

Data File : VU029699.D
Acq On : 26 Feb 2019 21:58
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 27 02:46:31 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	454475	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	460145	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	246531	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	152079	45.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.34%
7) Chloroethane-d5	1.68	69	138306	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.44%
11) 1,1-Dichloroethene-d2	2.27	63	291833	44.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.66%
21) 2-Butanone-d5	4.17	46	249621	123.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	123.17%
24) Chloroform-d	4.65	84	305836	56.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.24%
26) 1,2-Dichloroethane-d4	5.31	65	185509	54.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.50%
32) Benzene-d6	5.34	84	635348	54.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.74%
36) 1,2-Dichloropropane-d6	6.33	67	195111	56.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.02%
41) Toluene-d8	7.56	98	609507	51.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.16%
43) trans-1,3-Dichloropropene-	7.85	79	94063	50.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.82%
47) 2-Hexanone-d5	8.31	63	191009	98.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	316456	53.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	267494	50.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	173673	55.733	ug/L	98
3) Chloromethane	1.33	50	151058	55.257	ug/L	99
5) Vinyl chloride	1.40	62	197874	53.297	ug/L	99
6) Bromomethane	1.62	94	106369	62.777	ug/L	100
8) Chloroethane	1.69	64	122399	49.567	ug/L	99
9) Trichlorofluoromethane	1.88	101	277474	46.885	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	161436	50.995	ug/L	99
12) 1,1-Dichloroethene	2.28	96	153697	51.069	ug/L	82
13) Acetone	2.32	43	172640	79.719	ug/L	98
14) Carbon disulfide	2.48	76	446598	56.660	ug/L	100
15) Methyl Acetate	2.61	43	179747	63.947	ug/L	99
16) Methylene chloride	2.70	84	177931	61.098	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	165533	59.591	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	509937	59.294	ug/L	98
19) 1,1-Dichloroethane	3.44	63	289933	60.362	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	191957	59.471	ug/L	95
22) 2-Butanone	4.26	43	258099	104.431	ug/L	99

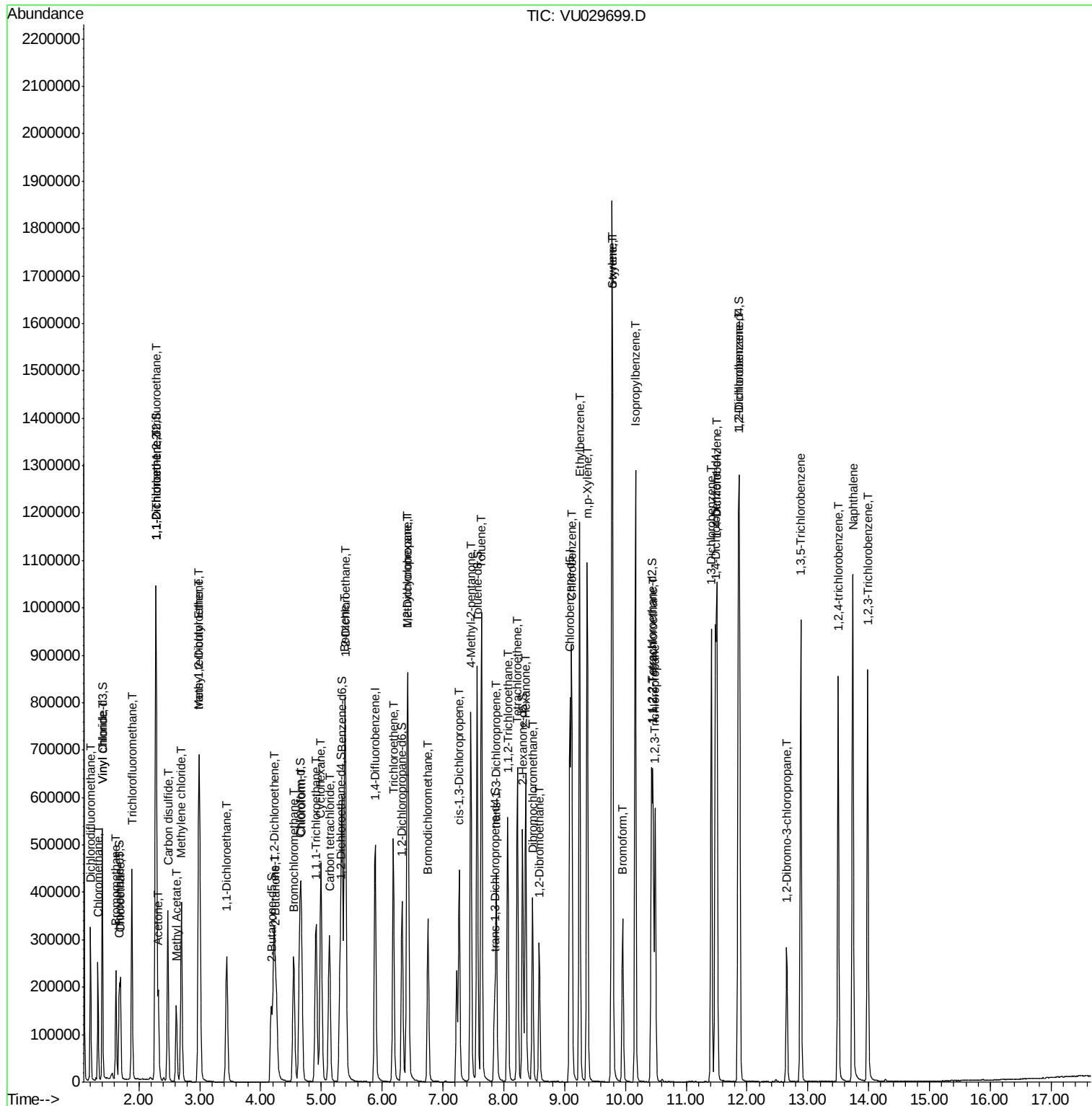
Data File : VU029699.D
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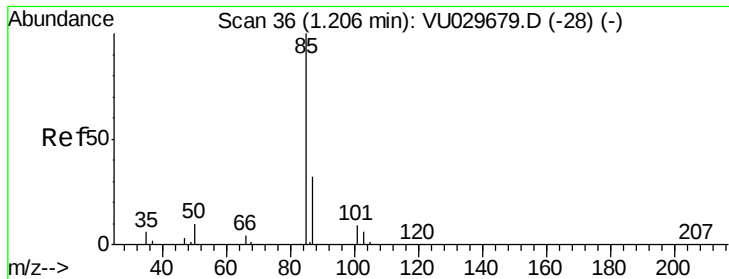
Quant Time: Feb 27 02:46:31 2019
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Quant Title : VOC Analysis
QLast Update : Wed Feb 27 01:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	102112	57.710	ug/L	94
25) Chloroform	4.67	83	312594	58.330	ug/L	100
27) 1,2-Dichloroethane	5.40	62	233478	56.665	ug/L	99
29) Cyclohexane	4.99	56	257279	56.499	ug/L	96
30) 1,1,1-Trichloroethane	4.91	97	268672	55.068	ug/L	99
31) Carbon tetrachloride	5.13	117	231326	52.385	ug/L	99
33) Benzene	5.39	78	682313	57.836	ug/L	100
34) Trichloroethene	6.18	95	177932	55.987	ug/L	98
35) Methylcyclohexane	6.41	83	288169	54.599	ug/L	98
37) 1,2-Dichloropropane	6.43	63	180776	58.374	ug/L	99
38) Bromodichloromethane	6.75	83	230765	55.273	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	277861	55.611	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	495205	113.712	ug/L	98
42) Toluene	7.63	91	763913	54.755	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	252789	53.683	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	184591	55.922	ug/L	99
46) Tetrachloroethene	8.23	164	161242	51.836	ug/L	99
48) 2-Hexanone	8.36	43	396559	104.239	ug/L	99
49) Dibromochloromethane	8.47	129	209423	52.333	ug/L	100
50) 1,2-Dibromoethane	8.58	107	203948	55.767	ug/L	100
51) Chlorobenzene	9.12	112	520374	54.343	ug/L	98
52) Ethylbenzene	9.25	91	851977	53.769	ug/L	99
53) m,p-Xylene	9.37	106	335868	52.805	ug/L	99
54) o-xylene	9.77	106	335563	52.522	ug/L	98
55) Styrene	9.79	104	565396	52.422	ug/L	98
56) Isopropylbenzene	10.16	105	874161	52.287	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	320108	54.841	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	242214	54.855	ug/L	99
61) Bromoform	9.95	173	164940	49.681	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	420286	53.469	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	423170	53.496	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	436598	53.211	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	67937	53.207	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	324923	54.169	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	285037	54.942	ug/L	99
69) Naphthalene	13.74	128	906582	56.852	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	298031	54.096	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 55.733 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029699.D

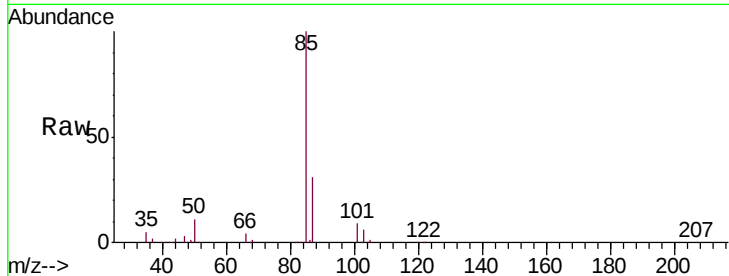
Acq: 26 Feb 2019 21:58

Tgt Ion: 85 Resp: 173673

Ion Ratio Lower Upper

85 100

87 31.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.21

200000

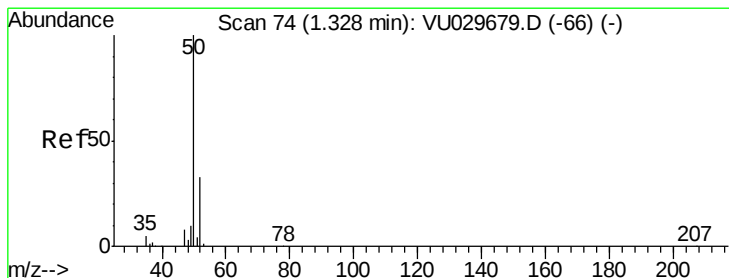
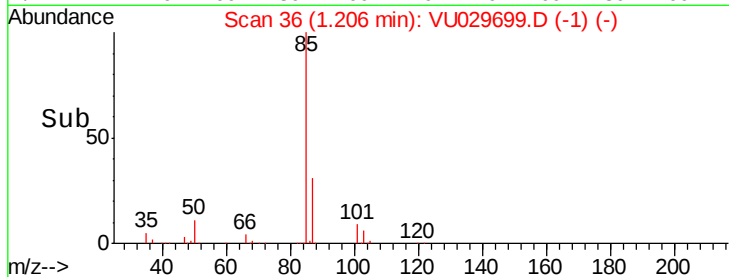
150000

100000

50000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 55.257 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029699.D

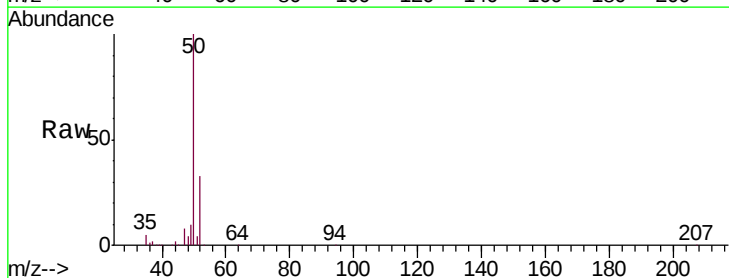
Acq: 26 Feb 2019 21:58

Tgt Ion: 50 Resp: 151058

Ion Ratio Lower Upper

50 100

52 33.4 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.33

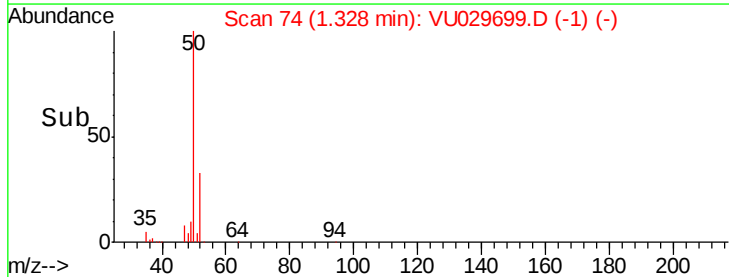
150000

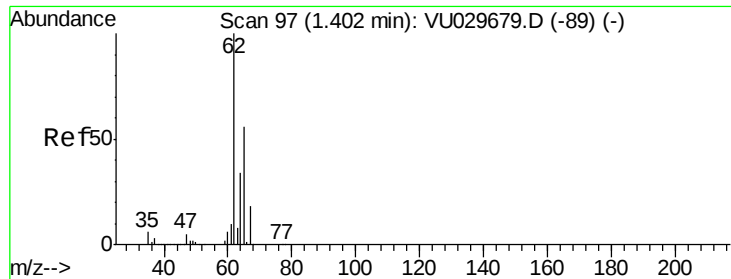
100000

50000

0

Time--> 1.30 1.35





#5

Vinyl chloride

Concen: 53.297 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029699.D

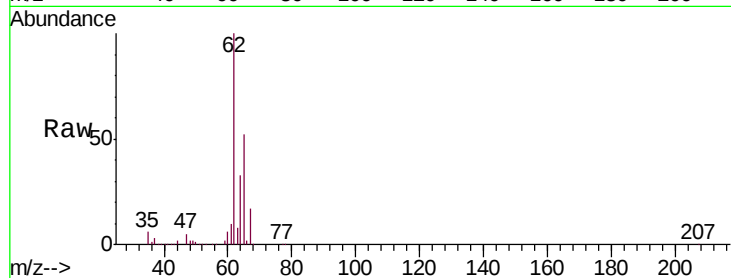
Acq: 26 Feb 2019 21:58

Tgt Ion: 62 Resp: 197874

Ion Ratio Lower Upper

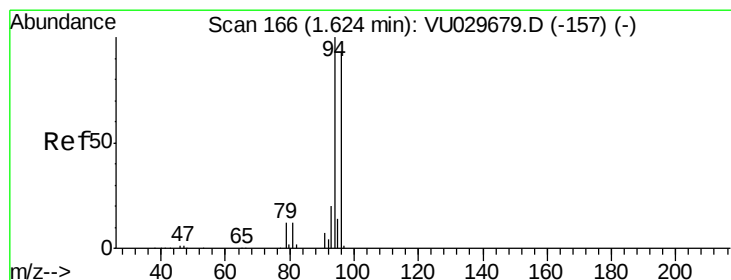
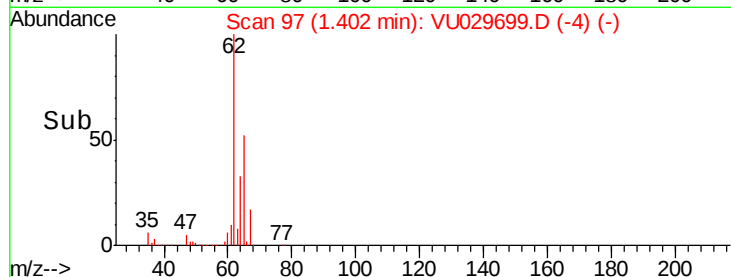
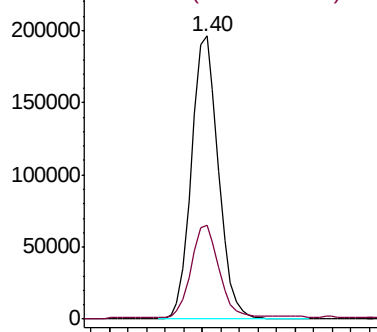
62 100

64 33.2 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: 62.777 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU029699.D

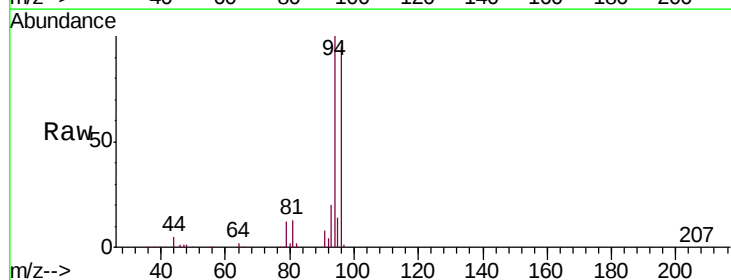
Acq: 26 Feb 2019 21:58

Tgt Ion: 94 Resp: 106369

Ion Ratio Lower Upper

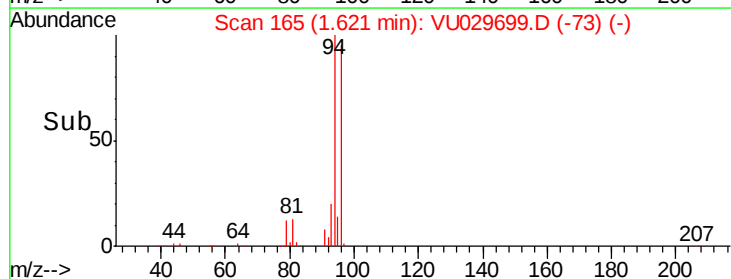
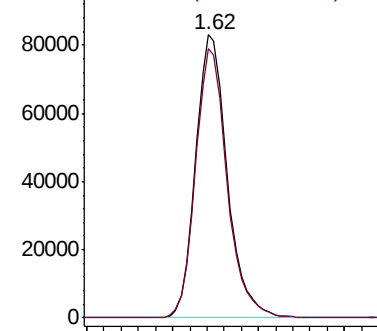
94 100

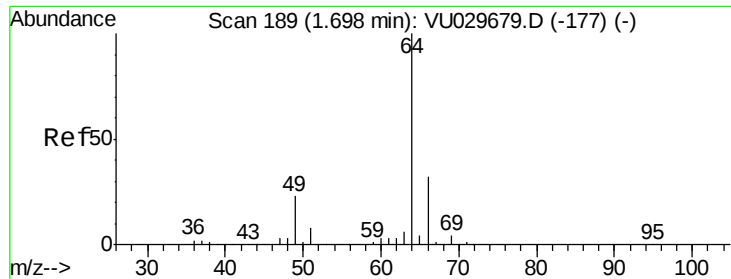
96 94.9 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

