

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042820\
 Data File : VU037884.D
 Acq On : 28 Apr 2020 15:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 04:03:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 27 13:45:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	647384	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	641262	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	304174	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	224640	39.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.42%
7) Chloroethane-d5	1.93	69	198673	45.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.64%
11) 1,1-Dichloroethene-d2	2.59	63	406780	44.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.86%
21) 2-Butanone-d5	4.66	46	409552	91.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.38%
24) Chloroform-d	5.10	84	426434	49.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.98%
26) 1,2-Dichloroethane-d4	5.74	65	286217	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
32) Benzene-d6	5.76	84	858866	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
36) 1,2-Dichloropropane-d6	6.72	67	287722	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.88%
41) Toluene-d8	7.92	98	794203	47.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.30%
43) trans-1,3-Dichloropropene-	8.20	79	136307	43.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.32%
47) 2-Hexanone-d5	8.65	63	345861	104.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.75%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	417987	49.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.06%
64) 1,2-Dichlorobenzene-d4	12.21	152	295883	49.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.98%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	210804	39.469	ug/L 100
3) Chloromethane	1.53	50	304482	52.306	ug/L 99
5) Vinyl chloride	1.62	62	308422	48.020	ug/L 99
6) Bromomethane	1.87	94	157775	59.367	ug/L 97
8) Chloroethane	1.95	64	190068	52.670	ug/L 98
9) Trichlorofluoromethane	2.16	101	305918	44.798	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	175435	44.084	ug/L 97
12) 1,1-Dichloroethene	2.60	96	203102	51.675	ug/L 86
13) Acetone	2.65	43	277858	103.910	ug/L 100
14) Carbon disulfide	2.82	76	647642	46.075	ug/L 99
15) Methyl Acetate	2.98	43	313074	48.440	ug/L 96
16) Methylene chloride	3.08	84	254715	54.540	ug/L 95
17) trans-1,2-Dichloroethene	3.38	96	221939	50.503	ug/L 95
18) Methyl tert-butyl Ether	3.40	73	805839	53.234	ug/L 99
19) 1,1-Dichloroethane	3.91	63	457130	51.604	ug/L 100
20) cis-1,2-Dichloroethene	4.71	96	260150	54.067	ug/L 94
22) 2-Butanone	4.74	43	454124	96.986	ug/L 96

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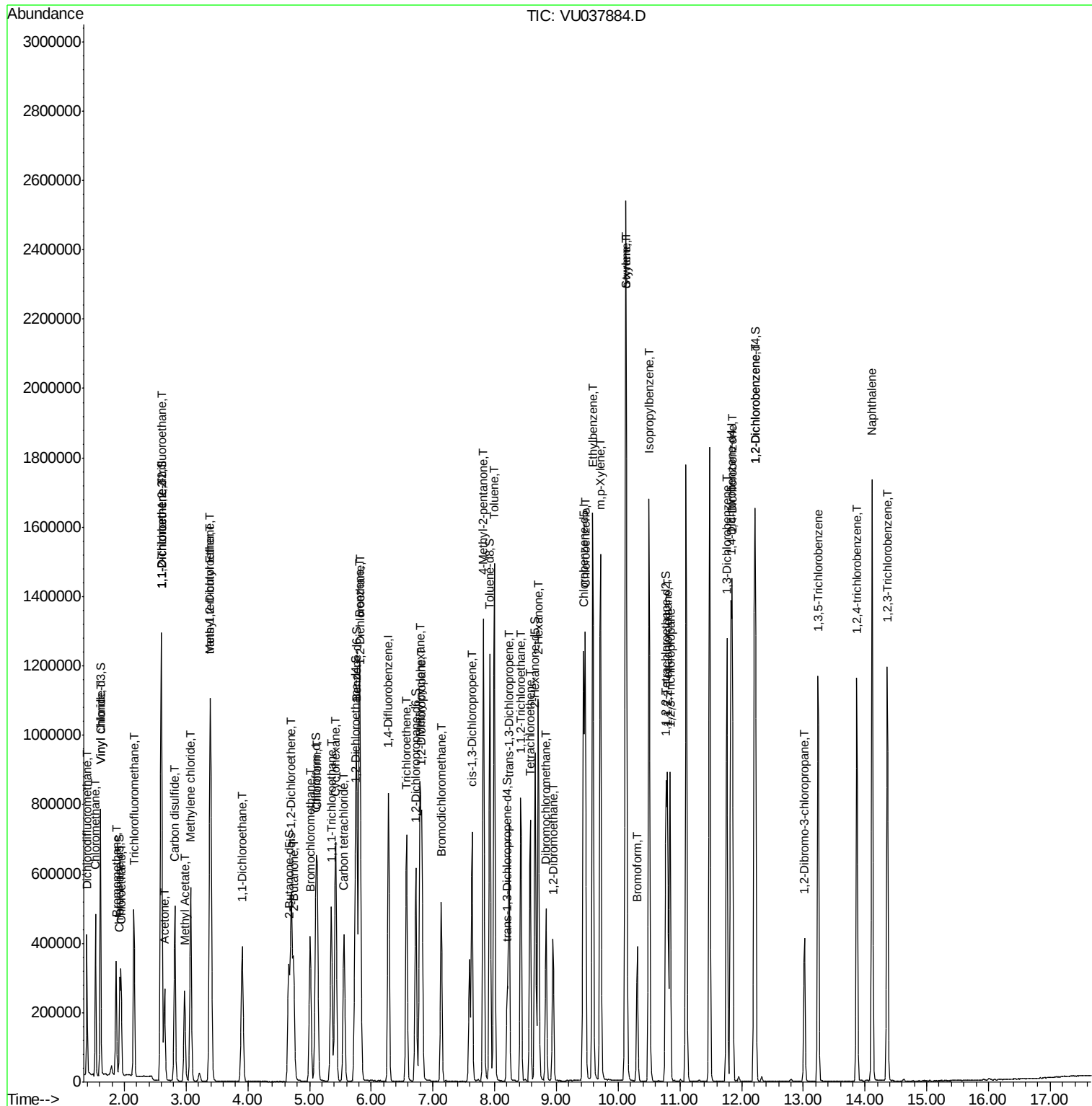
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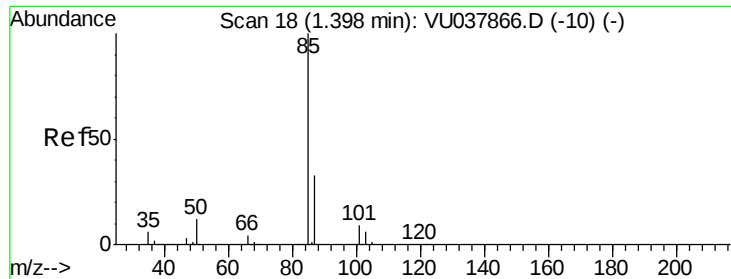
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	121018	52.050	uq/L	97
25) Chloroform	5.13	83	432230	52.146	uq/L	99
27) 1,2-Dichloroethane	5.83	62	366532	51.631	uq/L	99
29) Cyclohexane	5.42	56	367978	41.018	uq/L	96
30) 1,1,1-Trichloroethane	5.35	97	357079	49.861	uq/L	99
31) Carbon tetrachloride	5.56	117	277999	48.019	uq/L	99
33) Benzene	5.81	78	991461	50.940	uq/L	100
34) Trichloroethene	6.57	95	238292	49.912	uq/L	98
35) Methylcyclohexane	6.79	83	339712	40.636	uq/L	96
37) 1,2-Dichloropropane	6.82	63	272571	51.274	uq/L	99
38) Bromodichloromethane	7.13	83	331282	51.580	uq/L	97
39) cis-1,3-Dichloropropene	7.63	75	405449	47.637	uq/L	98
40) 4-Methyl-2-pentanone	7.82	43	883002	95.512	uq/L	96
42) Toluene	7.99	91	1053872	51.644	uq/L	99
44) trans-1,3-Dichloropropene	8.23	75	392609	47.788	uq/L	98
45) 1,1,2-Trichloroethane	8.42	97	249069	53.709	uq/L	99
46) Tetrachloroethene	8.57	164	162644	46.609	uq/L	99
48) 2-Hexanone	8.71	43	690652	94.485	uq/L	96
49) Dibromochloromethane	8.83	129	243672	50.321	uq/L	99
50) 1,2-Dibromoethane	8.95	107	263664	52.487	uq/L	99
51) Chlorobenzene	9.47	112	651906	51.359	uq/L	99
52) Ethylbenzene	9.59	91	1175259	51.428	uq/L	99
53) m,p-Xylene	9.71	106	446313	51.872	uq/L	99
54) o-xylene	10.12	106	446450	53.055	uq/L	97
55) Styrene	10.13	104	767171	53.013	uq/L	99
56) Isopropylbenzene	10.50	105	1138993	51.144	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	439591	53.299	uq/L	98
59) 1,2,3-Trichloropropane	10.84	75	368949	51.666	uq/L	100
61) Bromoform	10.31	173	167507	48.933	uq/L	99
62) 1,3-Dichlorobenzene	11.76	146	499468	52.445	uq/L	99
63) 1,4-Dichlorobenzene	11.85	146	503314	52.361	uq/L	98
65) 1,2-Dichlorobenzene	12.23	146	495023	53.490	uq/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	106413	51.594	uq/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	341862	49.394	uq/L	99
68) 1,2,4-trichlorobenzene	13.87	180	331502	49.248	uq/L	99
69) Naphthalene	14.11	128	1323849	54.845	uq/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	341294	51.346	uq/L	99

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

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#2

Dichlorodifluoromethane

Concen: 39.469 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037884.D

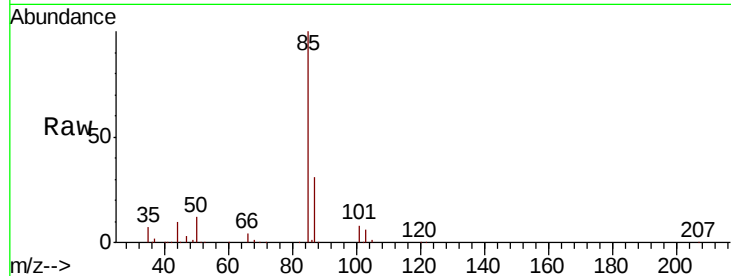
Acq: 28 Apr 2020 15:14

Tot Ion: 85 Resp: 210804

Ion Ratio Lower Upper

85 100

87 32.0 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU037866.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU037866.D (-10) (-)

1.39

250000

200000

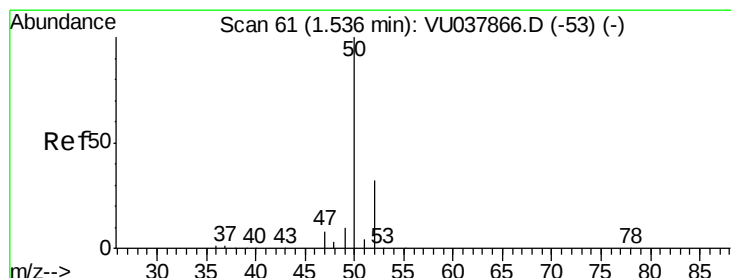
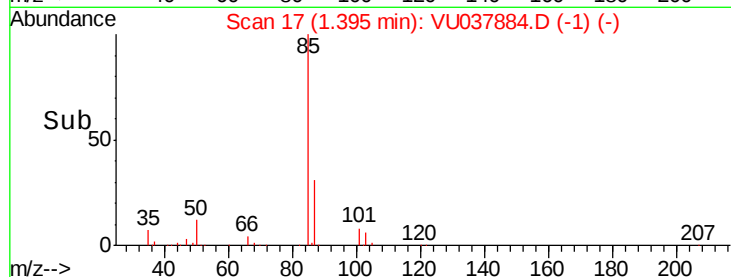
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 52.306 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037884.D

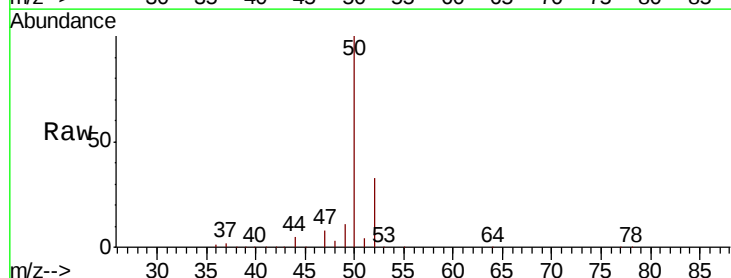
Acq: 28 Apr 2020 15:14

Tgt Ion: 50 Resp: 304482

Ion Ratio Lower Upper

50 100

52 32.6 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU037866.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU037866.D (-53) (-)

1.53

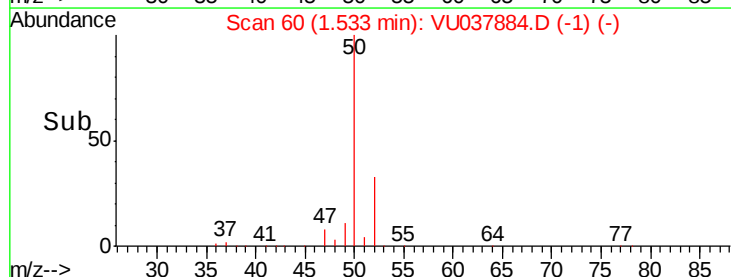
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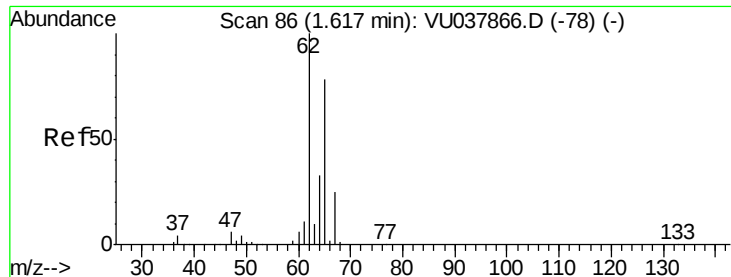
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 48.020 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037884.D

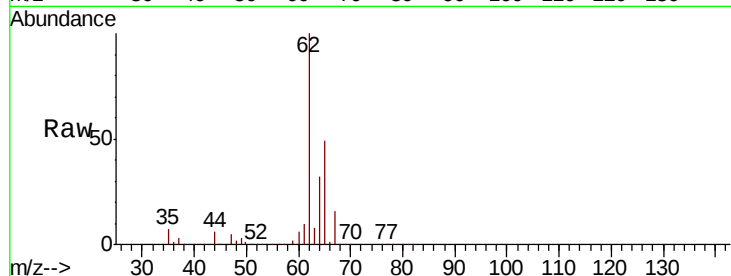
Acq: 28 Apr 2020 15:14

Tot Ion: 62 Resp: 308422

Ion Ratio Lower Upper

62 100

64 32.3 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU037866.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037866.D (-78) (-)

1.62

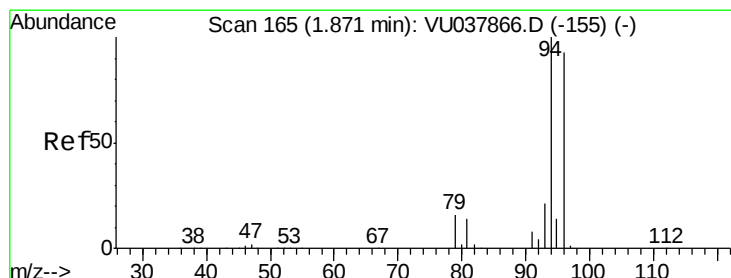
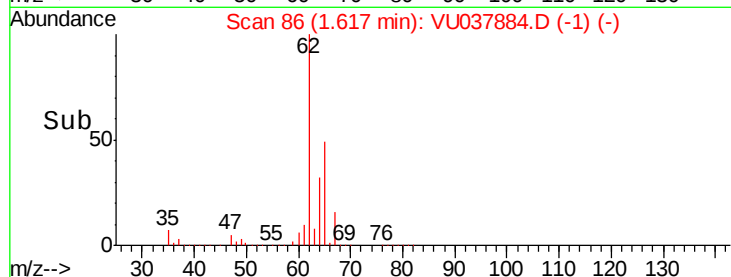
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 59.367 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU037884.D

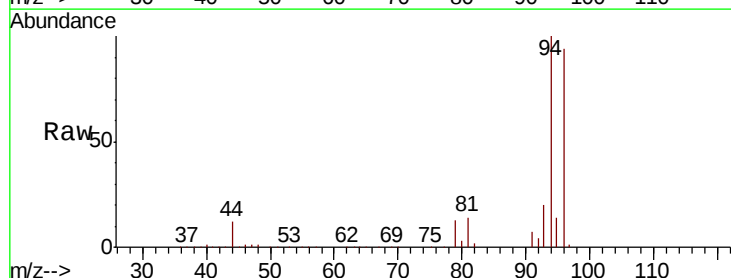
Acq: 28 Apr 2020 15:14

Tgt Ion: 94 Resp: 157775

Ion Ratio Lower Upper

94 100

96 93.9 63.9 118.7



Abundance Ion 94.00 (93.70 to 94.70): VU037866.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU037866.D (-155) (-)

