

Data File : VU029701.D
Acq On : 27 Feb 2019 12:49
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 28 00:49:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 27 01:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	487642	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	477119	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	255081	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	171469	47.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.98%
7) Chloroethane-d5	1.68	69	140287	44.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.32%
11) 1,1-Dichloroethene-d2	2.27	63	308469	44.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.32%
21) 2-Butanone-d5	4.17	46	247638	113.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.88%
24) Chloroform-d	4.64	84	303356	52.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.68%
26) 1,2-Dichloroethane-d4	5.31	65	186947	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.90%
32) Benzene-d6	5.34	84	652096	54.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.64%
36) 1,2-Dichloropropane-d6	6.33	67	195233	54.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.10%
41) Toluene-d8	7.56	98	635423	51.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.72%
43) trans-1,3-Dichloropropene-	7.85	79	96724	50.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.96%
47) 2-Hexanone-d5	8.31	63	209836	104.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	308072	50.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	272129	49.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	163624	48.937	ug/L	99
3) Chloromethane	1.32	50	150026	51.147	ug/L	97
5) Vinyl chloride	1.40	62	183474	46.057	ug/L	100
6) Bromomethane	1.62	94	114686	63.082	ug/L	100
8) Chloroethane	1.69	64	111823	42.204	ug/L	98
9) Trichlorofluoromethane	1.88	101	256963	40.466	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	155401	45.750	ug/L	99
12) 1,1-Dichloroethene	2.28	96	143008	44.285	ug/L	92
13) Acetone	2.32	43	240510	103.506	ug/L	99
14) Carbon disulfide	2.47	76	420725	49.747	ug/L	99
15) Methyl Acetate	2.61	43	167157	55.423	ug/L	99
16) Methylene chloride	2.70	84	162320	51.946	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	155114	52.042	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	470275	50.963	ug/L	98
19) 1,1-Dichloroethane	3.44	63	268184	52.036	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	177436	51.234	ug/L	97
22) 2-Butanone	4.26	43	277476	104.635	ug/L	100

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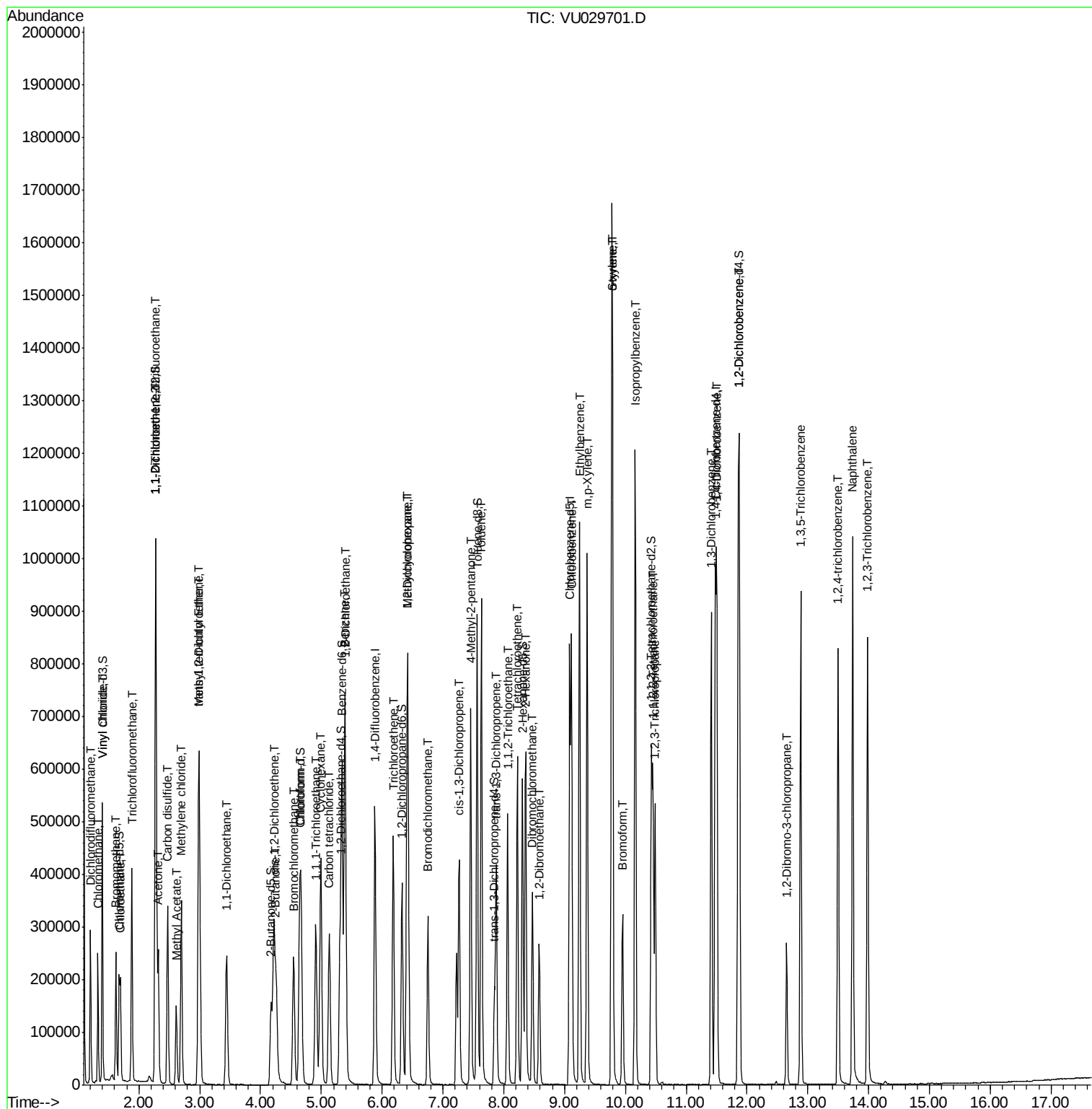
Quant Time: Feb 28 00:49:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
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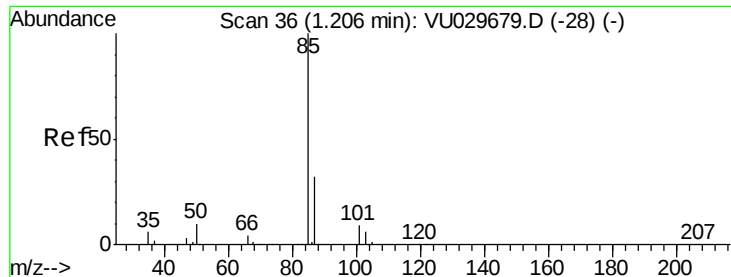
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	94256	49.647	ug/L	96
25) Chloroform	4.67	83	292432	50.856	ug/L	98
27) 1,2-Dichloroethane	5.40	62	210684	47.655	ug/L	97
29) Cyclohexane	4.99	56	240150	50.862	ug/L	96
30) 1,1,1-Trichloroethane	4.91	97	244913	48.412	ug/L	99
31) Carbon tetrachloride	5.13	117	216470	47.276	ug/L	98
33) Benzene	5.39	78	630779	51.565	ug/L	100
34) Trichloroethene	6.18	95	167031	50.687	ug/L	99
35) Methylcyclohexane	6.41	83	280315	51.222	ug/L	98
37) 1,2-Dichloropropane	6.43	63	163831	51.020	ug/L	99
38) Bromodichloromethane	6.75	83	216075	49.913	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	265816	51.308	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	460362	101.951	ug/L	99
42) Toluene	7.63	91	707400	48.900	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	243439	49.858	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	168271	49.164	ug/L	98
46) Tetrachloroethene	8.22	164	151714	47.037	ug/L	99
48) 2-Hexanone	8.36	43	388462	98.478	ug/L	97
49) Dibromochloromethane	8.47	129	193973	46.748	ug/L	99
50) 1,2-Dibromoethane	8.58	107	186289	49.126	ug/L	98
51) Chlorobenzene	9.12	112	479081	48.251	ug/L	98
52) Ethylbenzene	9.25	91	787235	47.915	ug/L	100
53) m,p-Xylene	9.37	106	312777	47.425	ug/L	98
54) o-xylene	9.77	106	308513	46.570	ug/L	100
55) Styrene	9.79	104	526074	47.041	ug/L	96
56) Isopropylbenzene	10.16	105	806978	46.551	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	294847	48.716	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	220653	48.194	ug/L	100
61) Bromoform	9.95	173	155475	45.261	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	399242	49.089	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	408155	49.869	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	409375	48.221	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	66064	50.006	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	315756	50.877	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	281076	52.362	ug/L	99
69) Naphthalene	13.74	128	893963	54.181	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	289889	50.854	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 48.937 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU029701.D

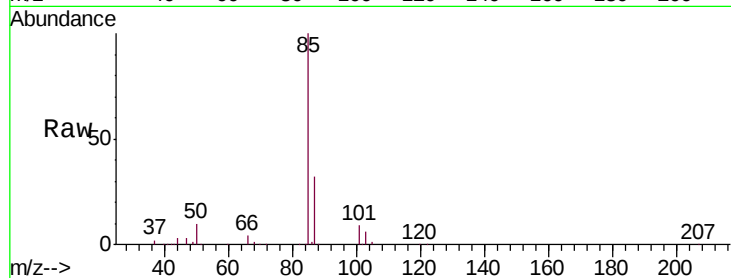
Acq: 27 Feb 2019 12:49

Tgt Ion: 85 Resp: 163624

Ion Ratio Lower Upper

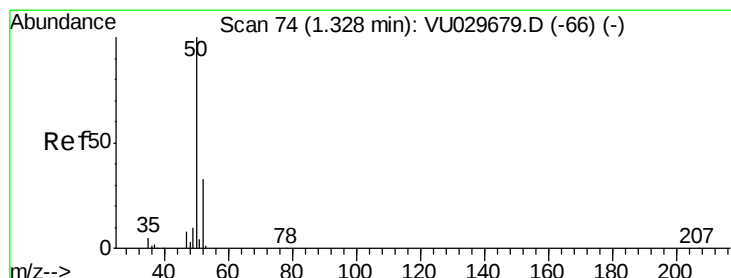
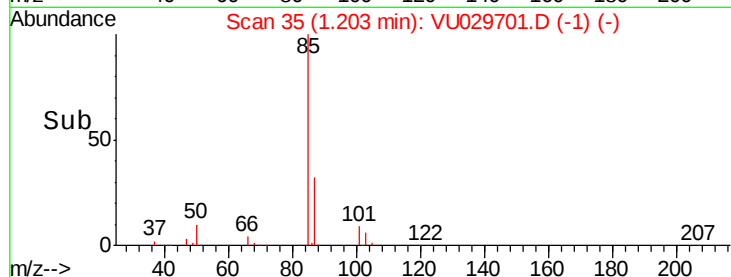
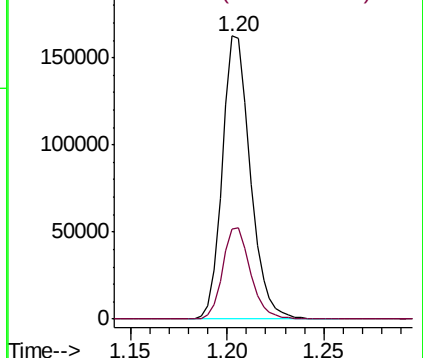
85 100

87 32.0 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 51.147 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029701.D

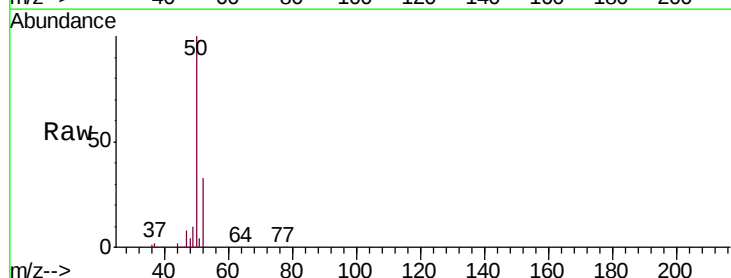
Acq: 27 Feb 2019 12:49

Tgt Ion: 50 Resp: 150026

Ion Ratio Lower Upper

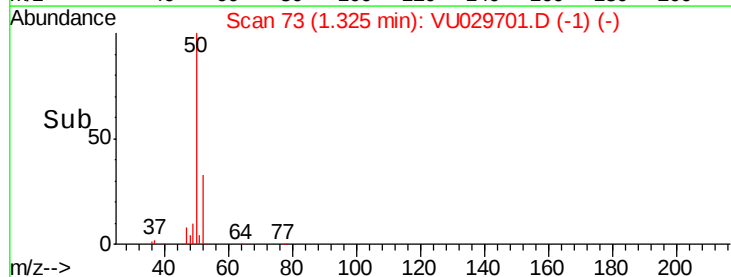
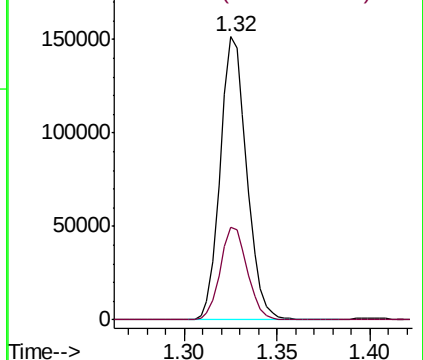
50 100

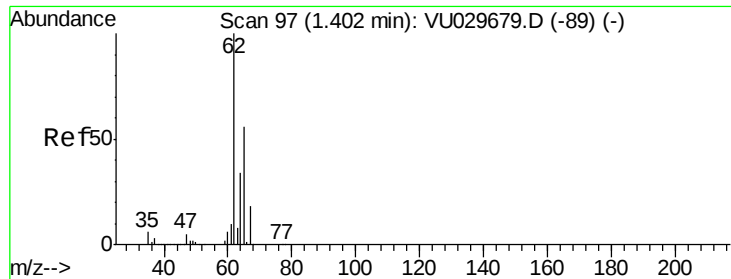
52 32.7 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 46.057 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029701.D

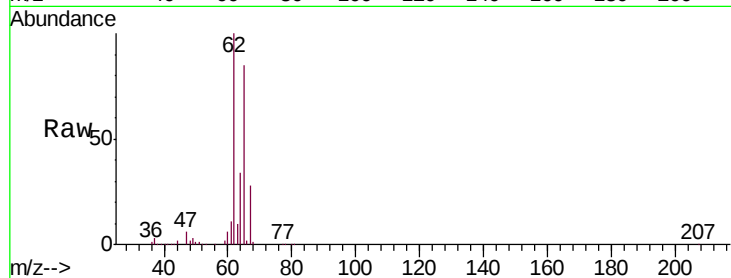
Acq: 27 Feb 2019 12:49

Tgt Ion: 62 Resp: 183474

Ion Ratio Lower Upper

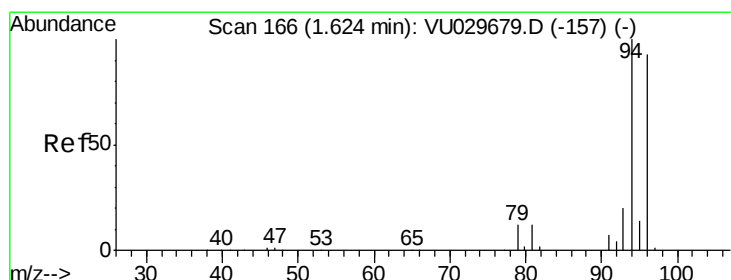
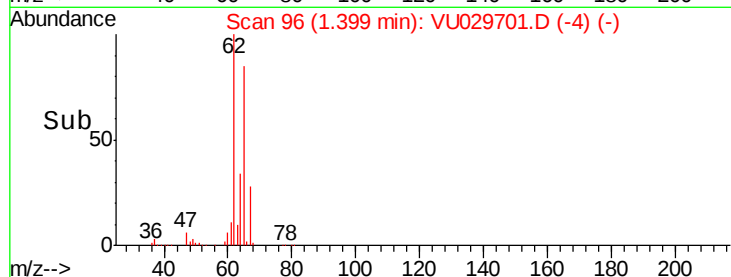
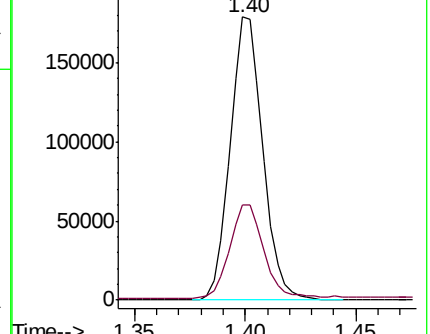
62 100

64 33.8 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 63.082 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU029701.D

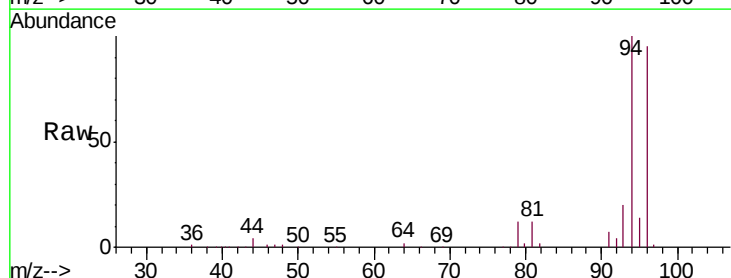
Acq: 27 Feb 2019 12:49

Tgt Ion: 94 Resp: 114686

Ion Ratio Lower Upper

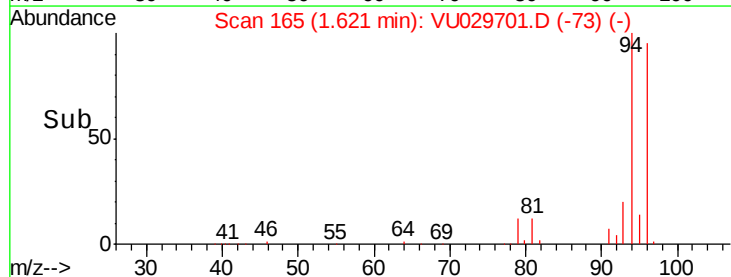
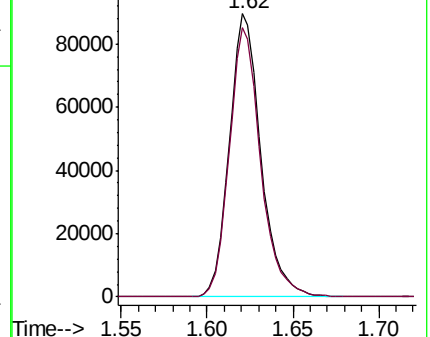
94 100

