

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028883.D
 Acq On : 21 Dec 2018 19:02
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 21 23:33:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 23:27:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	187131	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	180220	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	83941	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74271	49.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.02%
7) Chloroethane-d5	1.67	69	58338	50.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.70%
11) 1,1-Dichloroethene-d2	2.27	63	126249	50.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.08%
21) 2-Butanone-d5	4.18	46	125445	119.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.35%
24) Chloroform-d	4.65	84	124551	52.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.31	65	76098	52.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.66%
32) Benzene-d6	5.34	84	268336	52.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.33	67	92494	53.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.96%
41) Toluene-d8	7.56	98	237976	51.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.16%
43) trans-1,3-Dichloropropene-	7.85	79	39044	50.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.76%
47) 2-Hexanone-d5	8.31	63	97111	118.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.21%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	129869	54.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	90147	53.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	75192	49.277	ug/L 99
3) Chloromethane	1.33	50	101601	48.967	ug/L 98
5) Vinyl chloride	1.40	62	94557	51.586	ug/L 99
6) Bromomethane	1.61	94	38663	49.518	ug/L 97
8) Chloroethane	1.68	64	53824	51.444	ug/L 100
9) Trichlorofluoromethane	1.88	101	97021	51.760	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	59620	49.160	ug/L 97
12) 1,1-Dichloroethene	2.28	96	60769	50.648	ug/L 96
13) Acetone	2.32	43	75176	70.182	ug/L 99
14) Carbon disulfide	2.47	76	203823	48.646	ug/L 100
15) Methyl Acetate	2.62	43	89385	53.525	ug/L 99
16) Methylene chloride	2.70	84	76297	51.564	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	65921	50.712	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	214722	53.718	ug/L 99
19) 1,1-Dichloroethane	3.44	63	132307	52.359	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	77521	52.645	ug/L 99
22) 2-Butanone	4.26	43	127967	98.106	ug/L 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028883.D
 Acq On : 21 Dec 2018 19:02
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

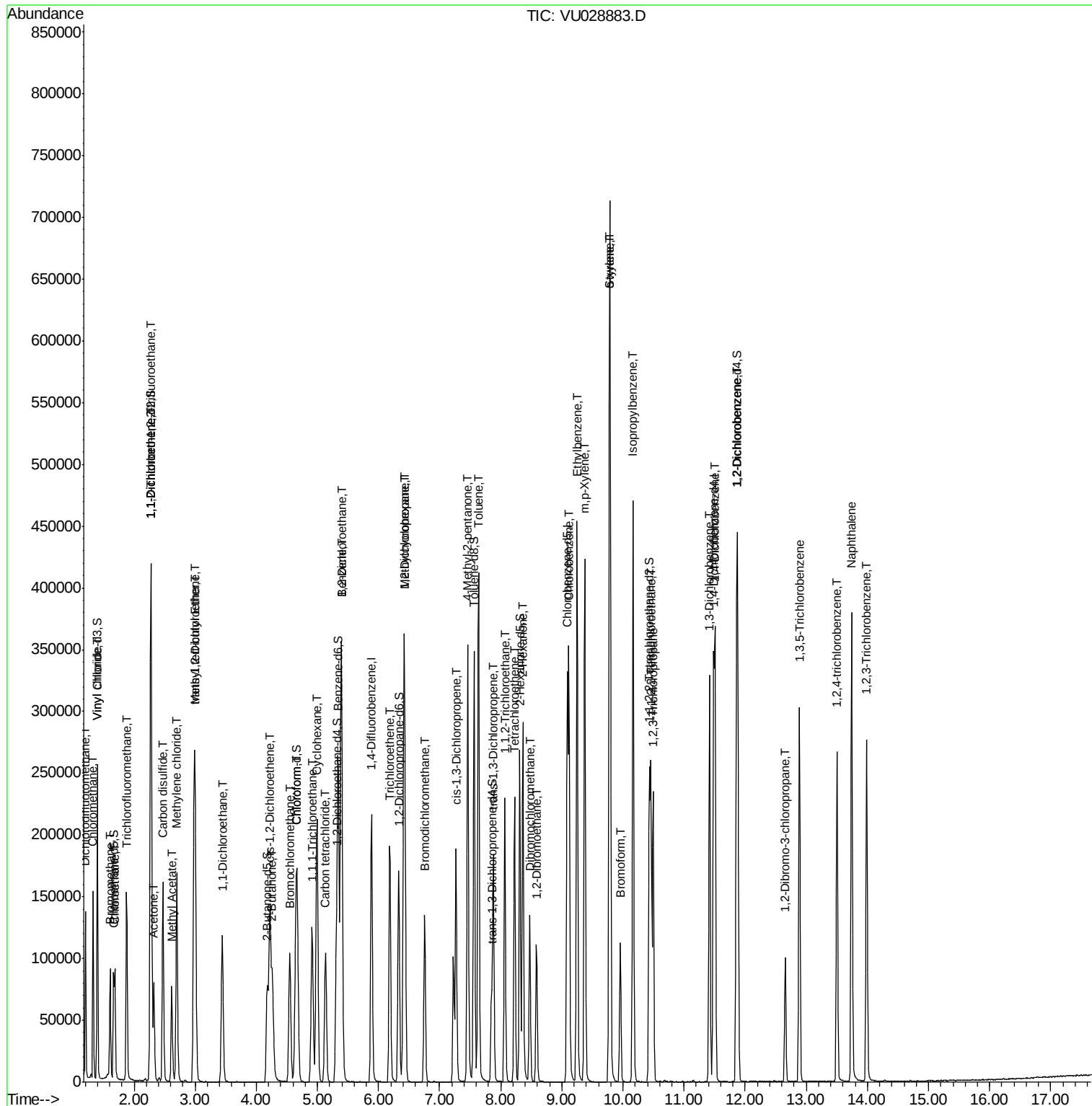
Quant Time: Dec 21 23:33:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 23:27:40 2018
 Response via : Initial Calibration

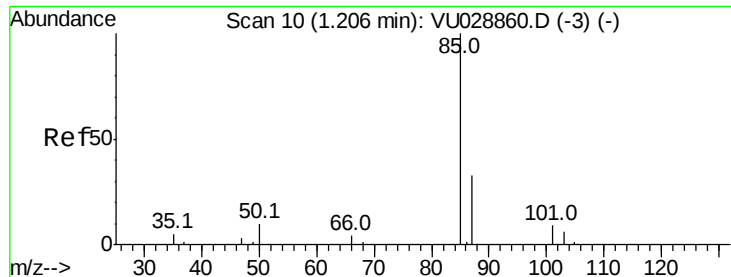
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	36291	51.699	ug/L	97
25) Chloroform	4.67	83	124757	51.872	ug/L	99
27) 1,2-Dichloroethane	5.40	62	94725	52.995	ug/L	99
29) Cyclohexane	4.99	56	120147	50.090	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	98317	51.542	ug/L	99
31) Carbon tetrachloride	5.13	117	78170	50.819	ug/L	100
33) Benzene	5.39	78	303786	52.947	ug/L	100
34) Trichloroethene	6.18	95	70489	50.888	ug/L	98
35) Methylcyclohexane	6.41	83	113132	49.037	ug/L	100
37) 1,2-Dichloropropane	6.43	63	84643	52.775	ug/L	100
38) Bromodichloromethane	6.76	83	92255	51.942	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	116459	50.932	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	241135	111.857	ug/L	99
