

Data File : VU029722.D
Acq On : 27 Feb 2019 22:17
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Feb 28 00:56:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 28 00:50:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	473555	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	468447	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	252428	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	161811	46.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.26%
7) Chloroethane-d5	1.68	69	135057	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.56%
11) 1,1-Dichloroethene-d2	2.27	63	301752	44.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.98%
21) 2-Butanone-d5	4.17	46	247515	117.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.21%
24) Chloroform-d	4.65	84	302409	53.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.46%
26) 1,2-Dichloroethane-d4	5.31	65	183024	51.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.72%
32) Benzene-d6	5.34	84	642868	54.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.08%
36) 1,2-Dichloropropane-d6	6.33	67	192737	54.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.70%
41) Toluene-d8	7.56	98	617478	51.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.66%
43) trans-1,3-Dichloropropene-	7.85	79	91626	48.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.42%
47) 2-Hexanone-d5	8.31	63	206006	104.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.31%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303366	50.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	266791	49.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.08%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	164409	50.634	ug/L	100
3) Chloromethane	1.32	50	147850	51.905	ug/L	99
5) Vinyl chloride	1.40	62	189448	48.972	ug/L	100
6) Bromomethane	1.62	94	111216	62.993	ug/L	97
8) Chloroethane	1.69	64	116489	45.273	ug/L	96
9) Trichlorofluoromethane	1.88	101	263515	42.732	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	155254	47.066	ug/L	100
12) 1,1-Dichloroethene	2.28	96	149163	47.565	ug/L	96
13) Acetone	2.32	43	175043	77.572	ug/L	98
14) Carbon disulfide	2.48	76	426264	51.901	ug/L	99
15) Methyl Acetate	2.61	43	173205	59.137	ug/L	99
16) Methylene chloride	2.70	84	172861	56.965	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	158474	54.751	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	484267	54.041	ug/L	99
19) 1,1-Dichloroethane	3.44	63	279959	55.937	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	182971	54.403	ug/L	97
22) 2-Butanone	4.26	43	258007	100.188	ug/L	99

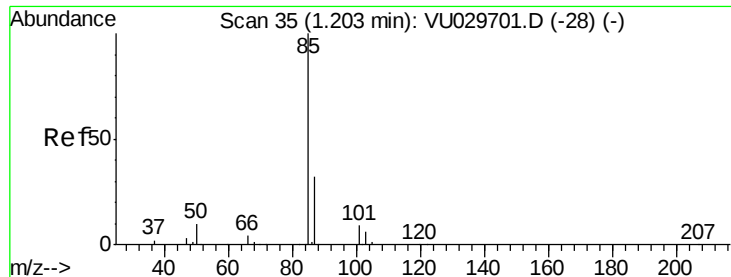
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 28 00:50:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	94978	51.515	ug/L	94
25) Chloroform	4.67	83	300849	53.876	ug/L	100
27) 1,2-Dichloroethane	5.40	62	223563	52.073	ug/L	99
29) Cyclohexane	4.99	56	244586	52.760	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	254256	51.190	ug/L	99
31) Carbon tetrachloride	5.13	117	218973	48.708	ug/L	99
33) Benzene	5.39	78	655866	54.609	ug/L	100
34) Trichloroethene	6.18	95	171398	52.975	ug/L	99
35) Methylcyclohexane	6.41	83	277271	51.603	ug/L	99
37) 1,2-Dichloropropane	6.43	63	172695	54.776	ug/L	100
38) Bromodichloromethane	6.76	83	218692	51.453	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	265389	52.174	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	475616	107.279	ug/L	98
42) Toluene	7.63	91	735272	51.768	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	243042	50.699	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	175562	52.244	ug/L	97
46) Tetrachloroethene	8.22	164	152303	48.094	ug/L	99
48) 2-Hexanone	8.36	43	385314	99.488	ug/L	99
49) Dibromochloromethane	8.47	129	200918	49.318	ug/L	100
50) 1,2-Dibromoethane	8.58	107	193758	52.042	ug/L	98
51) Chlorobenzene	9.12	112	496005	50.880	ug/L	98
52) Ethylbenzene	9.25	91	811600	50.313	ug/L	100
53) m,p-Xylene	9.37	106	321332	49.624	ug/L	97
54) o-xylene	9.77	106	319232	49.080	ug/L	100
55) Styrene	9.79	104	537296	48.934	ug/L	97
56) Isopropylbenzene	10.16	105	832064	48.887	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	304045	51.166	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	229540	51.063	ug/L	99
61) Bromoform	9.95	173	159947	47.052	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	397031	49.331	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	401046	49.515	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	416509	49.576	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	65062	49.765	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	305330	49.714	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	273995	51.579	ug/L	99
69) Naphthalene	13.74	128	862378	52.816	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	285199	50.557	ug/L	99

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

[illegible]



#2

Dichlorodifluoromethane

Concen: 50.634 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029722.D

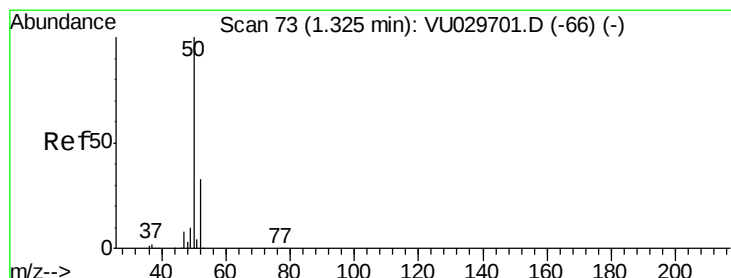
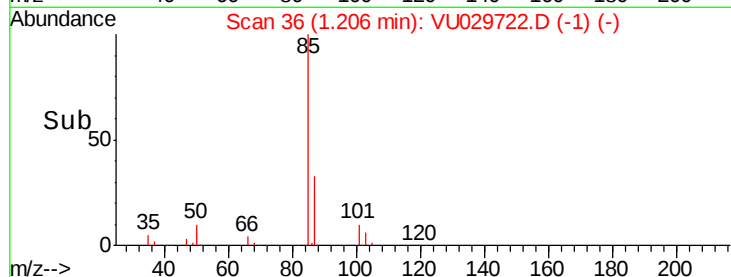
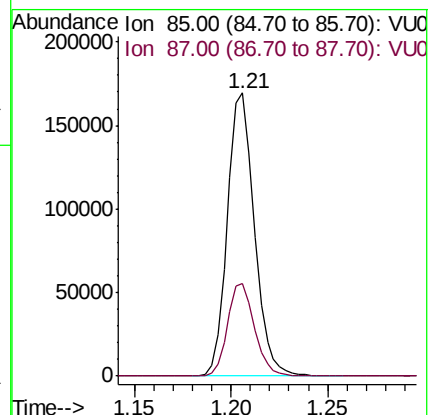
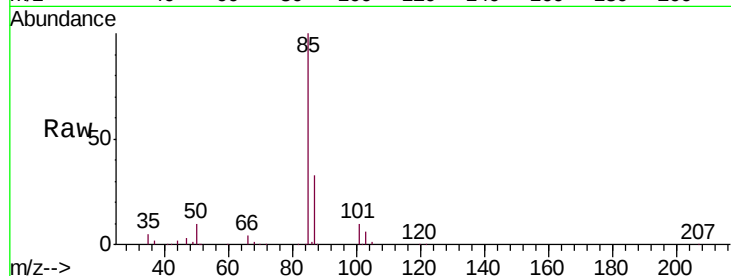
Acq: 27 Feb 2019 22:17

Tgt Ion: 85 Resp: 164409

Ion Ratio Lower Upper

85 100

87 32.5 25.9 38.9



#3

Chloromethane

Concen: 51.905 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU029722.D

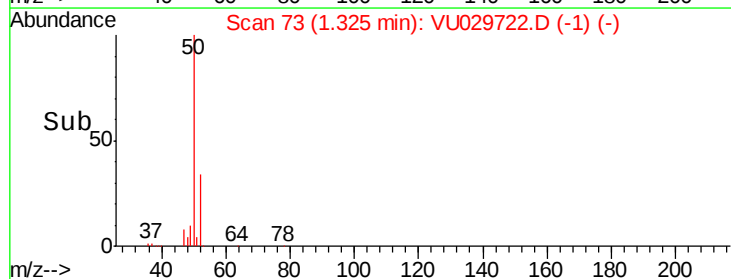
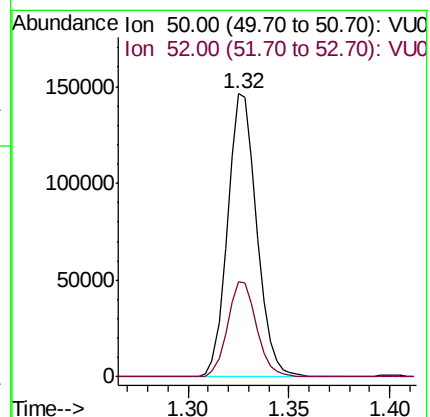
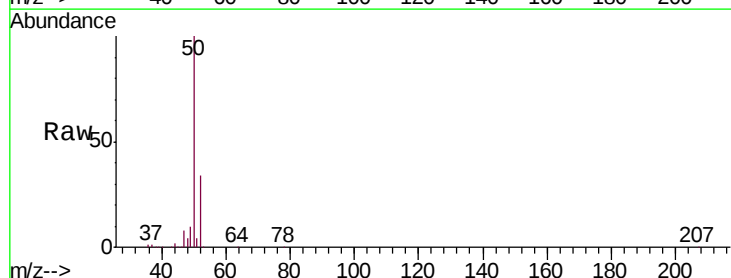
Acq: 27 Feb 2019 22:17

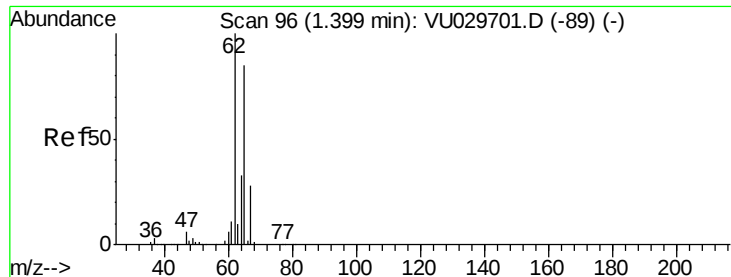
Tgt Ion: 50 Resp: 147850

Ion Ratio Lower Upper

50 100

52 33.6 23.9 44.3





#5

Vinyl chloride

Concen: 48.972 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029722.D

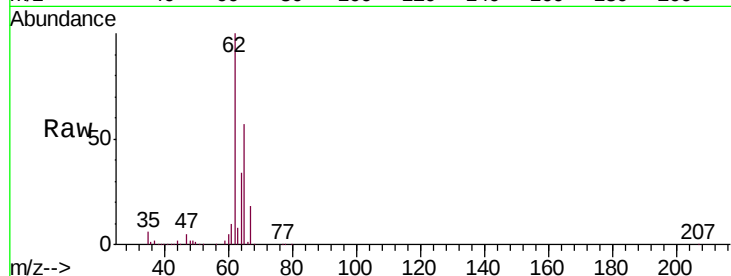
Acq: 27 Feb 2019 22:17

Tgt Ion: 62 Resp: 189448

Ion Ratio Lower Upper

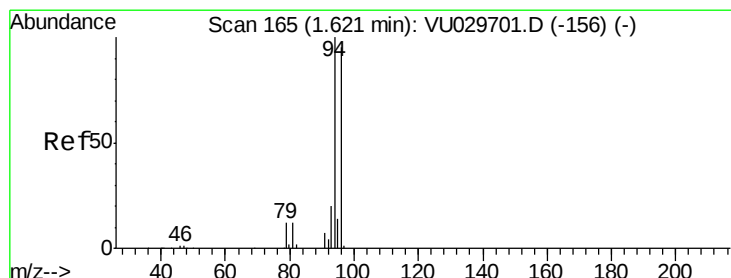
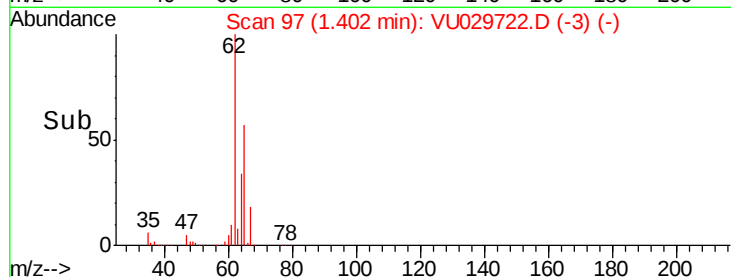
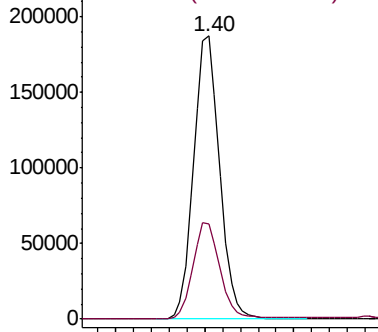
62 100

64 33.9 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: 62.993 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU029722.D

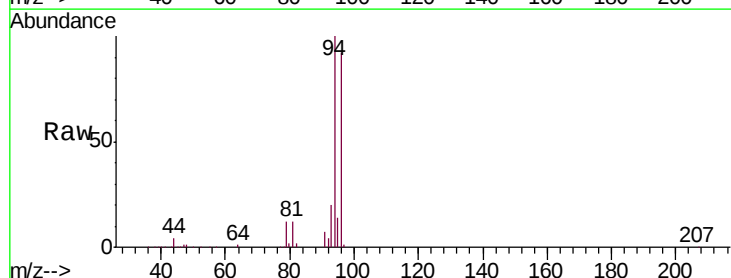
Acq: 27 Feb 2019 22:17

Tgt Ion: 94 Resp: 111216

Ion Ratio Lower Upper

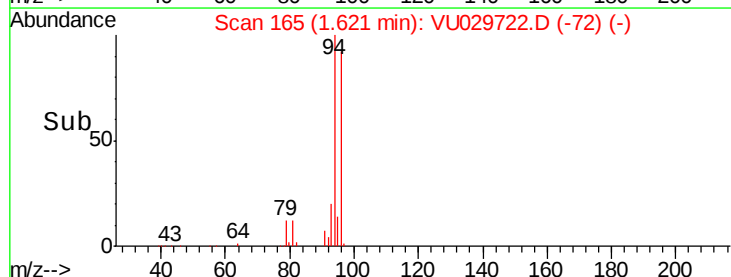
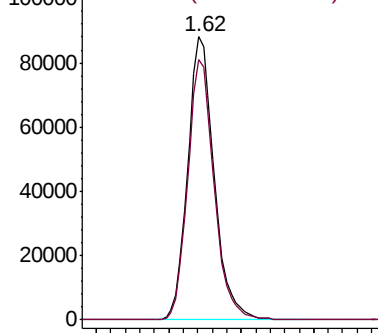
94 100

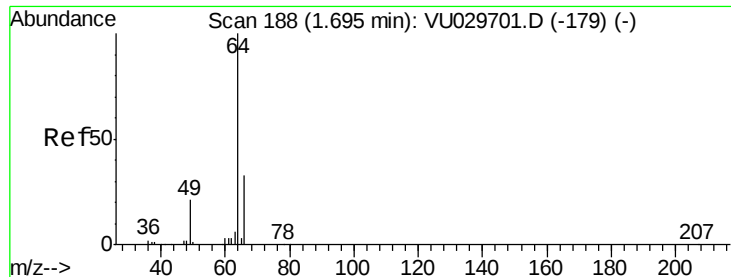
96 92.0 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 45.273 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU029722.D

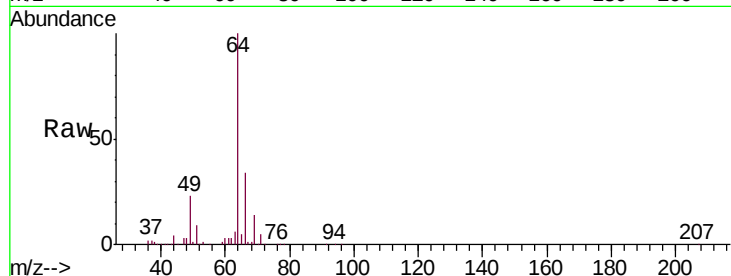
Acq: 27 Feb 2019 22:17

Tgt Ion: 64 Resp: 116489

Ion Ratio Lower Upper

64 100

66 33.6 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

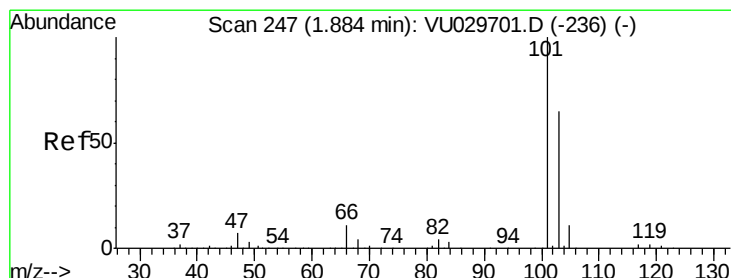
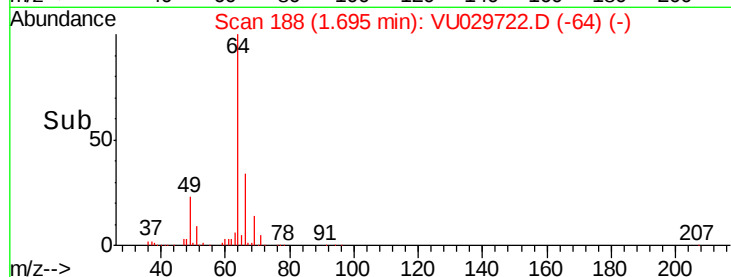
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 42.732 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU029722.D

