resp:	138475
Ion	Ratio	Lower	Upper
129	100		
127	77.2	52.4	97.2



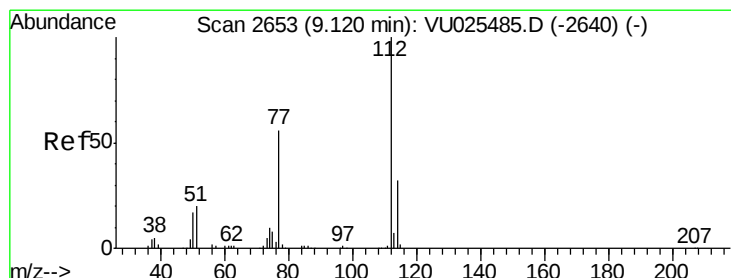
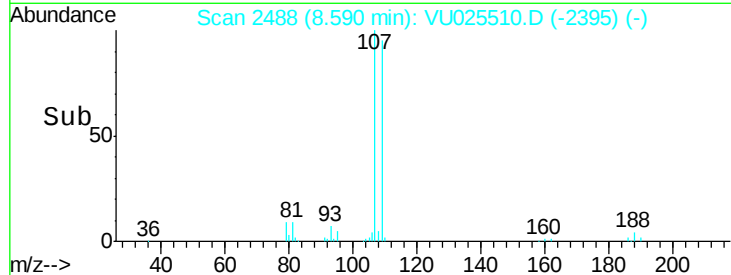
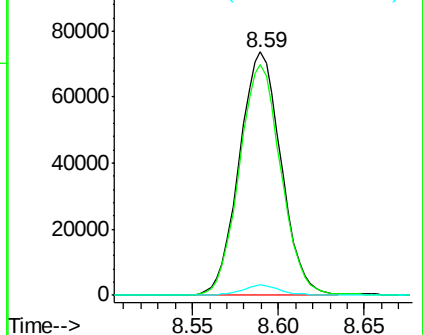


#50
1,2-Dibromoethane
Concen: 51.240 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU025510.D
Acq: 18 Jul 2018 20:40

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.6	66.5	123.5
188	4.2	3.4	5.0

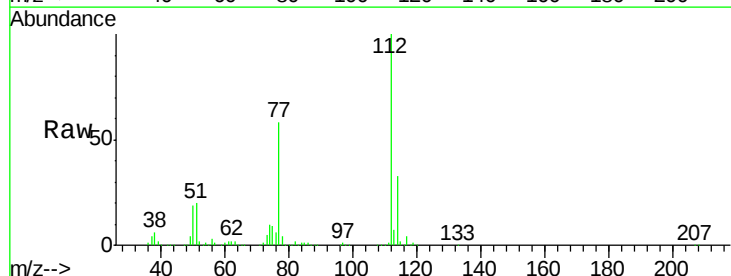


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

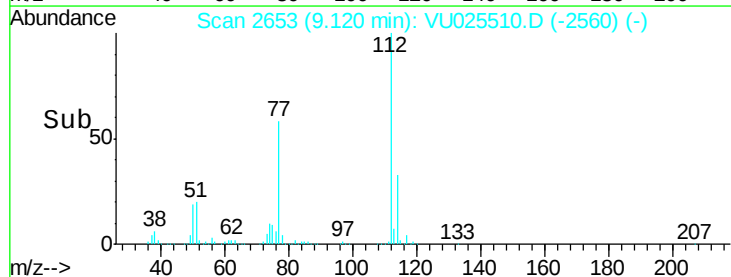
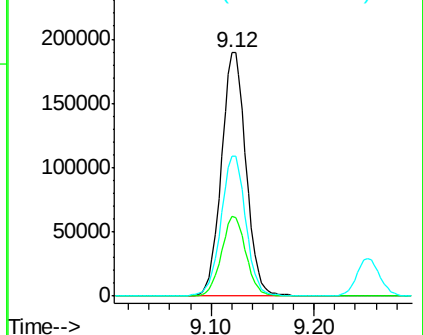


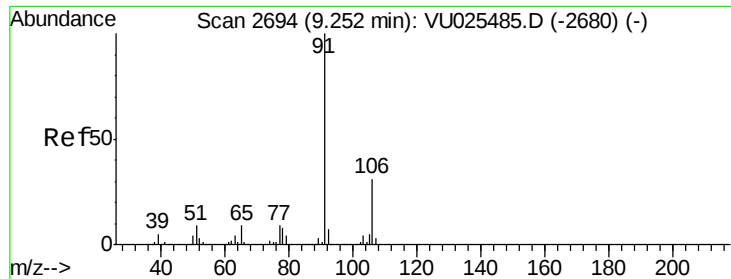
#51
Chlorobenzene
Concen: 52.284 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU025510.D
Acq: 18 Jul 2018 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.8	42.4
77	57.6	45.8	68.8