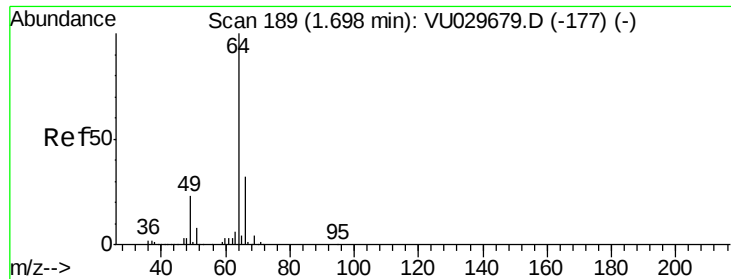
96 95.1 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 42.204 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU029701.D

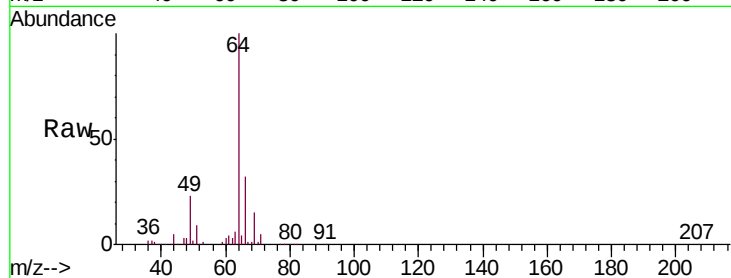
Acq: 27 Feb 2019 12:49

Tgt Ion: 64 Resp: 111823

Ion Ratio Lower Upper

64 100

66 32.4 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.69

100000

80000

60000

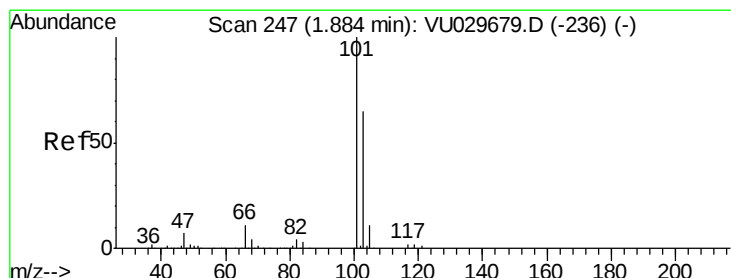
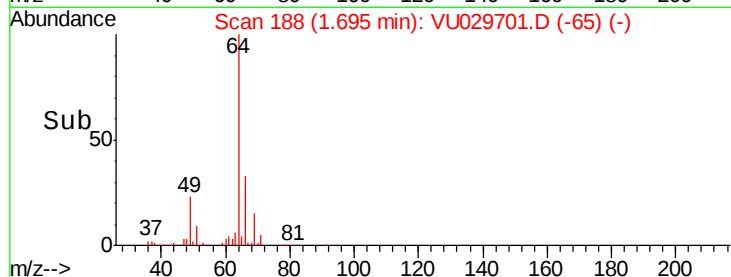
40000

20000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 40.466 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU029701.D

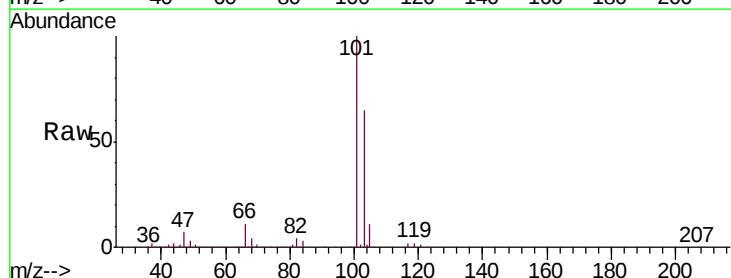
Acq: 27 Feb 2019 12:49

Tgt Ion: 101 Resp: 256963

Ion Ratio Lower Upper

101 100

103 64.9 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.88

200000

150000

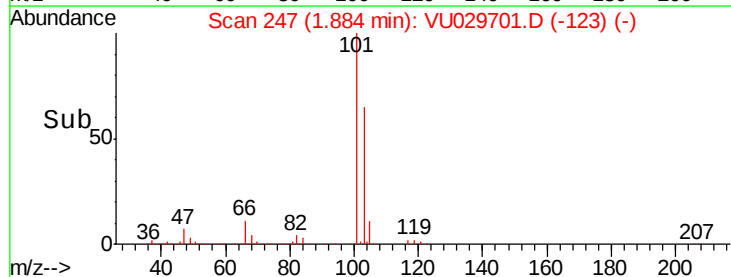
100000

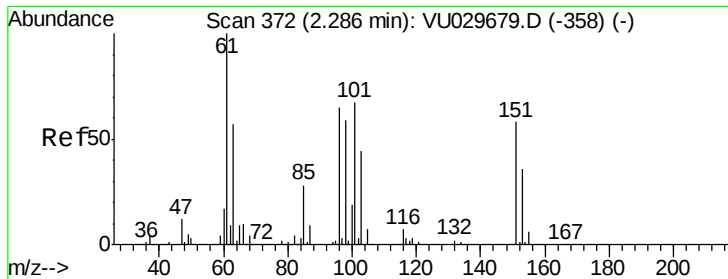
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 45.750 ug/L

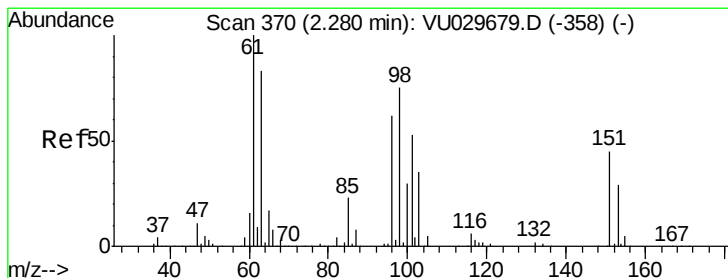
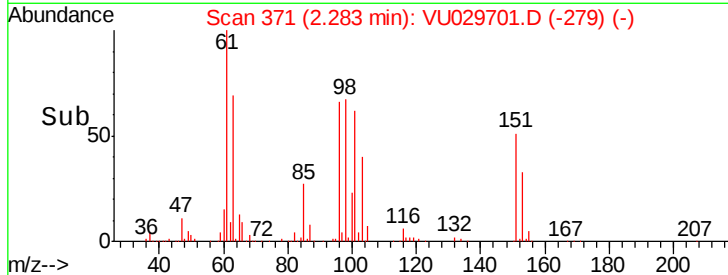
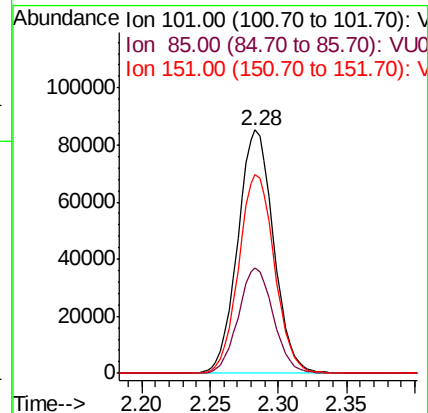
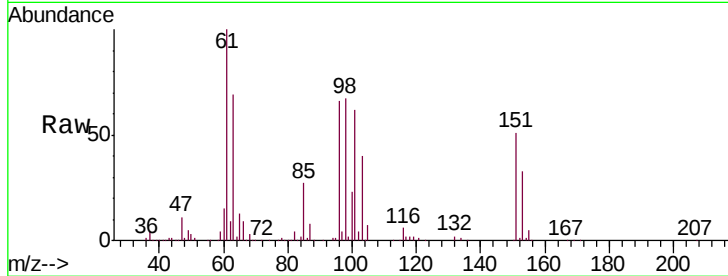
RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

Tgt Ion:	101	Resp:	155401
Ion	Ratio	Lower	Upper
101	100		
85	42.4	33.0	49.6
151	81.8	65.7	98.5



#12

1,1-Dichloroethene

Concen: 44.285 ug/L

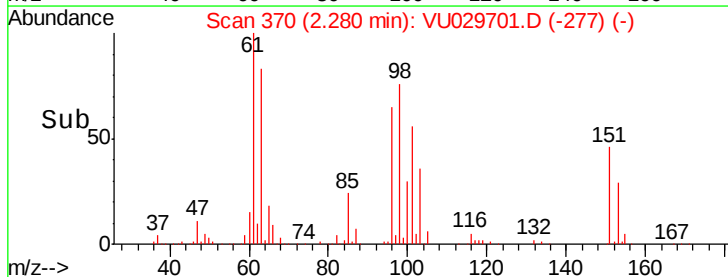
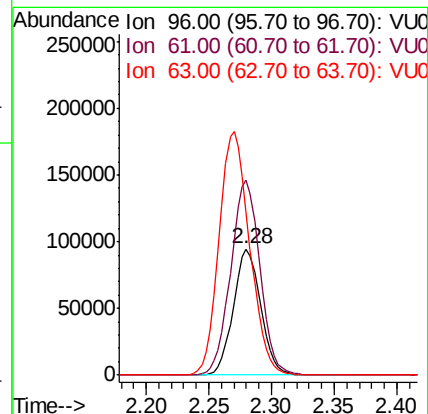
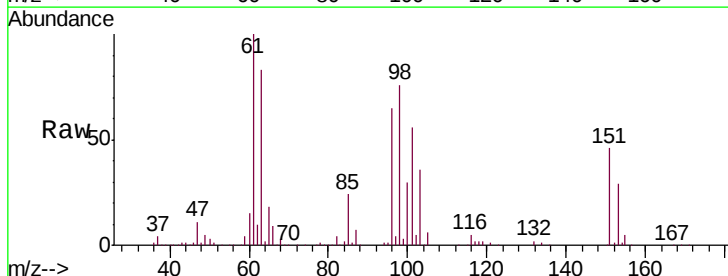
RT: 2.28 min Scan# 370

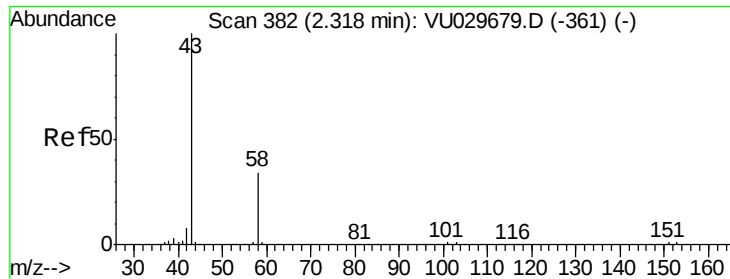
Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

Tgt Ion:	96	Resp:	143008
Ion	Ratio	Lower	Upper
96	100		
61	154.5	114.0	211.8
63	128.8	98.7	183.3





#13

Acetone

Concen: 103.506 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU029701.D

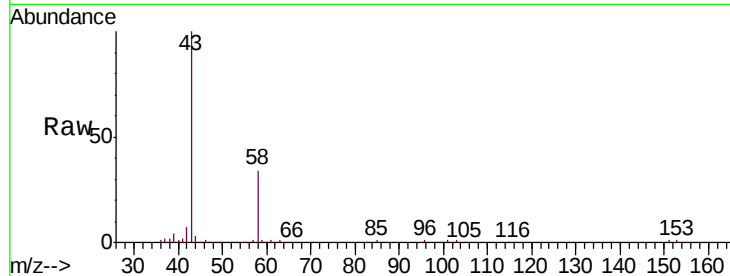
Acq: 27 Feb 2019 12:49

Tgt Ion: 43 Resp: 240510

Ion Ratio Lower Upper

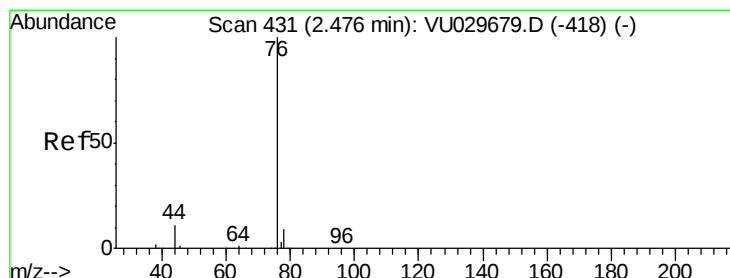
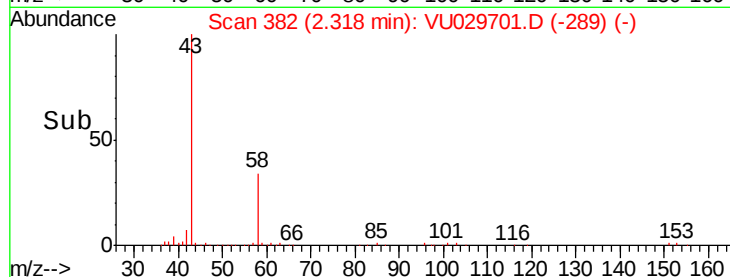
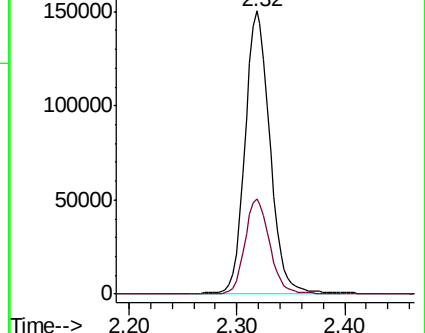
43 100

58 33.8 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU029679.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU029679.D (-361) (-)



#14

Carbon disulfide

Concen: 49.747 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029701.D

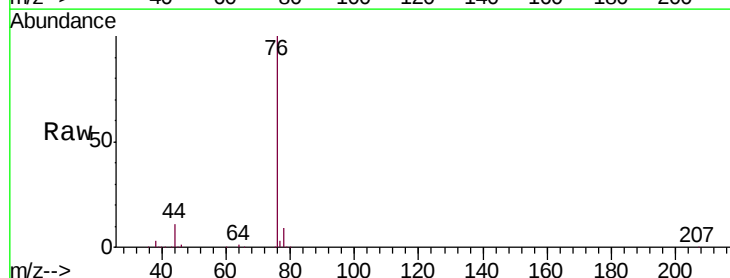
Acq: 27 Feb 2019 12:49

Tgt Ion: 76 Resp: 420725

Ion Ratio Lower Upper

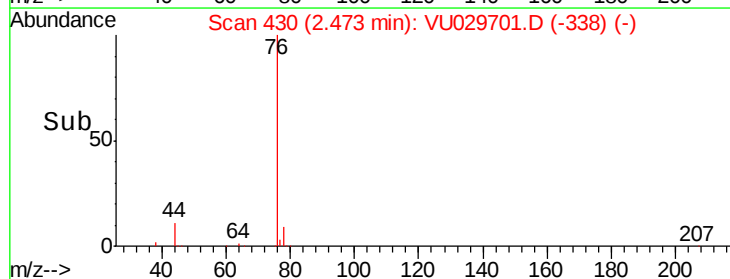
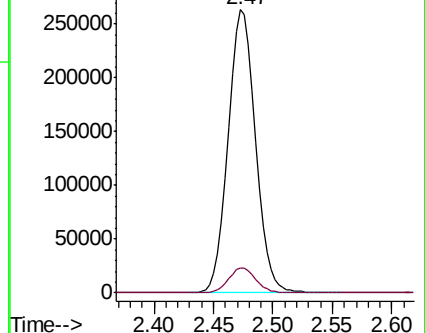
76 100

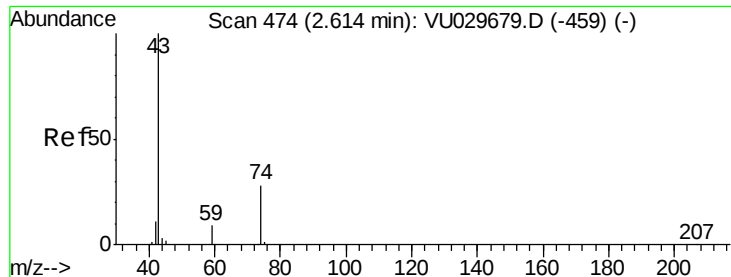
78 8.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU029679.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU029679.D (-418) (-)





#15

Methyl Acetate

Concen: 55.423 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.00 min

Lab File: VU029701.D

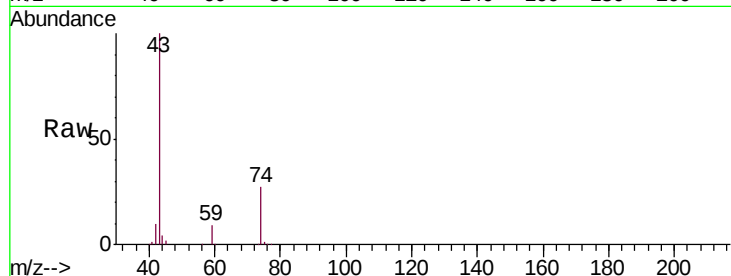
Acq: 27 Feb 2019 12:49

Tgt Ion: 43 Resp: 167157

Ion Ratio Lower Upper

43 100

74 26.4 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VU029679.D (-459) (-)

Ion 74.00 (73.70 to 74.70): VU029679.D (-459) (-)

2.61

100000

80000

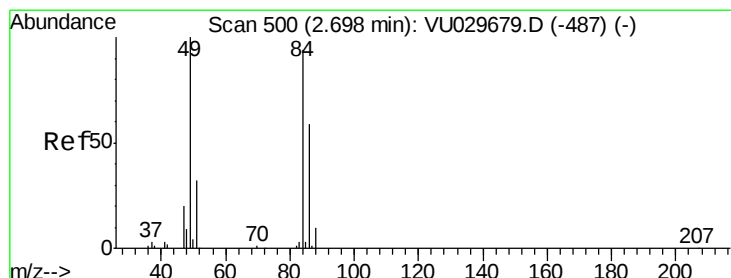
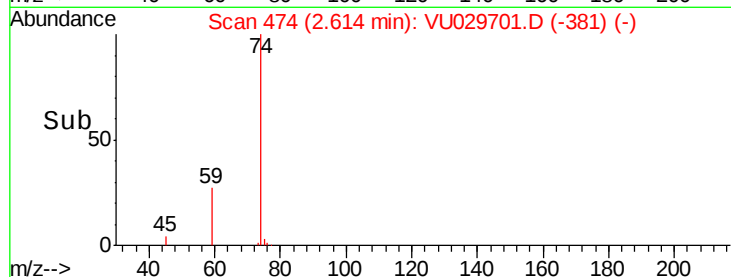
60000

40000

20000

0

Time-->



#16

Methylene chloride

Concen: 51.946 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

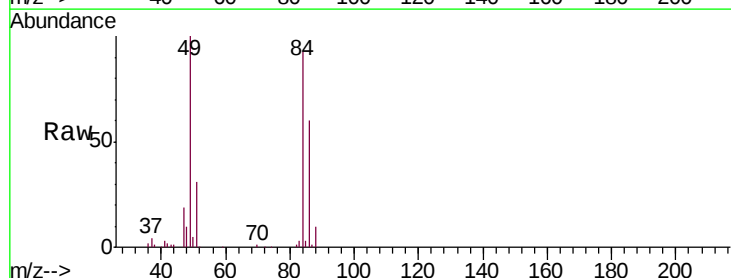
Tgt Ion: 84 Resp: 162320

Ion Ratio Lower Upper

84 100

86 64.4 45.8 85.0

49 107.3 75.1 139.5



Abundance Ion 84.00 (83.70 to 84.70): VU029679.D (-487) (-)