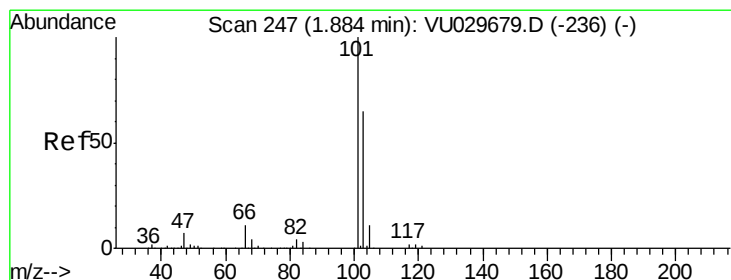
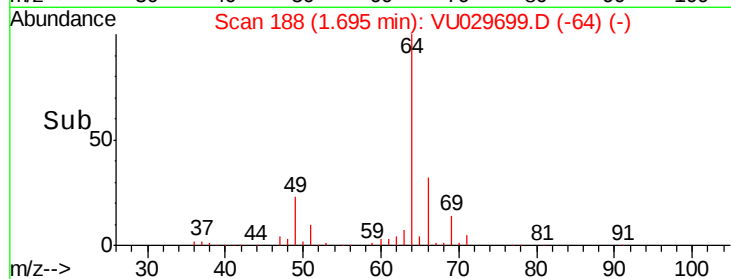
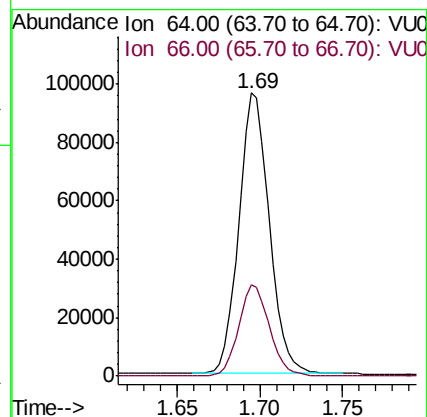
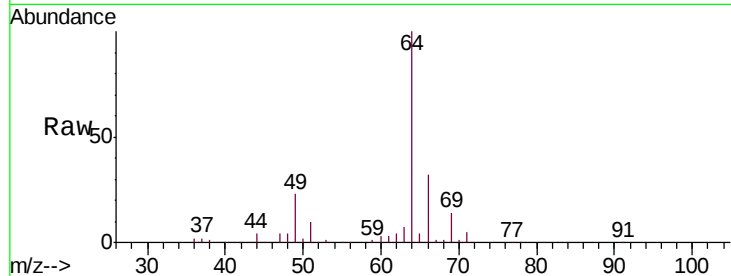
Ion 96.00 (95.70 to 96.70): VU0





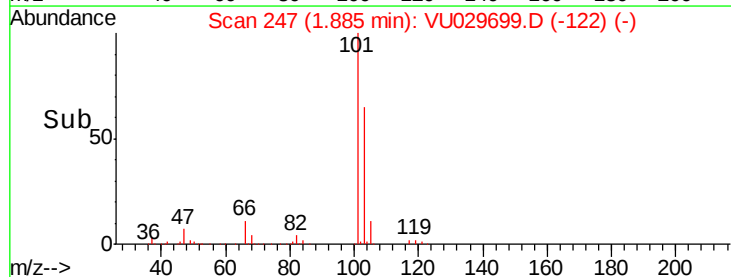
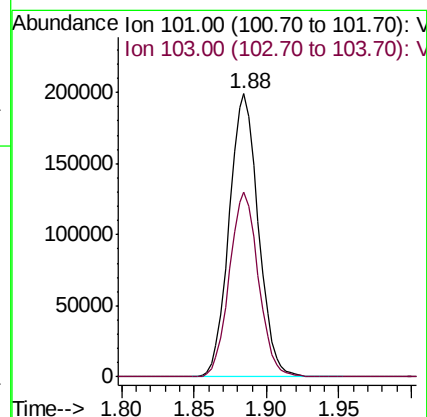
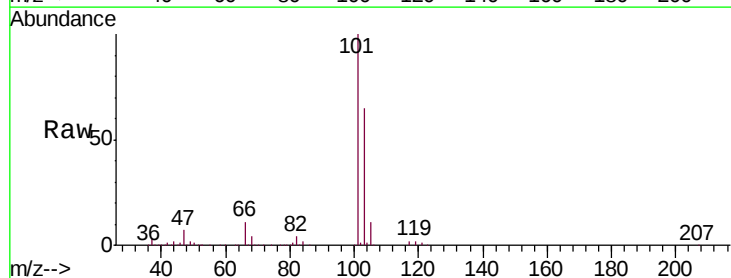
#8
Chloroethane
Concen: 49.567 ug/L
RT: 1.69 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU029699.D
Acq: 26 Feb 2019 21:58

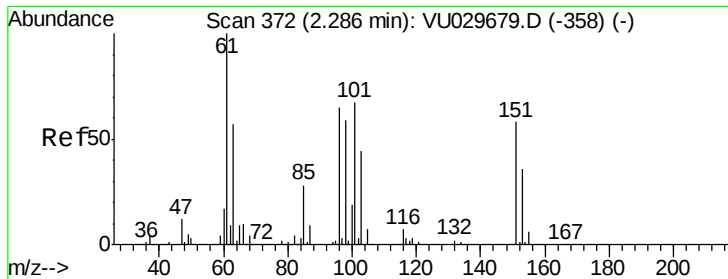
Tgt Ion: 64 Resp: 122399
Ion Ratio Lower Upper
64 100
66 32.1 22.0 41.0



#9
Trichlorofluoromethane
Concen: 46.885 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029699.D
Acq: 26 Feb 2019 21:58

Tgt Ion: 101 Resp: 277474
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.2





#10

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

Concen: 50.995 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029699.D

Acq: 26 Feb 2019 21:58

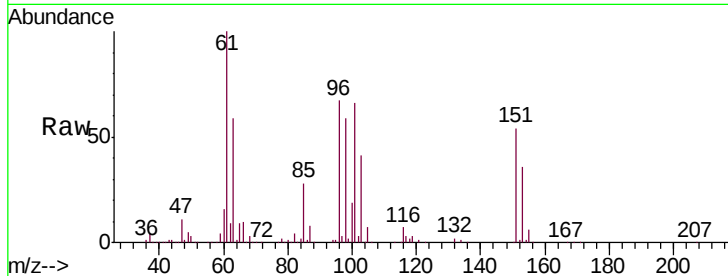
Tgt Ion: 101 Resp: 161436

Ion Ratio Lower Upper

101 100

85 42.8 33.0 49.6

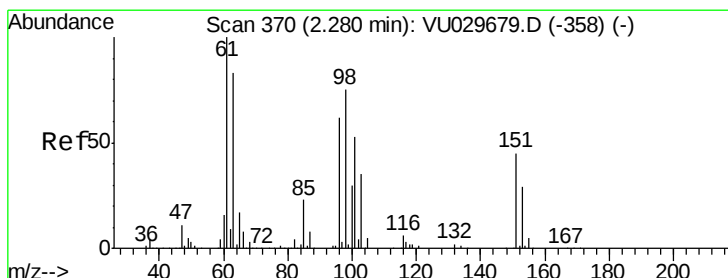
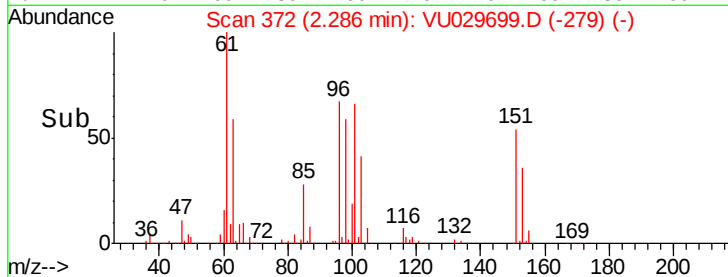
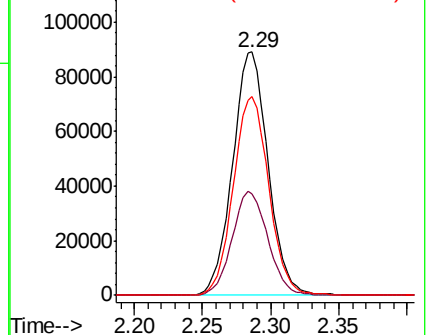
151 81.7 65.7 98.5



Abundance Ion 101.00 (100.70 to 101.70): VU029699.D (-279) (-)

Ion 85.00 (84.70 to 85.70): VU029699.D (-279) (-)

Ion 151.00 (150.70 to 151.70): VU029699.D (-279) (-)



#12

1,1-Dichloroethene

Concen: 51.069 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029699.D

Acq: 26 Feb 2019 21:58

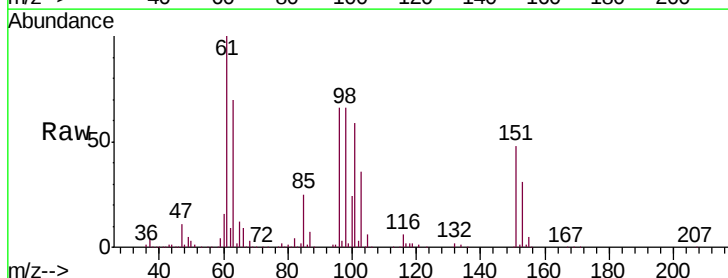
Tgt Ion: 96 Resp: 153697

Ion Ratio Lower Upper

96 100

61 151.6 114.0 211.8

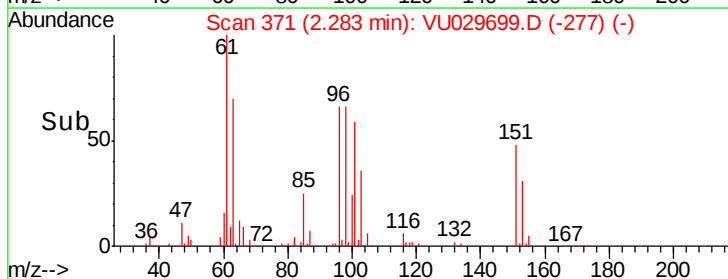
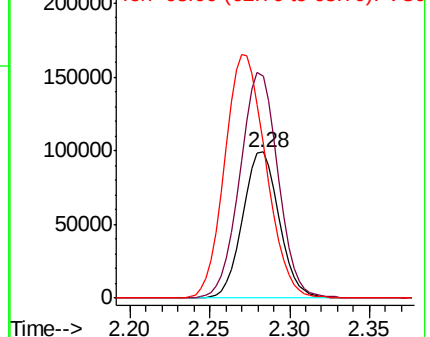
63 105.6 98.7 183.3

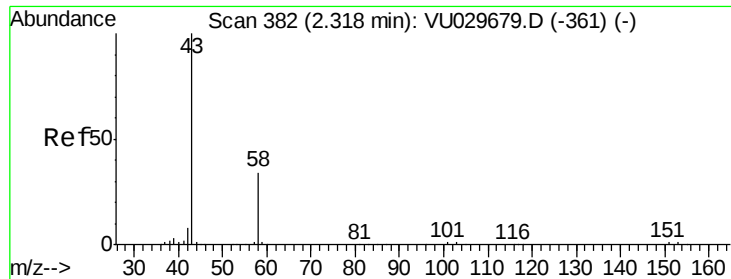


Abundance Ion 96.00 (95.70 to 96.70): VU029699.D (-277) (-)

Ion 61.00 (60.70 to 61.70): VU029699.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU029699.D (-277) (-)





#13

Acetone

Concen: 79.719 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU029699.D

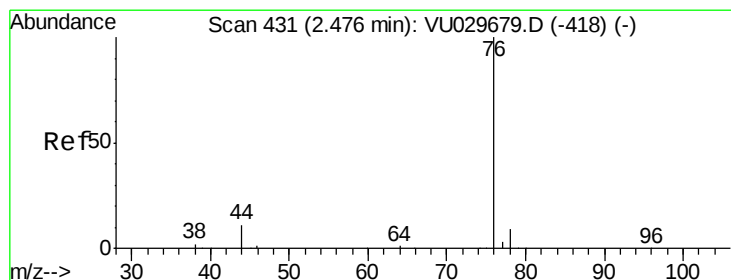
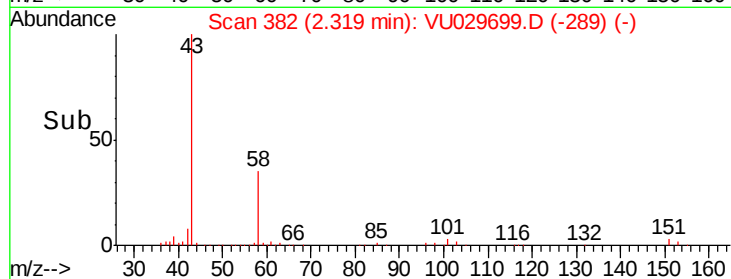
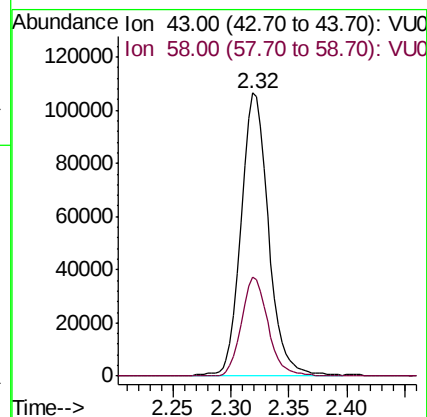
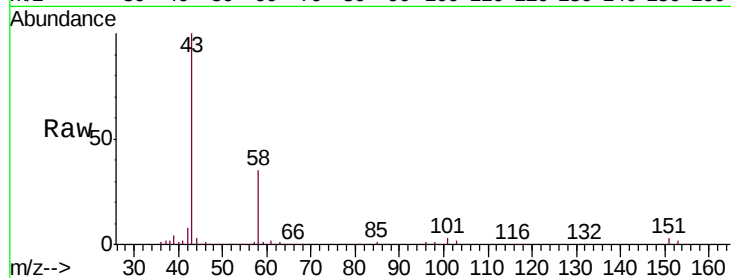
Acq: 26 Feb 2019 21:58

Tgt Ion: 43 Resp: 172640

Ion Ratio Lower Upper

43 100

58 34.4 0.0 66.8



#14

Carbon disulfide

Concen: 56.660 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029699.D

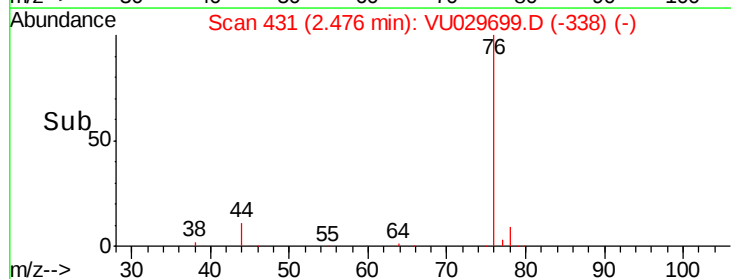
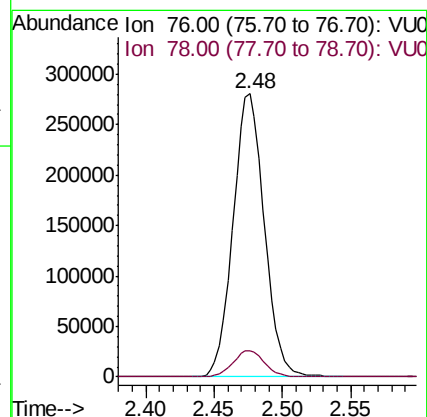
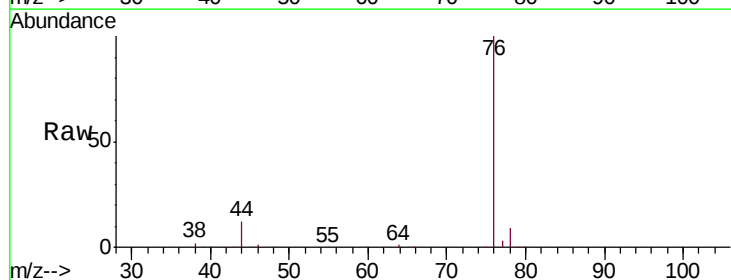
Acq: 26 Feb 2019 21:58

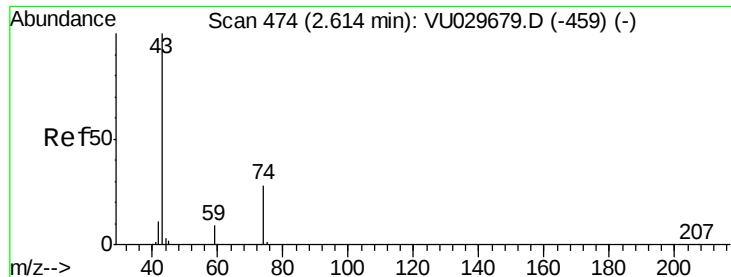
Tgt Ion: 76 Resp: 446598

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2





#15

Methyl Acetate

Concen: 63.947 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.00 min

Lab File: VU029699.D

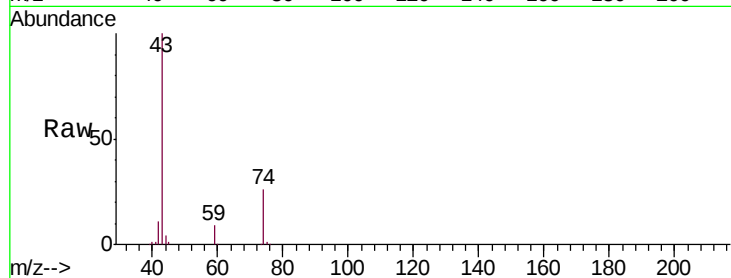
Acq: 26 Feb 2019 21:58

Tgt Ion: 43 Resp: 179747

Ion Ratio Lower Upper

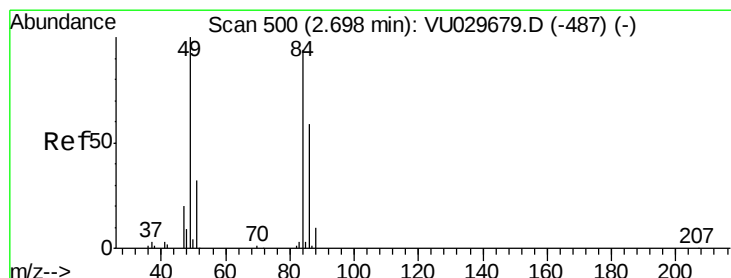
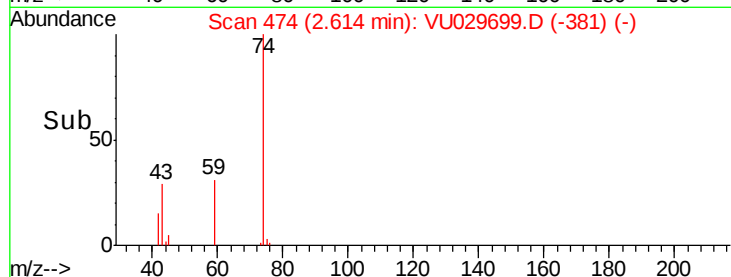
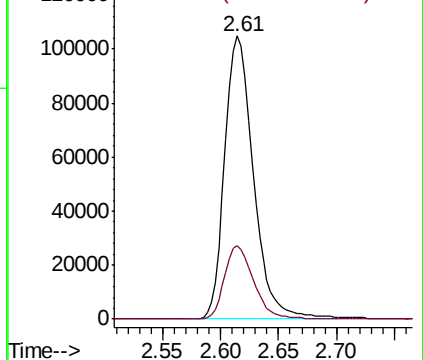
43 100

74 26.3 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 61.098 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU029699.D