42) Toluene	7.64	91	310850	53.447	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	104540	51.290	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	73145	53.340	ug/L	99
46) Tetrachloroethene	8.22	164	54262	50.863	ug/L	99
48) 2-Hexanone	8.36	43	187037	105.710	ug/L	99
49) Dibromochloromethane	8.48	129	69738	51.056	ug/L	99
50) 1,2-Dibromoethane	8.58	107	76451	53.584	ug/L	99
51) Chlorobenzene	9.12	112	189732	51.761	ug/L	100
52) Ethylbenzene	9.25	91	327221	52.360	ug/L	99
53) m,p-Xylene	9.37	106	121045	52.378	ug/L	98
54) o-xylene	9.78	106	123728	53.419	ug/L	100
55) Styrene	9.79	104	209488	53.403	ug/L	97
56) Isopropylbenzene	10.16	105	309953	52.752	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	131691	52.862	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	100624	52.574	ug/L	100
61) Bromoform	9.96	173	52256	50.219	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	136822	51.311	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	138918	50.566	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	145767	52.404	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	25006	52.117	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	100093	50.911	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	85219	51.762	ug/L	98
69) Naphthalene	13.74	128	308699	54.006	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	92189	51.929	ug/L	99

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122118\  
Data File : VU028883.D  
Acq On    : 21 Dec 2018   19:02  
Operator  : MD/SY  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA U/WATER  
ALS Vial  : 25      Sample Multiplier: 1
```

Quant Time: Dec 21 23:33:18 2018
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 23:27:40 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 49.277 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028883.D

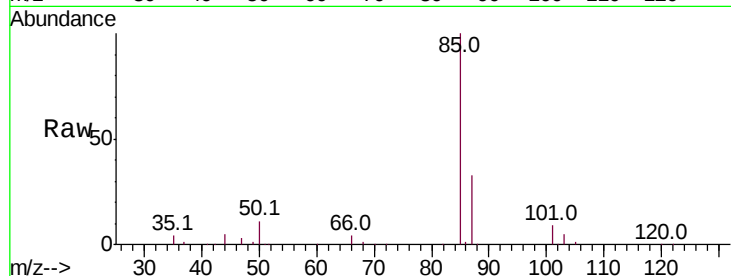
Acq: 21 Dec 2018 19:02

Tot Ion: 85 Resp: 75192

Ion Ratio Lower Upper

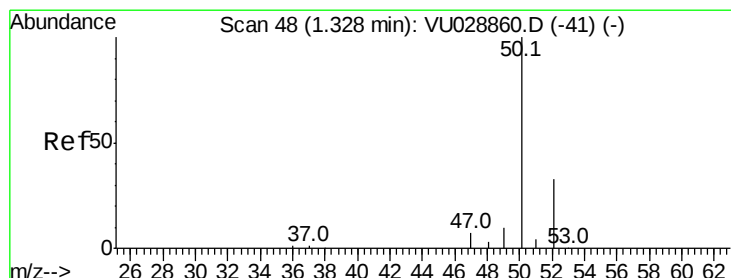
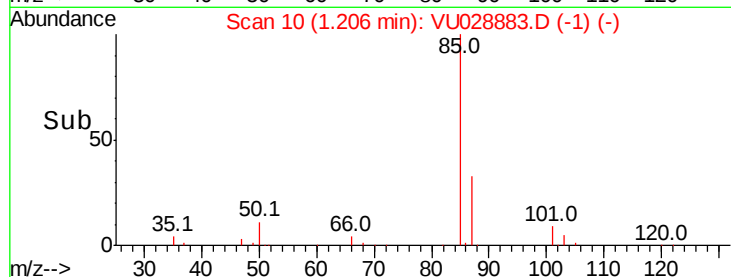
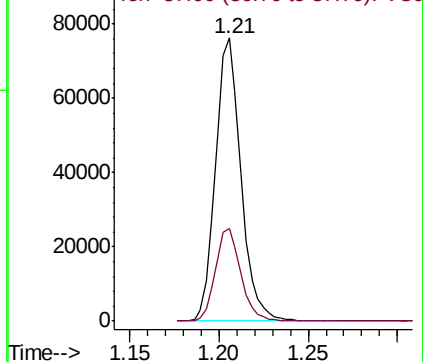
85 100

87 32.5 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 48.967 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028883.D

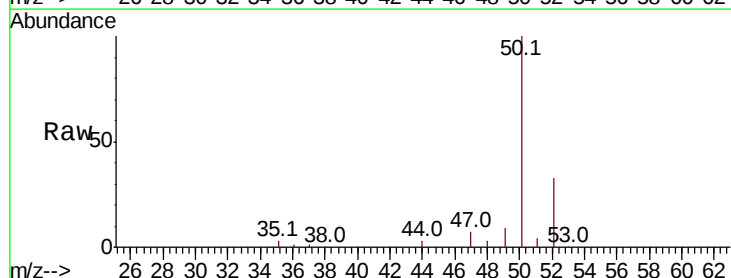
Acq: 21 Dec 2018 19:02

Tgt Ion: 50 Resp: 101601

Ion Ratio Lower Upper

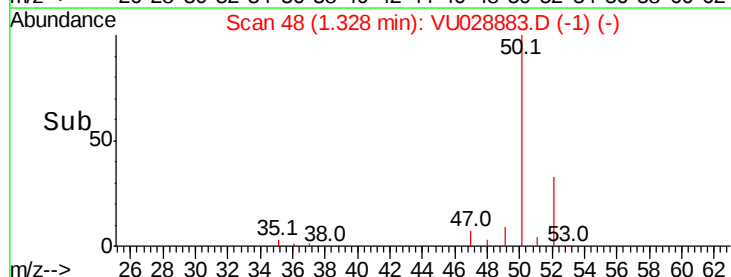
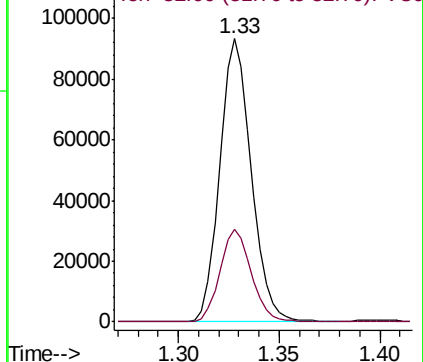
50 100

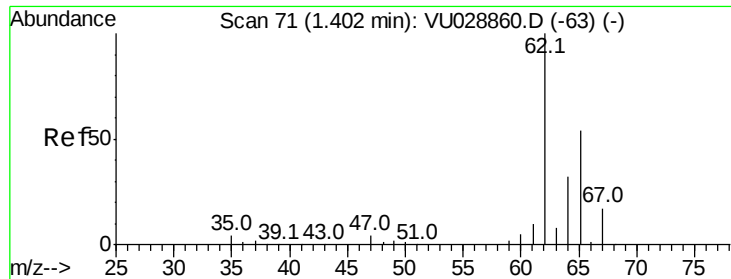
52 32.8 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 51.586 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028883.D

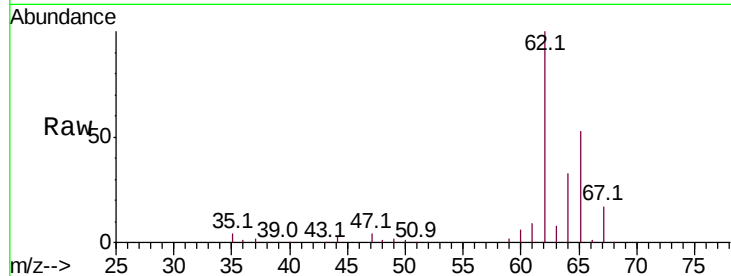
Acq: 21 Dec 2018 19:02

Tot Ion: 62 Resp: 94557

Ion Ratio Lower Upper

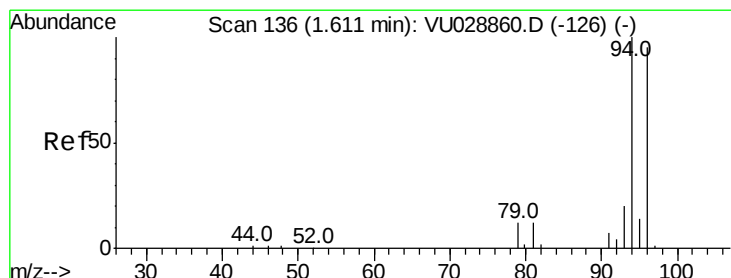
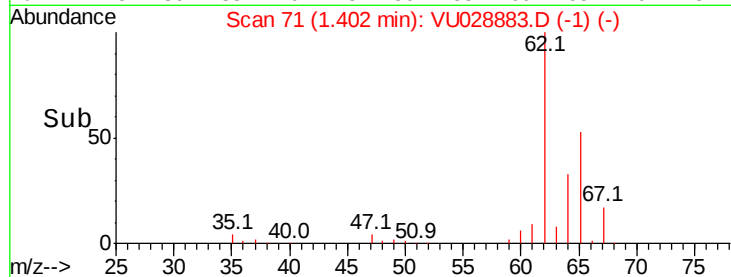
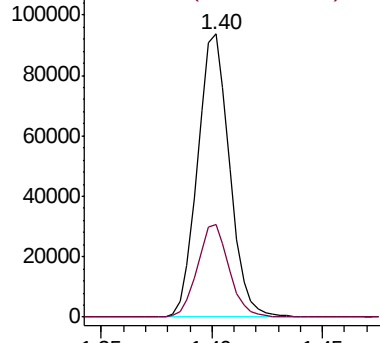
62 100

64 32.6 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 49.518 ug/L

RT: 1.61 min Scan# 135

Delta R.T. -0.00 min

Lab File: VU028883.D

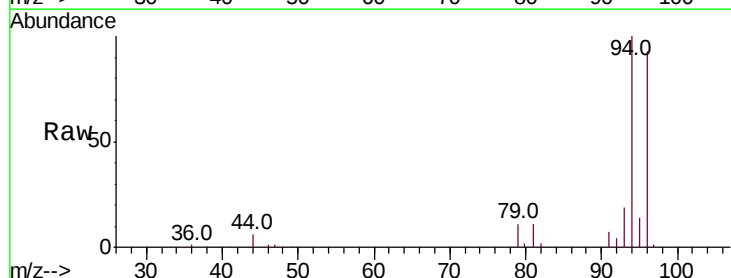
Acq: 21 Dec 2018 19:02

Tgt Ion: 94 Resp: 38663

Ion Ratio Lower Upper

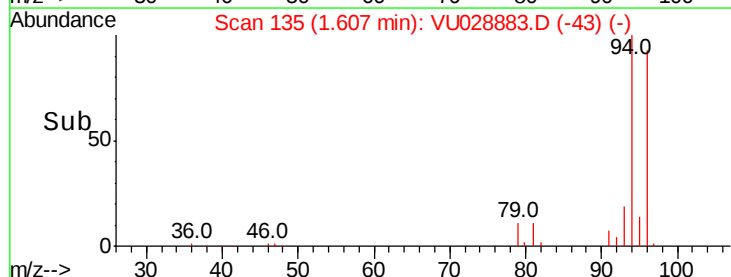
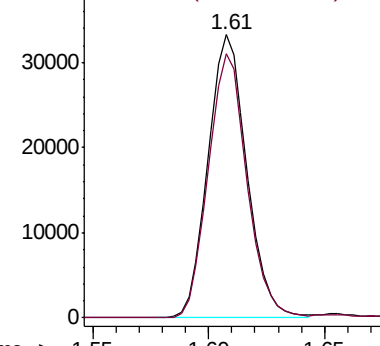
94 100

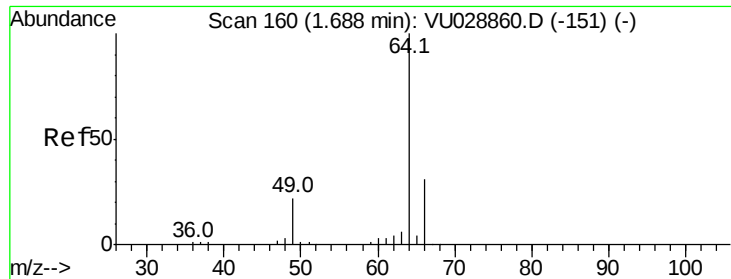
96 93.3 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 51.444 ug/L

RT: 1.68 min Scan# 159

Delta R.T. -0.00 min

Lab File: VU028883.D

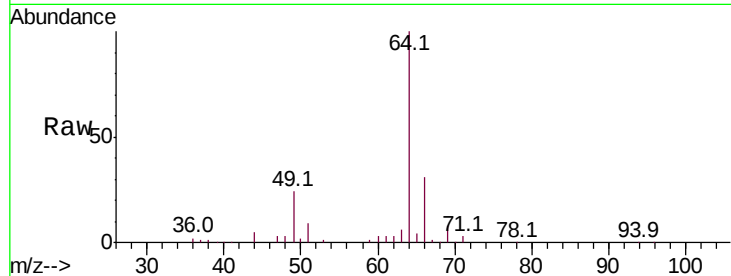
Acq: 21 Dec 2018 19:02

Tot Ion: 64 Resp: 53824