Ion 86.00 (85.70 to 86.70): VU029679.D (-487) (-)

Ion 49.00 (48.70 to 49.70): VU029679.D (-487) (-)

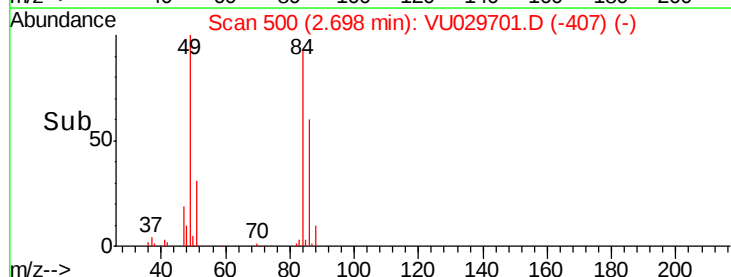
2.70

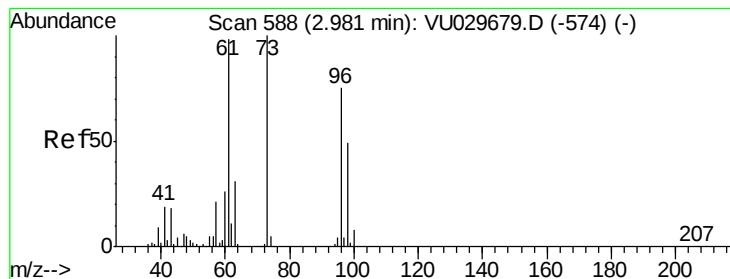
100000

50000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 52.042 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

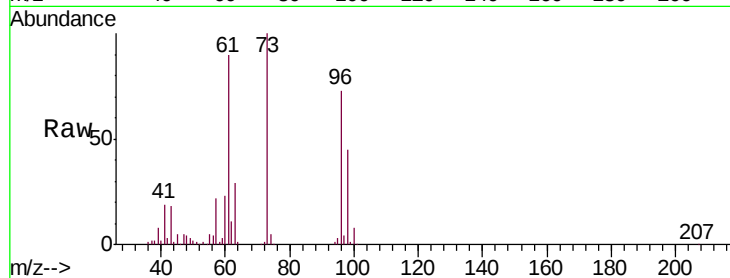
Tgt Ion: 96 Resp: 155114

Ion Ratio Lower Upper

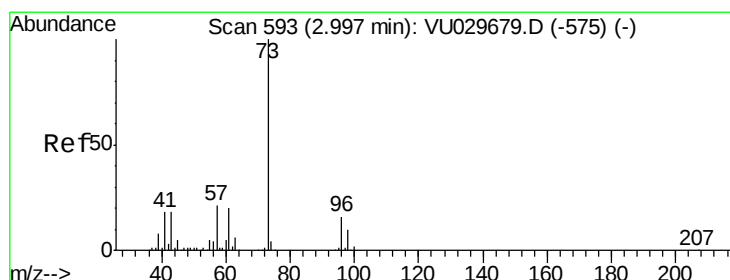
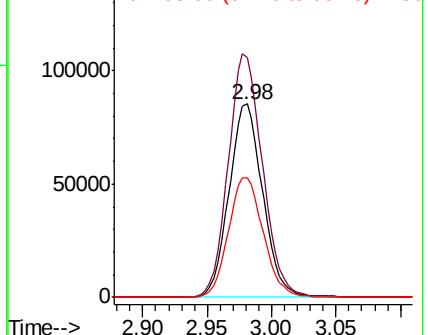
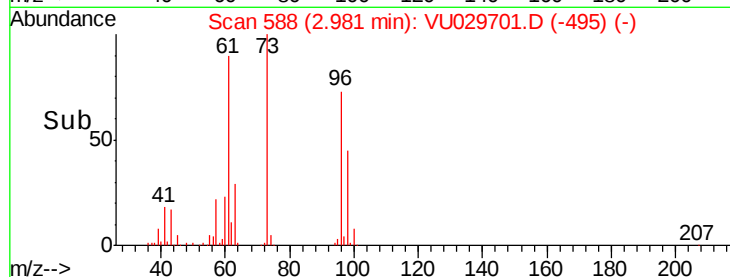
96 100

61 123.9 88.3 163.9

98 61.9 44.8 83.2



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



#18

Methyl tert-butyl Ether

Concen: 50.963 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

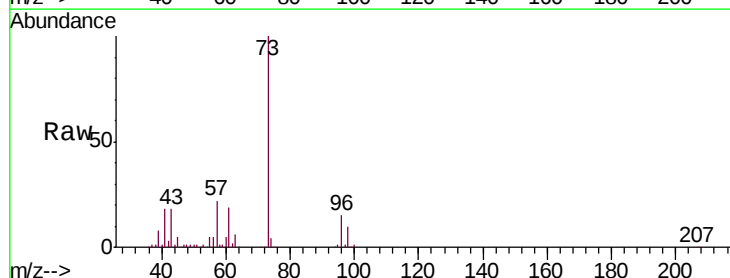
Tgt Ion: 73 Resp: 470275

Ion Ratio Lower Upper

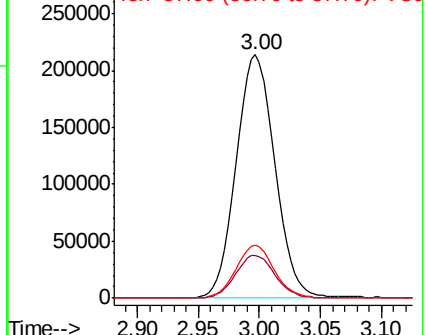
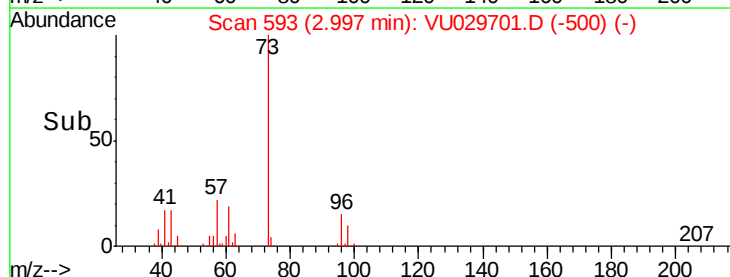
73 100

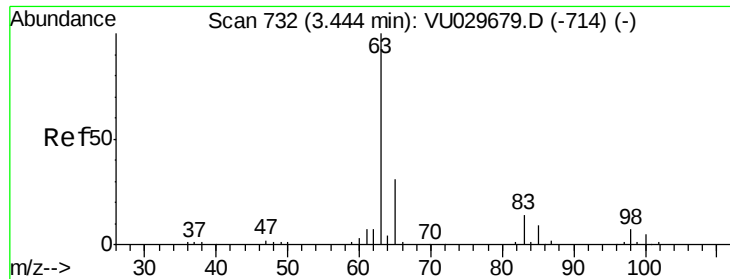
43 17.7 14.8 22.2

57 21.3 16.5 24.7



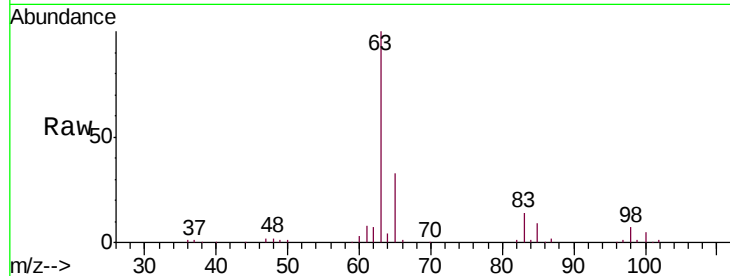
Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



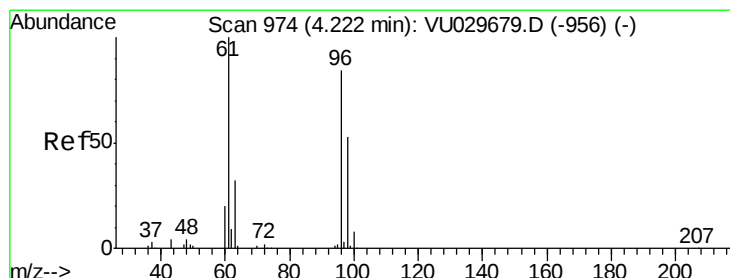
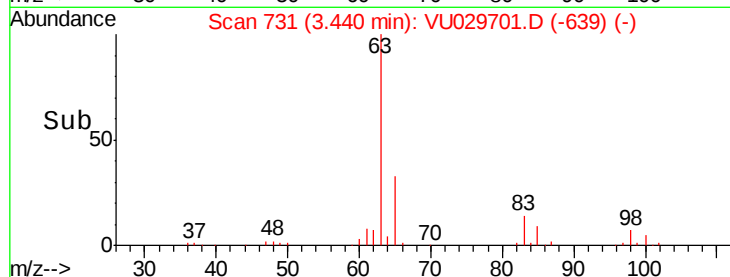
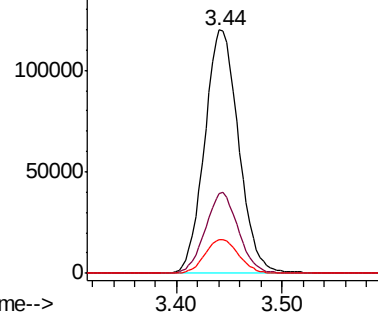


#19
 1,1-Dichloroethane
 Concen: 52.036 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU029701.D
 Acq: 27 Feb 2019 12:49

Tgt Ion:	63	Resp:	268184
Ion	Ratio	Lower	Upper
63	100		
65	32.9	22.3	41.3
83	13.8	9.9	18.3

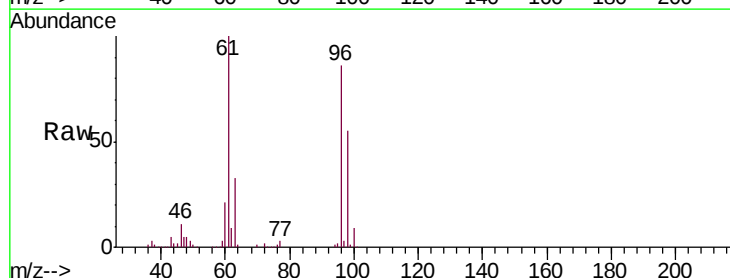


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

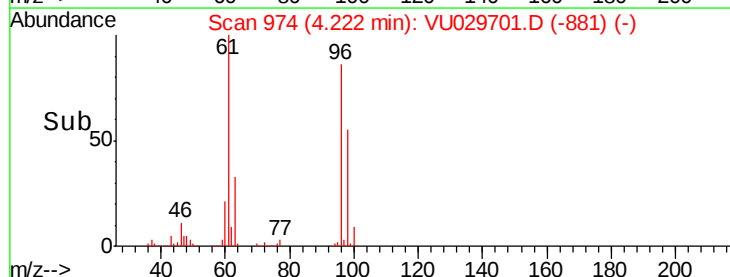
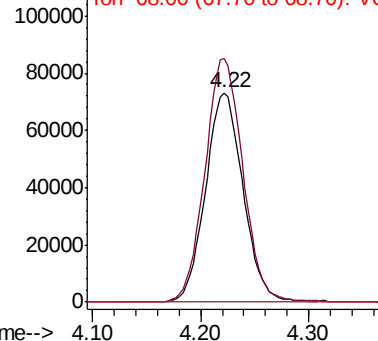


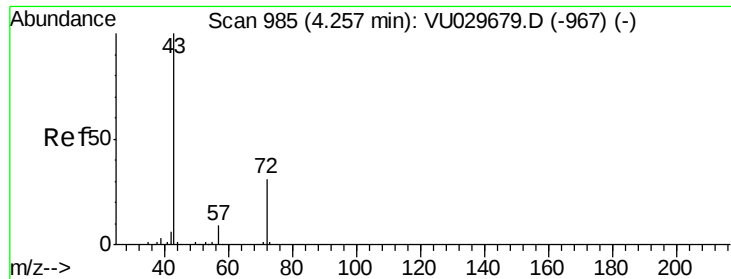
#20
 cis-1,2-Dichloroethene
 Concen: 51.234 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029701.D
 Acq: 27 Feb 2019 12:49

Tgt Ion:	96	Resp:	177436
Ion	Ratio	Lower	Upper
96	100		
61	116.2	83.9	155.7
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: 104.635 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU029701.D

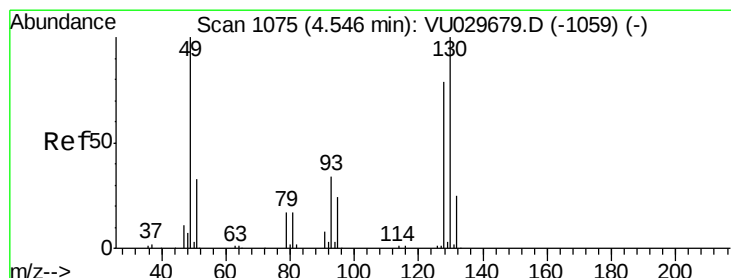
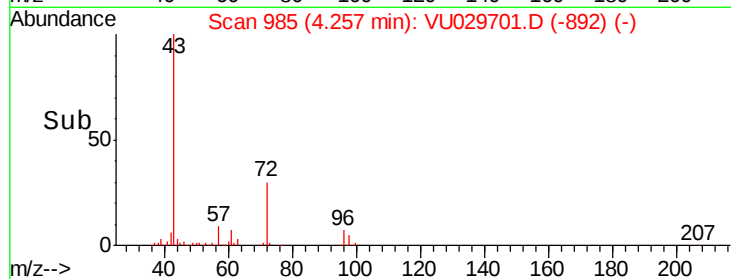
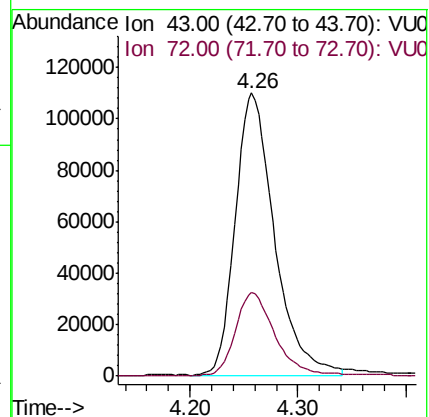
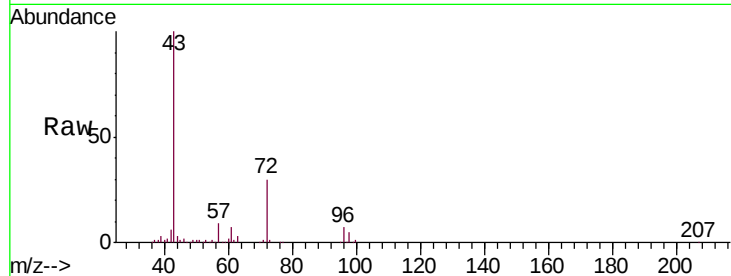
Acq: 27 Feb 2019 12:49

Tgt Ion: 43 Resp: 277476

Ion Ratio Lower Upper

43 100

72 30.4 15.2 45.6



#23

Bromochloromethane

Concen: 49.647 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

Tgt Ion: 128 Resp: 94256

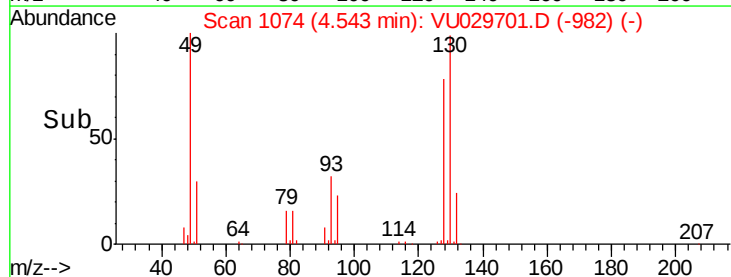
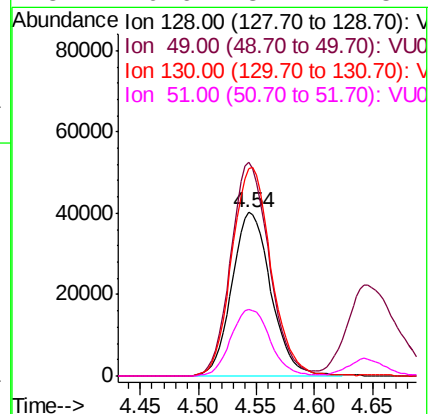
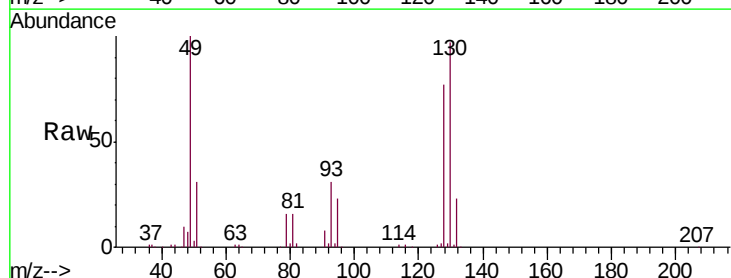
Ion Ratio Lower Upper