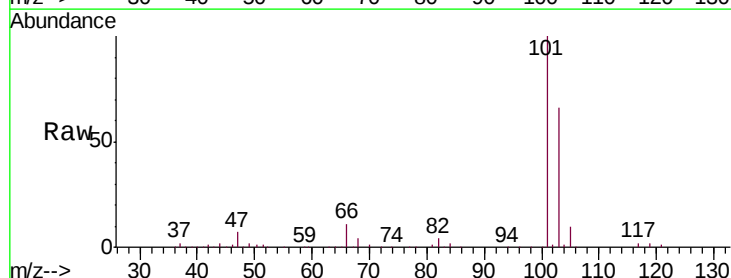
Acq: 27 Feb 2019 22:17

Tgt Ion: 101 Resp: 263515

Ion Ratio Lower Upper

101 100

103 65.5 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

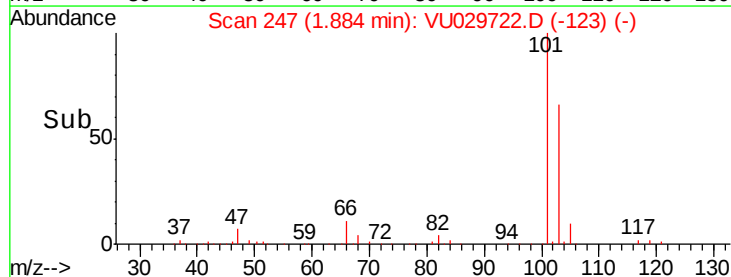
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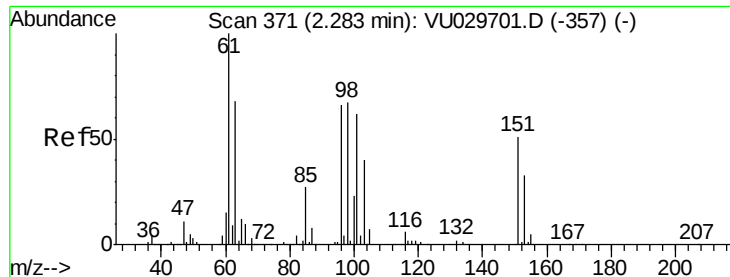
100000

50000

0

Time-->





#10

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

Concen: 47.066 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029722.D

Acq: 27 Feb 2019 22:17

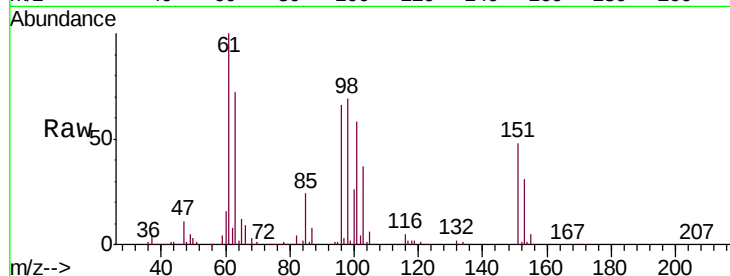
Tgt Ion: 101 Resp: 155254

Ion Ratio Lower Upper

101 100

85 41.5 33.0 49.6

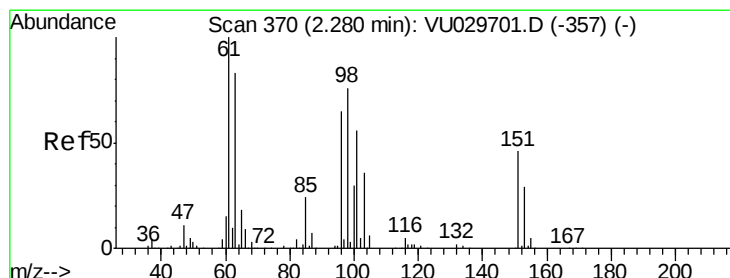
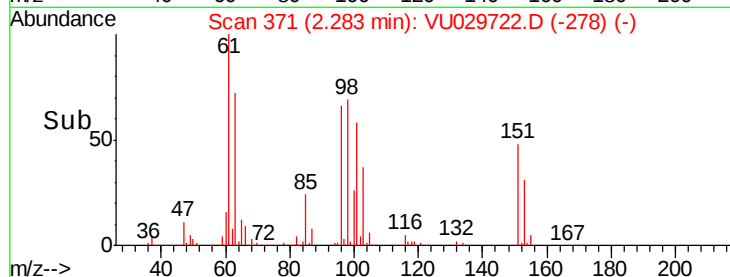
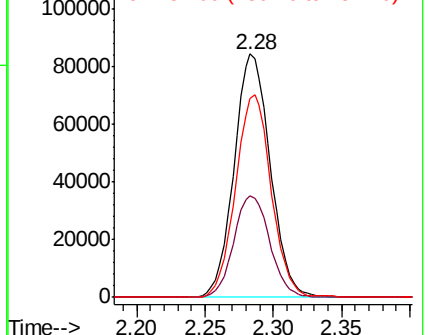
151 82.1 65.7 98.5



Abundance Ion 101.00 (100.70 to 101.70): VU029722.D (-278) (-)

Ion 85.00 (84.70 to 85.70): VU029722.D (-278) (-)

Ion 151.00 (150.70 to 151.70): VU029722.D (-278) (-)



#12

1,1-Dichloroethene

Concen: 47.565 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU029722.D

Acq: 27 Feb 2019 22:17

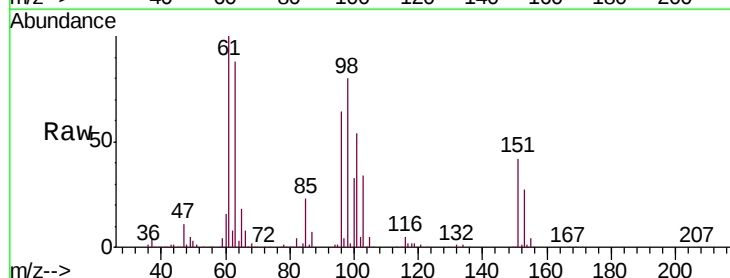
Tgt Ion: 96 Resp: 149163

Ion Ratio Lower Upper

96 100

61 155.6 114.0 211.8

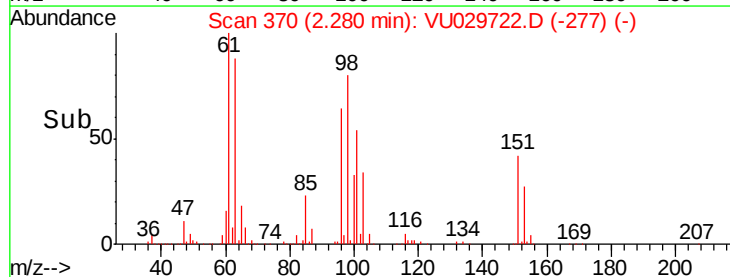
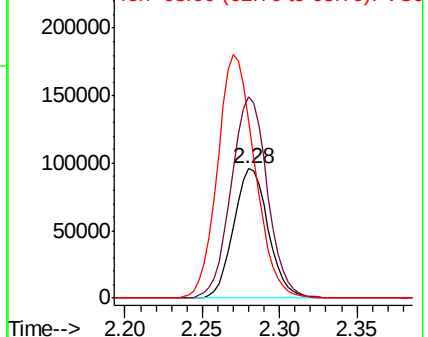
63 137.3 98.7 183.3

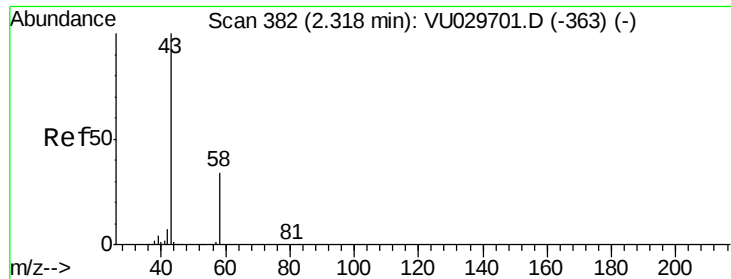


Abundance Ion 96.00 (95.70 to 96.70): VU029722.D (-277) (-)

Ion 61.00 (60.70 to 61.70): VU029722.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU029722.D (-277) (-)





#13

Acetone

Concen: 77.572 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029722.D

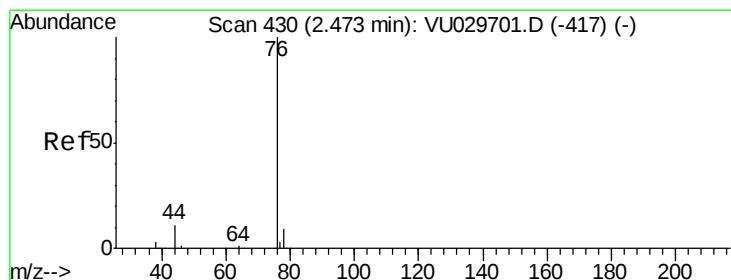
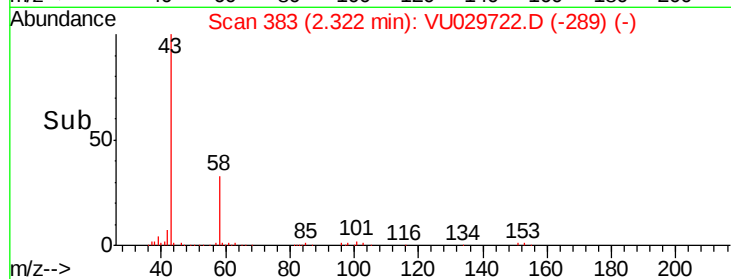
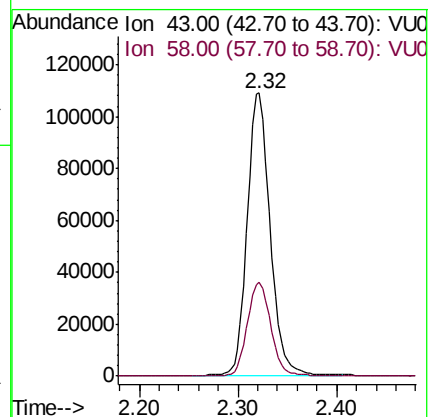
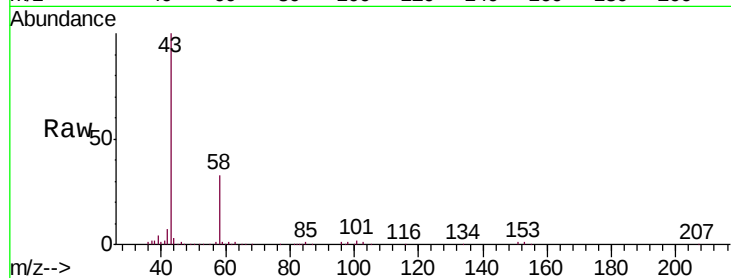
Acq: 27 Feb 2019 22:17

Tgt Ion: 43 Resp: 175043

Ion Ratio Lower Upper

43 100

58 34.5 0.0 66.8



#14

Carbon disulfide

Concen: 51.901 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029722.D

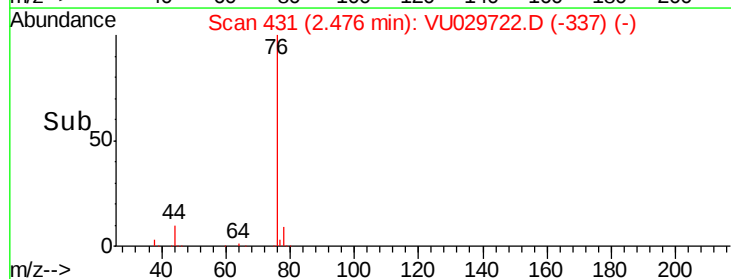
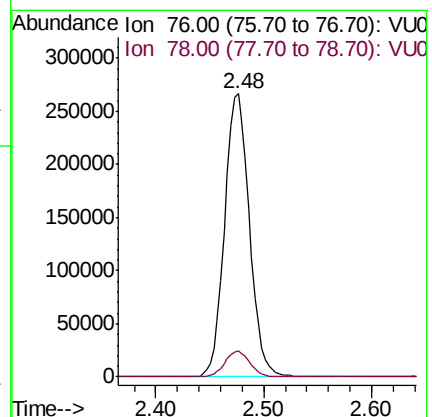
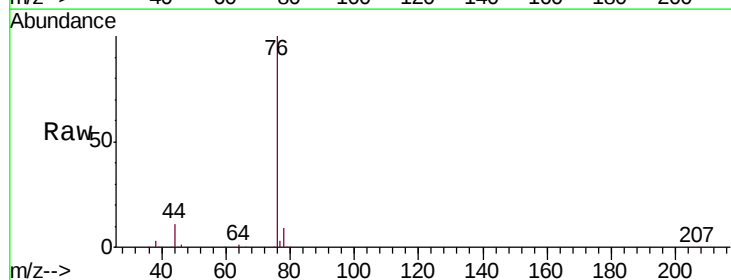
Acq: 27 Feb 2019 22:17

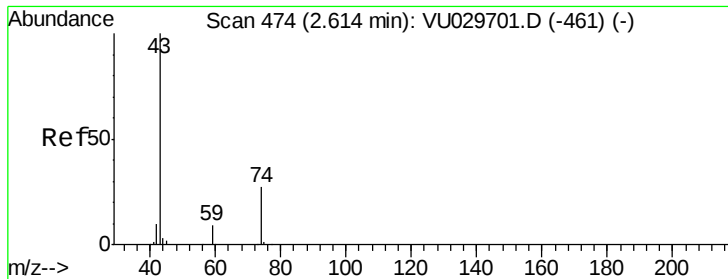
Tgt Ion: 76 Resp: 426264

Ion Ratio Lower Upper

76 100

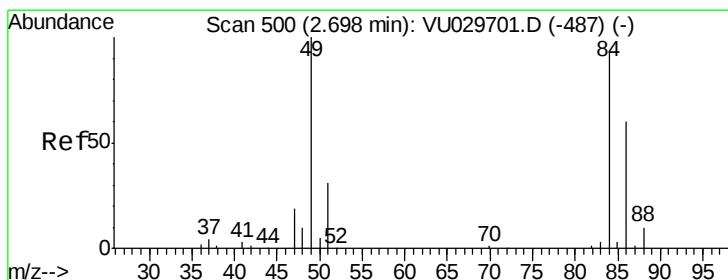
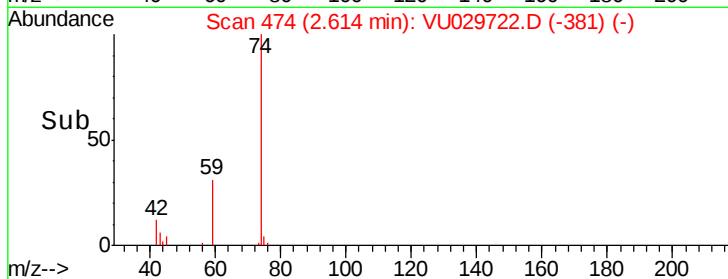
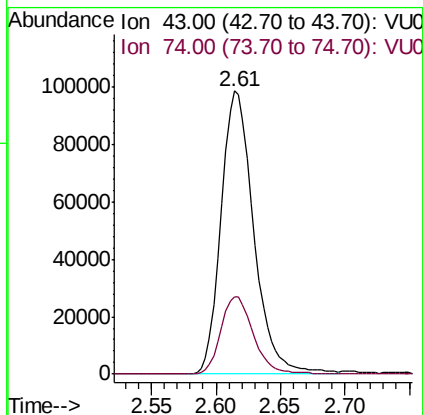
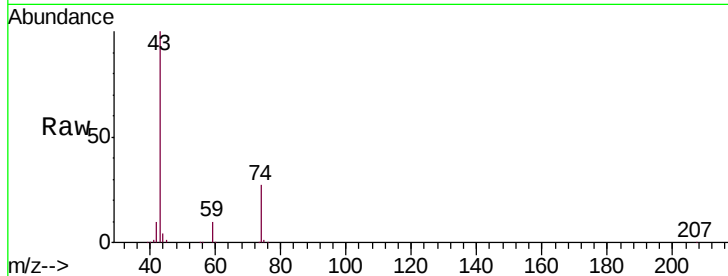
78 9.1 7.4 11.2





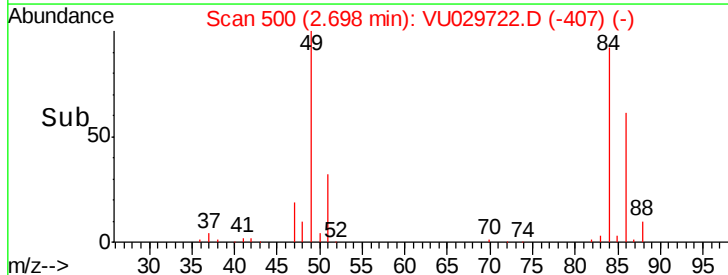
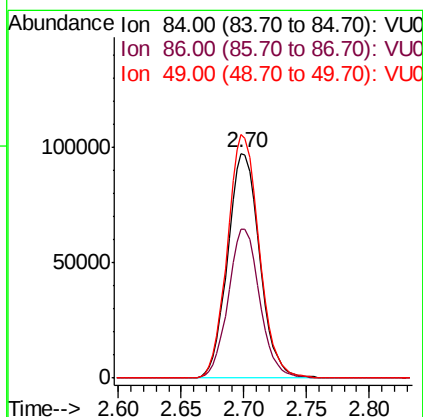
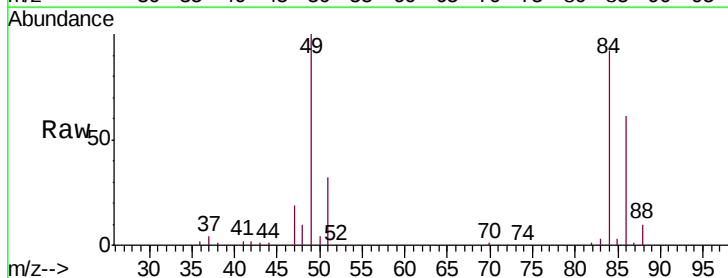
#15
Methyl Acetate
Concen: 59.137 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029722.D
Acq: 27 Feb 2019 22:17

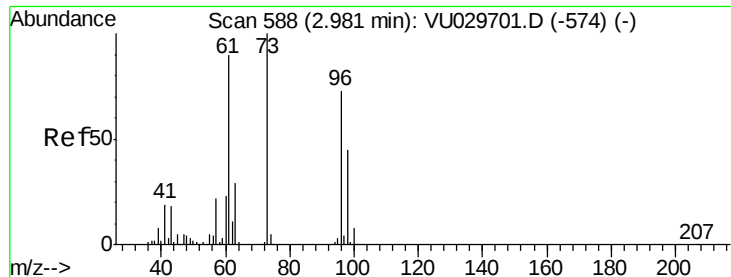
Tgt Ion: 43 Resp: 173205
Ion Ratio Lower Upper
43 100
74 27.3 21.5 32.3



#16
Methylene chloride
Concen: 56.965 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029722.D
Acq: 27 Feb 2019 22:17

Tgt Ion: 84 Resp: 172861
Ion Ratio Lower Upper
84 100
86 66.1 45.8 85.0
49 108.4 75.1 139.5





