

Data File : VU029679.D
Acq On : 26 Feb 2019 14:01
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 27 01:40:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 26 00:12:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	474550	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	472516	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	251631	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	157633	45.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.66%
7) Chloroethane-d5	1.68	69	139129	45.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.02%
11) 1,1-Dichloroethene-d2	2.27	63	304919	44.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.72%
21) 2-Butanone-d5	4.17	46	226730	107.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.14%
24) Chloroform-d	4.64	84	300376	53.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.52%
26) 1,2-Dichloroethane-d4	5.31	65	185526	51.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.92%
32) Benzene-d6	5.34	84	638685	53.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.44%
36) 1,2-Dichloropropane-d6	6.33	67	192283	53.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.50%
41) Toluene-d8	7.56	98	619063	51.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.04%
43) trans-1,3-Dichloropropene-	7.85	79	96497	50.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.72%
47) 2-Hexanone-d5	8.31	63	179818	90.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	308127	50.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	271117	50.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	175123	53.821	ug/L	100
3) Chloromethane	1.33	50	152045	53.266	ug/L	99
5) Vinyl chloride	1.40	62	193400	49.889	ug/L	99
6) Bromomethane	1.62	94	102400	57.878	ug/L	98
8) Chloroethane	1.70	64	118287	45.875	ug/L	99
9) Trichlorofluoromethane	1.88	101	276792	44.791	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	163418	49.438	ug/L	98
12) 1,1-Dichloroethene	2.28	96	150039	47.744	ug/L	97
13) Acetone	2.32	43	244975	108.336	ug/L	100
14) Carbon disulfide	2.48	76	441763	53.676	ug/L	100
15) Methyl Acetate	2.61	43	163699	55.774	ug/L	100
16) Methylene chloride	2.70	84	171910	56.533	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	162682	56.087	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	490556	54.628	ug/L	99
19) 1,1-Dichloroethane	3.44	63	283014	56.429	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	184293	54.682	ug/L	99
22) 2-Butanone	4.26	43	277542	107.548	ug/L	100

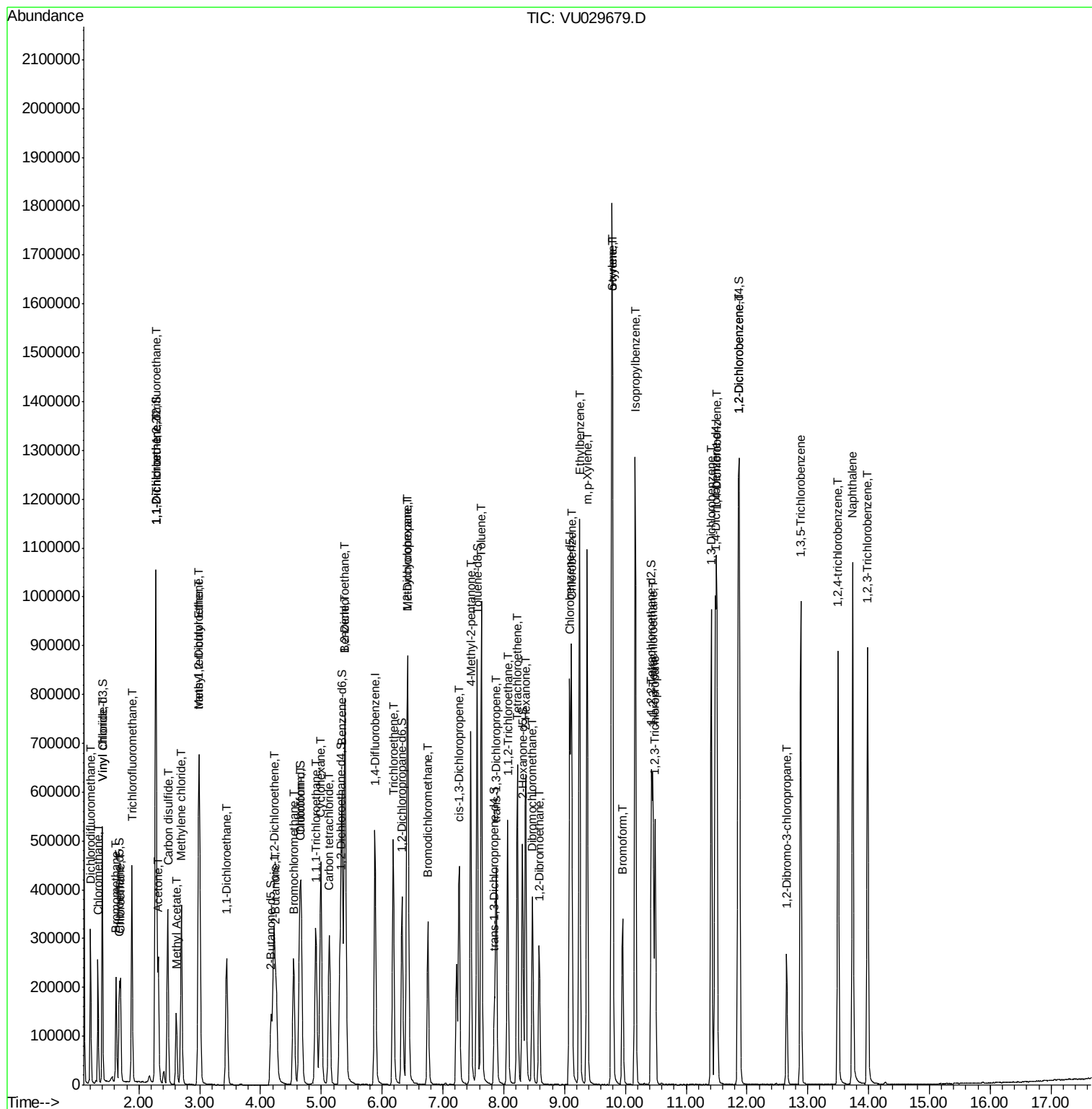
Data File : VU029679.D
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Misc : 5.0mL/MSVOA_U/WATER
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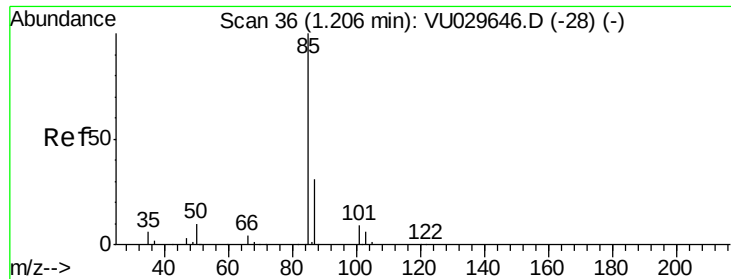
Quant Time: Feb 27 01:40:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 26 00:12:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	98003	53.044	ug/L	97
25) Chloroform	4.67	83	315262	56.339	ug/L	99
27) 1,2-Dichloroethane	5.40	62	224919	52.279	ug/L	100
29) Cyclohexane	4.99	56	254032	54.326	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	259549	51.805	ug/L	99
31) Carbon tetrachloride	5.13	117	228964	50.492	ug/L	99
33) Benzene	5.39	78	663511	54.770	ug/L	100
34) Trichloroethene	6.18	95	178001	54.542	ug/L	96
35) Methylcyclohexane	6.41	83	298865	55.143	ug/L	98
37) 1,2-Dichloropropane	6.43	63	175300	55.123	ug/L	100
38) Bromodichloromethane	6.75	83	225698	52.644	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	278416	54.263	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	454787	101.697	ug/L	98
42) Toluene	7.63	91	754199	52.643	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	254457	52.623	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	178354	52.617	ug/L	99
46) Tetrachloroethene	8.22	164	161011	50.406	ug/L	98
48) 2-Hexanone	8.36	43	384563	98.439	ug/L	97
49) Dibromochloromethane	8.47	129	203975	49.638	ug/L	99
50) 1,2-Dibromoethane	8.58	107	194288	51.735	ug/L	99
51) Chlorobenzene	9.12	112	508154	51.678	ug/L	99
52) Ethylbenzene	9.25	91	841760	51.733	ug/L	100
53) m,p-Xylene	9.37	106	334920	51.277	ug/L	97
54) o-xylene	9.77	106	328413	50.057	ug/L	99
55) Styrene	9.79	104	564087	50.931	ug/L	98
56) Isopropylbenzene	10.16	105	863983	50.325	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	304318	50.771	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	227634	50.203	ug/L	99
61) Bromoform	9.95	173	162089	47.833	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	425284	53.008	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	434951	53.871	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	431558	51.530	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	62726	48.130	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	336024	54.885	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	297919	56.261	ug/L	99
69) Naphthalene	13.74	128	906832	55.715	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	308810	54.916	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 53.821 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029679.D

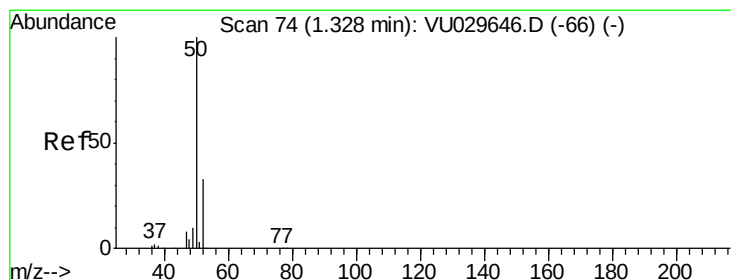
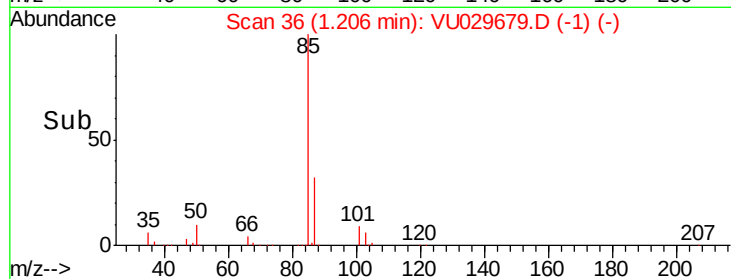
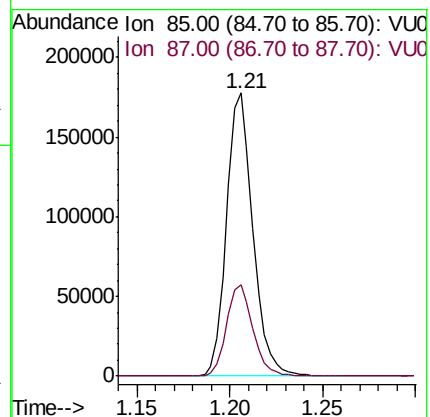
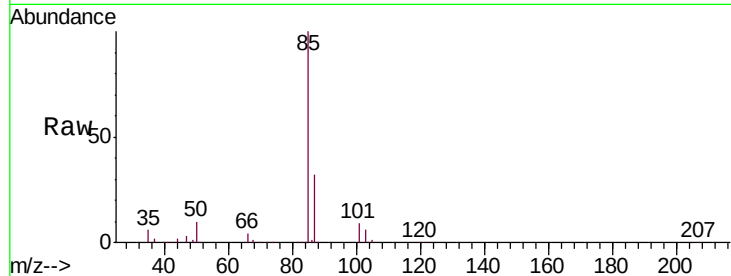
Acq: 26 Feb 2019 14:01