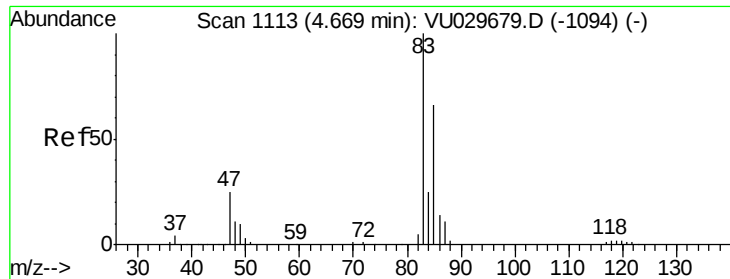
128 100

49 130.5 85.9 159.5

130 126.5 91.3 169.5

51 40.6 32.2 48.2





#25

Chloroform

Concen: 50.856 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU029701.D

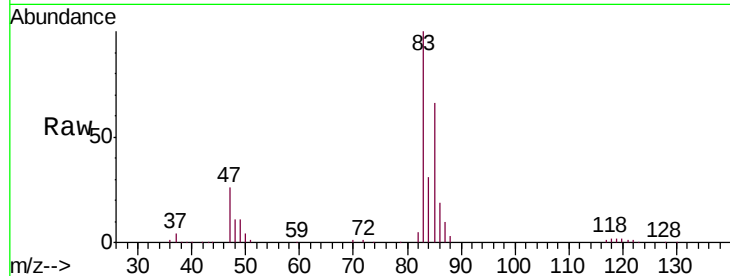
Acq: 27 Feb 2019 12:49

Tgt Ion: 83 Resp: 292432

Ion Ratio Lower Upper

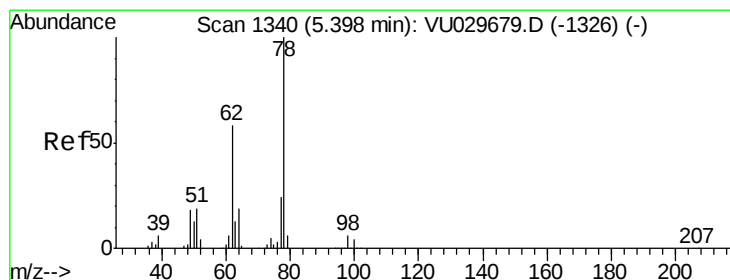
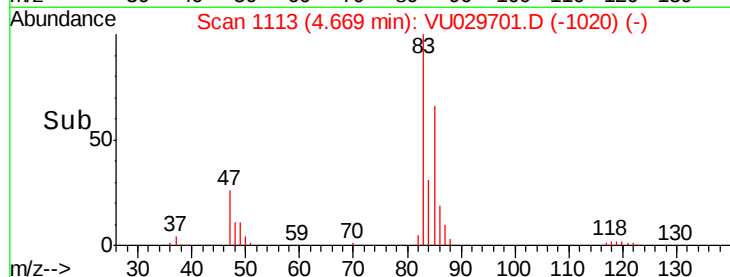
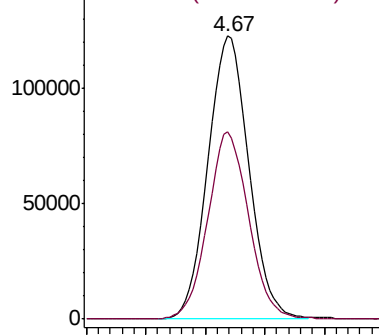
83 100

85 66.2 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 47.655 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU029701.D

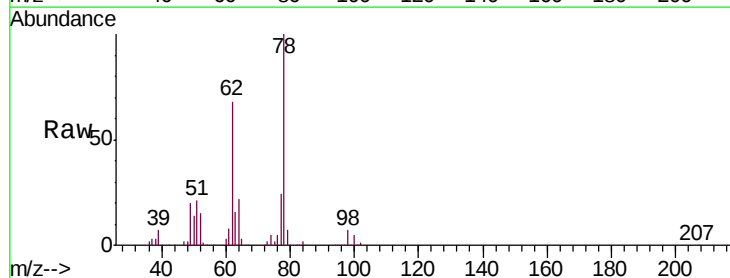
Acq: 27 Feb 2019 12:49

Tgt Ion: 62 Resp: 210684

Ion Ratio Lower Upper

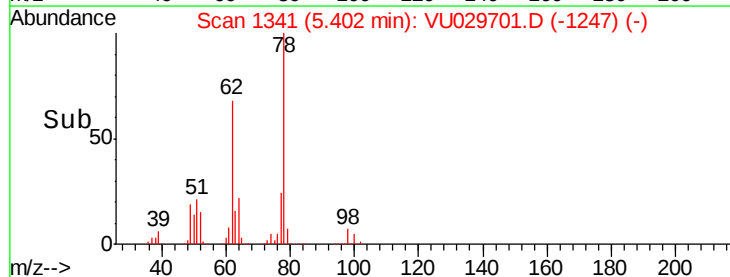
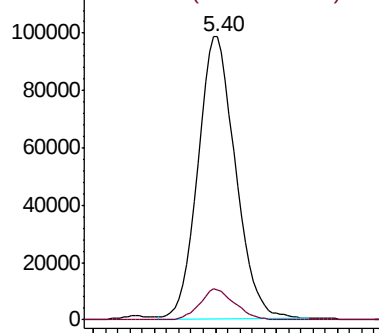
62 100

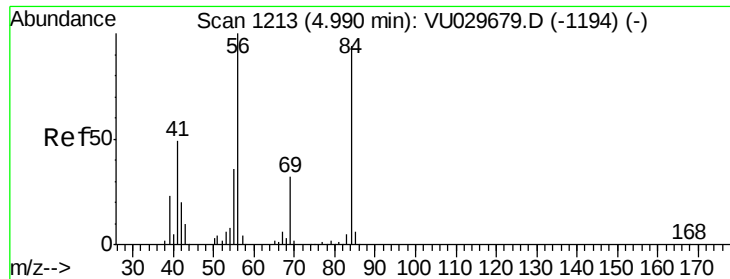
98 10.8 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#29

Cyclohexane

Concen: 50.862 ug/L

RT: 4.99 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

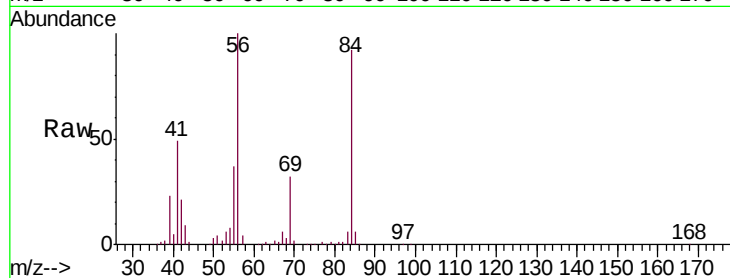
Tgt Ion: 56 Resp: 240150

Ion Ratio Lower Upper

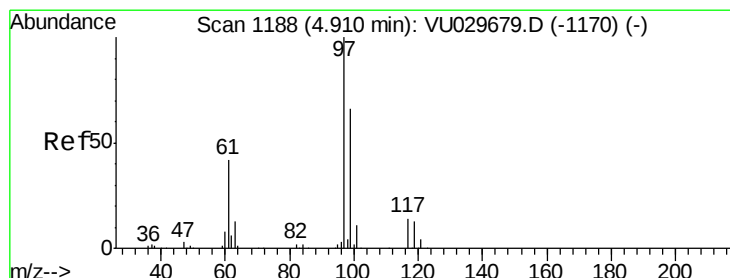
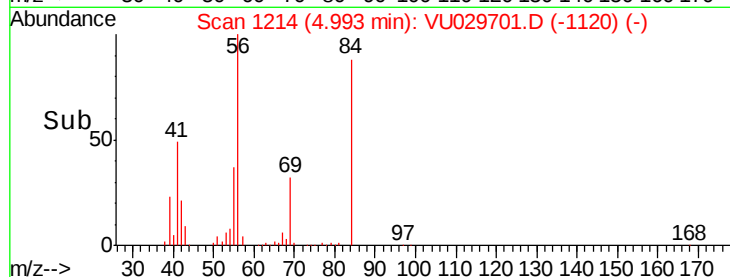
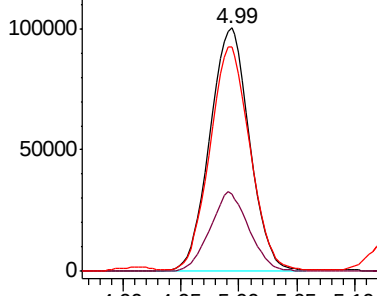
56 100

69 31.8 25.7 38.5

84 92.0 77.1 115.7



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



#30

1,1,1-Trichloroethane

Concen: 48.412 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

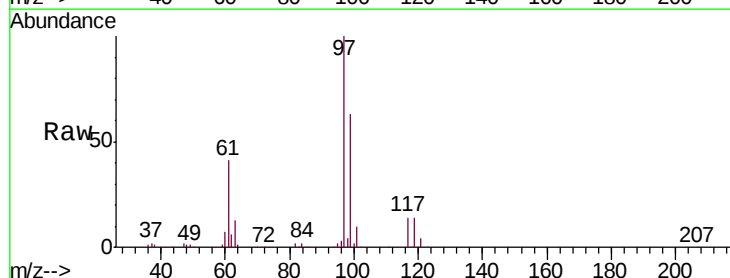
Tgt Ion: 97 Resp: 244913

Ion Ratio Lower Upper

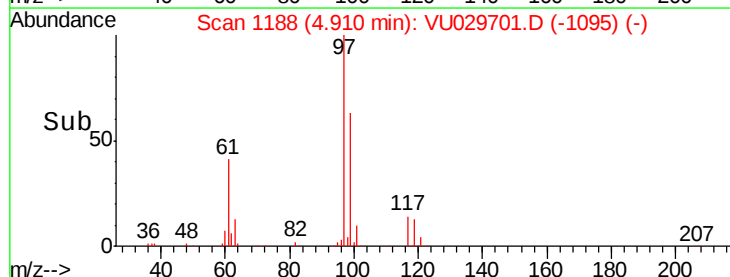
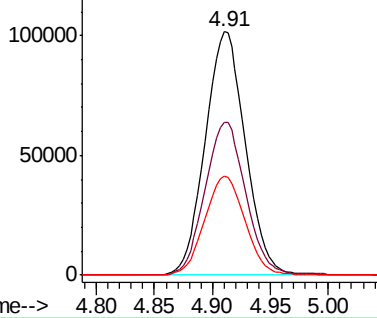
97 100

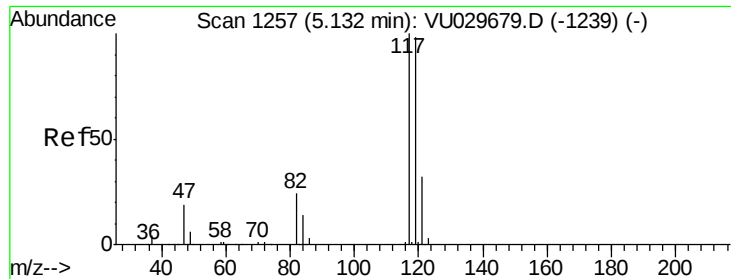
99 63.5 51.4 77.0

61 40.9 32.3 48.5



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





#31

Carbon tetrachloride

Concen: 47.276 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029701.D

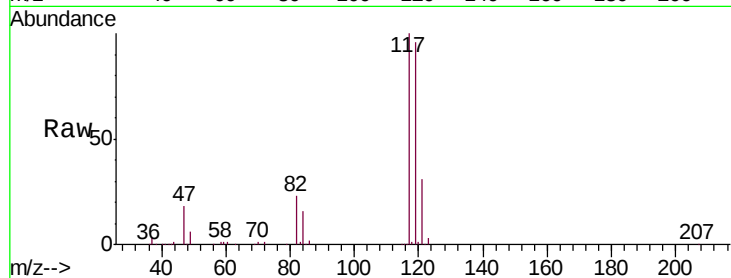
Acq: 27 Feb 2019 12:49

Tgt Ion: 117 Resp: 216470

Ion Ratio Lower Upper

117 100

119 94.9 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

100000

80000

60000

40000

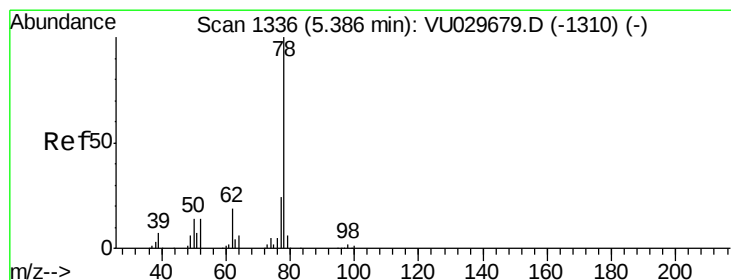
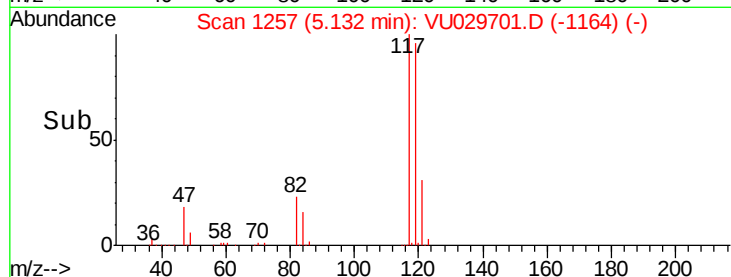
20000

0

5.13

5.10 5.15 5.20

Time-->



#33

Benzene

Concen: 51.565 ug/L

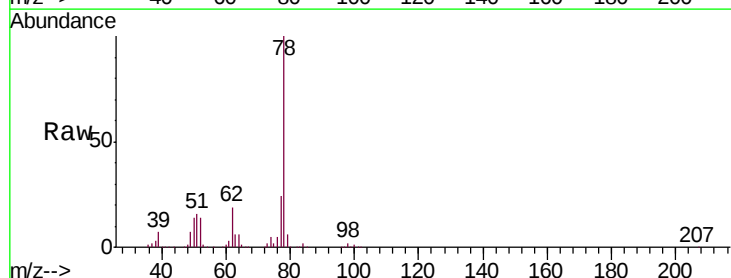
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

Tgt Ion: 78 Resp: 630779



Abundance Ion 78.00 (77.70 to 78.70): VU0

300000

200000

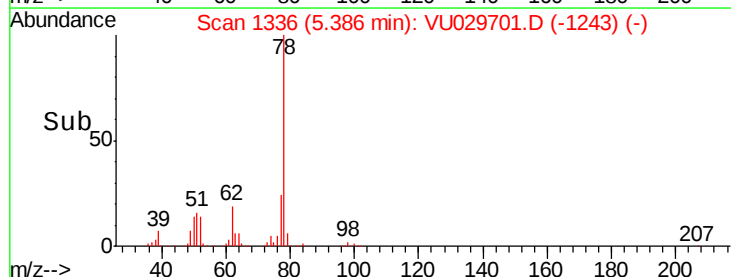
100000

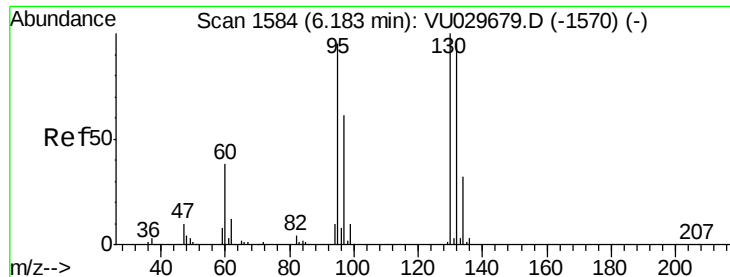
0

5.39

5.30 5.40 5.50

Time-->





#34

Trichloroethene

Concen: 50.687 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

Tgt Ion: 95 Resp: 167031

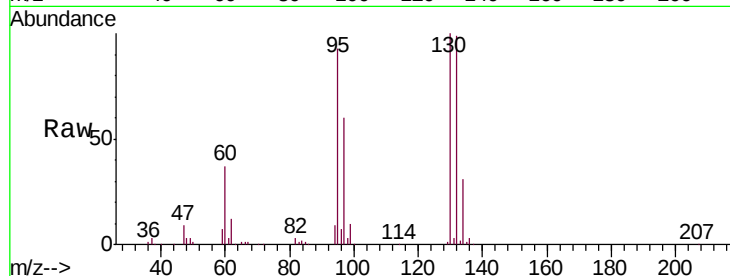
Ion Ratio Lower Upper

95 100

97 64.3 44.6 82.8

132 106.7 74.6 138.6

130 108.1 77.2 143.4

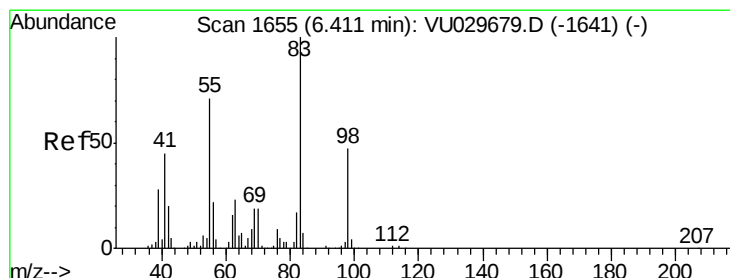
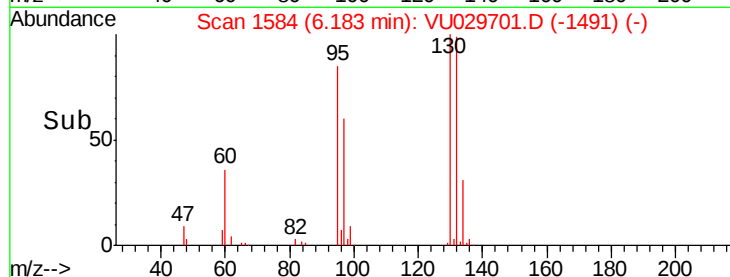
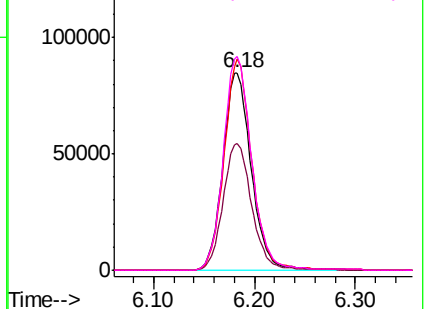


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 51.222 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

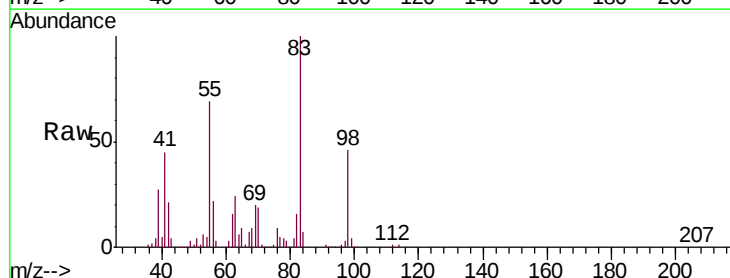
Tgt Ion: 83 Resp: 280315

Ion Ratio Lower Upper

83 100

55 69.8 55.2 82.8

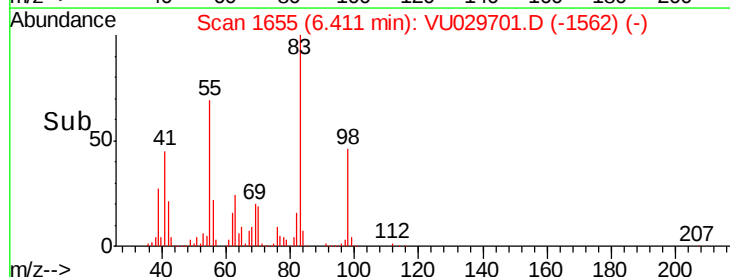
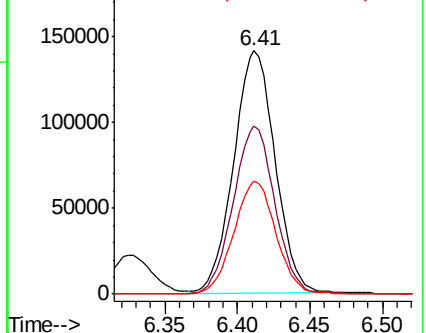
98 47.5 39.4 59.2