#17

trans-1,2-Dichloroethene

Concen: 54.751 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029722.D

Acq: 27 Feb 2019 22:17

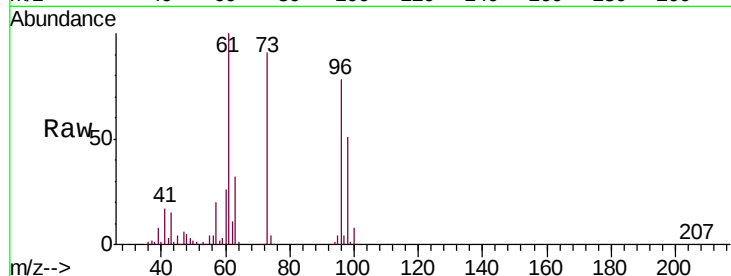
Tgt Ion: 96 Resp: 158474

Ion Ratio Lower Upper

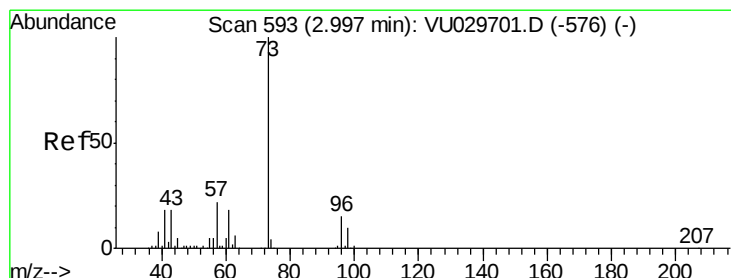
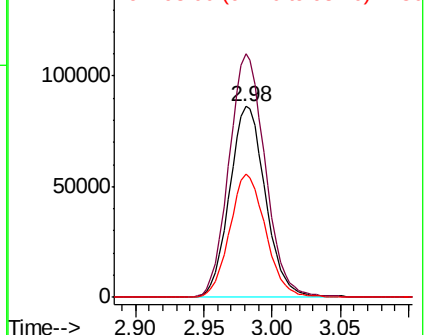
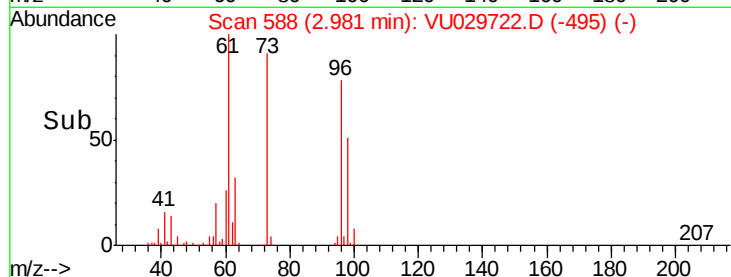
96 100

61 127.4 88.3 163.9

98 64.7 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
150000
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 54.041 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU029722.D

Acq: 27 Feb 2019 22:17

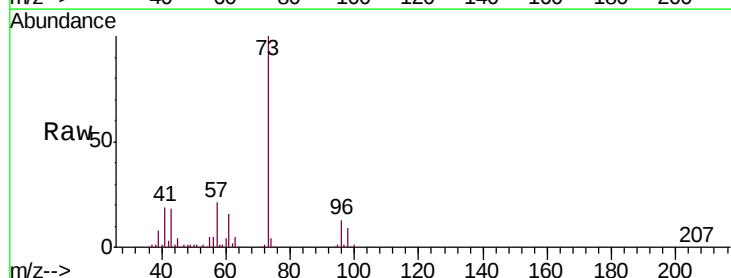
Tgt Ion: 73 Resp: 484267

Ion Ratio Lower Upper

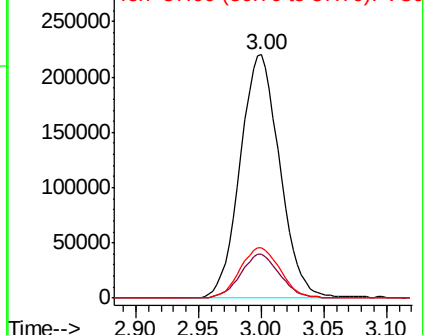
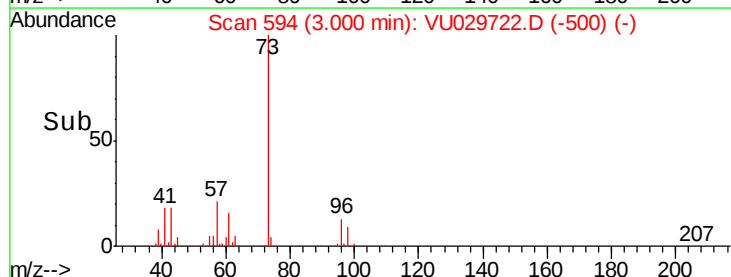
73 100

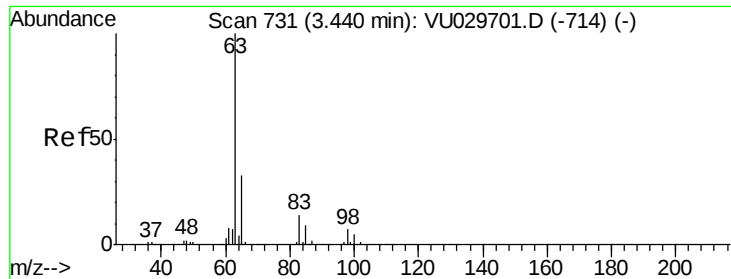
43 17.9 14.8 22.2

57 21.2 16.5 24.7



Abundance Ion 73.00 (72.70 to 73.70): VU0
300000
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 55.937 ug/L

RT: 3.44 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU029722.D

Acq: 27 Feb 2019 22:17

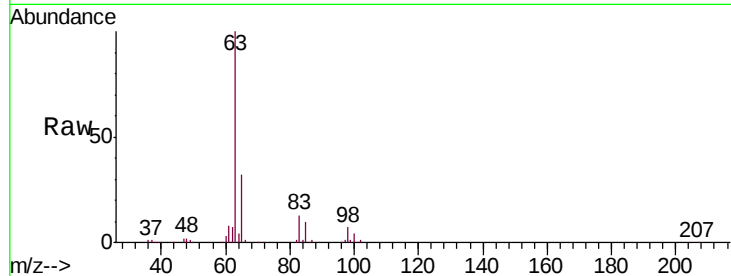
Tgt Ion: 63 Resp: 279959

Ion Ratio Lower Upper

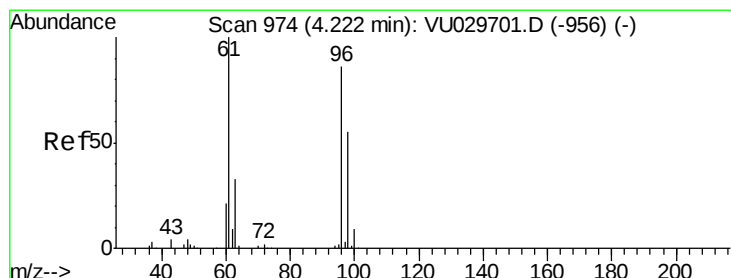
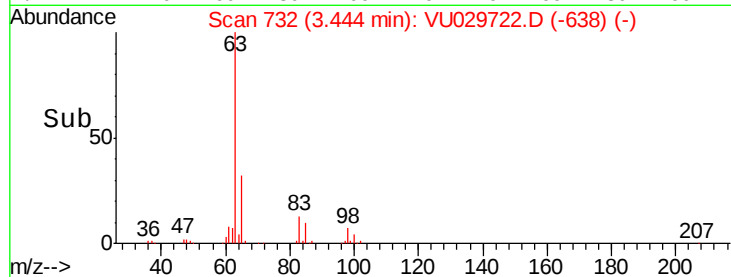
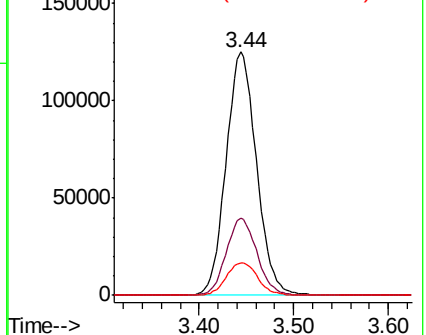
63 100

65 31.6 22.3 41.3

83 13.4 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: 54.403 ug/L

RT: 4.23 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU029722.D

Acq: 27 Feb 2019 22:17

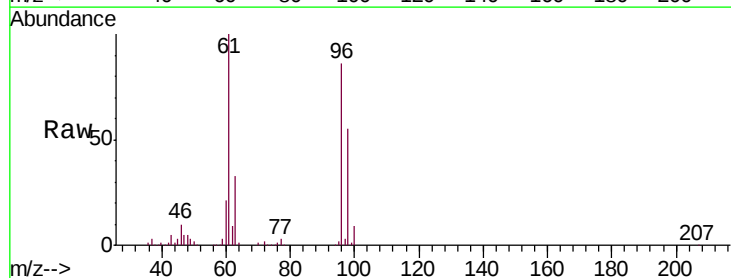
Tgt Ion: 96 Resp: 182971

Ion Ratio Lower Upper

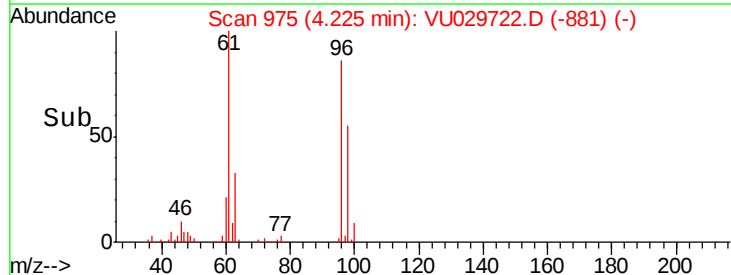
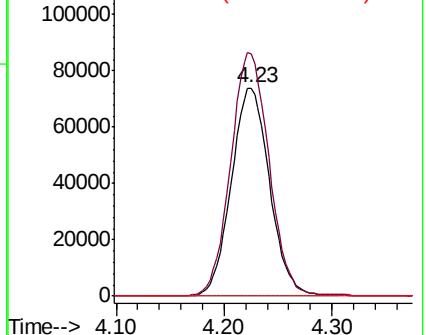
96 100

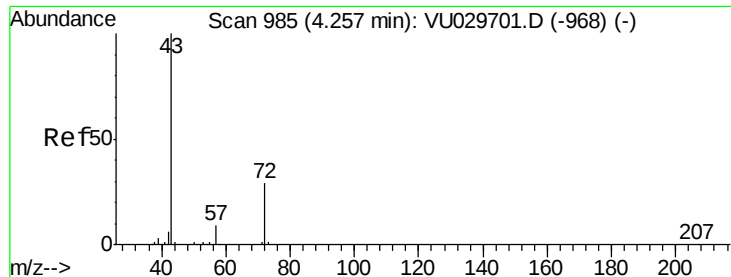
61 116.6 83.9 155.7

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: 100.188 ug/L

RT: 4.26 min Scan# 986

Delta R.T. 0.00 min

Lab File: VU029722.D

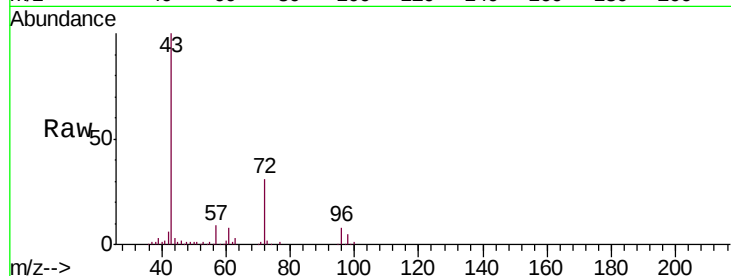
Acq: 27 Feb 2019 22:17

Tgt Ion: 43 Resp: 258007

Ion Ratio Lower Upper

43 100

72 31.2 15.2 45.6



Abundance Ion 43.00 (42.70 to 43.70): VU029701.D (-968) (-)

Ion 72.00 (71.70 to 72.70): VU029701.D (-968) (-)

4.26

100000

80000

60000

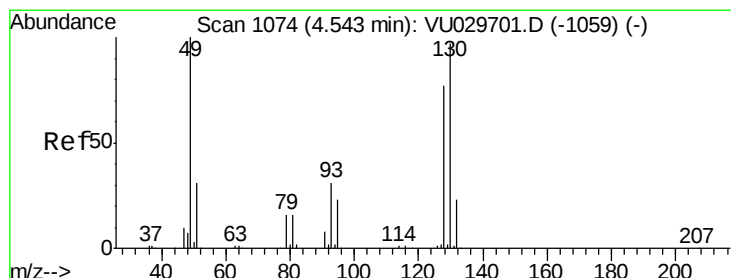
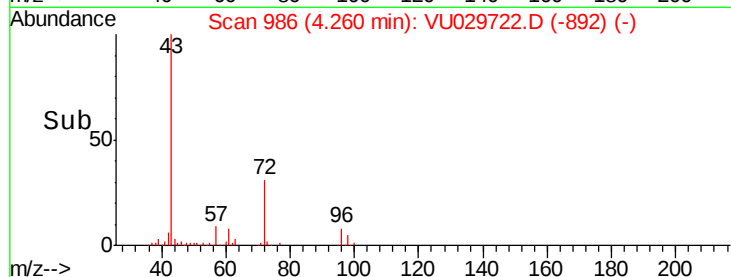
40000

20000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 51.515 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU029722.D

Acq: 27 Feb 2019 22:17

Tgt Ion: 128 Resp: 94978

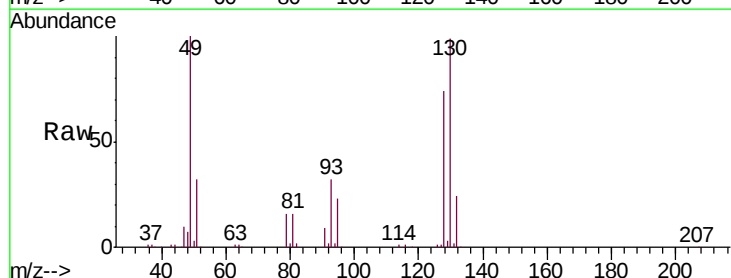
Ion Ratio Lower Upper

128 100

49 134.5 85.9 159.5

130 133.9 91.3 169.5

51 42.5 32.2 48.2



Abundance Ion 128.00 (127.70 to 128.70): VU029701.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU029701.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU029701.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU029701.D (-1059) (-)

80000

60000

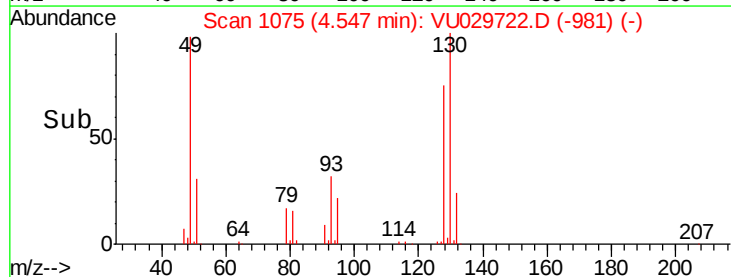
40000

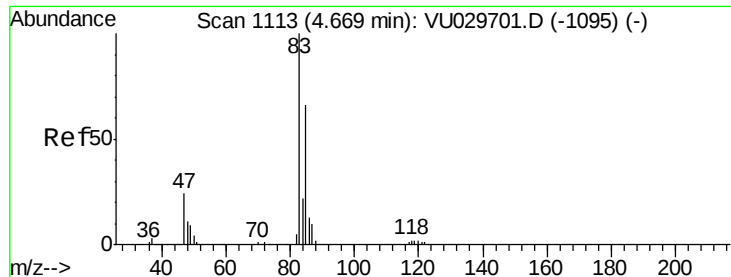
20000

0

4.50 4.60

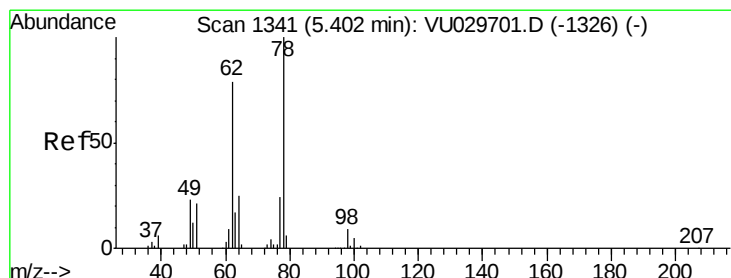
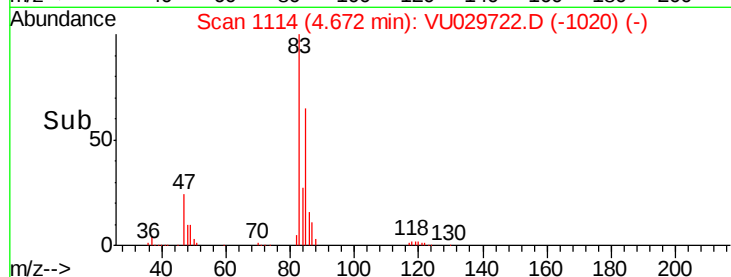
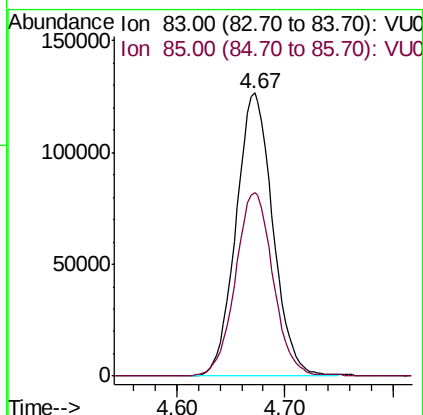
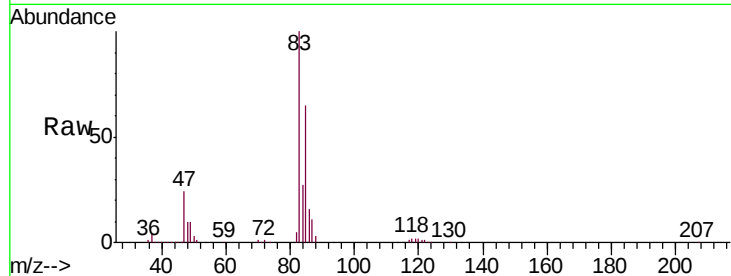
Time-->