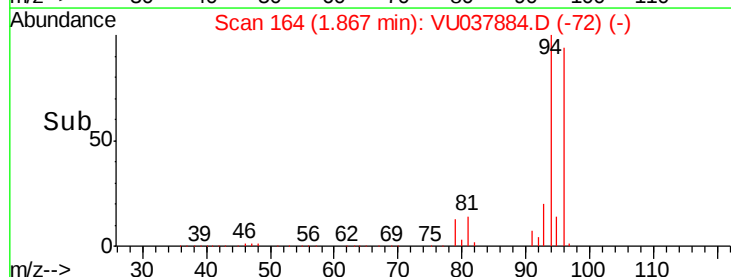
1.87

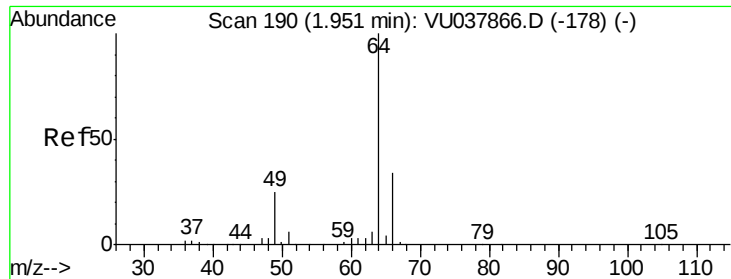
100000

50000

0

Time-->





#8

Chloroethane

Concen: 52.670 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU037884.D

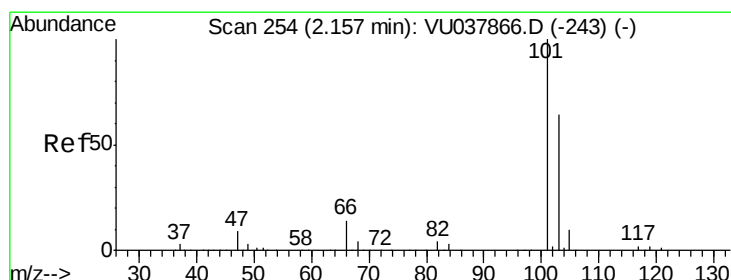
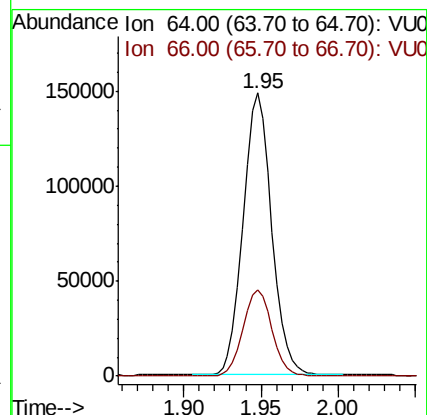
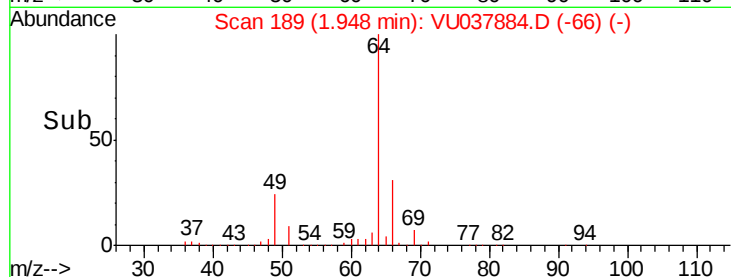
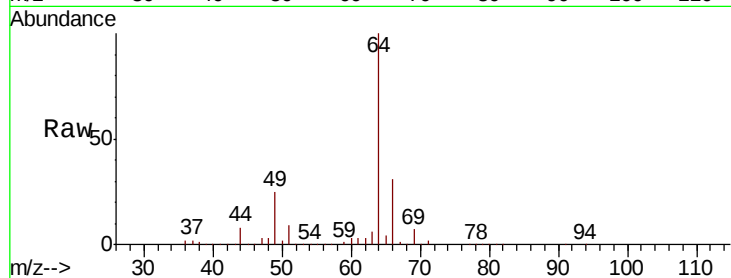
Acq: 28 Apr 2020 15:14

Tot Ion: 64 Resp: 190068

Ion Ratio Lower Upper

64 100

66 30.6 22.3 41.3



#9

Trichlorofluoromethane

Concen: 44.798 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037884.D

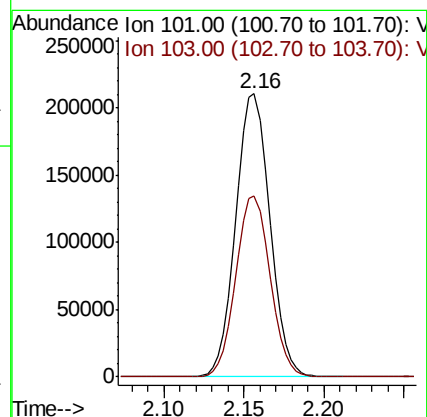
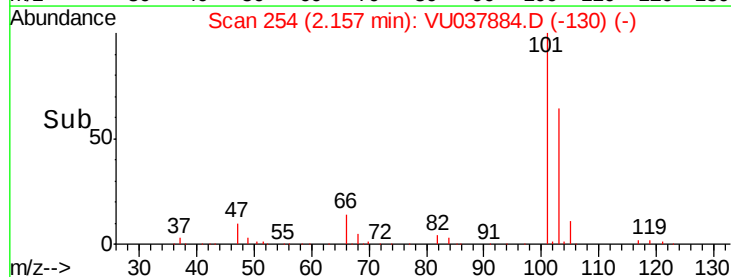
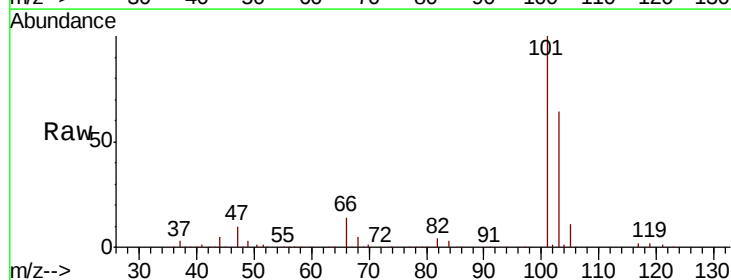
Acq: 28 Apr 2020 15:14

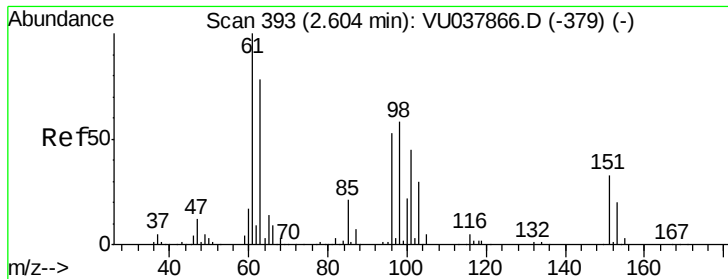
Tgt Ion:101 Resp: 305918

Ion Ratio Lower Upper

101 100

103 64.1 52.2 78.4





#10

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

Concen: 44.084 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

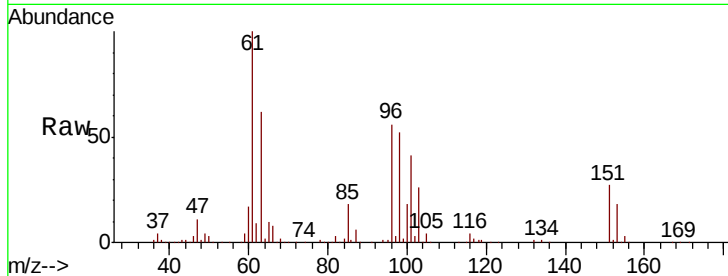
Tot Ion: 101 Resp: 175435

Ion Ratio Lower Upper

101 100

85 44.1 36.2 54.4

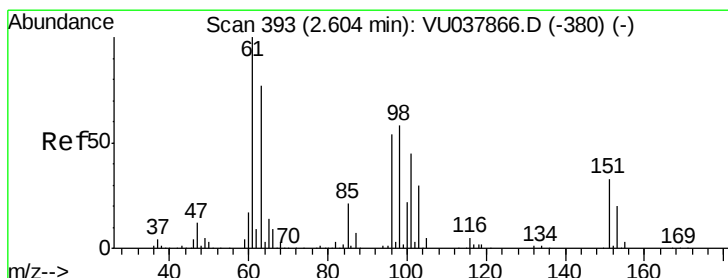
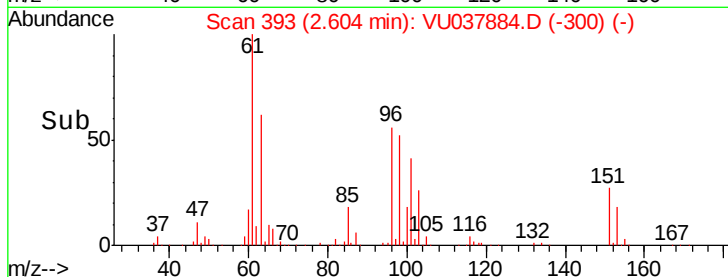
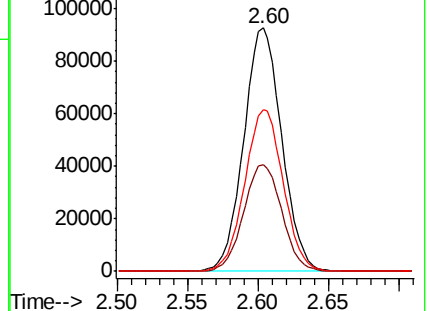
151 66.9 55.5 83.3



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: 51.675 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

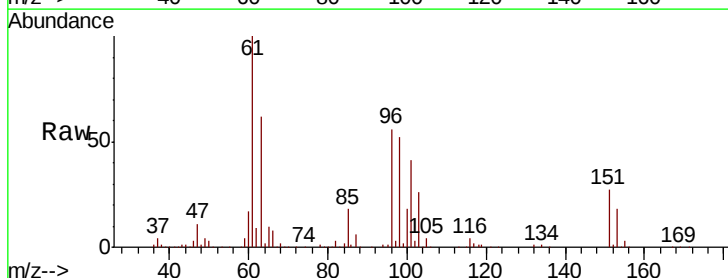
Tgt Ion: 96 Resp: 203102

Ion Ratio Lower Upper

96 100

61 179.6 134.1 249.0

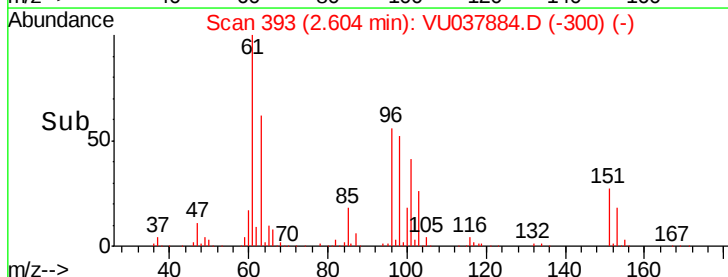
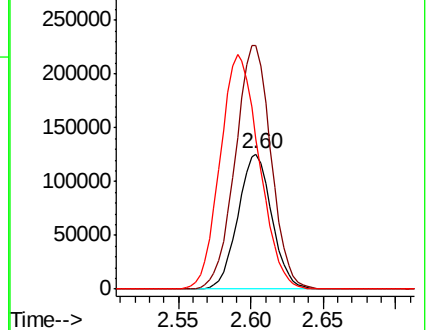
63 110.9 96.5 179.1

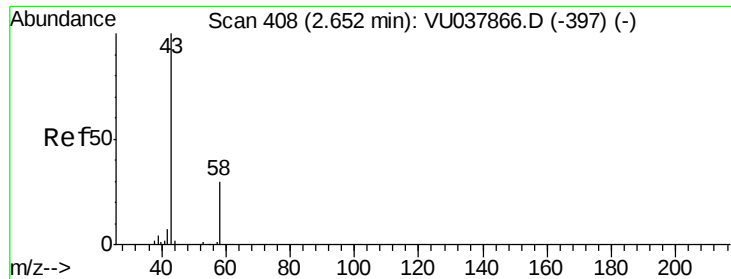


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 103.910 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037884.D

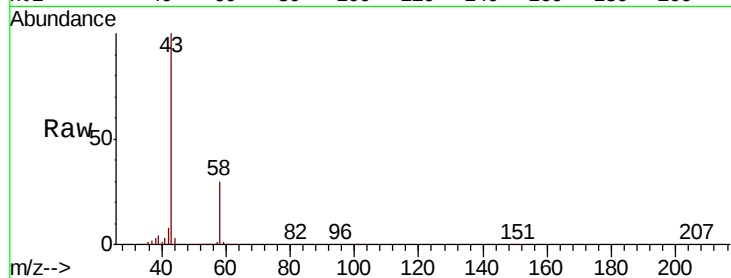
Acq: 28 Apr 2020 15:14

Tot Ion: 43 Resp: 277858

Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU037866.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU037866.D (-397) (-)

200000

150000

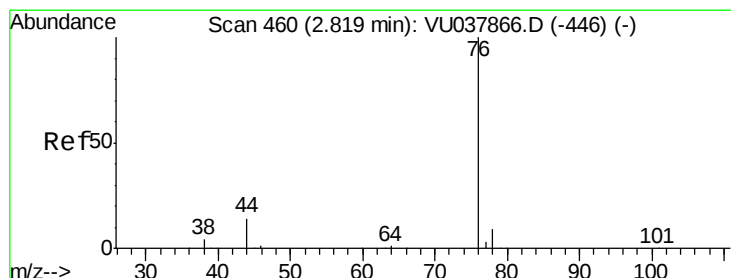
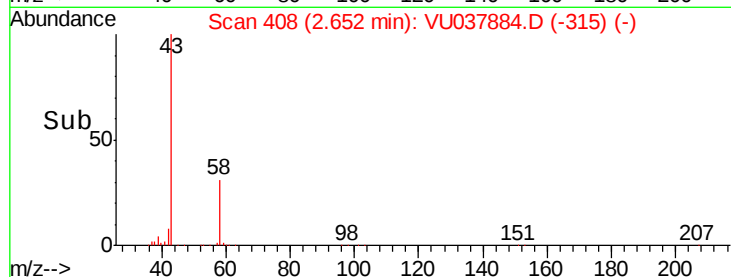
100000

50000

0

2.60 2.65 2.70 2.75

Time-->



#14

Carbon disulfide

Concen: 46.075 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037884.D

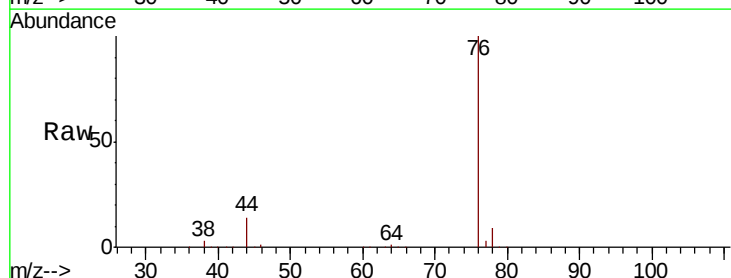
Acq: 28 Apr 2020 15:14

Tgt Ion: 76 Resp: 647642

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU037866.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037866.D (-446) (-)

400000

300000

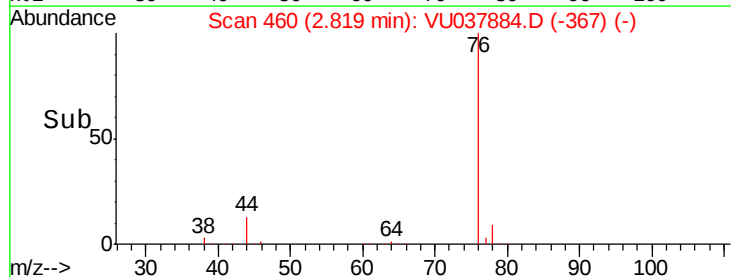
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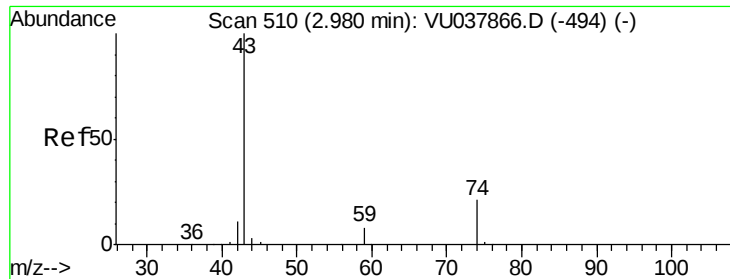
100000

0

2.75 2.80 2.85 2.90

Time-->





#15

Methvl Acetate

Concen: 48.440 ug/L

RT: 2.98 min Scan# 509

Delta R.T. -0.00 min

Lab File: VU037884.D

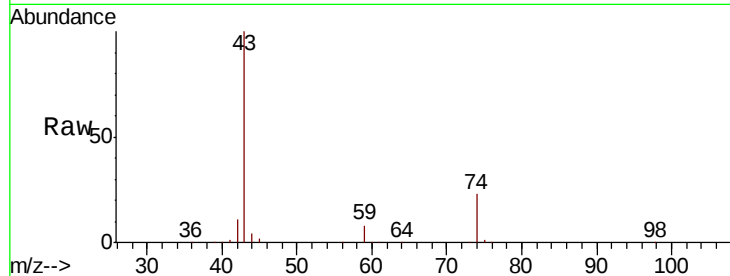
Acq: 28 Apr 2020 15:14

Tot Ion: 43 Resp: 313074

Ion Ratio Lower Upper

43 100

74 23.3 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VU037866.D (-494) (-)

Ion 74.00 (73.70 to 74.70): VU037866.D (-494) (-)

200000

150000

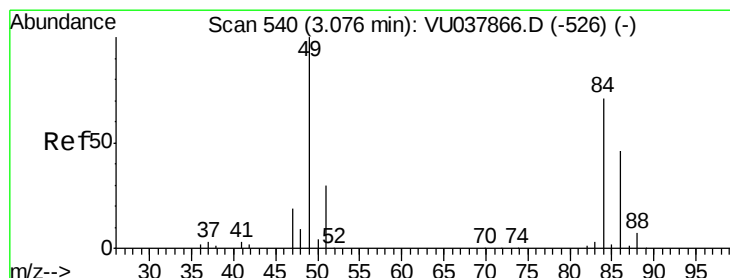
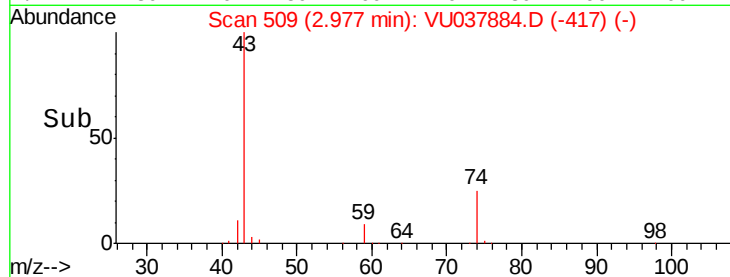
100000

50000

0

2.90 2.95 3.00 3.05

Time-->



#16

Methylene chloride

Concen: 54.540 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

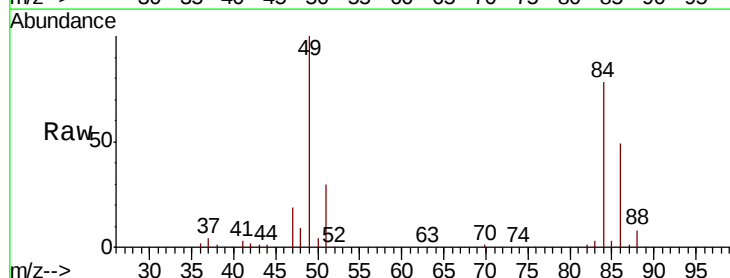
Tgt Ion: 84 Resp: 254715

Ion Ratio Lower Upper

84 100

86 63.3 43.5 80.7

49 128.8 95.1 176.7



Abundance Ion 84.00 (83.70 to 84.70): VU037866.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU037866.D (-526) (-)