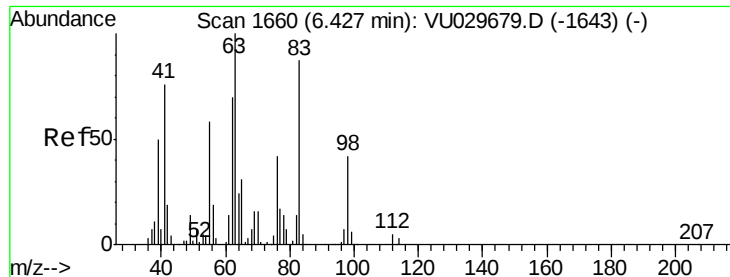


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 51.020 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU029701.D

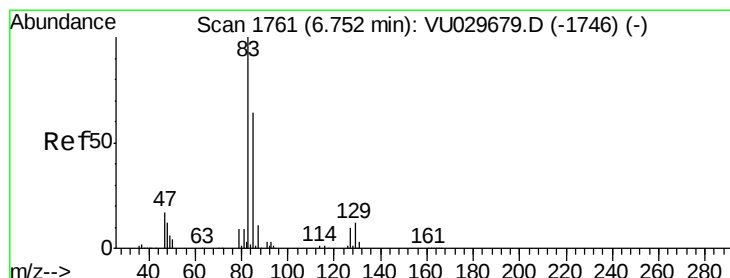
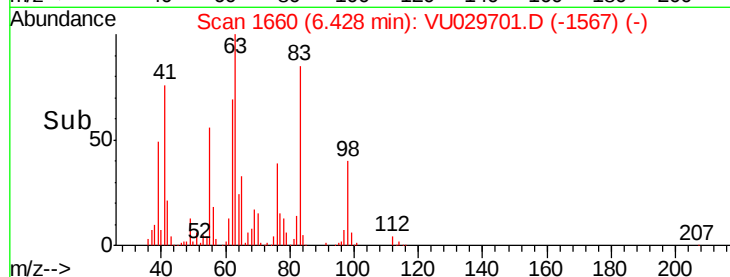
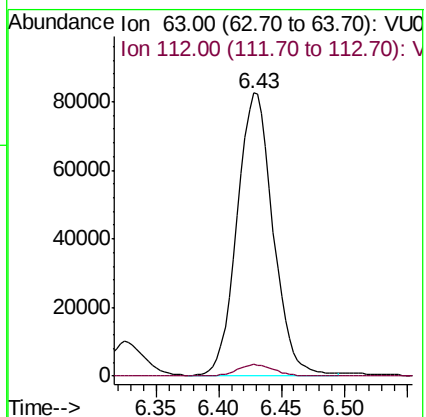
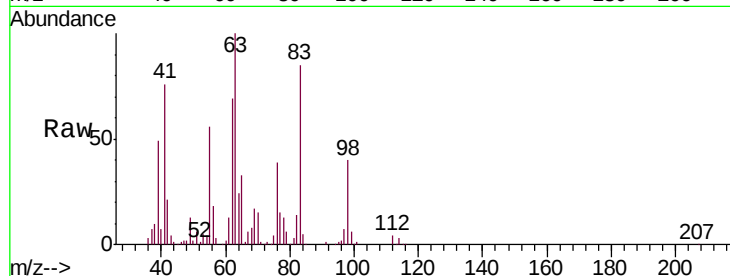
Acq: 27 Feb 2019 12:49

Tgt Ion: 63 Resp: 163831

Ion Ratio Lower Upper

63 100

112 4.2 3.6 5.4



#38

Bromodichloromethane

Concen: 49.913 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

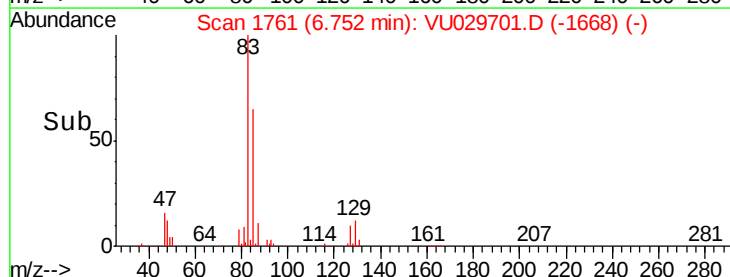
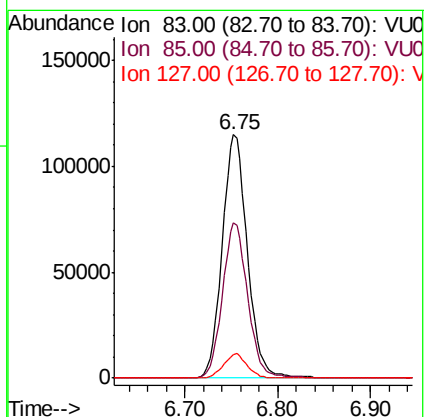
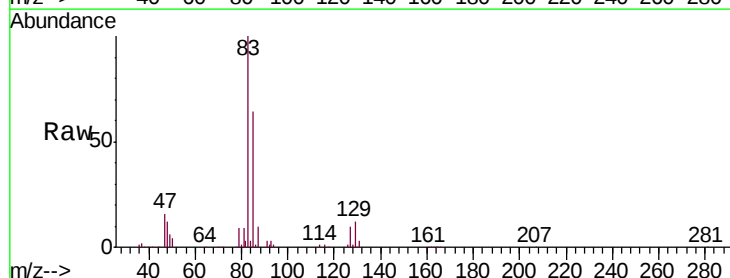
Tgt Ion: 83 Resp: 216075

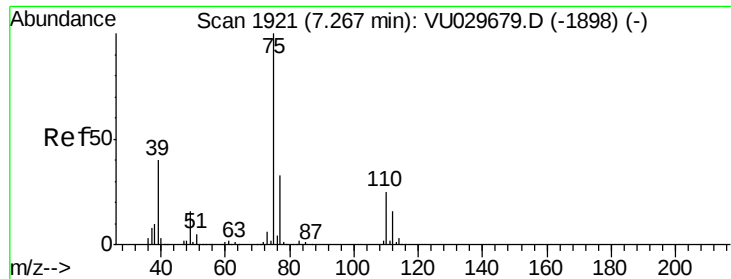
Ion Ratio Lower Upper

83 100

85 63.7 44.2 82.0

127 9.8 8.3 12.5

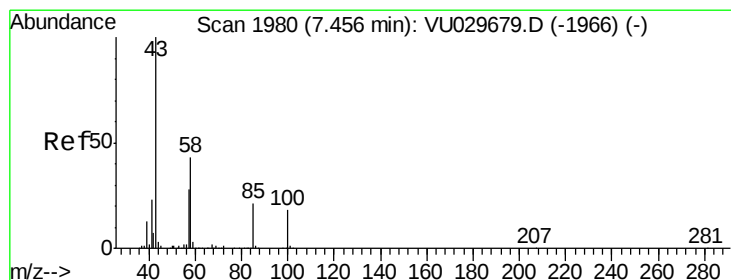
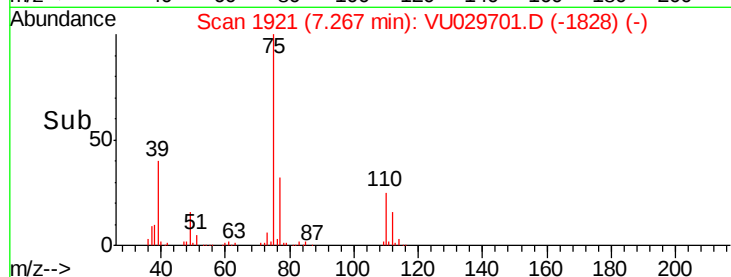
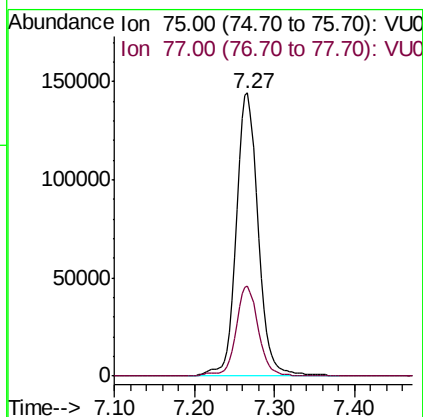
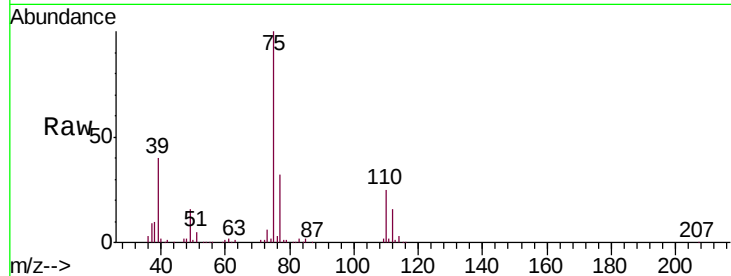




#39

cis-1,3-Dichloropropene
 Concen: 51.308 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029701.D
 Acq: 27 Feb 2019 12:49

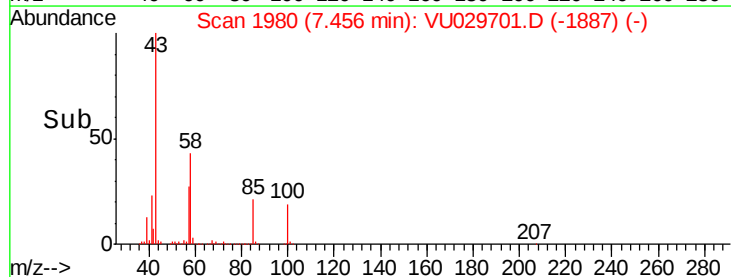
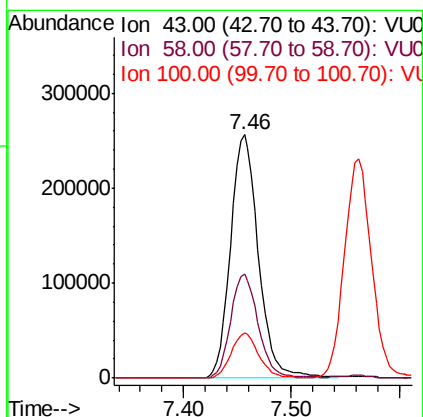
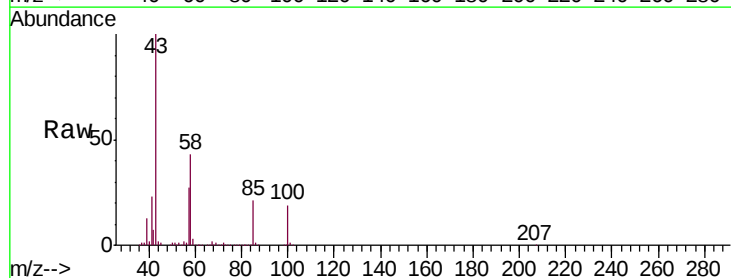
Tgt Ion: 75 Resp: 265816
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.5

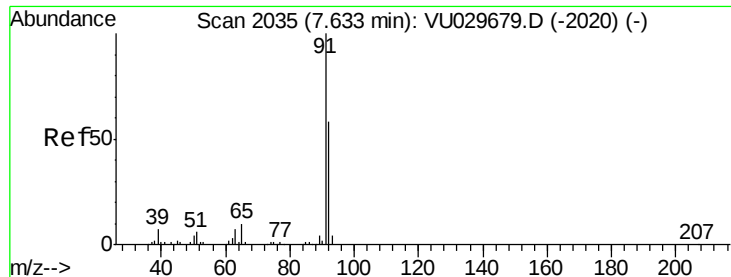


#40

4-Methyl-2-pentanone
 Concen: 101.951 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU029701.D
 Acq: 27 Feb 2019 12:49

Tgt Ion: 43 Resp: 460362
 Ion Ratio Lower Upper
 43 100
 58 42.4 33.0 49.4
 100 18.3 14.5 21.7





#42

Toluene

Concen: 48.900 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029701.D

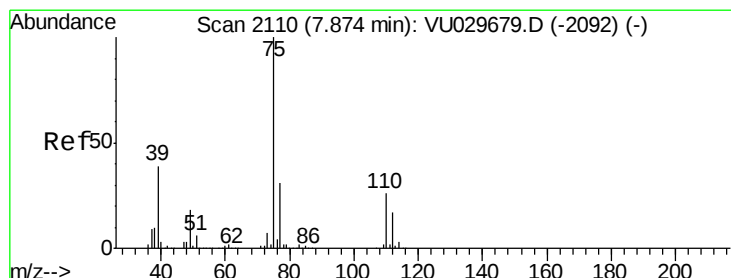
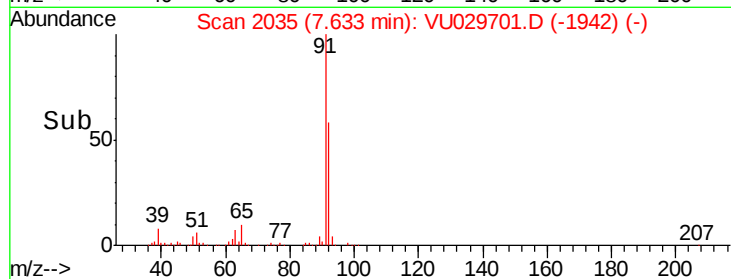
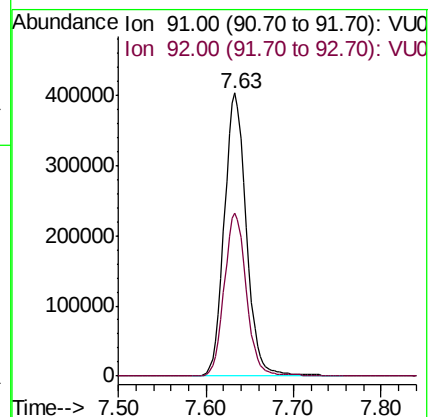
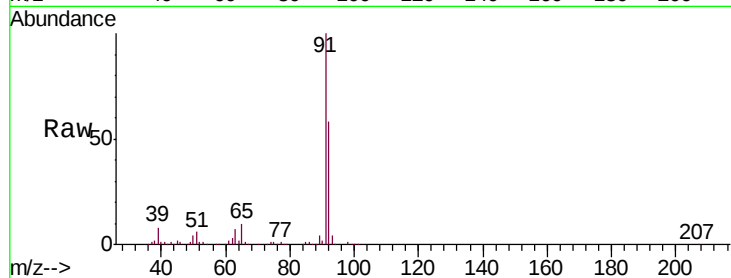
Acq: 27 Feb 2019 12:49

Tgt Ion: 91 Resp: 707400

Ion Ratio Lower Upper

91 100

92 57.8 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 49.858 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029701.D

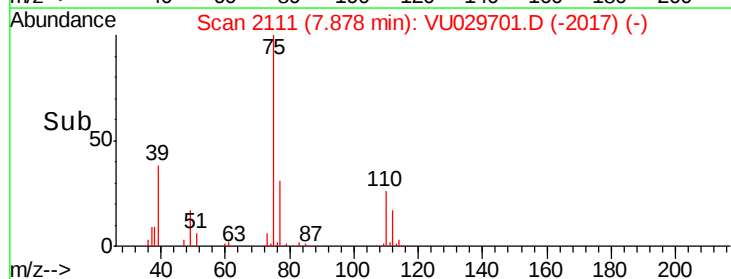
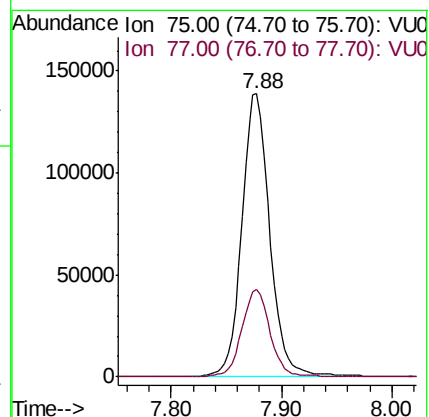
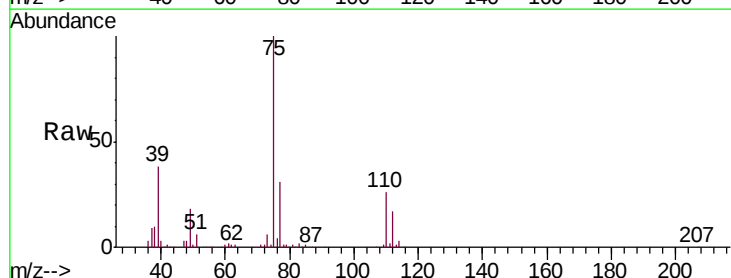
Acq: 27 Feb 2019 12:49

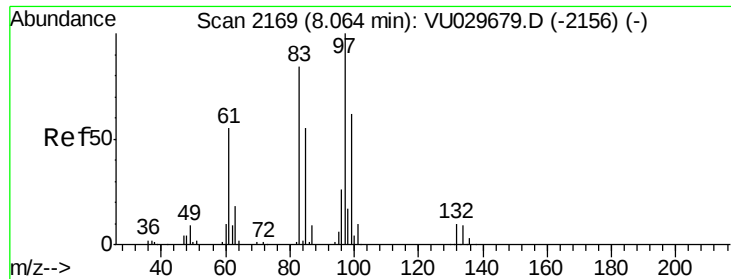
Tgt Ion: 75 Resp: 243439

Ion Ratio Lower Upper

75 100

77 30.9 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 49.164 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

Tgt Ion: 97 Resp: 168271

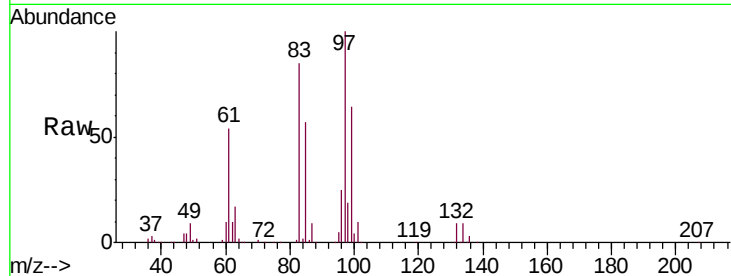
Ion	Ratio	Lower	Upper
97	100		
99	63.9	43.8	81.3
83	85.2	57.7	107.1
85	56.6	38.5	71.5