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





#52

Ethylbenzene

Concen: 52.376 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025510.D

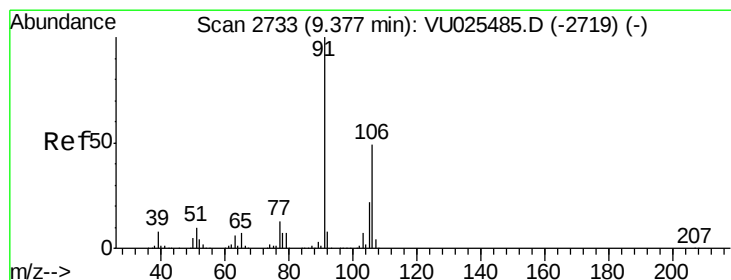
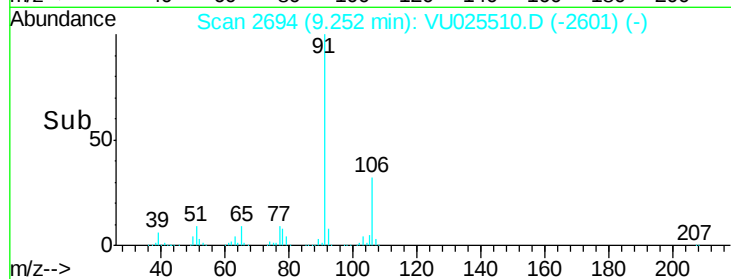
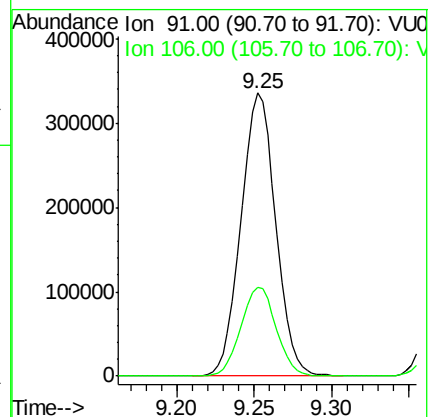
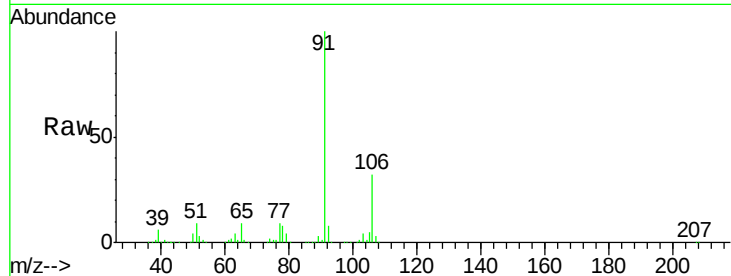
Acq: 18 Jul 2018 20:40

Tgt Ion: 91 Resp: 524489

Ion Ratio Lower Upper

91 100

106 31.5 22.4 41.6



#53

m,p-Xylene

Concen: 52.791 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025510.D

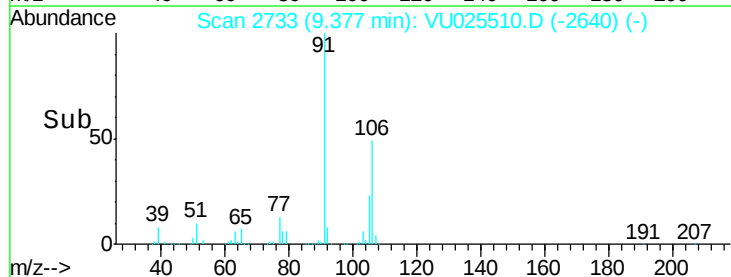
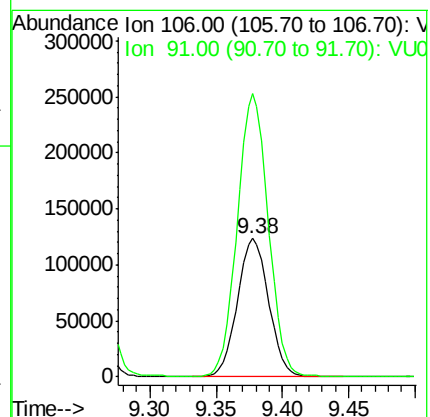
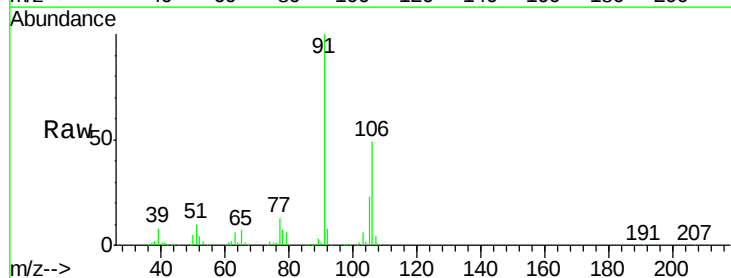
Acq: 18 Jul 2018 20:40

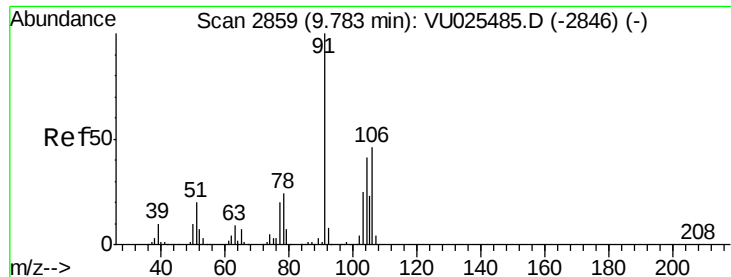
Tgt Ion: 106 Resp: 202622

Ion Ratio Lower Upper

106 100

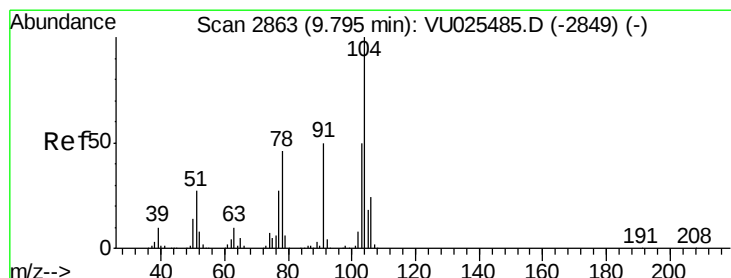
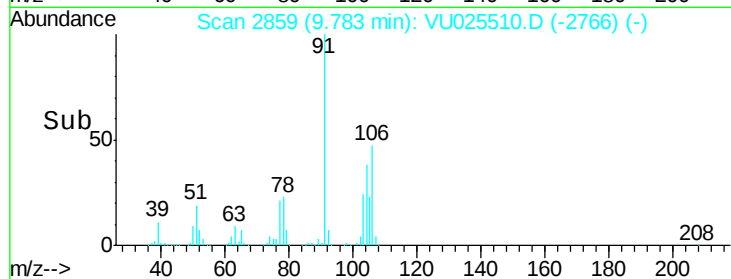
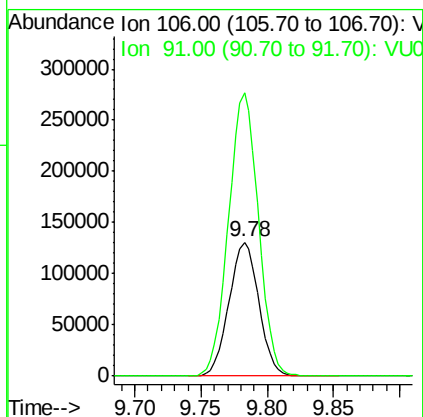
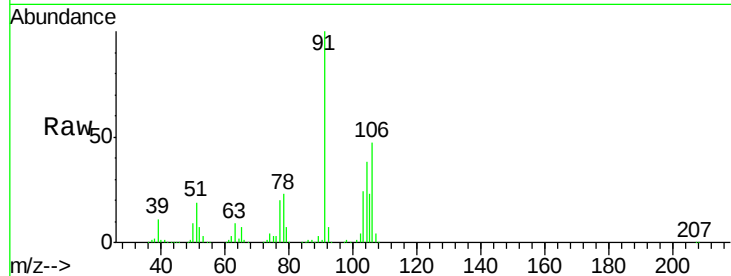
91 204.2 138.6 257.4