Ion 49.00 (48.70 to 49.70): VU037866.D (-526) (-)

200000

150000

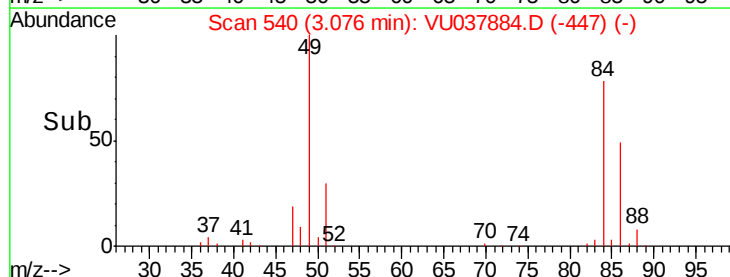
100000

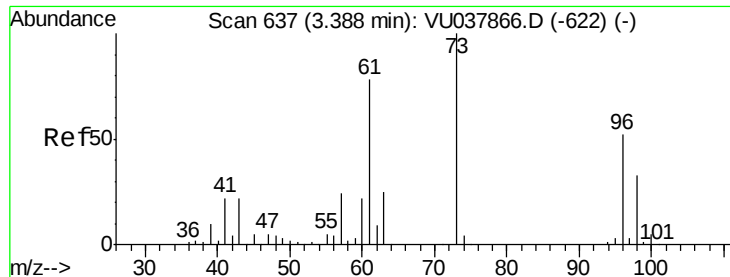
50000

0

3.00 3.05 3.10 3.15

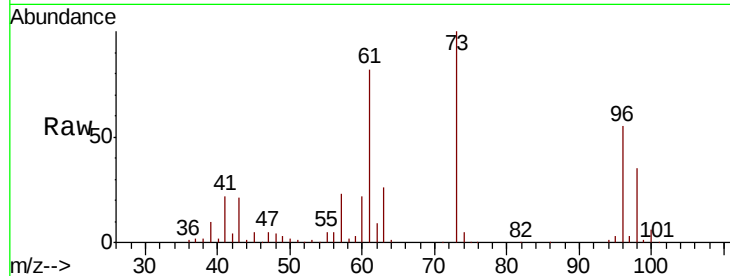
Time-->



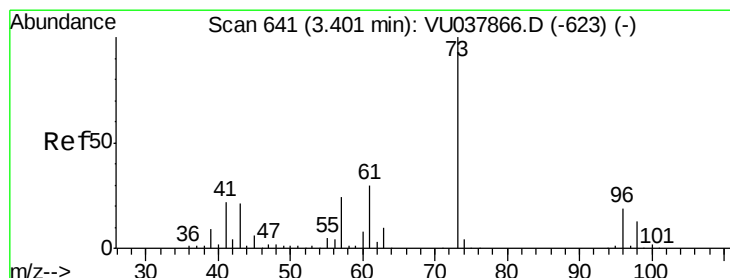
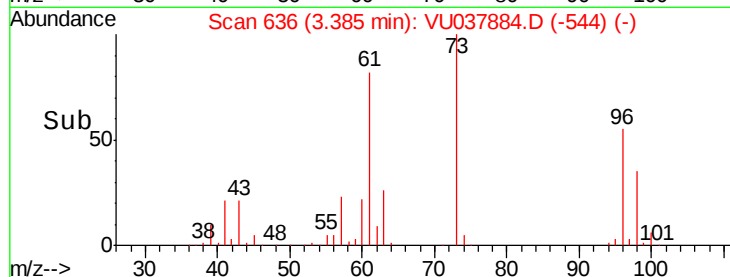
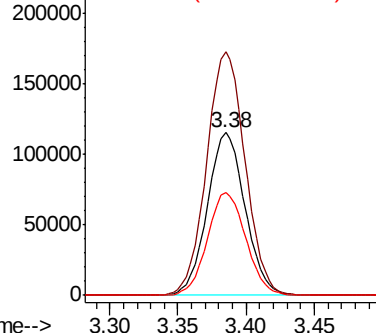


#17
trans-1,2-Dichloroethene
Concen: 50.503 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU037884.D
Acq: 28 Apr 2020 15:14

Tot Ion: 96 Resp: 221939
Ion Ratio Lower Upper
96 100
61 149.9 111.4 207.0
98 63.5 43.9 81.5

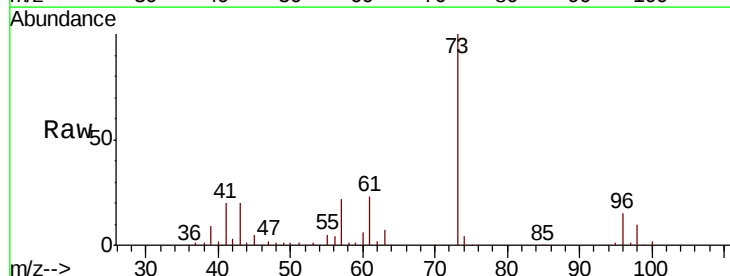


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

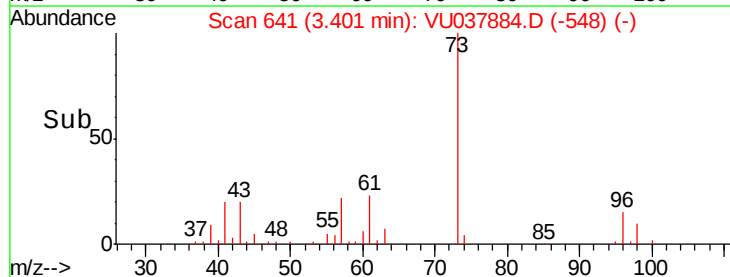
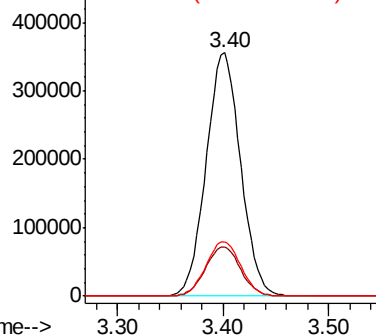


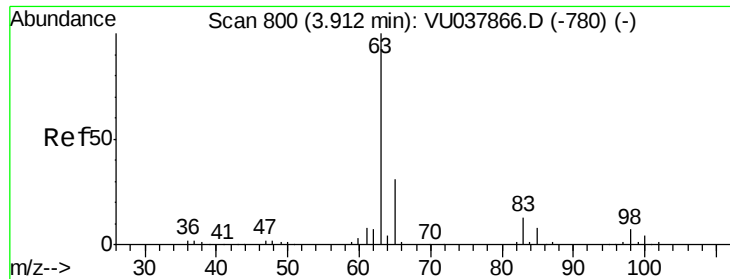
#18
Methyl tert-butyl Ether
Concen: 53.234 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU037884.D
Acq: 28 Apr 2020 15:14

Tgt Ion: 73 Resp: 805839
Ion Ratio Lower Upper
73 100
43 20.7 17.0 25.6
57 22.8 18.7 28.1



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: 51.604 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

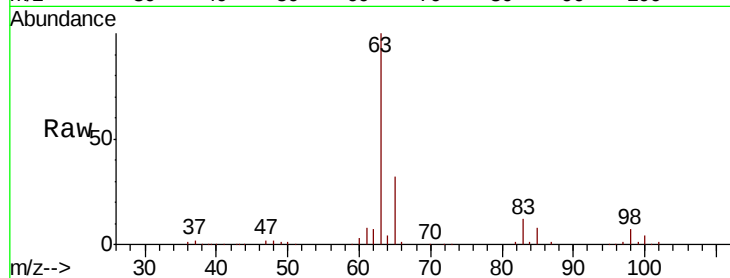
Tot Ion: 63 Resp: 457130

Ion Ratio Lower Upper

63 100

65 31.9 22.2 41.2

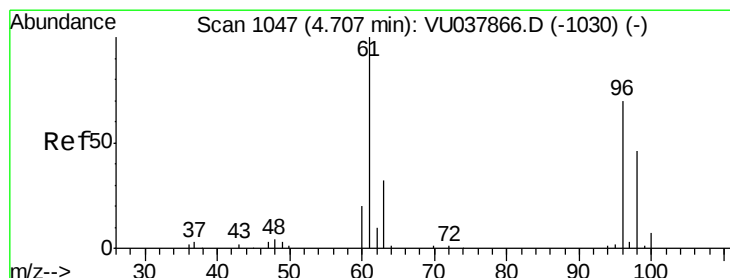
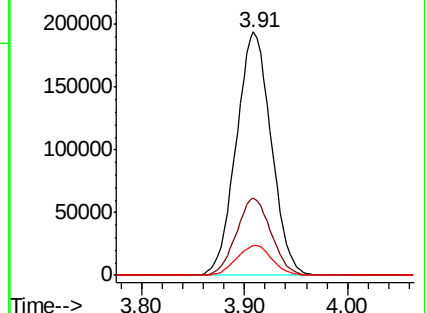
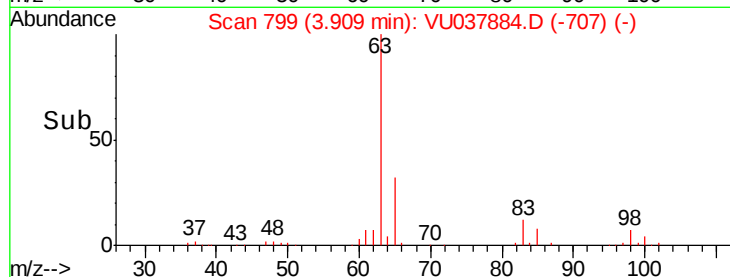
83 12.2 8.6 16.0



Abundance Ion 63.00 (62.70 to 63.70): VU037884.D (-799) (-)

Ion 65.00 (64.70 to 65.70): VU037884.D (-799) (-)

Ion 83.00 (82.70 to 83.70): VU037884.D (-799) (-)



#20

cis-1,2-Dichloroethene

Concen: 54.067 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

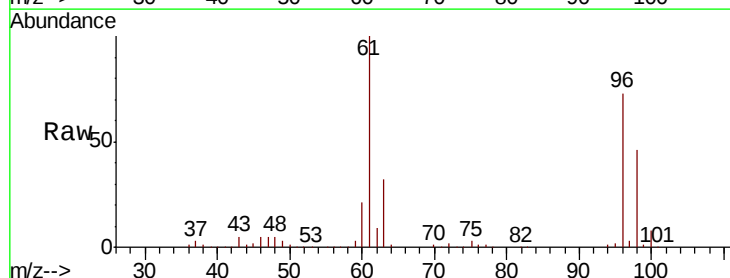
Tgt Ion: 96 Resp: 260150

Ion Ratio Lower Upper

96 100

61 136.3 100.4 186.4

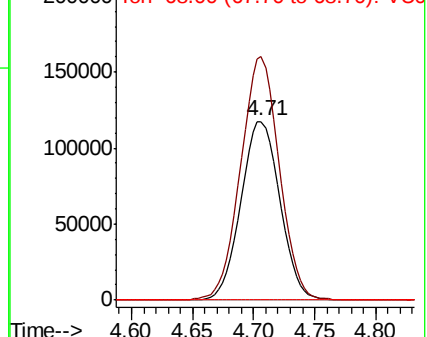
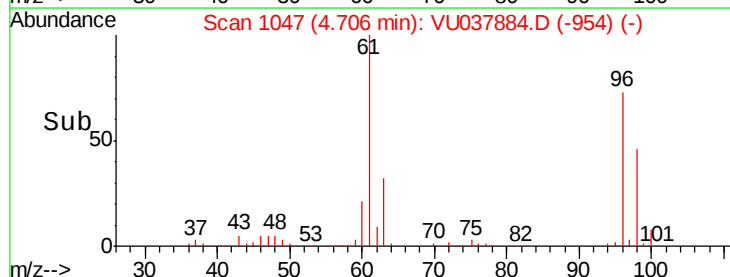
68 0.0 0.0 0.0

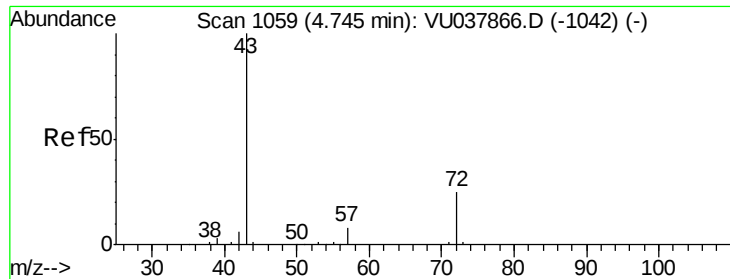


Abundance Ion 96.00 (95.70 to 96.70): VU037884.D (-1047) (-)

Ion 61.00 (60.70 to 61.70): VU037884.D (-1047) (-)

Ion 68.00 (67.70 to 68.70): VU037884.D (-1047) (-)





#22

2-Butanone

Concen: 96.986 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VU037884.D

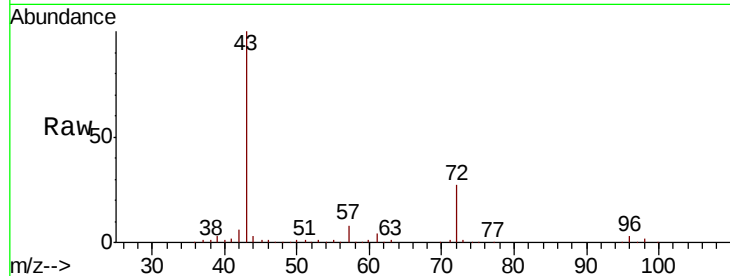
Acq: 28 Apr 2020 15:14

Tot Ion: 43 Resp: 454124

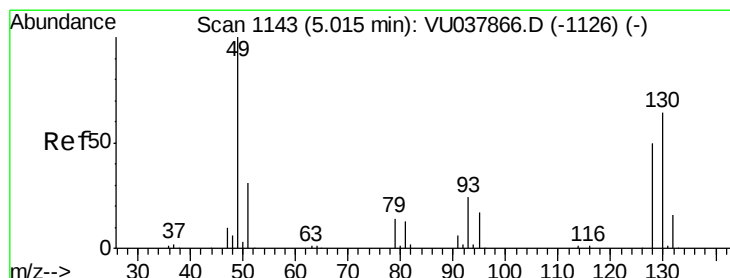
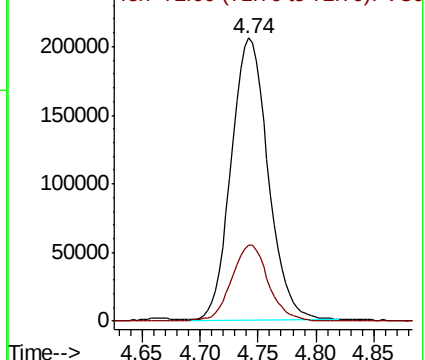
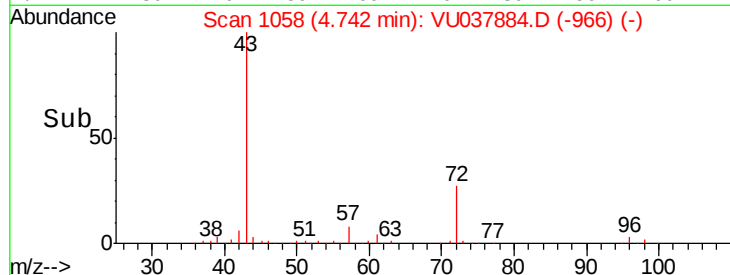
Ion Ratio Lower Upper

43 100

72 27.2 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VU037884.D (-966) (-)



#23

Bromochloromethane

Concen: 52.050 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

Tgt Ion: 128 Resp: 121018

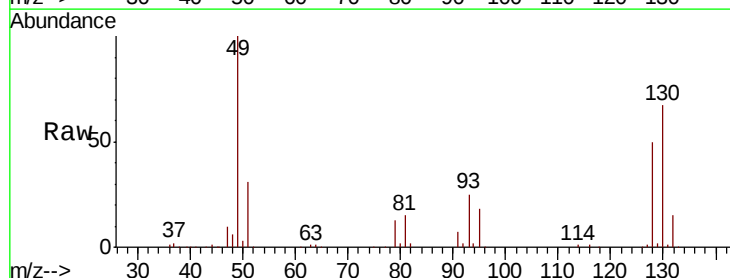
Ion Ratio Lower Upper

128 100

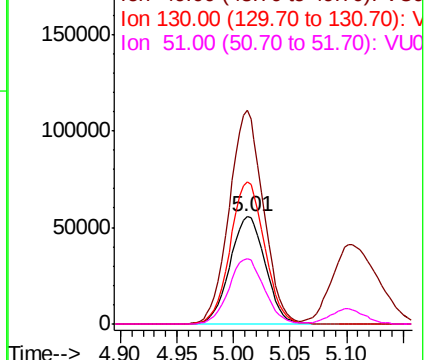
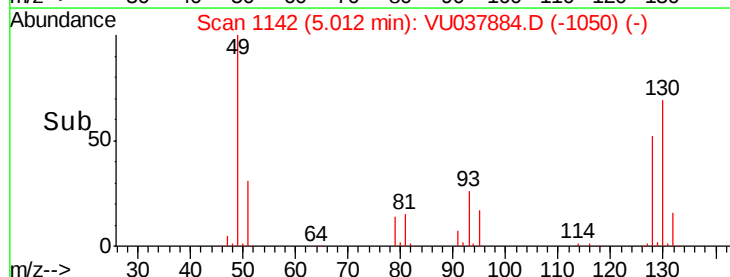
49 198.9 140.9 261.7