Acq: 26 Feb 2019 21:58

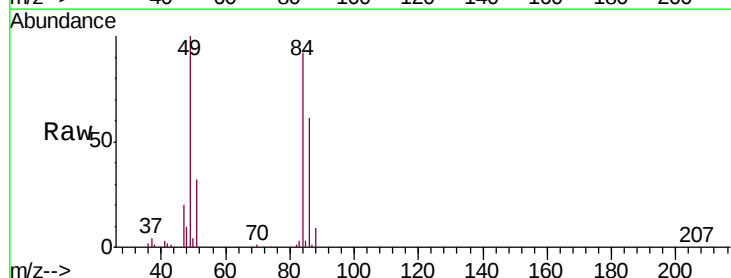
Tgt Ion: 84 Resp: 177931

Ion Ratio Lower Upper

84 100

86 66.0 45.8 85.0

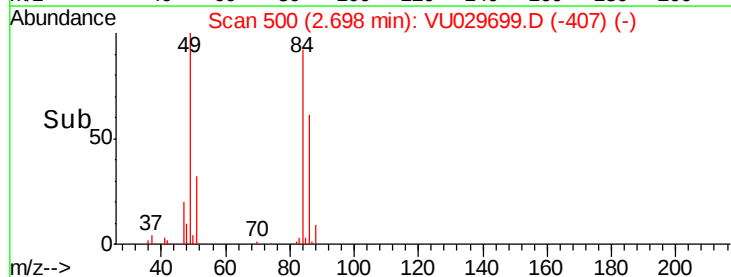
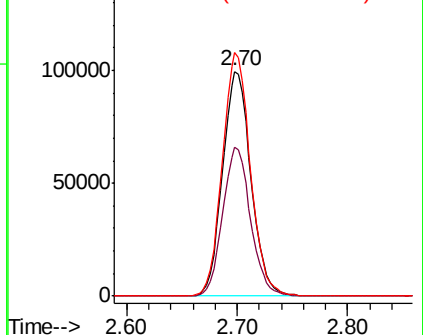
49 108.2 75.1 139.5

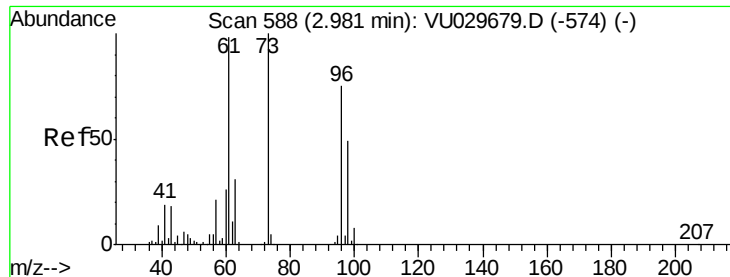


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

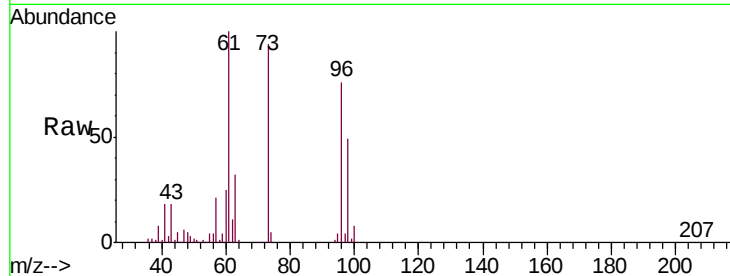
Ion 49.00 (48.70 to 49.70): VU0



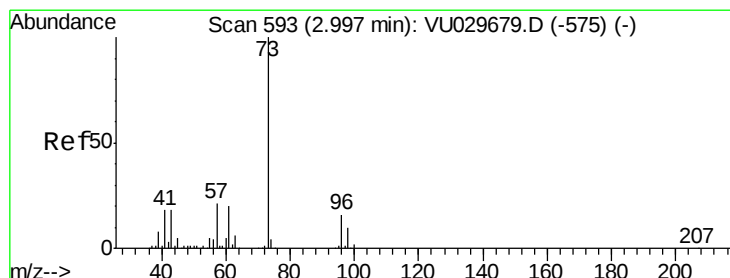
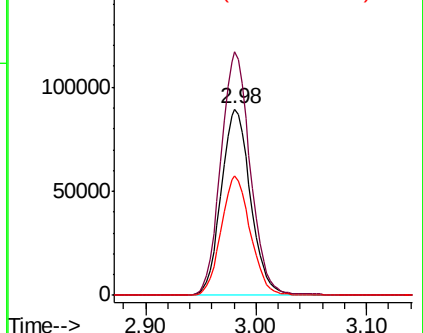
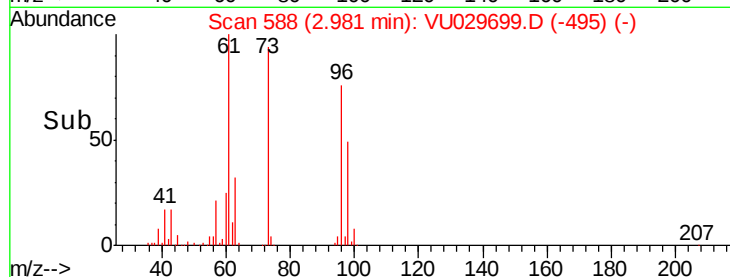


#17
trans-1,2-Dichloroethene
Concen: 59.591 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU029699.D
Acq: 26 Feb 2019 21:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.8	88.3	163.9
98	64.3	44.8	83.2

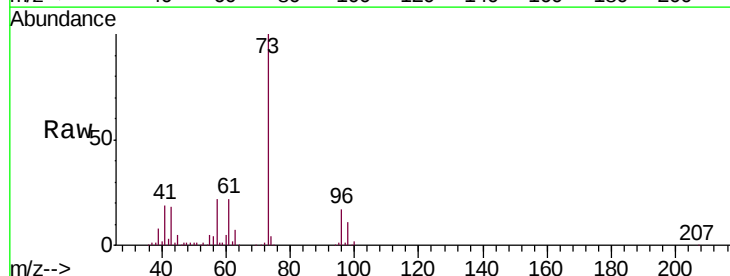


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

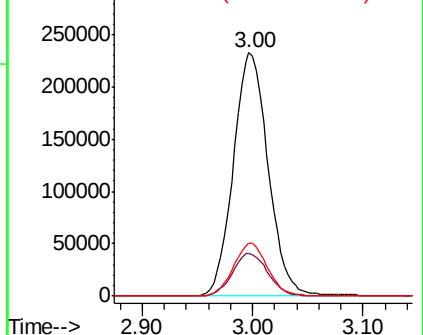
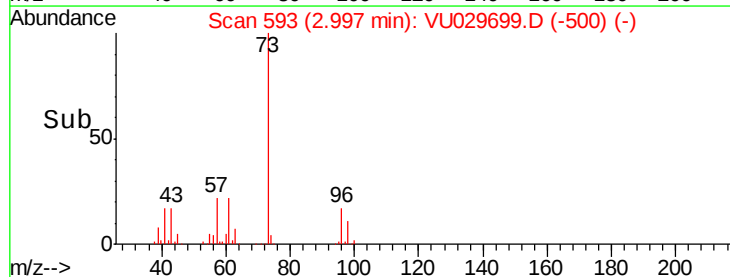


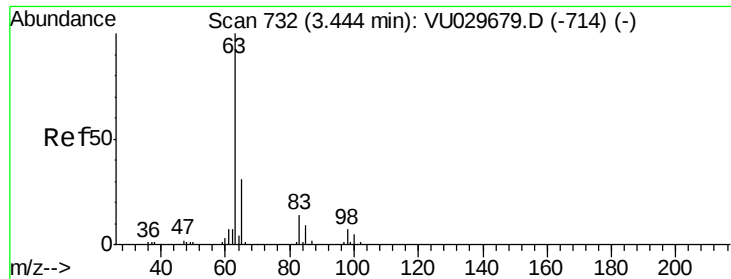
#18
Methyl tert-butyl Ether
Concen: 59.294 ug/L
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU029699.D
Acq: 26 Feb 2019 21:58

Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.8	14.8	22.2
57	21.4	16.5	24.7



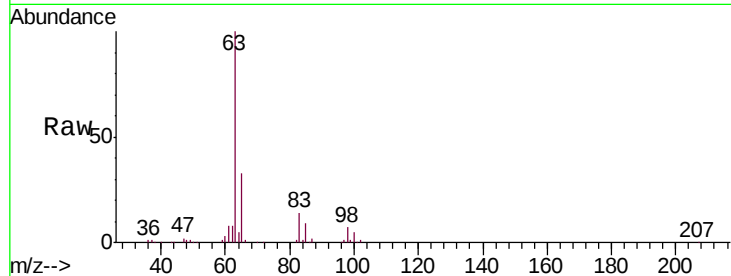
Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



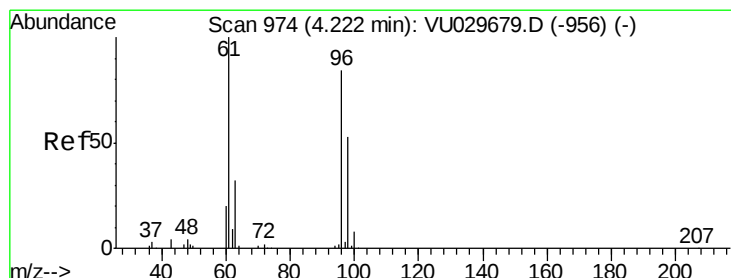
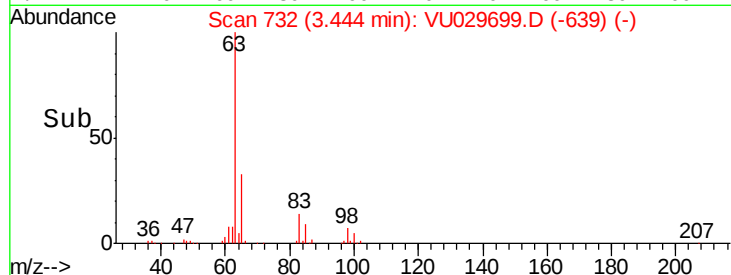
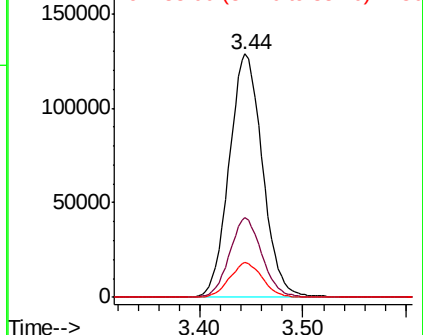


#19
 1,1-Dichloroethane
 Concen: 60.362 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU029699.D
 Acq: 26 Feb 2019 21:58

Tgt Ion:	63	Resp:	289933
Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.3	41.3
83	14.1	9.9	18.3

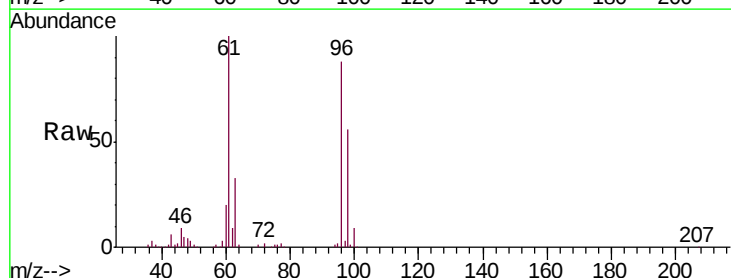


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

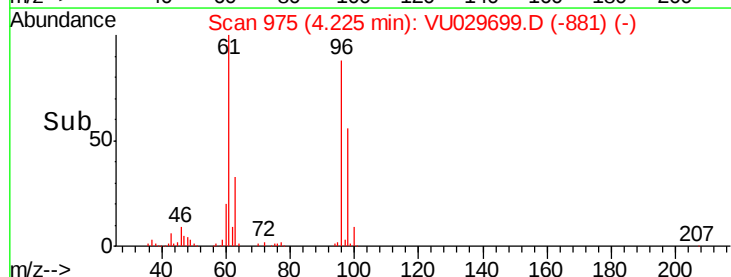
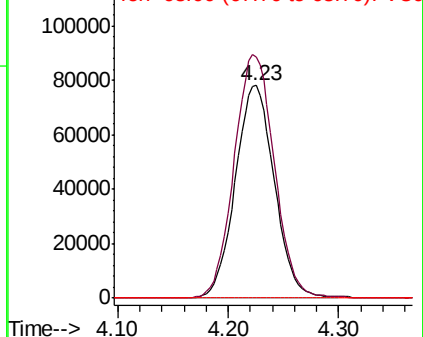


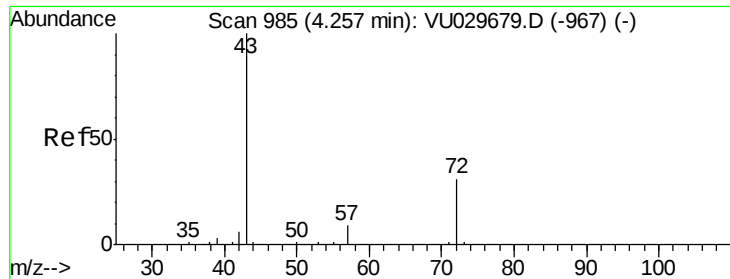
#20
 cis-1,2-Dichloroethene
 Concen: 59.471 ug/L
 RT: 4.23 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VU029699.D
 Acq: 26 Feb 2019 21:58

Tgt Ion:	96	Resp:	191957
Ion	Ratio	Lower	Upper
96	100		
61	113.7	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: 104.431 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU029699.D

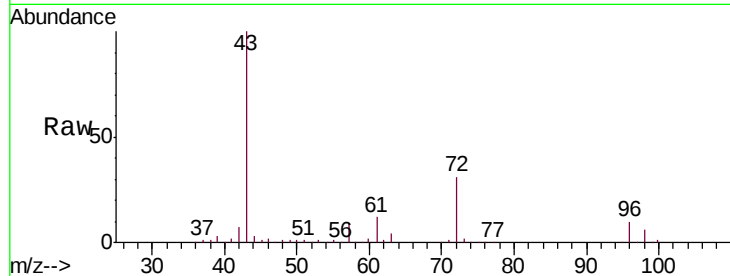
Acq: 26 Feb 2019 21:58

Tgt Ion: 43 Resp: 258099

Ion Ratio Lower Upper

43 100

72 30.8 15.2 45.6



Abundance Ion 43.00 (42.70 to 43.70): VU029699.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU029699.D (-967) (-)

4.26

100000

80000

60000

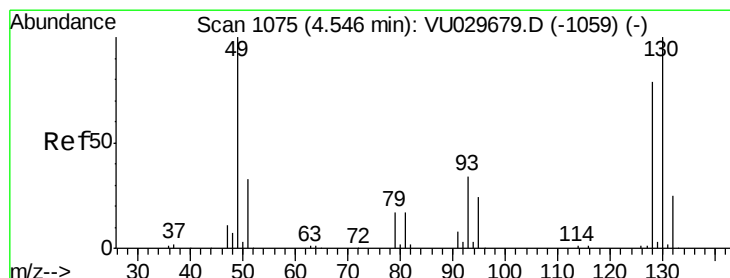
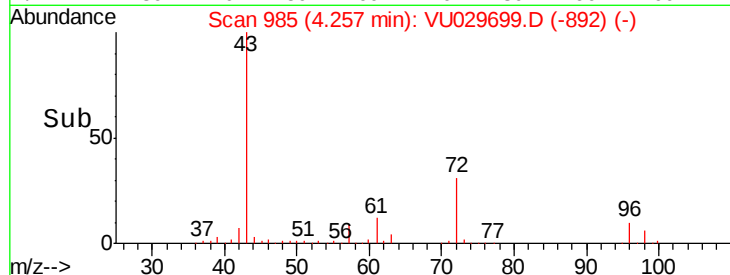
40000

20000

0

Time-->

4.20 4.30



#23

Bromochloromethane

Concen: 57.710 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU029699.D

Acq: 26 Feb 2019 21:58

Tgt Ion: 128 Resp: 102112

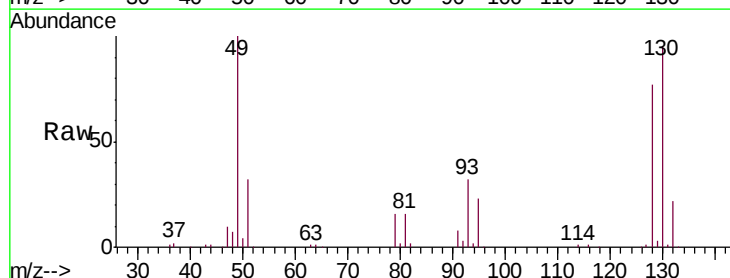
Ion Ratio Lower Upper

128 100

49 129.5 85.9 159.5

130 122.7 91.3 169.5

51 41.0 32.2 48.2



Abundance Ion 128.00 (127.70 to 128.70): VU029699.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU029699.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU029699.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU029699.D (-1059) (-)

80000

60000

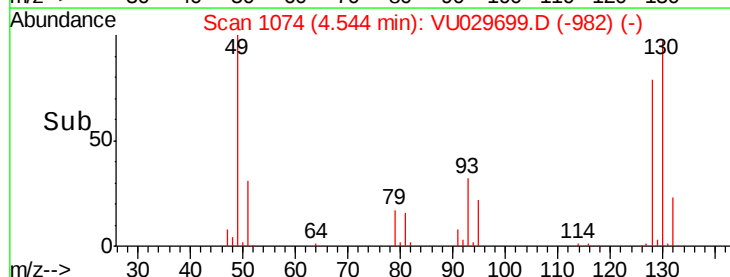
40000

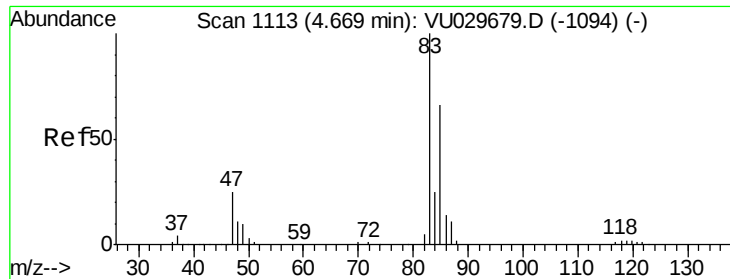
20000

0

Time-->

4.50 4.60





#25

Chloroform

Concen: 58.330 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029699.D

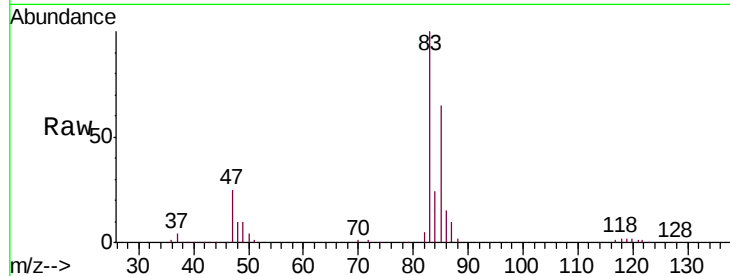
Acq: 26 Feb 2019 21:58

Tgt Ion: 83 Resp: 312594

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

150000

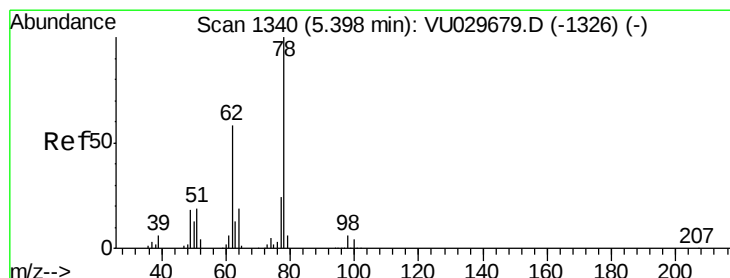
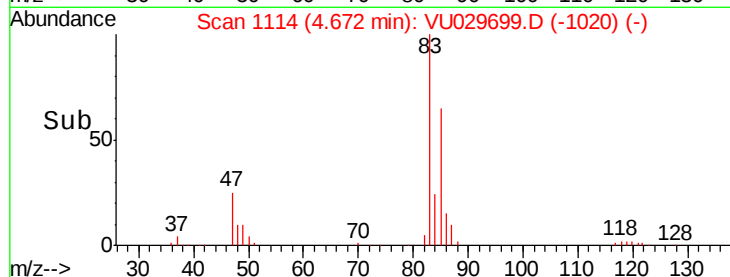
100000