Ion Ratio Lower Upper

64 100

66 30.8 21.5 39.9



Abundance Ion 64.00 (63.70 to 64.70): VU028860.D (-151) (-)

Ion 66.00 (65.70 to 66.70): VU028883.D (-36) (-)

1.68

40000

30000

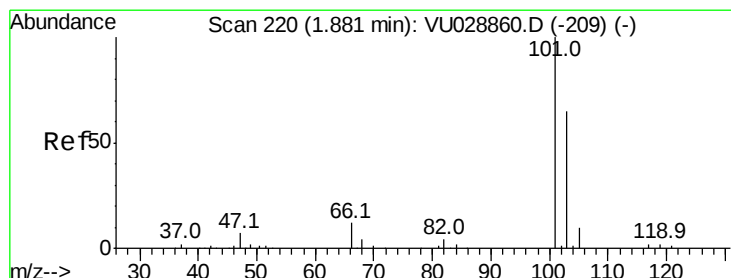
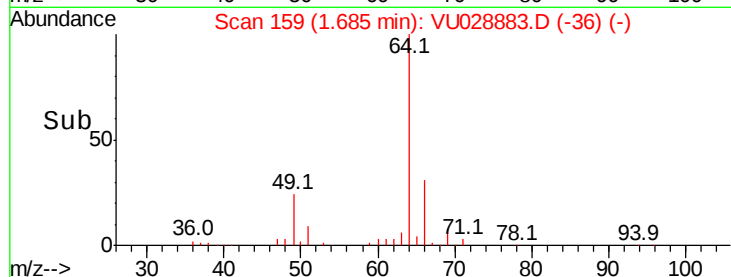
20000

10000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 51.760 ug/L

RT: 1.88 min Scan# 219

Delta R.T. -0.00 min

Lab File: VU028883.D

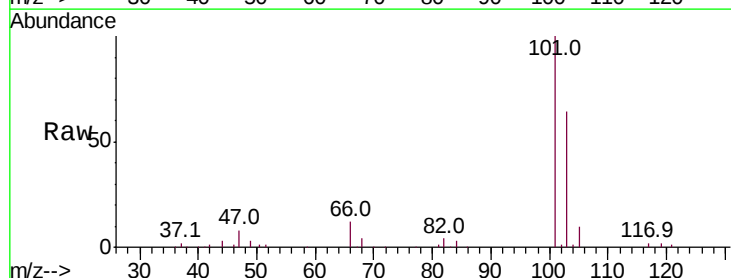
Acq: 21 Dec 2018 19:02

Tgt Ion: 101 Resp: 97021

Ion Ratio Lower Upper

101 100

103 64.4 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU028860.D (-209) (-)

Ion 103.00 (102.70 to 103.70): VU028883.D (-96) (-)

1.88

80000

60000

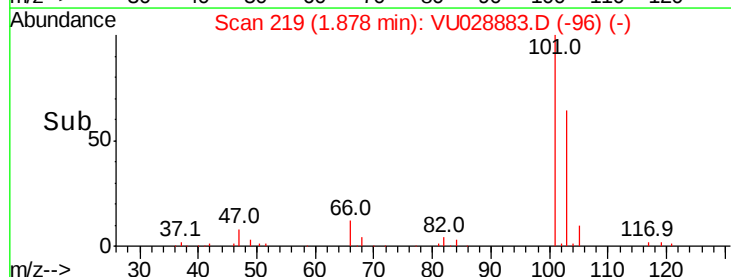
40000

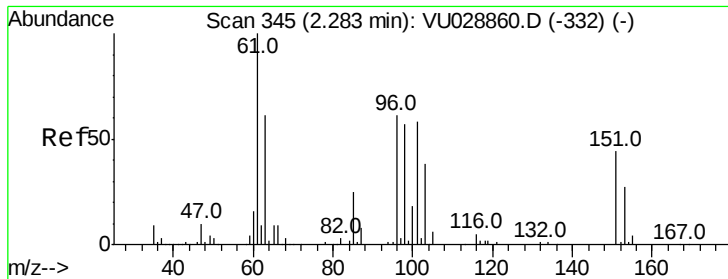
20000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 49.160 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

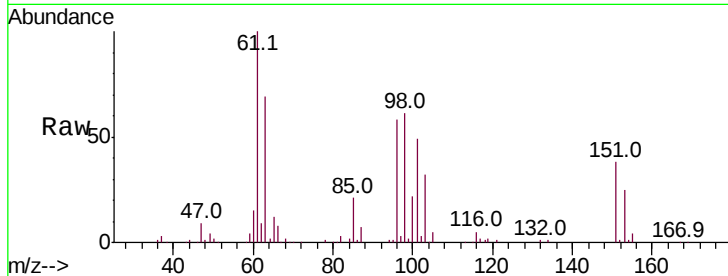
Tot Ion:101 Resp: 59620

Ion Ratio Lower Upper

101 100

85 43.1 33.8 50.6

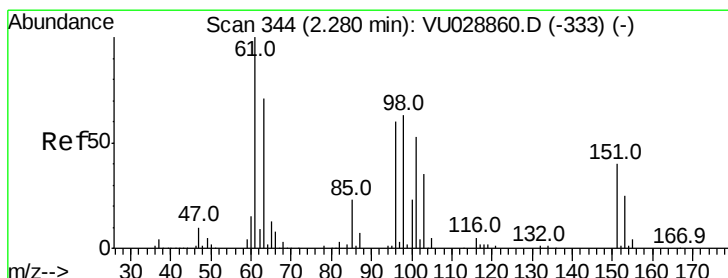
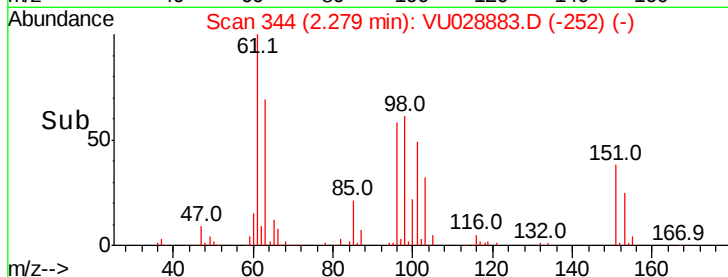
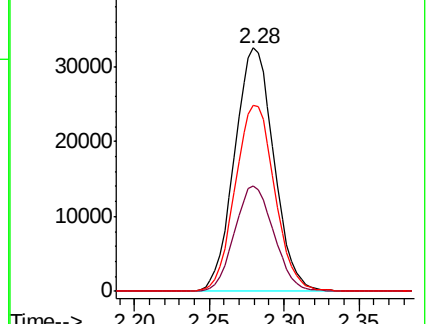
151 76.9 59.4 89.0



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: 50.648 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

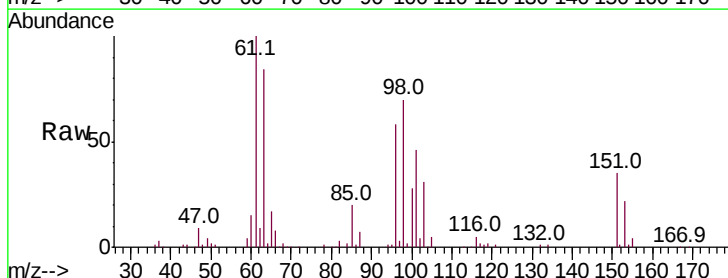
Tgt Ion: 96 Resp: 60769

Ion Ratio Lower Upper

96 100

61 173.5 119.3 221.5

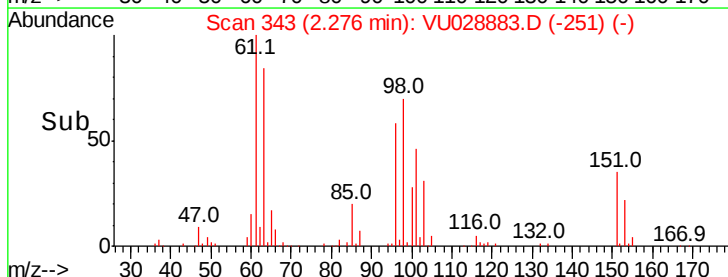
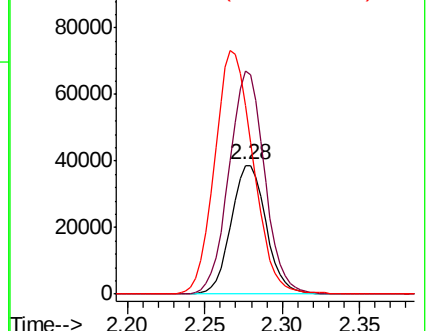
63 146.4 107.4 199.6

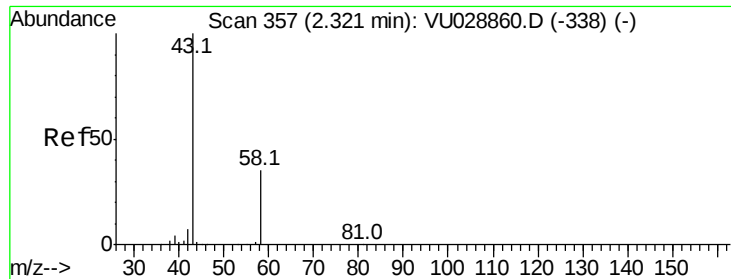


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 70.182 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028883.D

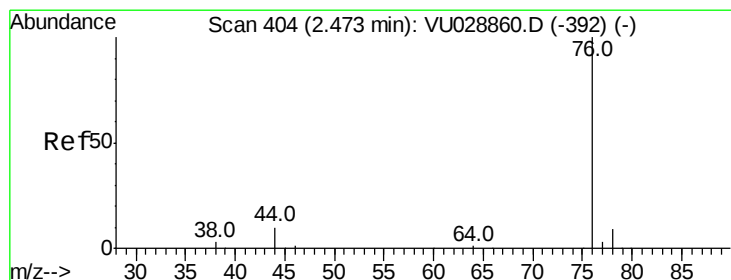
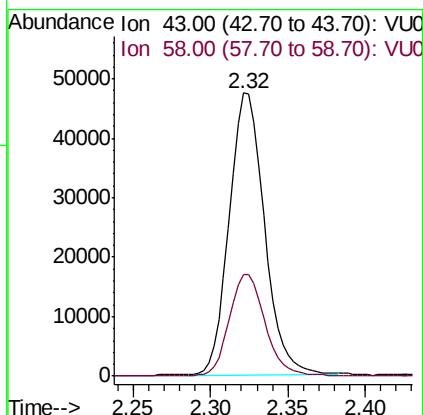
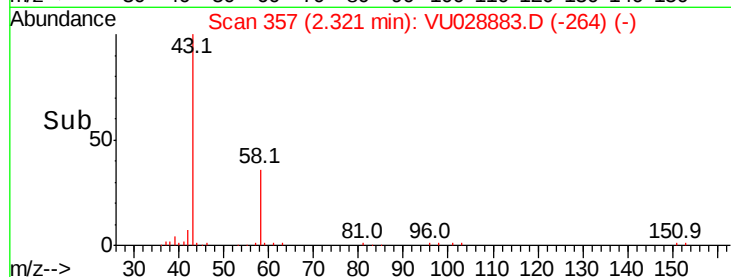
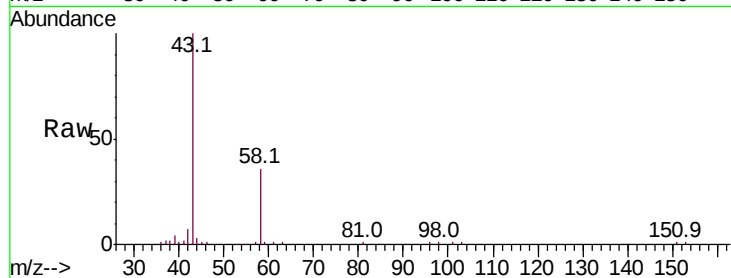
Acq: 21 Dec 2018 19:02

Tot Ion: 43 Resp: 75176

Ion Ratio Lower Upper

43 100

58 35.7 0.0 70.2



#14

Carbon disulfide

Concen: 48.646 ug/L

RT: 2.47 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU028883.D

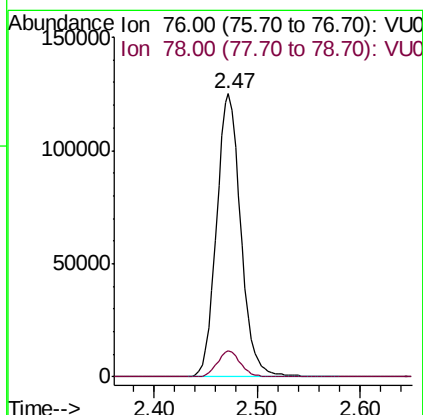
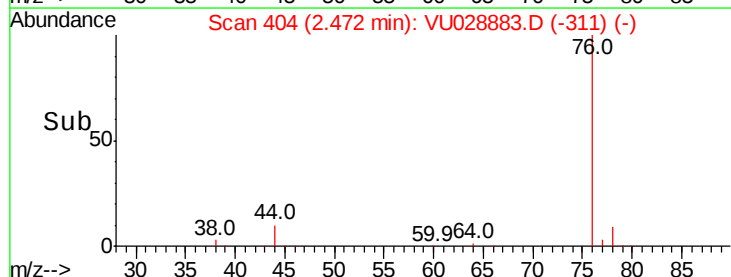
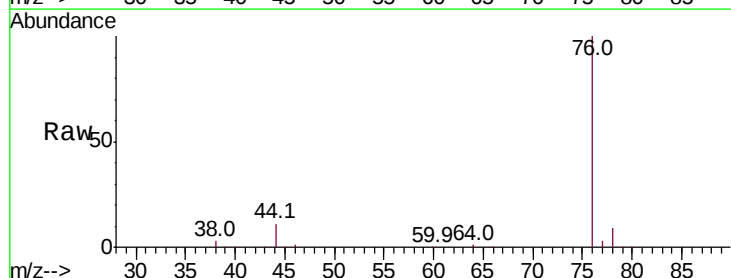
Acq: 21 Dec 2018 19:02

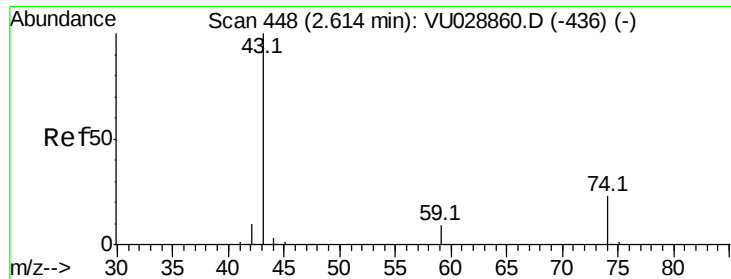
Tgt Ion: 76 Resp: 203823

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0





#15

Methvl Acetate

Concen: 53.525 ug/L

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028883.D

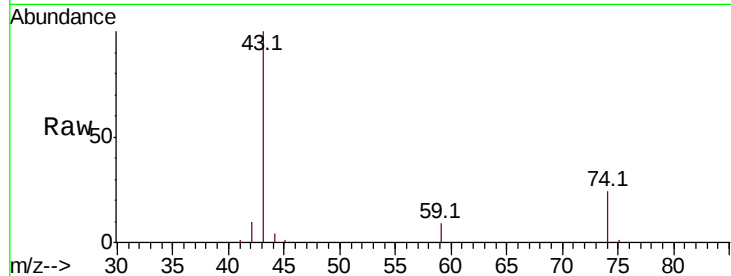
Acq: 21 Dec 2018 19:02

Tot Ion: 43 Resp: 89385

Ion Ratio Lower Upper

43 100

74 23.9 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

60000

50000

40000

30000

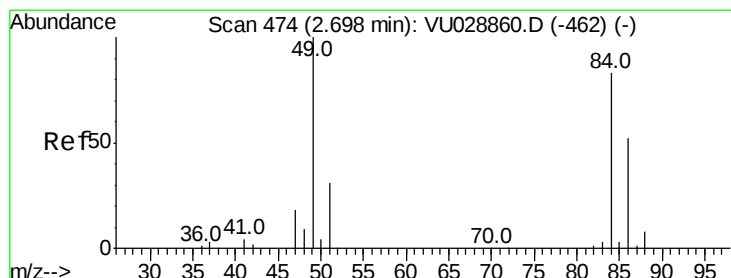
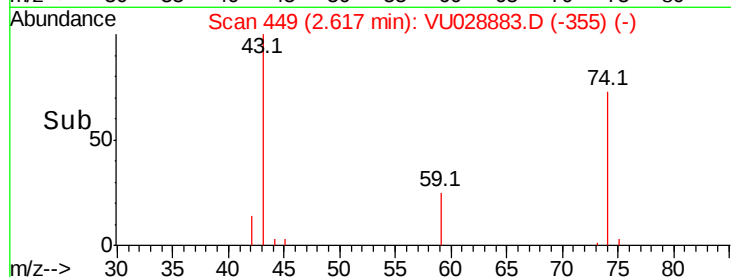
20000

10000

0

2.55 2.60 2.65 2.70

Time-->



#16

Methylene chloride

Concen: 51.564 ug/L

RT: 2.70 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

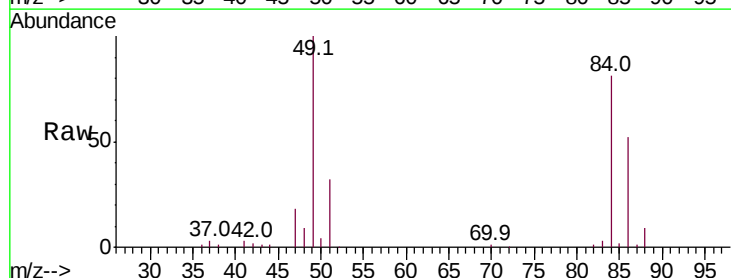
Tgt Ion: 84 Resp: 76297

Ion Ratio Lower Upper

84 100

86 64.3 44.9 83.3

49 122.8 83.9 155.7



Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

60000

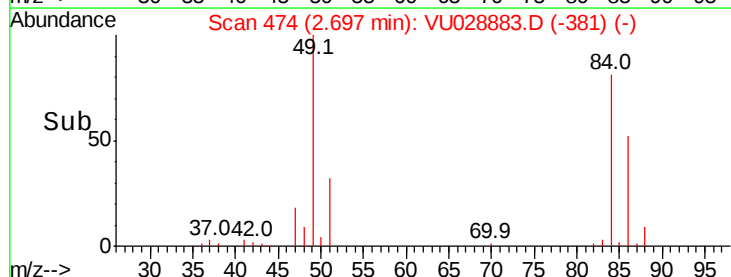
40000

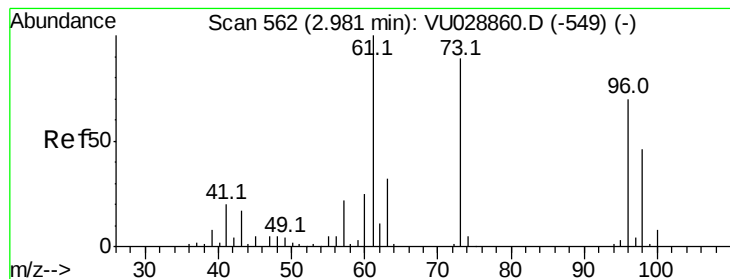
20000

0

2.60 2.65 2.70 2.75 2.80

Time-->





#17

trans-1,2-Dichloroethene

Concen: 50.712 ug/L

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

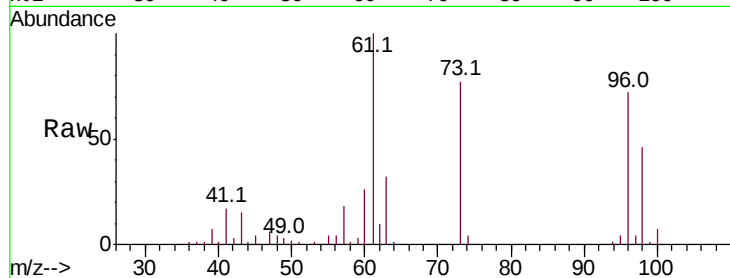
Tot Ion: 96 Resp: 65921

Ion Ratio Lower Upper

96 100

61 139.0 97.9 181.7

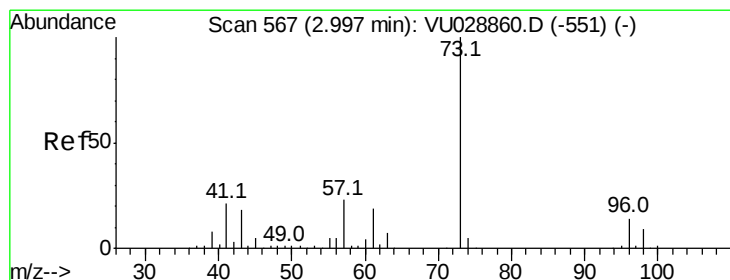
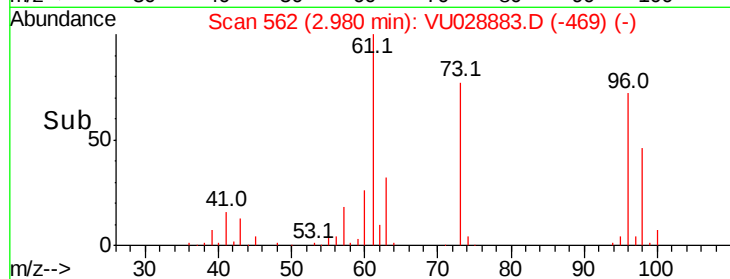