Tgt Ion: 85 Resp: 175123

Ion Ratio Lower Upper

85 100

87 32.3 25.9 38.9



#3

Chloromethane

Concen: 53.266 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029679.D

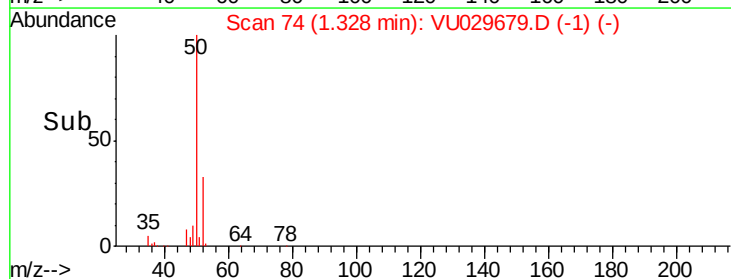
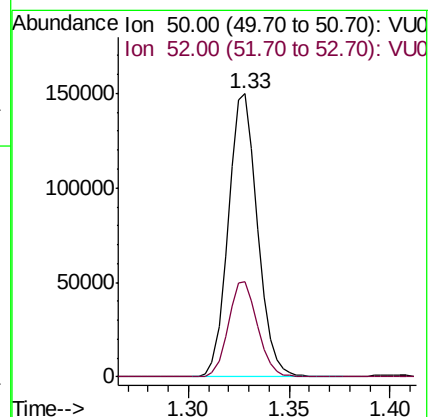
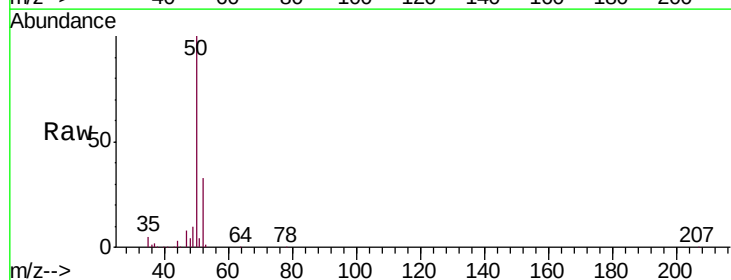
Acq: 26 Feb 2019 14:01

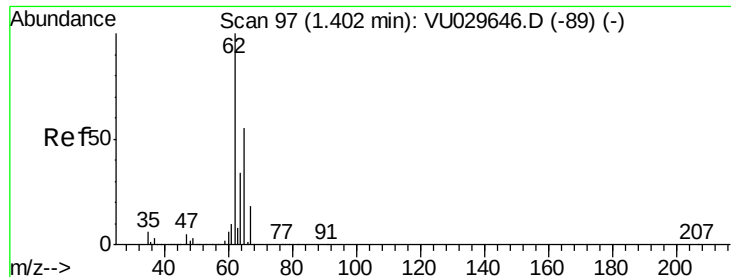
Tgt Ion: 50 Resp: 152045

Ion Ratio Lower Upper

50 100

52 33.5 23.9 44.3





#5

Vinyl chloride

Concen: 49.889 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029679.D

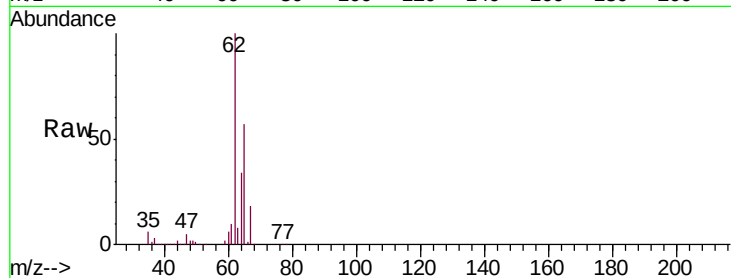
Acq: 26 Feb 2019 14:01

Tgt Ion: 62 Resp: 193400

Ion Ratio Lower Upper

62 100

64 34.2 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

200000

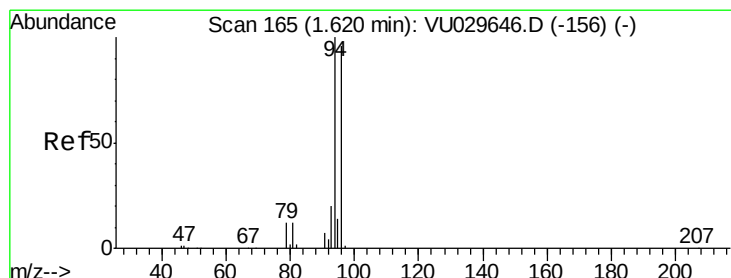
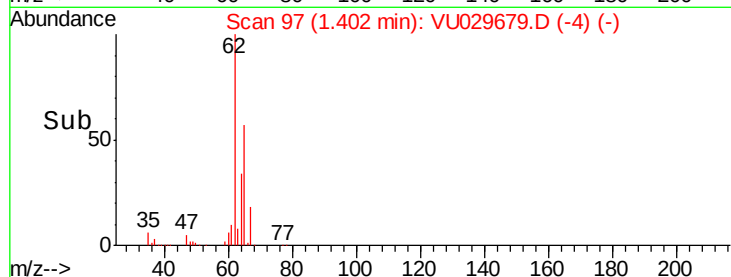
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 57.878 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU029679.D

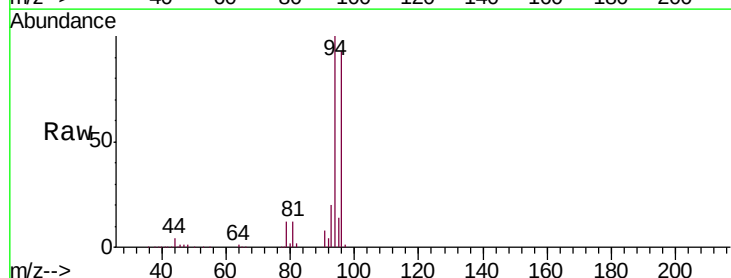
Acq: 26 Feb 2019 14:01

Tgt Ion: 94 Resp: 102400

Ion Ratio Lower Upper

94 100

96 93.2 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

80000

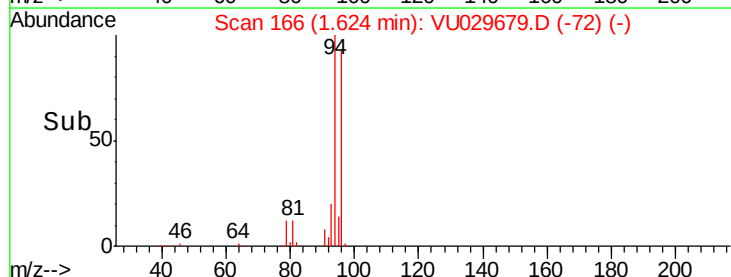
60000

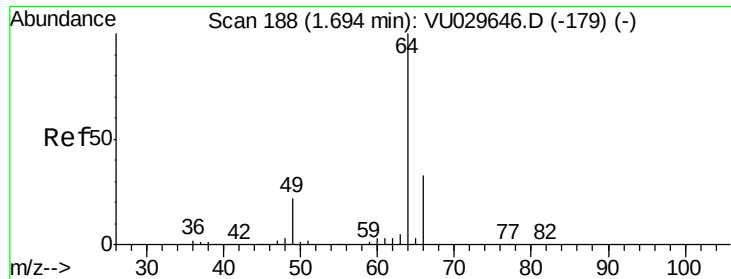
40000

20000

0

Time-->





#8

Chloroethane

Concen: 45.875 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029679.D

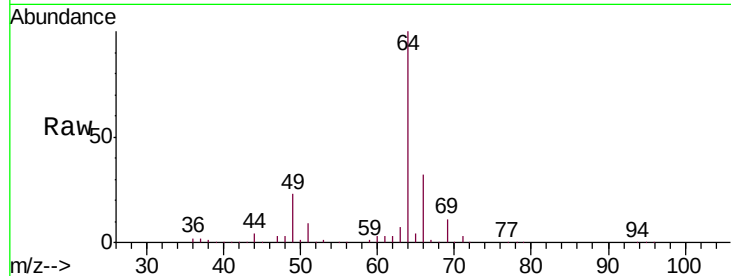
Acq: 26 Feb 2019 14:01

Tgt Ion: 64 Resp: 118287

Ion Ratio Lower Upper

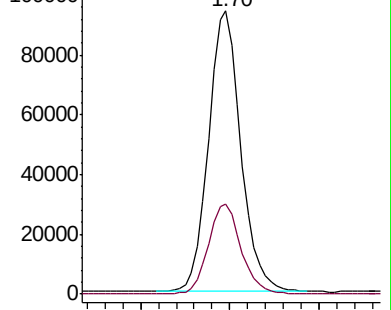
64 100

66 31.9 22.0 41.0

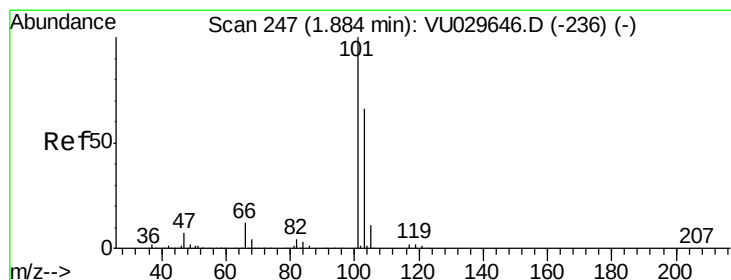
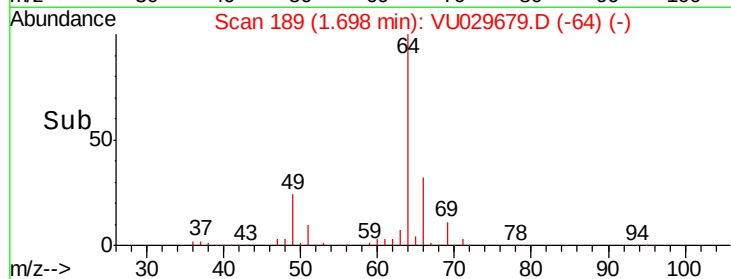


Abundance Ion 64.00 (63.70 to 64.70): VU029646.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU029646.D (-179) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 44.791 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU029679.D