50000

0

4.60 4.70

Time-->



#27

1,2-Dichloroethane

Concen: 56.665 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU029699.D

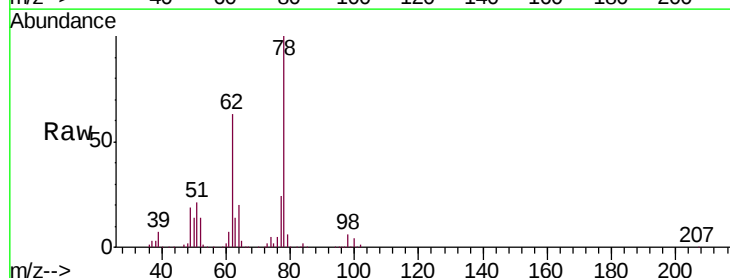
Acq: 26 Feb 2019 21:58

Tgt Ion: 62 Resp: 233478

Ion Ratio Lower Upper

62 100

98 10.3 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

120000

100000

80000

60000

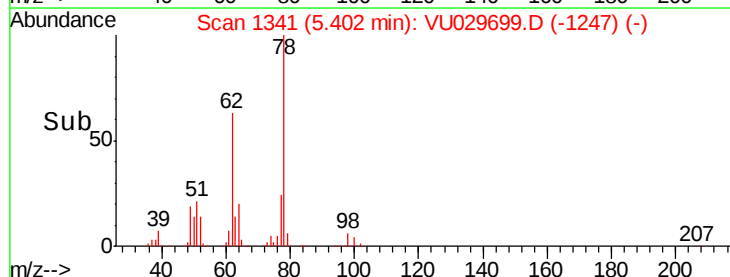
40000

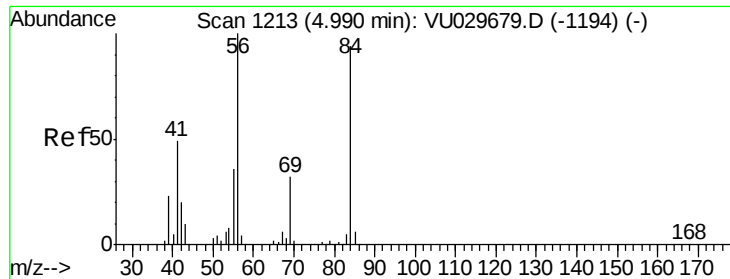
20000

0

5.30 5.40 5.50

Time-->





#29

Cyclohexane

Concen: 56.499 ug/L

RT: 4.99 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VU029699.D

Acq: 26 Feb 2019 21:58

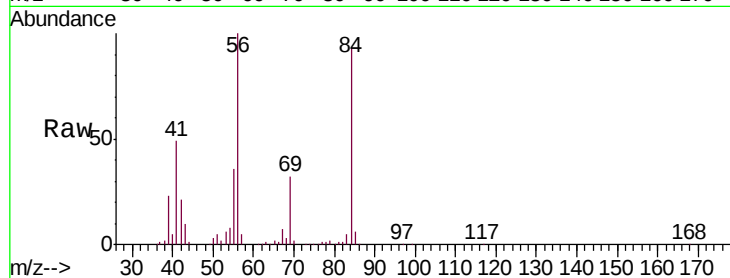
Tgt Ion: 56 Resp: 257279

Ion Ratio Lower Upper

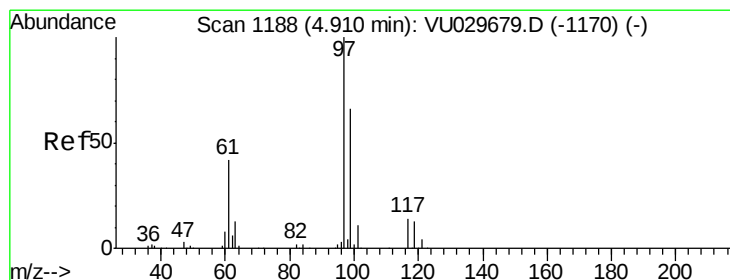
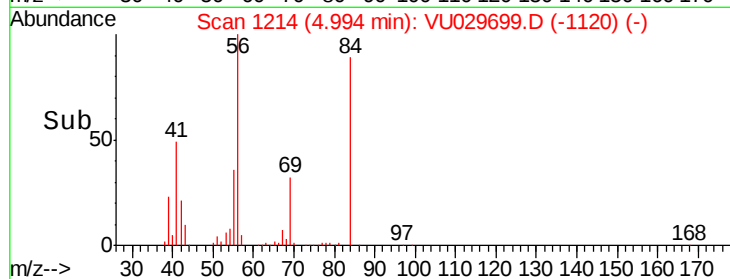
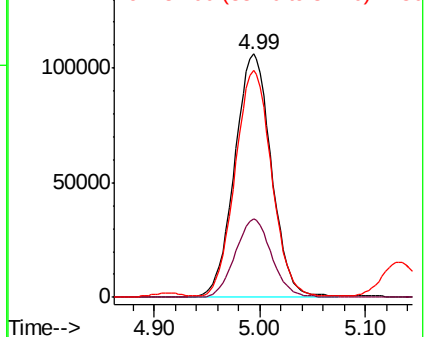
56 100

69 31.9 25.7 38.5

84 91.6 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: 55.068 ug/L

RT: 4.91 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU029699.D

Acq: 26 Feb 2019 21:58

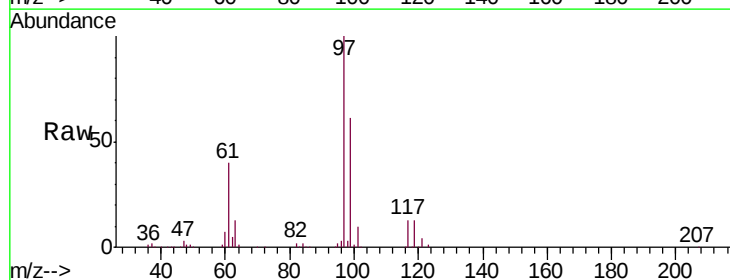
Tgt Ion: 97 Resp: 268672

Ion Ratio Lower Upper

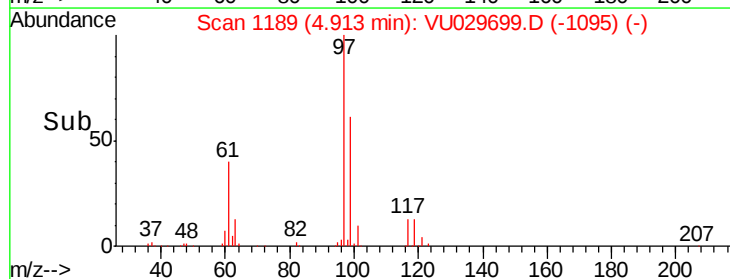
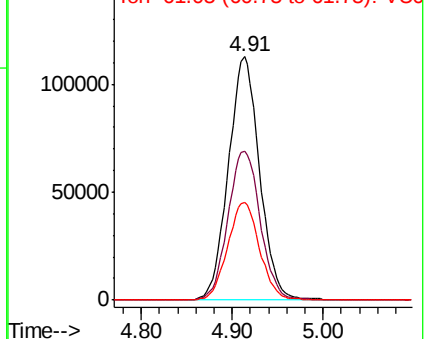
97 100

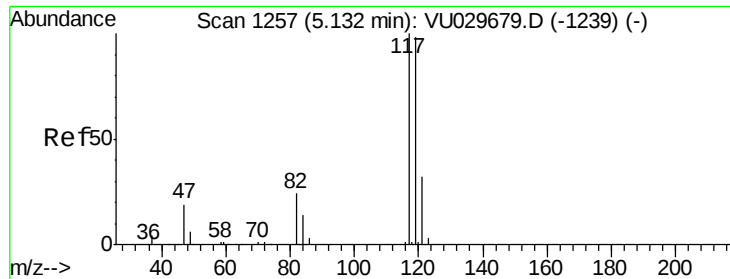
99 63.2 51.4 77.0

61 41.2 32.3 48.5



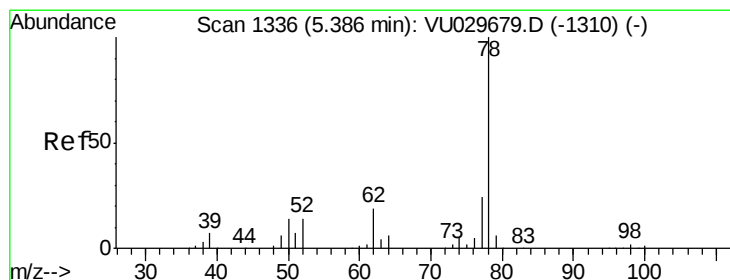
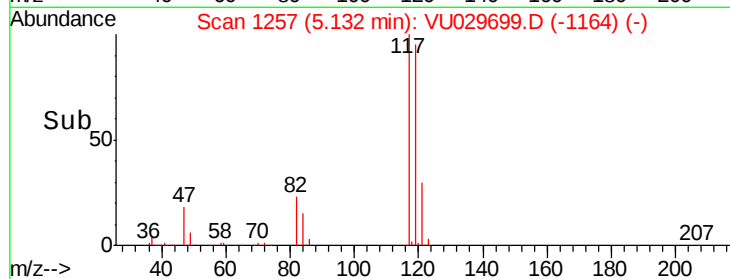
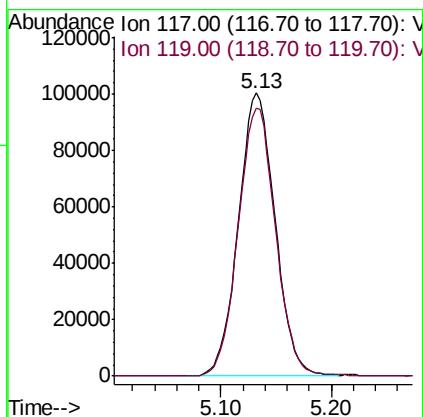
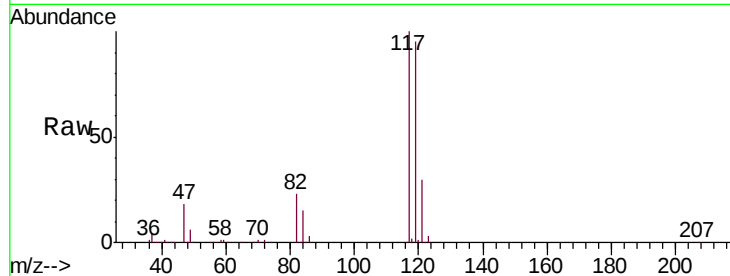
Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





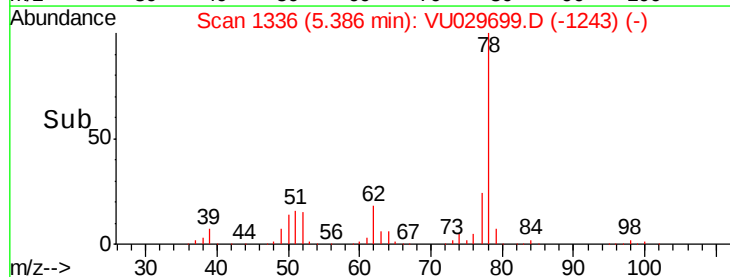
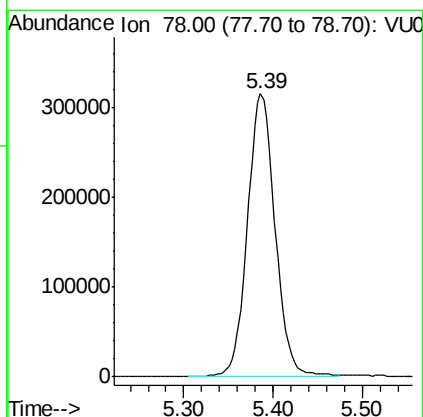
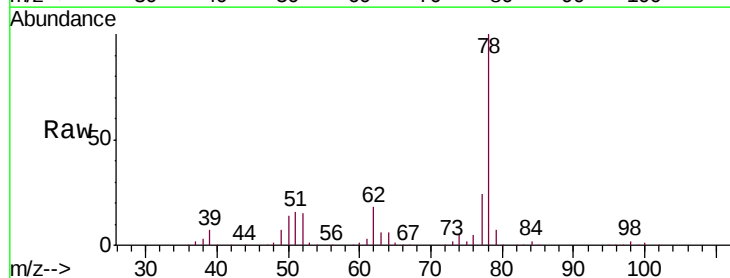
#31
Carbon tetrachloride
Concen: 52.385 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VU029699.D
Acq: 26 Feb 2019 21:58

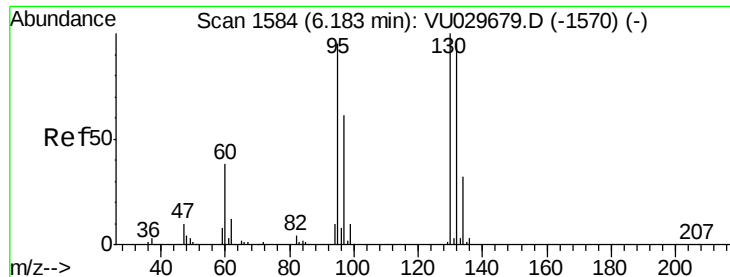
Tgt Ion: 117 Resp: 231326
Ion Ratio Lower Upper
117 100
119 96.6 77.8 116.8



#33
Benzene
Concen: 57.836 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU029699.D
Acq: 26 Feb 2019 21:58

Tgt Ion: 78 Resp: 682313





#34

Trichloroethene

Concen: 55.987 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029699.D

Acq: 26 Feb 2019 21:58

Tgt Ion: 95 Resp: 177932

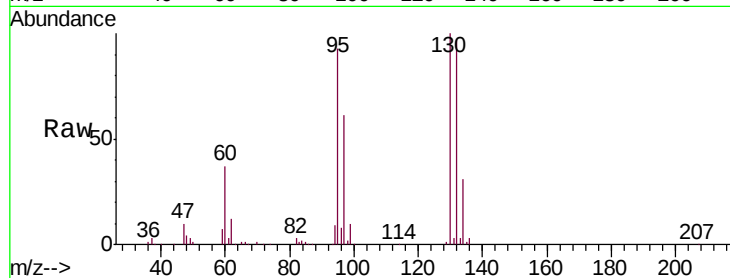
Ion Ratio Lower Upper

95 100

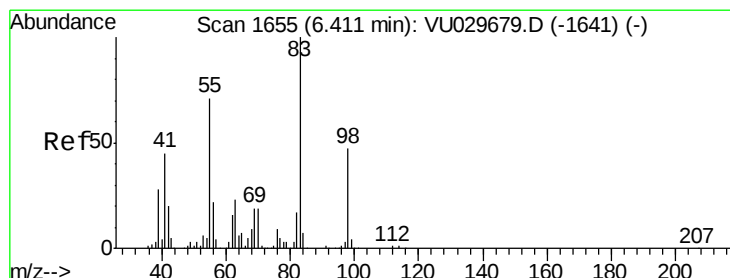
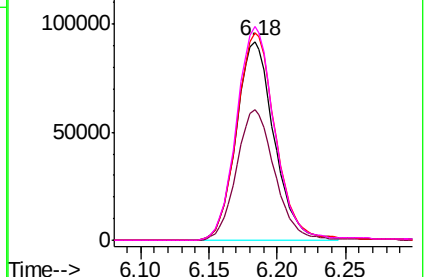
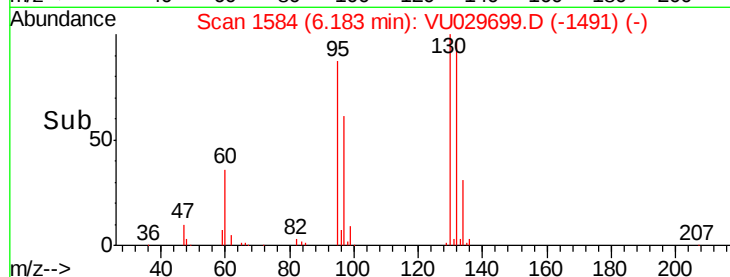
97 65.9 44.6 82.8

132 104.5 74.6 138.6

130 107.6 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: 54.599 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029699.D

Acq: 26 Feb 2019 21:58

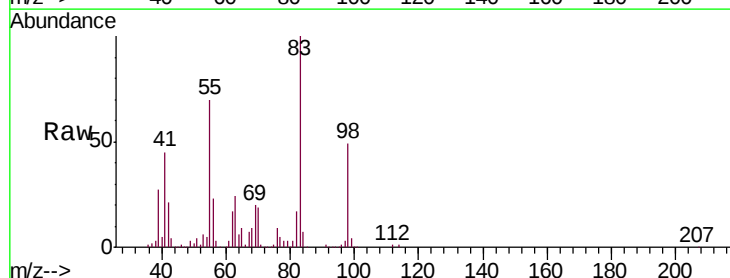
Tgt Ion: 83 Resp: 288169

Ion Ratio Lower Upper

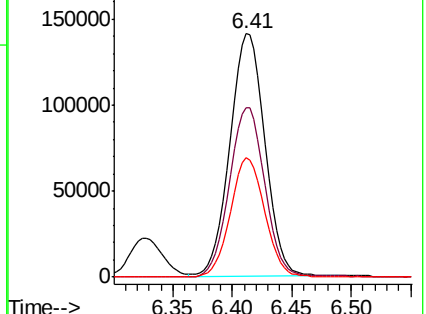
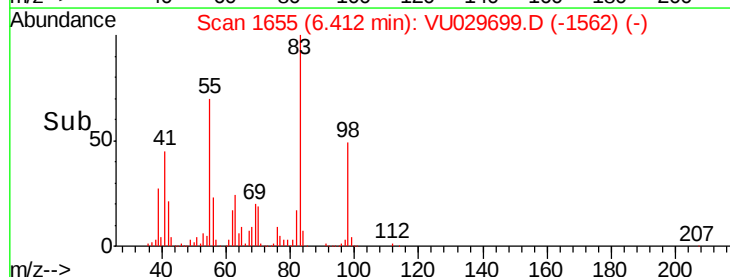
83 100