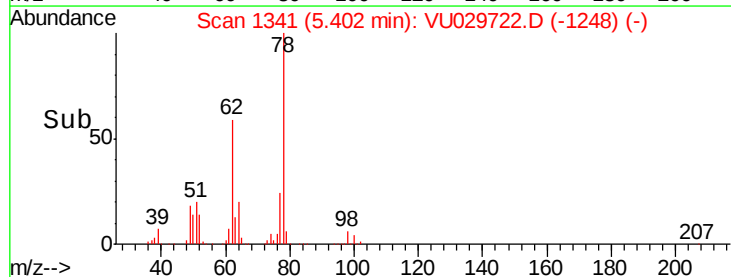
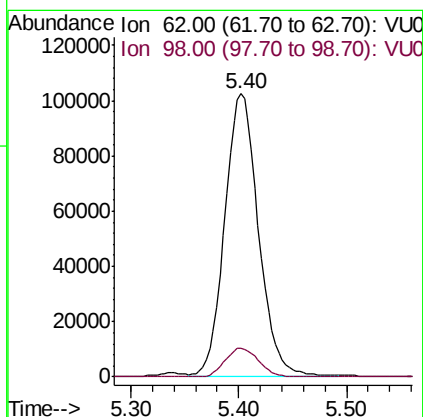
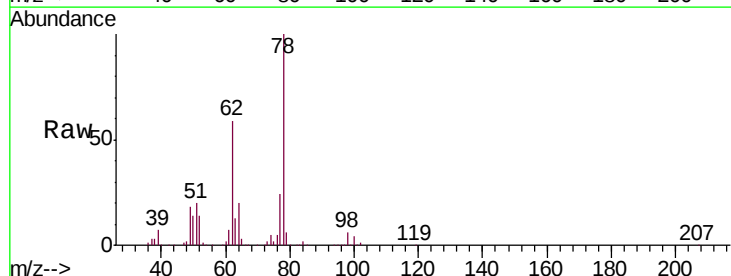
#25
Chloroform
Concen: 53.876 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029722.D
Acq: 27 Feb 2019 22:17

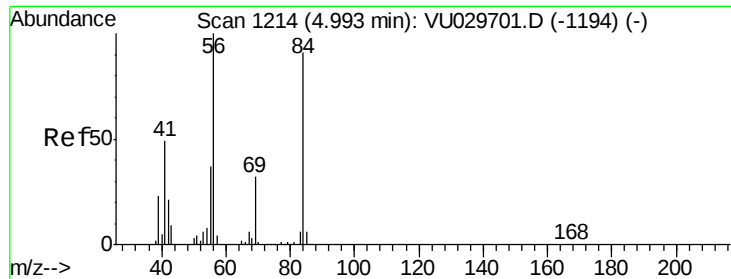
Tgt Ion: 83 Resp: 300849
Ion Ratio Lower Upper
83 100
85 65.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 52.073 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU029722.D
Acq: 27 Feb 2019 22:17

Tgt Ion: 62 Resp: 223563
Ion Ratio Lower Upper
62 100
98 10.1 7.8 11.8





#29

Cyclohexane

Concen: 52.760 ug/L

RT: 4.99 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VU029722.D

Acq: 27 Feb 2019 22:17

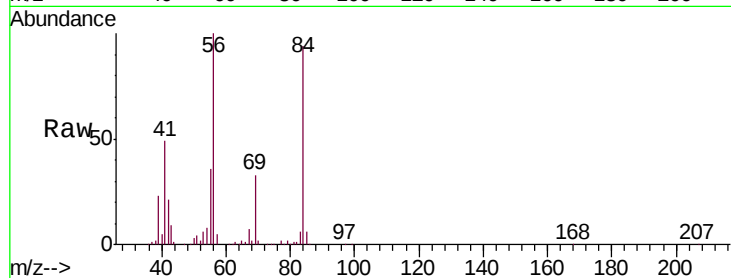
Tgt Ion: 56 Resp: 244586

Ion Ratio Lower Upper

56 100

69 32.0 25.7 38.5

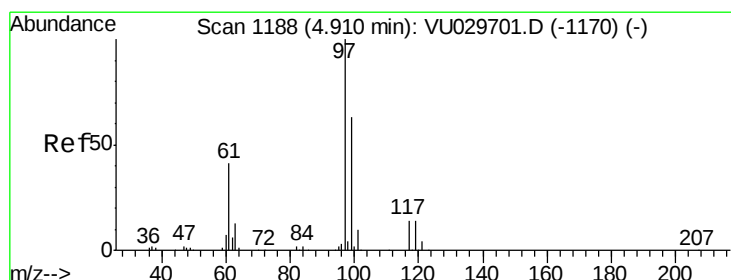
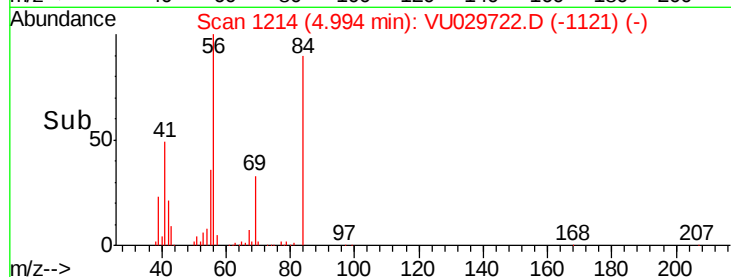
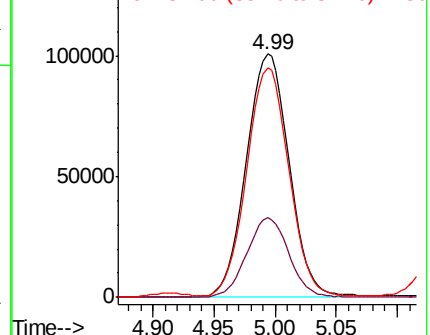
84 93.9 77.1 115.7



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: 51.190 ug/L

RT: 4.91 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU029722.D

Acq: 27 Feb 2019 22:17

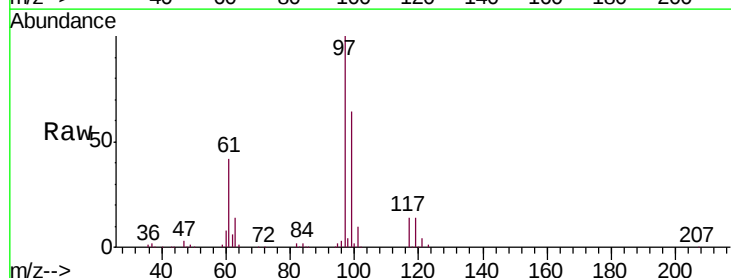
Tgt Ion: 97 Resp: 254256

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

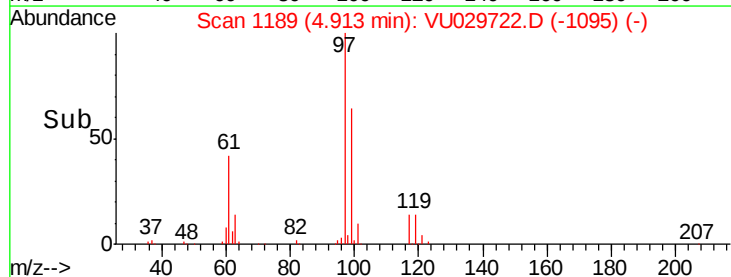
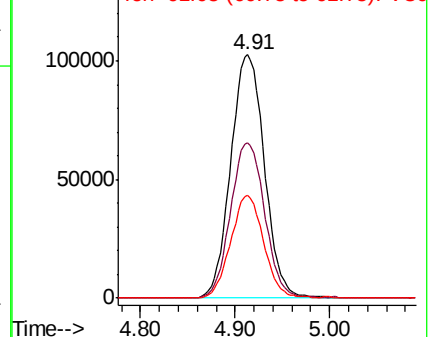
61 41.4 32.3 48.5

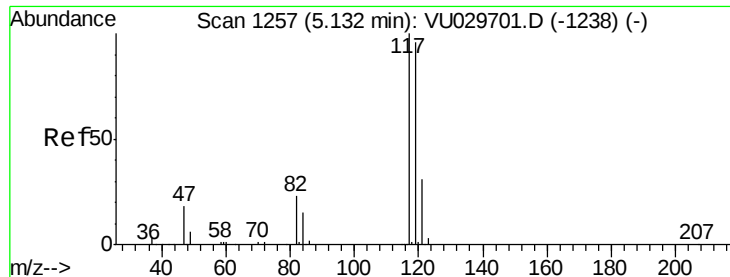


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 48.708 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029722.D

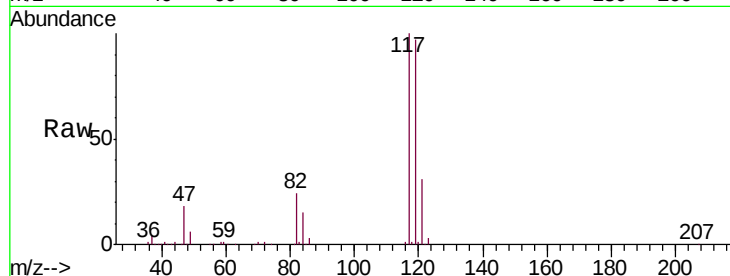
Acq: 27 Feb 2019 22:17

Tgt Ion: 117 Resp: 218973

Ion Ratio Lower Upper

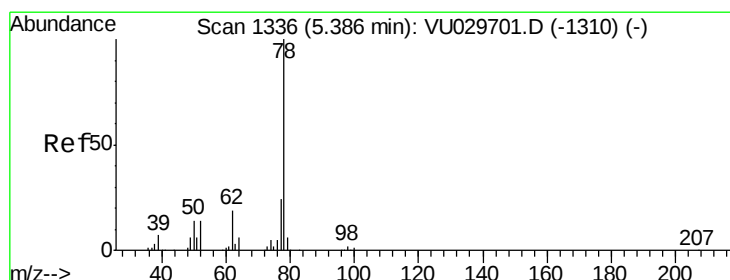
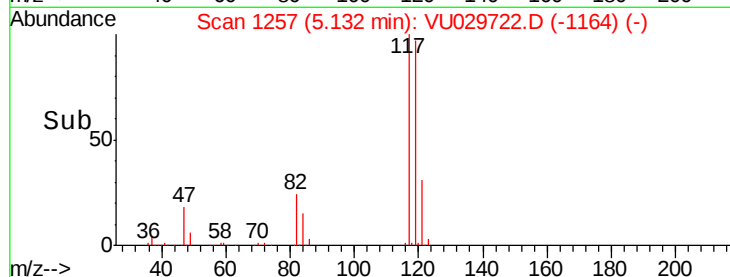
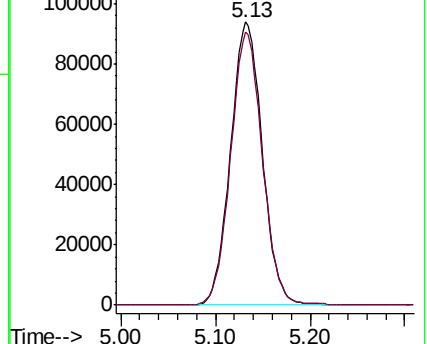
117 100

119 96.0 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 54.609 ug/L

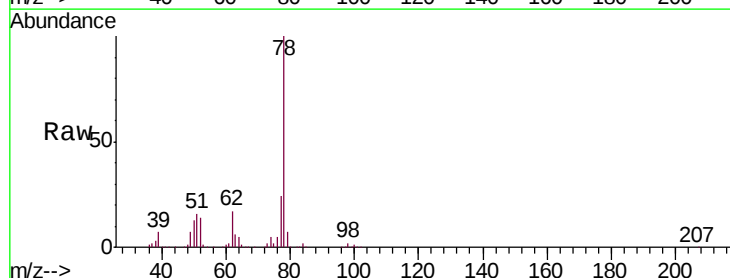
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

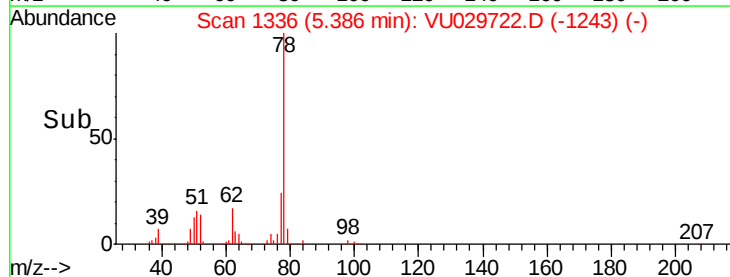
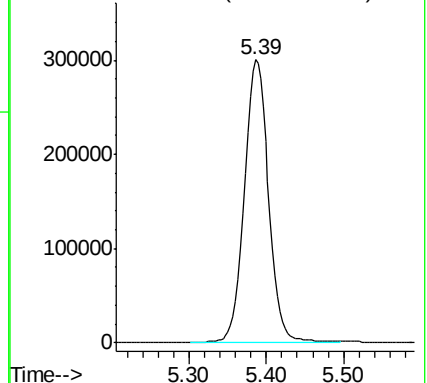
Lab File: VU029722.D

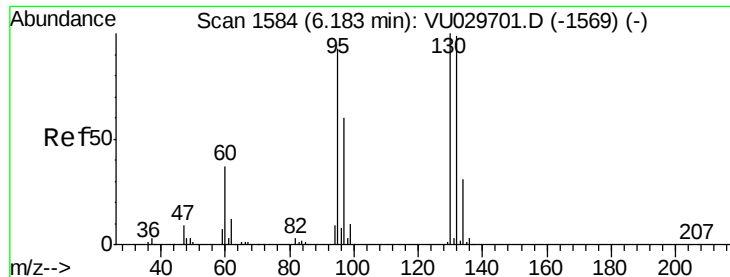
Acq: 27 Feb 2019 22:17

Tgt Ion: 78 Resp: 655866



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 52.975 ug/L

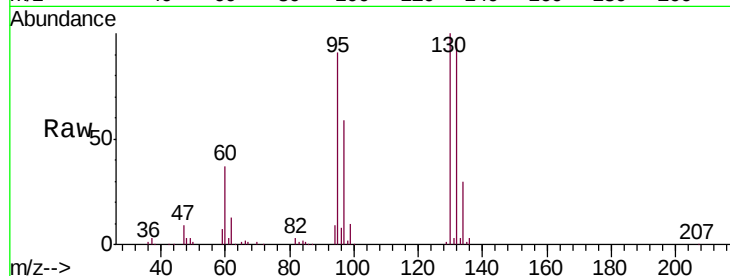
RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

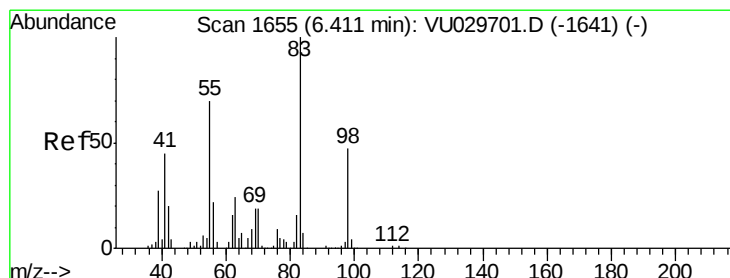
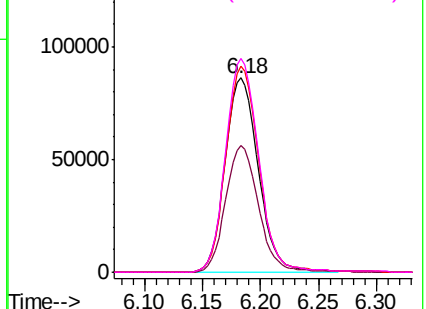
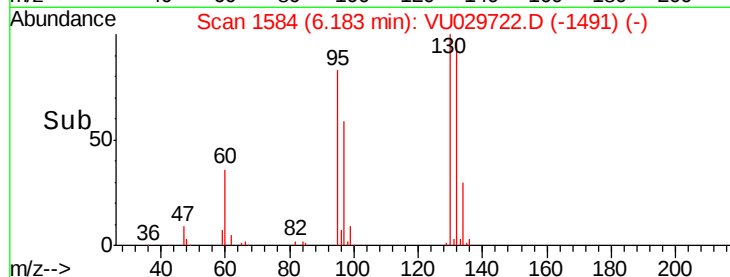
Lab File: VU029722.D

Acq: 27 Feb 2019 22:17

Tgt Ion:	95	Resp:	171398
Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.6	82.8
132	106.4	74.6	138.6
130	110.1	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: 51.603 ug/L

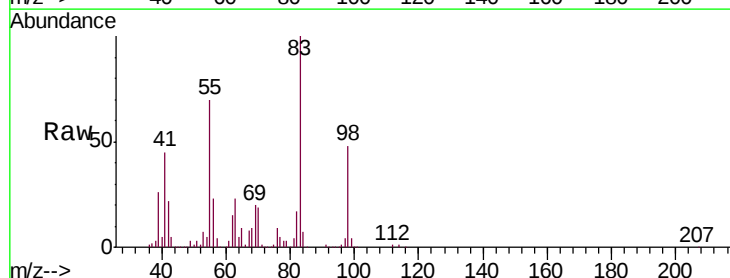
RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

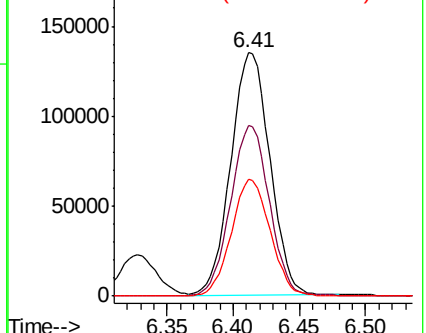
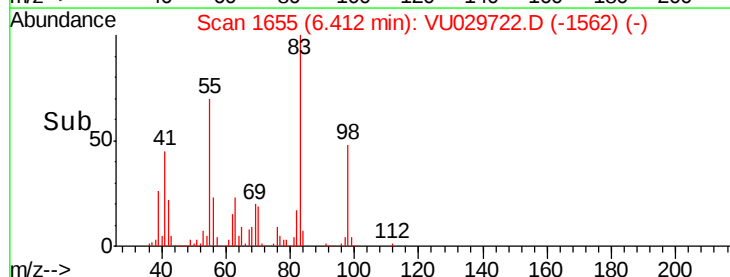
Lab File: VU029722.D

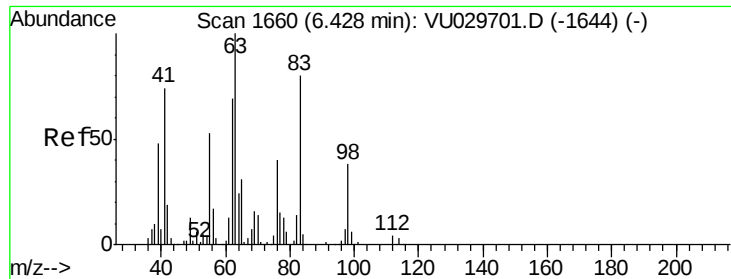
Acq: 27 Feb 2019 22:17

Tgt Ion:	83	Resp:	277271
Ion	Ratio	Lower	Upper
83	100		
55	69.7	55.2	82.8
98	47.7	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: 54.776 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029722.D