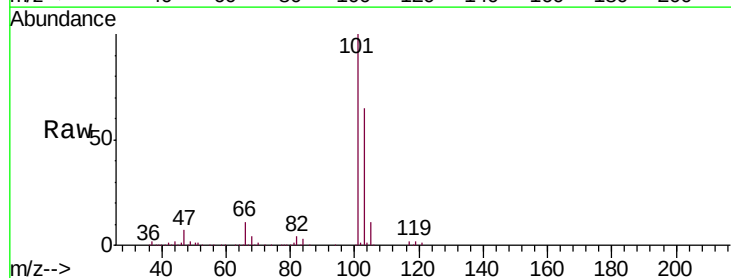
Acq: 26 Feb 2019 14:01

Tgt Ion: 101 Resp: 276792

Ion Ratio Lower Upper

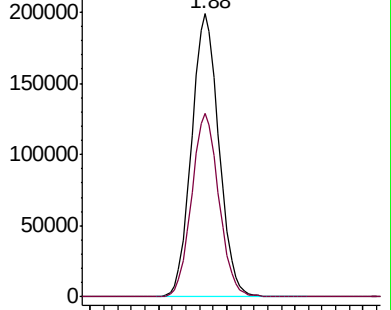
101 100

103 64.6 51.4 77.2

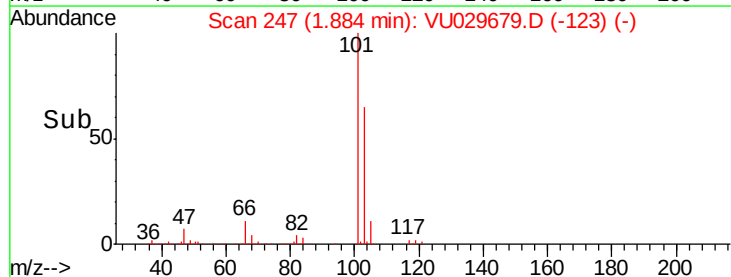


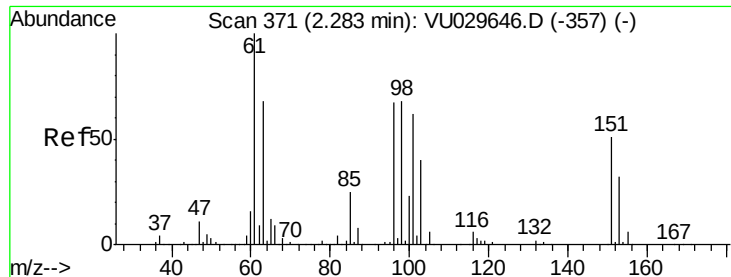
Abundance Ion 101.00 (100.70 to 101.70): VU029646.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU029646.D (-236) (-)



Time-->





#10

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

Concen: 49.438 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029679.D

Acq: 26 Feb 2019 14:01

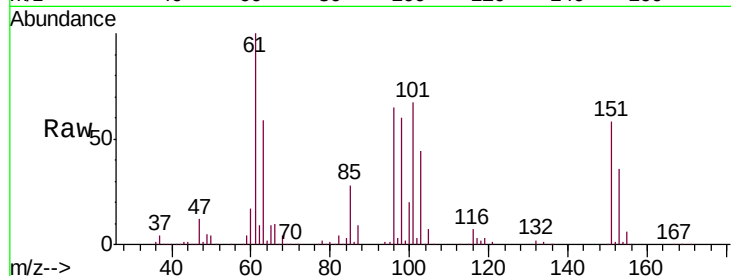
Tgt Ion: 101 Resp: 163418

Ion Ratio Lower Upper

101 100

85 41.7 33.0 49.6

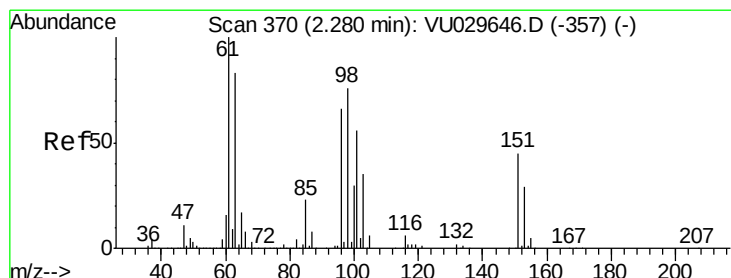
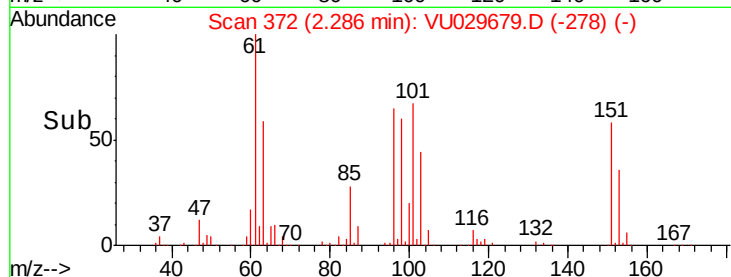
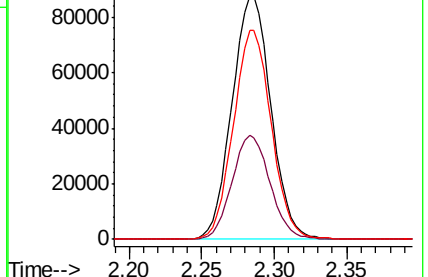
151 83.9 65.7 98.5



Abundance Ion 101.00 (100.70 to 101.70): VU029679.D (-278) (-)

Ion 85.00 (84.70 to 85.70): VU029679.D (-278) (-)

Ion 151.00 (150.70 to 151.70): VU029679.D (-278) (-)



#12

1,1-Dichloroethene

Concen: 47.744 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU029679.D

Acq: 26 Feb 2019 14:01

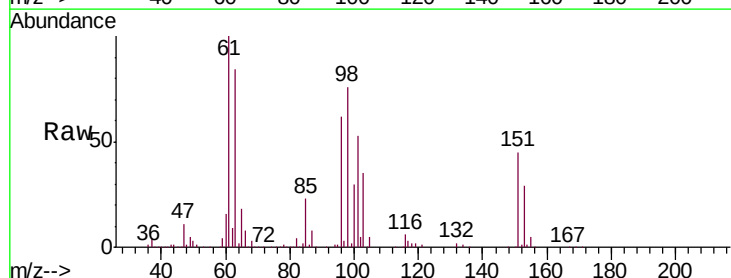
Tgt Ion: 96 Resp: 150039

Ion Ratio Lower Upper

96 100

61 160.4 114.0 211.8

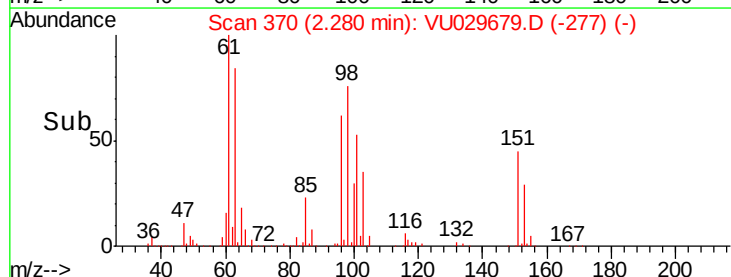
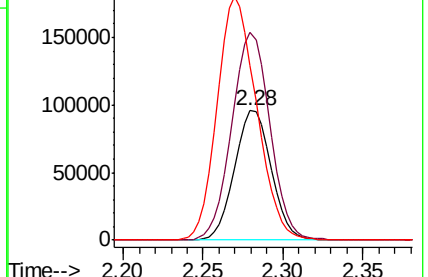
63 135.0 98.7 183.3

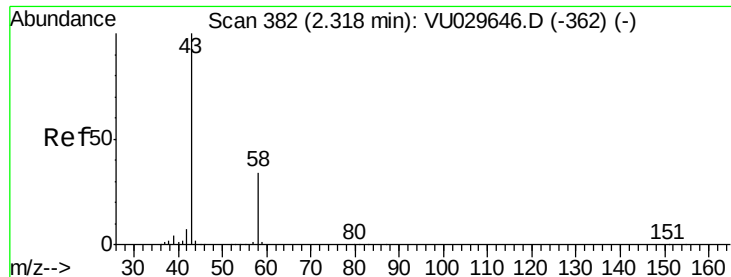


Abundance Ion 96.00 (95.70 to 96.70): VU029679.D (-277) (-)

Ion 61.00 (60.70 to 61.70): VU029679.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU029679.D (-277) (-)





#13

Acetone

Concen: 108.336 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU029679.D

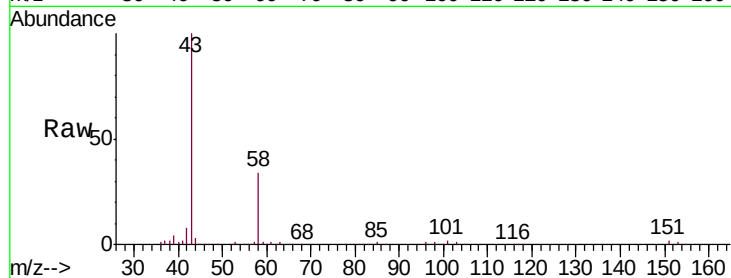
Acq: 26 Feb 2019 14:01

Tgt Ion: 43 Resp: 244975

Ion Ratio Lower Upper

43 100

58 33.6 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU029646.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU029646.D (-362) (-)

2.32

150000

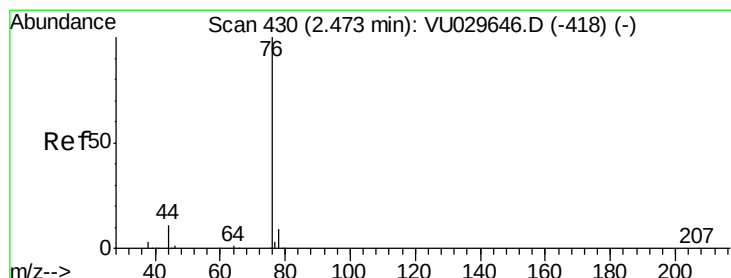
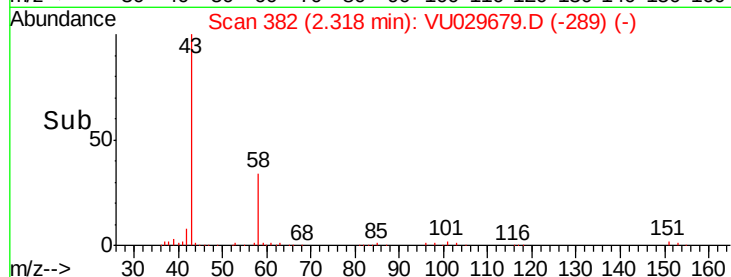
100000

50000

0

Time-->

2.20 2.30 2.40



#14

Carbon disulfide

Concen: 53.676 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029679.D

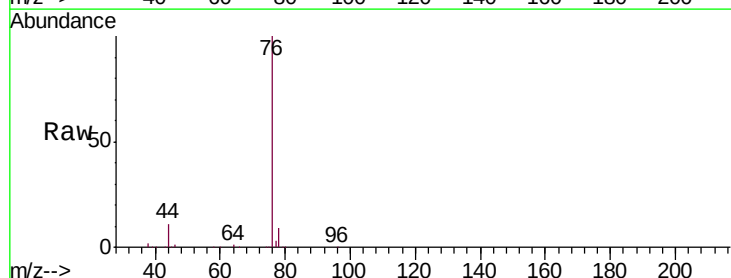
Acq: 26 Feb 2019 14:01

Tgt Ion: 76 Resp: 441763

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU029646.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU029646.D (-418) (-)

2.48

300000

250000

200000

150000

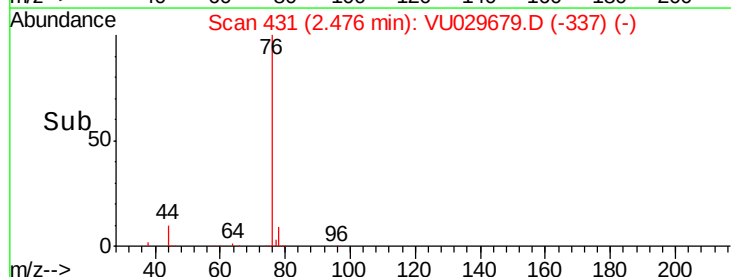
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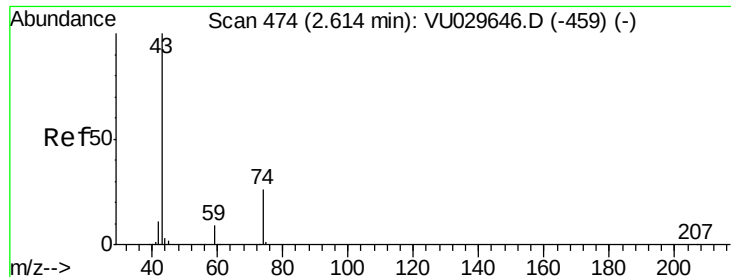
50000