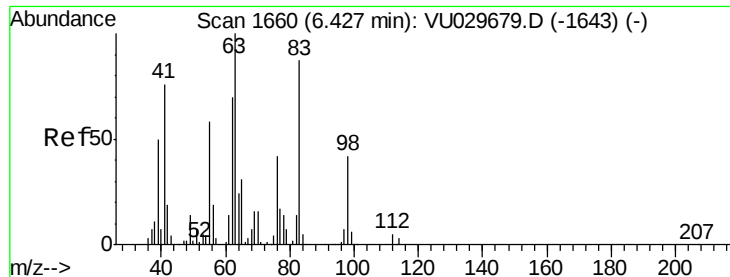
55 70.8 55.2 82.8

98 48.3 39.4 59.2



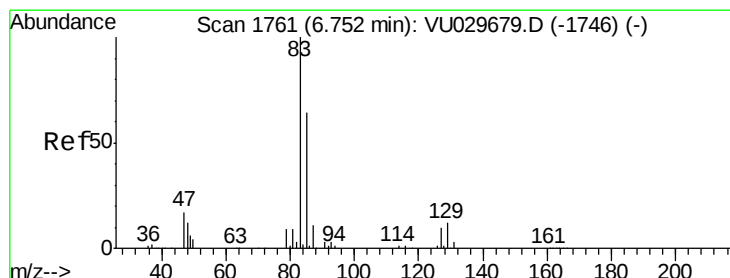
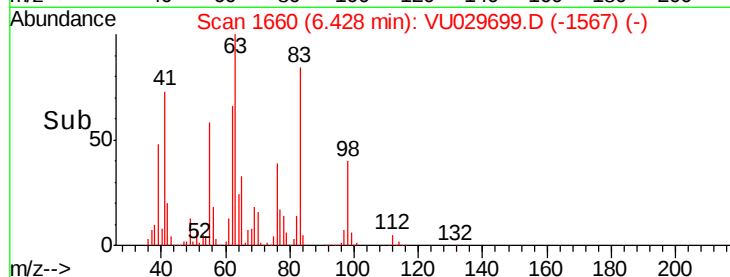
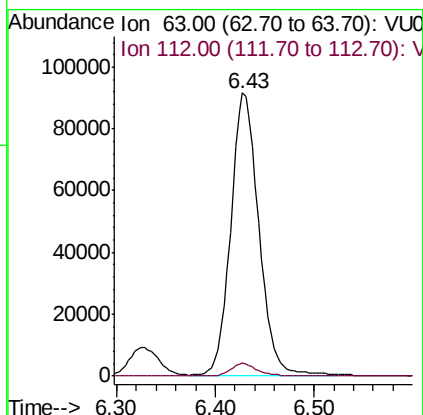
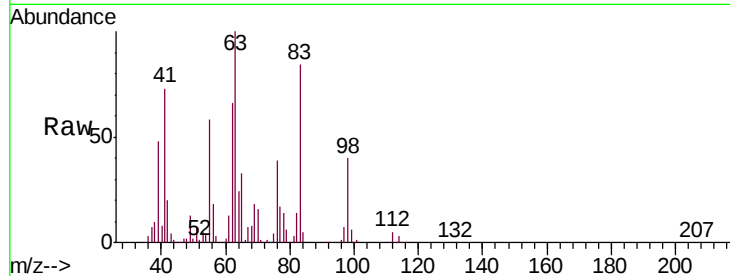
Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





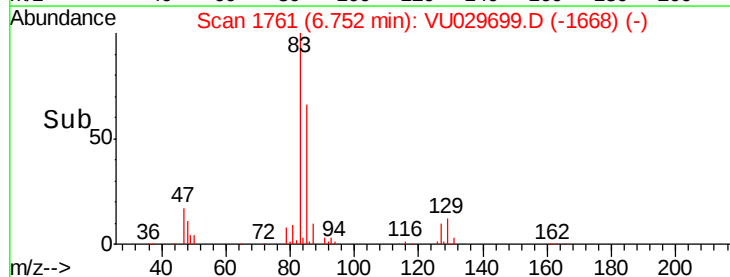
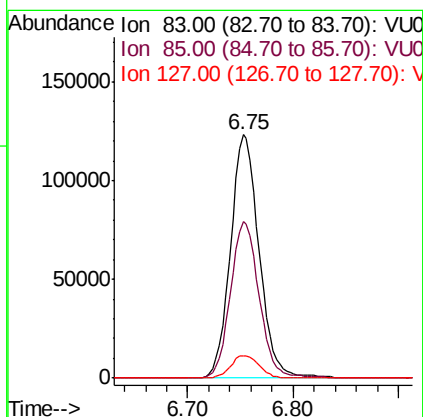
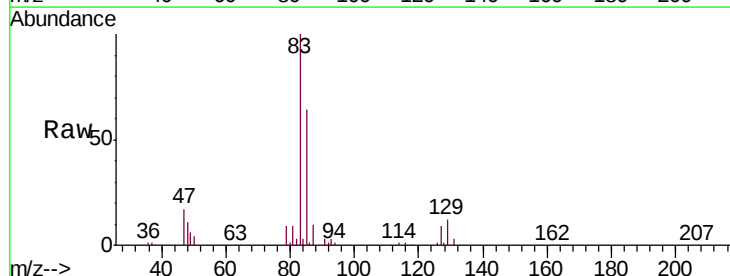
#37
 1,2-Dichloropropane
 Concen: 58.374 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU029699.D
 Acq: 26 Feb 2019 21:58

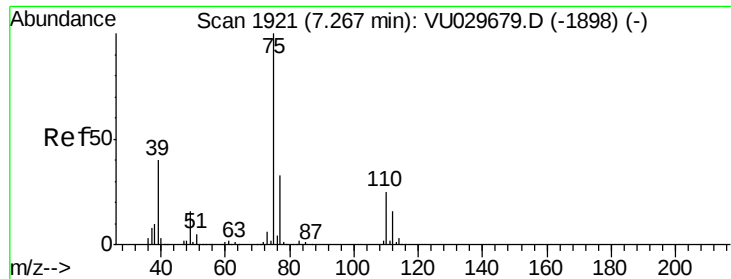
Tgt Ion: 63 Resp: 180776
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#38
 Bromodichloromethane
 Concen: 55.273 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU029699.D
 Acq: 26 Feb 2019 21:58

Tgt Ion: 83 Resp: 230765
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.2 82.0
 127 9.3 8.3 12.5





#39

cis-1,3-Dichloropropene

Concen: 55.611 ug/L

RT: 7.27 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VU029699.D

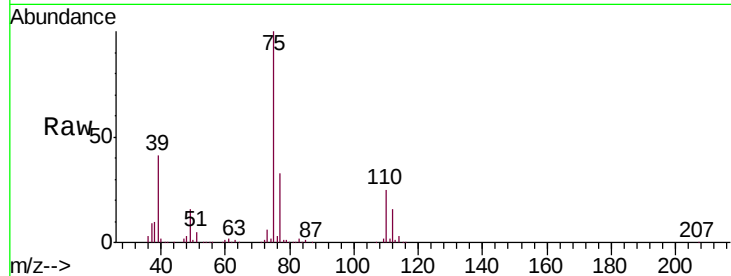
Acq: 26 Feb 2019 21:58

Tgt Ion: 75 Resp: 277861

Ion Ratio Lower Upper

75 100

77 32.7 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VU029679.D (-1898) (-)

Ion 77.00 (76.70 to 77.70): VU029679.D (-1898) (-)

7.27

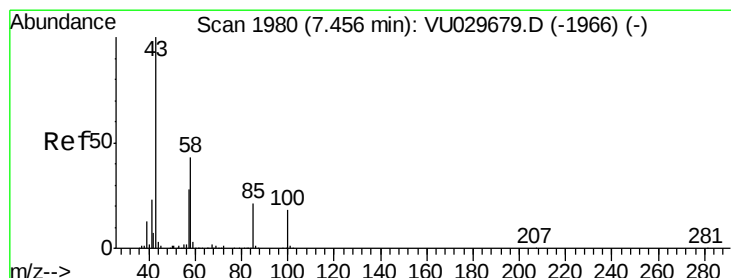
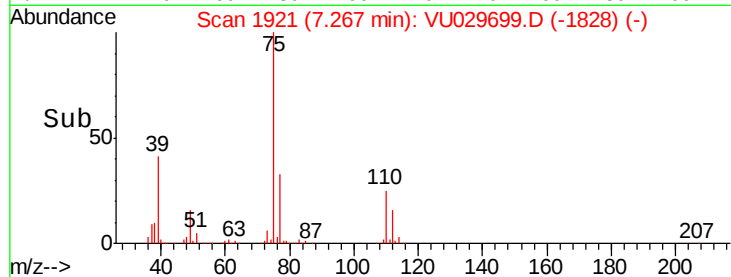
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 113.712 ug/L

RT: 7.46 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VU029699.D

Acq: 26 Feb 2019 21:58

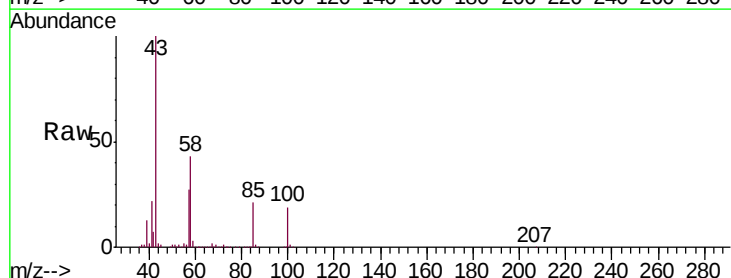
Tgt Ion: 43 Resp: 495205

Ion Ratio Lower Upper

43 100

58 42.5 33.0 49.4

100 18.2 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VU029679.D (-1966) (-)

Ion 58.00 (57.70 to 58.70): VU029679.D (-1966) (-)

Ion 100.00 (99.70 to 100.70): VU029679.D (-1966) (-)

7.46

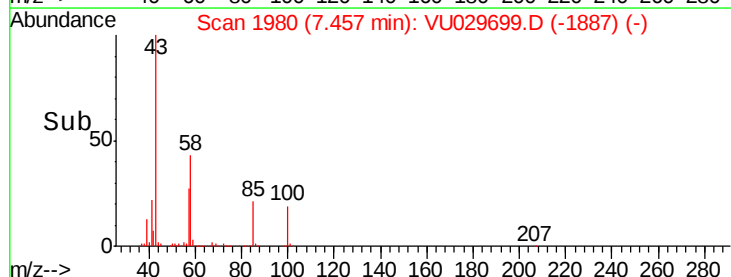
300000

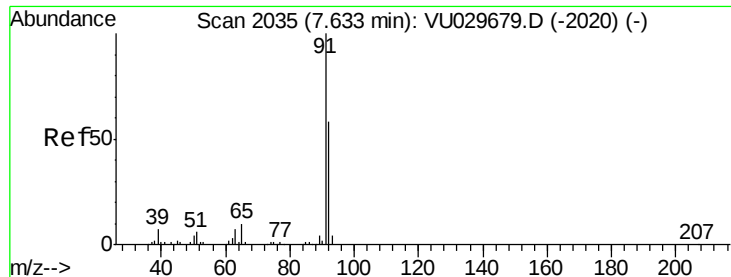
200000

100000

0

Time-->





#42

Toluene

Concen: 54.755 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029699.D

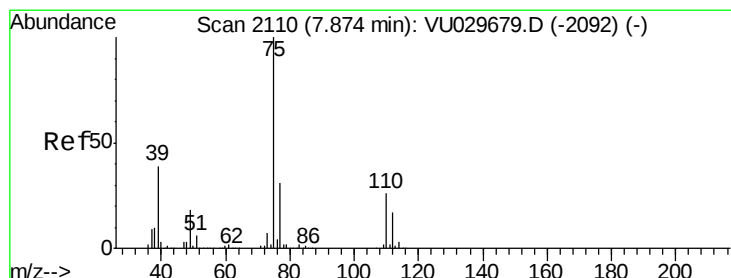
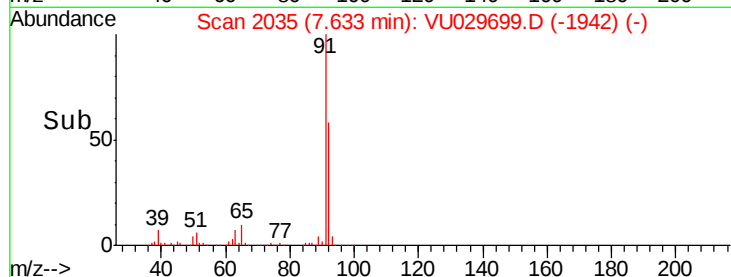
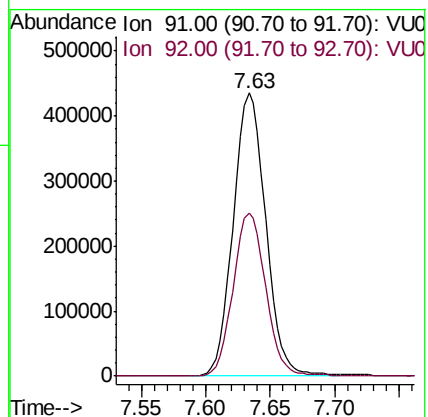
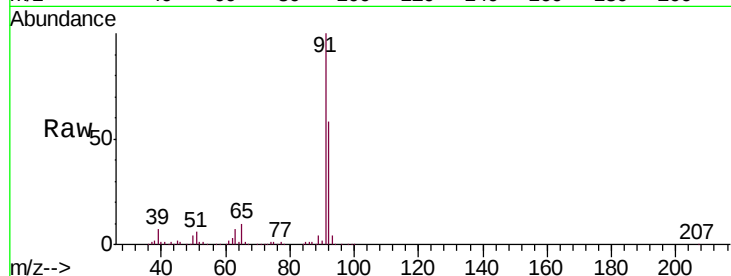
Acq: 26 Feb 2019 21:58

Tgt Ion: 91 Resp: 763913

Ion Ratio Lower Upper

91 100

92 57.6 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 53.683 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029699.D

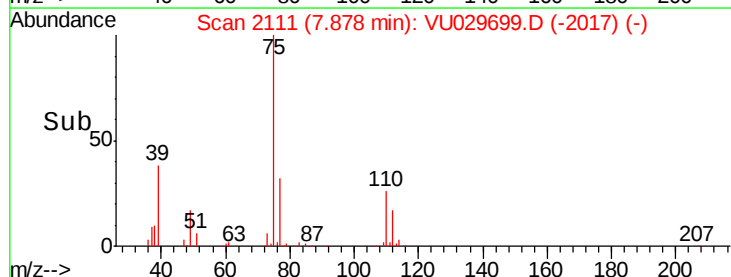
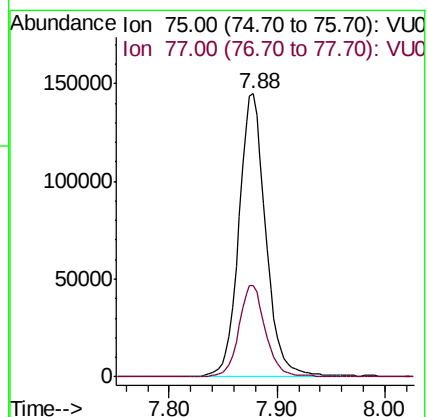
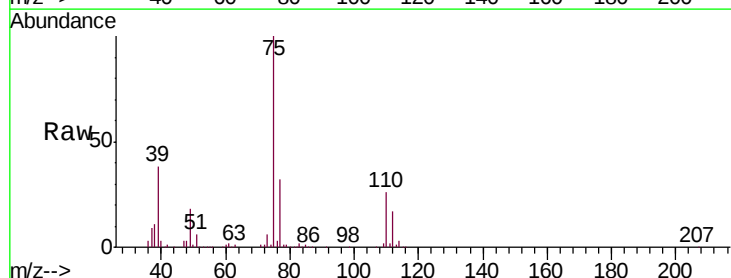
Acq: 26 Feb 2019 21:58

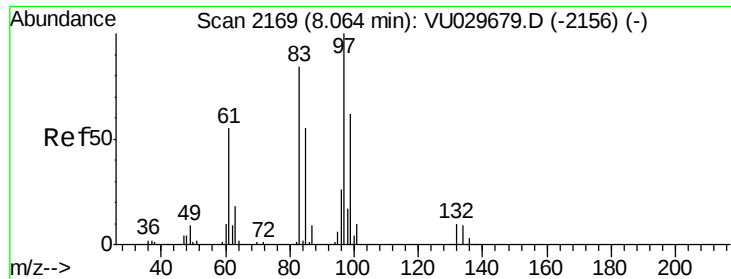
Tgt Ion: 75 Resp: 252789

Ion Ratio Lower Upper

75 100

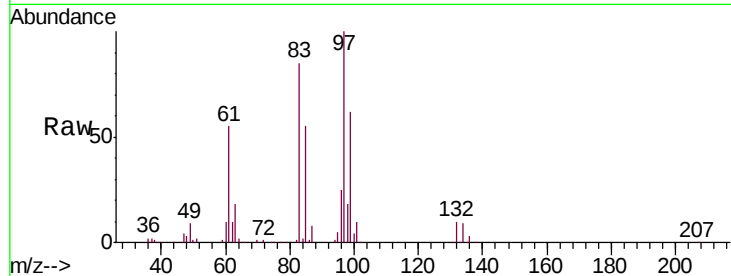
77 32.5 22.1 41.1





#45
 1,1,2-Trichloroethane
 Concen: 55.922 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU029699.D
 Acq: 26 Feb 2019 21:58

Tgt Ion:	97	Resp:	184591
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.8	81.3
83	84.9	57.7	107.1
85	54.8	38.5	71.5



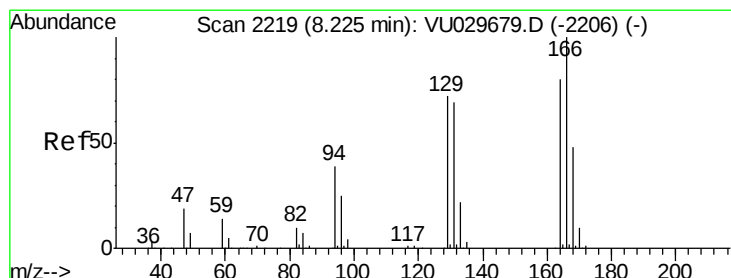
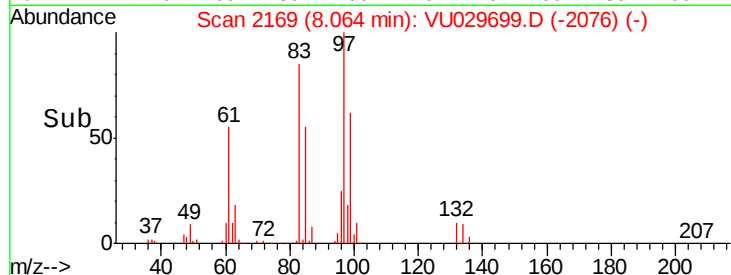
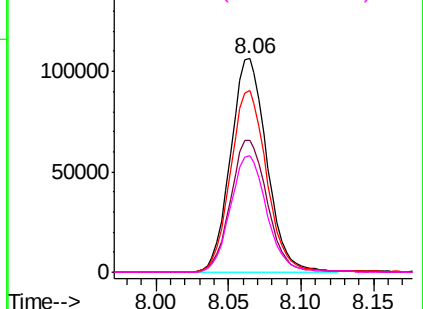
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