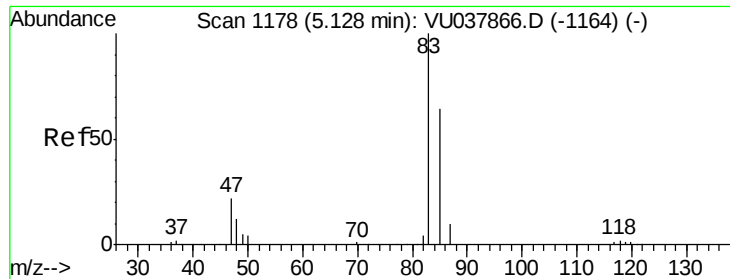
130 132.8 88.6 164.6

51 61.4 50.0 75.0



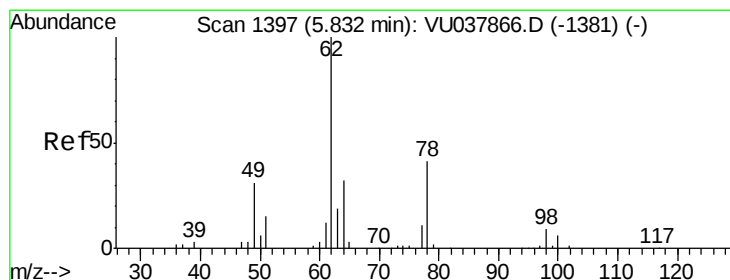
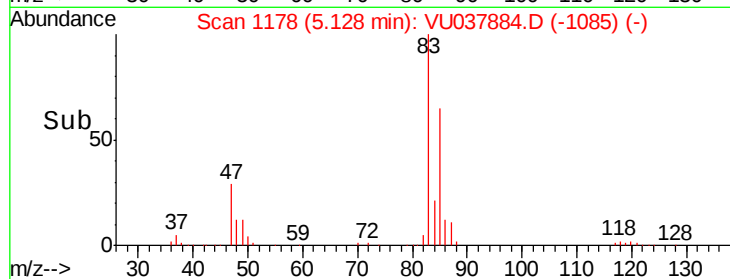
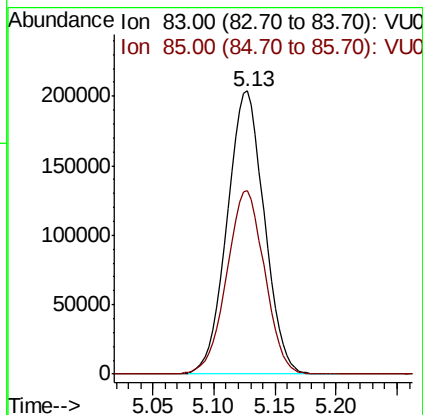
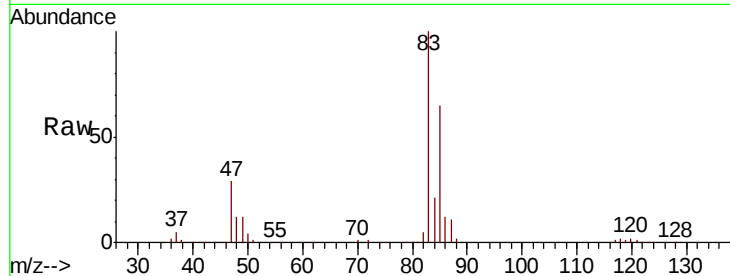
Abundance Ion 128.00 (127.70 to 128.70): VU037884.D (-1050) (-)





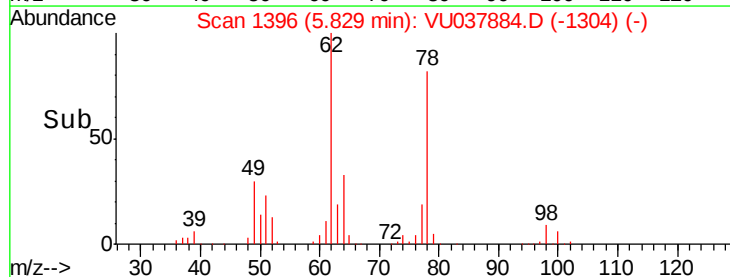
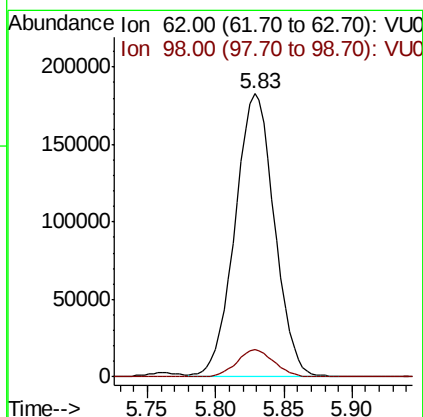
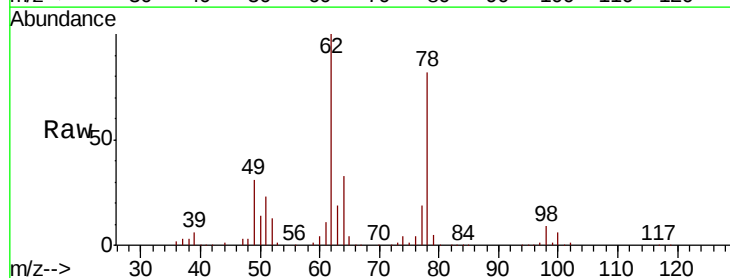
#25
Chloroform
Concen: 52.146 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037884.D
Acq: 28 Apr 2020 15:14

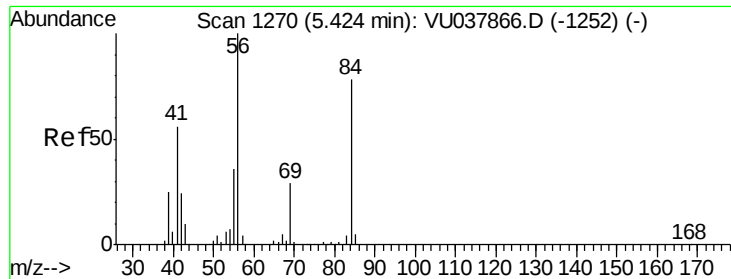
Tot Ion: 83 Resp: 432230
Ion Ratio Lower Upper
83 100
85 64.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 51.631 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037884.D
Acq: 28 Apr 2020 15:14

Tgt Ion: 62 Resp: 366532
Ion Ratio Lower Upper
62 100
98 9.5 7.3 10.9





#29

Cyclohexane

Concen: 41.018 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

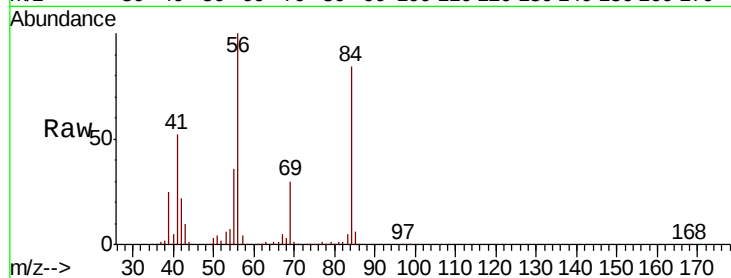
Tot Ion: 56 Resp: 367978

Ion Ratio Lower Upper

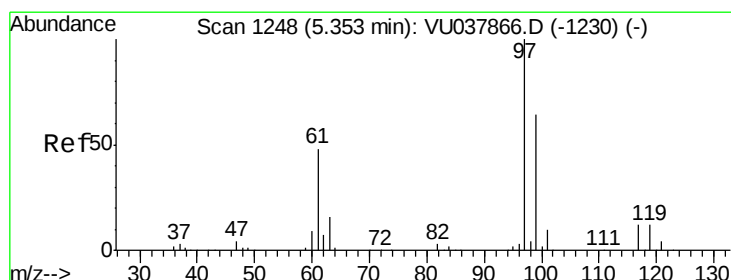
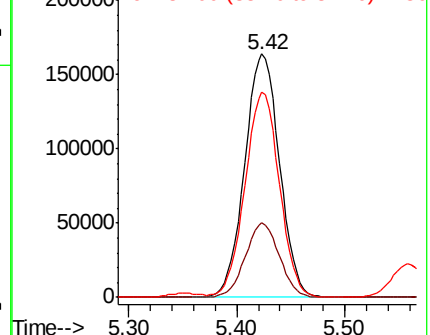
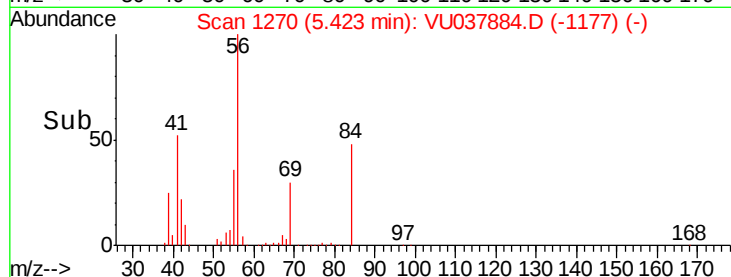
56 100

69 29.8 22.9 34.3

84 83.2 63.6 95.4



Abundance Ion 56.00 (55.70 to 56.70): VU037884.D (-1177) (-)



#30

1,1,1-Trichloroethane

Concen: 49.861 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

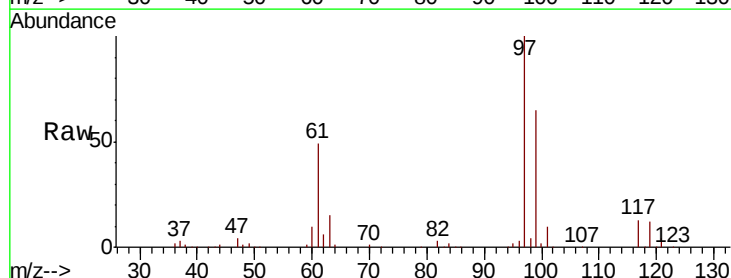
Tgt Ion: 97 Resp: 357079

Ion Ratio Lower Upper

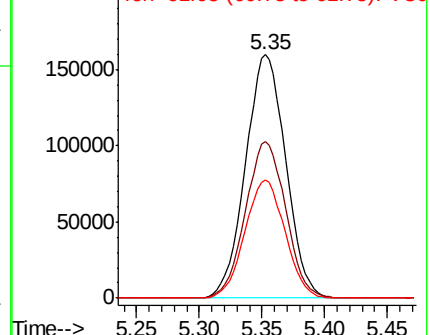
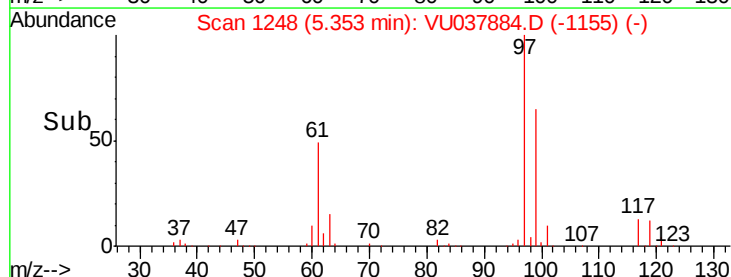
97 100

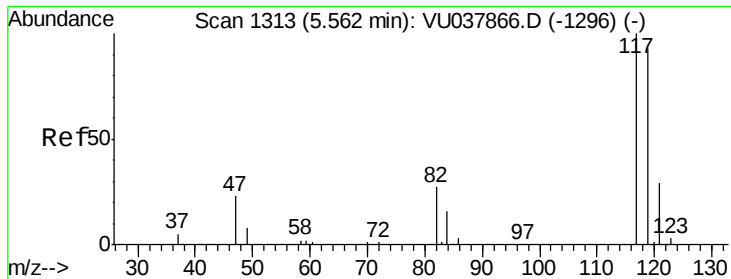
99 64.4 50.7 76.1

61 48.4 38.9 58.3



Abundance Ion 97.00 (96.70 to 97.70): VU037884.D (-1155) (-)





#31

Carbon tetrachloride

Concen: 48.019 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU037884.D

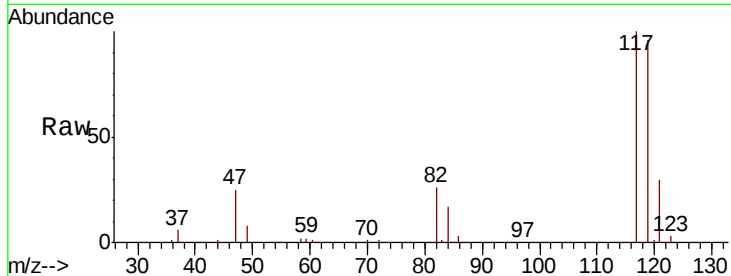
Acq: 28 Apr 2020 15:14

Tot Ion:117 Resp: 277999

Ion Ratio Lower Upper

117 100

119 96.7 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

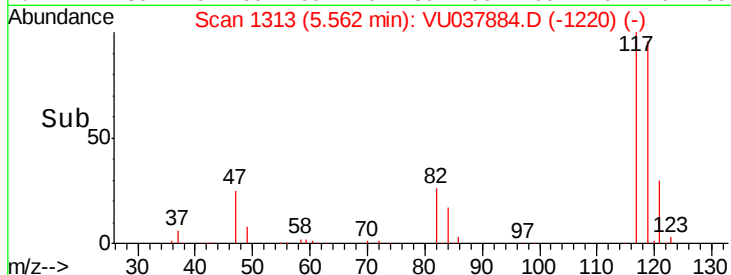
150000

100000

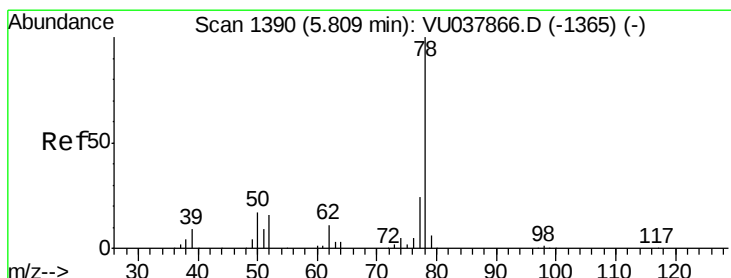
50000

0

5.45 5.50 5.55 5.60 5.65



Time-->



#33

Benzene

Concen: 50.940 ug/L

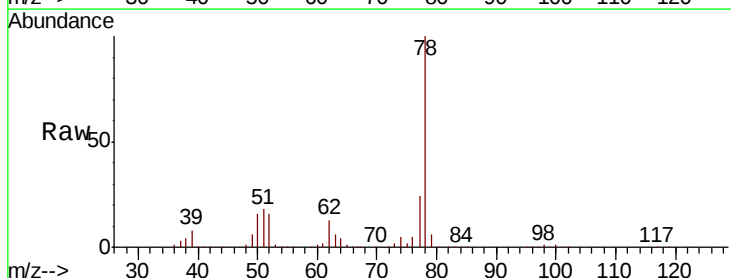
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

Tgt Ion: 78 Resp: 991461



Abundance Ion 78.00 (77.70 to 78.70): VU0

500000

400000

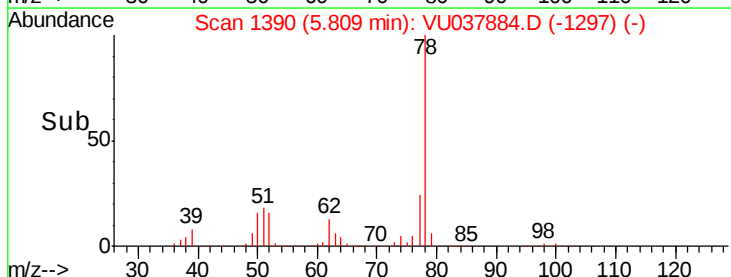
300000

200000

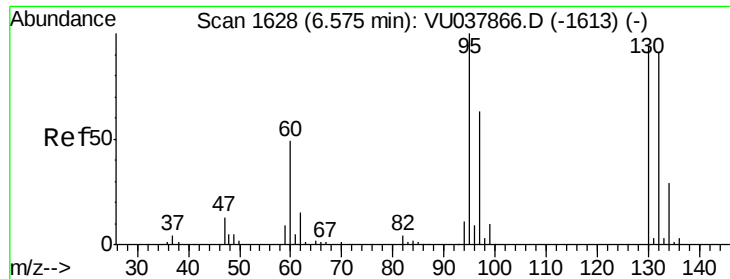
100000

0

5.70 5.80 5.90



Time-->



#34

Trichloroethene

Concen: 49.912 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

Tot Ion: 95 Resp: 238292

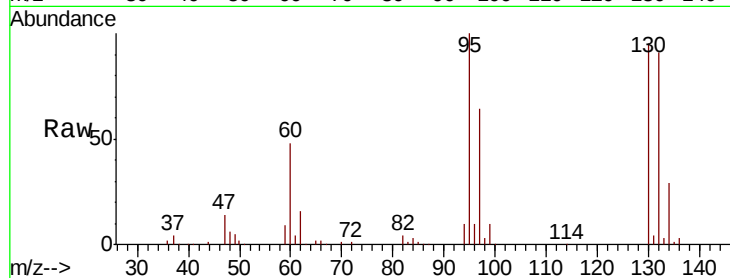
Ion Ratio Lower Upper

95 100

97 63.9 44.4 82.5

132 90.8 65.0 120.6

130 95.2 65.5 121.7

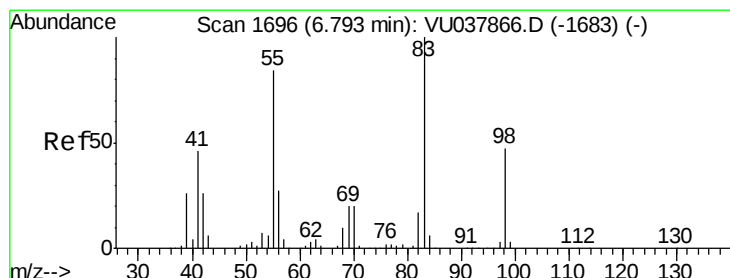
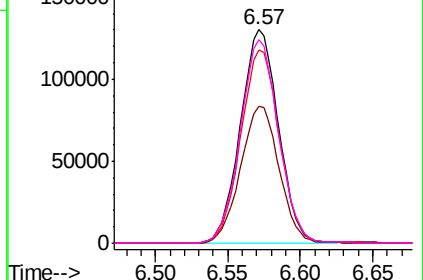
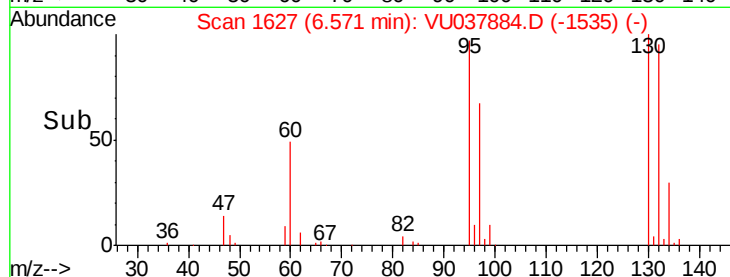


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 40.636 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