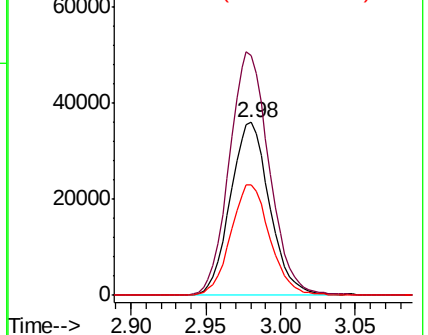
98 64.1 44.1 81.9



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: 53.718 ug/L

RT: 3.00 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

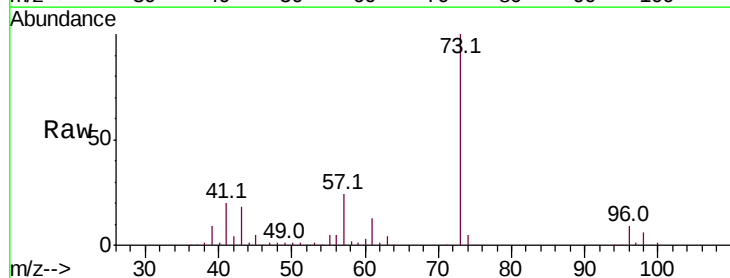
Tgt Ion: 73 Resp: 214722

Ion Ratio Lower Upper

73 100

43 18.6 15.3 22.9

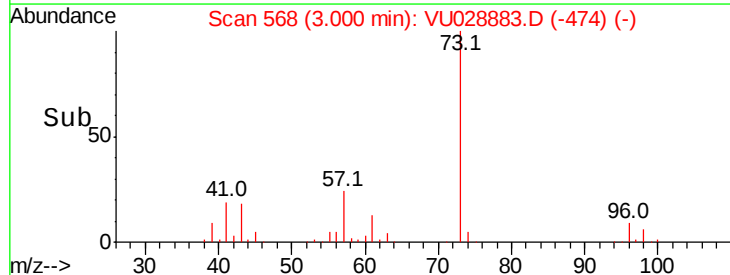
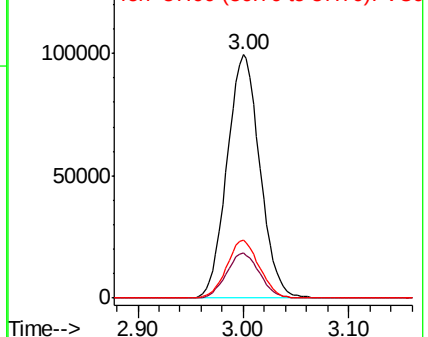
57 23.5 19.0 28.4

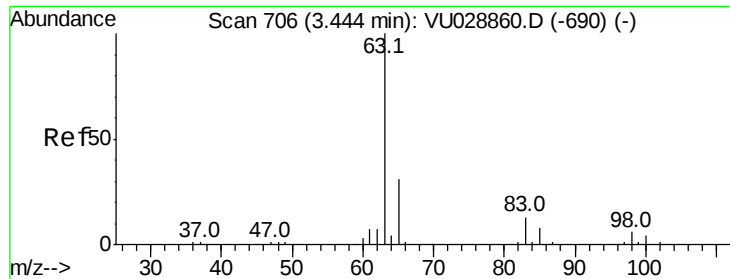


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 52.359 ug/L

RT: 3.44 min Scan# 706

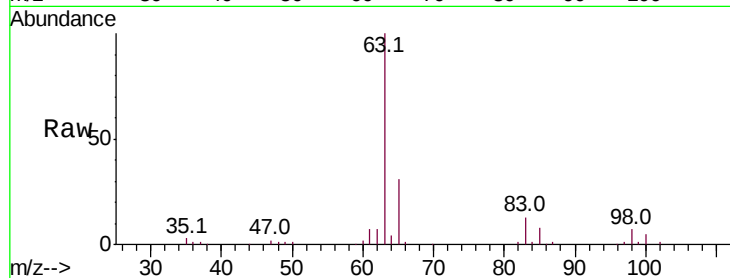
Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

Tot Ion: 63 Resp: 132307

Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.7	42.1
83	12.8	9.0	16.8

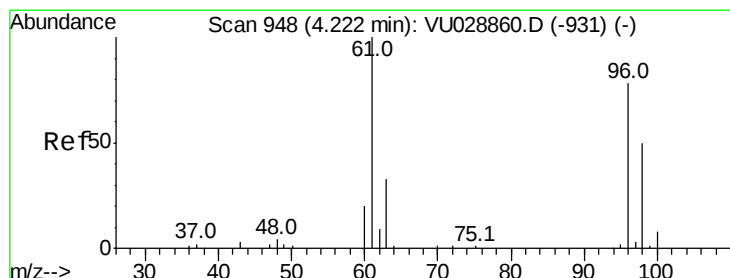
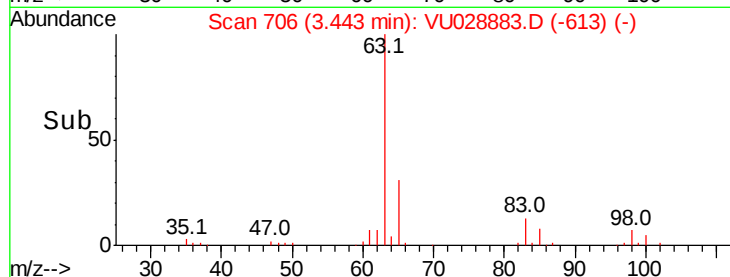
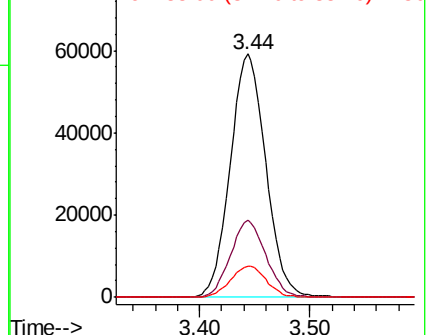


Abundance

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: 52.645 ug/L

RT: 4.22 min Scan# 949

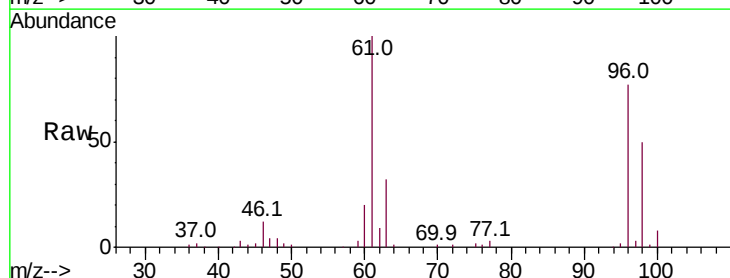
Delta R.T. 0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

Tgt Ion: 96 Resp: 77521

Ion	Ratio	Lower	Upper
96	100		
61	130.4	92.1	171.1
68	0.0	0.0	0.0

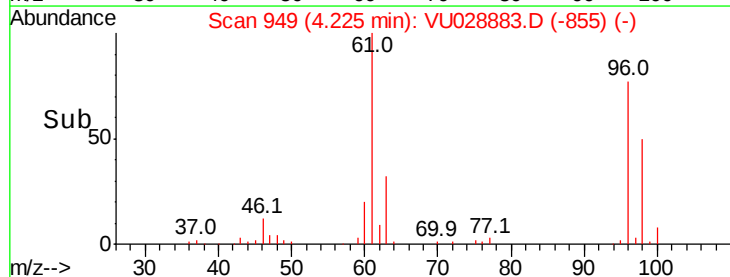
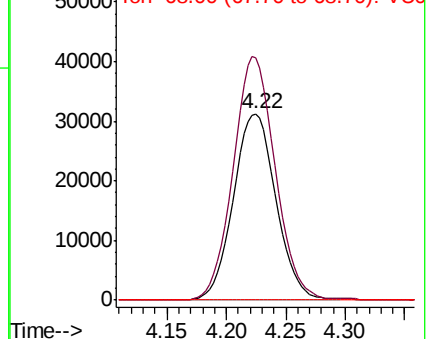


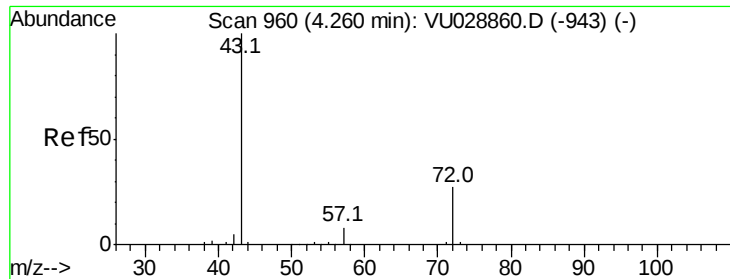
Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 98.106 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028883.D

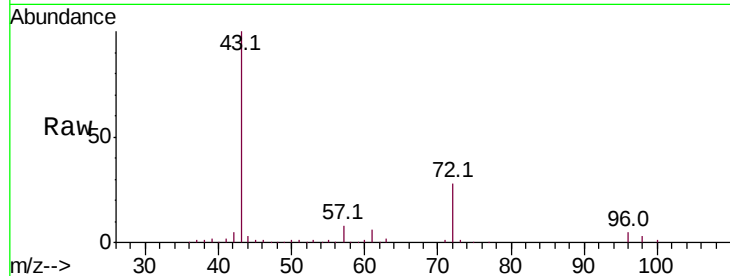
Acq: 21 Dec 2018 19:02

Tot Ion: 43 Resp: 127967

Ion Ratio Lower Upper

43 100

72 28.1 13.7 41.1

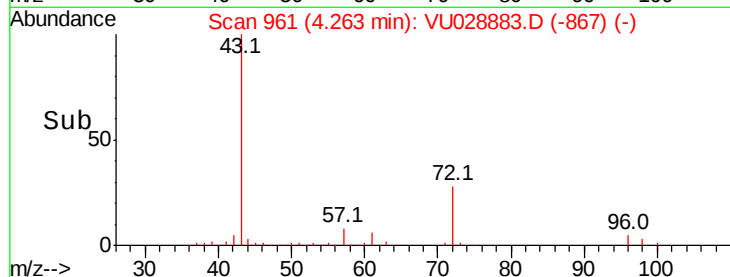


Abundance Ion 43.00 (42.70 to 43.70): VU028860.D (-943) (-)

Ion 72.00 (71.70 to 72.70): VU028860.D (-943) (-)

4.26

Time-->



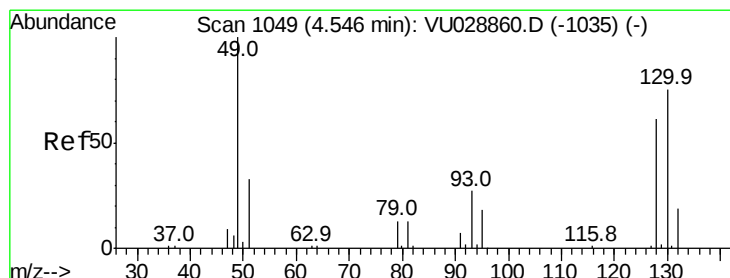
Abundance

Ion 43.00 (42.70 to 43.70): VU028883.D (-867) (-)

Ion 72.00 (71.70 to 72.70): VU028883.D (-867) (-)

4.26

Time-->



#23

Bromochloromethane

Concen: 51.699 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

Tgt Ion: 128 Resp: 36291

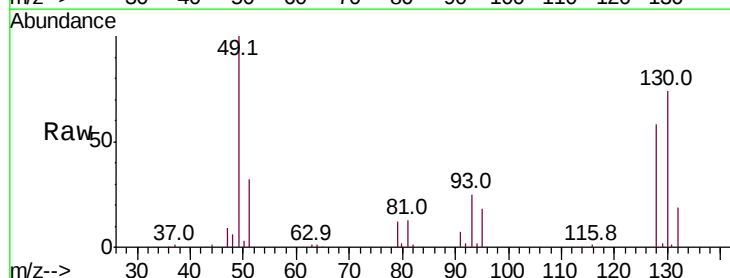
Ion Ratio Lower Upper

128 100

49 172.7 123.0 228.4

130 128.7 86.5 160.7

51 54.8 44.1 66.1



Abundance Ion 128.00 (127.70 to 128.70): VU028860.D (-1035) (-)

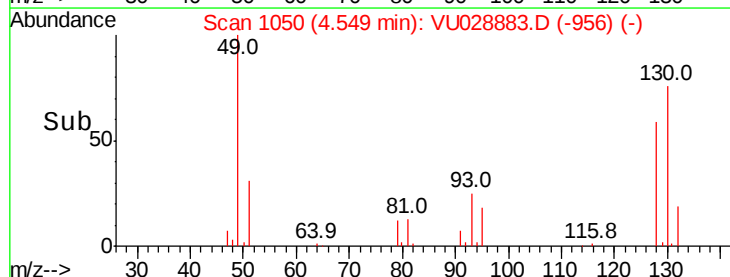
Ion 49.00 (48.70 to 49.70): VU028860.D (-1035) (-)

Ion 130.00 (129.70 to 130.70): VU028860.D (-1035) (-)

Ion 51.00 (50.70 to 51.70): VU028860.D (-1035) (-)

4.55

Time-->



Abundance

Ion 128.00 (127.70 to 128.70): VU028883.D (-956) (-)

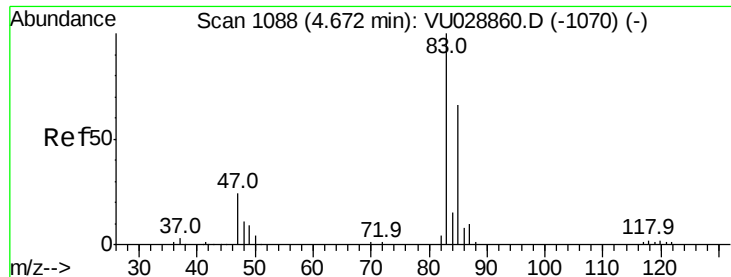
Ion 49.00 (48.70 to 49.70): VU028883.D (-956) (-)

Ion 130.00 (129.70 to 130.70): VU028883.D (-956) (-)

Ion 51.00 (50.70 to 51.70): VU028883.D (-956) (-)

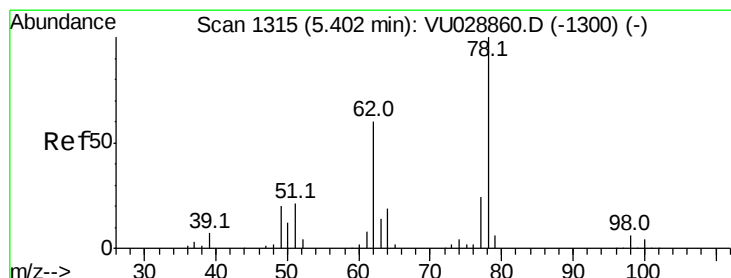
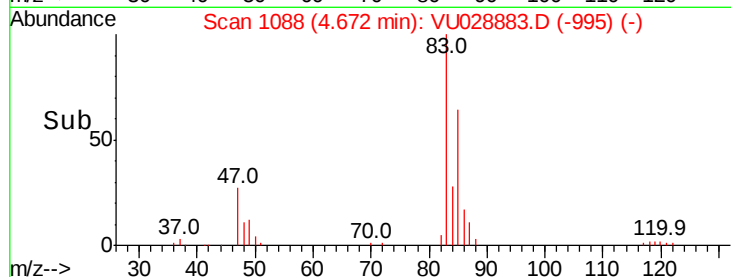
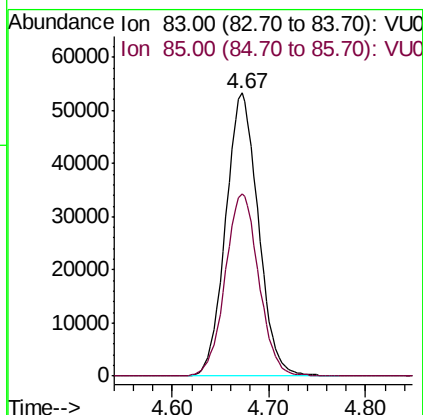
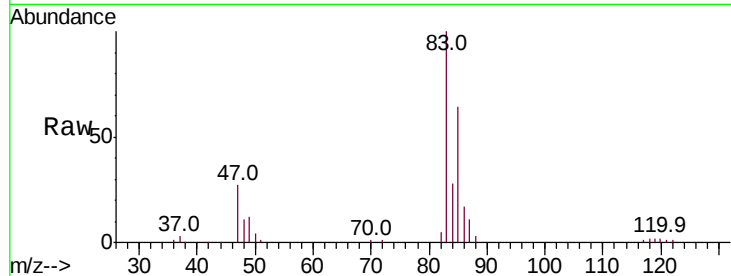
4.55

Time-->



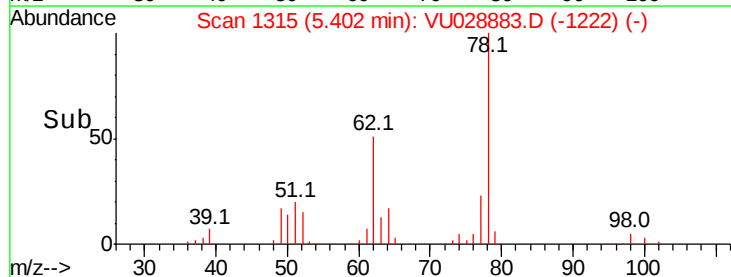
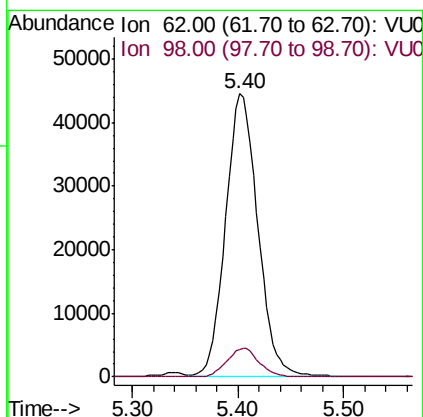
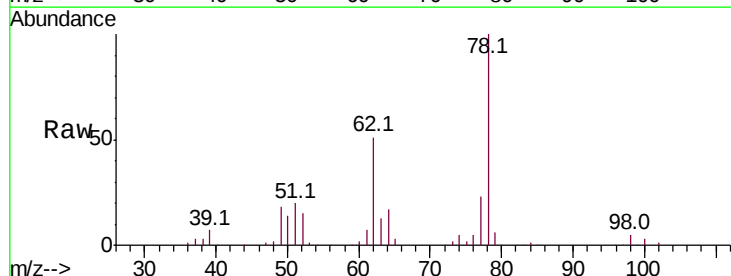
#25
Chloroform
Concen: 51.872 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028883.D
Acq: 21 Dec 2018 19:02

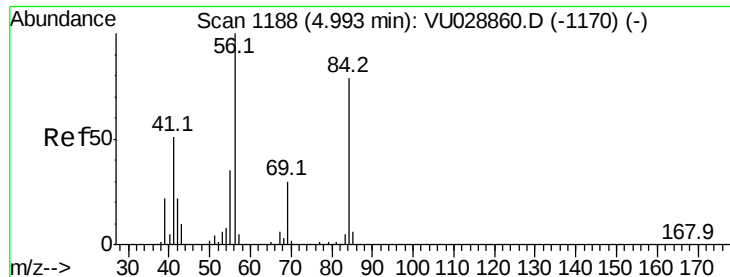
Tot Ion: 83 Resp: 124757
Ion Ratio Lower Upper
83 100
85 64.5 45.6 84.6



#27
1,2-Dichloroethane
Concen: 52.995 ug/L
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028883.D
Acq: 21 Dec 2018 19:02

Tgt Ion: 62 Resp: 94725
Ion Ratio Lower Upper
62 100
98 9.8 7.5 11.3





#29

Cyclohexane

Concen: 50.090 ug/L