0

Time-->

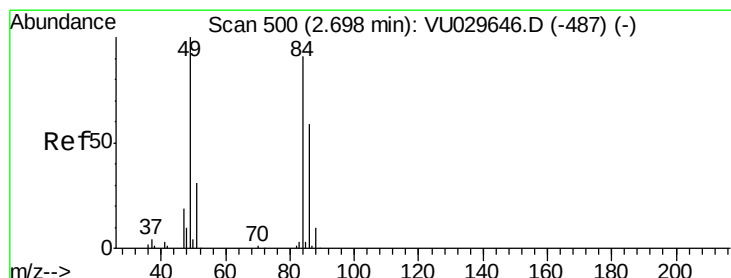
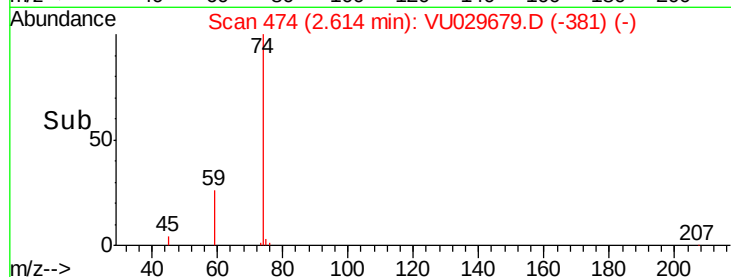
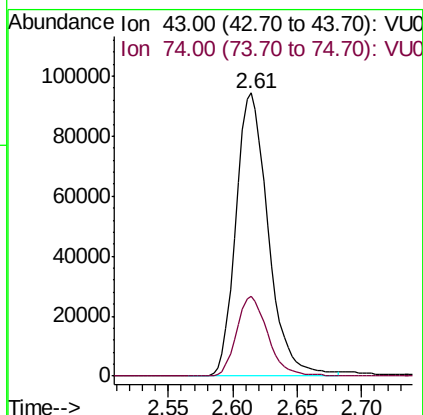
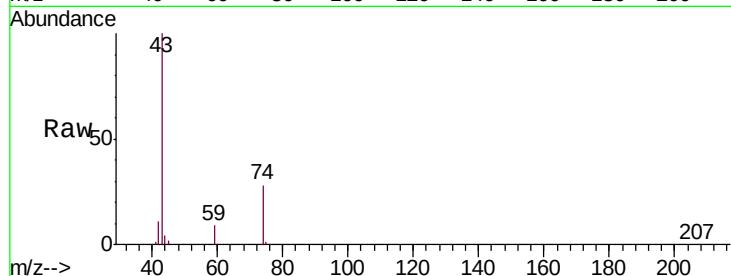
2.40 2.45 2.50 2.55





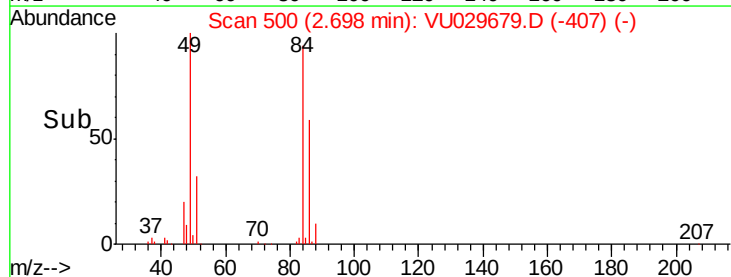
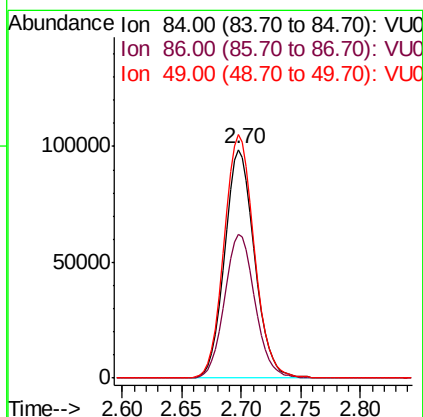
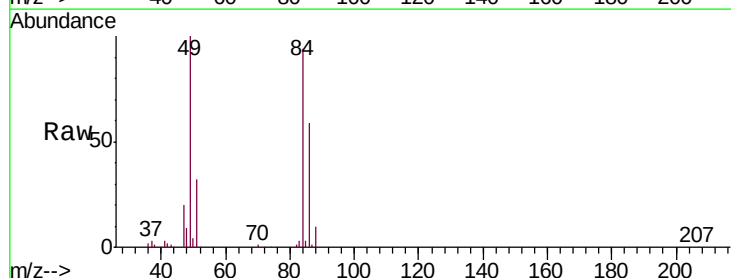
#15
Methyl Acetate
Concen: 55.774 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029679.D
Acq: 26 Feb 2019 14:01

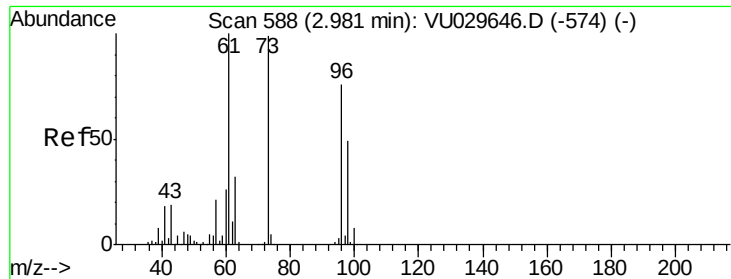
Tgt Ion: 43 Resp: 163699
Ion Ratio Lower Upper
43 100
74 27.1 21.5 32.3



#16
Methylene chloride
Concen: 56.533 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029679.D
Acq: 26 Feb 2019 14:01

Tgt Ion: 84 Resp: 171910
Ion Ratio Lower Upper
84 100
86 62.9 45.8 85.0
49 106.5 75.1 139.5





#17

trans-1,2-Dichloroethene

Concen: 56.087 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029679.D

Acq: 26 Feb 2019 14:01

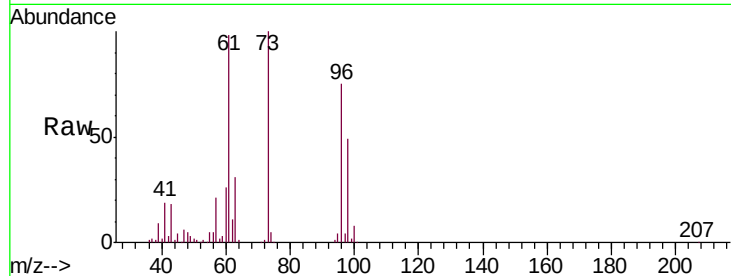
Tgt Ion: 96 Resp: 162682

Ion Ratio Lower Upper

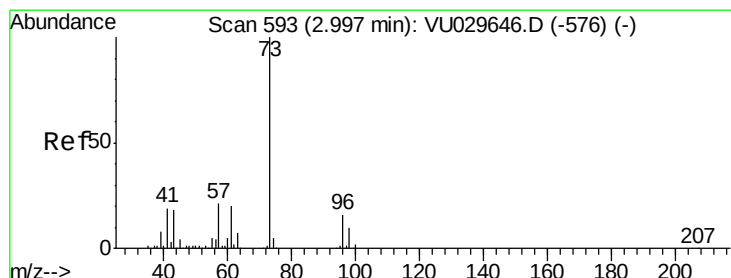
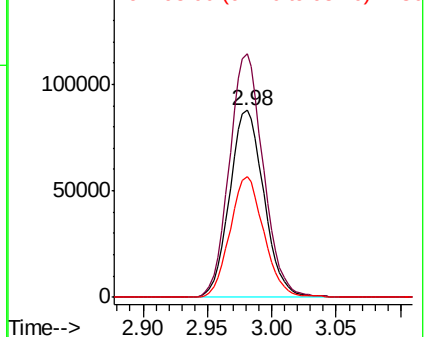
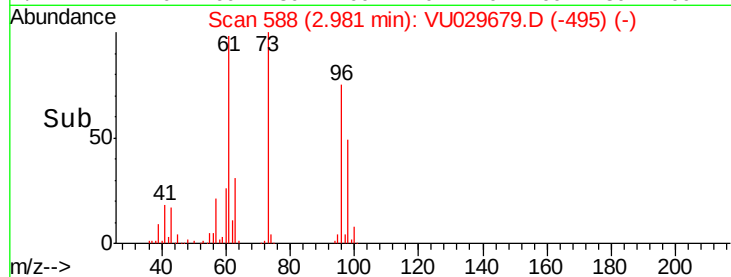
96 100

61 130.4 88.3 163.9

98 64.8 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: 54.628 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU029679.D

Acq: 26 Feb 2019 14:01

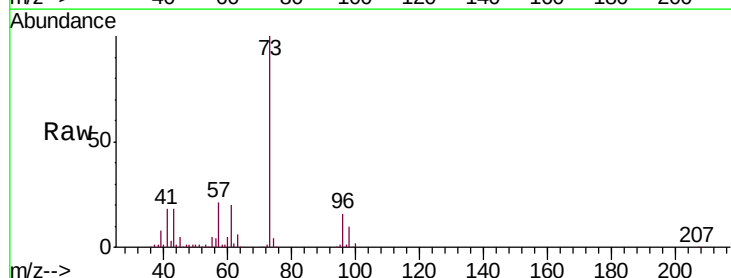
Tgt Ion: 73 Resp: 490556

Ion Ratio Lower Upper

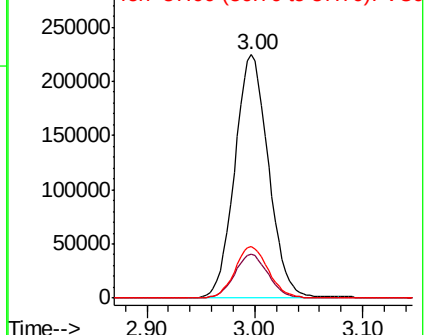
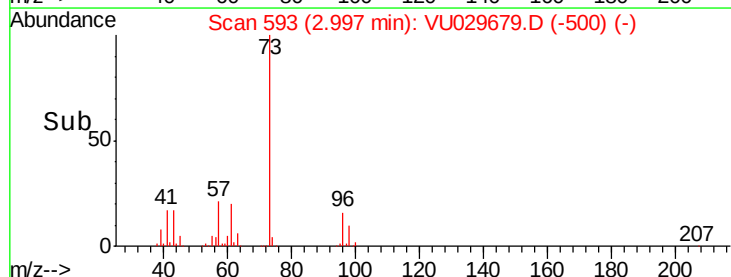
73 100