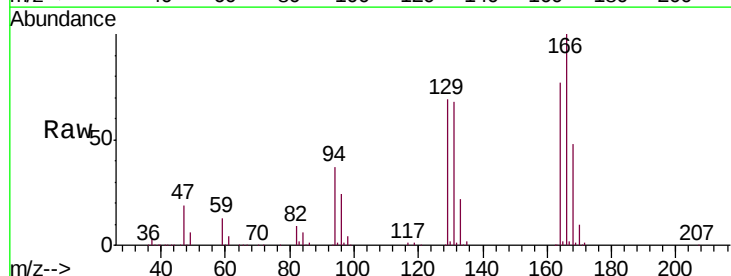
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 51.836 ug/L
 RT: 8.23 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029699.D
 Acq: 26 Feb 2019 21:58

Tgt Ion:	164	Resp:	161242
Ion	Ratio	Lower	Upper
164	100		
129	89.2	62.1	115.3
131	87.6	60.1	111.5
166	129.6	89.7	166.5



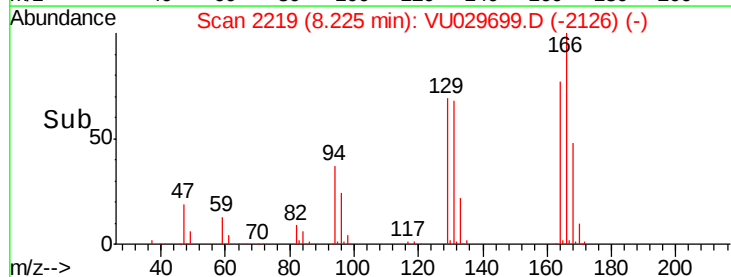
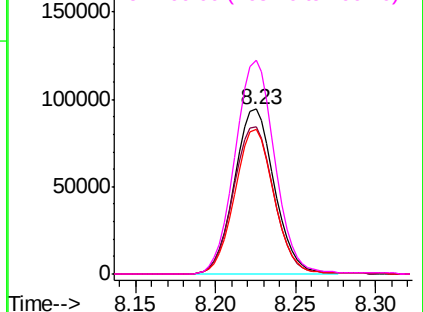
Abundance

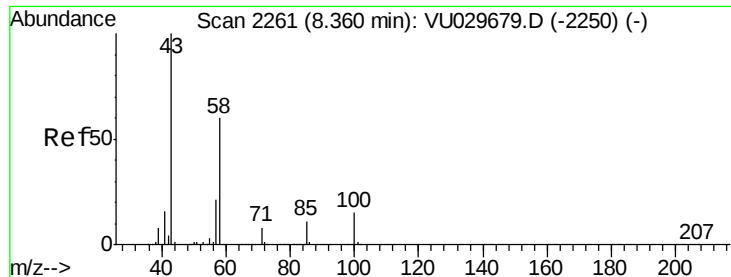
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

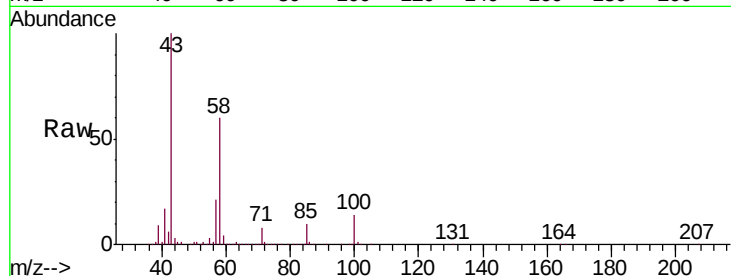
Ion 166.00 (165.70 to 166.70): V



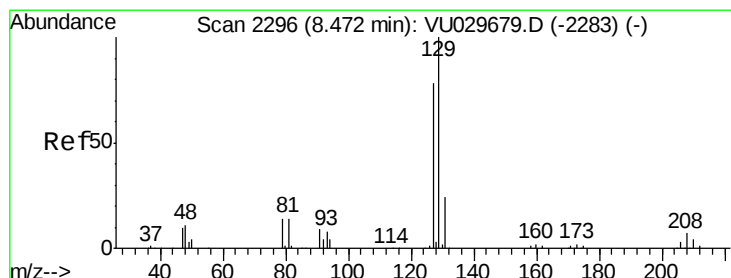
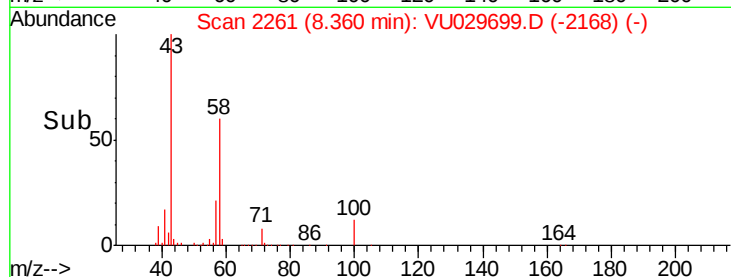
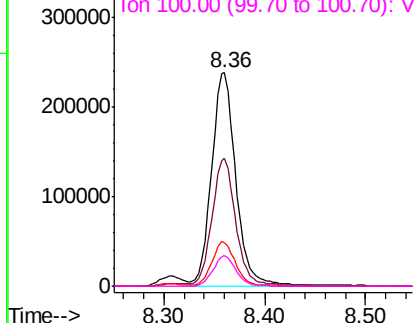


#48
2-Hexanone
Concen: 104.239 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU029699.D
Acq: 26 Feb 2019 21:58

Tgt Ion:	43	Resp:	396559
Ion	Ratio	Lower	Upper
43	100		
58	58.2	46.4	69.6
57	20.5	15.7	23.5
100	13.6	10.9	16.3

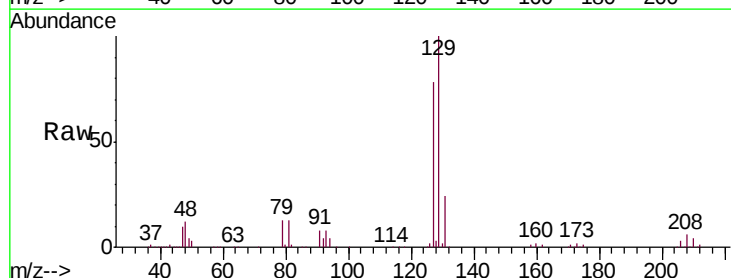


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

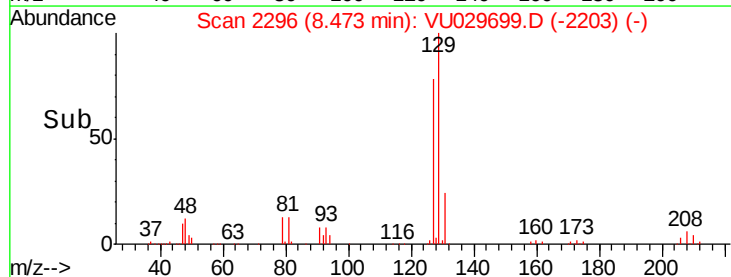
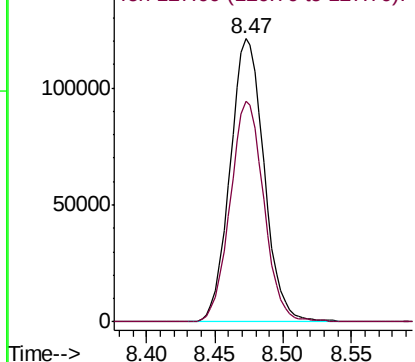


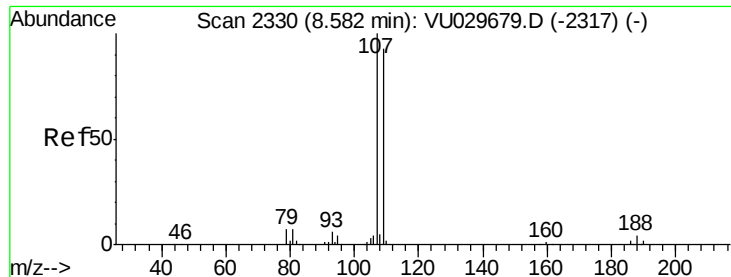
#49
Dibromochloromethane
Concen: 52.333 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029699.D
Acq: 26 Feb 2019 21:58

Tgt Ion:	129	Resp:	209423
Ion	Ratio	Lower	Upper
129	100		
127	78.0	54.4	101.0



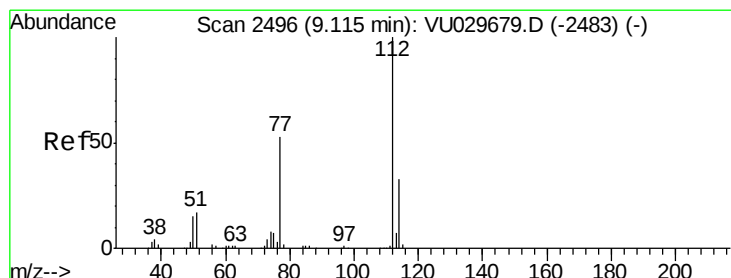
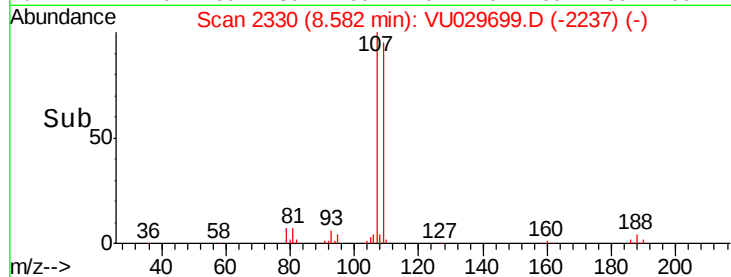
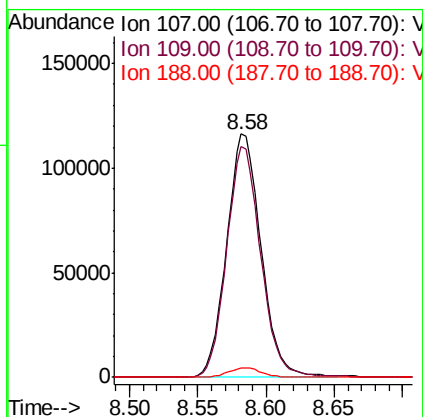
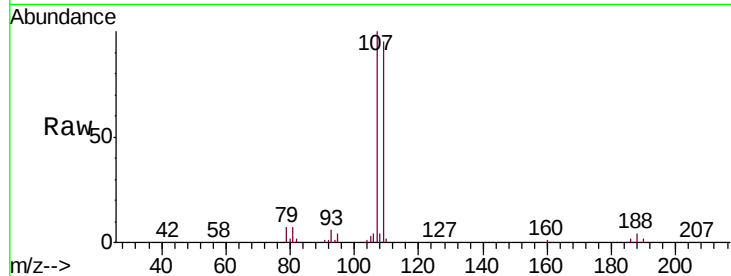
Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





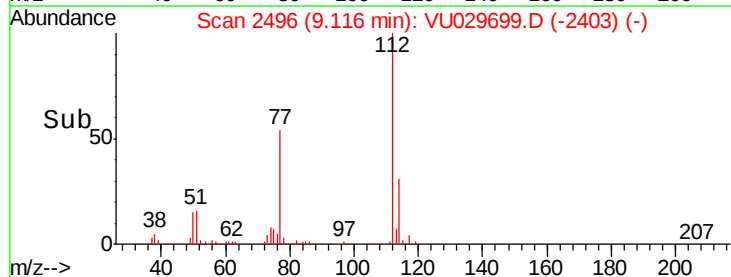
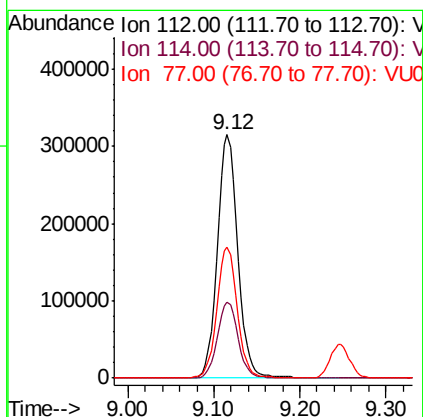
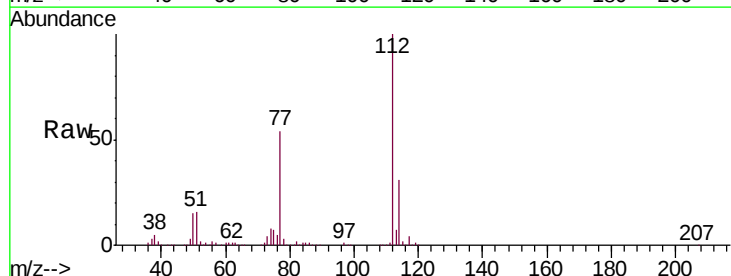
#50
 1,2-Dibromoethane
 Concen: 55.767 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU029699.D
 Acq: 26 Feb 2019 21:58

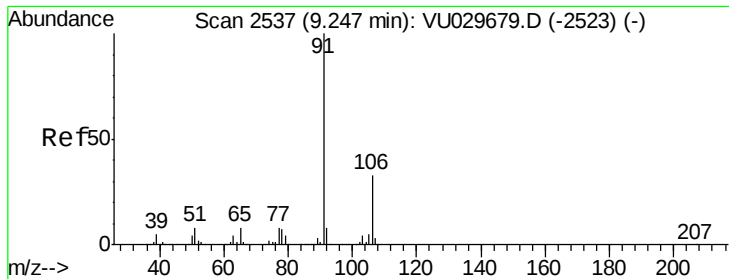
Tgt Ion:	107	Resp:	203948
Ion	Ratio	Lower	Upper
107	100		
109	94.8	66.4	123.4
188	3.8	3.5	5.3



#51
 Chlorobenzene
 Concen: 54.343 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU029699.D
 Acq: 26 Feb 2019 21:58

Tgt Ion:	112	Resp:	520374
Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.7	42.1
77	53.7	42.1	63.1





#52

Ethylbenzene

Concen: 53.769 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029699.D

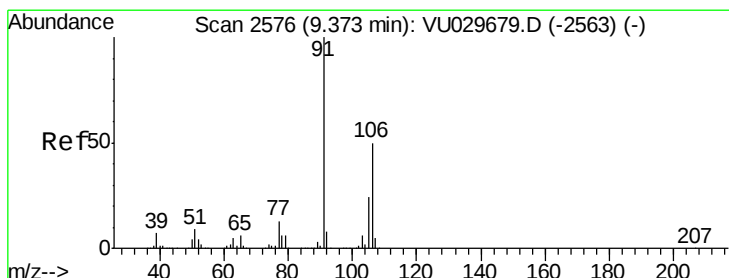
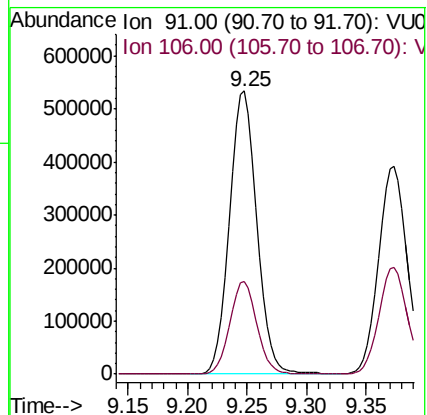
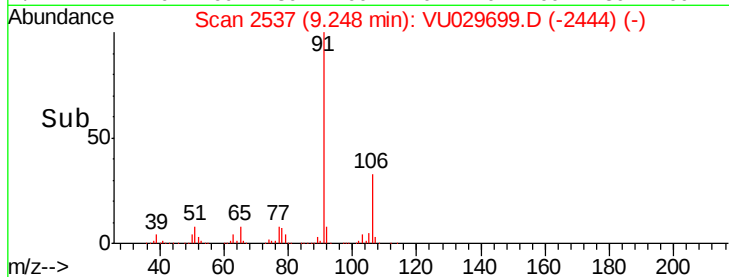
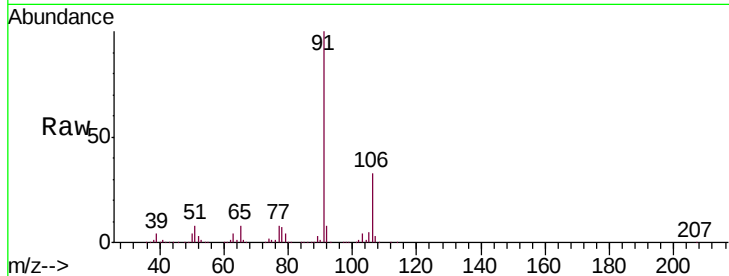
Acq: 26 Feb 2019 21:58

Tgt Ion: 91 Resp: 851977

Ion Ratio Lower Upper

91 100

106 32.9 22.7 42.1



#53

m,p-Xylene

Concen: 52.805 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029699.D

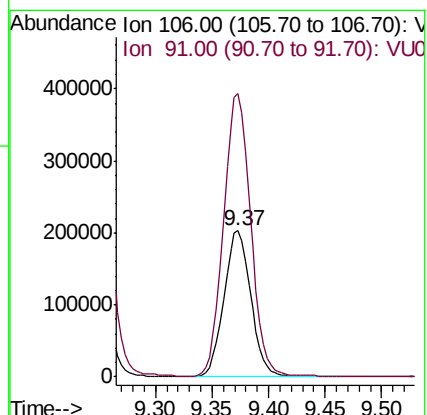
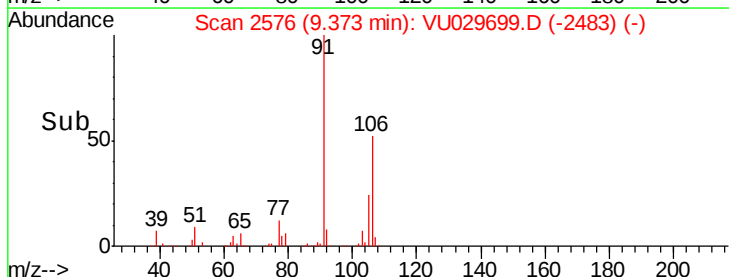
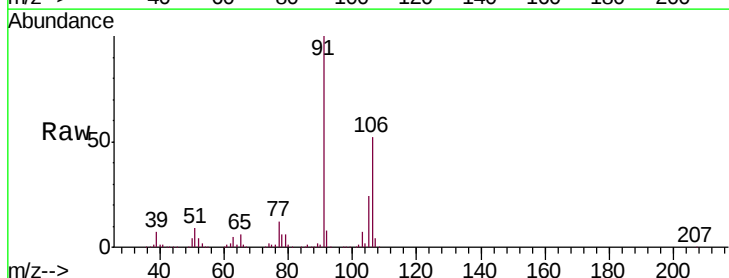
Acq: 26 Feb 2019 21:58