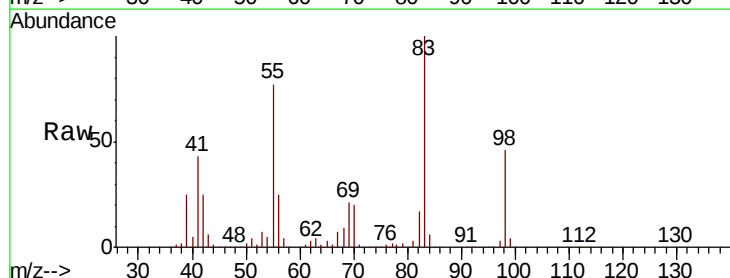
Tgt Ion: 83 Resp: 339712

Ion Ratio Lower Upper

83 100

55 77.8 66.3 99.5

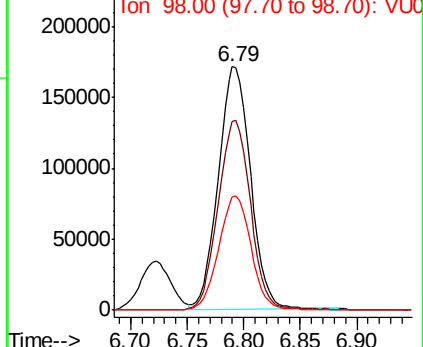
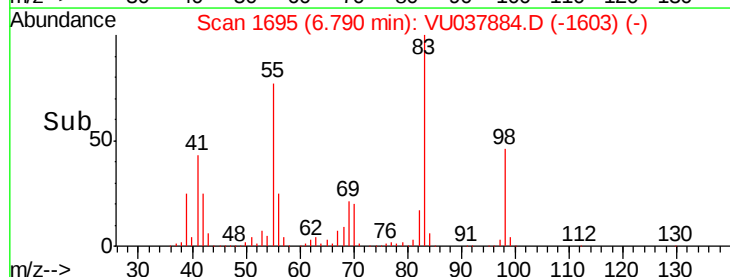
98 46.8 37.4 56.0

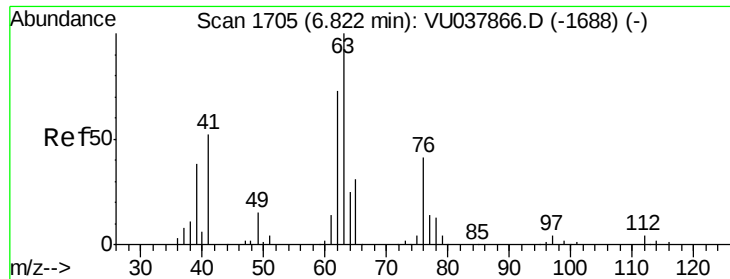


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

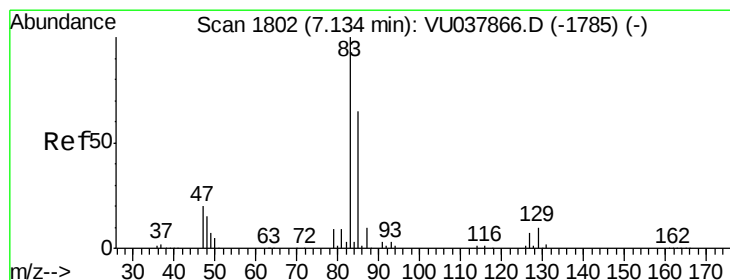
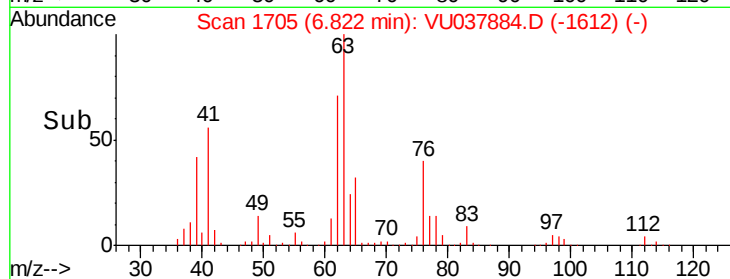
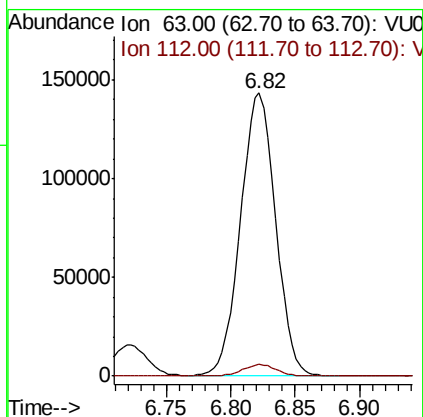
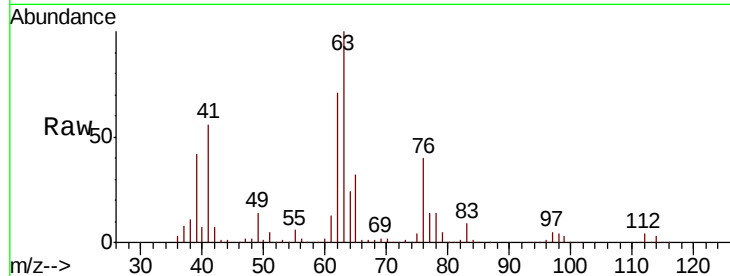
Ion 98.00 (97.70 to 98.70): VU0





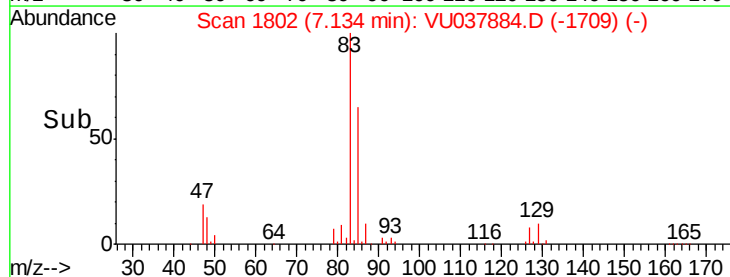
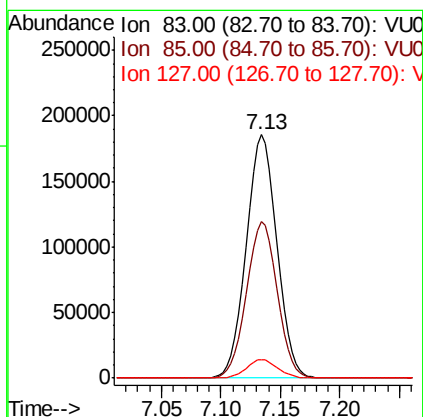
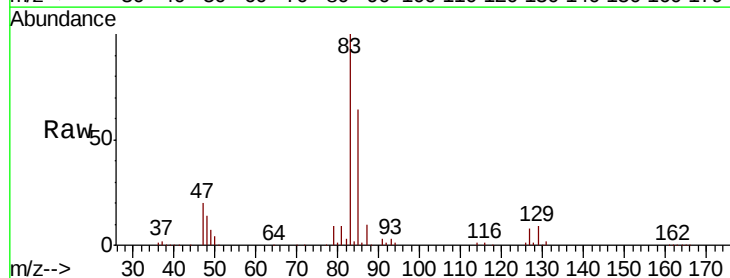
#37
 1,2-Dichloropropane
 Concen: 51.274 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037884.D
 Acq: 28 Apr 2020 15:14

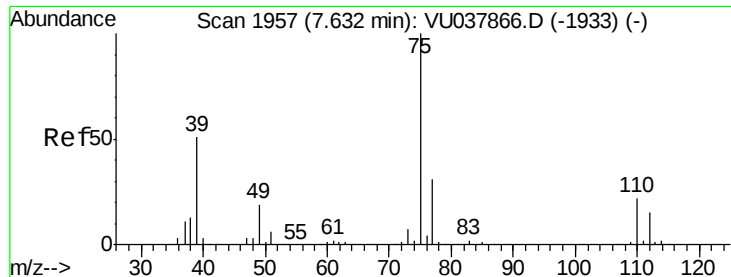
Tot Ion: 63 Resp: 272571
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.4



#38
 Bromodichloromethane
 Concen: 51.580 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037884.D
 Acq: 28 Apr 2020 15:14

Tgt Ion: 83 Resp: 331282
 Ion Ratio Lower Upper
 83 100
 85 64.1 43.3 80.3
 127 7.7 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 47.637 ug/L

RT: 7.63 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VU037884.D

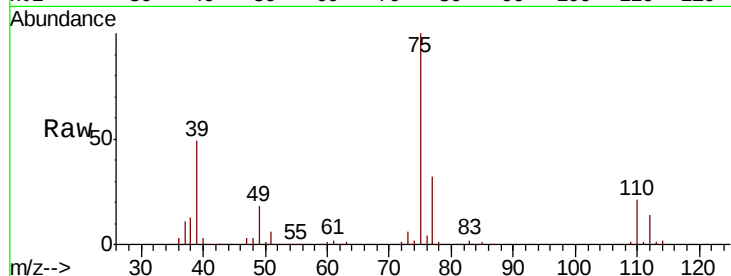
Acq: 28 Apr 2020 15:14

Tot Ion: 75 Resp: 405449

Ion Ratio Lower Upper

75 100

77 32.2 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU037866.D (-1933) (-)

Ion 77.00 (76.70 to 77.70): VU037866.D (-1933) (-)

7.63

250000

200000

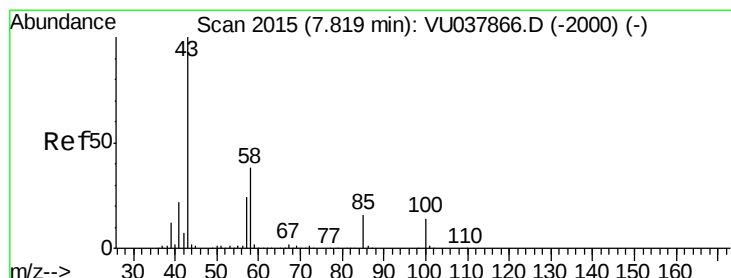
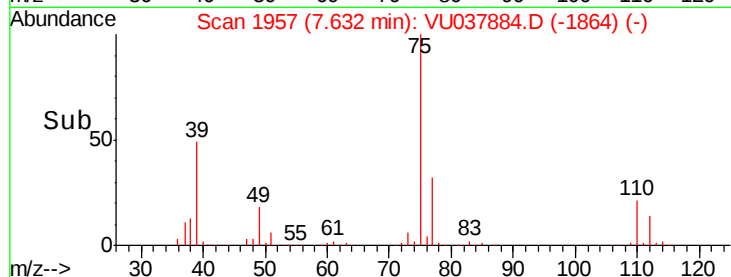
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#40

4-Methyl-2-pentanone

Concen: 95.512 ug/L

RT: 7.82 min Scan# 2015

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

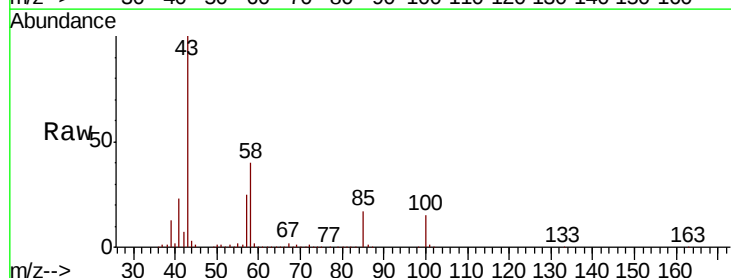
Tgt Ion: 43 Resp: 883002

Ion Ratio Lower Upper

43 100

58 40.1 30.2 45.2

100 15.4 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VU037866.D (-2000) (-)

Ion 58.00 (57.70 to 58.70): VU037866.D (-2000) (-)

Ion 100.00 (99.70 to 100.70): VU037866.D (-2000) (-)

7.82

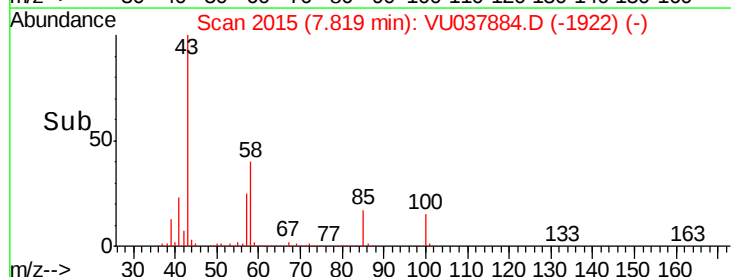
600000

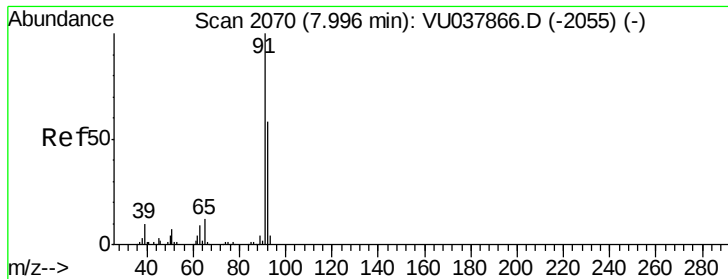
400000

200000

0

Time--> 7.70 7.80 7.90





#42

Toluene

Concen: 51.644 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037884.D

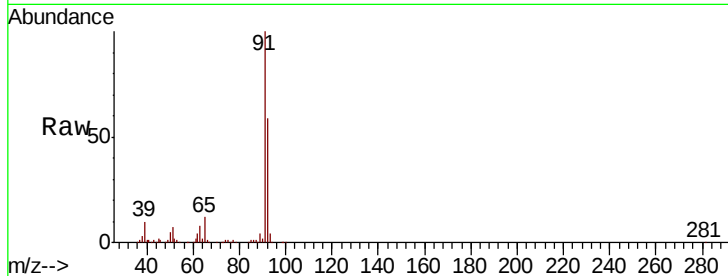
Acq: 28 Apr 2020 15:14

Tot Ion: 91 Resp: 1053872

Ion Ratio Lower Upper

91 100

92 59.3 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VU037866.D (-2055) (-)

Ion 92.00 (91.70 to 92.70): VU037866.D (-2055) (-)

7.99

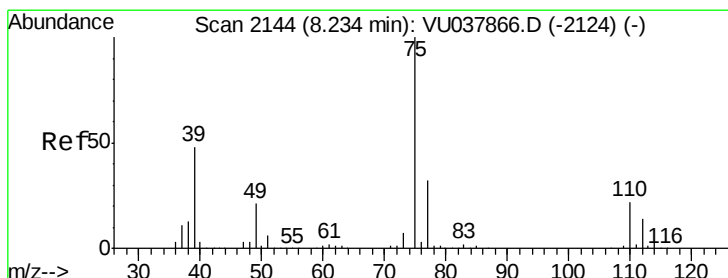
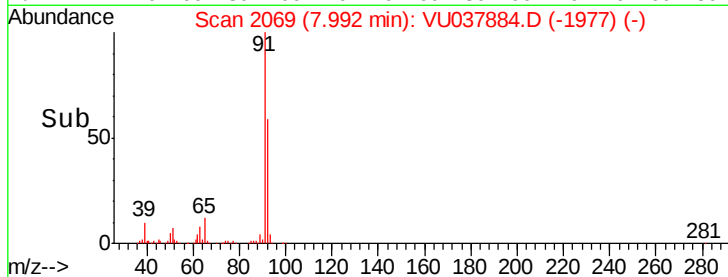
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.788 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037884.D

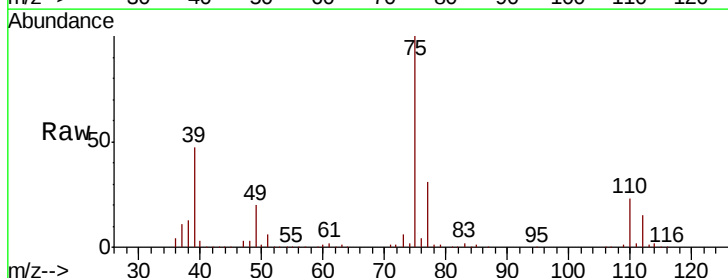
Acq: 28 Apr 2020 15:14

Tgt Ion: 75 Resp: 392609

Ion Ratio Lower Upper

75 100

77 31.2 21.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU037866.D (-2124) (-)

Ion 77.00 (76.70 to 77.70): VU037866.D (-2124) (-)

8.23

250000

200000

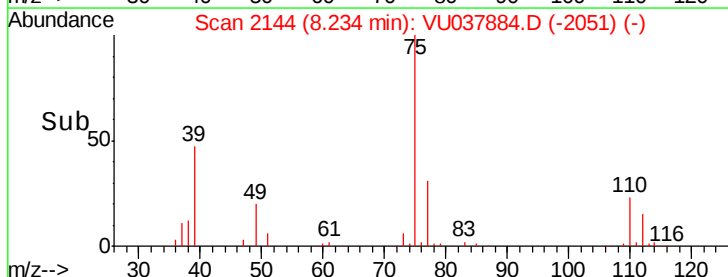
150000

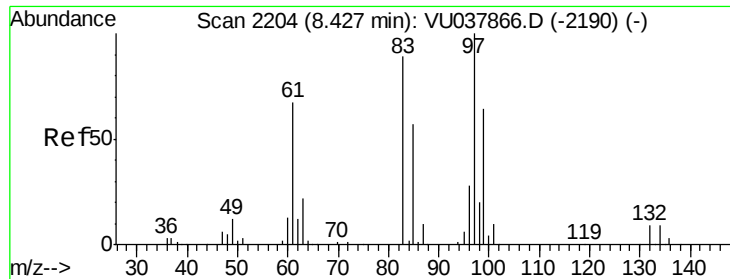
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 53.709 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