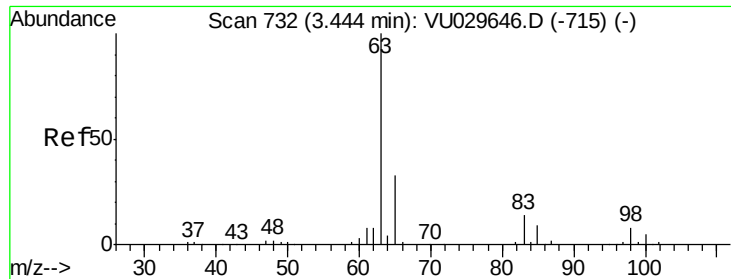
43 17.7 14.8 22.2

57 21.0 16.5 24.7



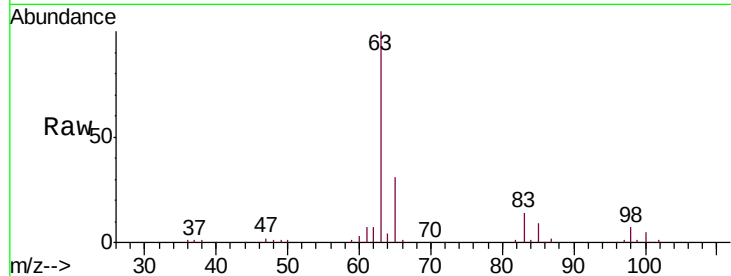
Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



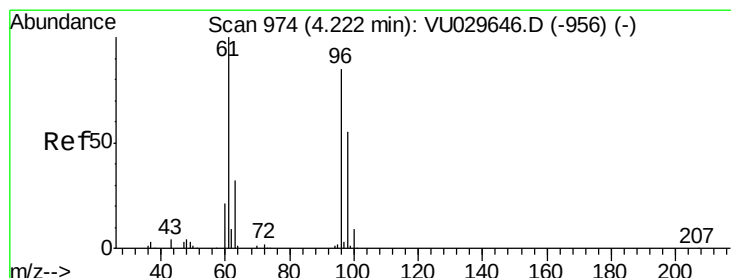
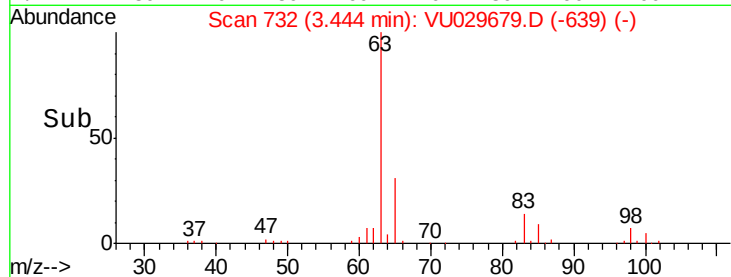
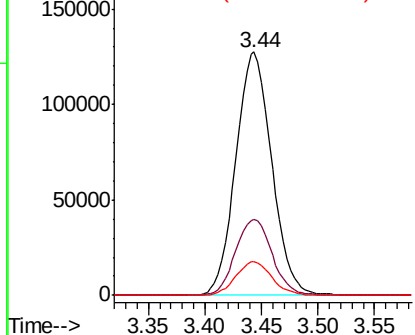


#19
 1,1-Dichloroethane
 Concen: 56.429 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU029679.D
 Acq: 26 Feb 2019 14:01

Tgt Ion:	63	Resp:	283014
Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.3	41.3
83	14.0	9.9	18.3

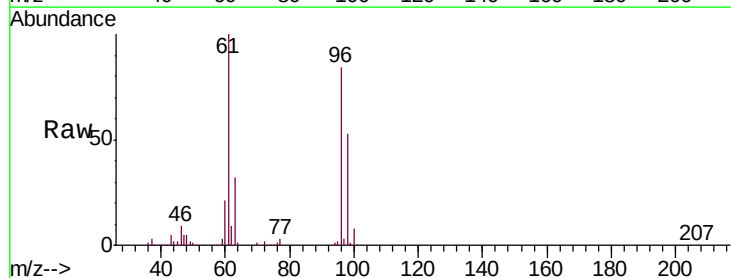


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

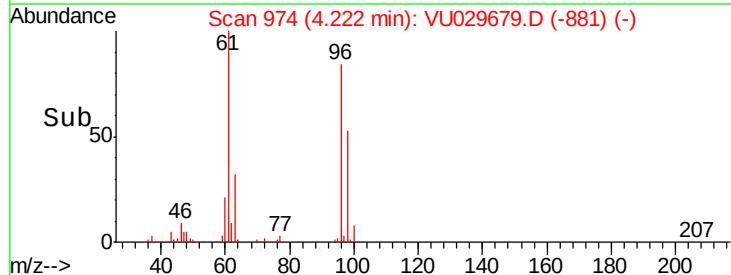
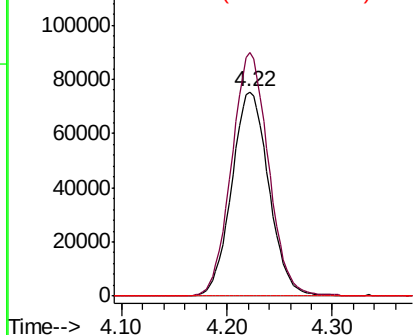


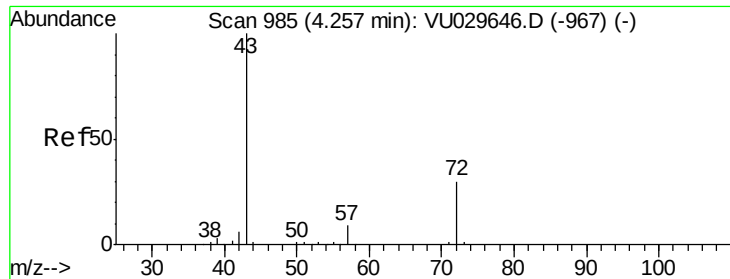
#20
 cis-1,2-Dichloroethene
 Concen: 54.682 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029679.D
 Acq: 26 Feb 2019 14:01

Tgt Ion:	96	Resp:	184293
Ion	Ratio	Lower	Upper
96	100		
61	119.0	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: 107.548 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU029679.D

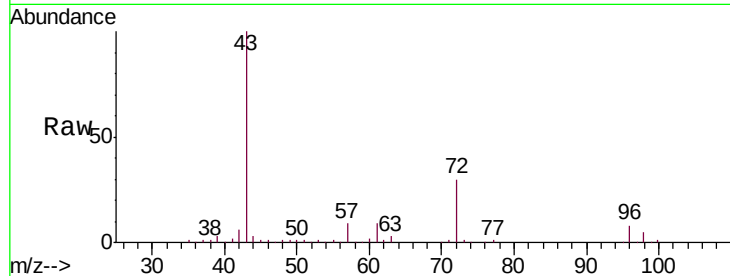
Acq: 26 Feb 2019 14:01

Tgt Ion: 43 Resp: 277542

Ion Ratio Lower Upper

43 100

72 30.6 15.2 45.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

120000

100000

80000

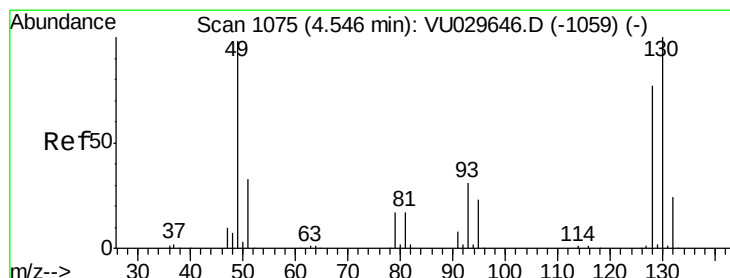
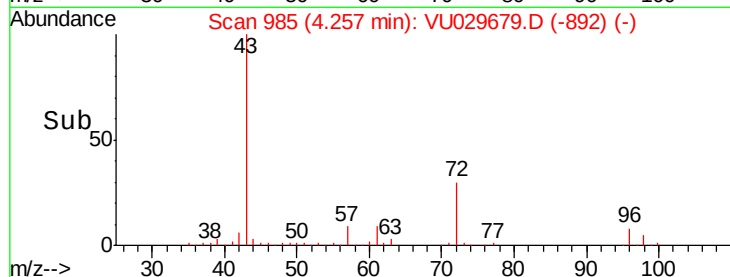
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 53.044 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU029679.D

Acq: 26 Feb 2019 14:01

Tgt Ion: 128 Resp: 98003

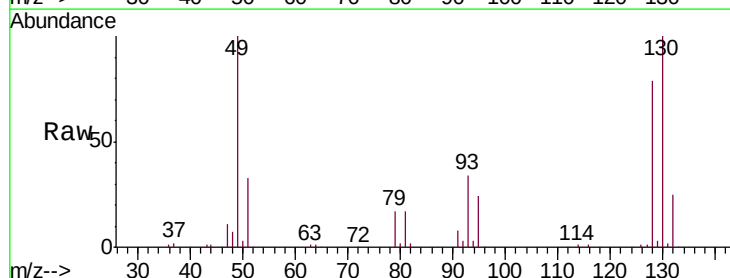
Ion Ratio Lower Upper

128 100

49 126.8 85.9 159.5

130 126.7 91.3 169.5

51 41.6 32.2 48.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0

80000

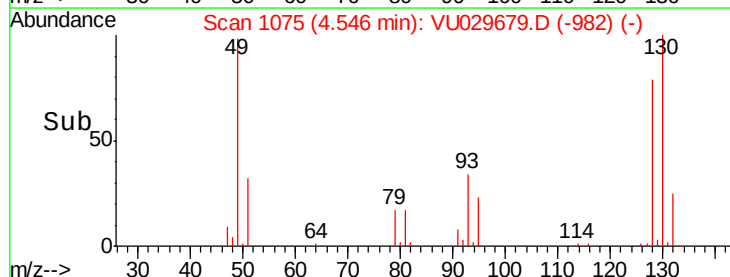
60000

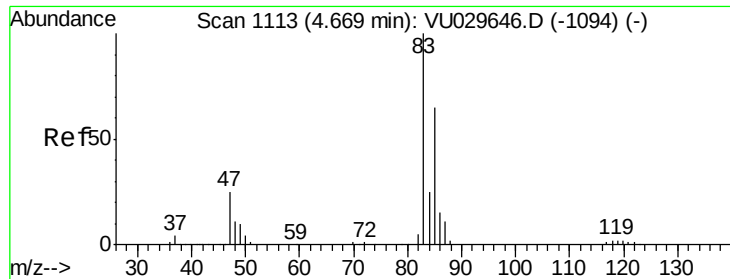
40000

20000

0

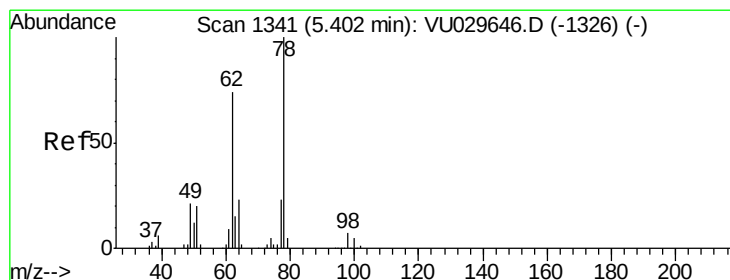
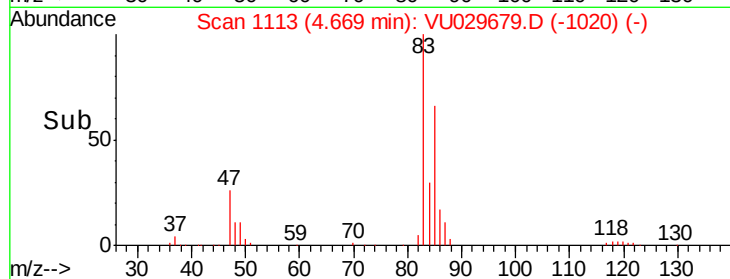
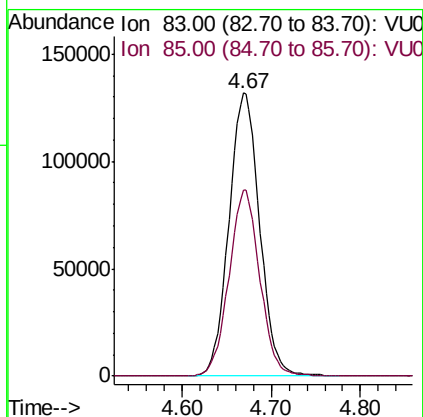
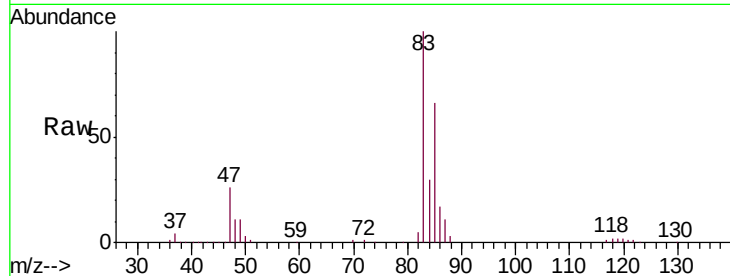
Time-->