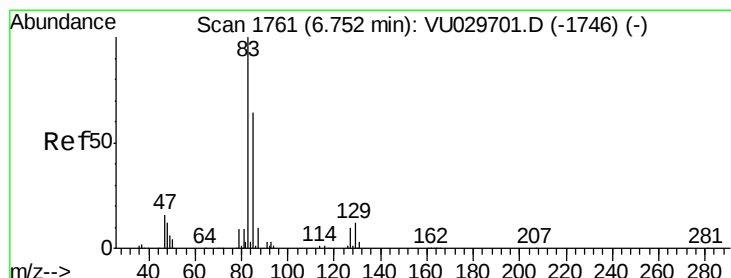
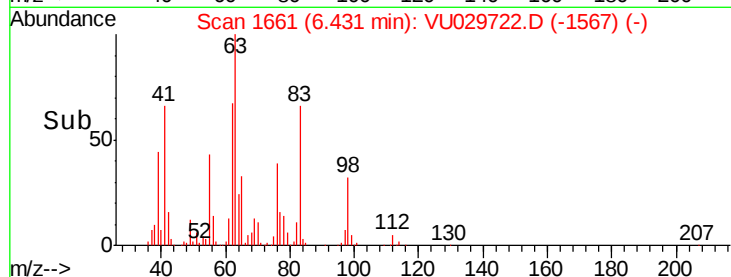
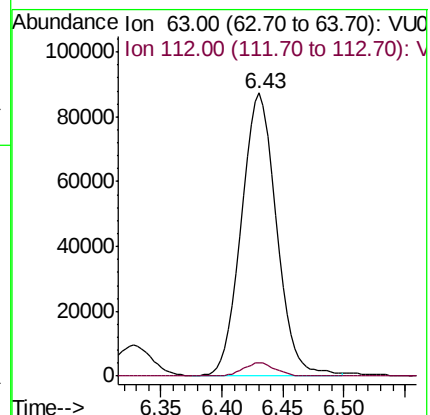
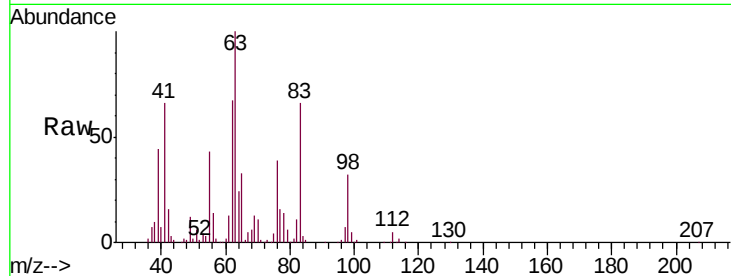
Acq: 27 Feb 2019 22:17

Tgt Ion: 63 Resp: 172695

Ion Ratio Lower Upper

63 100

112 4.3 3.6 5.4



#38

Bromodichloromethane

Concen: 51.453 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU029722.D

Acq: 27 Feb 2019 22:17

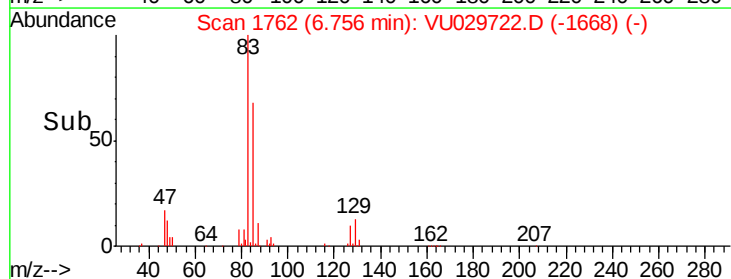
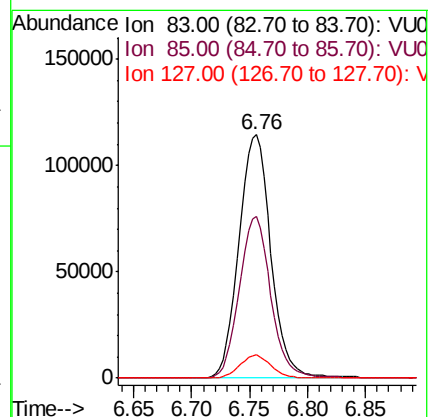
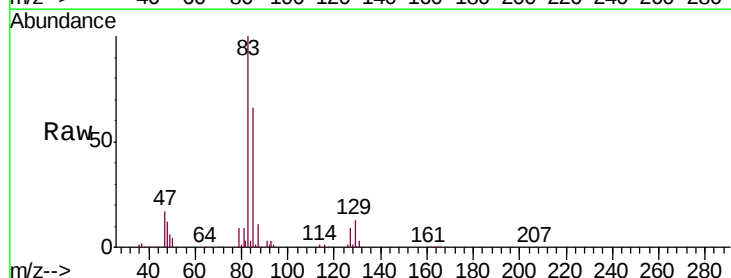
Tgt Ion: 83 Resp: 218692

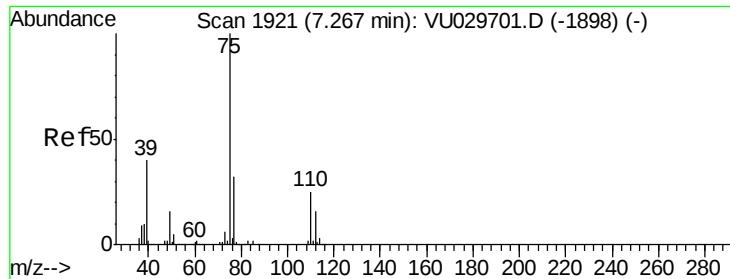
Ion Ratio Lower Upper

83 100

85 66.2 44.2 82.0

127 9.4 8.3 12.5

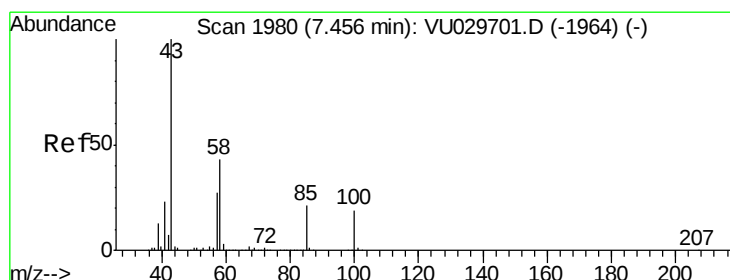
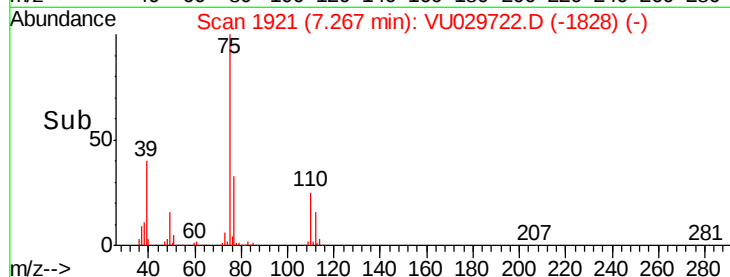
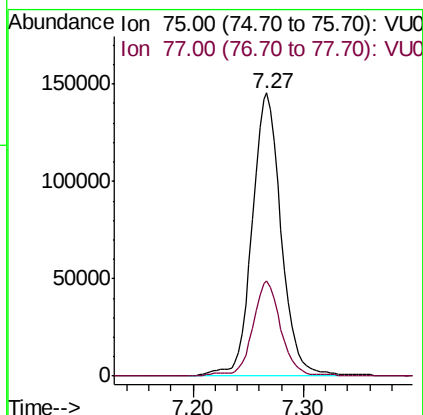
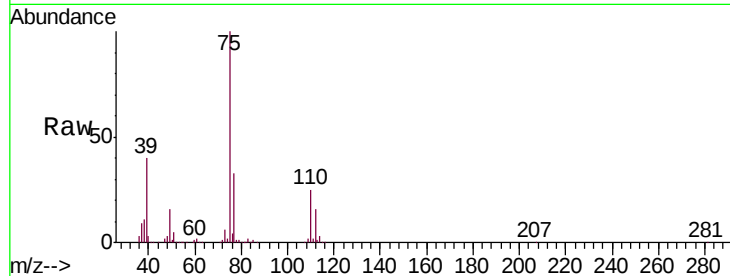




#39

cis-1,3-Dichloropropene
Concen: 52.174 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VU029722.D
Acq: 27 Feb 2019 22:17

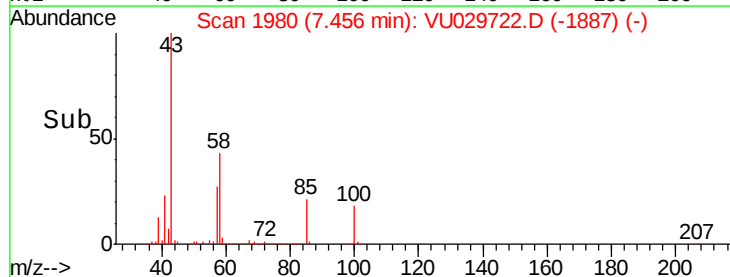
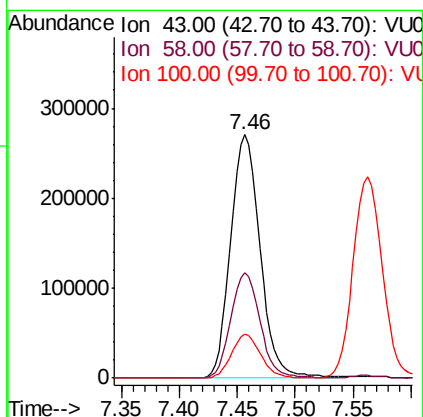
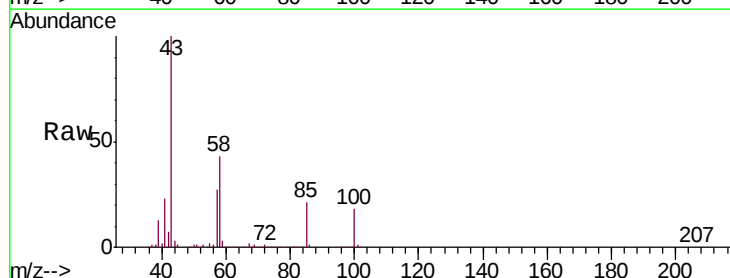
Tgt Ion: 75 Resp: 265389
Ion Ratio Lower Upper
75 100
77 33.5 22.3 41.5

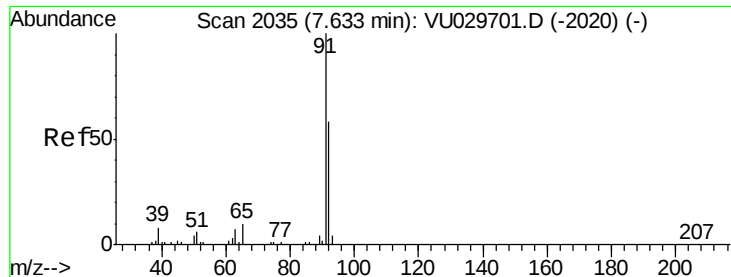


#40

4-Methyl-2-pentanone
Concen: 107.279 ug/L
RT: 7.46 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VU029722.D
Acq: 27 Feb 2019 22:17

Tgt Ion: 43 Resp: 475616
Ion Ratio Lower Upper
43 100
58 43.1 33.0 49.4
100 17.8 14.5 21.7





#42

Toluene

Concen: 51.768 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029722.D

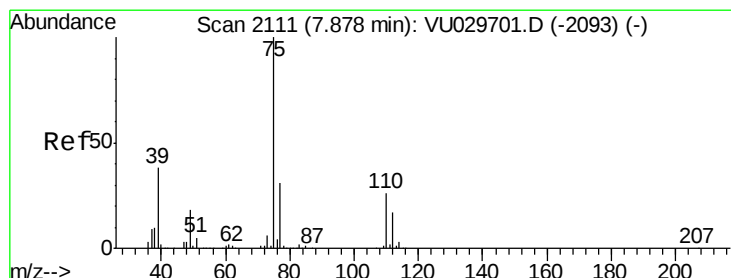
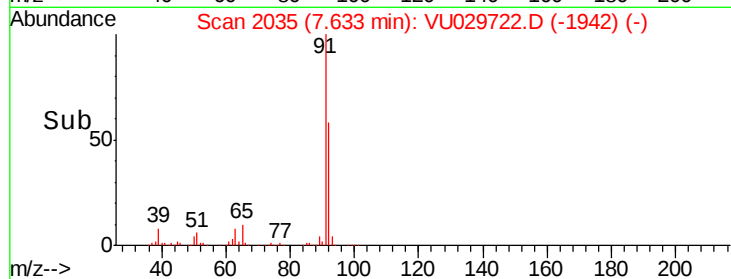
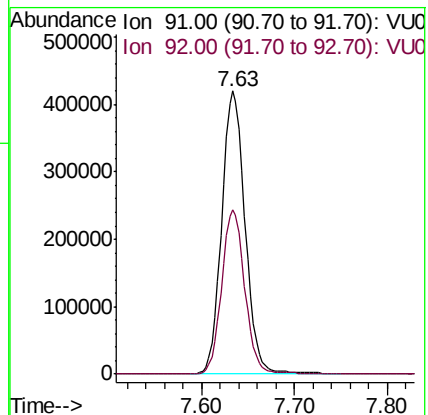
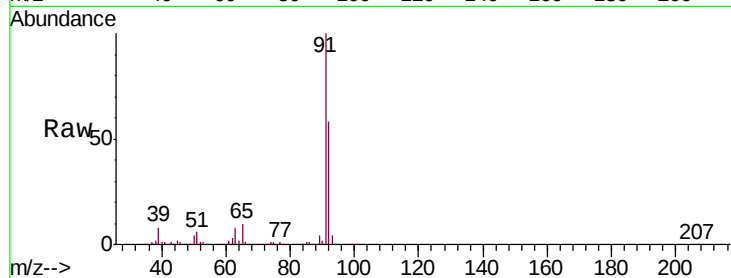
Acq: 27 Feb 2019 22:17

Tgt Ion: 91 Resp: 735272

Ion Ratio Lower Upper

91 100

92 58.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 50.699 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029722.D

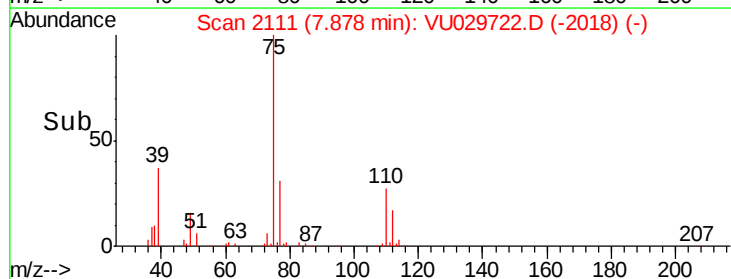
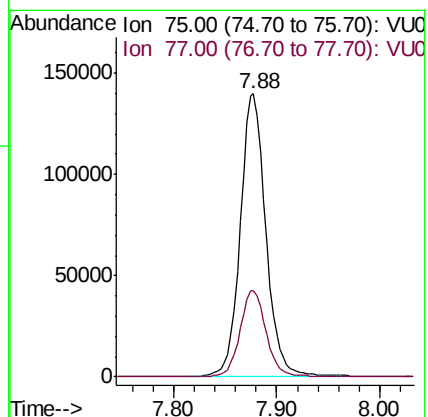
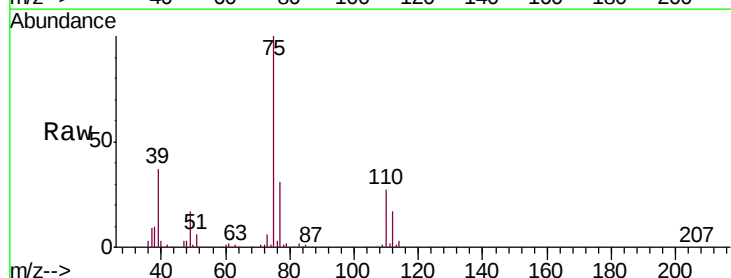
Acq: 27 Feb 2019 22:17

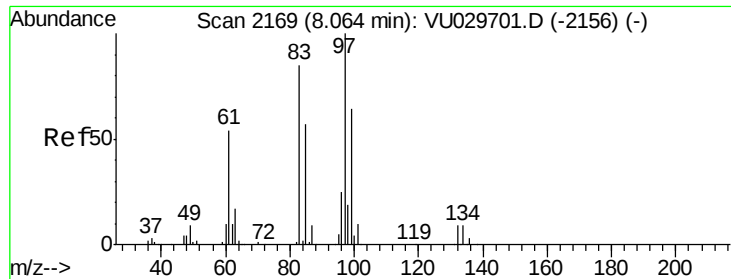
Tgt Ion: 75 Resp: 243042

Ion Ratio Lower Upper

75 100

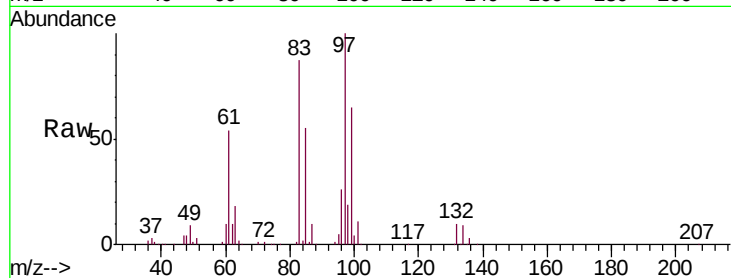
77 30.7 22.1 41.1



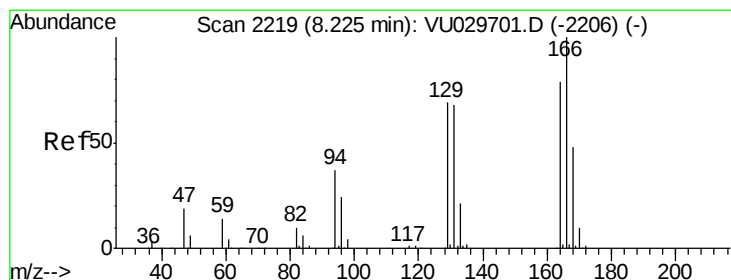
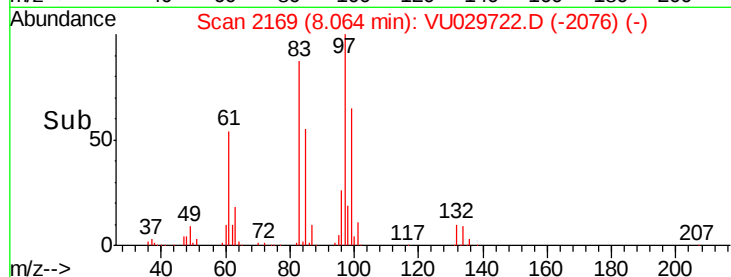
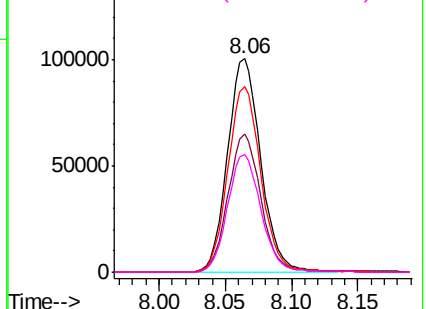