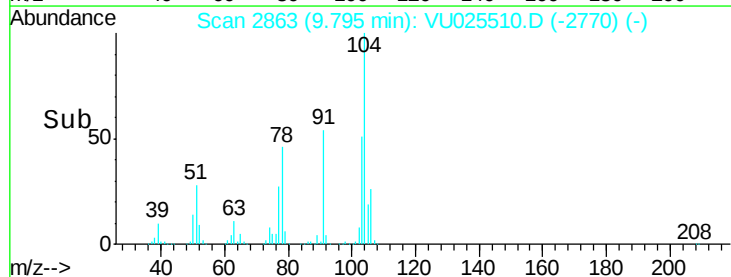
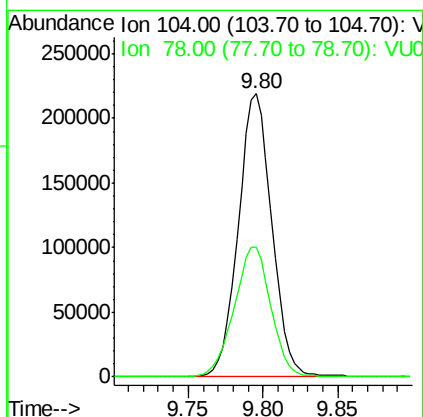
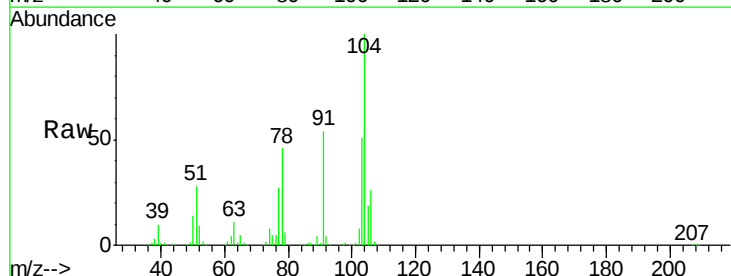
#54
o-xylene
Concen: 52.859 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025510.D
Acq: 18 Jul 2018 20:40

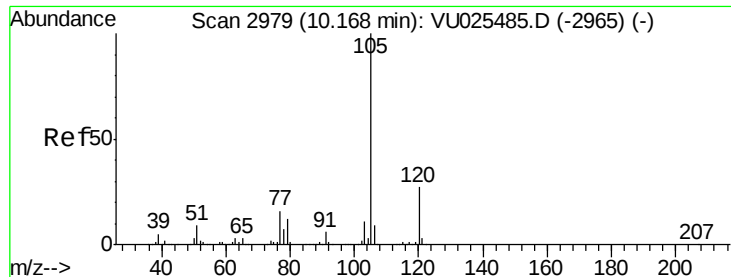
Tgt Ion:106 Resp: 204673
Ion Ratio Lower Upper
106 100
91 211.4 152.8 283.8



#55
Styrene
Concen: 53.475 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025510.D
Acq: 18 Jul 2018 20:40

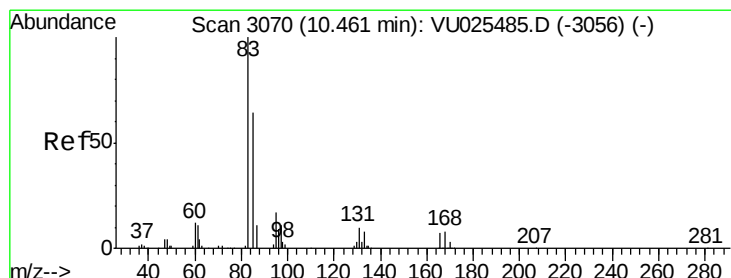
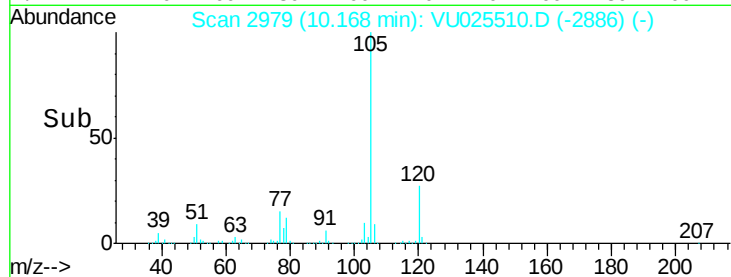
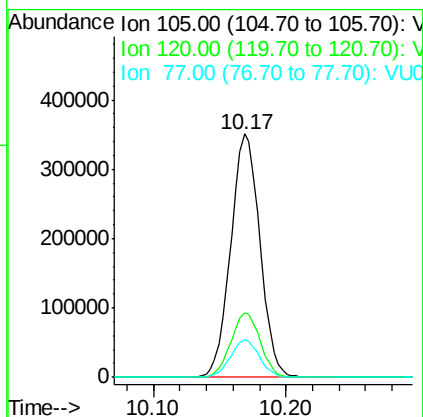
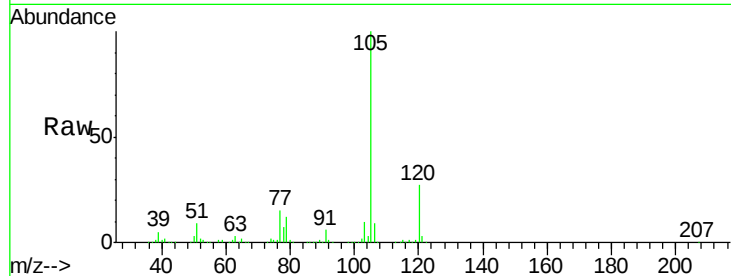
Tgt Ion:104 Resp: 341986
Ion Ratio Lower Upper
104 100
78 45.7 32.6 60.5