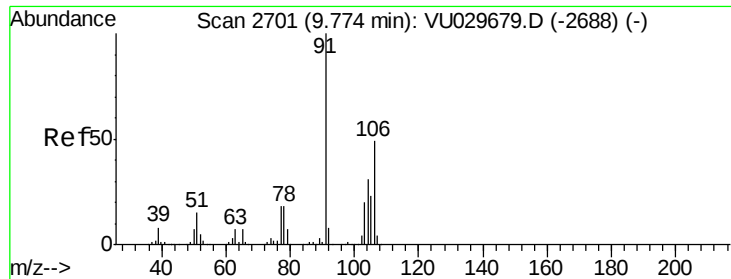
Tgt Ion: 106 Resp: 335868

Ion Ratio Lower Upper

106 100

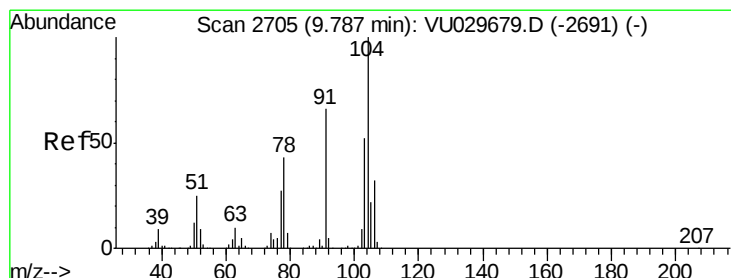
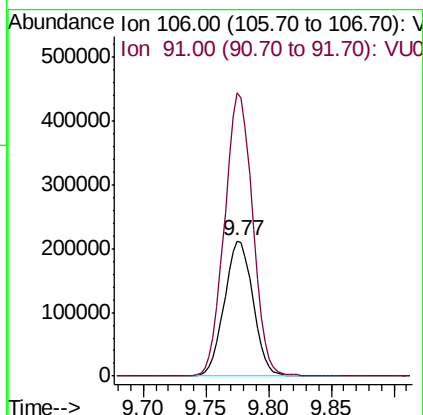
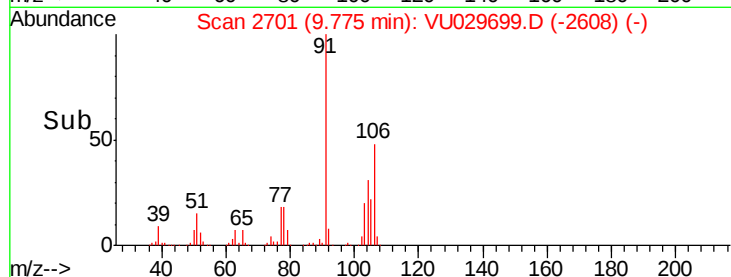
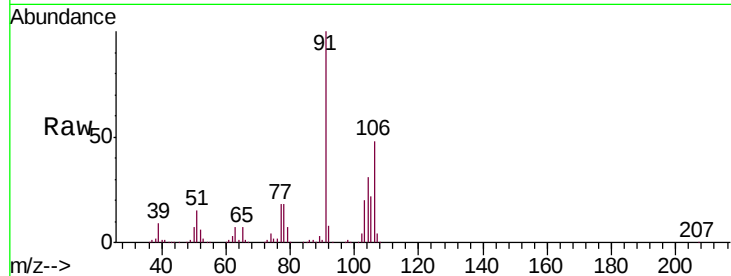
91 194.1 135.3 251.3





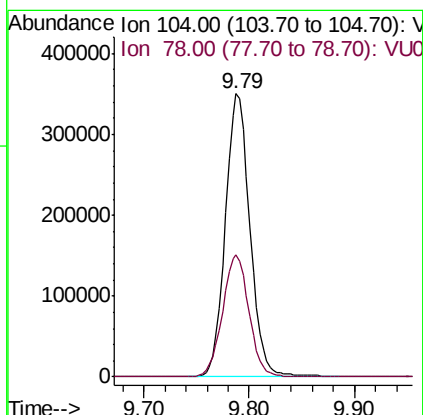
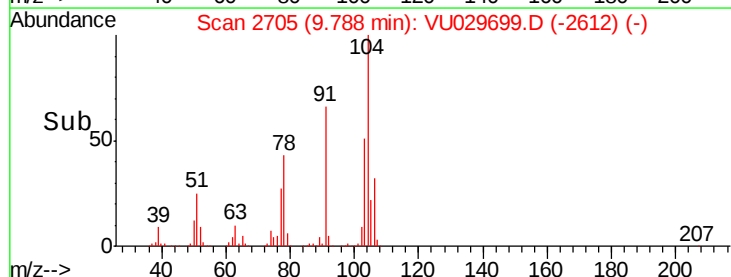
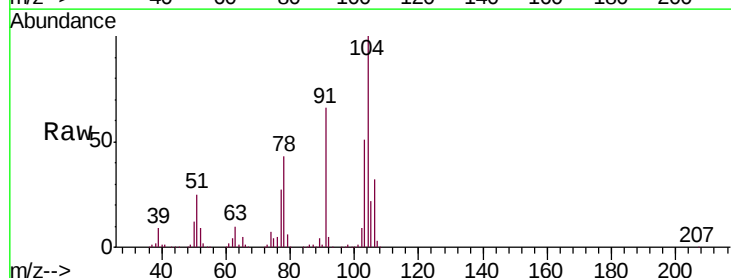
#54
o-xylene
Concen: 52.522 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU029699.D
Acq: 26 Feb 2019 21:58

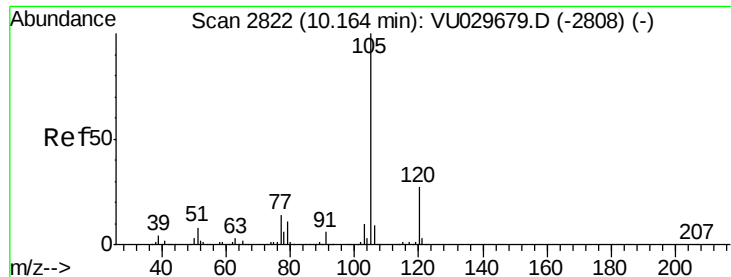
Tgt Ion:106 Resp: 335563
Ion Ratio Lower Upper
106 100
91 209.5 144.5 268.3



#55
Styrene
Concen: 52.422 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU029699.D
Acq: 26 Feb 2019 21:58

Tgt Ion:104 Resp: 565396
Ion Ratio Lower Upper
104 100
78 43.2 31.3 58.1





#56

Isopropylbenzene

Concen: 52.287 ug/L

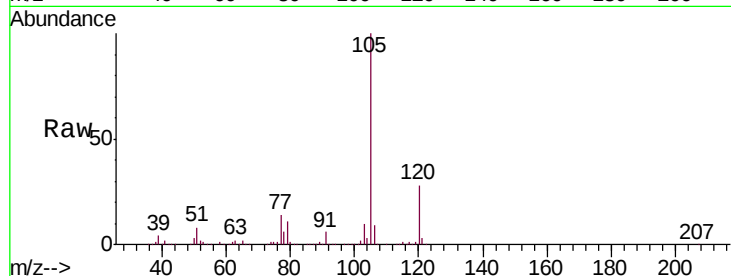
RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

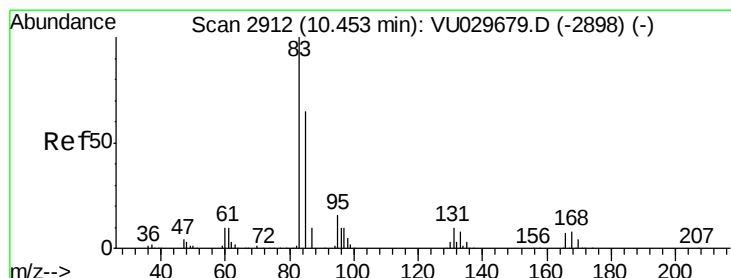
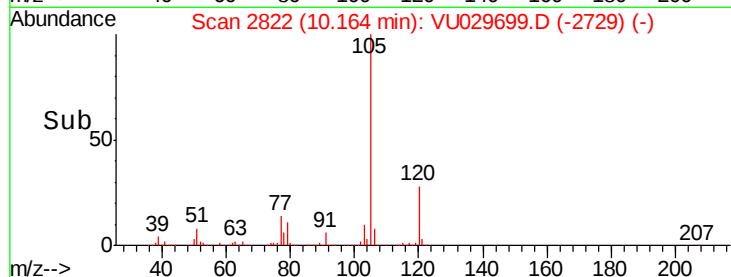
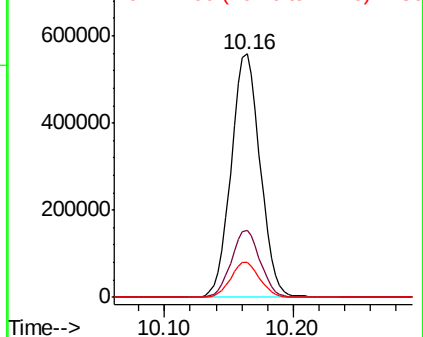
Lab File: VU029699.D

Acq: 26 Feb 2019 21:58

Tgt Ion:	105	Resp:	874161
Ion	Ratio	Lower	Upper
105	100		
120	27.3	21.9	32.9
77	14.5	11.7	17.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 54.841 ug/L

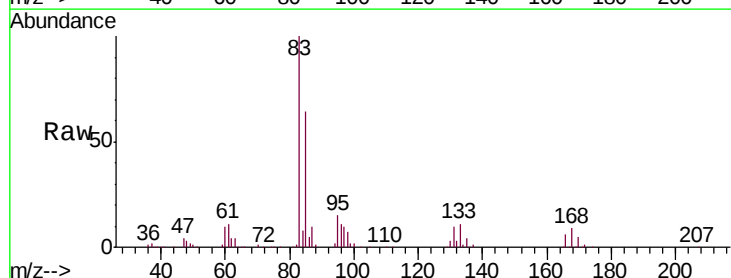
RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

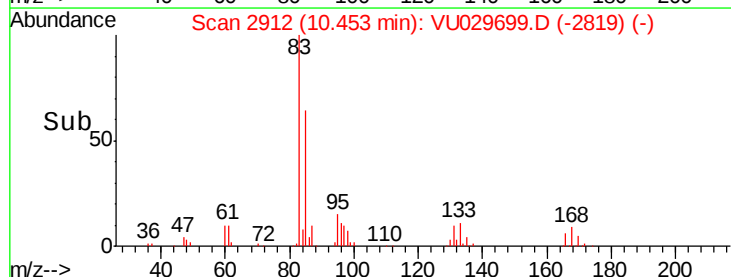
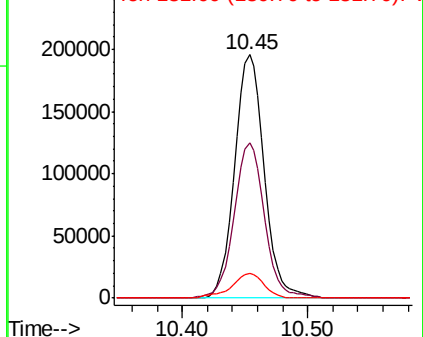
Lab File: VU029699.D

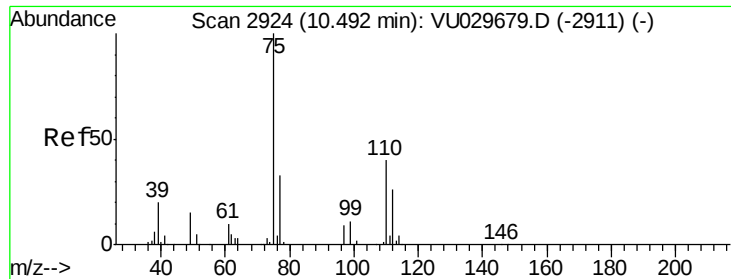
Acq: 26 Feb 2019 21:58

Tgt Ion:	83	Resp:	320108
Ion	Ratio	Lower	Upper
83	100		
85	63.7	45.5	84.5
131	10.0	8.6	12.8



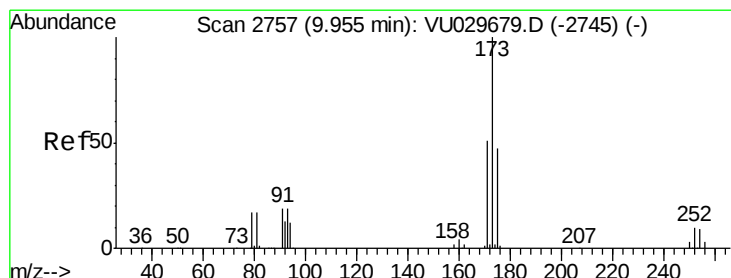
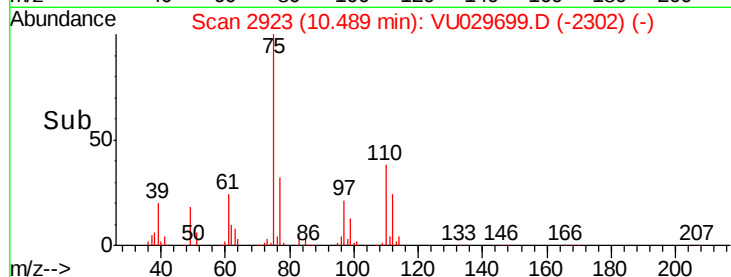
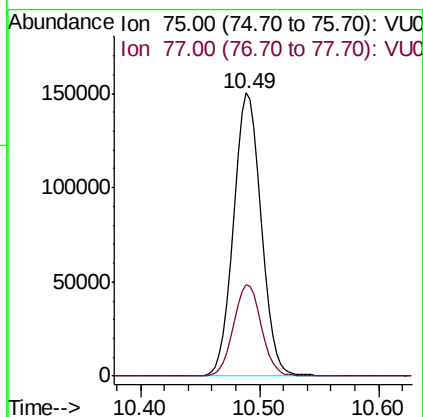
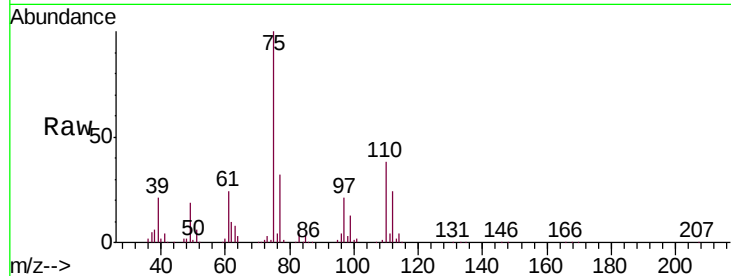
Abundance Ion 83.00 (82.70 to 83.70): VU
Ion 85.00 (84.70 to 85.70): VU
Ion 131.00 (130.70 to 131.70): V





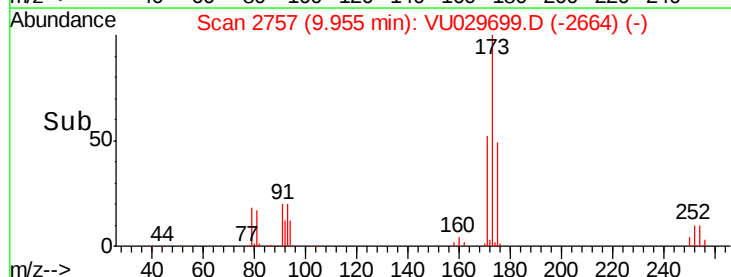
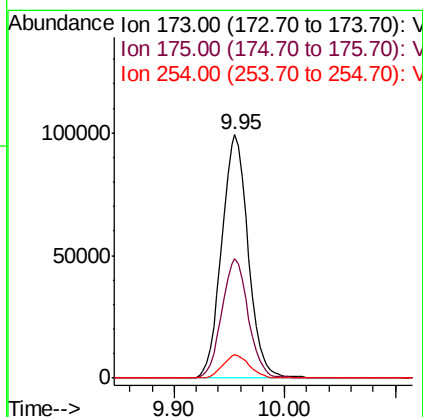
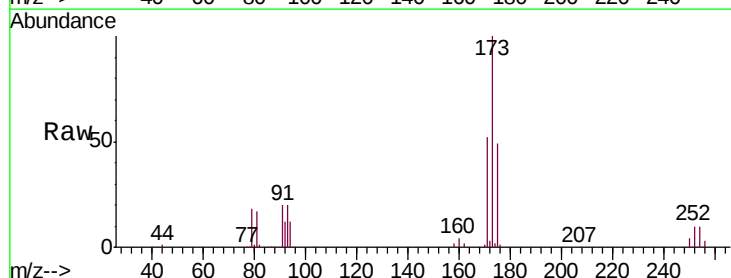
#59
 1,2,3-Trichloropropane
 Concen: 54.855 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU029699.D
 Acq: 26 Feb 2019 21:58

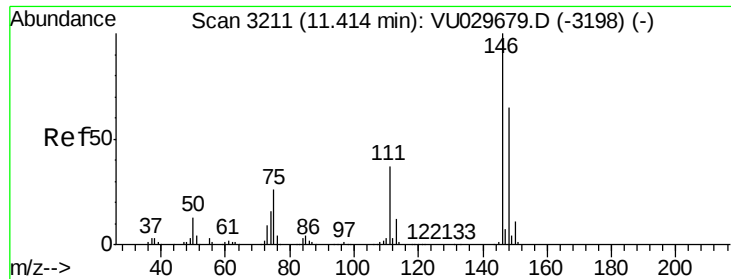
Tgt Ion: 75 Resp: 242214
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.7 38.5



#61
 Bromoform
 Concen: 49.681 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU029699.D
 Acq: 26 Feb 2019 21:58

Tgt Ion: 173 Resp: 164940
 Ion Ratio Lower Upper
 173 100
 175 49.3 39.0 58.4
 254 9.6 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 53.469 ug/L

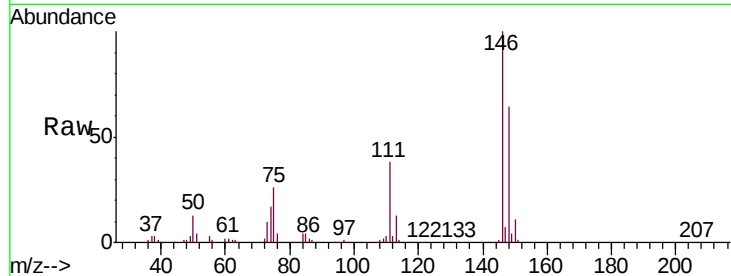
RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU029699.D