Tot Ion: 97 Resp: 249069

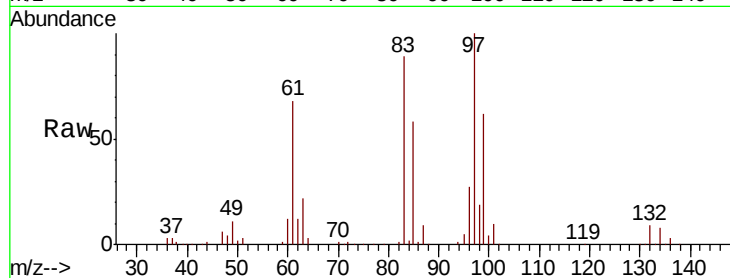
Ion Ratio Lower Upper

97 100

99 62.1 44.0 81.6

83 88.6 62.6 116.2

85 57.6 40.0 74.4



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

200000

150000

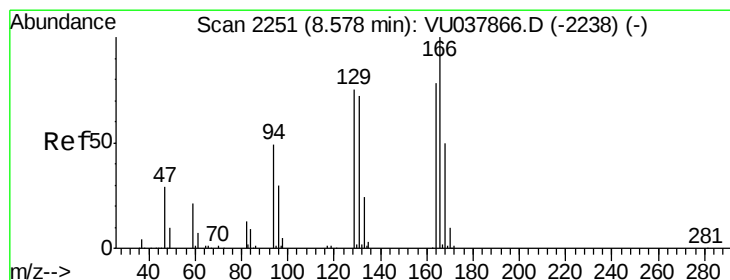
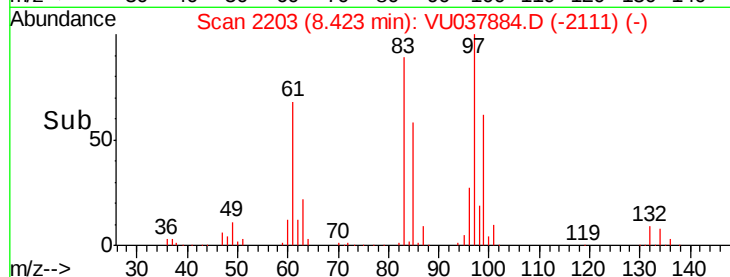
100000

50000

0

8.35 8.40 8.45 8.50

Time-->



#46

Tetrachloroethene

Concen: 46.609 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

Tgt Ion: 164 Resp: 162644

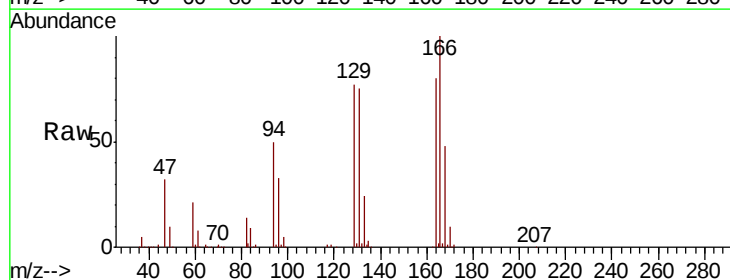
Ion Ratio Lower Upper

164 100

129 96.1 67.3 125.1

131 94.2 64.8 120.4

166 125.1 88.5 164.4



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

150000

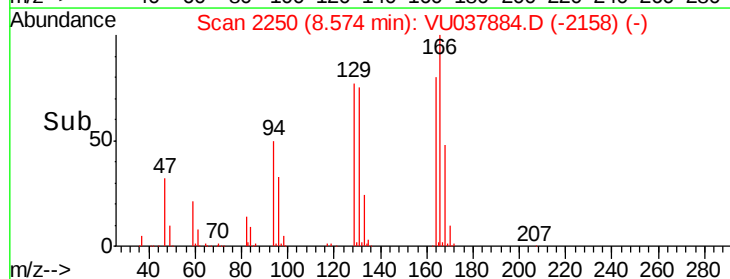
100000

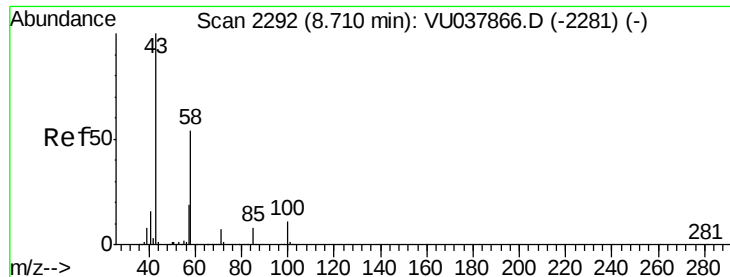
50000

0

8.55 8.57 8.59 8.61

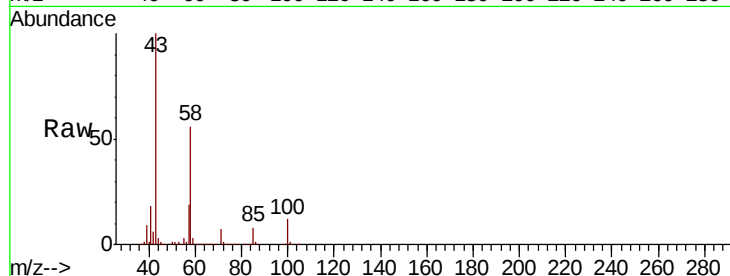
Time-->



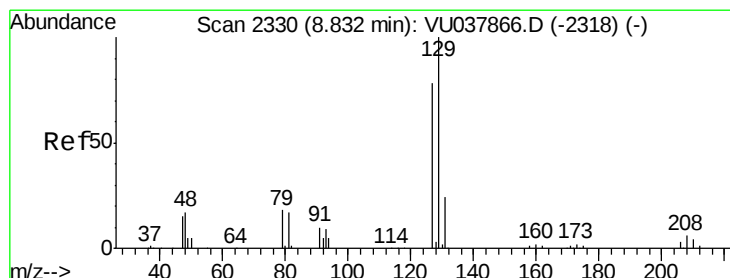
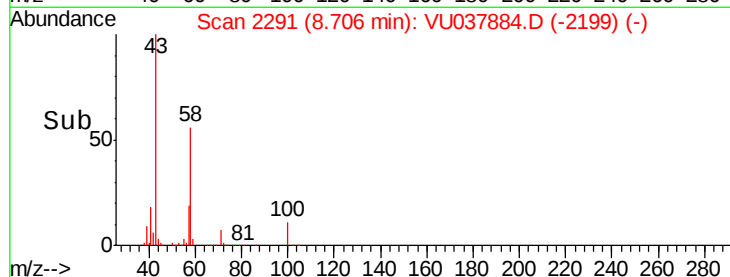
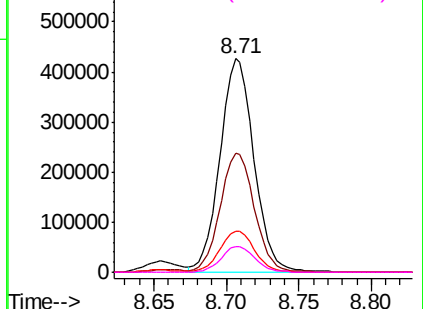


#48
2-Hexanone
Concen: 94.485 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037884.D
Acq: 28 Apr 2020 15:14

Tot Ion:	43	Resp:	690652
Ion	Ratio	Lower	Upper
43	100		
58	56.6	42.6	63.8
57	19.8	14.6	22.0
100	12.2	8.6	13.0

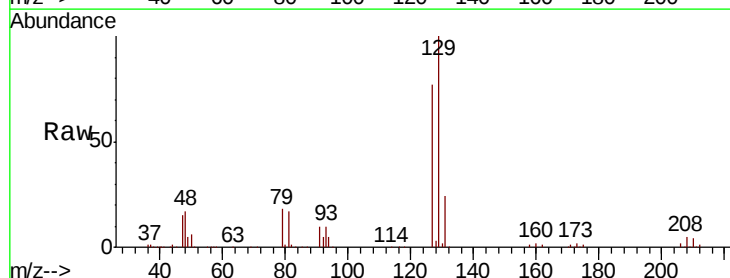


Abundance Ion 43.00 (42.70 to 43.70): VU037866.D (-2281) (-)
Ion 58.00 (57.70 to 58.70): VU037866.D (-2281) (-)
Ion 57.00 (56.70 to 57.70): VU037866.D (-2281) (-)
Ion 100.00 (99.70 to 100.70): VU037866.D (-2281) (-)

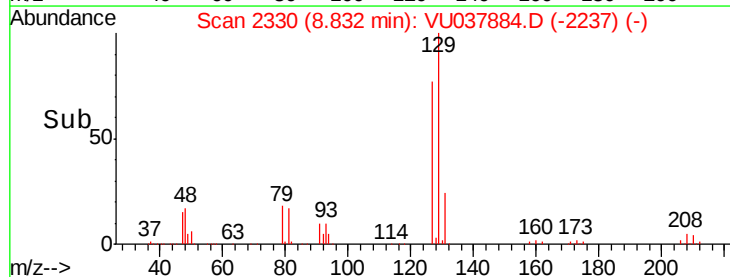
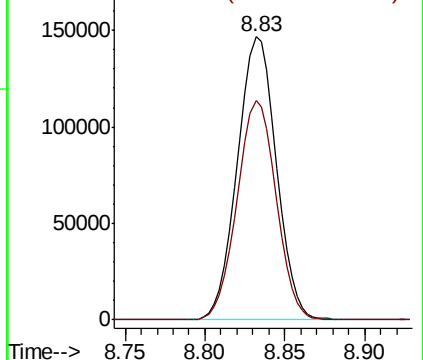


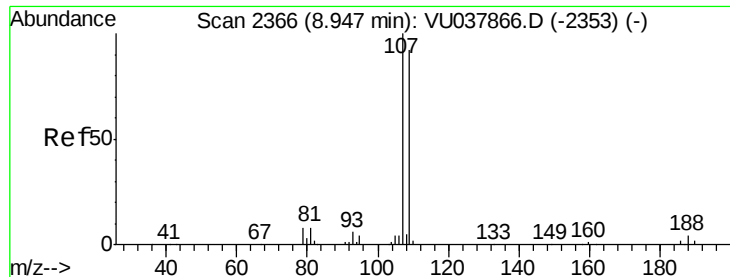
#49
Dibromochloromethane
Concen: 50.321 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037884.D
Acq: 28 Apr 2020 15:14

Tgt Ion:	129	Resp:	243672
Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.7	101.5



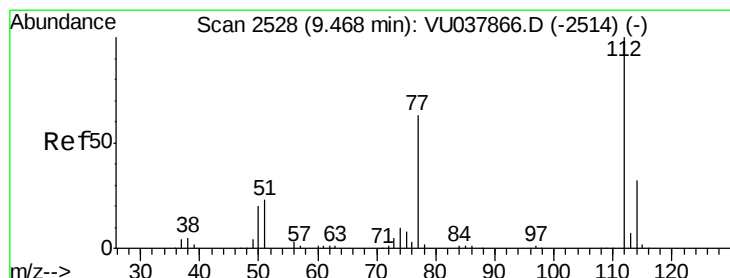
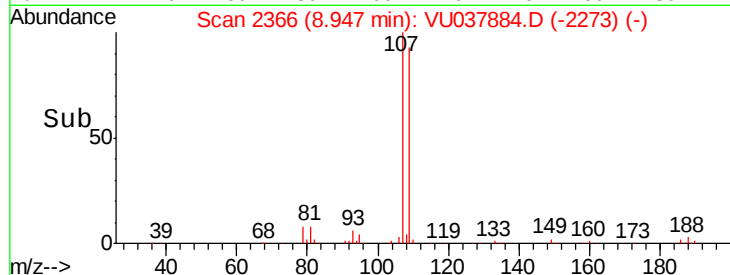
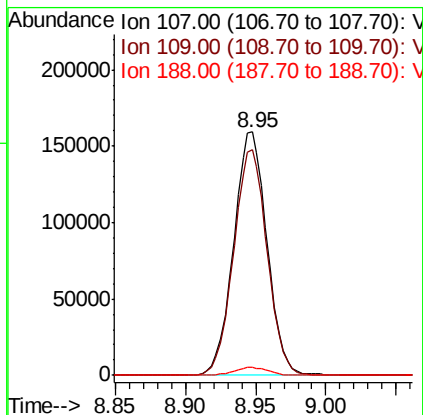
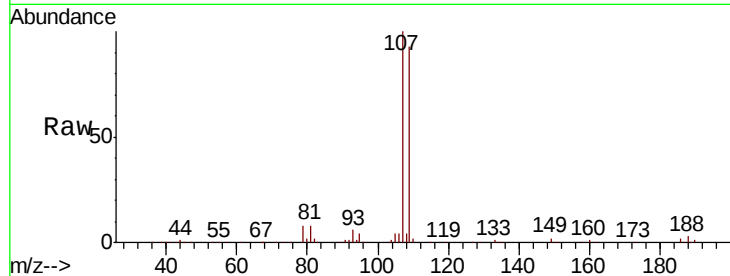
Abundance Ion 129.00 (128.70 to 129.70): VU037866.D (-2318) (-)
Ion 127.00 (126.70 to 127.70): VU037866.D (-2318) (-)





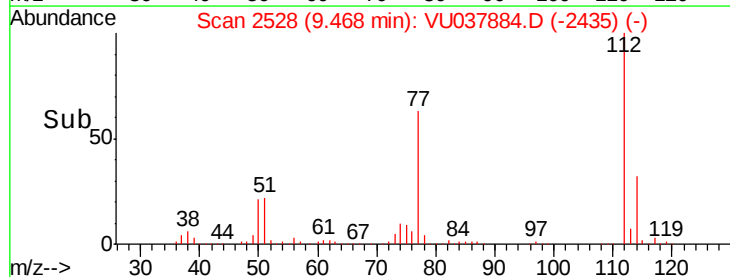
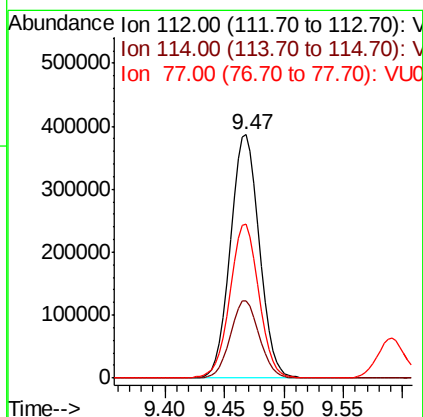
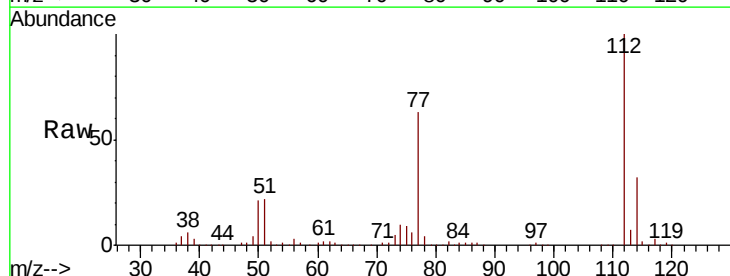
#50
1,2-Dibromoethane
Concen: 52.487 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VU037884.D
Acq: 28 Apr 2020 15:14

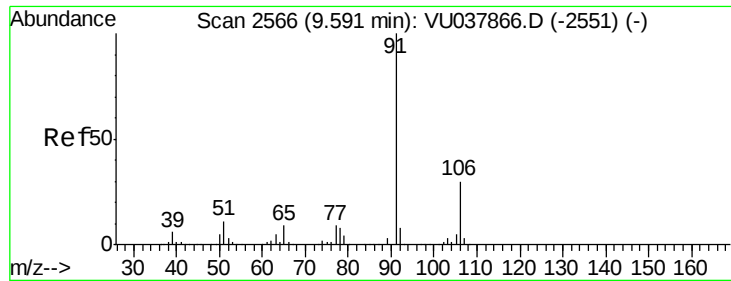
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	65.7	122.1
188	3.1	2.9	4.3



#51
Chlorobenzene
Concen: 51.359 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037884.D
Acq: 28 Apr 2020 15:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.3	41.3
77	63.1	49.8	74.6





#52

Ethylbenzene

Concen: 51.428 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037884.D

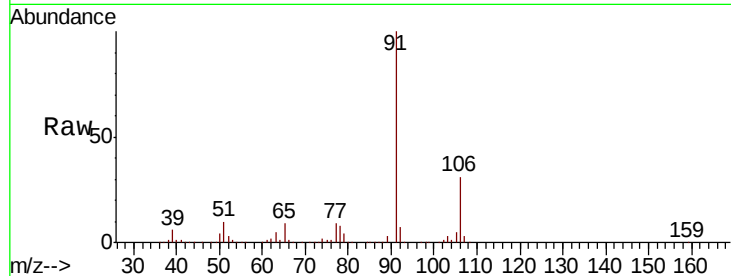
Acq: 28 Apr 2020 15:14

Tot Ion: 91 Resp: 1175259

Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU037866.D (-2551) (-)

Ion 106.00 (105.70 to 106.70): VU037866.D (-2551) (-)

9.59

800000

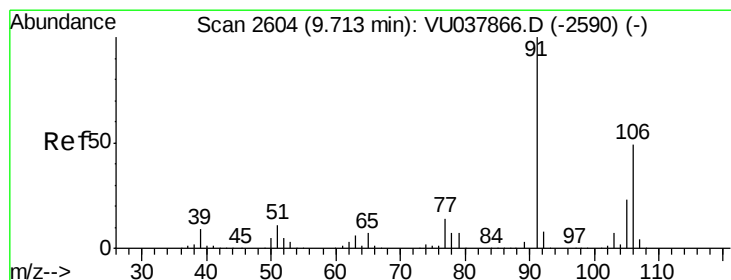
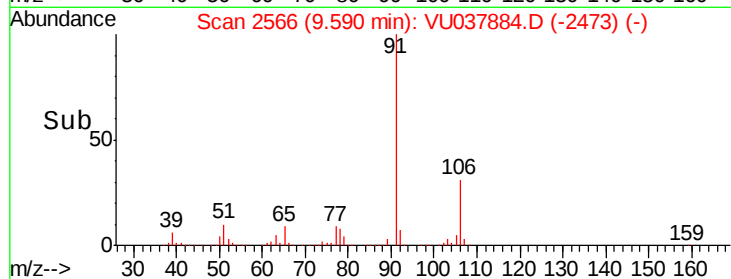
600000

400000

200000

0

Time-->



#53

m,p-Xylene

Concen: 51.872 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037884.D

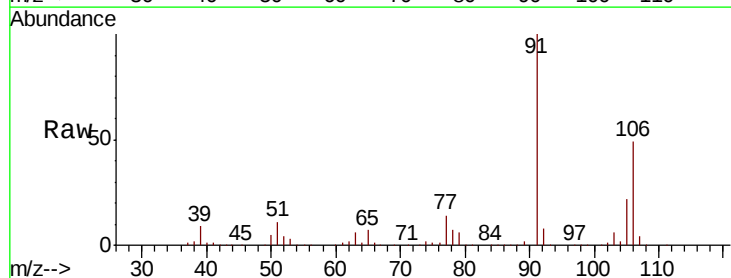
Acq: 28 Apr 2020 15:14

Tgt Ion: 106 Resp: 446313

Ion Ratio Lower Upper

106 100

91 204.8 142.8 265.2



Abundance Ion 106.00 (105.70 to 106.70): VU037866.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VU037866.D (-2590) (-)