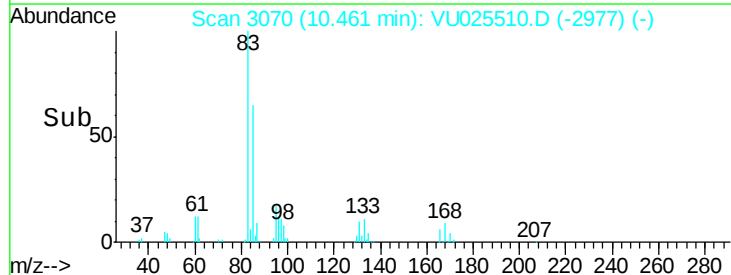
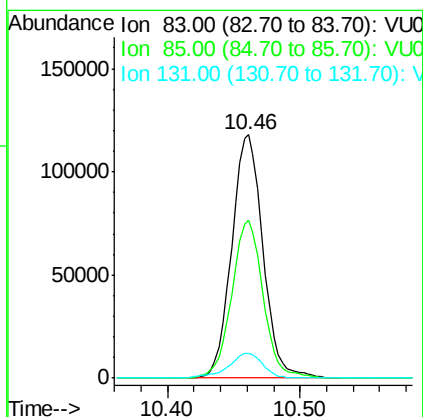
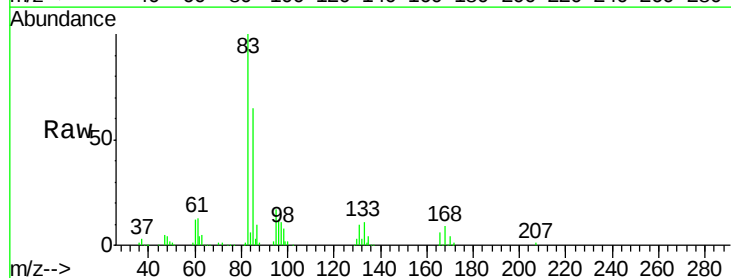
#56
Isopropylbenzene
Concen: 53.504 ug/L
RT: 10.17 min Scan# 2979
Delta R.T. 0.00 min
Lab File: VU025510.D
Acq: 18 Jul 2018 20:40

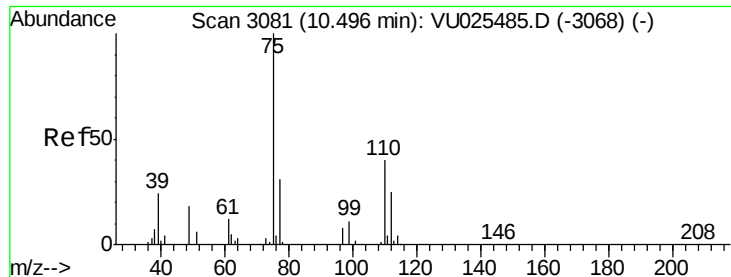
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.6	32.4
77	15.4	12.6	19.0



#58
1,1,2,2-Tetrachloroethane
Concen: 50.960 ug/L
RT: 10.46 min Scan# 3070
Delta R.T. 0.00 min
Lab File: VU025510.D
Acq: 18 Jul 2018 20:40

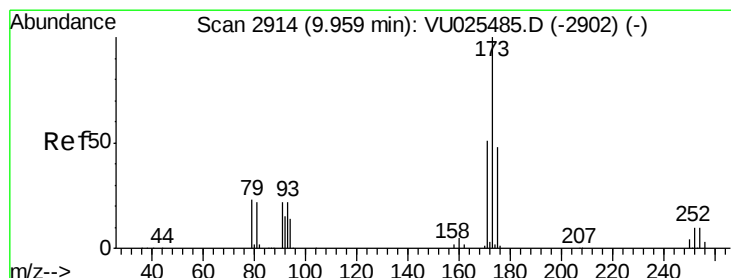
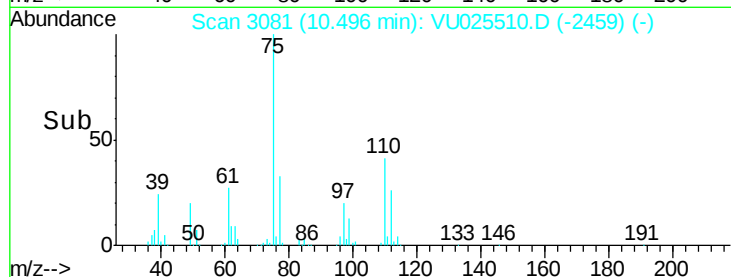
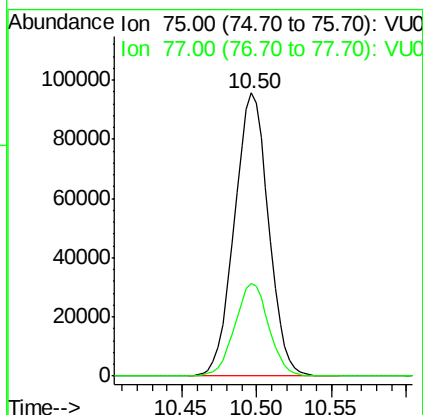
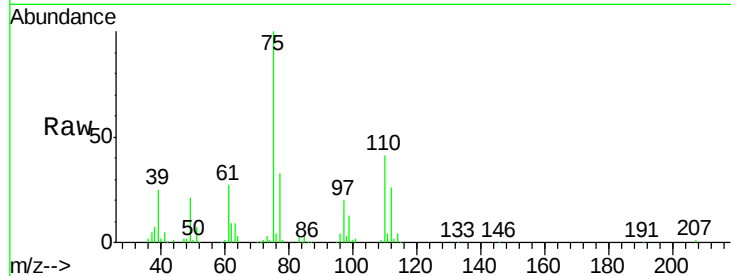
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	44.9	83.5
131	10.3	8.9	13.3