Acq: 26 Feb 2019 21:58

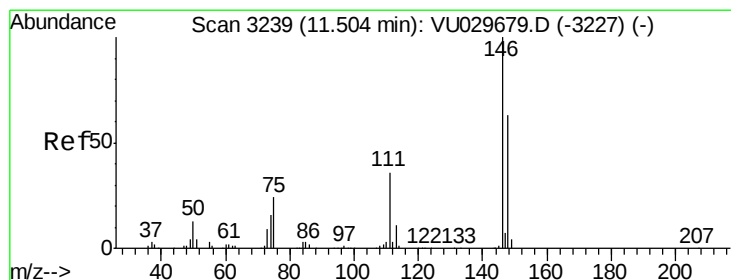
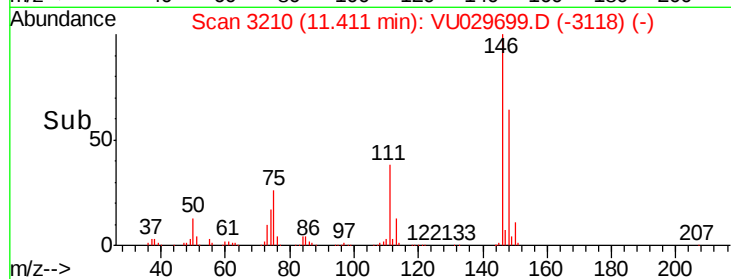
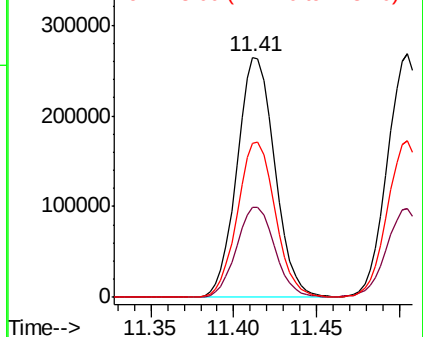
Tgt Ion:	146	Resp:	420286
Ion	Ratio	Lower	Upper
146	100		
111	37.6	26.7	49.5
148	64.4	45.9	85.3



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: 53.496 ug/L

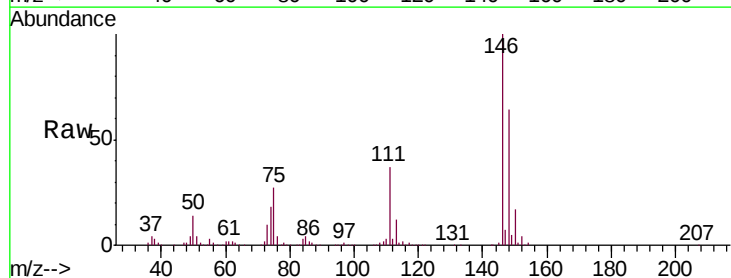
RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029699.D

Acq: 26 Feb 2019 21:58

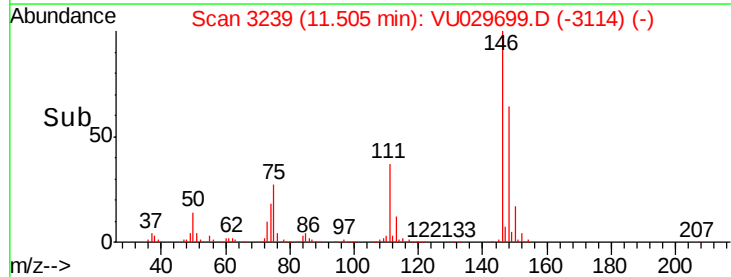
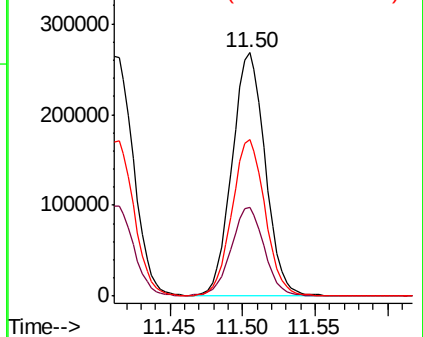
Tgt Ion:	146	Resp:	423170
Ion	Ratio	Lower	Upper
146	100		
111	36.5	25.1	46.5
148	64.2	45.0	83.6

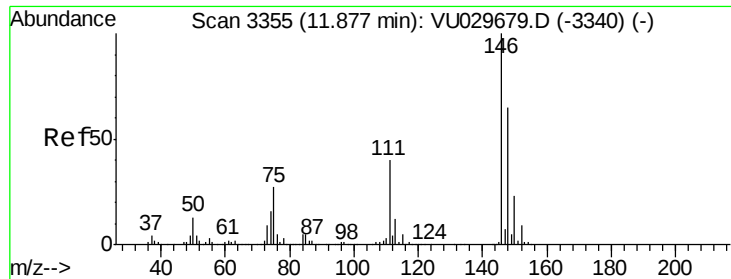


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

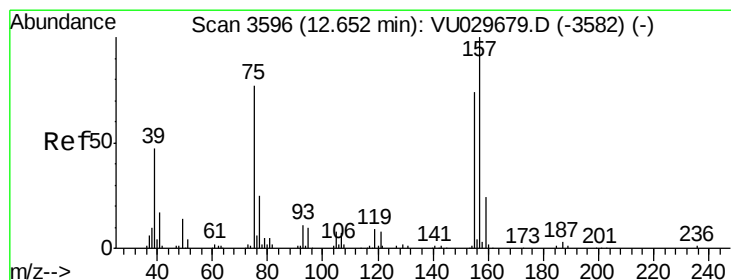
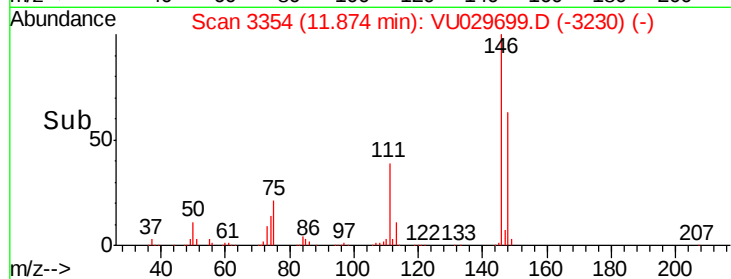
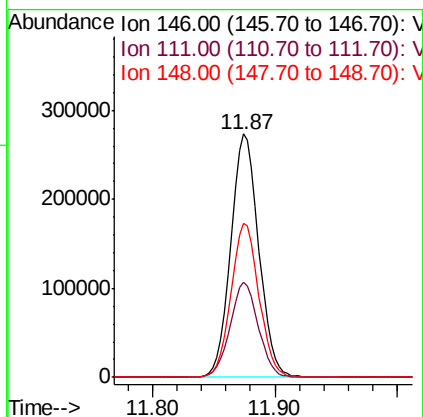
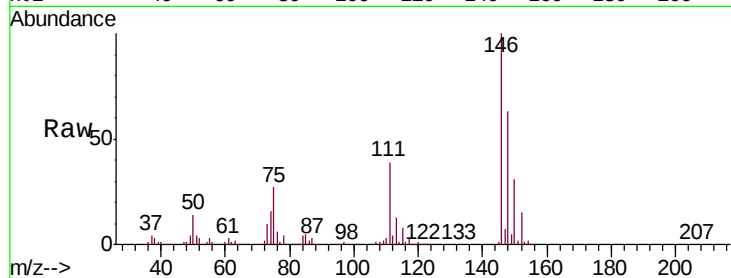
Ion 148.00 (147.70 to 148.70): V





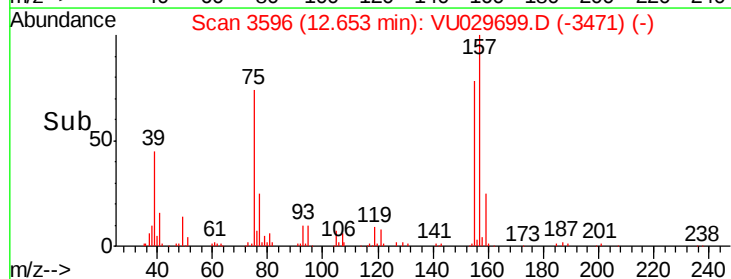
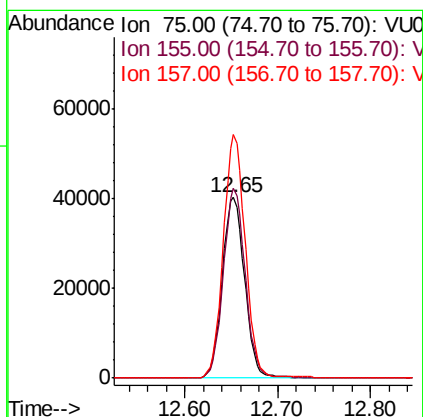
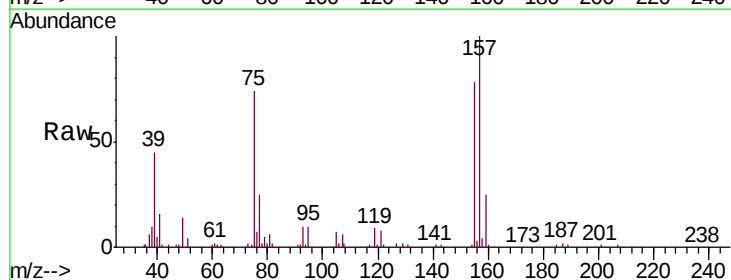
#65
 1,2-Dichlorobenzene
 Concen: 53.211 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029699.D
 Acq: 26 Feb 2019 21:58

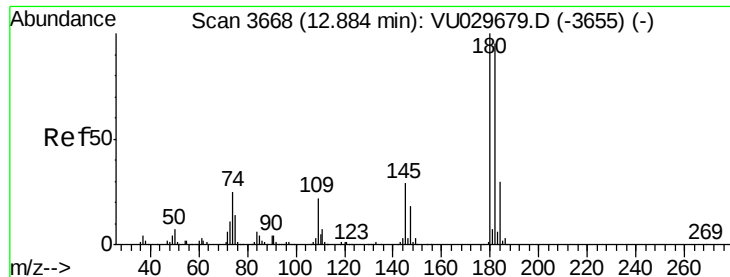
Tgt Ion: 146 Resp: 436598
 Ion Ratio Lower Upper
 146 100
 111 39.3 31.2 46.8
 148 63.4 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.207 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU029699.D
 Acq: 26 Feb 2019 21:58

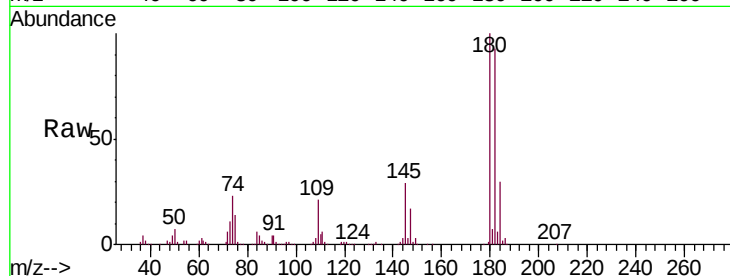
Tgt Ion: 75 Resp: 67937
 Ion Ratio Lower Upper
 75 100
 155 104.9 79.5 119.3
 157 134.8 103.4 155.0



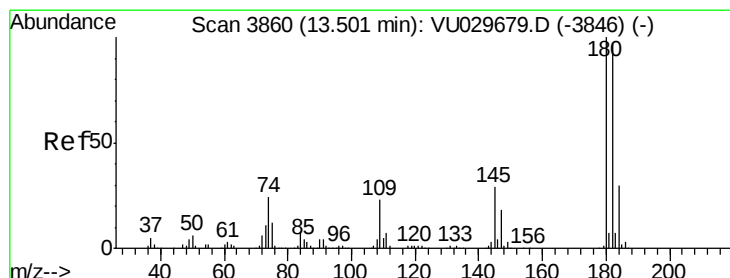
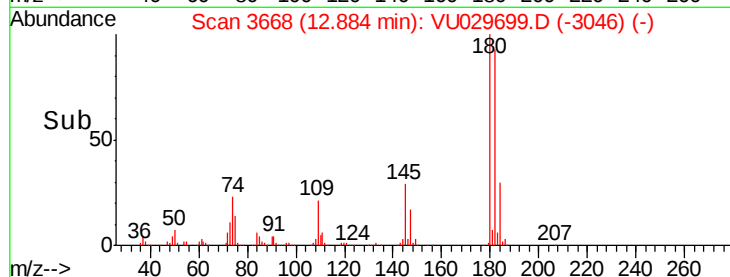
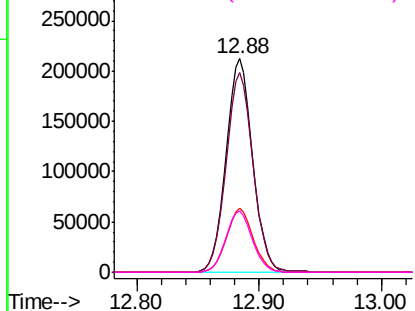


#67
 1,3,5-Trichlorobenzene
 Concen: 54.169 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029699.D
 Acq: 26 Feb 2019 21:58

Tgt Ion:	180	Resp:	324923
Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.9	116.9
184	29.9	24.5	36.7
145	28.8	22.4	33.6

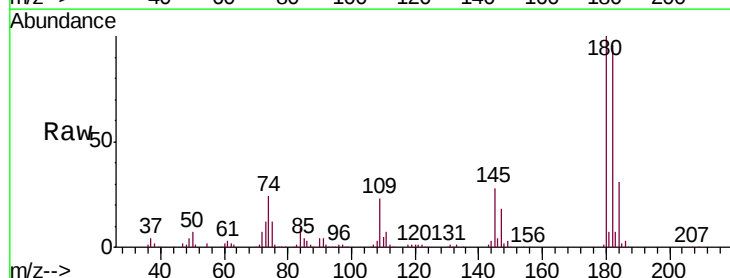


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

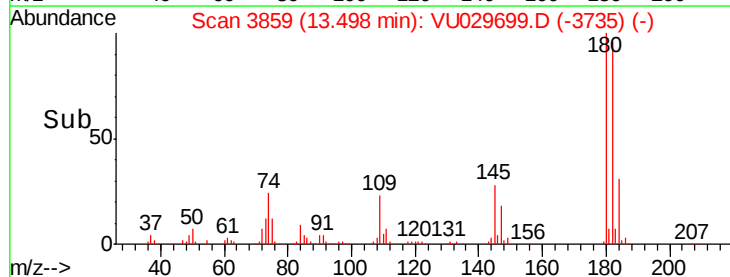
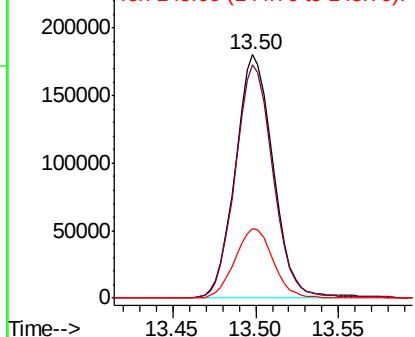


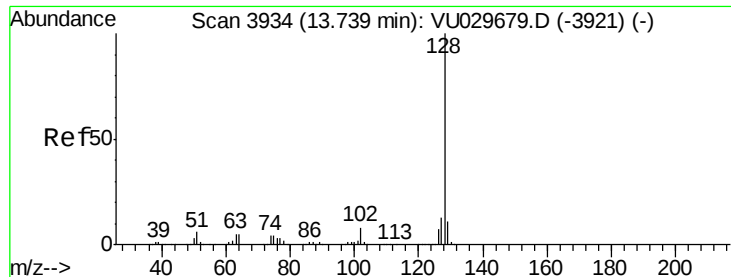
#68
 1,2,4-trichlorobenzene
 Concen: 54.942 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU029699.D
 Acq: 26 Feb 2019 21:58

Tgt Ion:	180	Resp:	285037
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.2	114.2
145	29.0	22.7	34.1



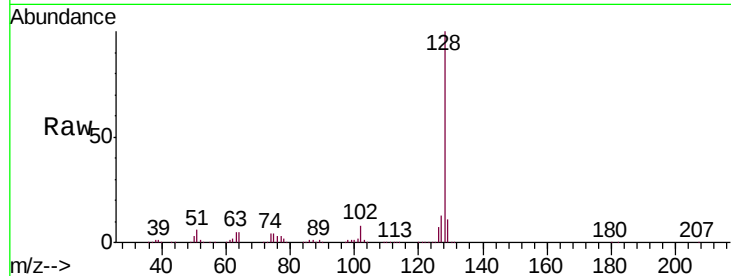
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



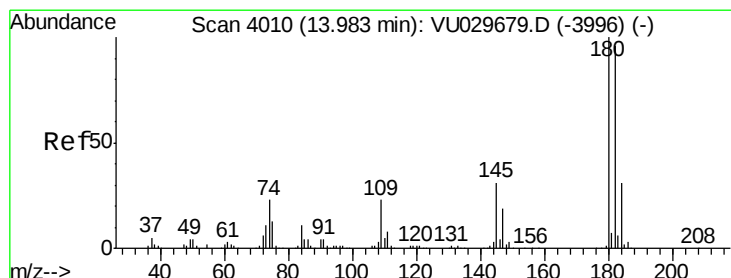
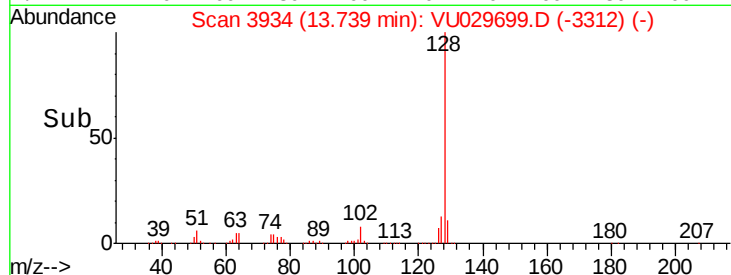
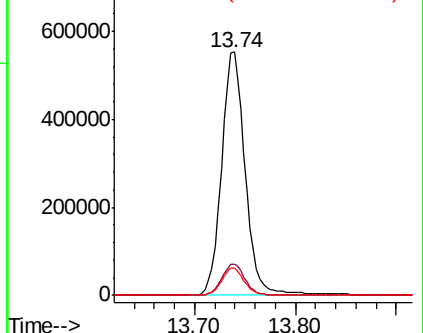


#69
Naphthalene
Concen: 56.852 ug/L
RT: 13.74 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VU029699.D
Acq: 26 Feb 2019 21:58

Tgt Ion:128 Resp: 906582
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.0 8.5 12.7

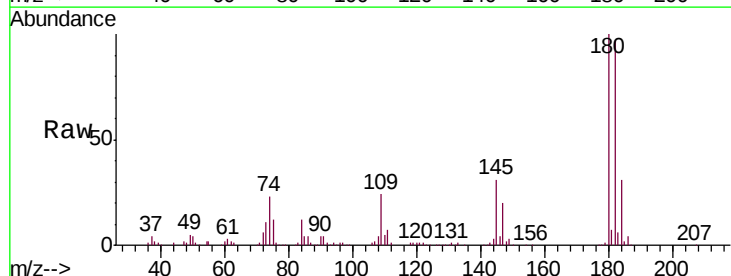


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70
1,2,3-Trichlorobenzene
Concen: 54.096 ug/L
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU029699.D
Acq: 26 Feb 2019 21:58

Tgt Ion:180 Resp: 298031
Ion Ratio Lower Upper
180 100
182 95.2 76.8 115.2
145 30.5 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