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

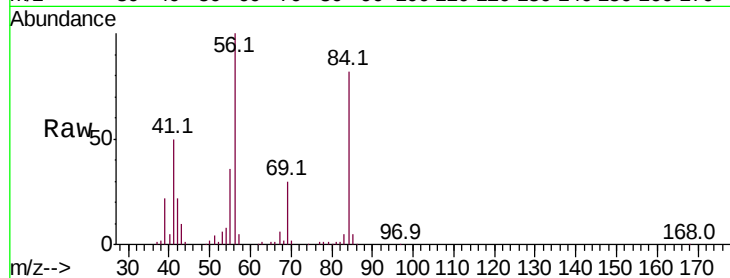
Tot Ion: 56 Resp: 120147

Ion Ratio Lower Upper

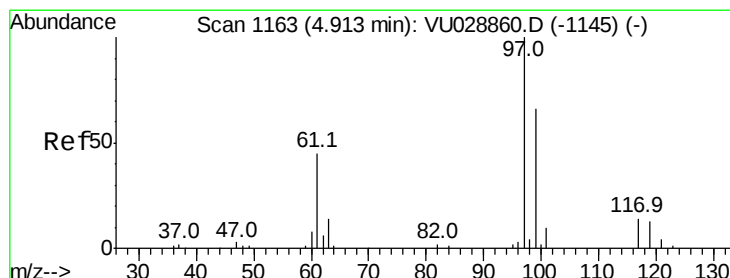
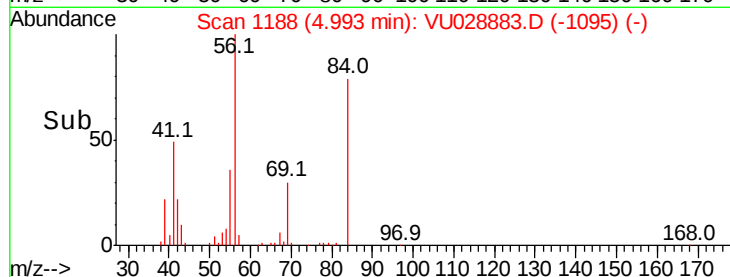
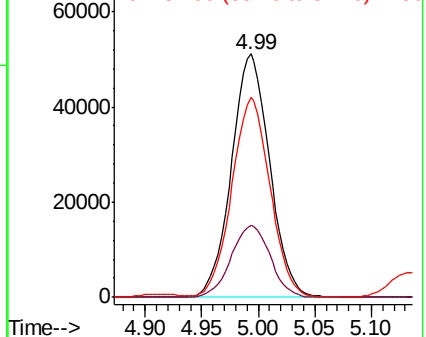
56 100

69 30.2 23.8 35.8

84 82.2 63.8 95.8



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



#30

1,1,1-Trichloroethane

Concen: 51.542 ug/L

RT: 4.91 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

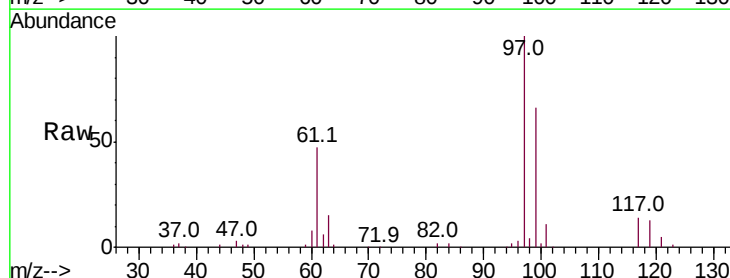
Tgt Ion: 97 Resp: 98317

Ion Ratio Lower Upper

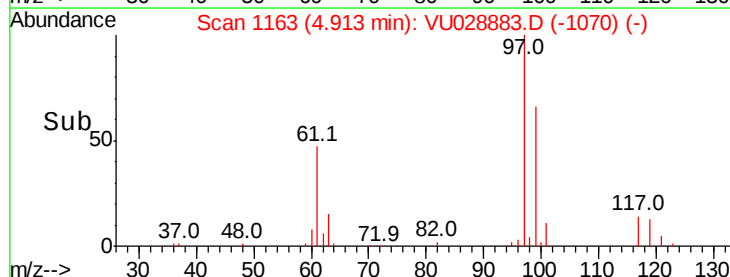
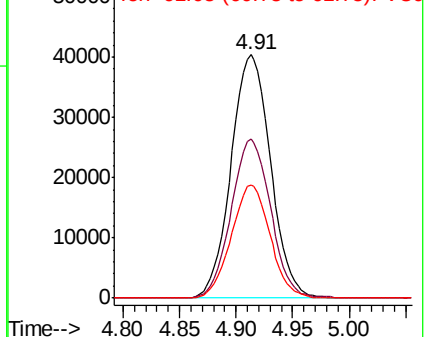
97 100

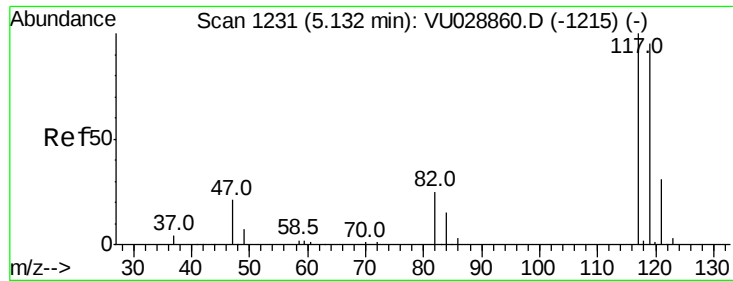
99 65.3 51.2 76.8

61 45.6 36.1 54.1



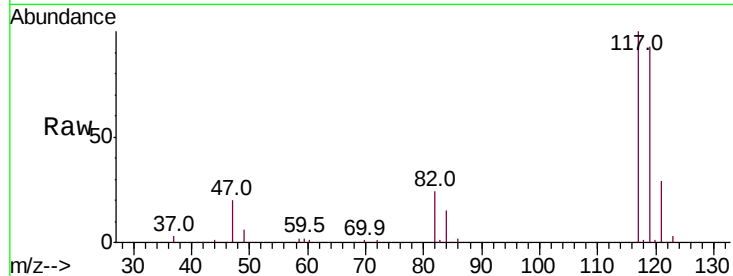
Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0



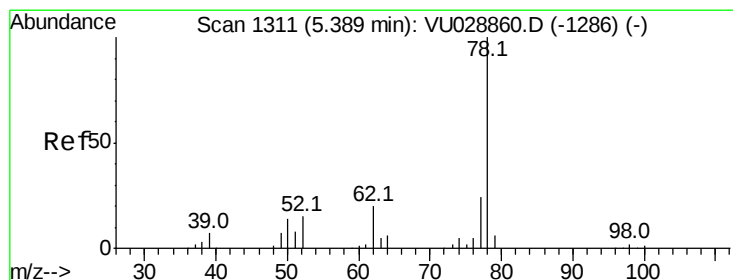
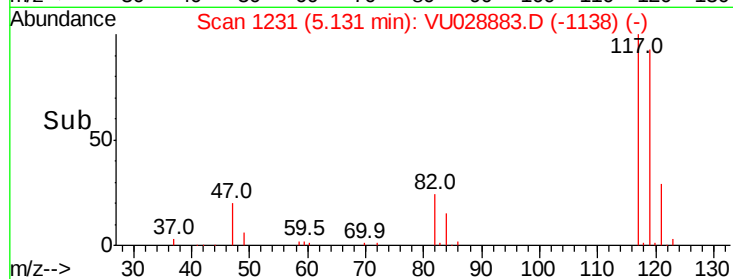
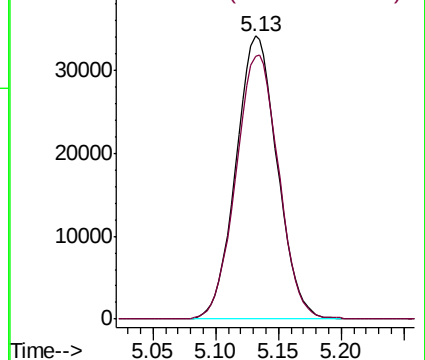


#31
Carbon tetrachloride
Concen: 50.819 ug/L
RT: 5.13 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VU028883.D
Acq: 21 Dec 2018 19:02

Tot Ion:117 Resp: 78170
Ion Ratio Lower Upper
117 100
119 96.3 77.0 115.6

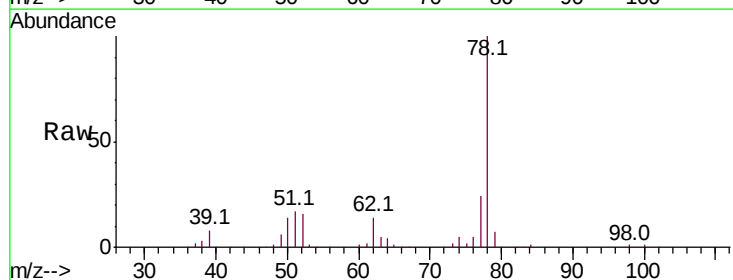


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

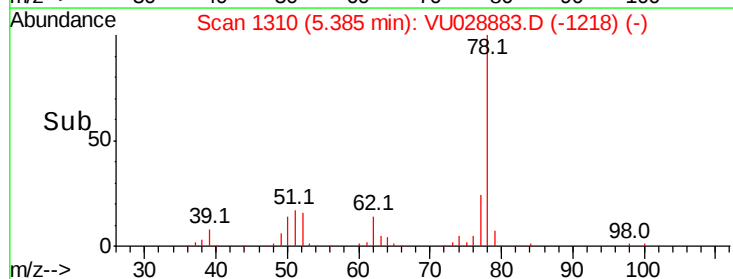
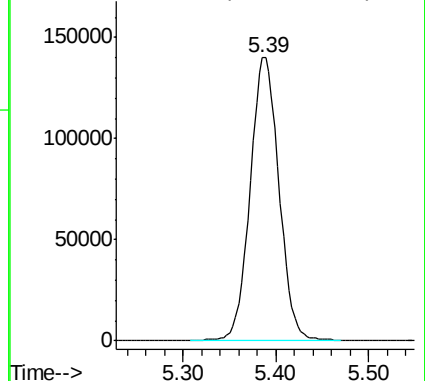


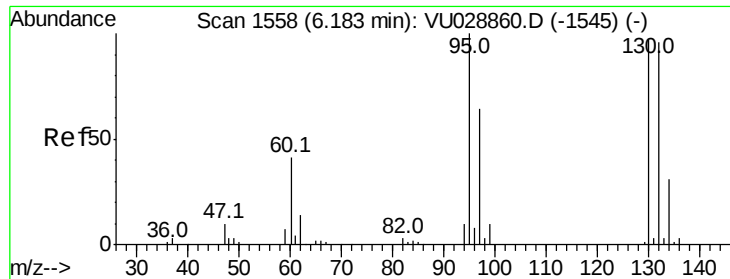
#33
Benzene
Concen: 52.947 ug/L
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028883.D
Acq: 21 Dec 2018 19:02

Tgt Ion: 78 Resp: 303786



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.888 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

Tot Ion: 95 Resp: 70489

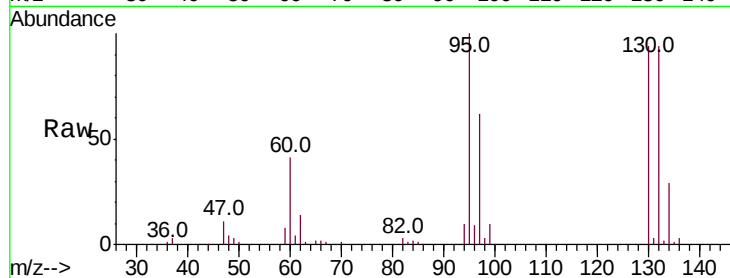
Ion Ratio Lower Upper

95 100

97 61.9 43.3 80.3

132 94.3 64.2 119.2

130 94.1 67.1 124.7

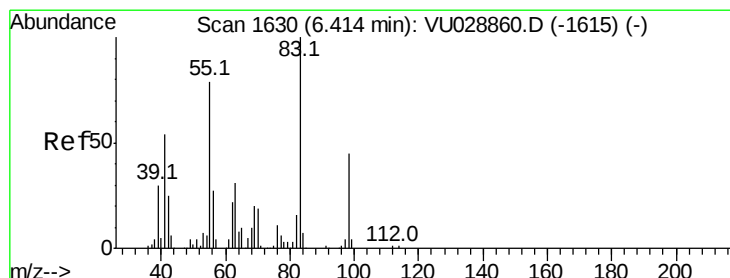
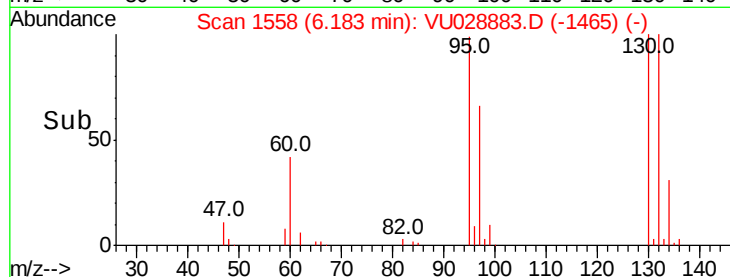
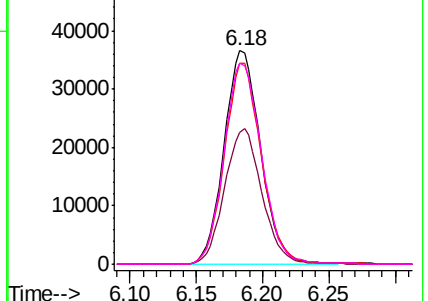


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 49.037 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

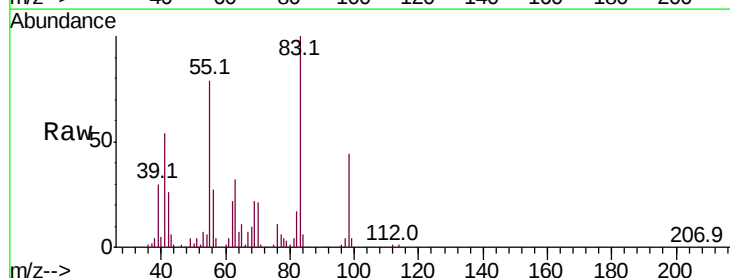
Tgt Ion: 83 Resp: 113132

Ion Ratio Lower Upper

83 100

55 79.2 63.7 95.5

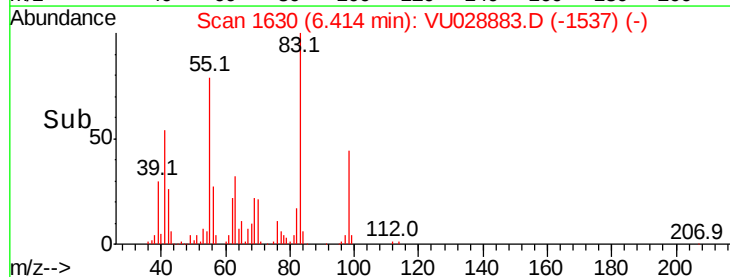
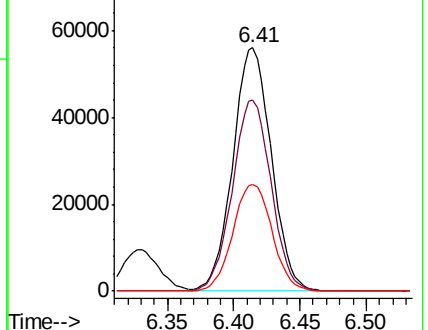
98 44.8 35.6 53.4

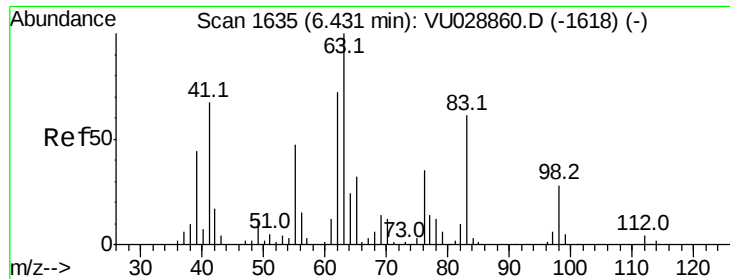


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 52.775 ug/L

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028883.D

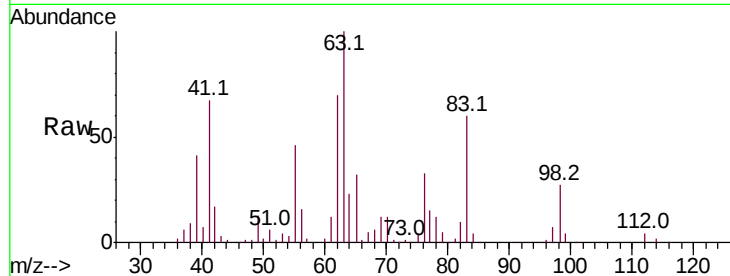
Acq: 21 Dec 2018 19:02

Tot Ion: 63 Resp: 84643

Ion Ratio Lower Upper

63 100

112 3.5 2.7 4.1



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

50000

40000

30000

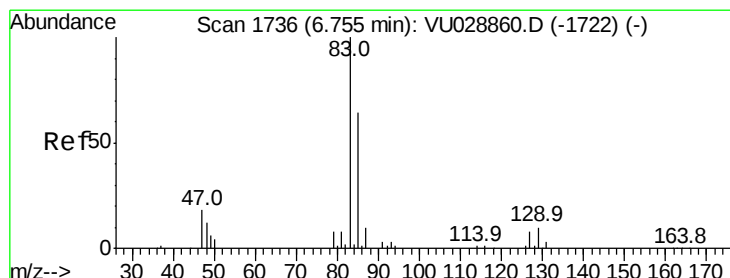
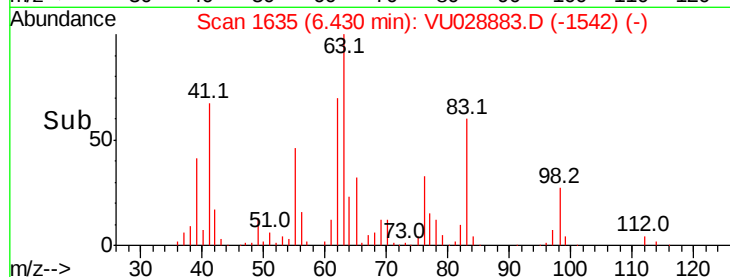
20000

10000

0

6.35 6.40 6.45 6.50 6.55

Time-->



#38

Bromodichloromethane

Concen: 51.942 ug/L

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

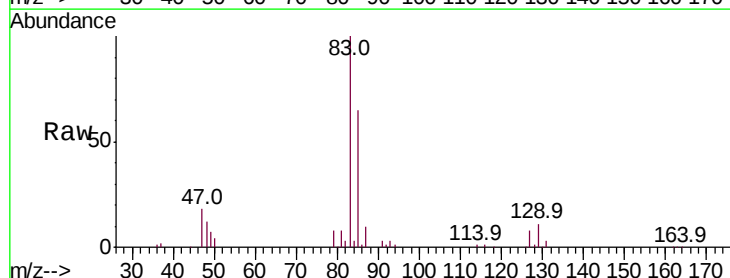
Tgt Ion: 83 Resp: 92255

Ion Ratio Lower Upper

83 100

85 64.7 45.4 84.2

127 7.9 6.2 9.2



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

60000

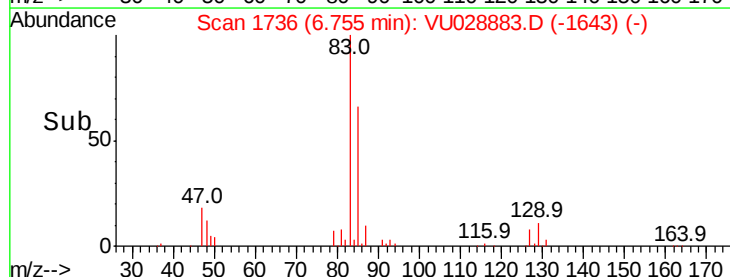
40000

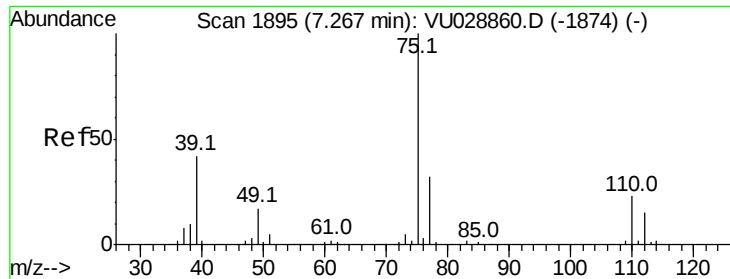
20000

0

6.70 6.75 6.80 6.85

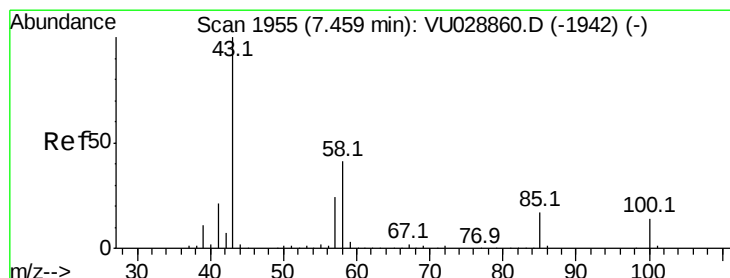
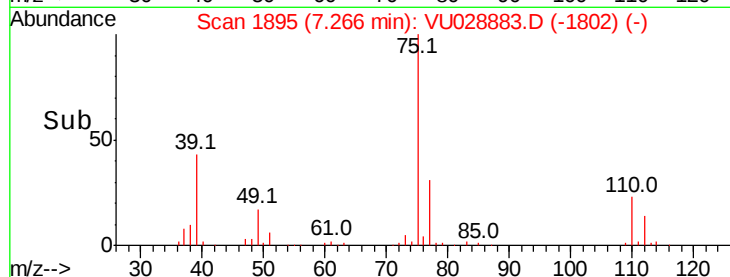
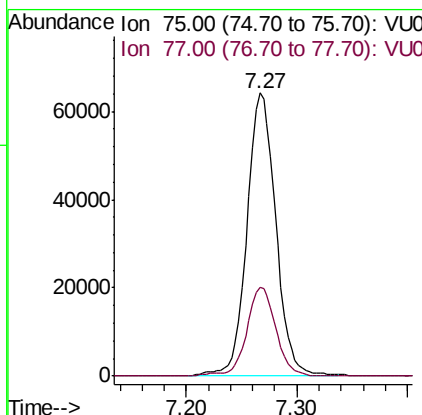
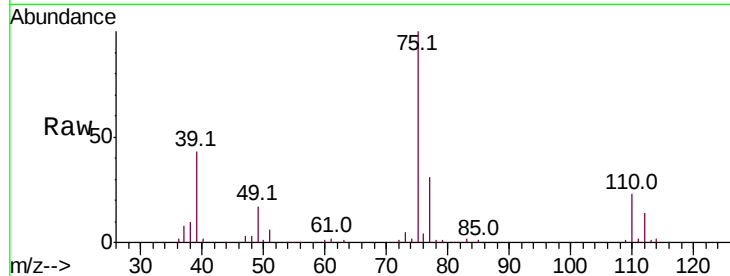
Time-->





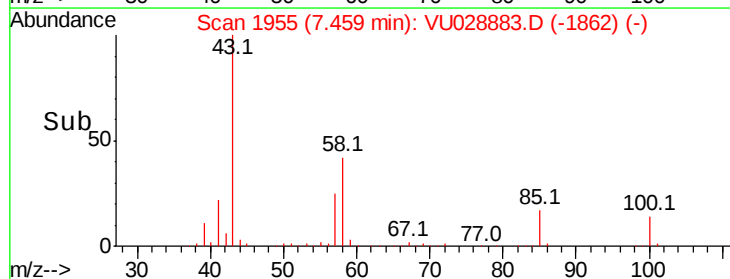
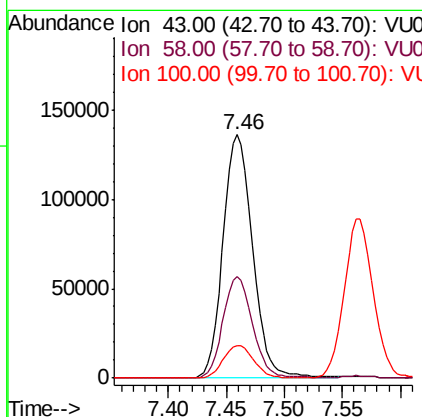