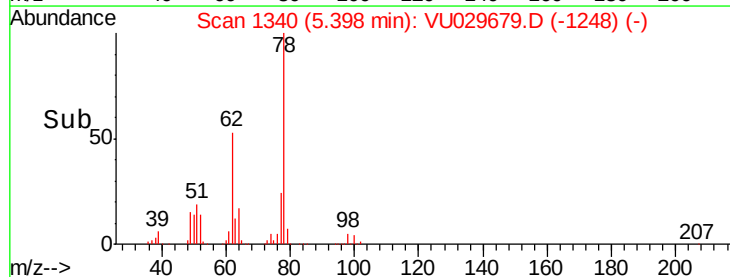
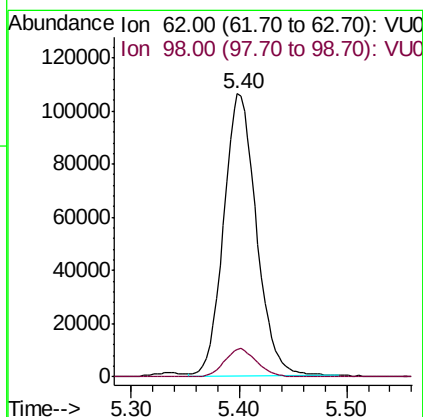
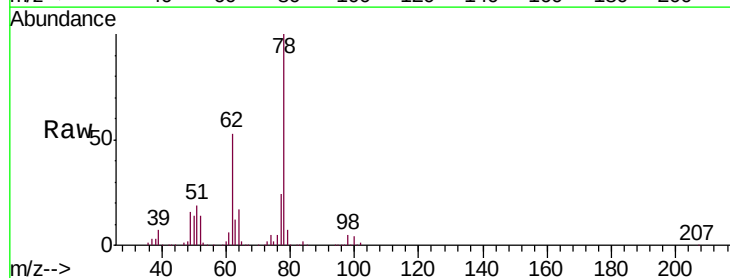
#25
Chloroform
Concen: 56.339 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU029679.D
Acq: 26 Feb 2019 14:01

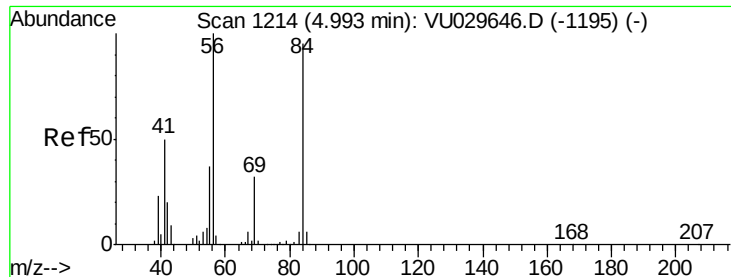
Tgt Ion: 83 Resp: 315262
Ion Ratio Lower Upper
83 100
85 65.7 45.4 84.2



#27
1,2-Dichloroethane
Concen: 52.279 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU029679.D
Acq: 26 Feb 2019 14:01

Tgt Ion: 62 Resp: 224919
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.8





#29

Cyclohexane

Concen: 54.326 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VU029679.D

Acq: 26 Feb 2019 14:01

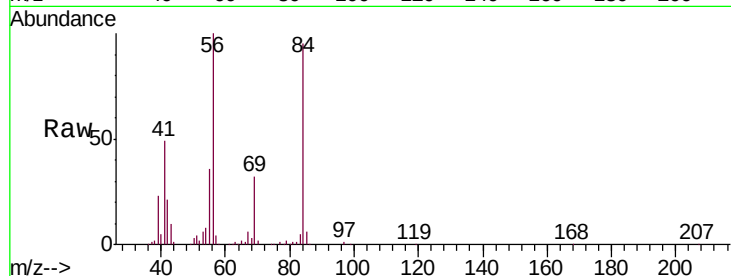
Tgt Ion: 56 Resp: 254032

Ion Ratio Lower Upper

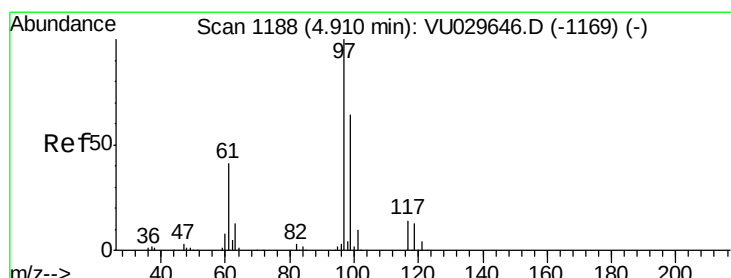
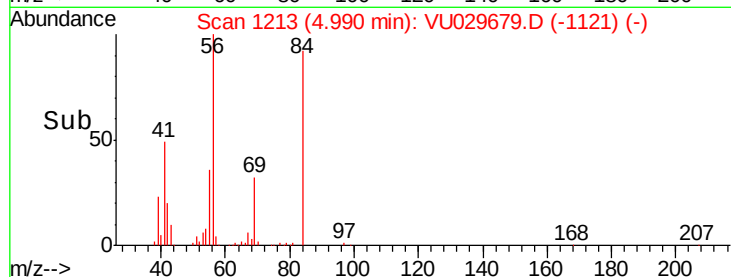
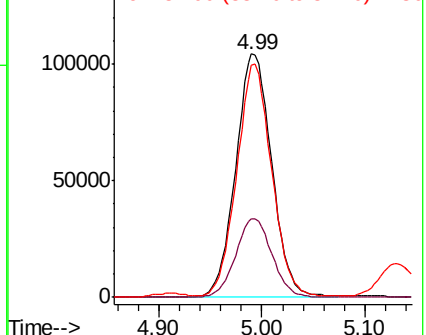
56 100

69 32.6 25.7 38.5

84 93.1 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: 51.805 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029679.D

Acq: 26 Feb 2019 14:01

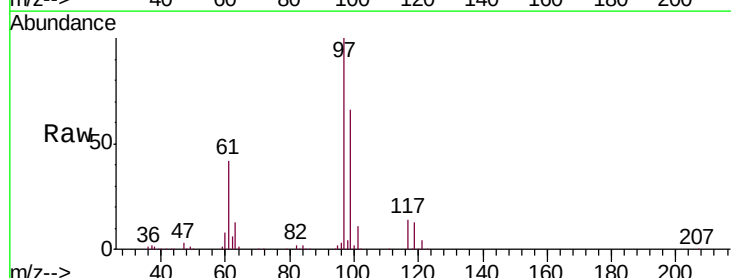
Tgt Ion: 97 Resp: 259549

Ion Ratio Lower Upper

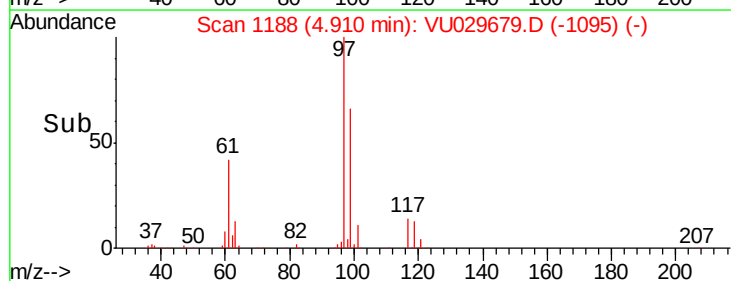
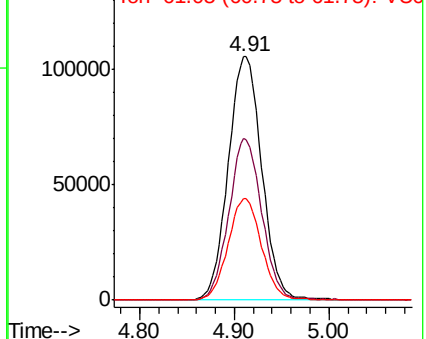
97 100

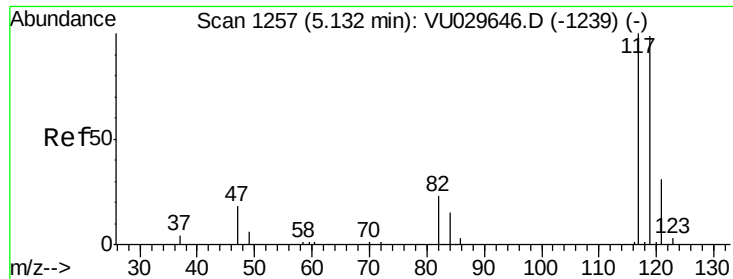
99 65.0 51.4 77.0

61 41.7 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: 50.492 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029679.D

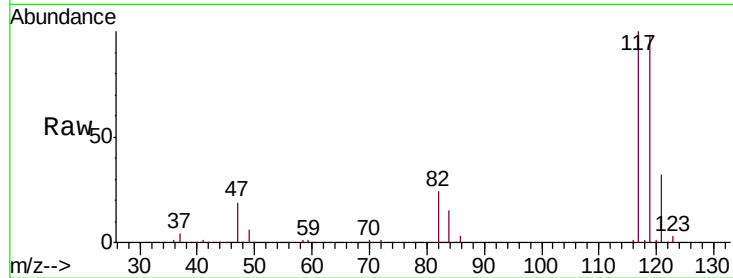
Acq: 26 Feb 2019 14:01

Tgt Ion: 117 Resp: 228964

Ion Ratio Lower Upper

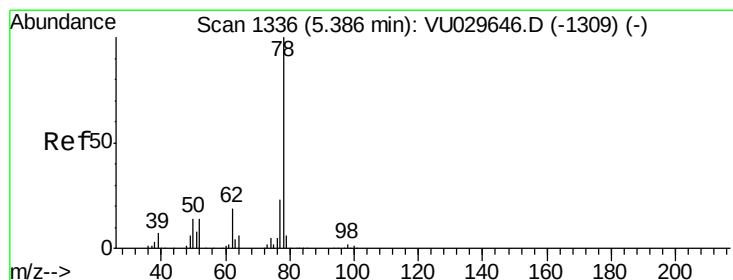
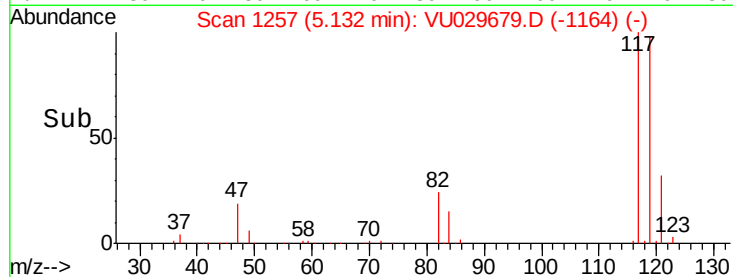
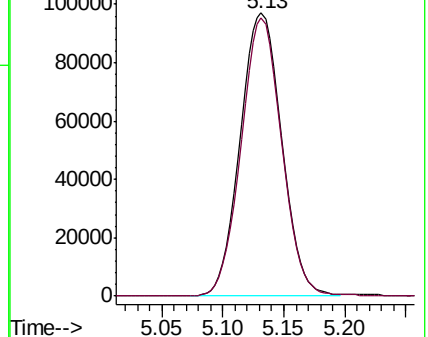
117 100