97 100

99 63.9 43.8 81.3

83 85.2 57.7 107.1

85 56.6 38.5 71.5

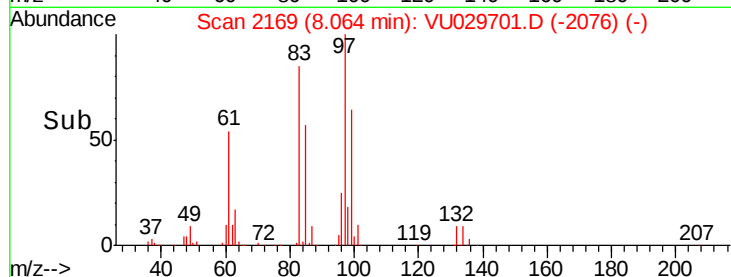


Abundance Ion 97.00 (96.70 to 97.70): VU0

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



Abundance

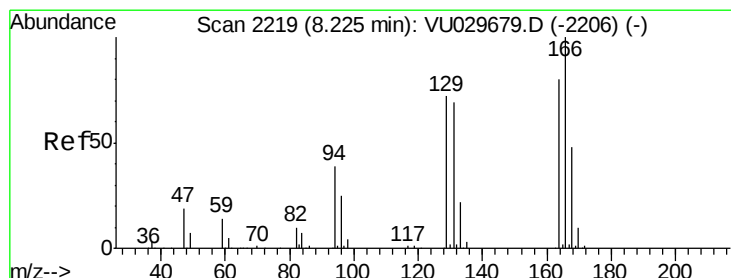
8.06

100000

50000

0

Time-->



#46

Tetrachloroethene

Concen: 47.037 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

Tgt Ion: 164 Resp: 151714

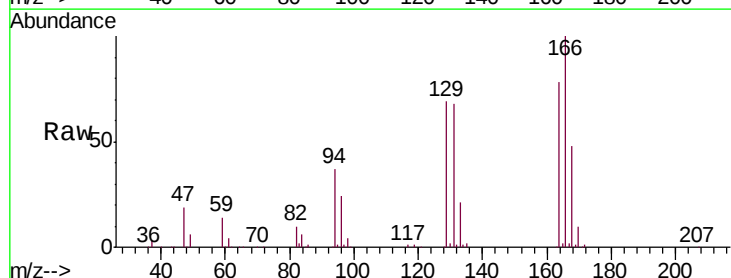
Ion	Ratio	Lower	Upper
164	100		
129	88.1	62.1	115.3
131	87.0	60.1	111.5
166	127.4	89.7	166.5

164 100

129 88.1 62.1 115.3

131 87.0 60.1 111.5

166 127.4 89.7 166.5

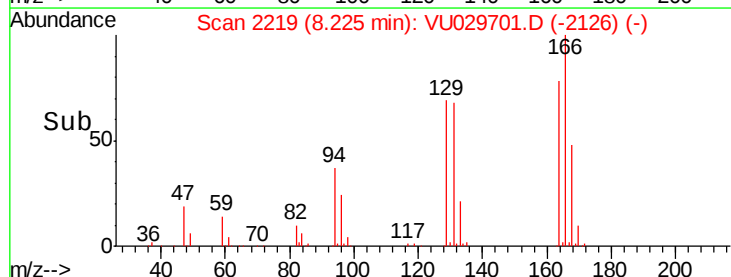


Abundance Ion 164.00 (163.70 to 164.70): V

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



Abundance

8.22

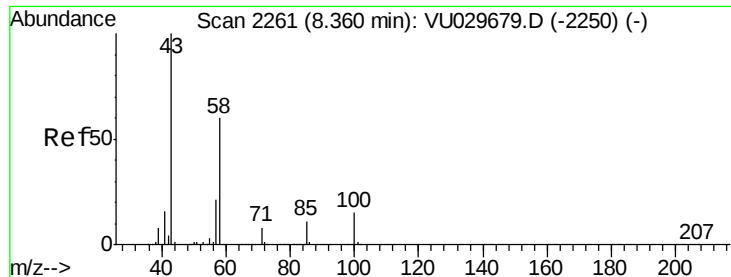
150000

100000

50000

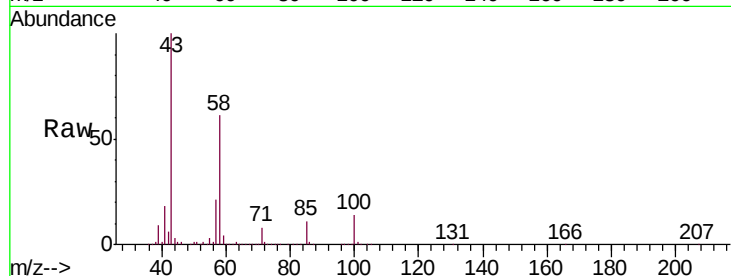
0

Time-->

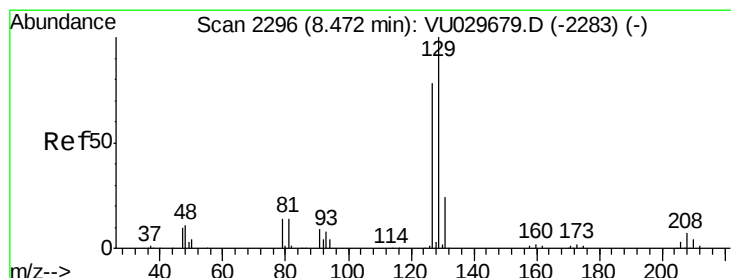
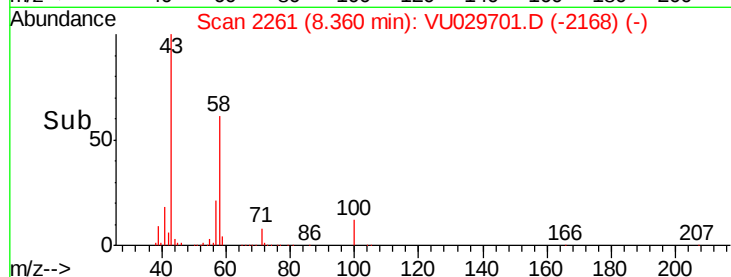
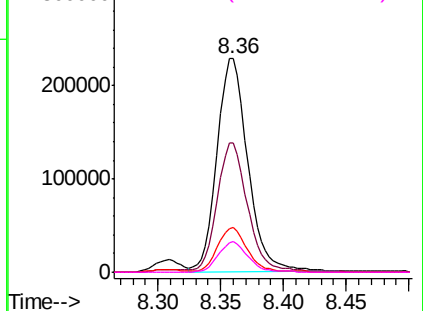


#48
2-Hexanone
Concen: 98.478 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU029701.D
Acq: 27 Feb 2019 12:49

Tgt Ion:	43	Resp:	388462
Ion	Ratio	Lower	Upper
43	100		
58	60.6	46.4	69.6
57	20.4	15.7	23.5
100	14.1	10.9	16.3

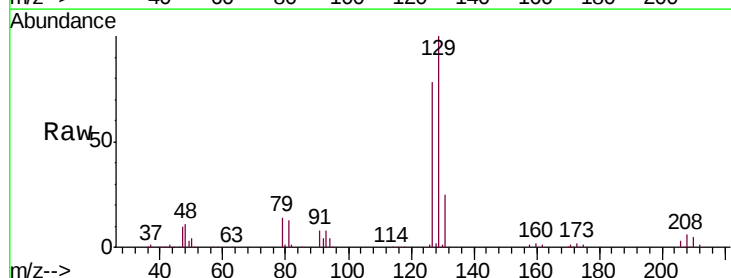


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

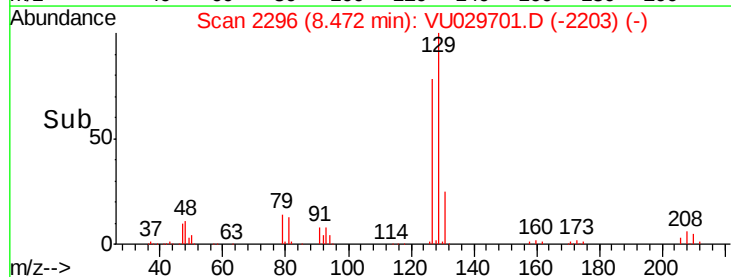
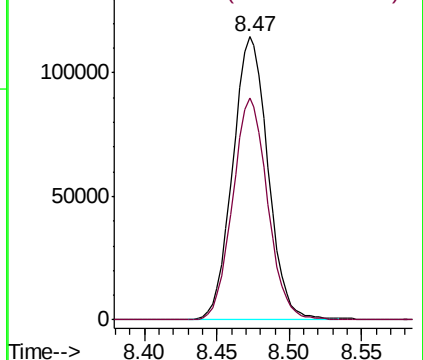


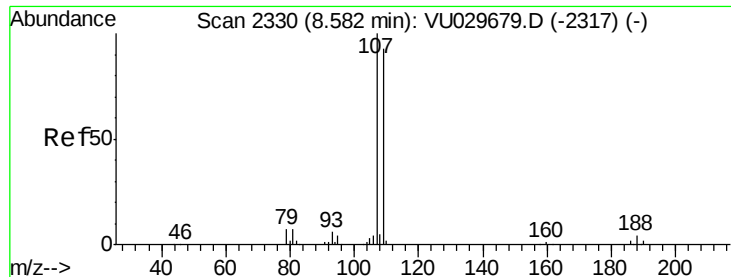
#49
Dibromochloromethane
Concen: 46.748 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029701.D
Acq: 27 Feb 2019 12:49

Tgt Ion:	129	Resp:	193973
Ion	Ratio	Lower	Upper
129	100		
127	78.4	54.4	101.0



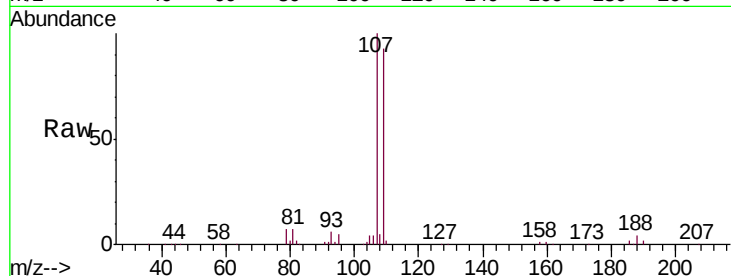
Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



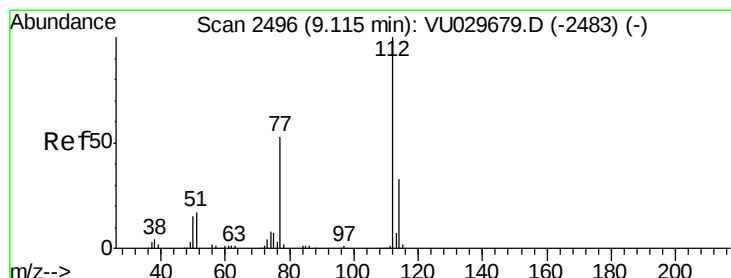
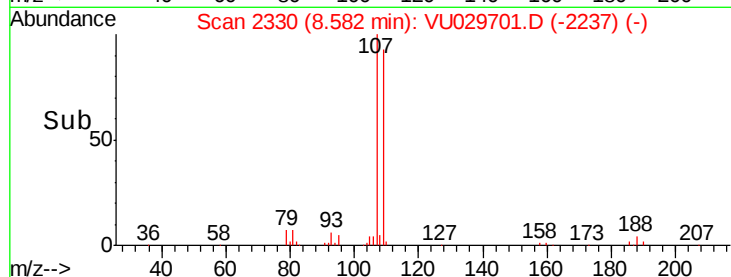
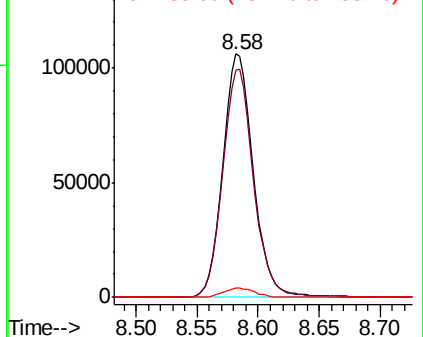


#50
1,2-Dibromoethane
Concen: 49.126 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU029701.D
Acq: 27 Feb 2019 12:49

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.3	66.4	123.4
188	3.7	3.5	5.3

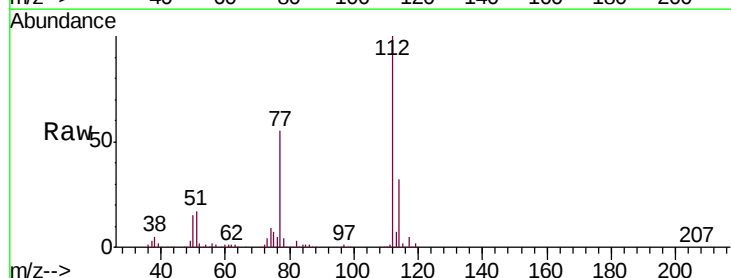


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

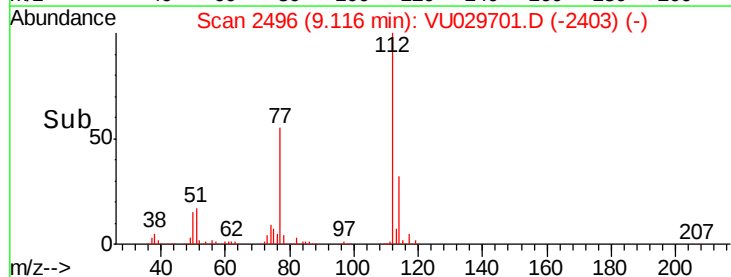
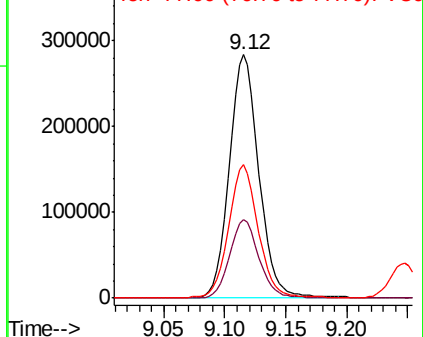


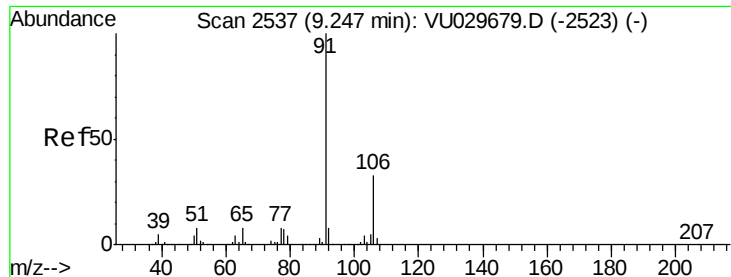
#51
Chlorobenzene
Concen: 48.251 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029701.D
Acq: 27 Feb 2019 12:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.1
77	54.6	42.1	63.1



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





#52

Ethylbenzene

Concen: 47.915 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029701.D

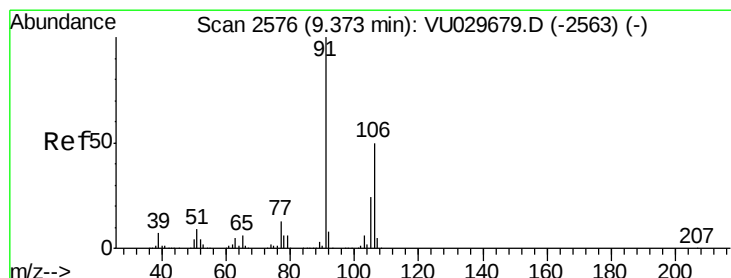
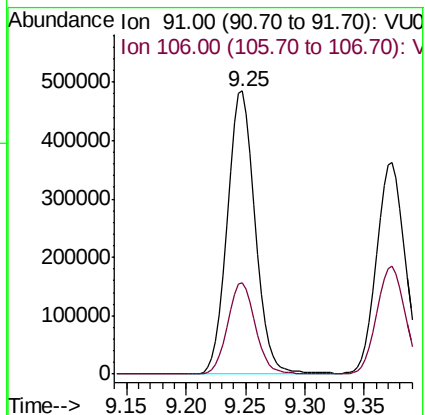
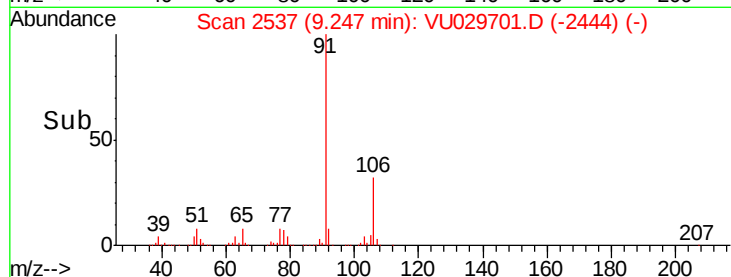
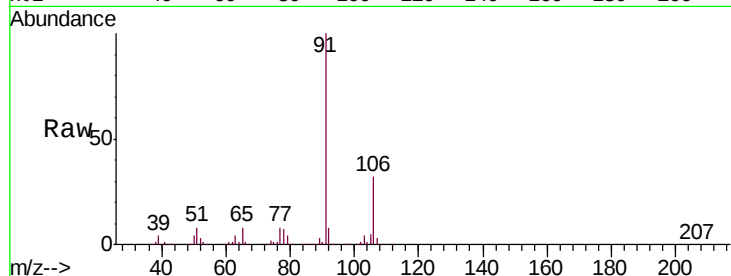
Acq: 27 Feb 2019 12:49