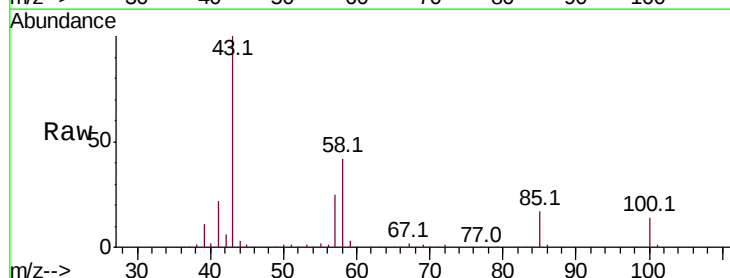
#39
 cis-1,3-Dichloropropene
 Concen: 50.932 ug/L
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU028883.D
 Acq: 21 Dec 2018 19:02

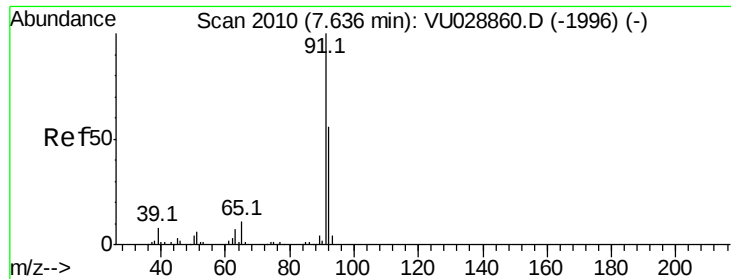
Tot Ion: 75 Resp: 116459
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 111.857 ug/L
 RT: 7.46 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VU028883.D
 Acq: 21 Dec 2018 19:02

Tgt Ion: 43 Resp: 241135
 Ion Ratio Lower Upper
 43 100
 58 41.7 33.1 49.7
 100 13.8 11.5 17.3





#42

Toluene

Concen: 53.447 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028883.D

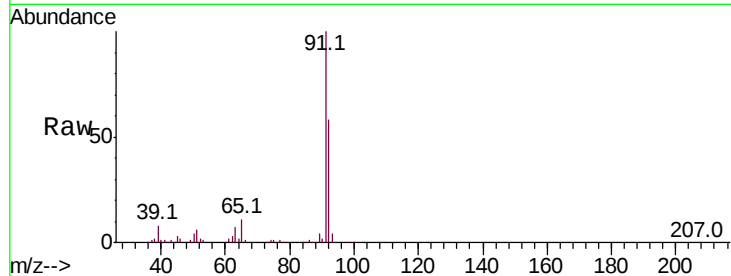
Acq: 21 Dec 2018 19:02

Tot Ion: 91 Resp: 310850

Ion Ratio Lower Upper

91 100

92 57.6 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

200000

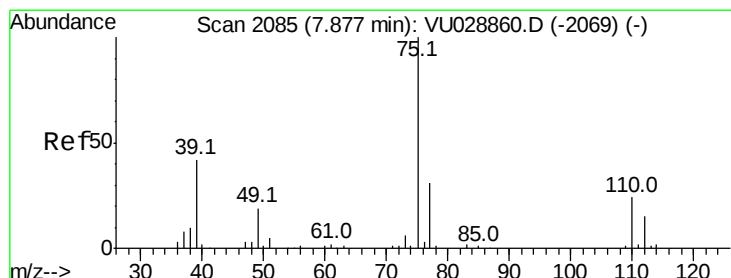
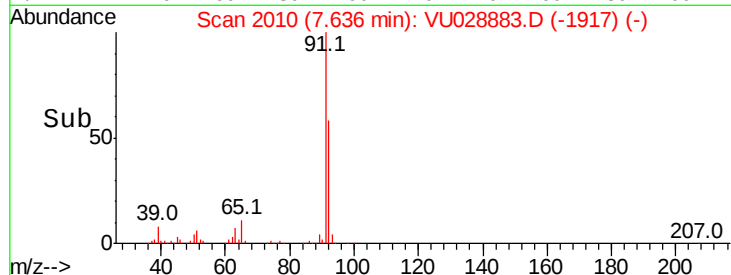
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.290 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028883.D

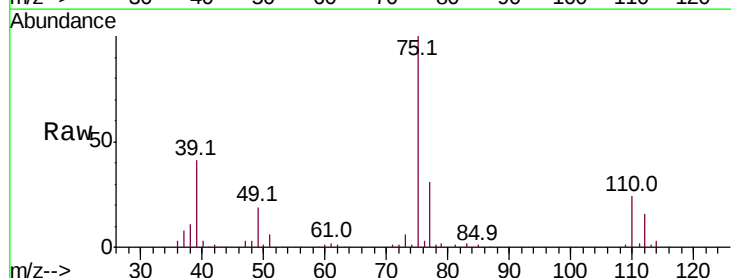
Acq: 21 Dec 2018 19:02

Tgt Ion: 75 Resp: 104540

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

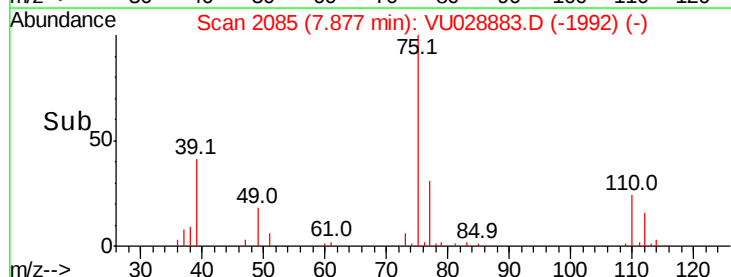
60000

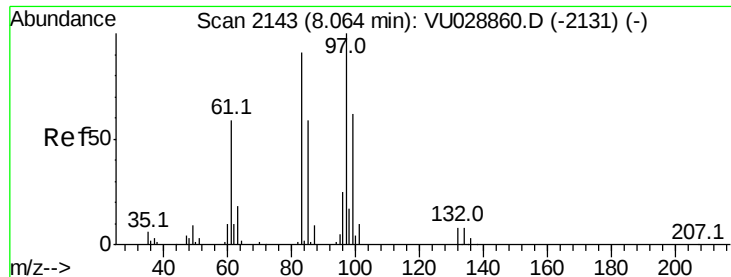
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 53.340 ug/L

RT: 8.07 min Scan# 2144

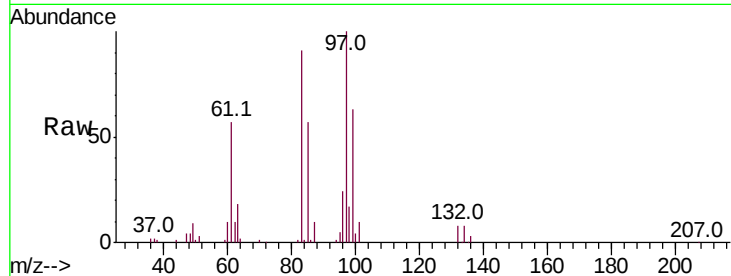
Delta R.T. 0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

Tot Ion: 97 Resp: 73145

Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.2	82.2
83	90.6	64.5	119.9
85	57.1	40.9	75.9



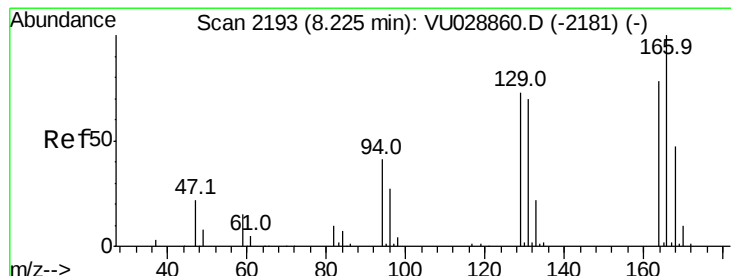
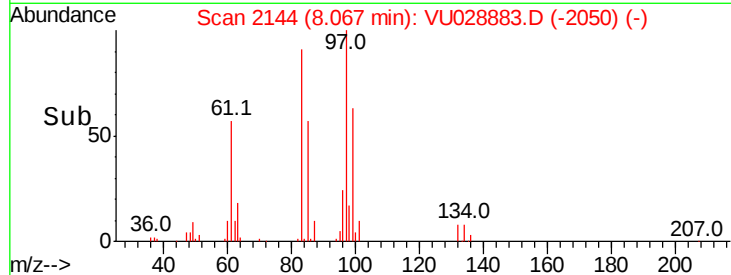
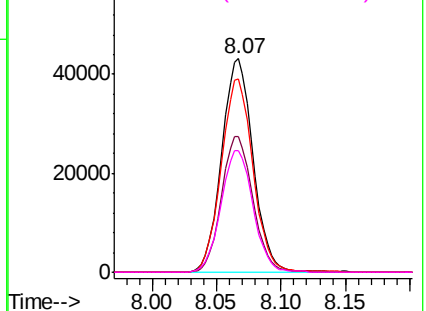
Abundance

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: 50.863 ug/L

RT: 8.22 min Scan# 2193

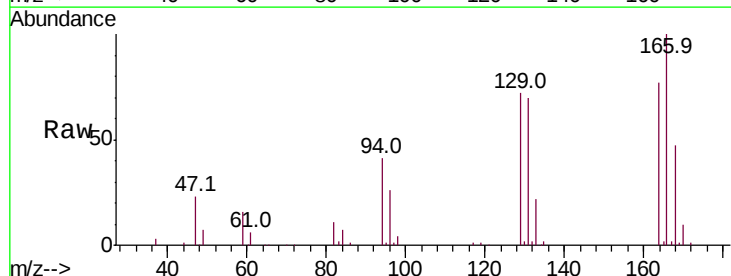
Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

Tgt Ion: 164 Resp: 54262

Ion	Ratio	Lower	Upper
164	100		
129	93.4	66.8	124.0
131	91.0	64.2	119.2
166	129.8	90.8	168.6



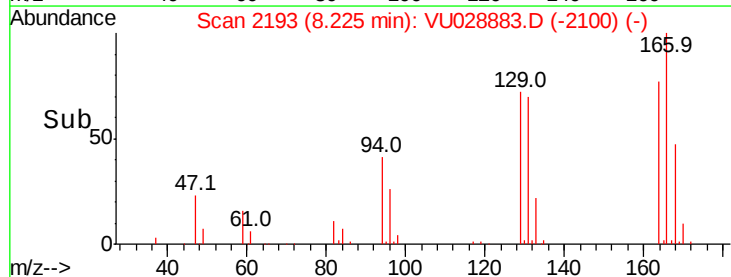
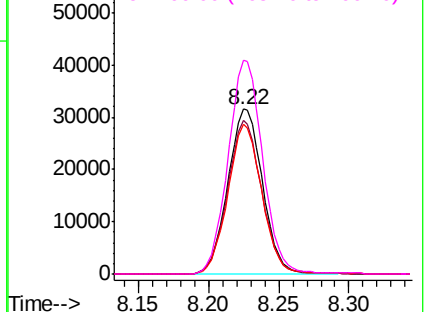
Abundance

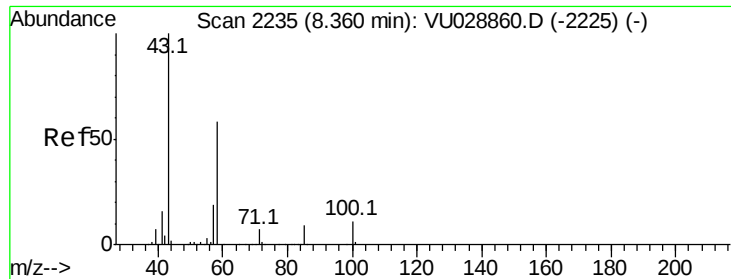
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

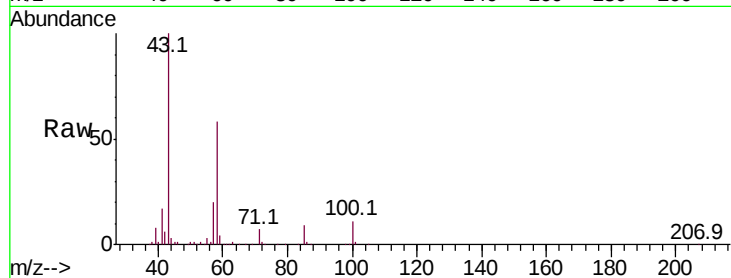




#48
2-Hexanone
Concen: 105.710 ug/L
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028883.D
Acq: 21 Dec 2018 19:02

Tot Ion: 43 Resp: 187037

Ion	Ratio	Lower	Upper
43	100		
58	58.3	45.9	68.9
57	19.0	15.0	22.4
100	10.9	8.7	13.1

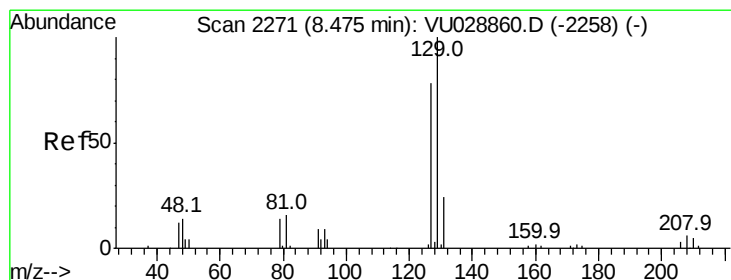
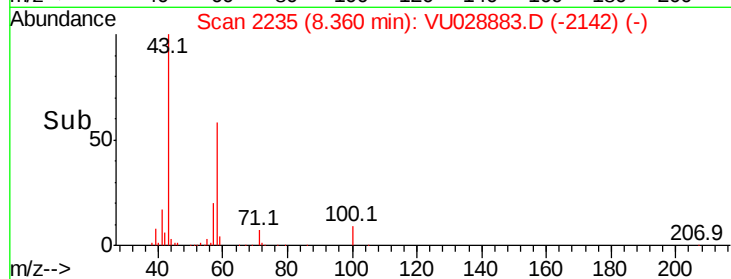
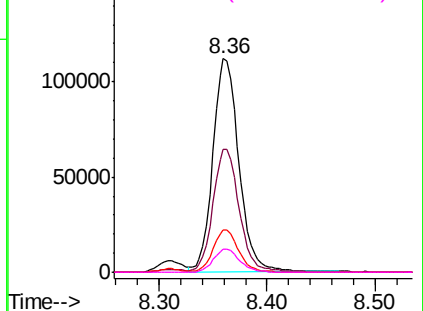


Abundance Ion 43.00 (42.70 to 43.70): VU028883.D (-2142) (-)

Ion 58.00 (57.70 to 58.70): VU028883.D (-2142) (-)

Ion 57.00 (56.70 to 57.70): VU028883.D (-2142) (-)

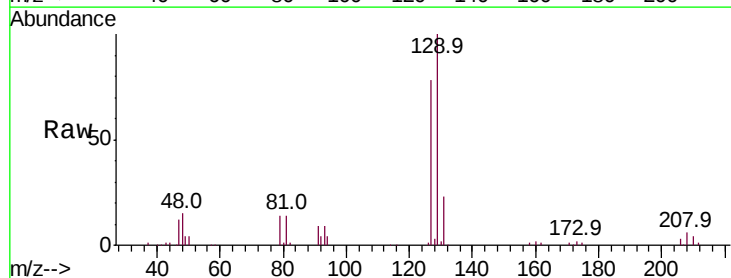
Ion 100.00 (99.70 to 100.70): VU028883.D (-2142) (-)



#49
Dibromochloromethane
Concen: 51.056 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028883.D
Acq: 21 Dec 2018 19:02

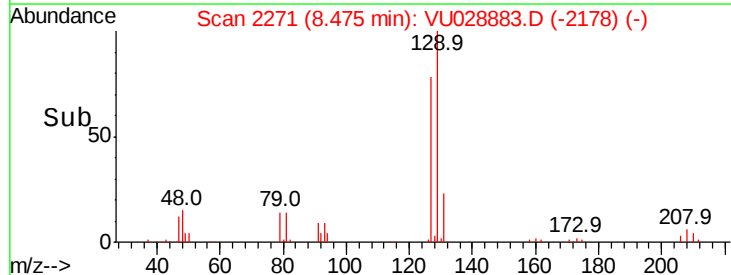
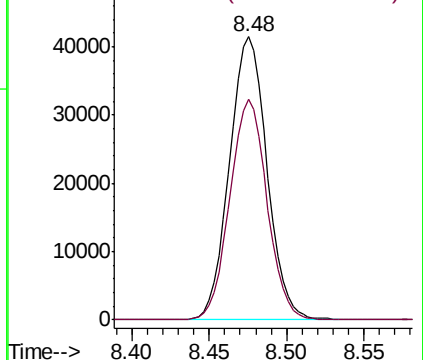
Tgt Ion: 129 Resp: 69738

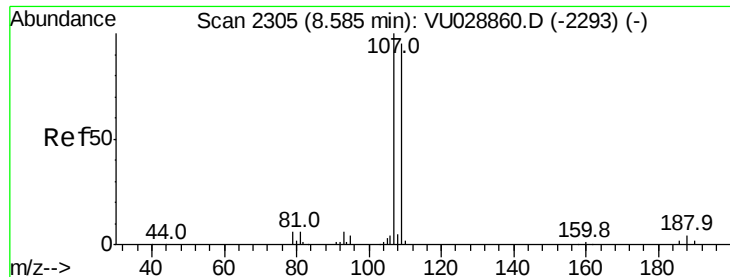
Ion	Ratio	Lower	Upper
129	100		
127	77.8	54.1	100.5



Abundance Ion 129.00 (128.70 to 129.70): VU028883.D (-2178) (-)

Ion 127.00 (126.70 to 127.70): VU028883.D (-2178) (-)





#50

1,2-Dibromoethane

Concen: 53.584 ug/L

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

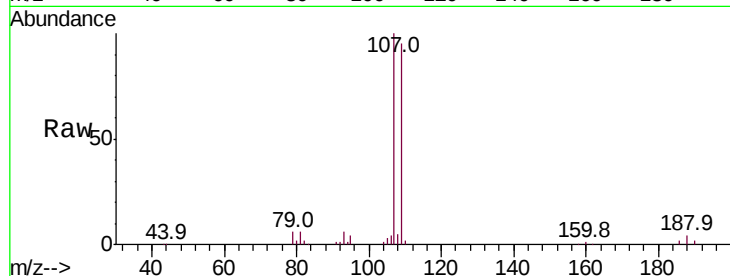
Tot Ion:107 Resp: 76451

Ion Ratio Lower Upper

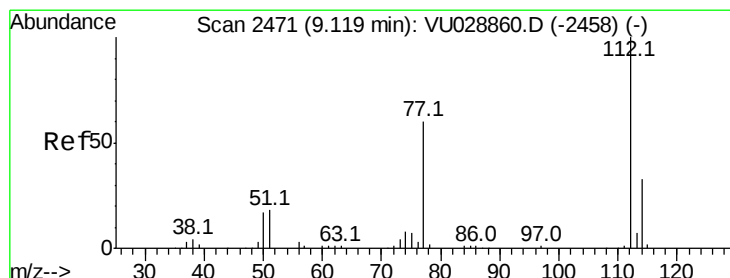