9.71

600000

500000

400000

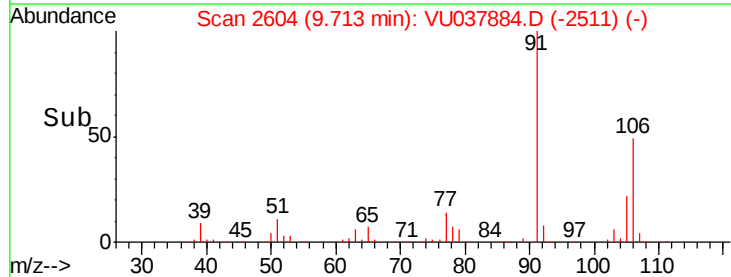
300000

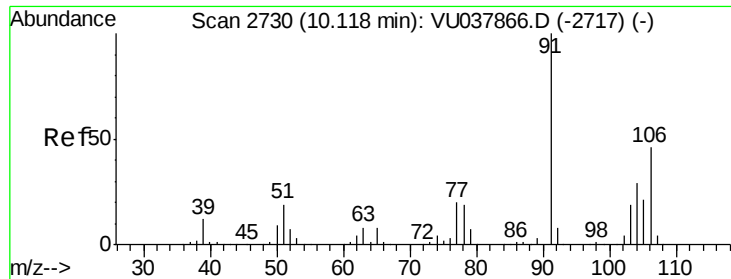
200000

100000

0

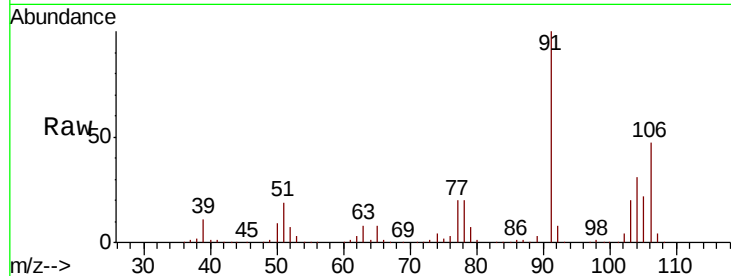
Time-->



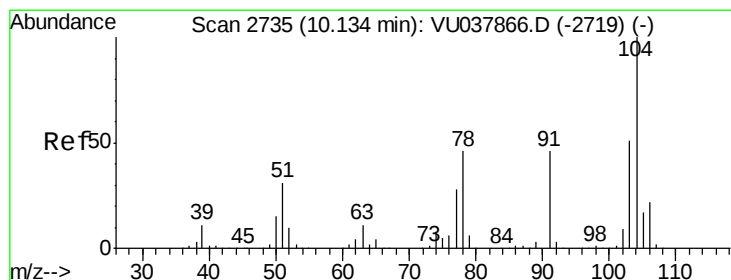
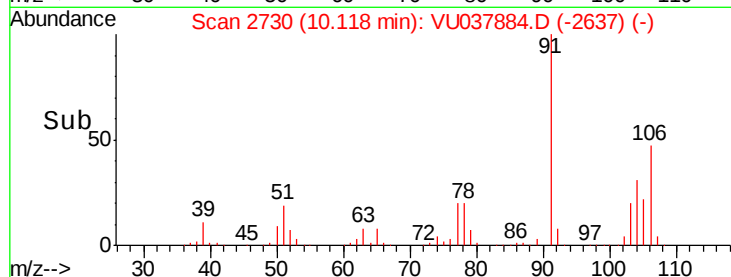
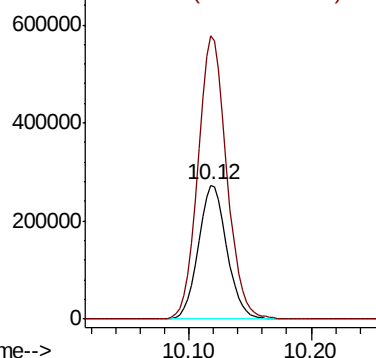


#54
o-xylene
Concen: 53.055 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037884.D
Acq: 28 Apr 2020 15:14

Tot Ion:106 Resp: 446450
Ion Ratio Lower Upper
106 100
91 211.0 150.6 279.6

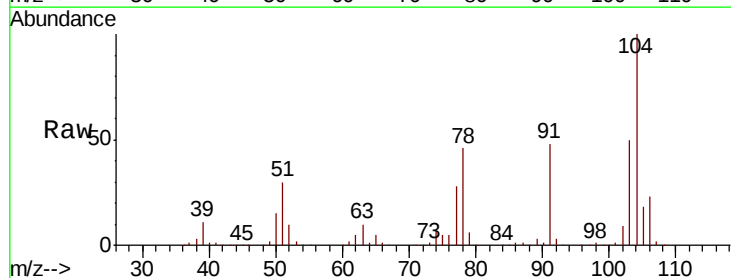


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

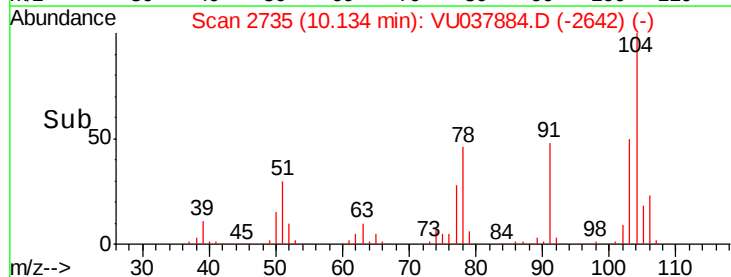
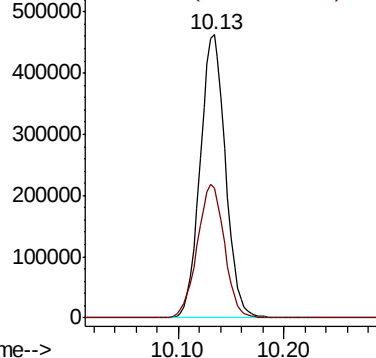


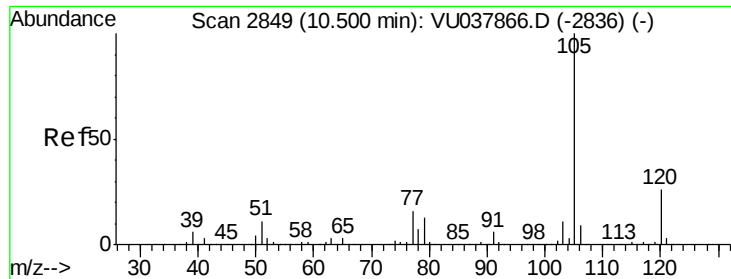
#55
Styrene
Concen: 53.013 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037884.D
Acq: 28 Apr 2020 15:14

Tgt Ion:104 Resp: 767171
Ion Ratio Lower Upper
104 100
78 46.0 32.6 60.6



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





#56

Isopropylbenzene

Concen: 51.144 ug/L

RT: 10.50 min Scan# 2849

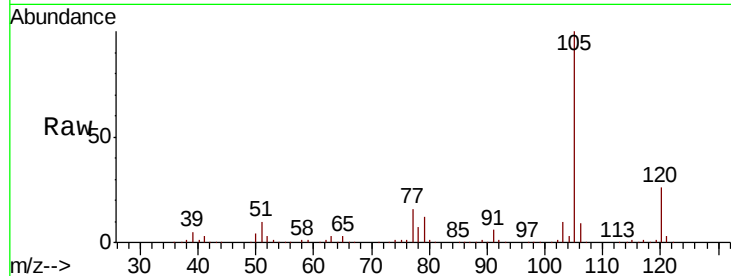
Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

Tot Ion: 105 Resp: 1138993

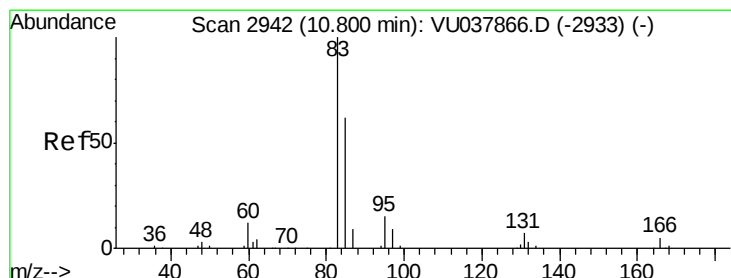
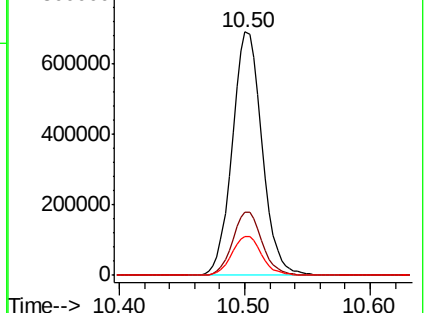
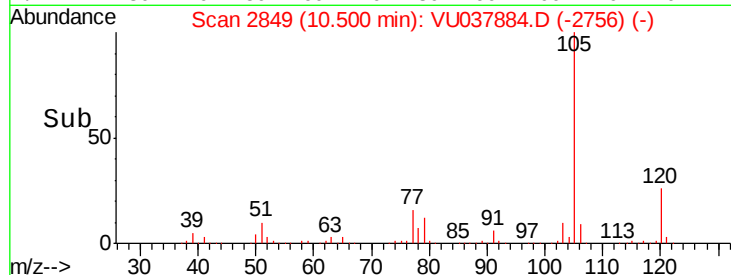
Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.6	31.0
77	16.2	13.0	19.4



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: 53.299 ug/L

RT: 10.80 min Scan# 2942

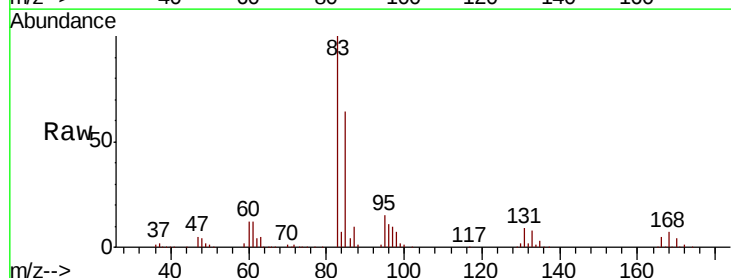
Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

Tgt Ion: 83 Resp: 439591

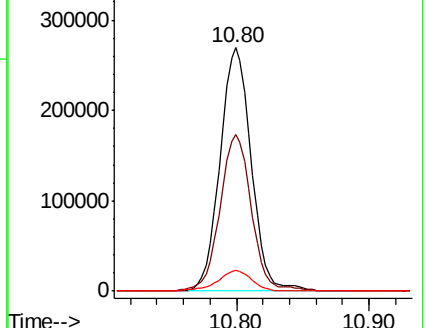
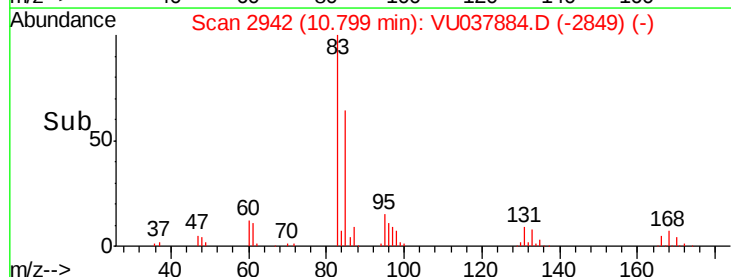
Ion	Ratio	Lower	Upper
83	100		
85	64.4	43.8	81.4
131	8.6	7.2	10.8

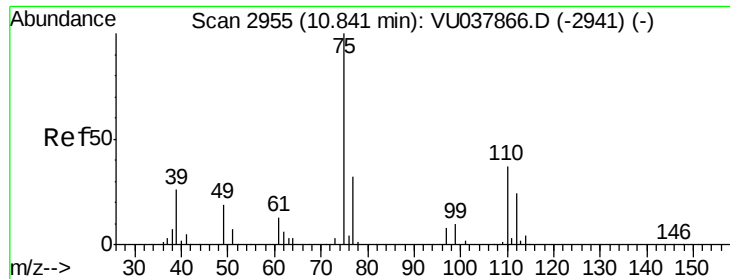


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

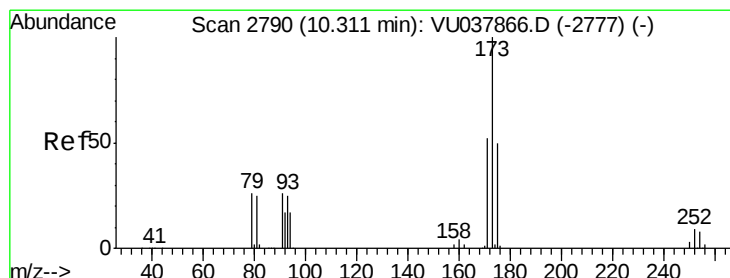
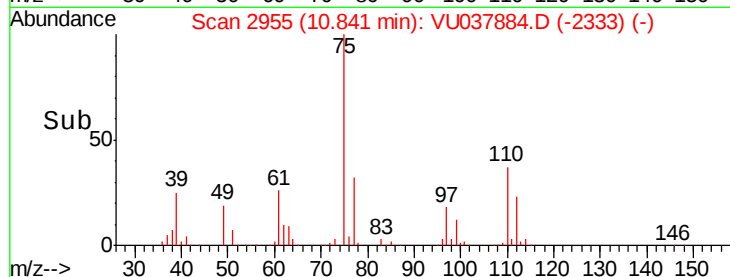
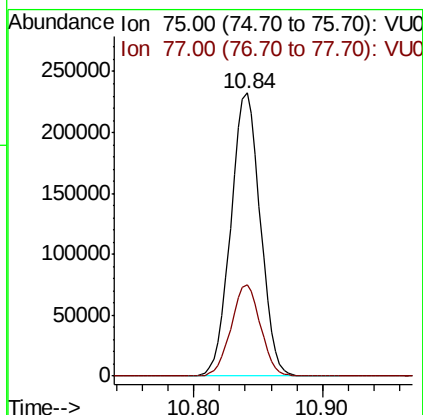
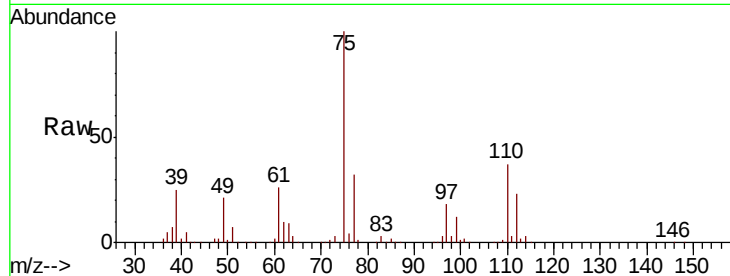
Ion 131.00 (130.70 to 131.70): V





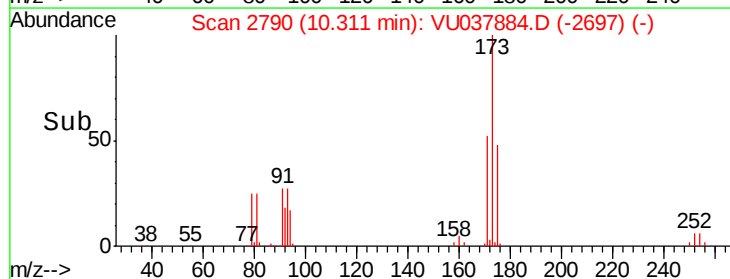
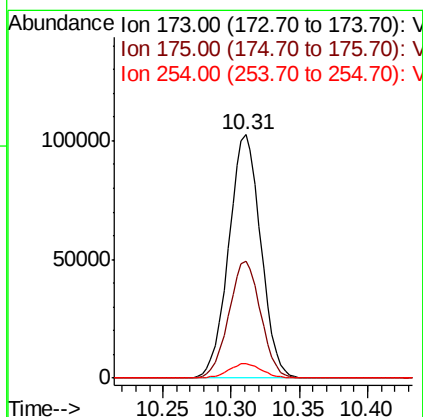
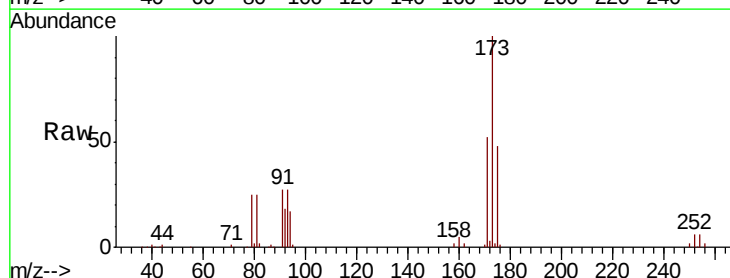
#59
 1,2,3-Trichloropropane
 Concen: 51.666 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. -0.00 min
 Lab File: VU037884.D
 Acq: 28 Apr 2020 15:14

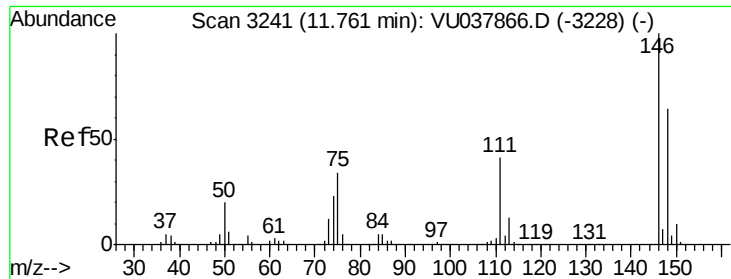
Tot Ion: 75 Resp: 368949
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.6



#61
 Bromoform
 Concen: 48.933 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VU037884.D
 Acq: 28 Apr 2020 15:14

Tgt Ion: 173 Resp: 167507
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.8 58.2
 254 6.1 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 52.445 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