Tgt Ion: 91 Resp: 787235

Ion Ratio Lower Upper

91 100

106 32.4 22.7 42.1



#53

m,p-Xylene

Concen: 47.425 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029701.D

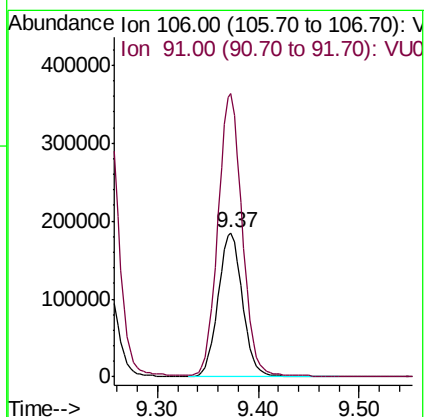
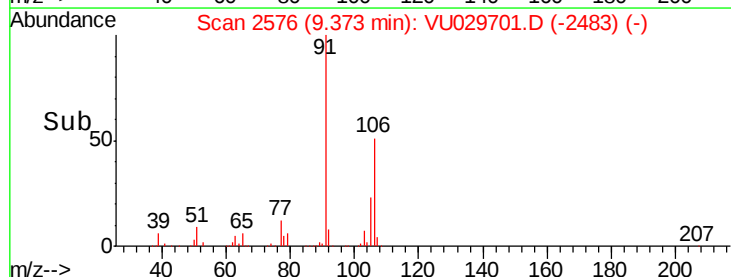
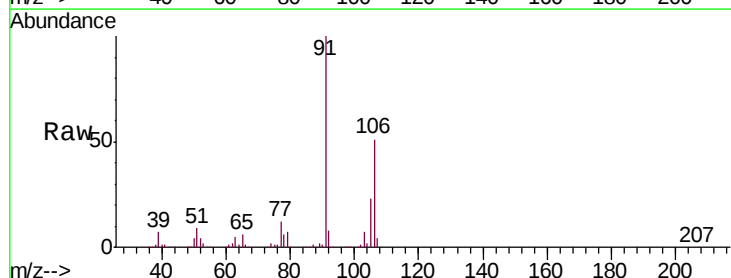
Acq: 27 Feb 2019 12:49

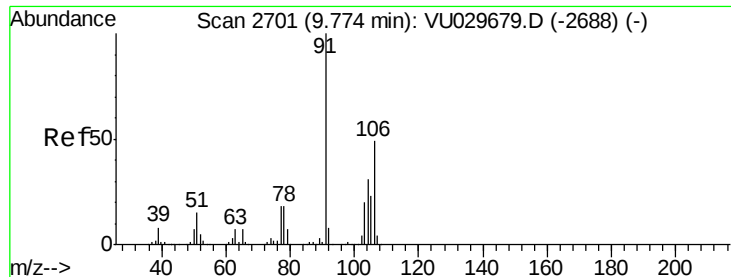
Tgt Ion: 106 Resp: 312777

Ion Ratio Lower Upper

106 100

91 196.6 135.3 251.3





#54

o-xylene

Concen: 46.570 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU029701.D

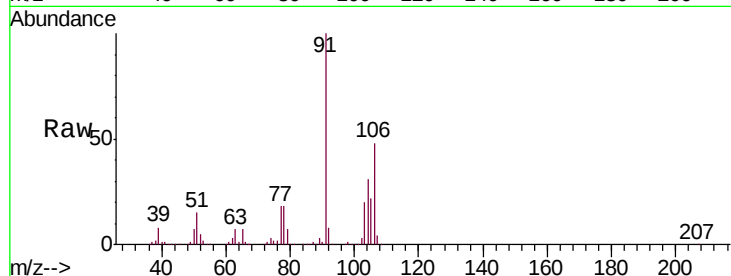
Acq: 27 Feb 2019 12:49

Tgt Ion:106 Resp: 308513

Ion Ratio Lower Upper

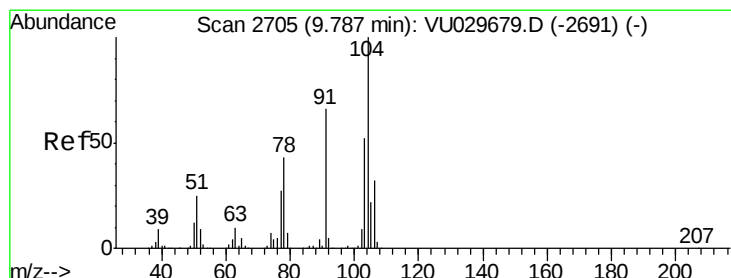
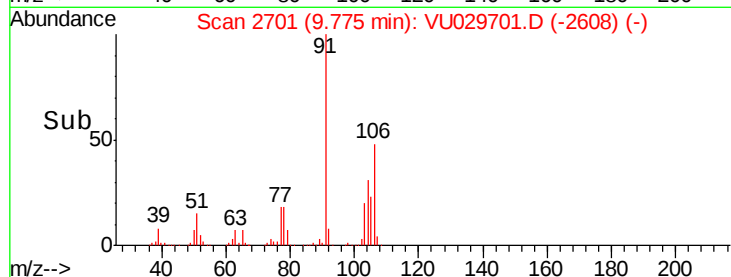
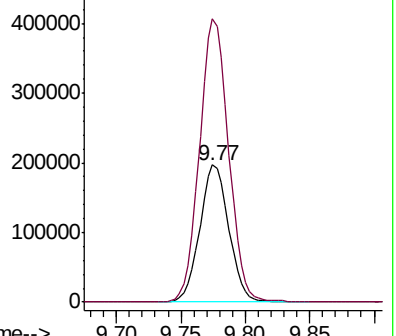
106 100

91 206.7 144.5 268.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 47.041 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU029701.D

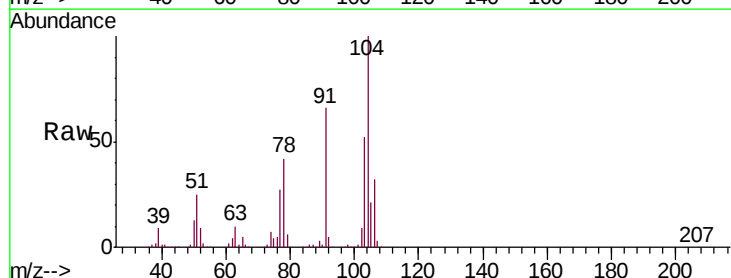
Acq: 27 Feb 2019 12:49

Tgt Ion:104 Resp: 526074

Ion Ratio Lower Upper

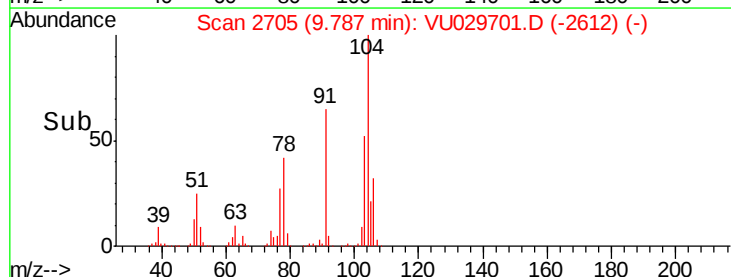
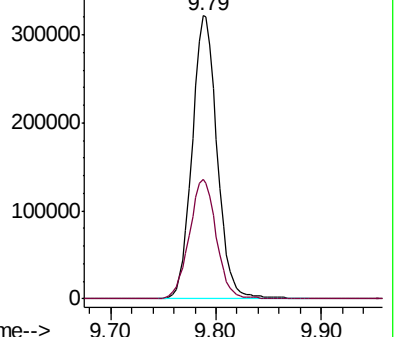
104 100

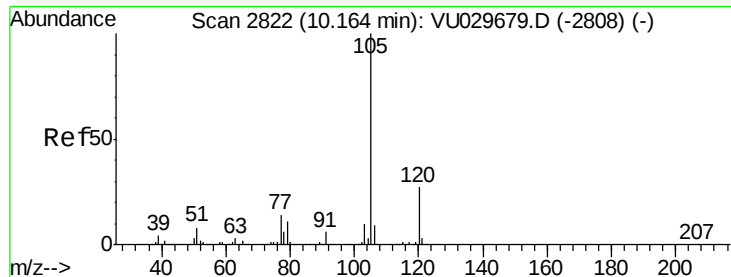
78 42.4 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 46.551 ug/L

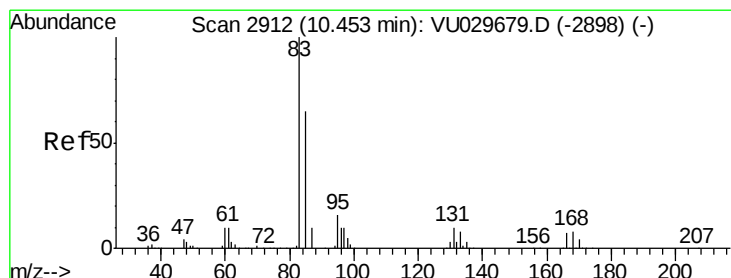
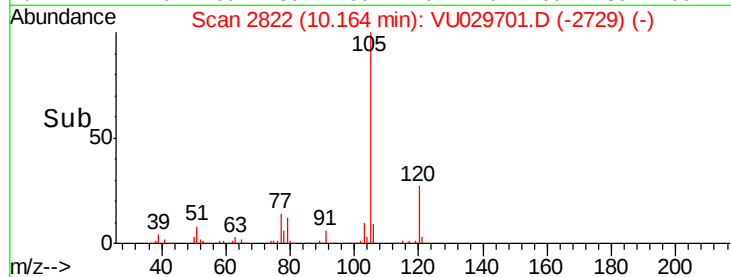
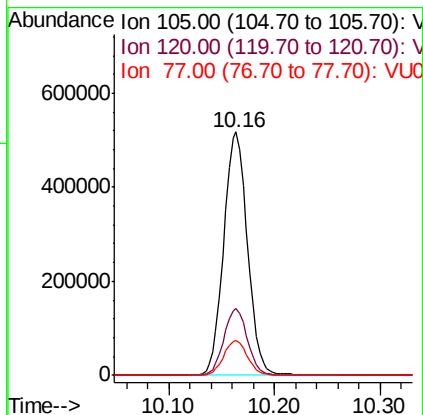
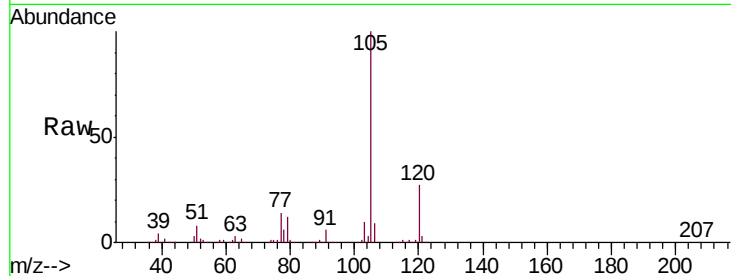
RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

Tgt Ion:	105	Resp:	806978
Ion	Ratio	Lower	Upper
105	100		
120	27.3	21.9	32.9
77	14.4	11.7	17.5



#58

1,1,2,2-Tetrachloroethane

Concen: 48.716 ug/L

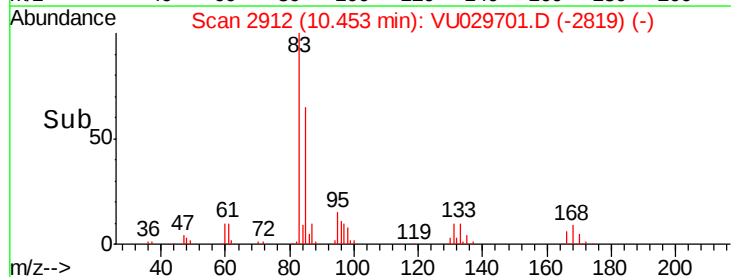
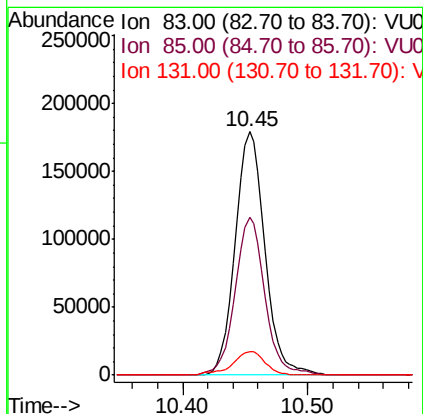
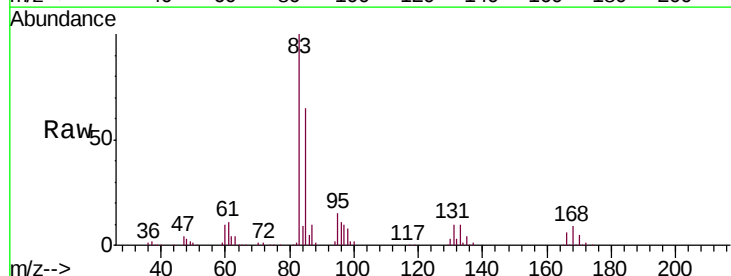
RT: 10.45 min Scan# 2912

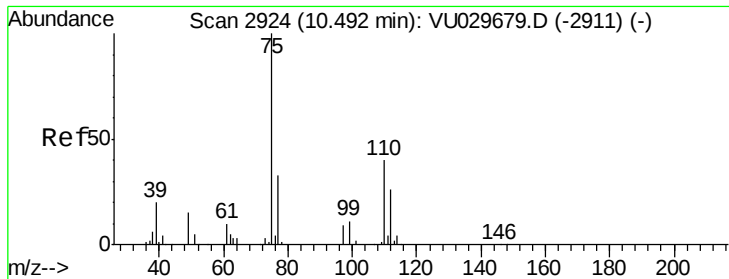
Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

Tgt Ion:	83	Resp:	294847
Ion	Ratio	Lower	Upper
83	100		
85	64.8	45.5	84.5
131	9.9	8.6	12.8





#59

1,2,3-Trichloropropane

Concen: 48.194 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU029701.D

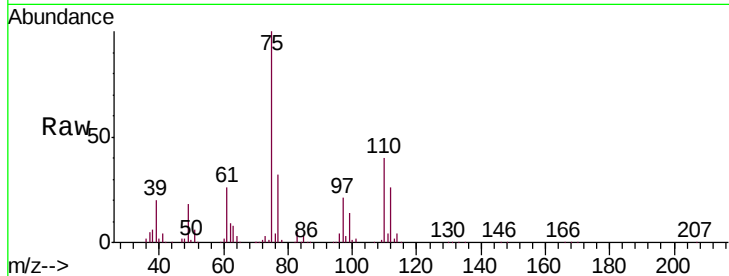
Acq: 27 Feb 2019 12:49

Tgt Ion: 75 Resp: 220653

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU029679.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU029679.D (-2911) (-)

10.49

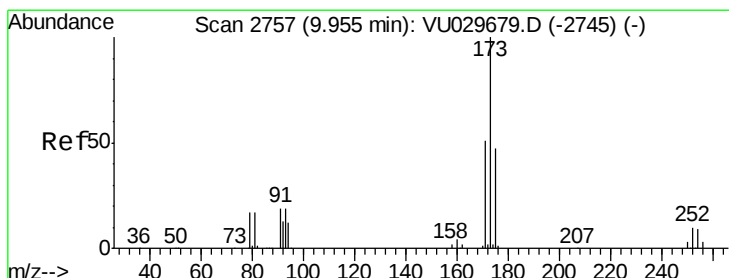
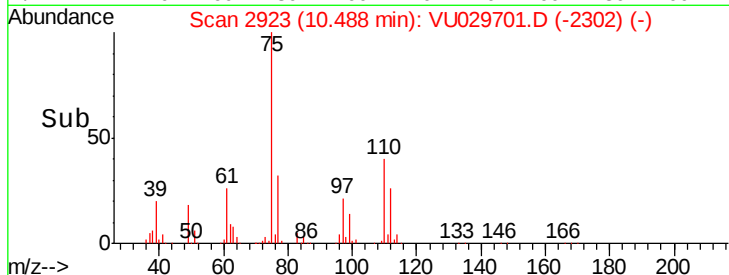
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 45.261 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

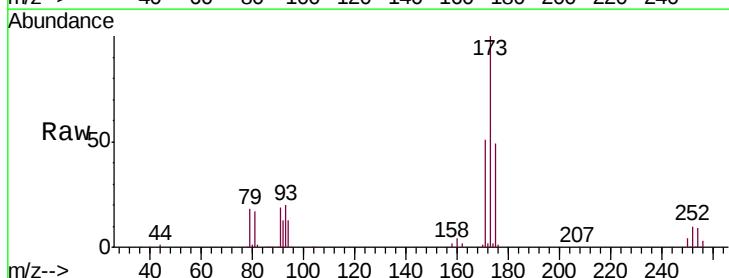
Tgt Ion: 173 Resp: 155475

Ion Ratio Lower Upper

173 100

175 47.8 39.0 58.4

254 9.6 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): VU029679.D (-2745) (-)

Ion 175.00 (174.70 to 175.70): VU029679.D (-2745) (-)

Ion 254.00 (253.70 to 254.70): VU029679.D (-2745) (-)

9.95

120000

100000

80000

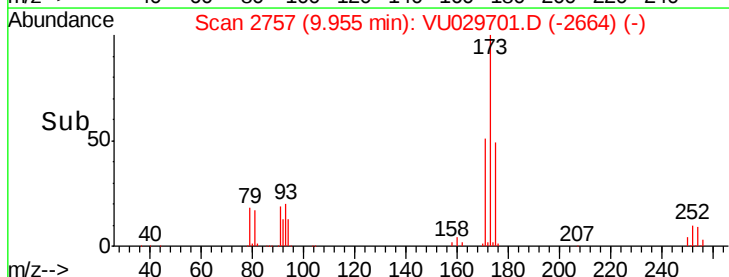
60000

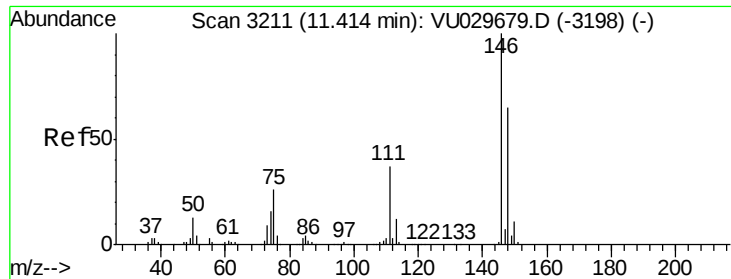
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 49.089 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