119 95.9 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: 54.770 ug/L

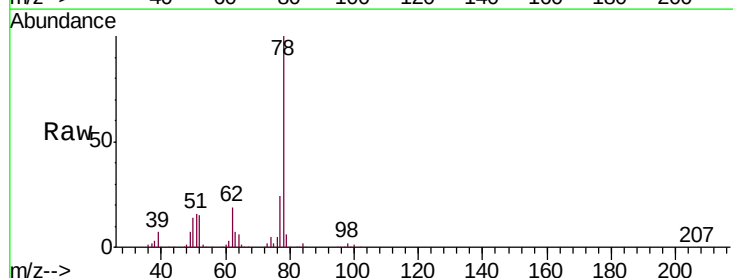
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

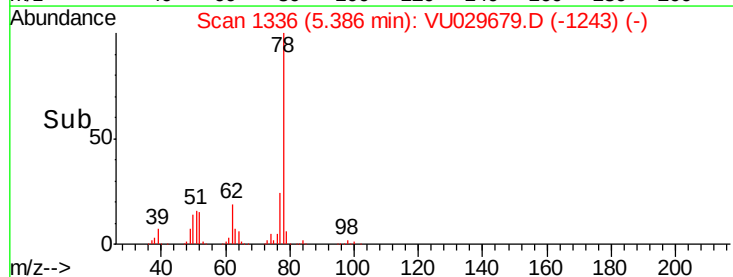
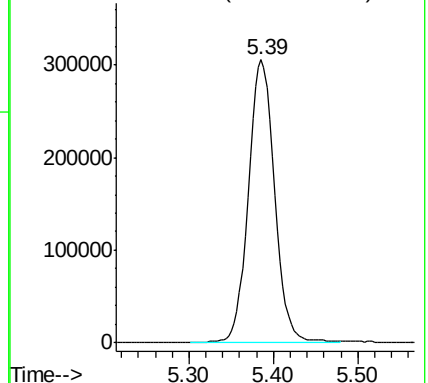
Lab File: VU029679.D

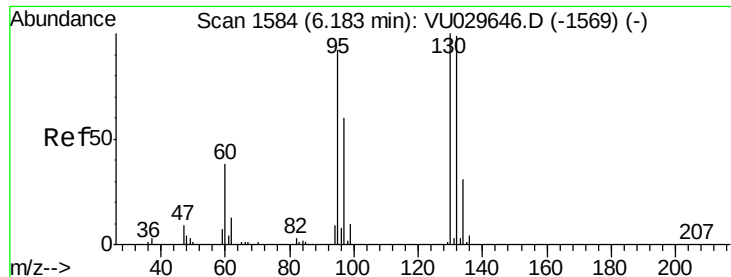
Acq: 26 Feb 2019 14:01

Tgt Ion: 78 Resp: 663511



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 54.542 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029679.D

Acq: 26 Feb 2019 14:01

Tgt Ion: 95 Resp: 178001

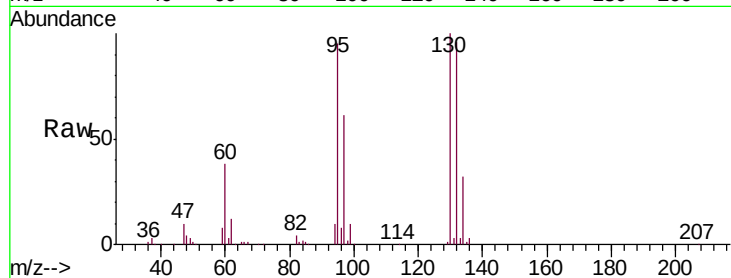
Ion Ratio Lower Upper

95 100

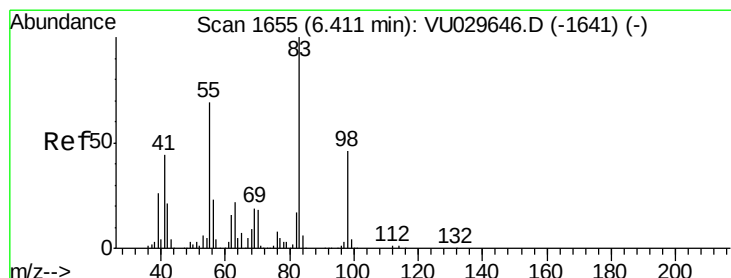
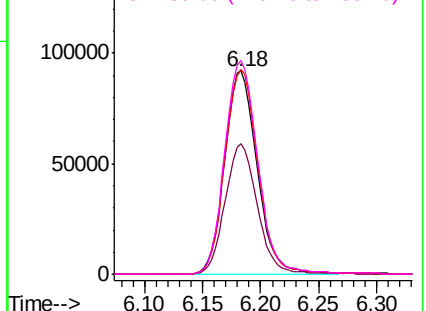
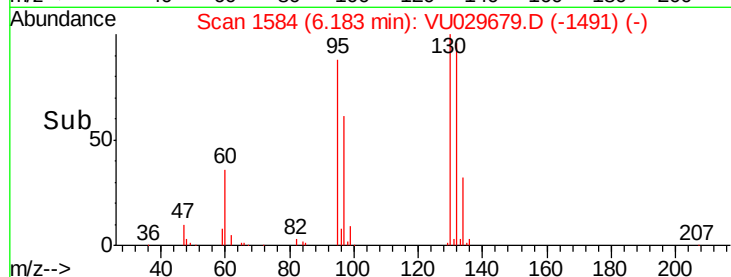
97 64.0 44.6 82.8

132 101.0 74.6 138.6

130 105.1 77.2 143.4



Abundance Ion 95.00 (94.70 to 95.70): VU029679.D (-1491) (-)



#35

Methylcyclohexane

Concen: 55.143 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029679.D

Acq: 26 Feb 2019 14:01

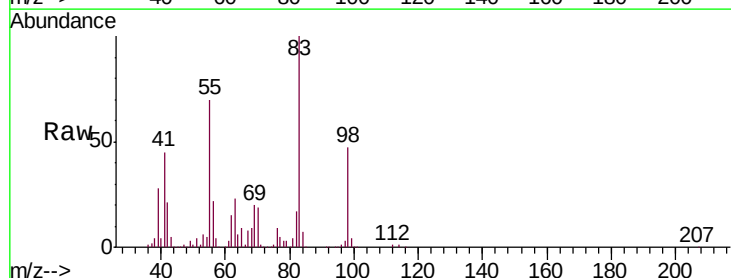
Tgt Ion: 83 Resp: 298865

Ion Ratio Lower Upper

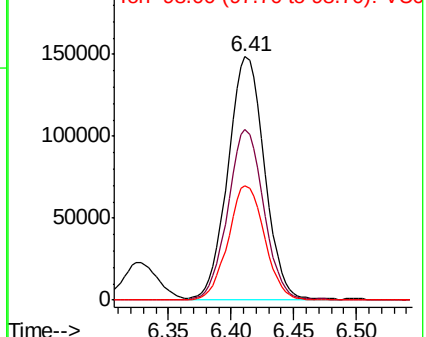
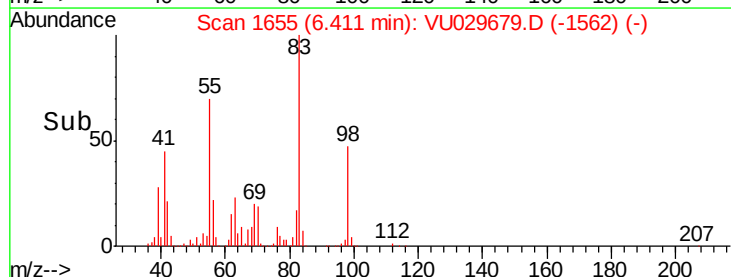
83 100

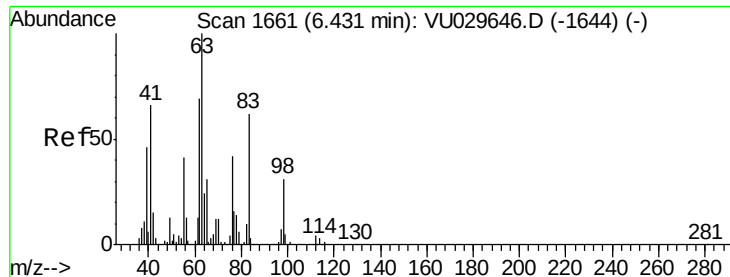
55 69.5 55.2 82.8

98 47.1 39.4 59.2



Abundance Ion 83.00 (82.70 to 83.70): VU029679.D (-1562) (-)





#37

1,2-Dichloropropane

Concen: 55.123 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU029679.D

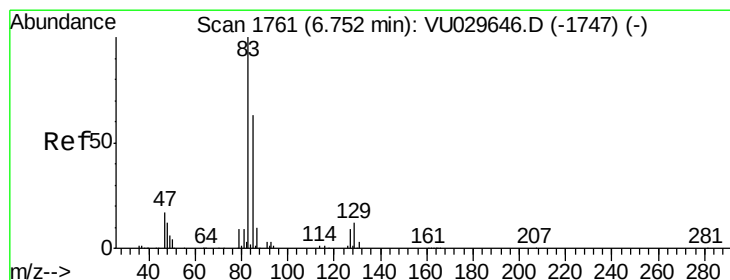
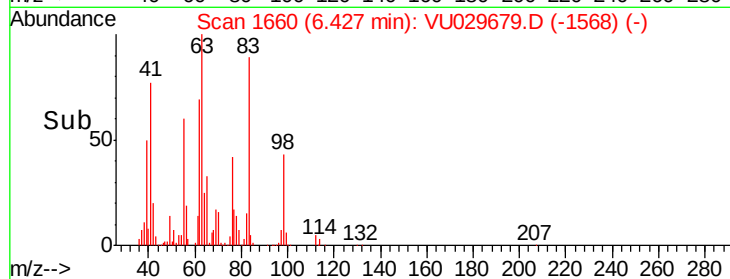
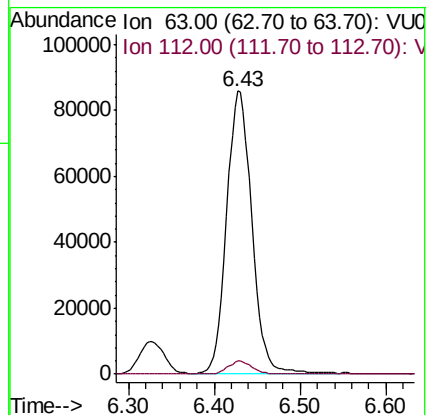
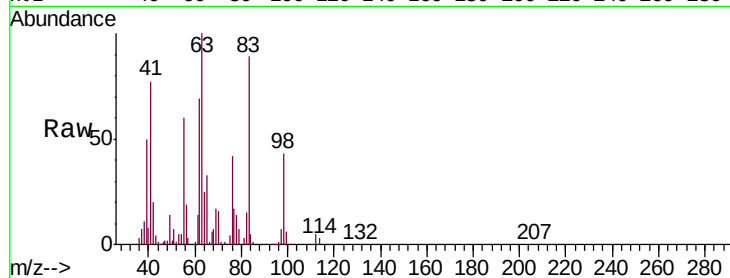
Acq: 26 Feb 2019 14:01