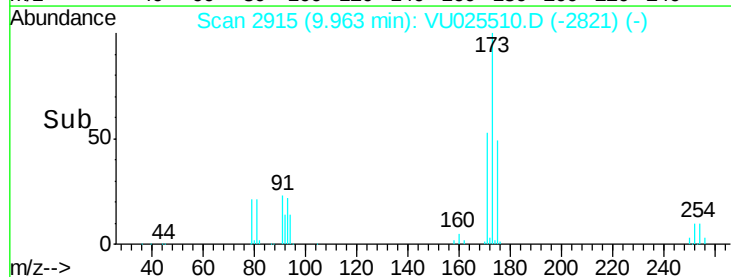
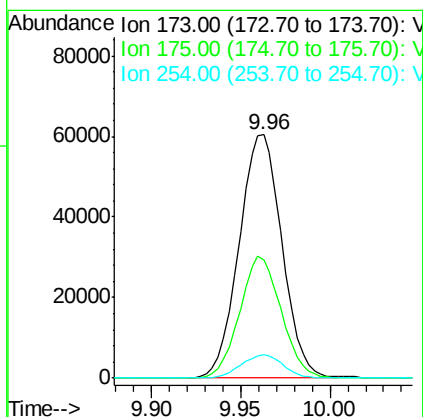
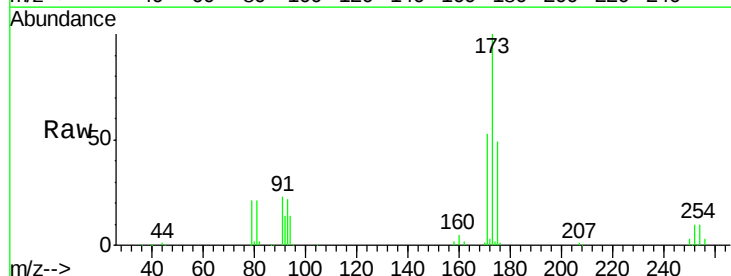
#59
1,2,3-Trichloropropane
Concen: 49.132 ug/L
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025510.D
Acq: 18 Jul 2018 20:40

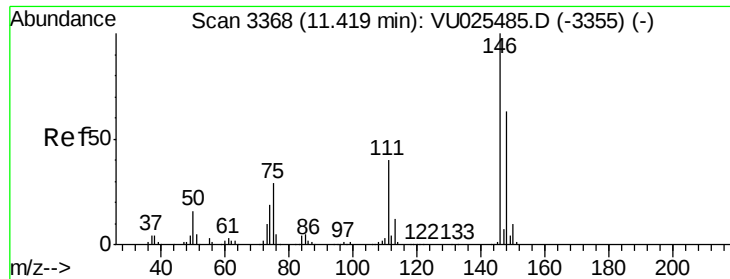
Tgt Ion: 75 Resp: 151640
Ion Ratio Lower Upper
75 100
77 32.7 26.2 39.2



#61
Bromoform
Concen: 49.144 ug/L
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025510.D
Acq: 18 Jul 2018 20:40

Tgt Ion: 173 Resp: 101560
Ion Ratio Lower Upper
173 100
175 48.4 39.1 58.7
254 9.4 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 51.010 ug/L

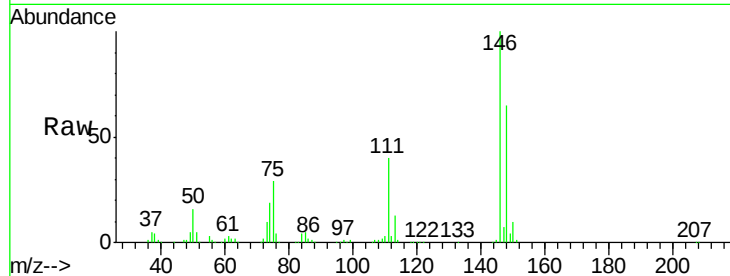
RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

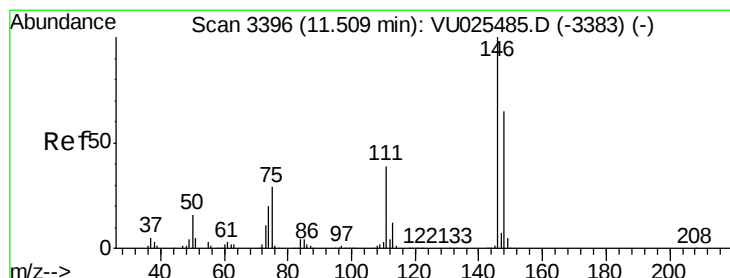
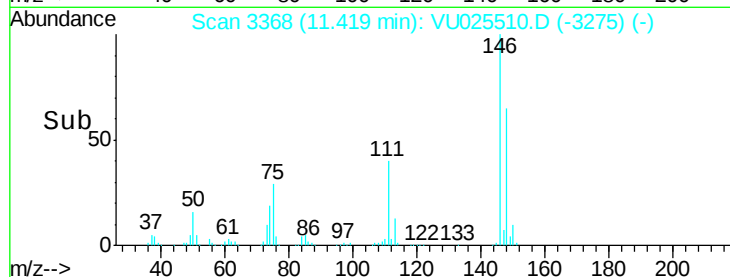
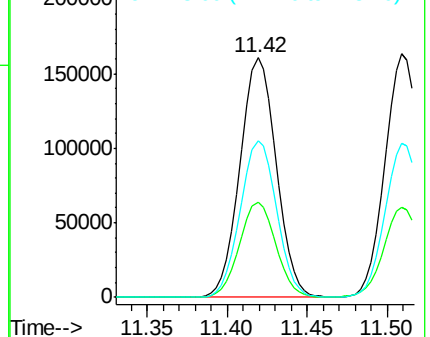
Lab File: VU025510.D