#45
 1,1,2-Trichloroethane
 Concen: 52.244 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU029722.D
 Acq: 27 Feb 2019 22:17

Tgt Ion:	97	Resp:	175562
Ion	Ratio	Lower	Upper
97	100		
99	64.8	43.8	81.3
83	87.2	57.7	107.1
85	55.3	38.5	71.5

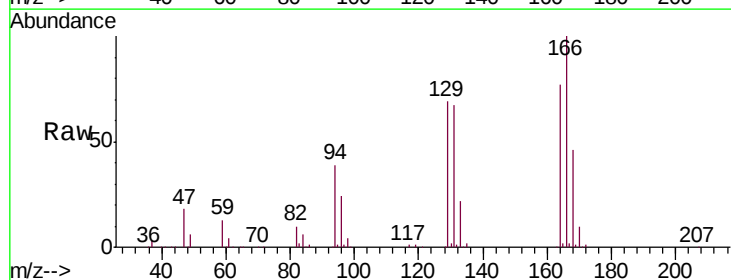


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

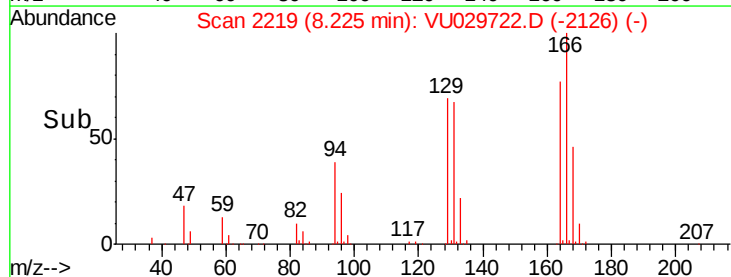
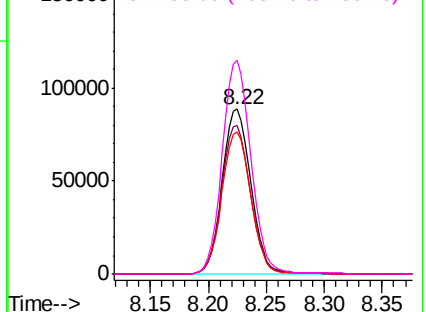


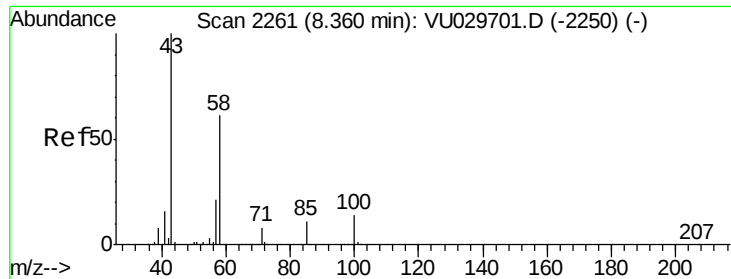
#46
 Tetrachloroethene
 Concen: 48.094 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029722.D
 Acq: 27 Feb 2019 22:17

Tgt Ion:	164	Resp:	152303
Ion	Ratio	Lower	Upper
164	100		
129	89.9	62.1	115.3
131	86.3	60.1	111.5
166	129.8	89.7	166.5



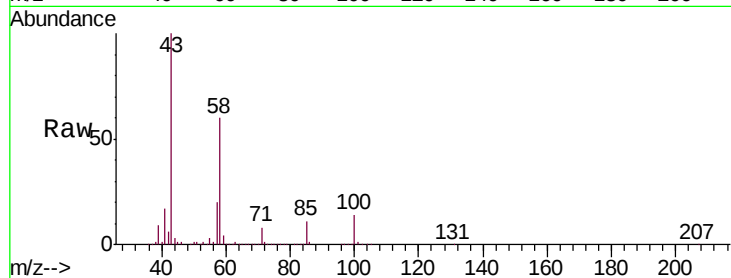
Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V



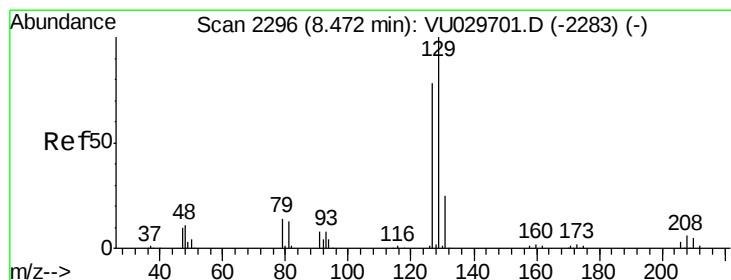
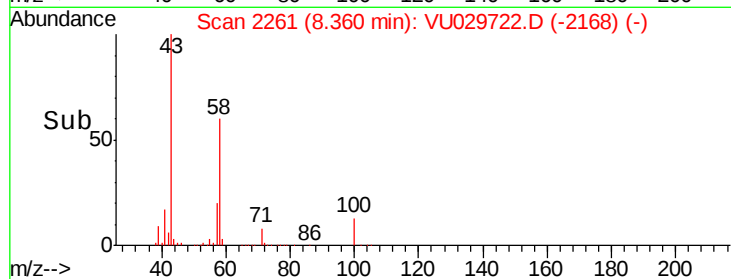
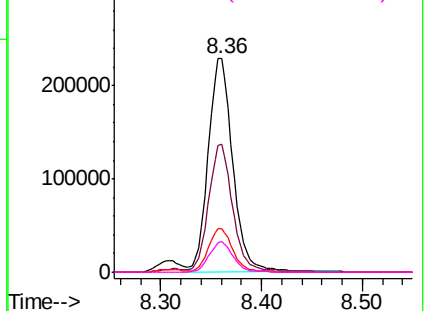


#48
2-Hexanone
Concen: 99.488 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU029722.D
Acq: 27 Feb 2019 22:17

Tgt Ion:	43	Resp:	385314
Ion	Ratio	Lower	Upper
43	100		
58	58.3	46.4	69.6
57	20.5	15.7	23.5
100	14.0	10.9	16.3

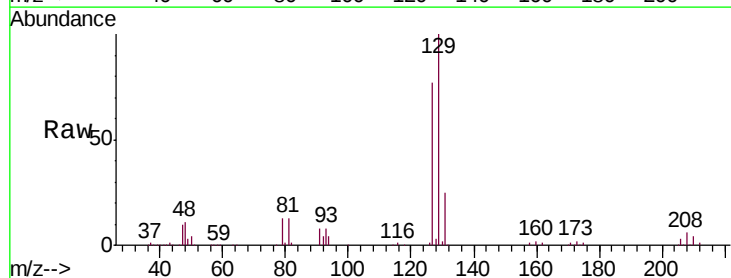


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

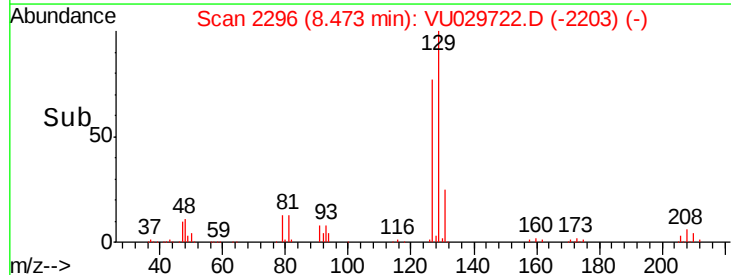
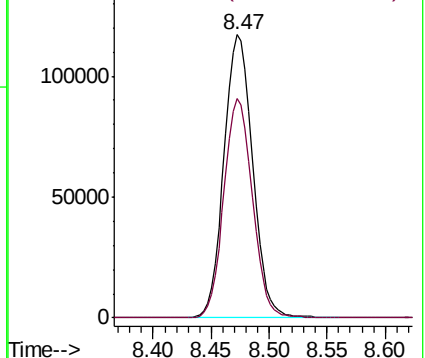


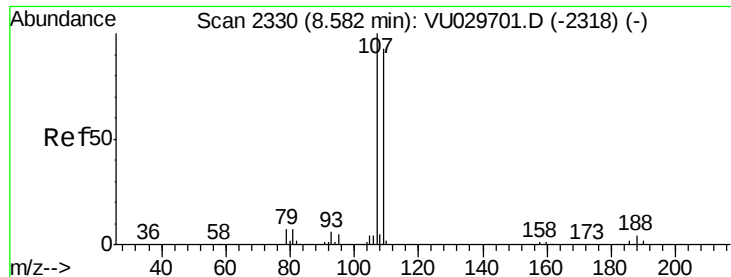
#49
Dibromochloromethane
Concen: 49.318 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029722.D
Acq: 27 Feb 2019 22:17

Tgt Ion:	129	Resp:	200918
Ion	Ratio	Lower	Upper
129	100		
127	77.3	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: 52.042 ug/L

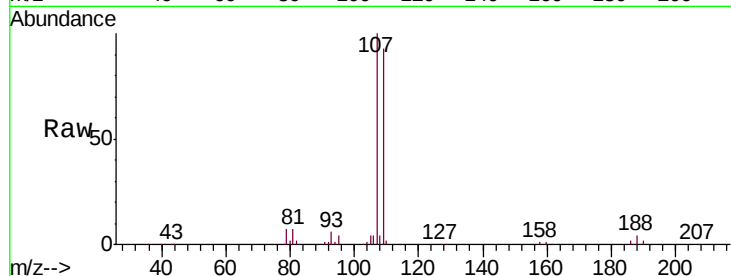
RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

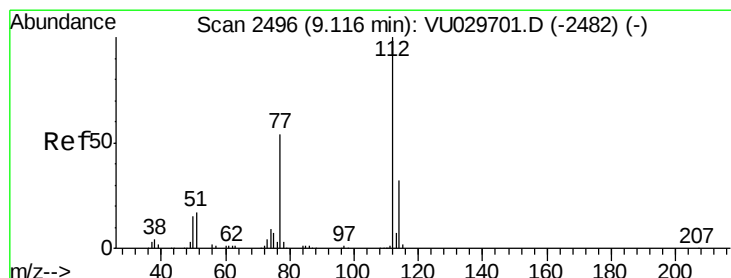
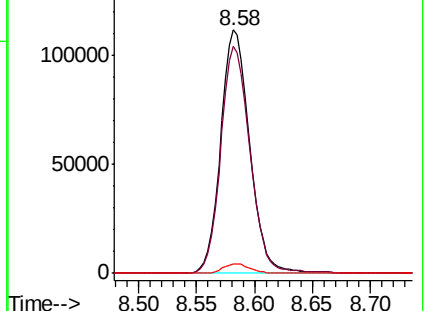
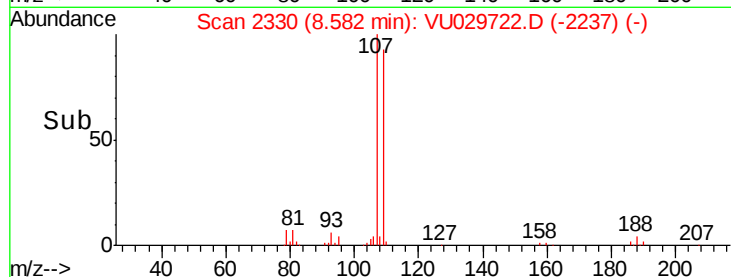
Lab File: VU029722.D

Acq: 27 Feb 2019 22:17

Tgt Ion:	107	Resp:	193758
Ion	Ratio	Lower	Upper
107	100		
109	93.1	66.4	123.4
188	4.0	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: 50.880 ug/L

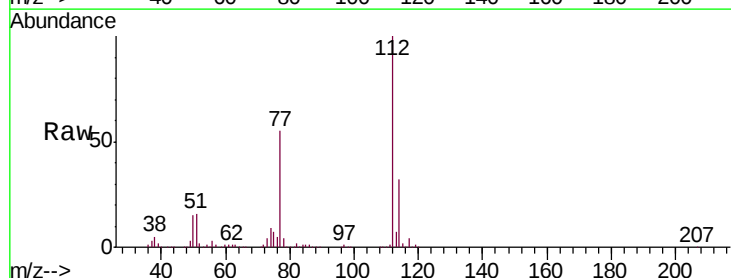
RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

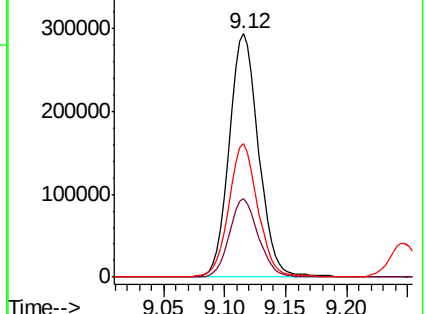
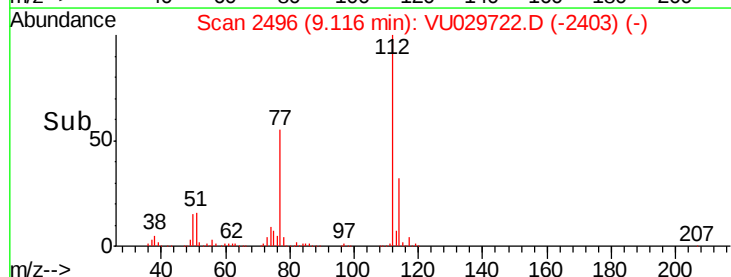
Lab File: VU029722.D

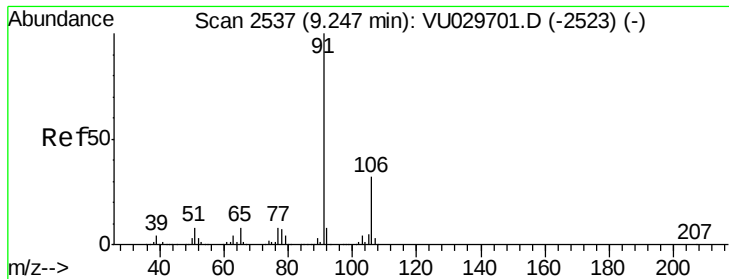
Acq: 27 Feb 2019 22:17

Tgt Ion:	112	Resp:	496005
Ion	Ratio	Lower	Upper
112	100		
114	32.1	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): V





#52

Ethylbenzene

Concen: 50.313 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029722.D

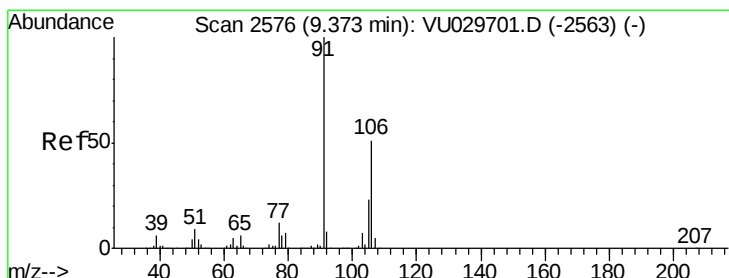
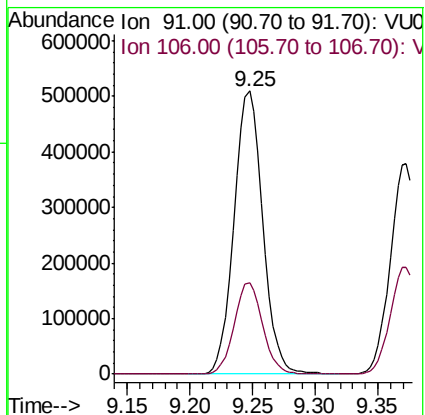
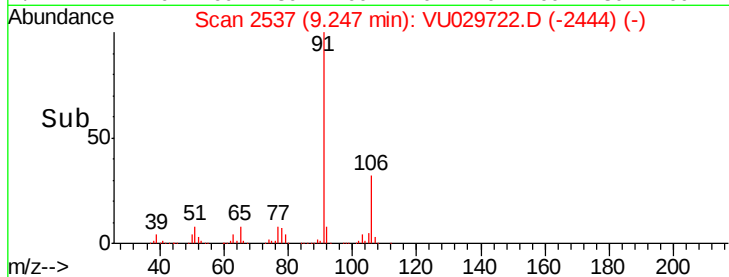
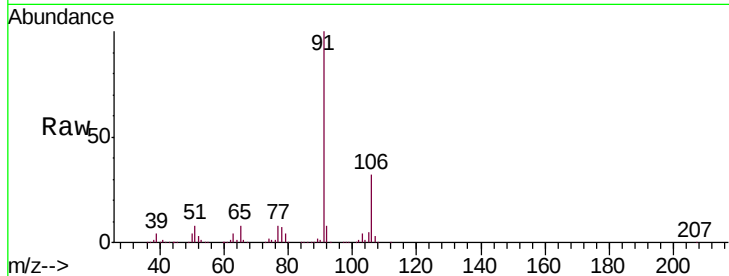
Acq: 27 Feb 2019 22:17

Tgt Ion: 91 Resp: 811600

Ion Ratio Lower Upper

91 100

106 32.4 22.7 42.1



#53

m,p-Xylene

Concen: 49.624 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029722.D

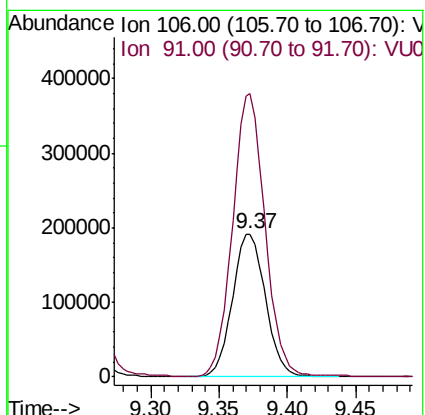
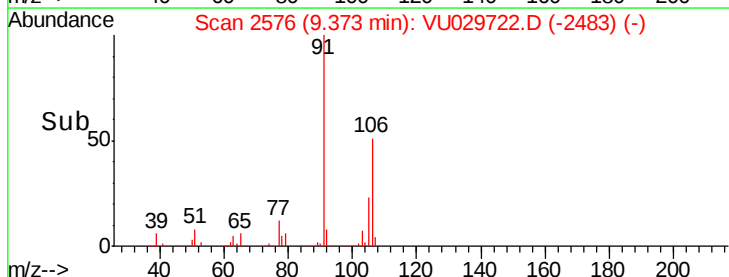
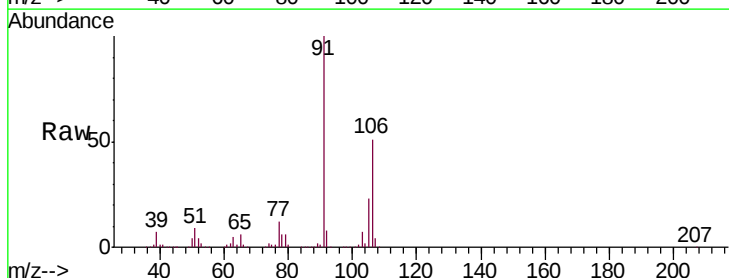
Acq: 27 Feb 2019 22:17