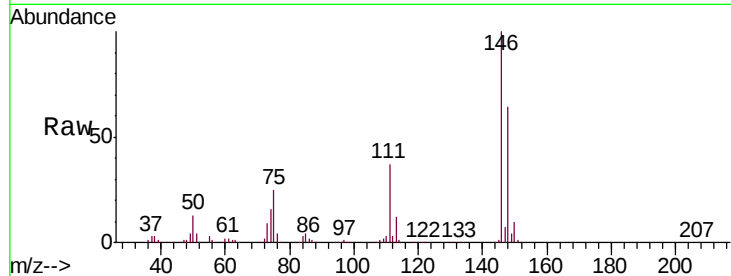
Tgt Ion:146 Resp: 399242

Ion Ratio Lower Upper

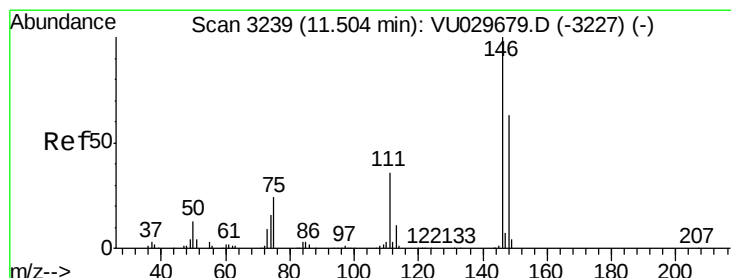
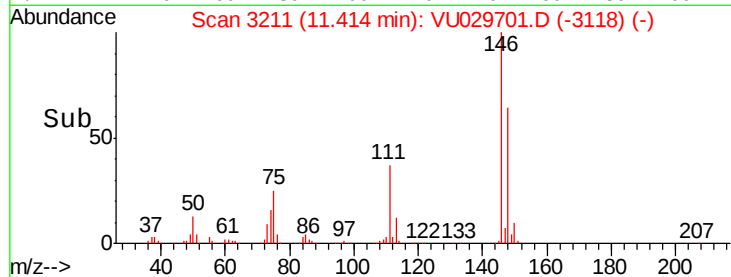
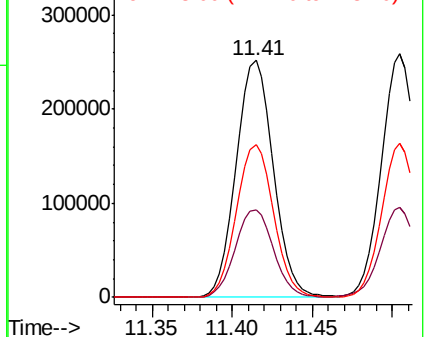
146 100

111 36.9 26.7 49.5

148 64.4 45.9 85.3



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



#63

1,4-Dichlorobenzene

Concen: 49.869 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

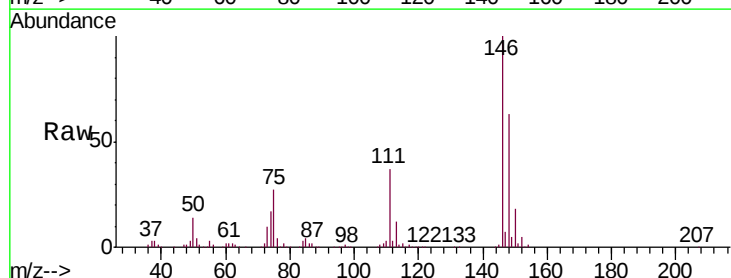
Tgt Ion:146 Resp: 408155

Ion Ratio Lower Upper

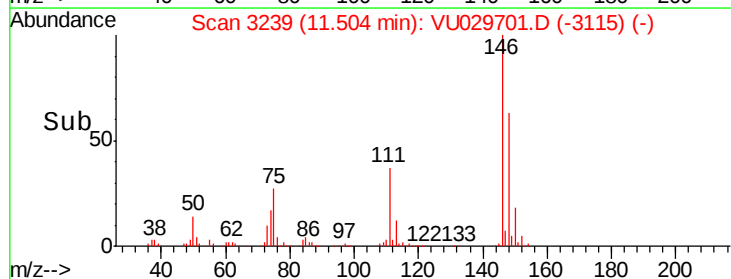
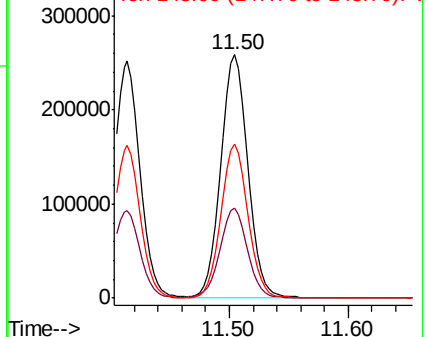
146 100

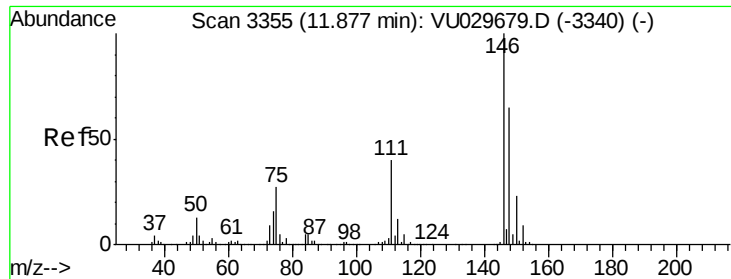
111 37.1 25.1 46.5

148 63.4 45.0 83.6



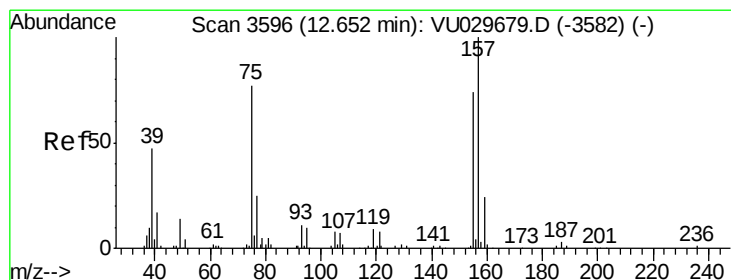
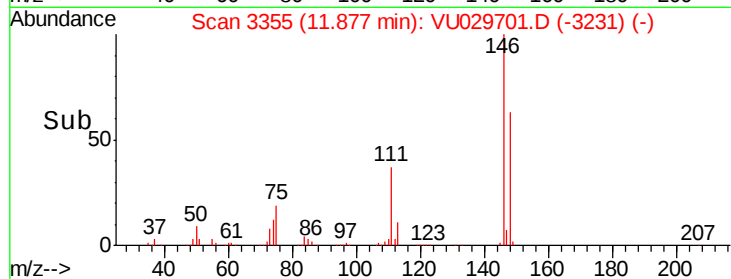
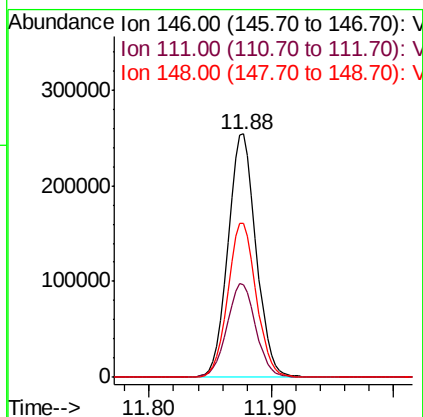
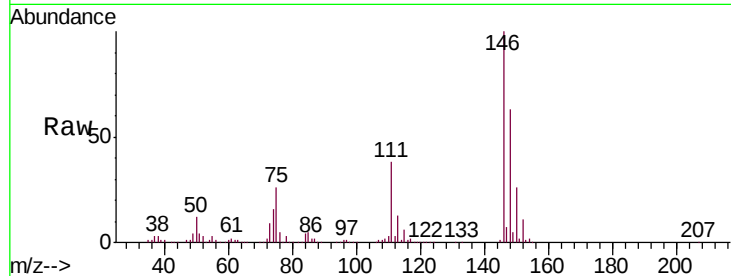
Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





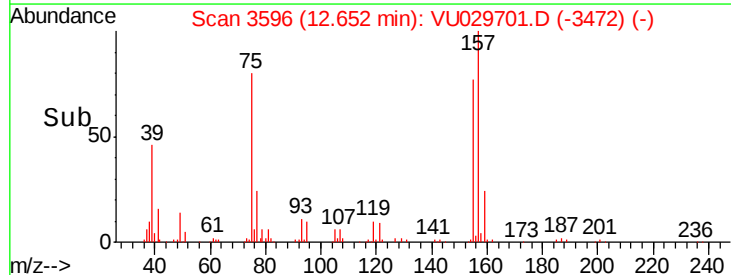
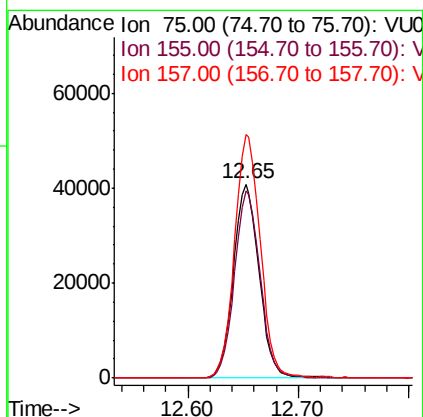
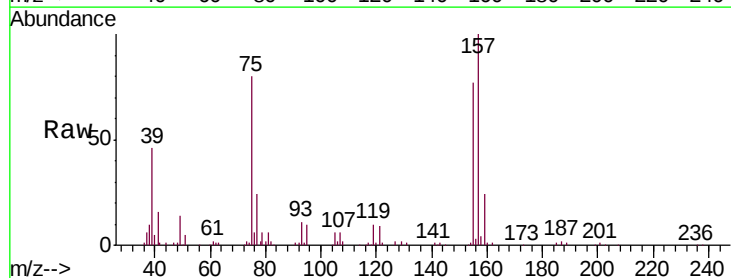
#65
 1,2-Dichlorobenzene
 Concen: 48.221 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029701.D
 Acq: 27 Feb 2019 12:49

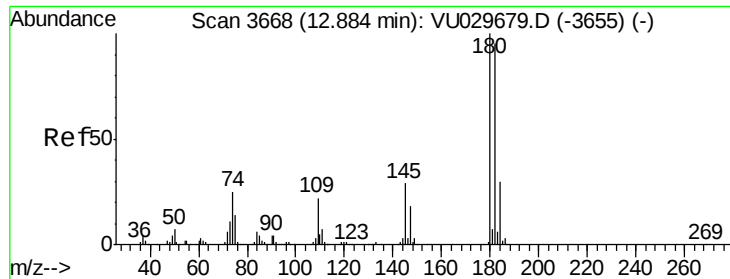
Tgt Ion: 146 Resp: 409375
 Ion Ratio Lower Upper
 146 100
 111 38.3 31.2 46.8
 148 63.3 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.006 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU029701.D
 Acq: 27 Feb 2019 12:49

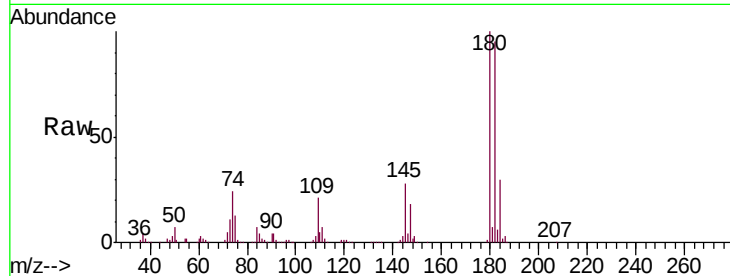
Tgt Ion: 75 Resp: 66064
 Ion Ratio Lower Upper
 75 100
 155 96.7 79.5 119.3
 157 125.7 103.4 155.0



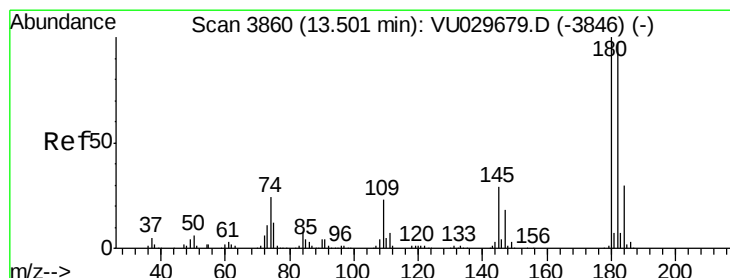
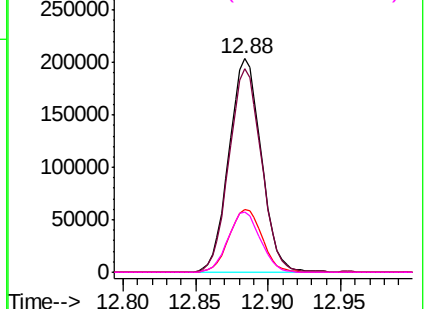
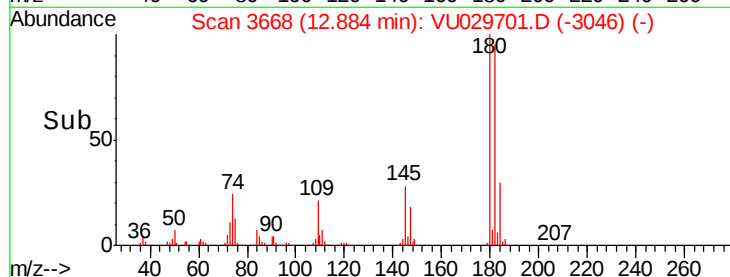


#67
 1,3,5-Trichlorobenzene
 Concen: 50.877 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029701.D
 Acq: 27 Feb 2019 12:49

Tgt Ion:	180	Resp:	315756
Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.9	116.9
184	30.0	24.5	36.7
145	28.2	22.4	33.6

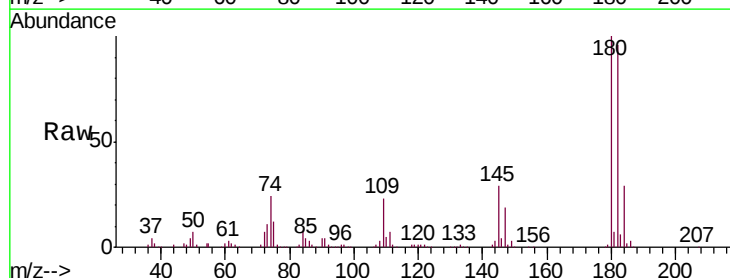


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

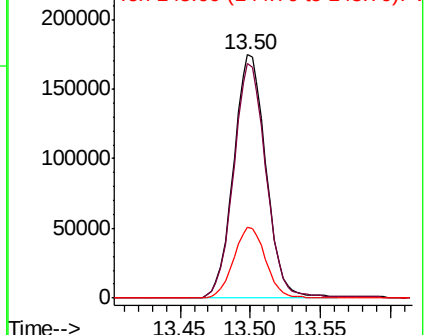
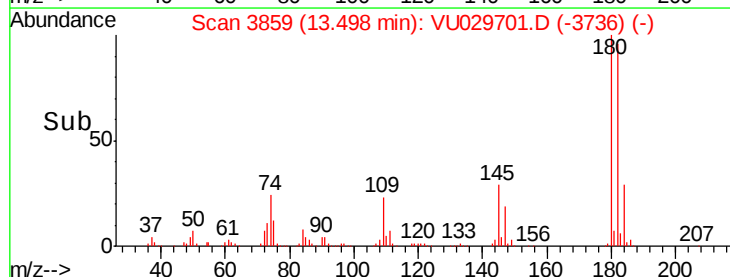


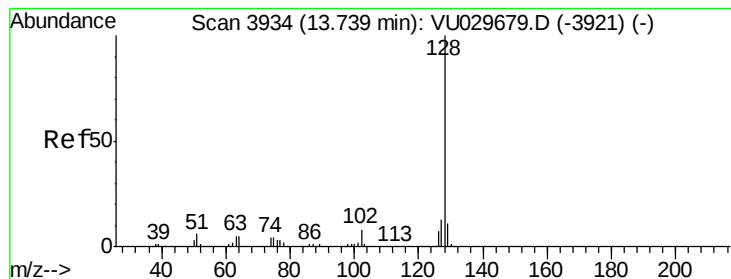
#68
 1,2,4-trichlorobenzene
 Concen: 52.362 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU029701.D
 Acq: 27 Feb 2019 12:49

Tgt Ion:	180	Resp:	281076
Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.2	114.2
145	28.7	22.7	34.1



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





#69

Naphthalene

Concen: 54.181 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

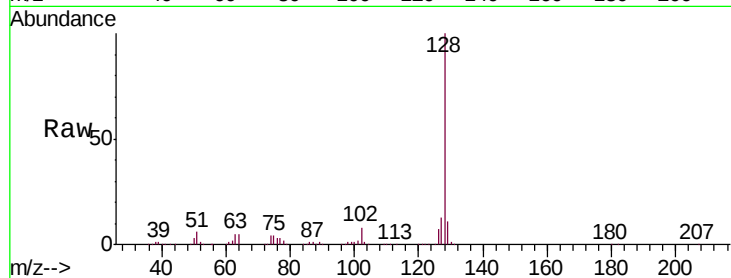
Tgt Ion:128 Resp: 893963

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

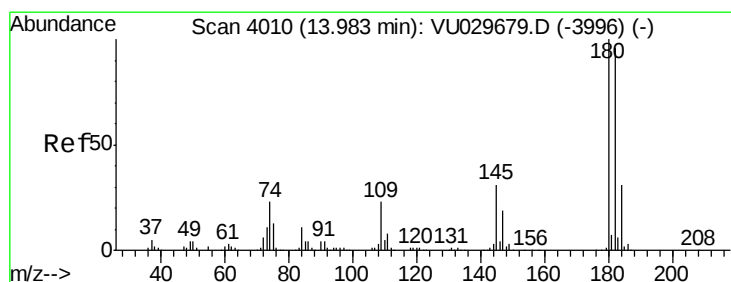
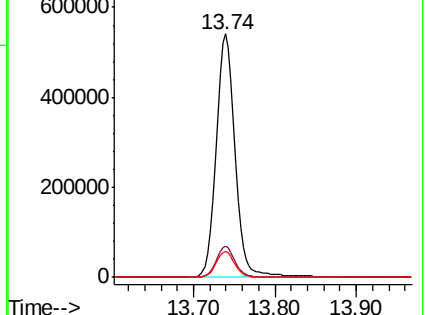
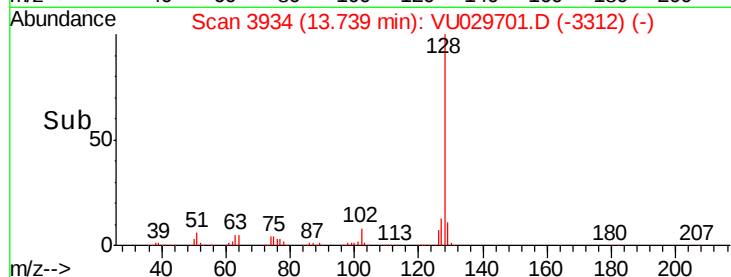
129 10.6 8.5 12.7



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: 50.854 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029701.D

Acq: 27 Feb 2019 12:49

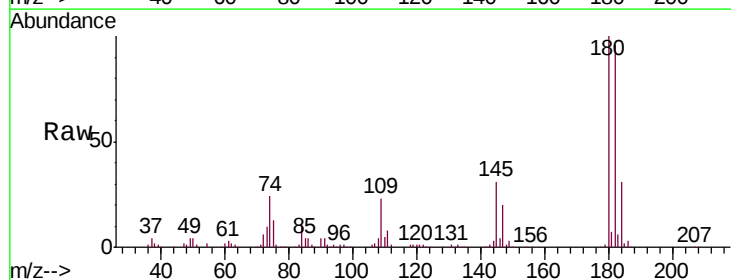
Tgt Ion:180 Resp: 289889

Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

145 30.4 24.4 36.6



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