Acq: 18 Jul 2018 20:40

Tgt Ion:	146	Resp:	247684
Ion	Ratio	Lower	Upper
146	100		
111	39.7	28.1	52.3
148	65.5	45.1	83.9



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



#63

1,4-Dichlorobenzene

Concen: 51.457 ug/L

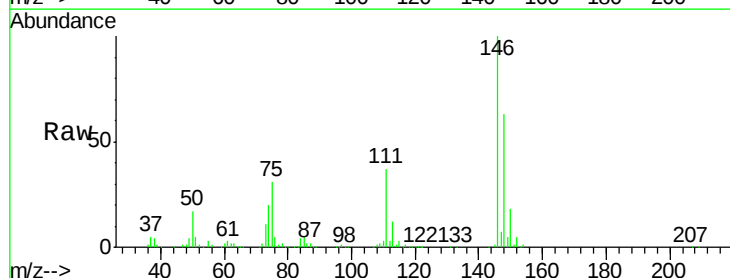
RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

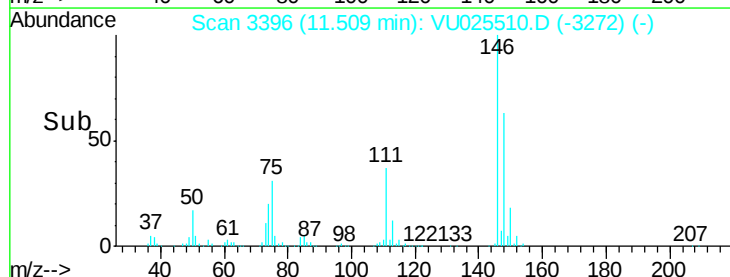
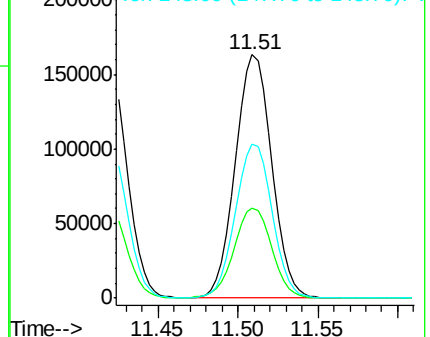
Lab File: VU025510.D

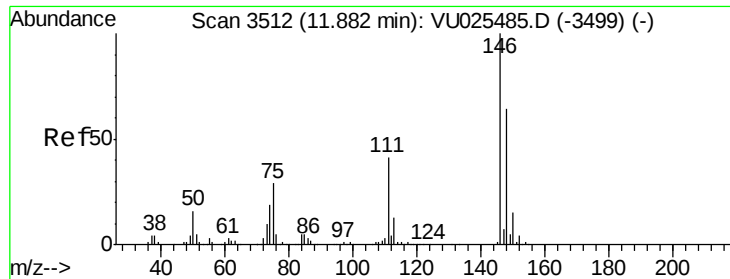
Acq: 18 Jul 2018 20:40

Tgt Ion:	146	Resp:	252492
Ion	Ratio	Lower	Upper
146	100		
111	37.1	26.4	49.0
148	63.3	45.6	84.8



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





#65

1,2-Dichlorobenzene

Concen: 51.631 ug/L

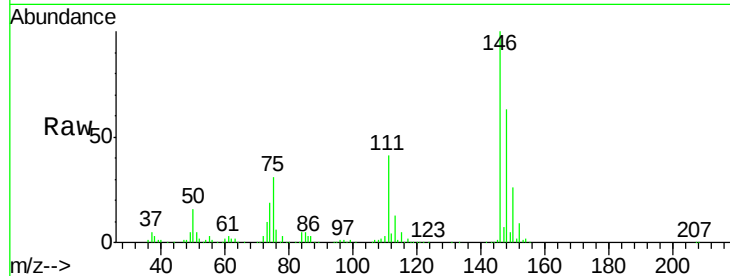
RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025510.D

Acq: 18 Jul 2018 20:40

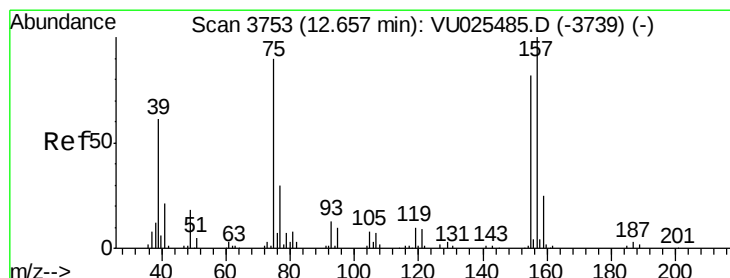
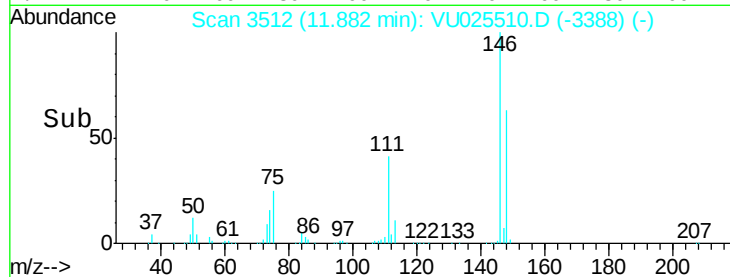
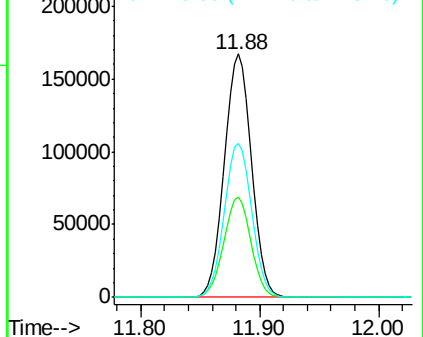
Tgt Ion:	146	Resp:	264717
Ion	Ratio	Lower	Upper
146	100		
111	41.4	33.8	50.6
148	63.5	51.5	77.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 43.982 ug/L