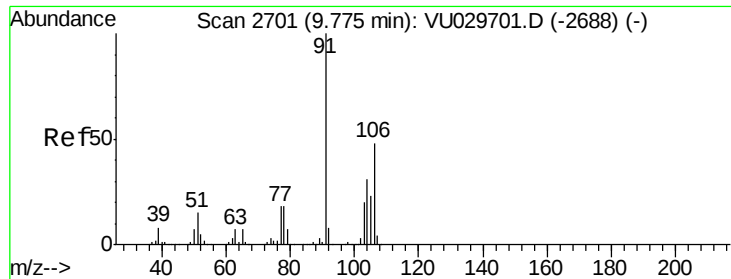
Tgt Ion: 106 Resp: 321332

Ion Ratio Lower Upper

106 100

91 197.7 135.3 251.3





#54

o-xylene

Concen: 49.080 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU029722.D

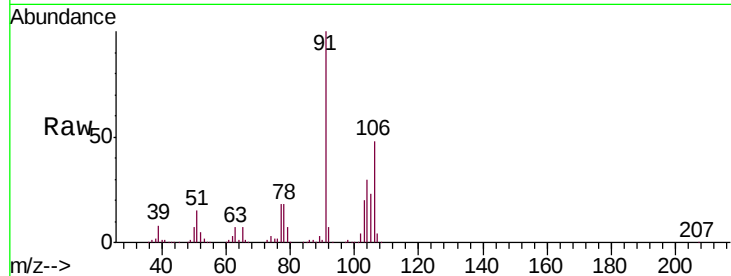
Acq: 27 Feb 2019 22:17

Tgt Ion:106 Resp: 319232

Ion Ratio Lower Upper

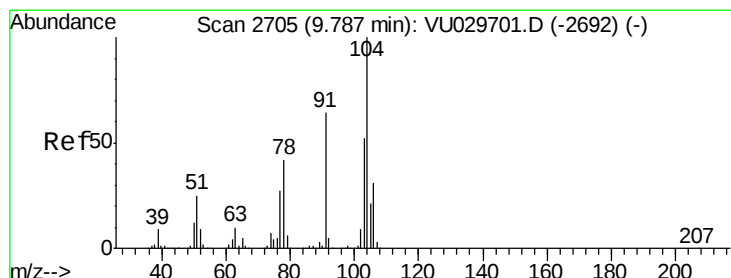
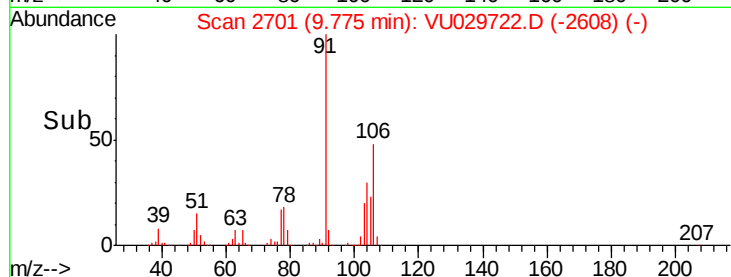
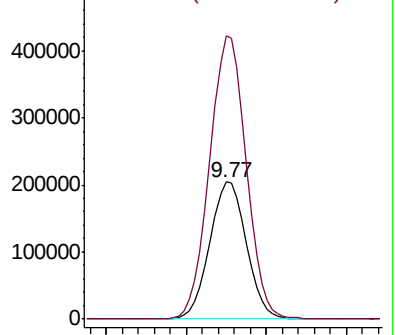
106 100

91 206.2 144.5 268.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 48.934 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU029722.D

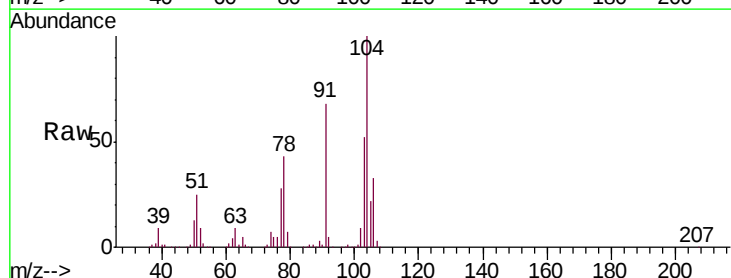
Acq: 27 Feb 2019 22:17

Tgt Ion:104 Resp: 537296

Ion Ratio Lower Upper

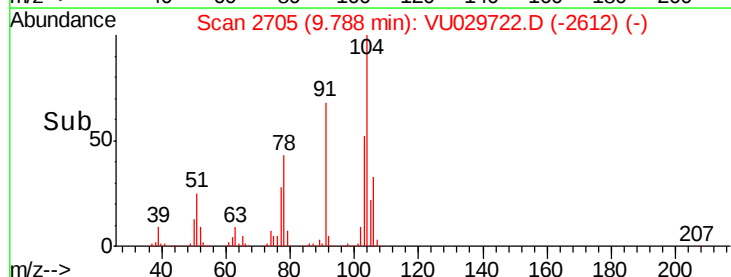
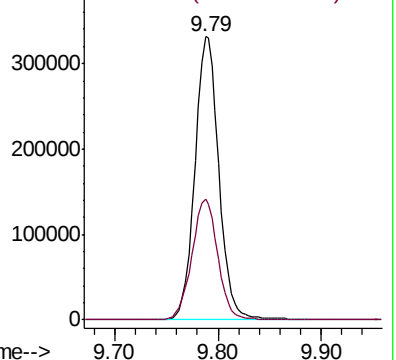
104 100

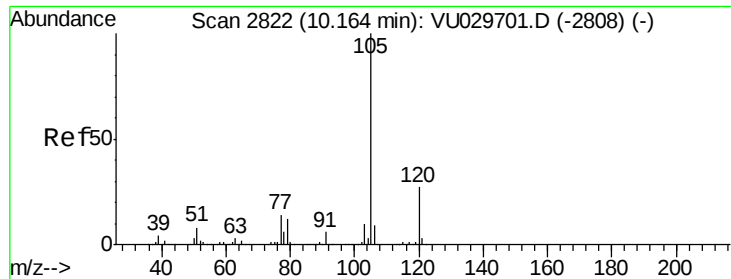
78 42.6 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

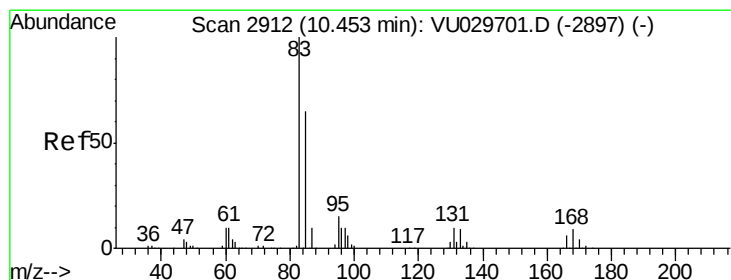
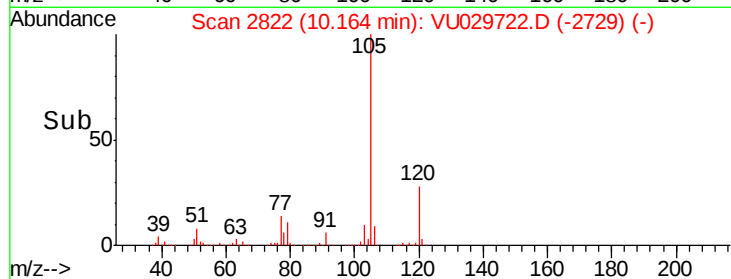
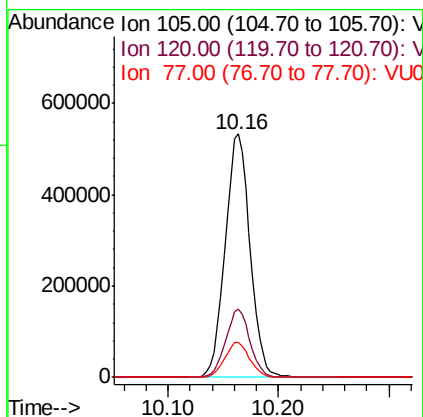
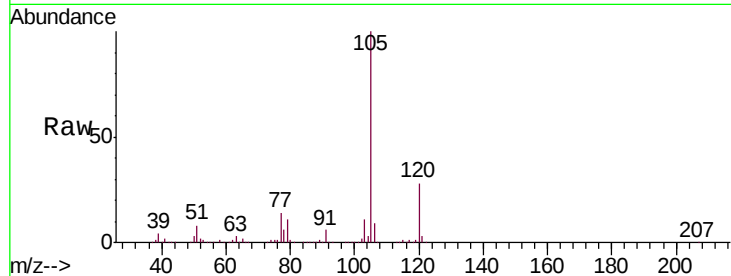
Ion 78.00 (77.70 to 78.70): VU0





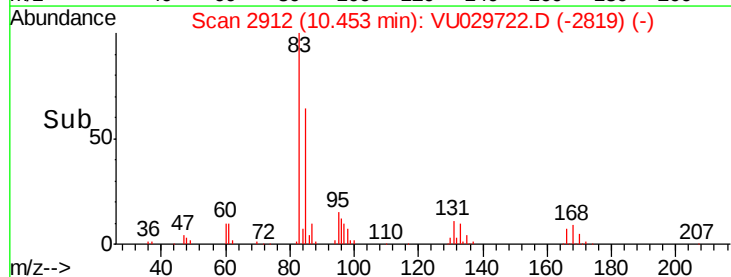
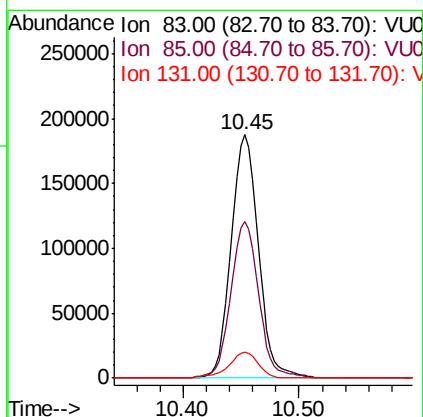
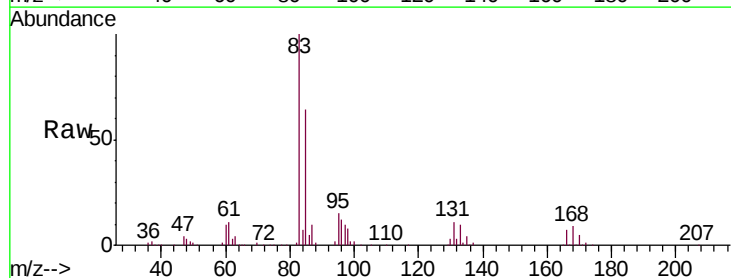
#56
Isopropylbenzene
Concen: 48.887 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU029722.D
Acq: 27 Feb 2019 22:17

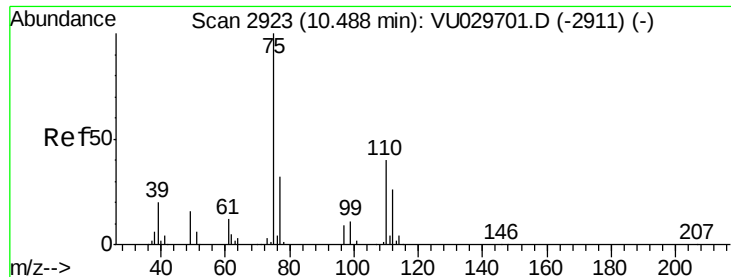
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	21.9	32.9
77	14.4	11.7	17.5



#58
1,1,2,2-Tetrachloroethane
Concen: 51.166 ug/L
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU029722.D
Acq: 27 Feb 2019 22:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	45.5	84.5
131	10.6	8.6	12.8





#59

1,2,3-Trichloropropane

Concen: 51.063 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU029722.D

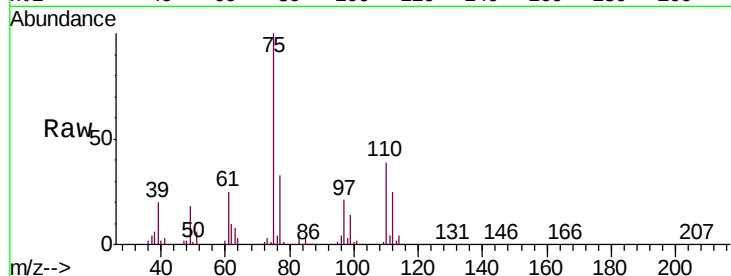
Acq: 27 Feb 2019 22:17

Tgt Ion: 75 Resp: 229540

Ion Ratio Lower Upper

75 100

77 32.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU029701.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU029701.D (-2911) (-)

10.49

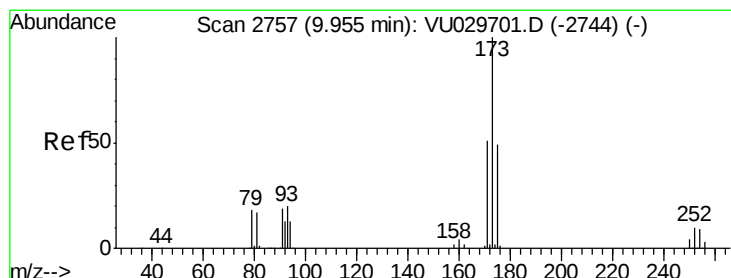
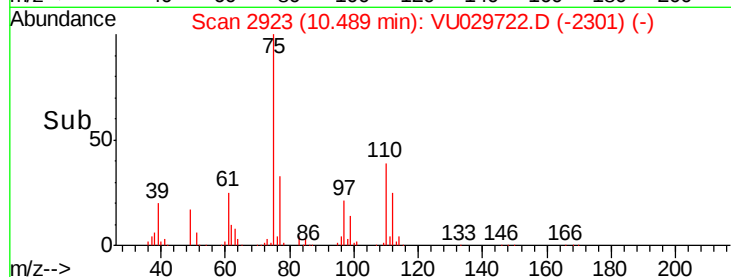
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 47.052 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU029722.D

Acq: 27 Feb 2019 22:17

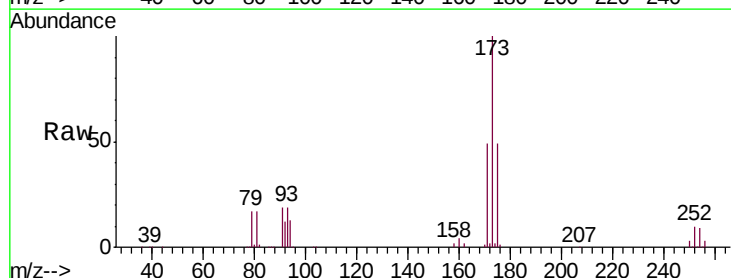
Tgt Ion: 173 Resp: 159947

Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

254 9.6 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): VU029701.D (-2744) (-)

Ion 175.00 (174.70 to 175.70): VU029701.D (-2744) (-)

Ion 254.00 (253.70 to 254.70): VU029701.D (-2744) (-)

9.95

120000

100000

80000

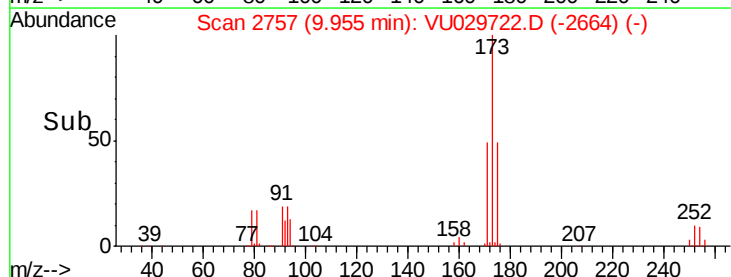
60000

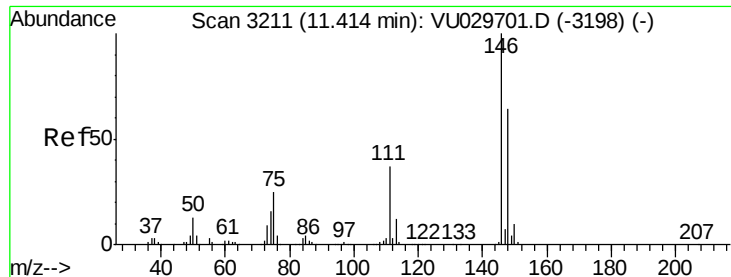
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 49.331 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU029722.D