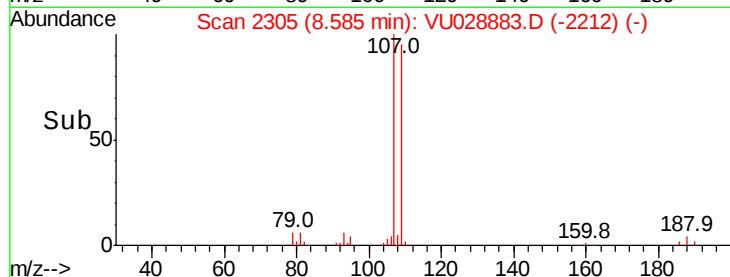
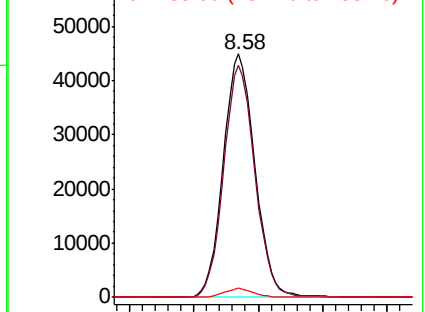
107 100

109 95.1 66.0 122.6

188 3.7 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: 51.761 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

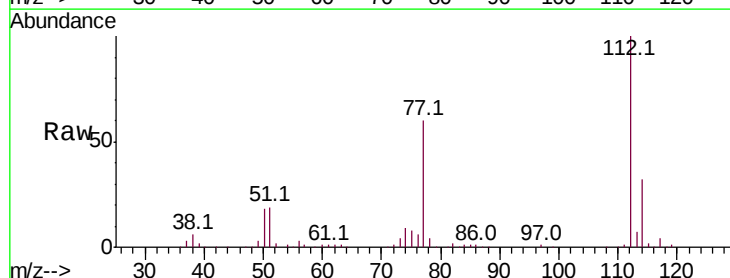
Tgt Ion:112 Resp: 189732

Ion Ratio Lower Upper

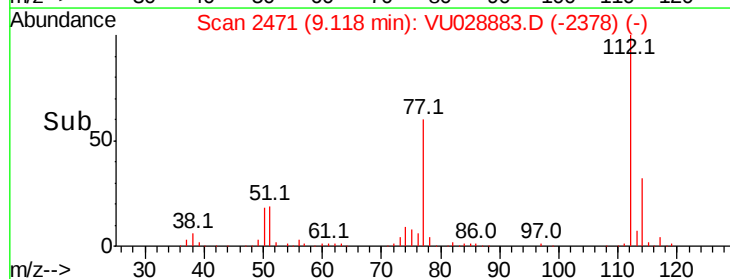
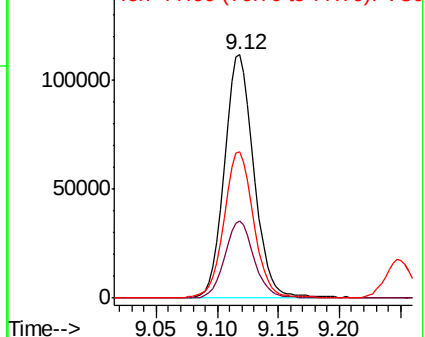
112 100

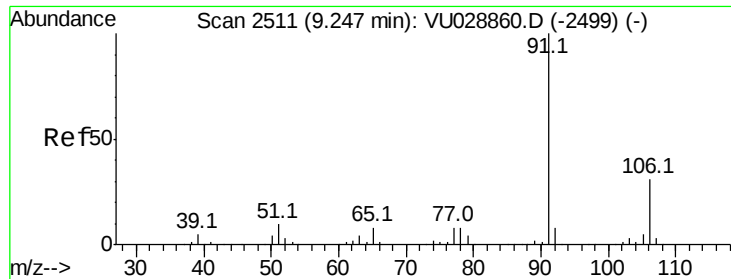
114 31.8 22.2 41.2

77 60.1 47.8 71.8



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: 52.360 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028883.D

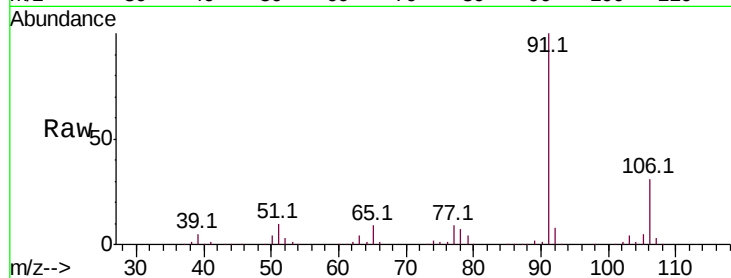
Acq: 21 Dec 2018 19:02

Tot Ion: 91 Resp: 327221

Ion Ratio Lower Upper

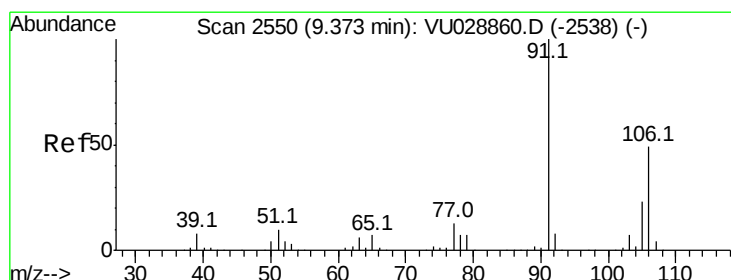
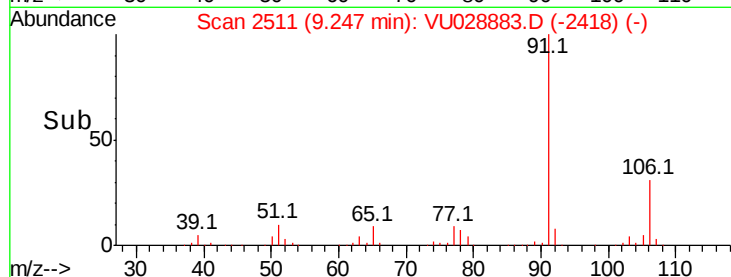
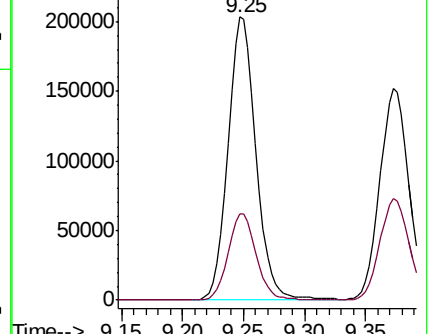
91 100

106 30.7 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 52.378 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028883.D

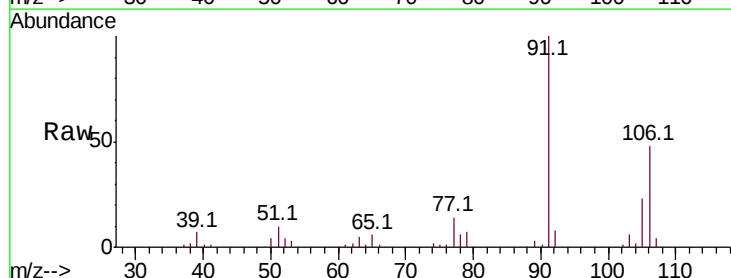
Acq: 21 Dec 2018 19:02

Tgt Ion: 106 Resp: 121045

Ion Ratio Lower Upper

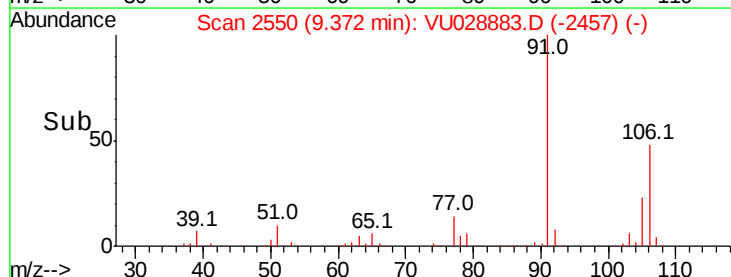
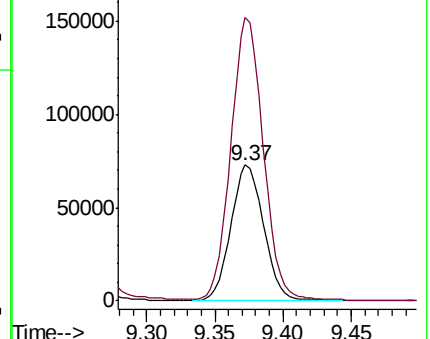
106 100

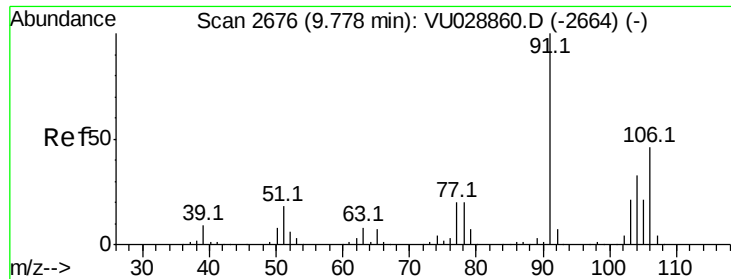
91 208.7 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

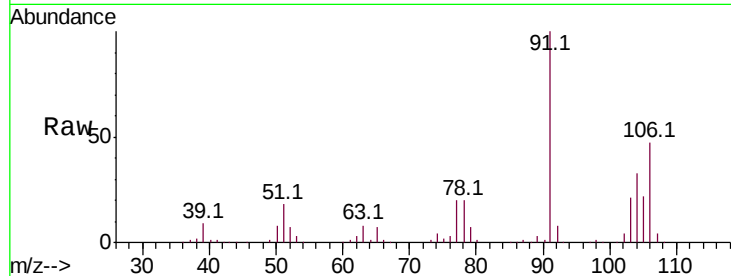
Ion 91.00 (90.70 to 91.70): VU0



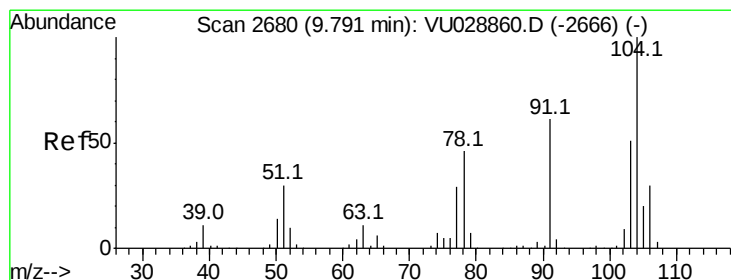
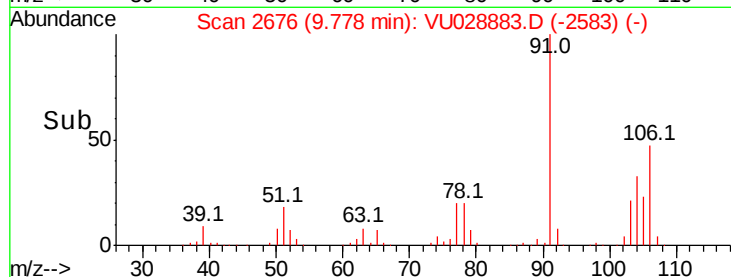
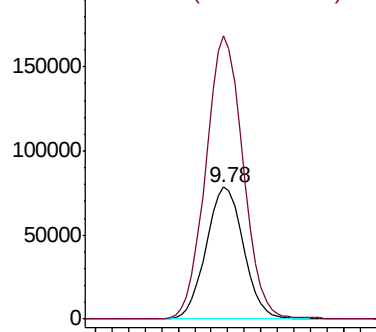


#54
o-xylene
Concen: 53.419 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028883.D
Acq: 21 Dec 2018 19:02

Tot Ion:106 Resp: 123728
Ion Ratio Lower Upper
106 100
91 214.6 150.4 279.4

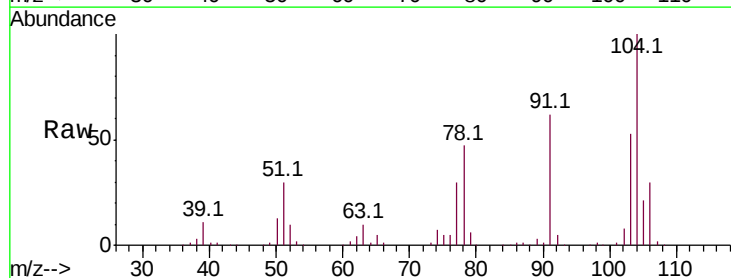


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

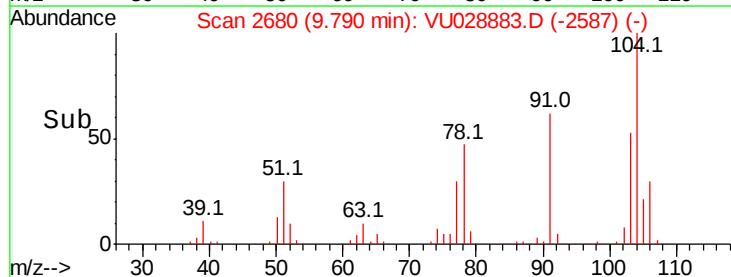
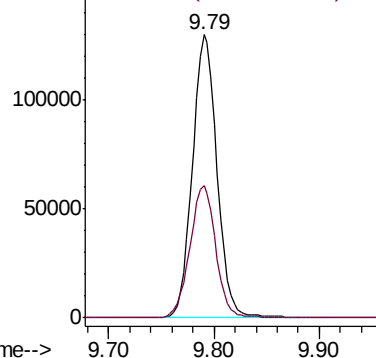


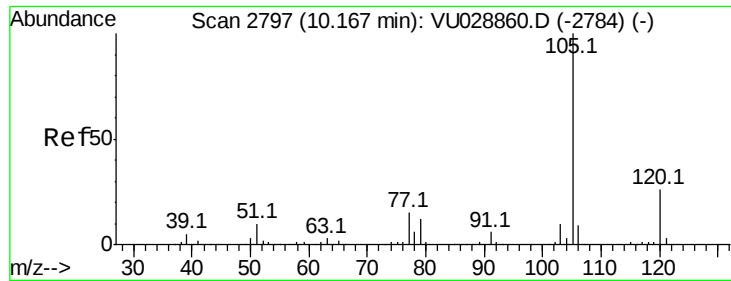
#55
Styrene
Concen: 53.403 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028883.D
Acq: 21 Dec 2018 19:02

Tgt Ion:104 Resp: 209488
Ion Ratio Lower Upper
104 100
78 46.8 31.3 58.1



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





#56

Isopropylbenzene

Concen: 52.752 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

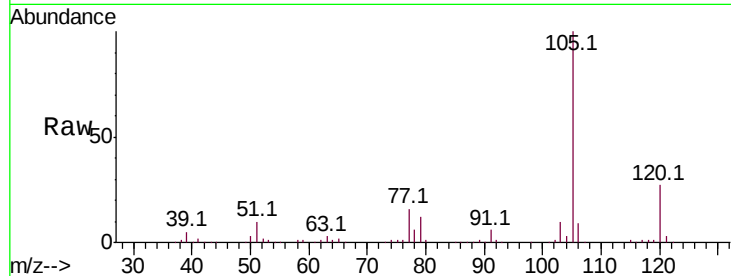
Tot Ion:105 Resp: 309953

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

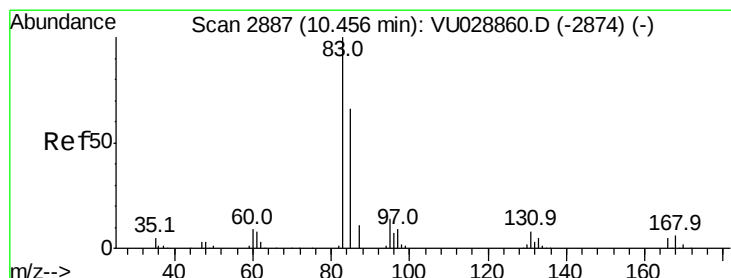
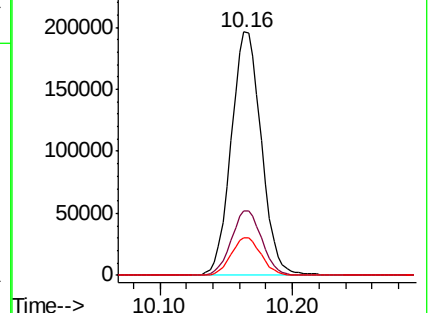
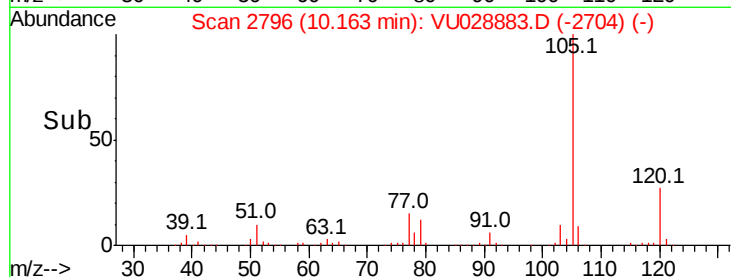
77 15.5 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 52.862 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

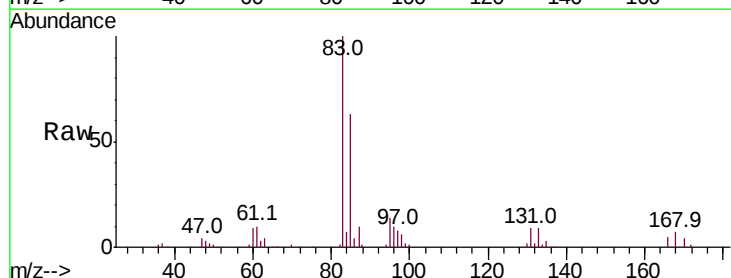
Tgt Ion: 83 Resp: 131691

Ion Ratio Lower Upper

83 100

85 62.9 45.3 84.1

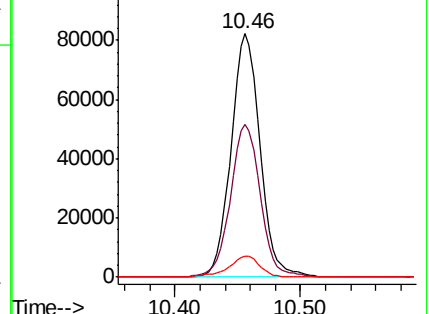
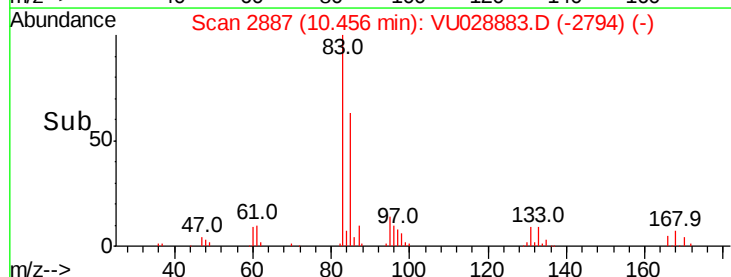
131 8.7 6.7 10.1

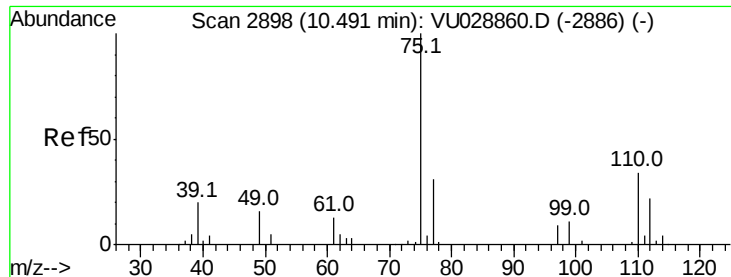


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.574 ug/L

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028883.D

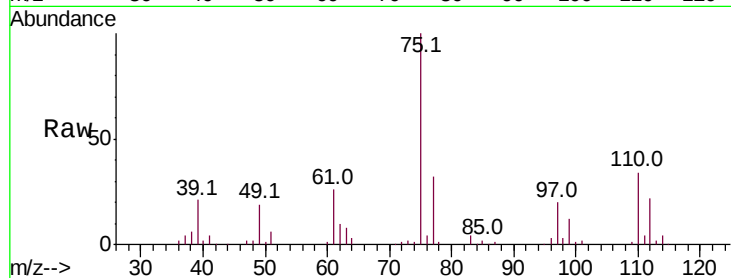
Acq: 21 Dec 2018 19:02

Tot Ion: 75 Resp: 100624

Ion Ratio Lower Upper

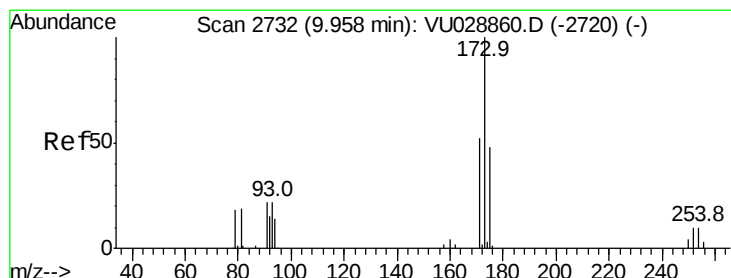
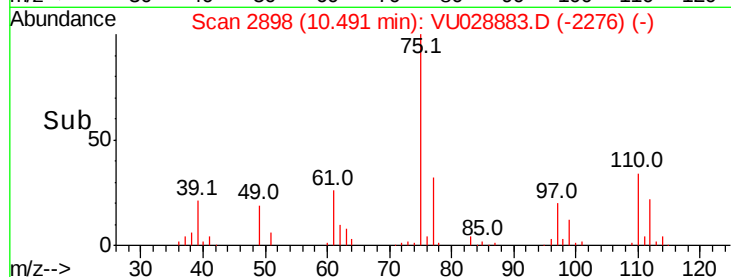
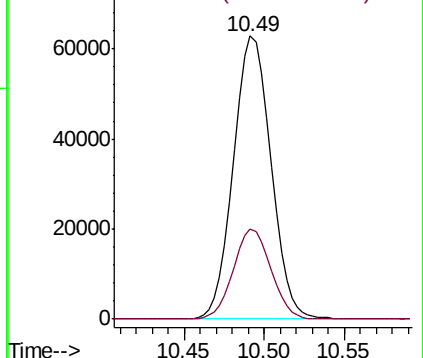
75 100

77 31.8 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#61

Bromoform

Concen: 50.219 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

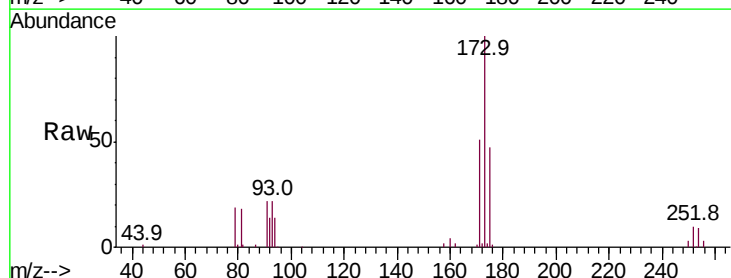
Tgt Ion: 173 Resp: 52256