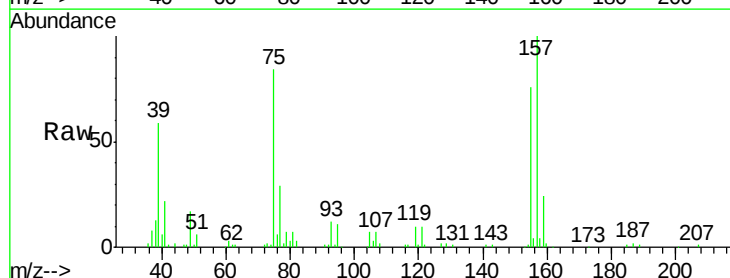
RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU025510.D

Acq: 18 Jul 2018 20:40

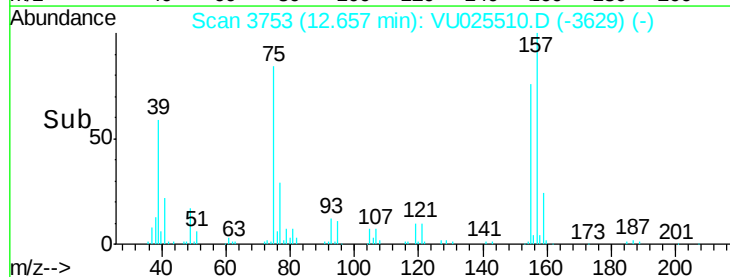
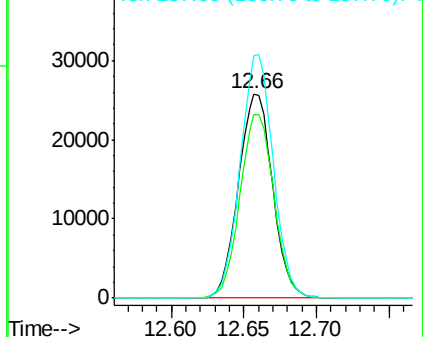
Tgt Ion:	75	Resp:	42200
Ion	Ratio	Lower	Upper
75	100		
155	90.0	67.4	101.0
157	118.7	87.9	131.9

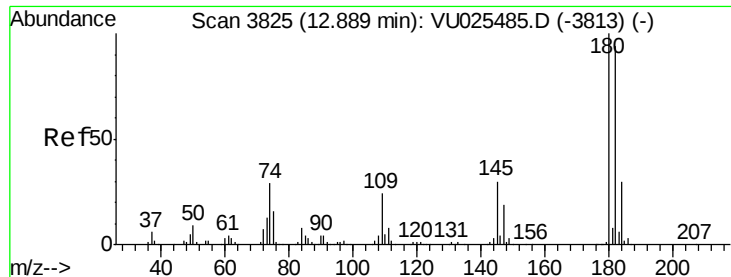


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

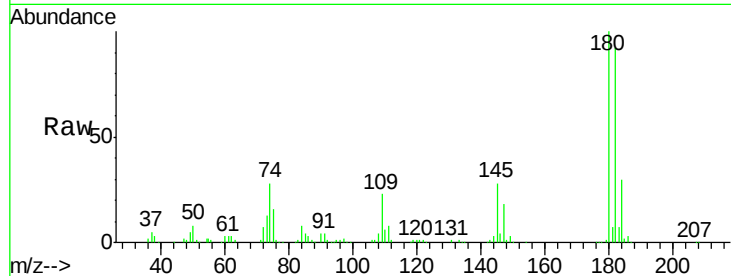
Ion 157.00 (156.70 to 157.70): V





#67
 1,3,5-Trichlorobenzene
 Concen: 52.928 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU025510.D
 Acq: 18 Jul 2018 20:40

Tgt Ion:	180	Resp:	197536
Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.1	112.7
184	30.4	24.6	36.8
145	28.9	23.1	34.7

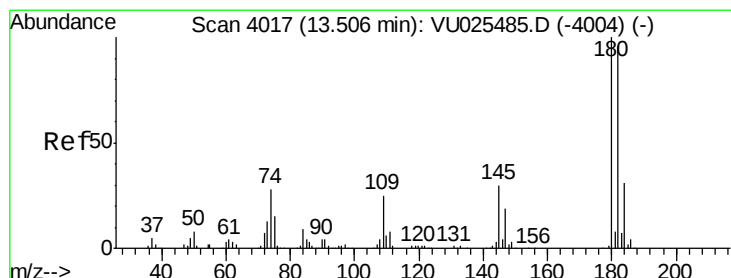
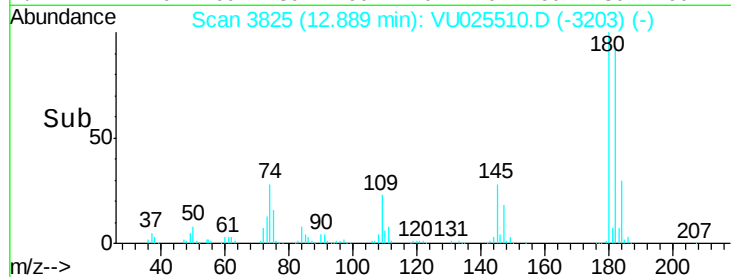
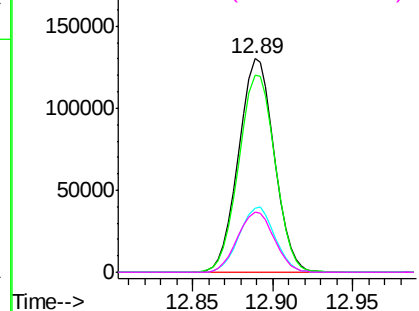