Acq: 27 Feb 2019 22:17

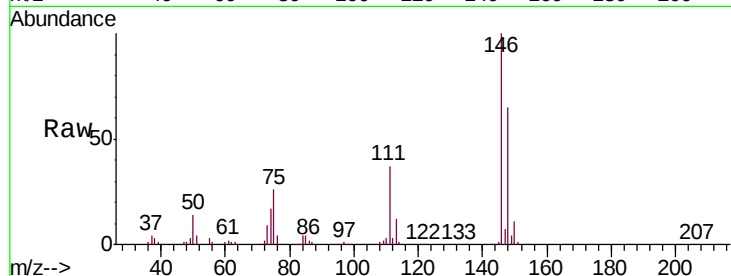
Tgt Ion:146 Resp: 397031

Ion Ratio Lower Upper

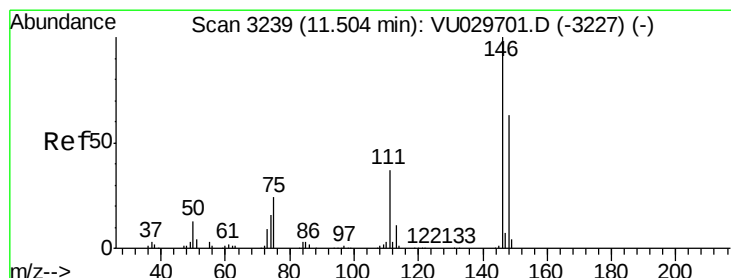
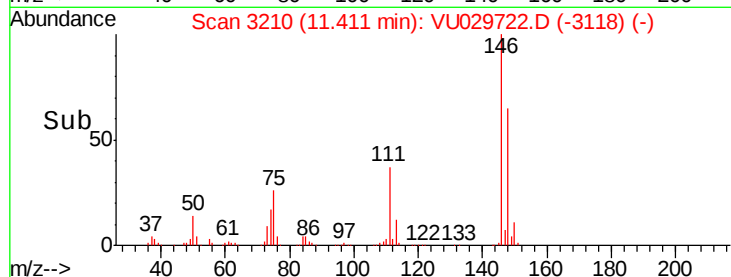
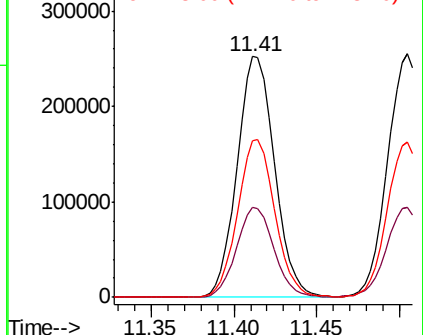
146 100

111 37.4 26.7 49.5

148 64.8 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: 49.515 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029722.D

Acq: 27 Feb 2019 22:17

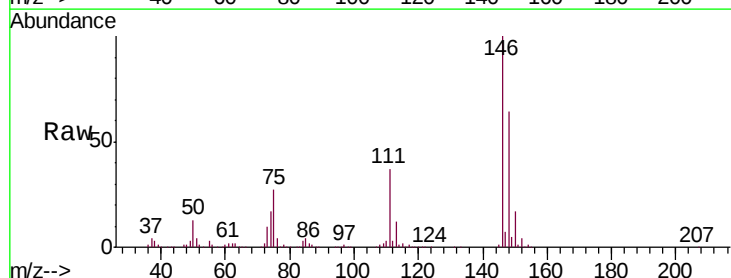
Tgt Ion:146 Resp: 401046

Ion Ratio Lower Upper

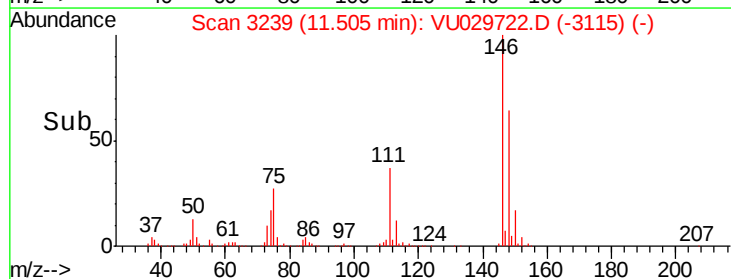
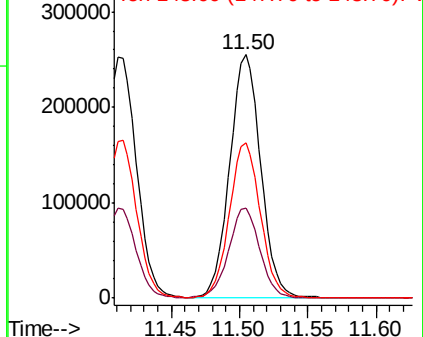
146 100

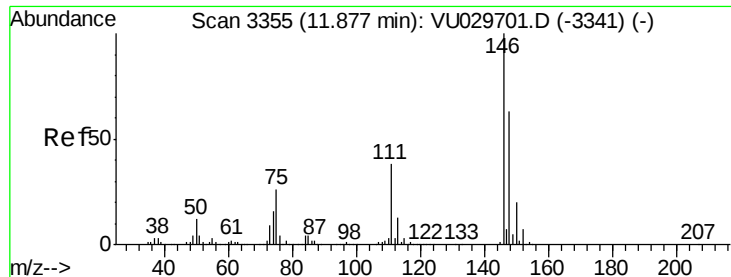
111 37.0 25.1 46.5

148 63.6 45.0 83.6



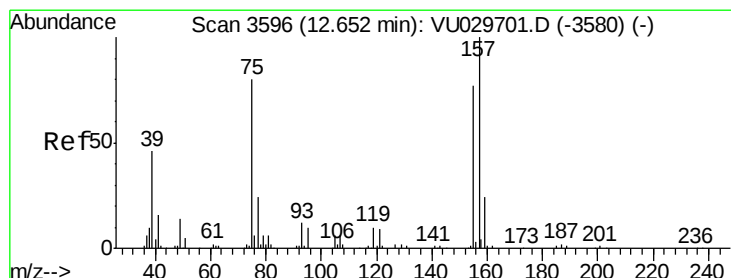
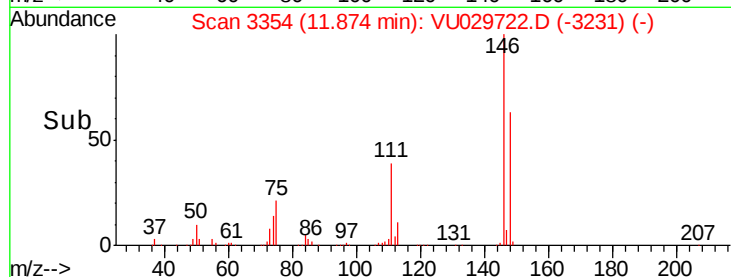
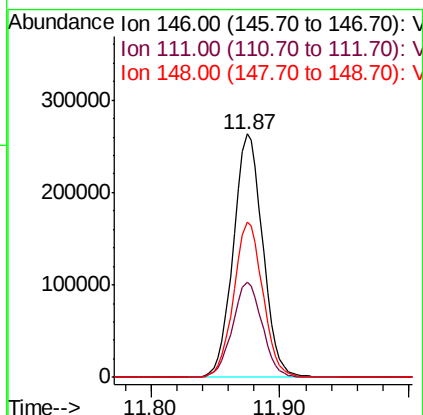
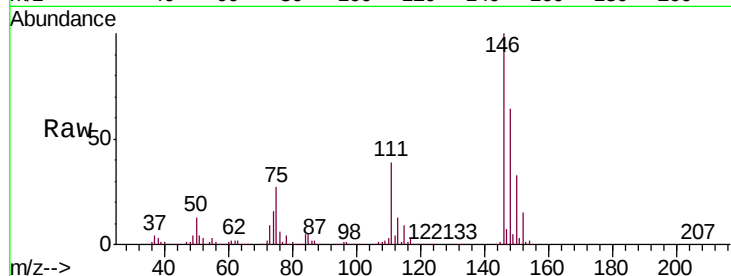
Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





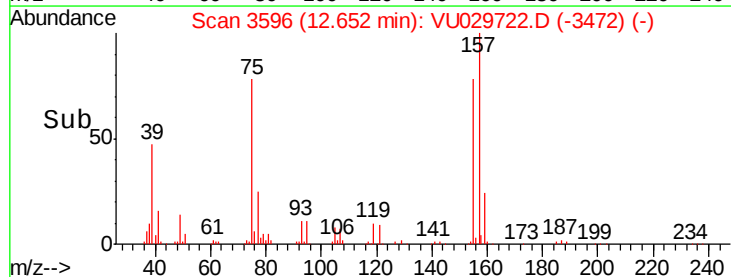
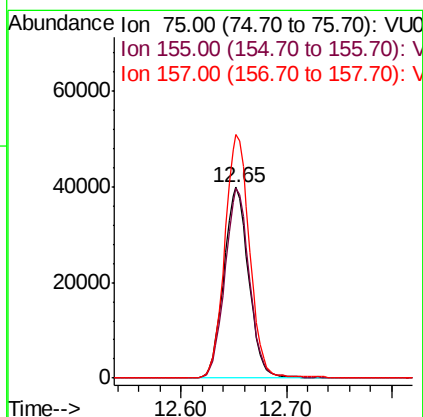
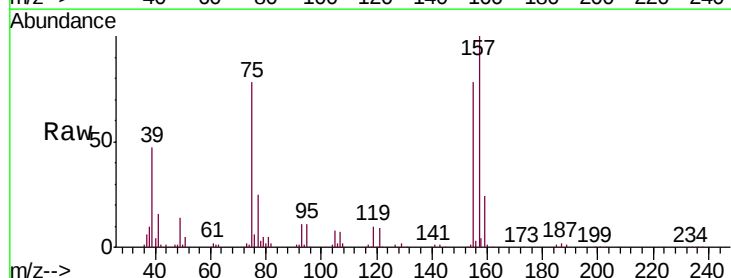
#65
 1,2-Dichlorobenzene
 Concen: 49.576 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029722.D
 Acq: 27 Feb 2019 22:17

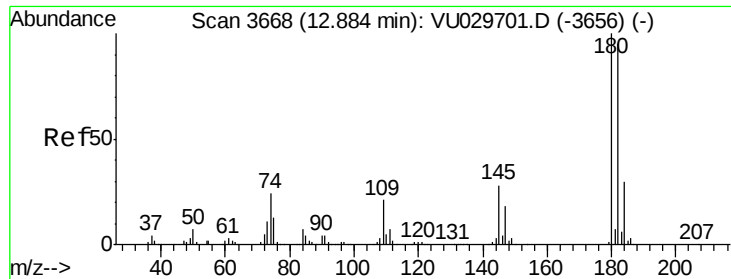
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	31.2	46.8
148	63.6	51.6	77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.765 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU029722.D
 Acq: 27 Feb 2019 22:17

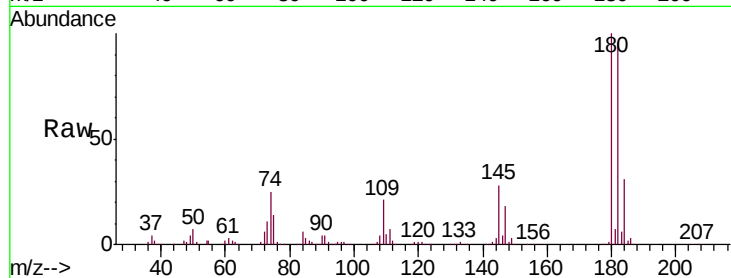
Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	79.5	119.3
157	127.8	103.4	155.0



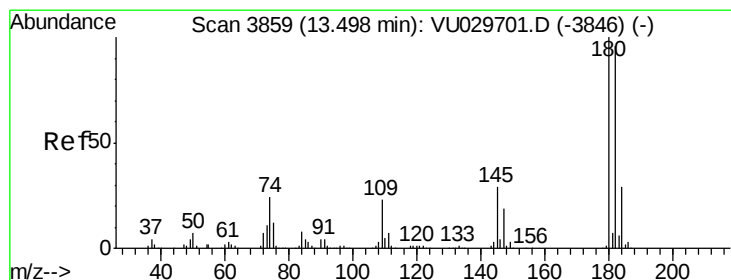
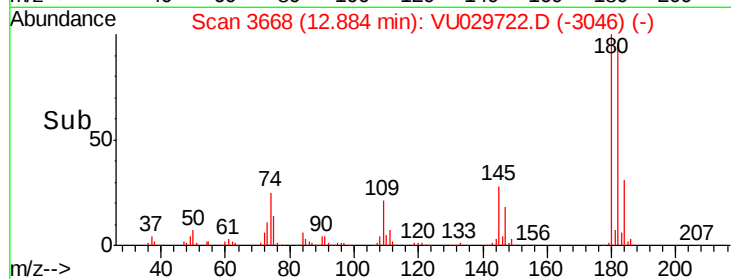
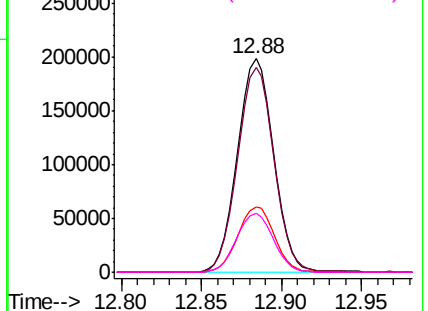


#67
 1,3,5-Trichlorobenzene
 Concen: 49.714 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029722.D
 Acq: 27 Feb 2019 22:17

Tgt Ion:	180	Resp:	305330
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.9	116.9
184	31.0	24.5	36.7
145	28.2	22.4	33.6

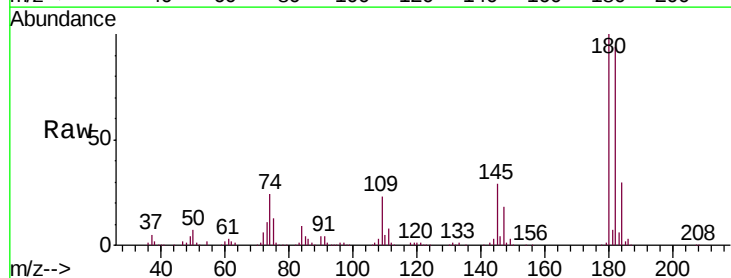


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

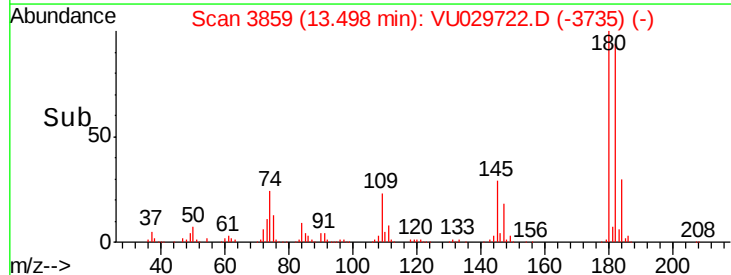
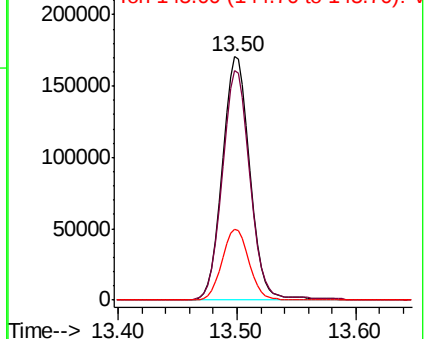


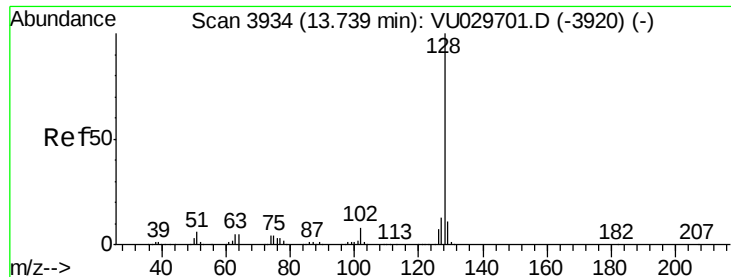
#68
 1,2,4-trichlorobenzene
 Concen: 51.579 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU029722.D
 Acq: 27 Feb 2019 22:17

Tgt Ion:	180	Resp:	273995
Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.2	114.2
145	28.6	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: 52.816 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU029722.D

Acq: 27 Feb 2019 22:17

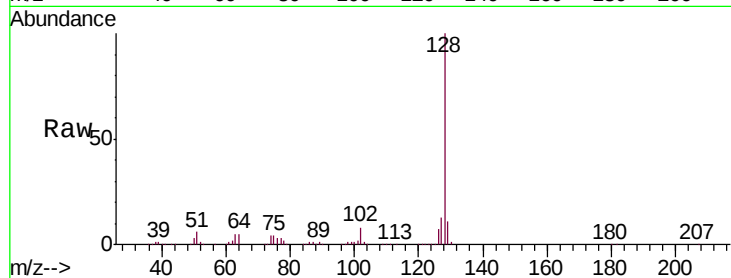
Tgt Ion:128 Resp: 862378

Ion Ratio Lower Upper

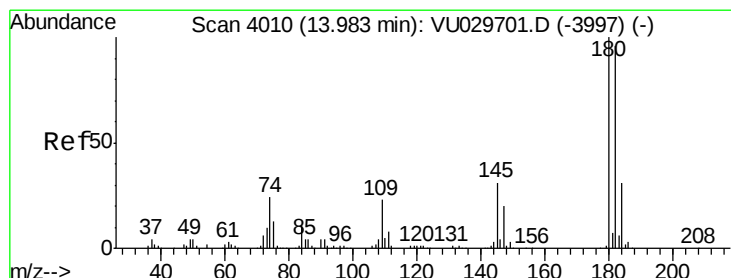
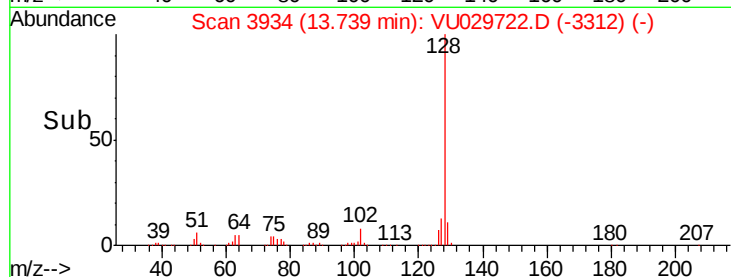
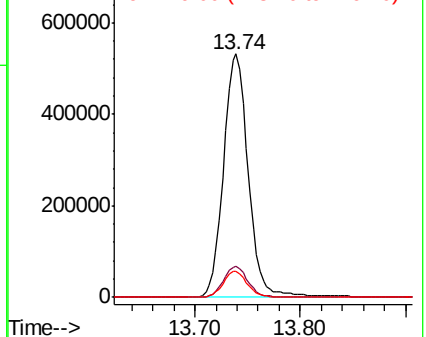
128 100

127 12.7 10.2 15.4

129 10.5 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: 50.557 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029722.D

Acq: 27 Feb 2019 22:17

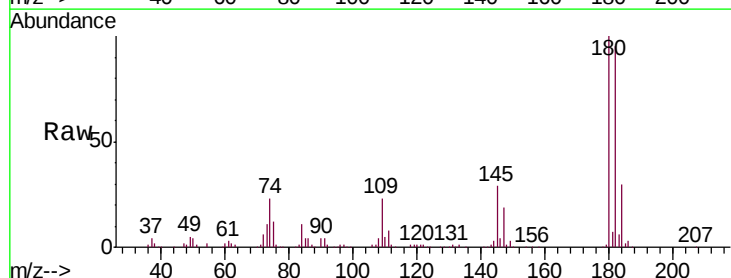
Tgt Ion:180 Resp: 285199

Ion Ratio Lower Upper

180 100

182 95.0 76.8 115.2

145 29.5 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