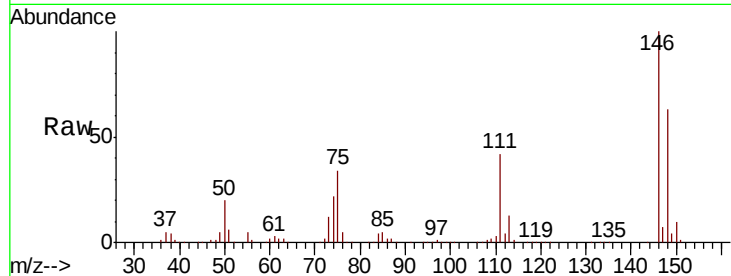
Tot Ion:146 Resp: 499468

Ion Ratio Lower Upper

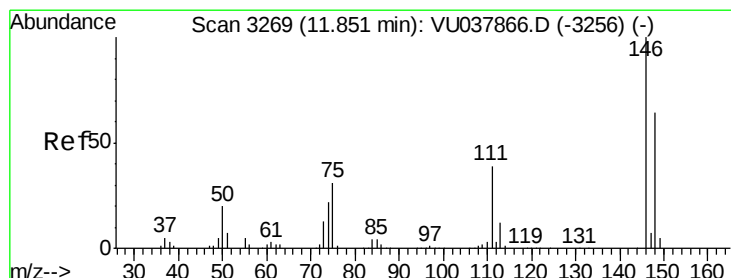
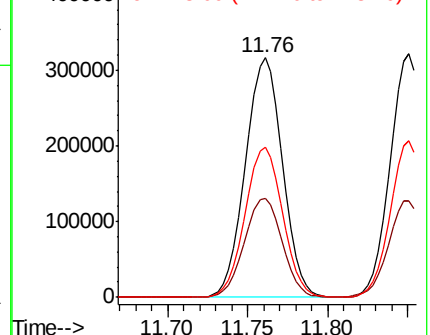
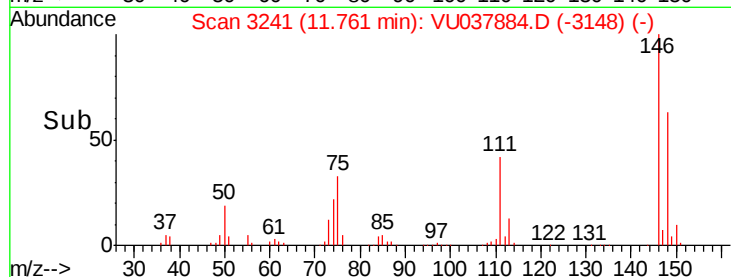
146 100

111 41.6 29.0 53.9

148 62.7 44.5 82.7



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: 52.361 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

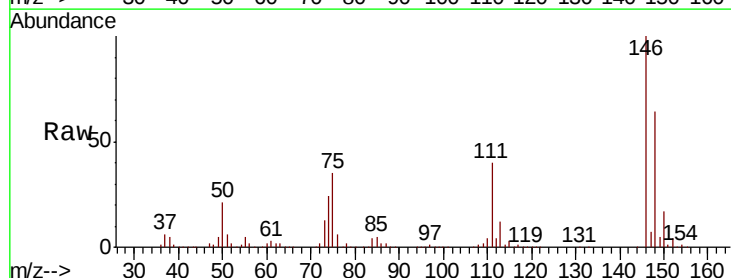
Tgt Ion:146 Resp: 503314

Ion Ratio Lower Upper

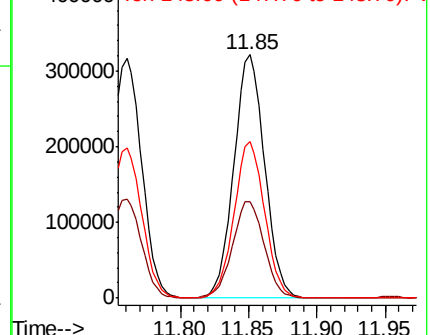
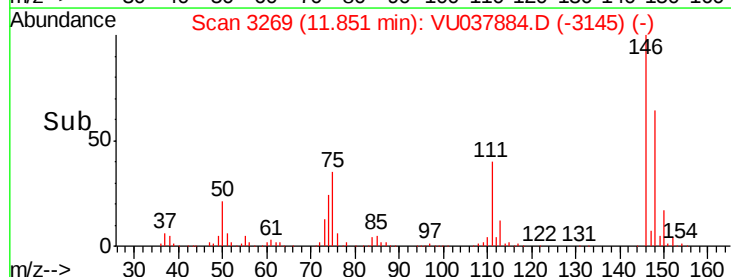
146 100

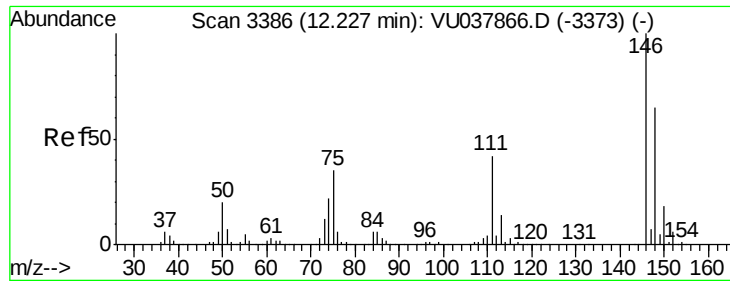
111 39.7 27.2 50.4

148 64.1 43.9 81.5



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





#65

1,2-Dichlorobenzene

Concen: 53.490 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

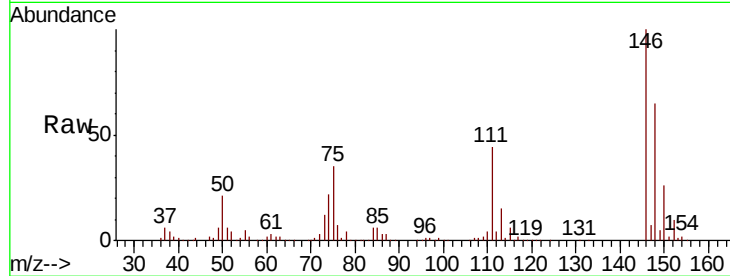
Tot Ion:146 Resp: 495023

Ion Ratio Lower Upper

146 100

111 44.3 35.4 53.2

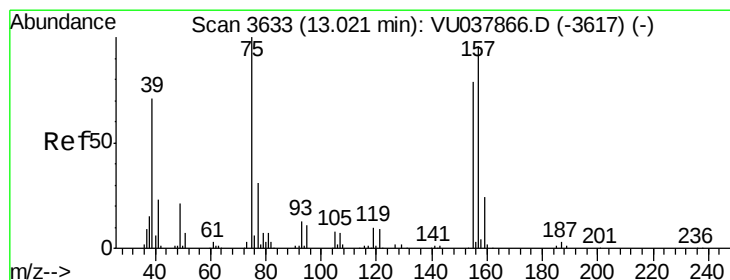
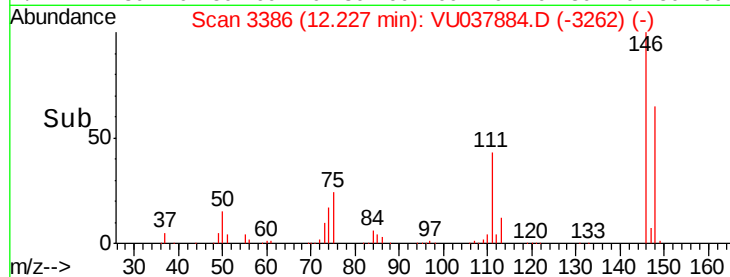
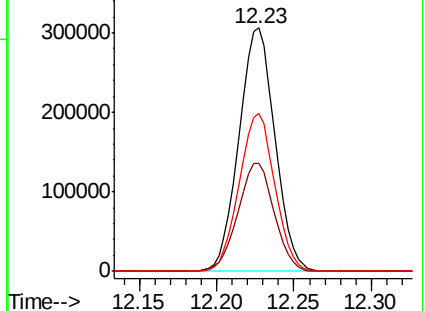
148 64.8 49.8 74.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 51.594 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU037884.D

Acq: 28 Apr 2020 15:14

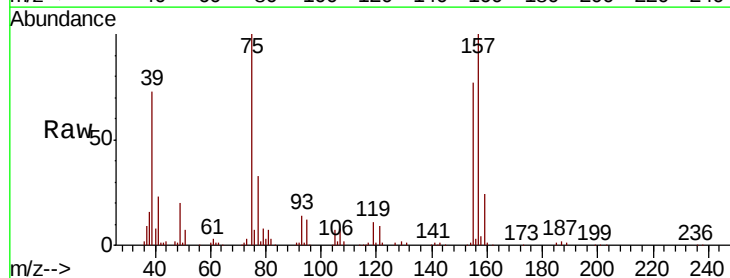
Tgt Ion: 75 Resp: 106413

Ion Ratio Lower Upper

75 100

155 77.4 59.6 89.4

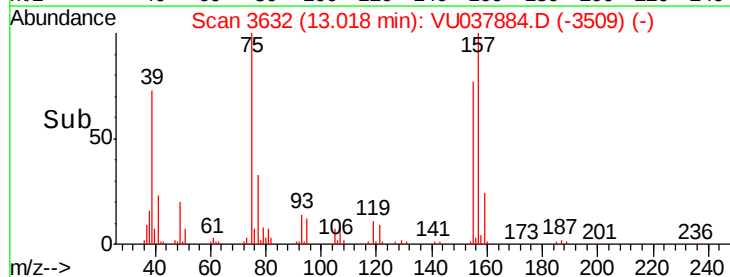
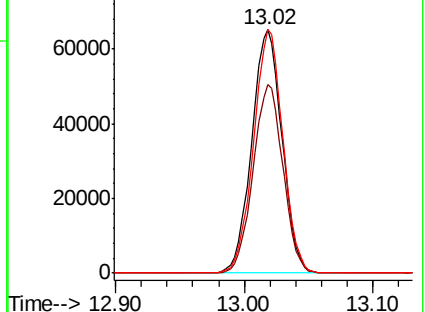
157 100.2 77.2 115.8

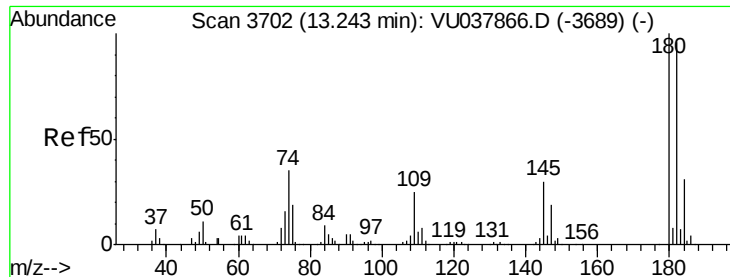


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

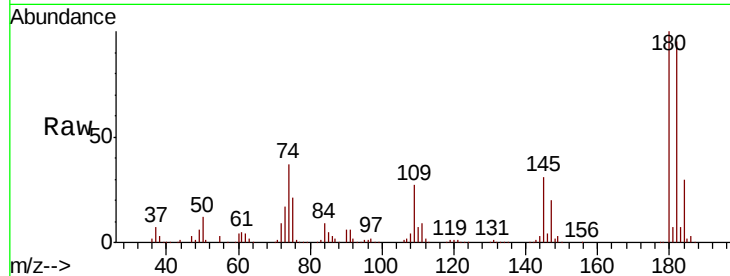
Ion 157.00 (156.70 to 157.70): V



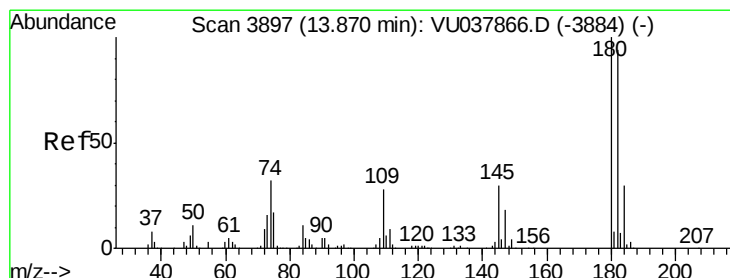
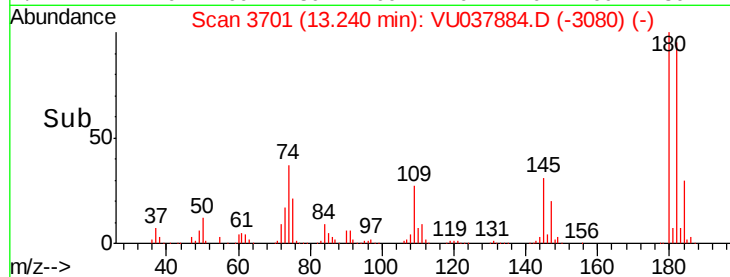
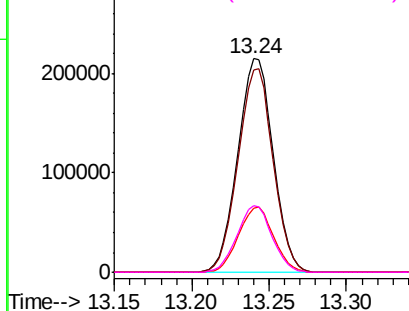


#67
 1,3,5-Trichlorobenzene
 Concen: 49.394 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU037884.D
 Acq: 28 Apr 2020 15:14

Tot Ion:180	Resp:	341862
Ion Ratio	Lower	Upper
180	100	
182	94.7	76.5 114.7
184	30.3	24.2 36.4
145	30.7	24.2 36.4

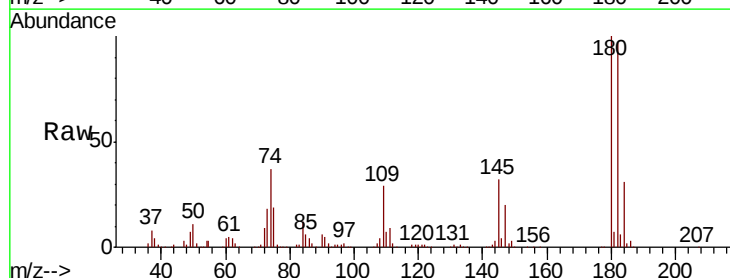


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

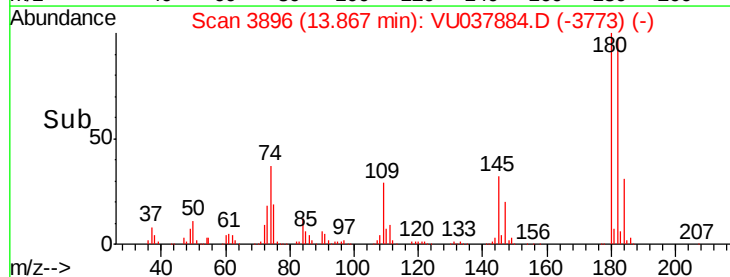
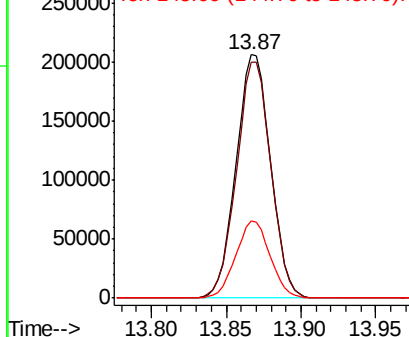


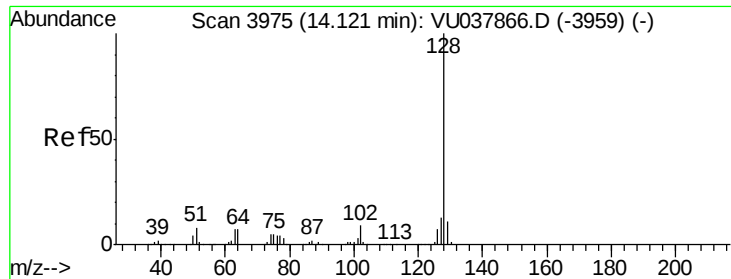
#68
 1,2,4-trichlorobenzene
 Concen: 49.248 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU037884.D
 Acq: 28 Apr 2020 15:14

Tgt Ion:180	Resp:	331502
Ion Ratio	Lower	Upper
180	100	
182	96.6	76.9 115.3
145	31.6	23.8 35.8



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

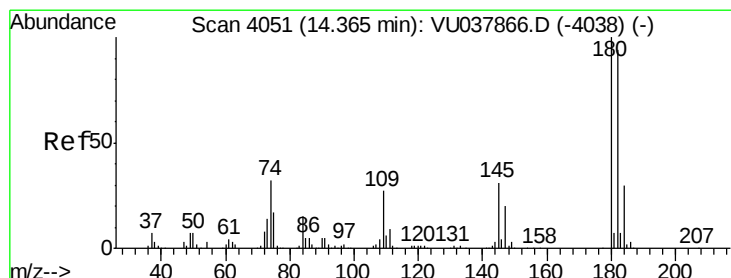
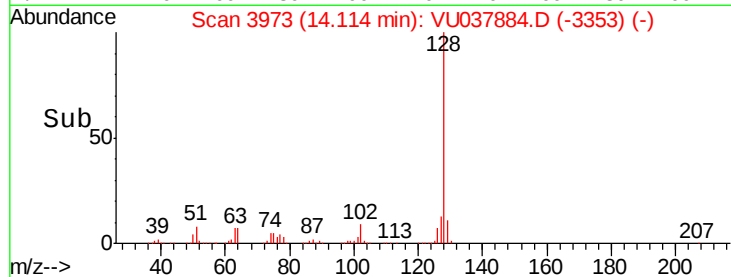
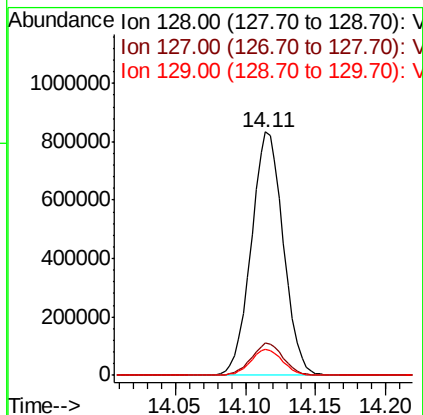
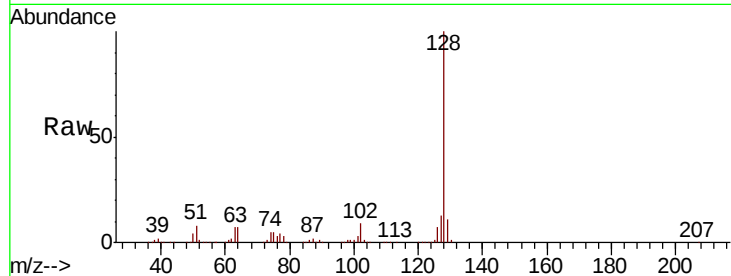




#69
Naphthalene
Concen: 54.845 ug/L
RT: 14.11 min Scan# 3973
Delta R.T. -0.01 min
Lab File: VU037884.D
Acq: 28 Apr 2020 15:14

Tot Ion:128 Resp: 1323849

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.7	8.6	13.0



#70
1,2,3-Trichlorobenzene
Concen: 51.346 ug/L
RT: 14.36 min Scan# 4050
Delta R.T. -0.00 min
Lab File: VU037884.D
Acq: 28 Apr 2020 15:14

Tgt Ion:180 Resp: 341294

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
145	33.9	26.1	39.1