Ion Ratio Lower Upper

173 100

175 48.0 38.9 58.3

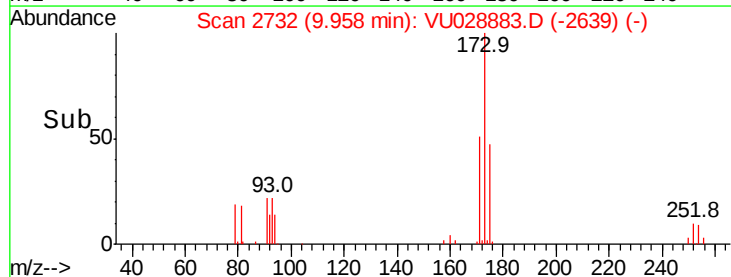
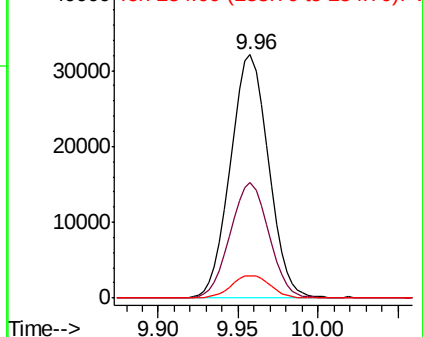
254 9.4 7.8 11.8

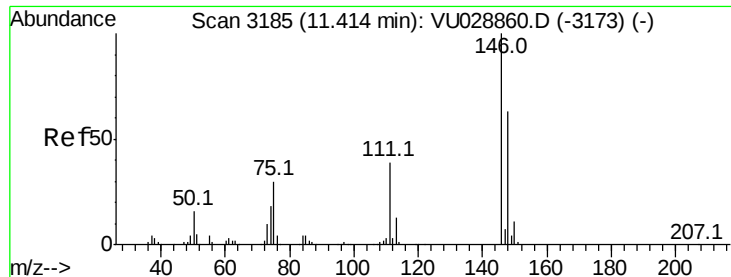


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#62

1,3-Dichlorobenzene

Concen: 51.311 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

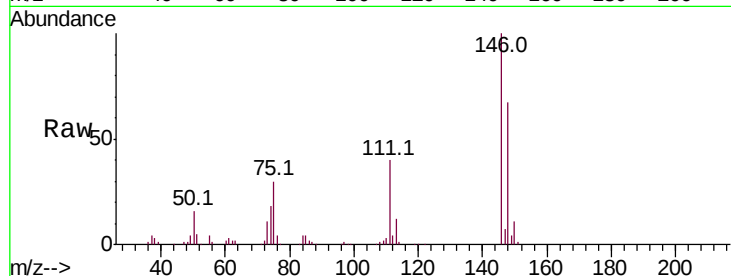
Tot Ion:146 Resp: 136822

Ion Ratio Lower Upper

146 100

111 40.3 27.4 50.8

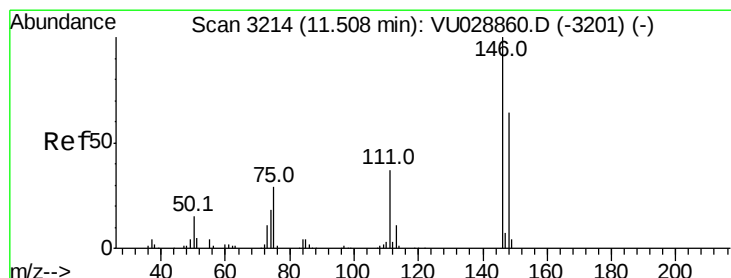
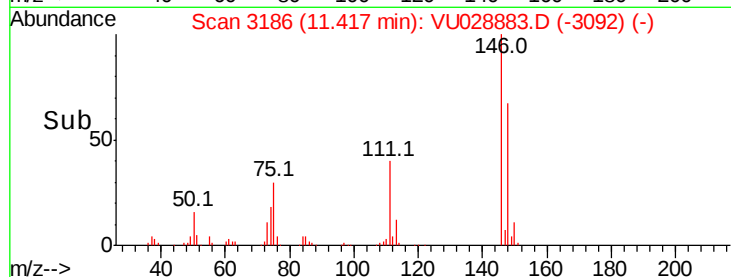
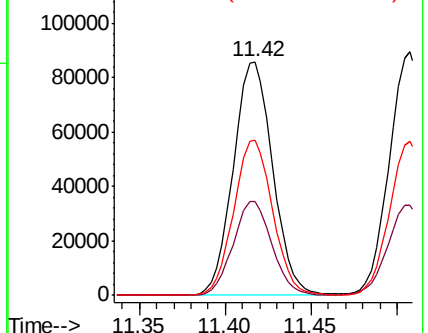
148 66.6 44.2 82.2



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: 50.566 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

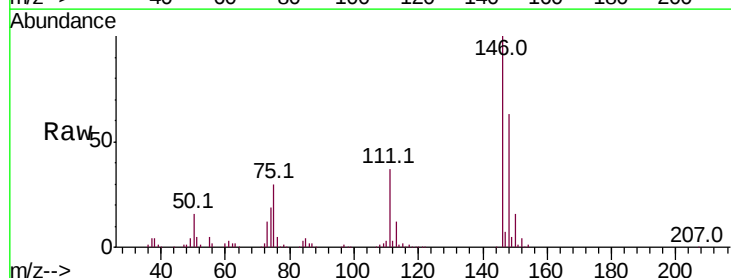
Tgt Ion:146 Resp: 138918

Ion Ratio Lower Upper

146 100

111 37.1 26.5 49.1

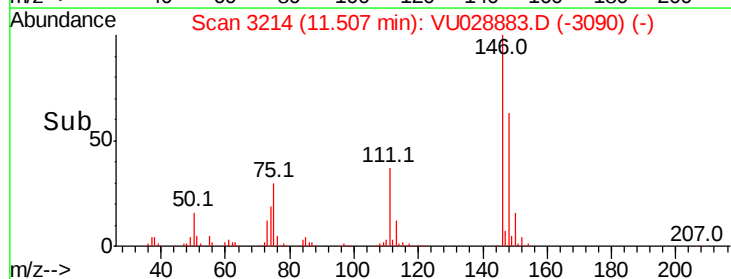
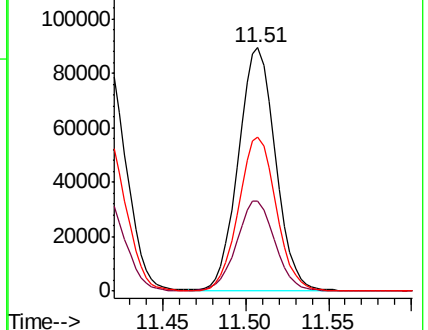
148 63.4 45.1 83.9

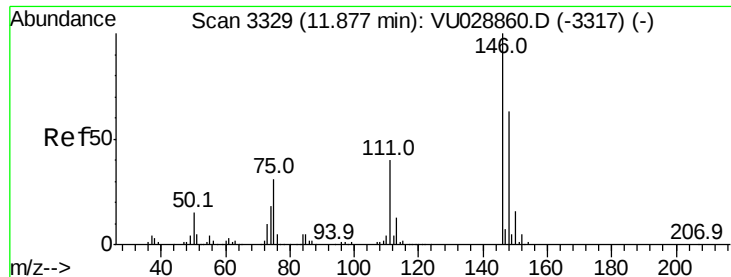


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

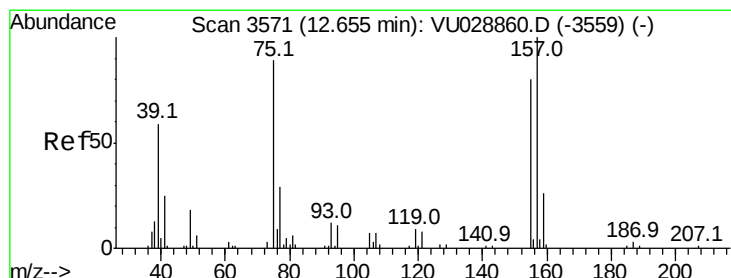
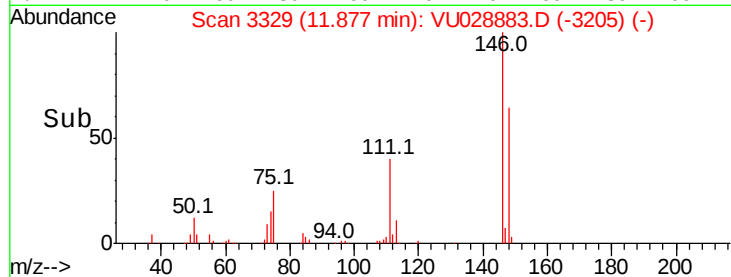
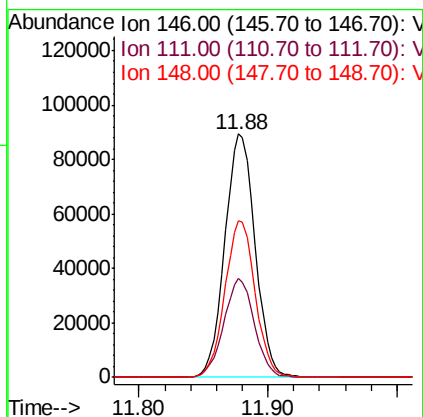
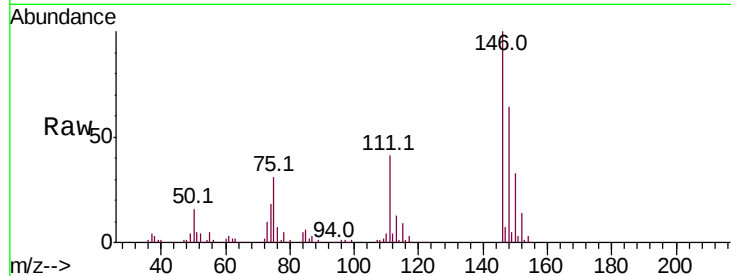
Ion 148.00 (147.70 to 148.70): V





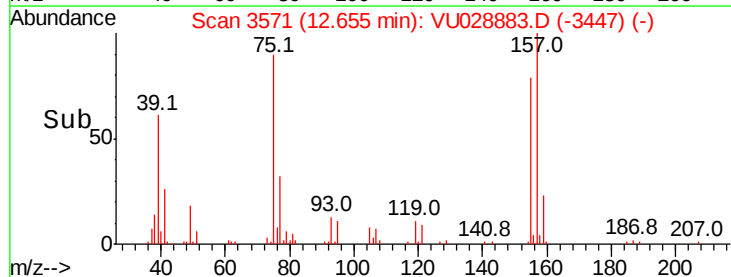
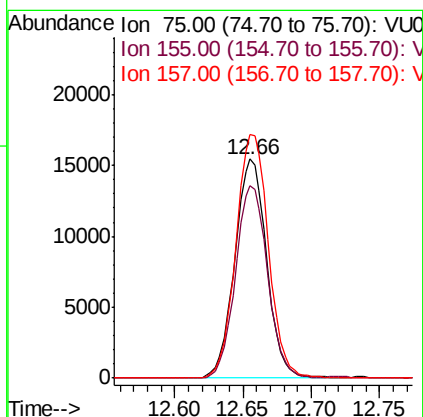
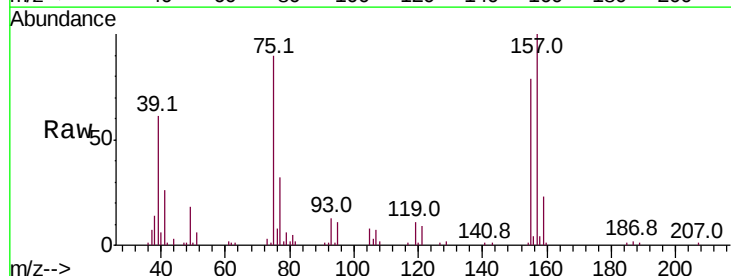
#65
 1,2-Dichlorobenzene
 Concen: 52.404 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028883.D
 Acq: 21 Dec 2018 19:02

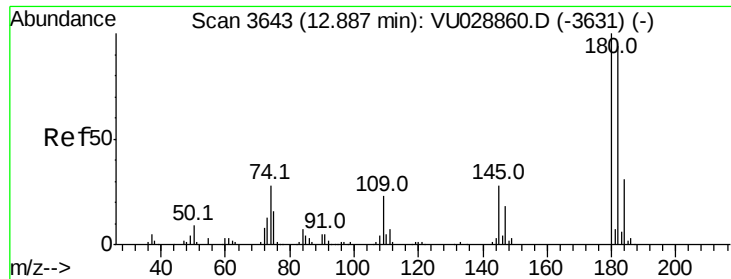
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	32.1	48.1
148	64.4	49.7	74.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.117 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028883.D
 Acq: 21 Dec 2018 19:02

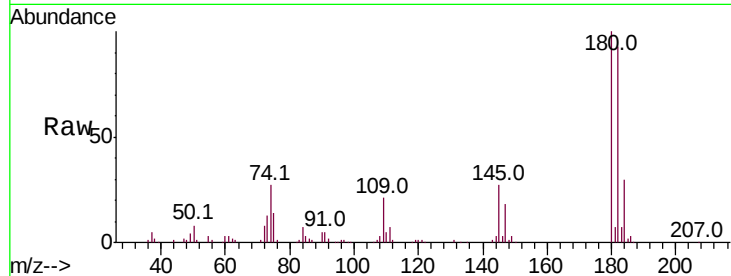
Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	71.4	107.2
157	111.2	89.6	134.4



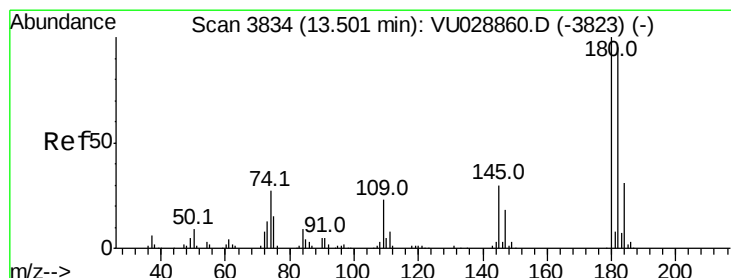
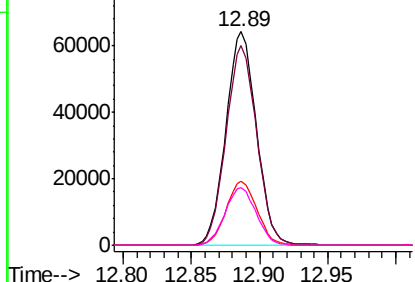
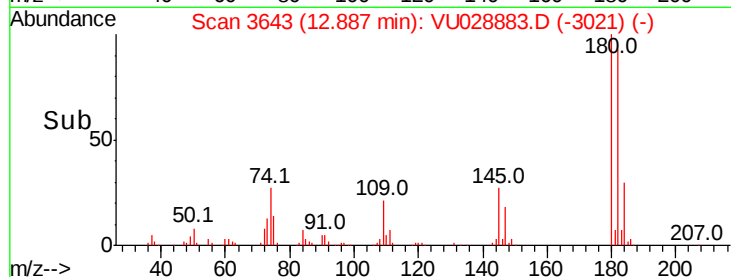


#67
 1,3,5-Trichlorobenzene
 Concen: 50.911 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU028883.D
 Acq: 21 Dec 2018 19:02

Tot Ion:	180	Resp:	100093
Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.4	114.6
184	30.0	24.6	36.8
145	27.4	22.1	33.1

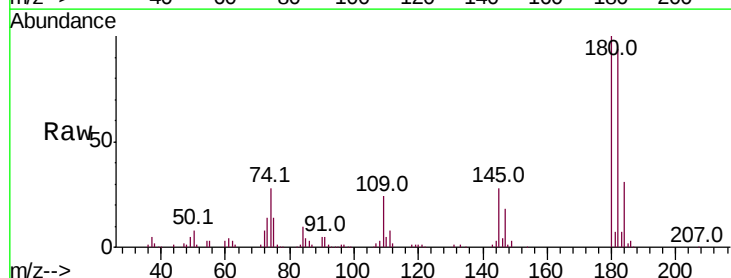


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

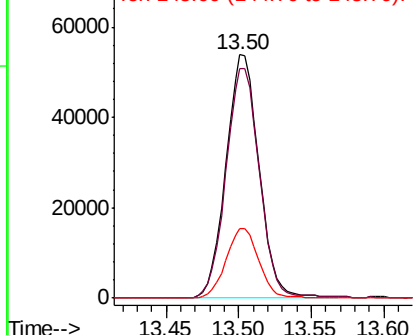
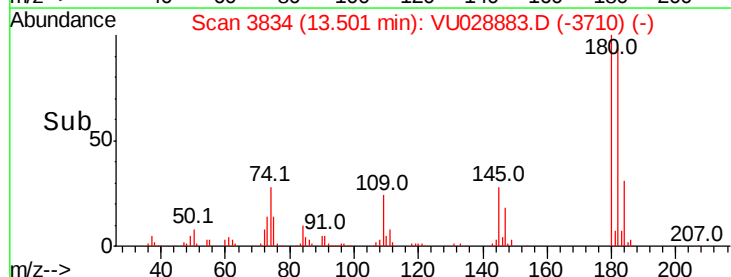


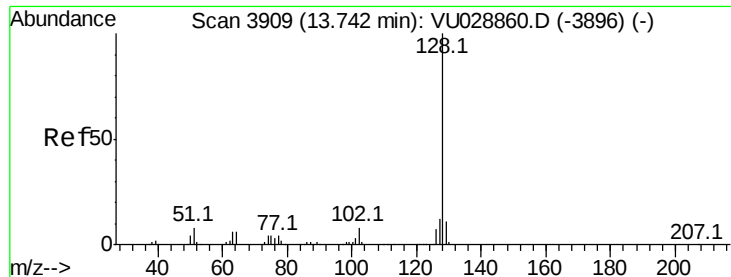
#68
 1,2,4-trichlorobenzene
 Concen: 51.762 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028883.D
 Acq: 21 Dec 2018 19:02

Tgt Ion:	180	Resp:	85219
Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.4	116.0
145	28.1	23.5	35.3



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: 54.006 ug/L

RT: 13.74 min Scan# 3909

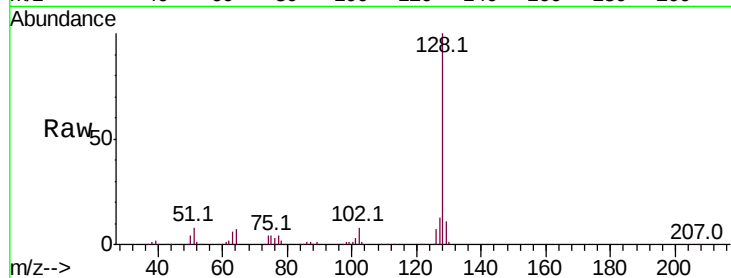
Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

Tot Ion:128 Resp: 308699

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.5	15.7
129	10.7	8.7	13.1

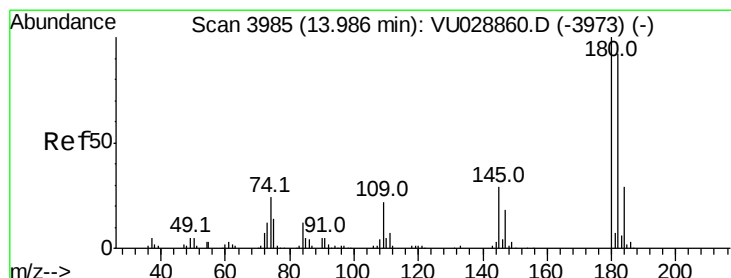
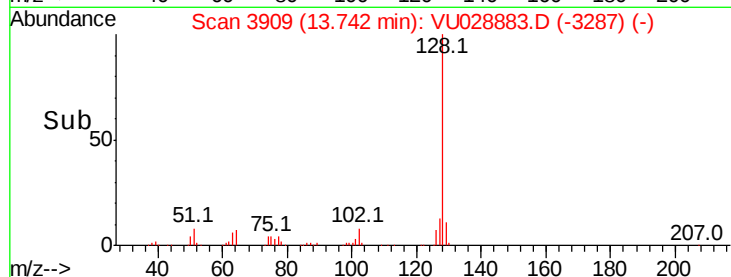
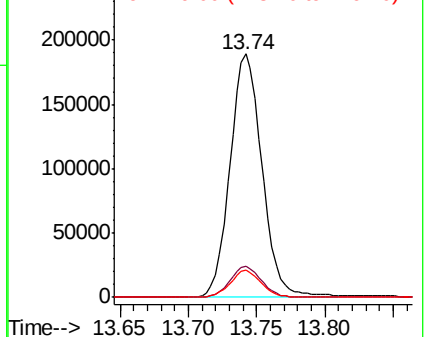


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.929 ug/L

RT: 13.99 min Scan# 3985

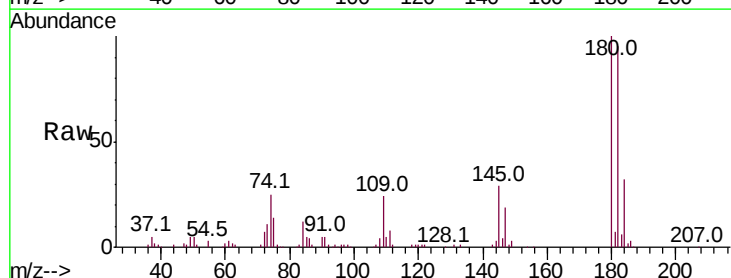
Delta R.T. -0.00 min

Lab File: VU028883.D

Acq: 21 Dec 2018 19:02

Tgt Ion:180 Resp: 92189

Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.8
145	29.6	24.5	36.7



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