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

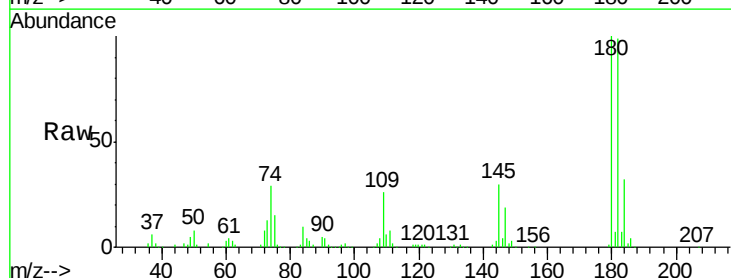
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.508 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025510.D
 Acq: 18 Jul 2018 20:40

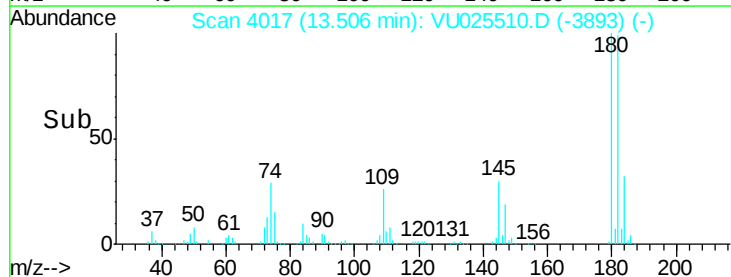
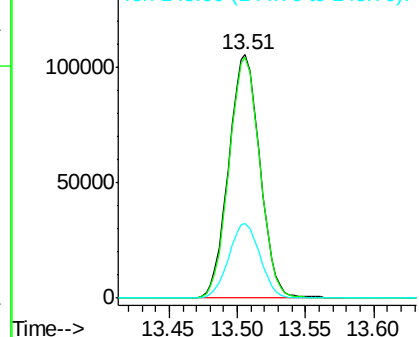
Tgt Ion:	180	Resp:	168090
Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.6	115.0
145	30.5	23.4	35.2

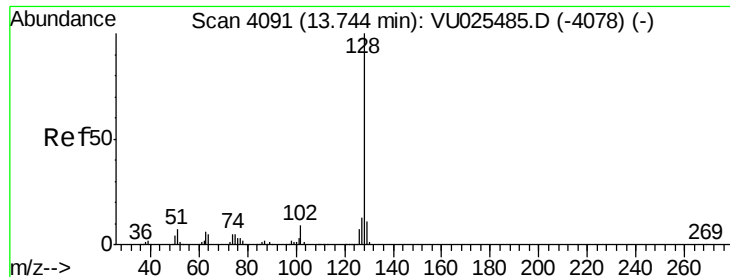


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

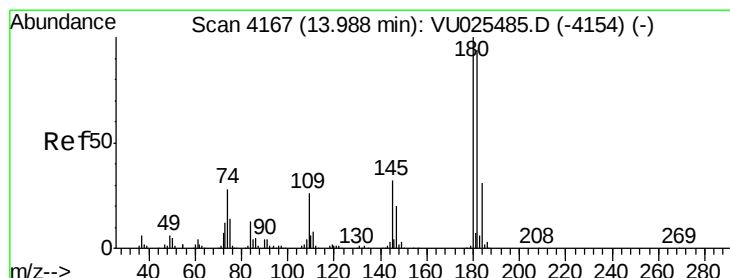
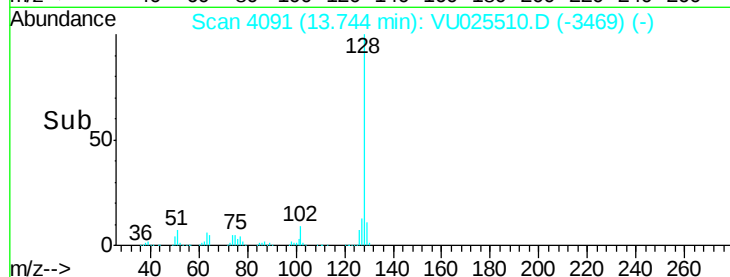
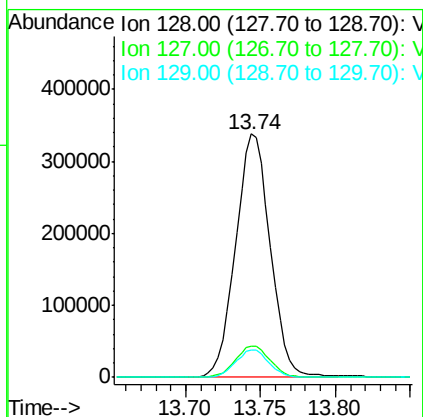
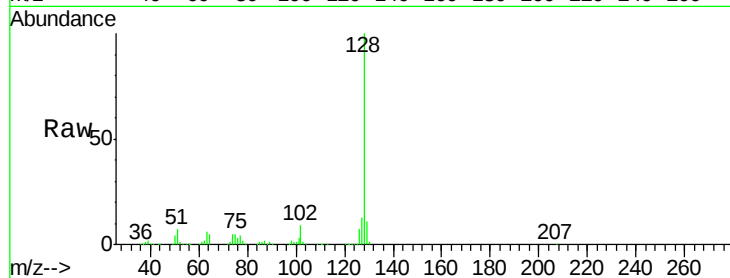
Ion 145.00 (144.70 to 145.70): V





#69
Naphthalene
Concen: 47.336 ug/L
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025510.D
Acq: 18 Jul 2018 20:40

Tgt Ion:128 Resp: 545075
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.9 8.9 13.3



#70
1,2,3-Trichlorobenzene
Concen: 50.602 ug/L
RT: 13.99 min Scan# 4167
Delta R.T. 0.00 min
Lab File: VU025510.D
Acq: 18 Jul 2018 20:40

Tgt Ion:180 Resp: 181623
Ion Ratio Lower Upper
180 100
182 97.4 75.8 113.8
145 31.8 25.3 37.9