Tgt Ion: 63 Resp: 175300

Ion Ratio Lower Upper

63 100

112 4.4 3.6 5.4



#38

Bromodichloromethane

Concen: 52.644 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU029679.D

Acq: 26 Feb 2019 14:01

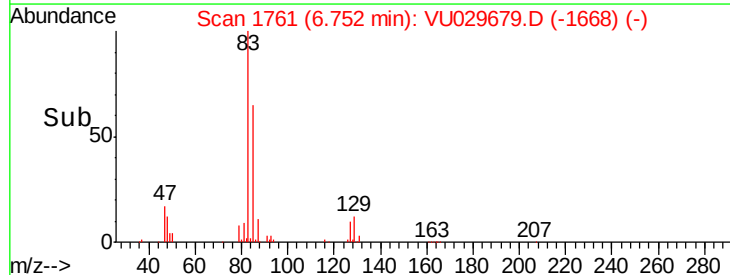
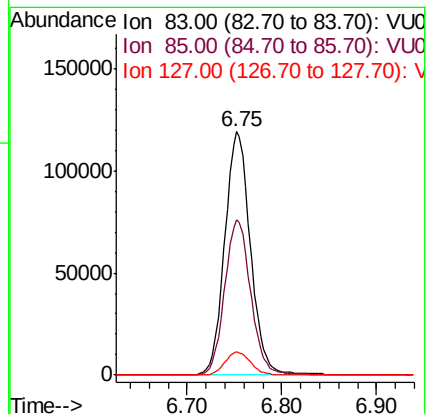
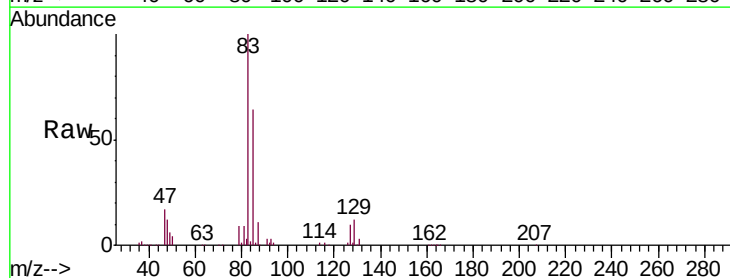
Tgt Ion: 83 Resp: 225698

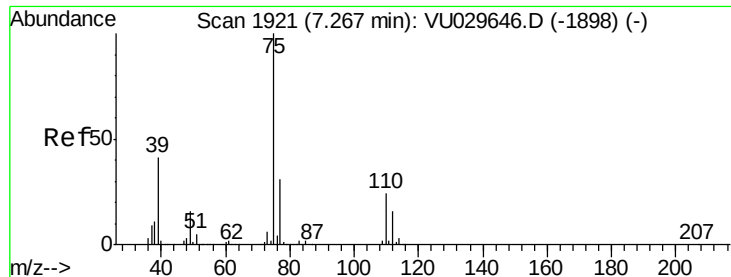
Ion Ratio Lower Upper

83 100

85 63.7 44.2 82.0

127 9.8 8.3 12.5

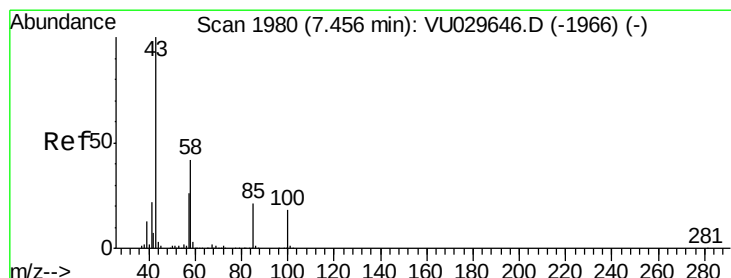
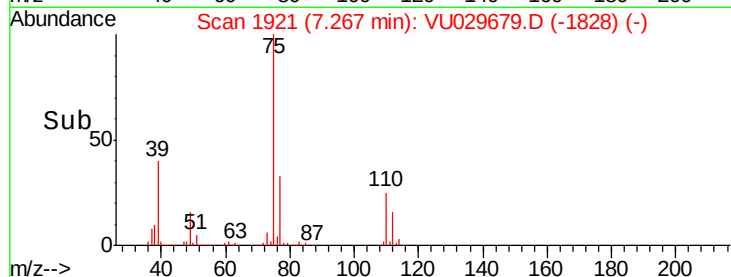
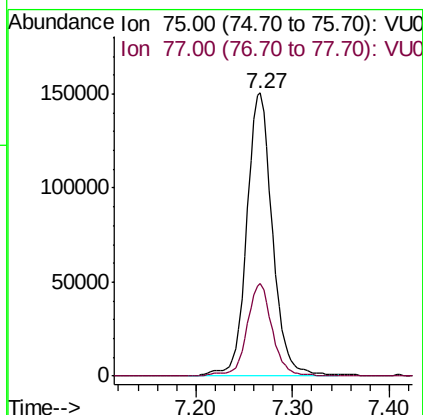
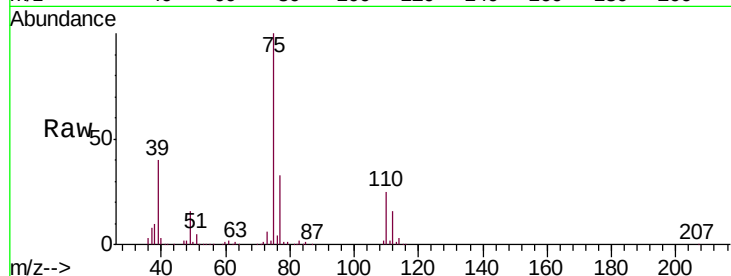




#39

cis-1,3-Dichloropropene
 Concen: 54.263 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029679.D
 Acq: 26 Feb 2019 14:01

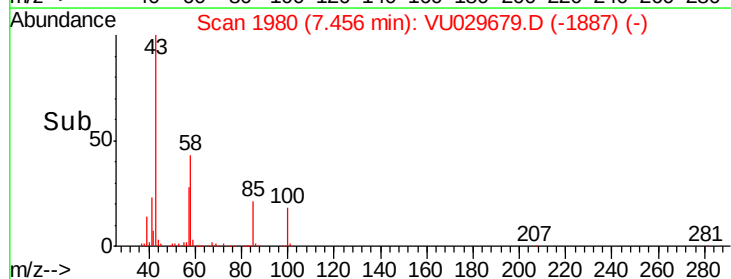
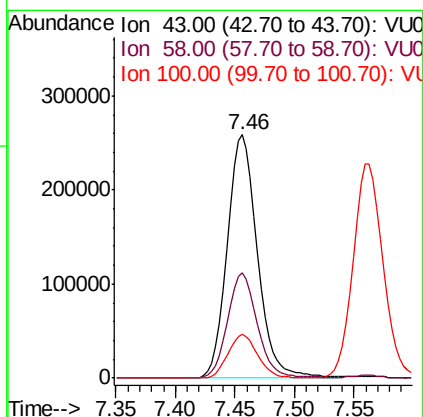
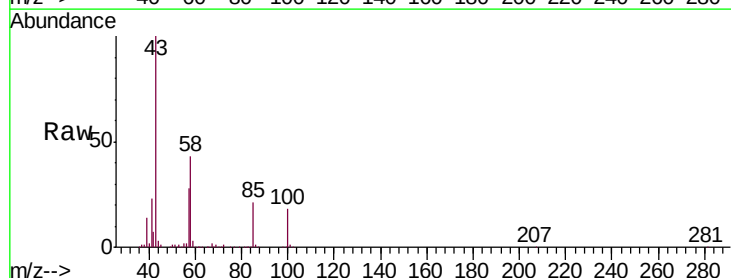
Tgt Ion: 75 Resp: 278416
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.3 41.5

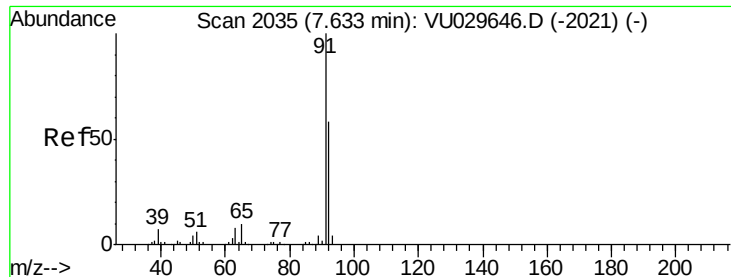


#40

4-Methyl-2-pentanone
 Concen: 101.697 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU029679.D
 Acq: 26 Feb 2019 14:01

Tgt Ion: 43 Resp: 454787
 Ion Ratio Lower Upper
 43 100
 58 42.7 33.0 49.4
 100 17.9 14.5 21.7





#42

Toluene

Concen: 52.643 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029679.D

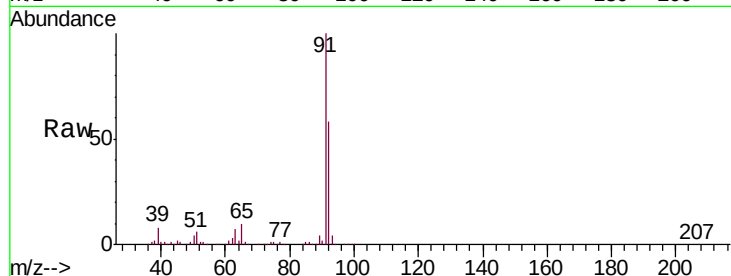
Acq: 26 Feb 2019 14:01

Tgt Ion: 91 Resp: 754199

Ion Ratio Lower Upper

91 100

92 58.0 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VU029646.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU029646.D (-2021) (-)

7.63

400000

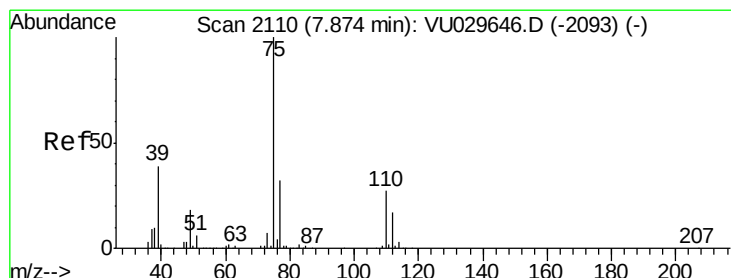
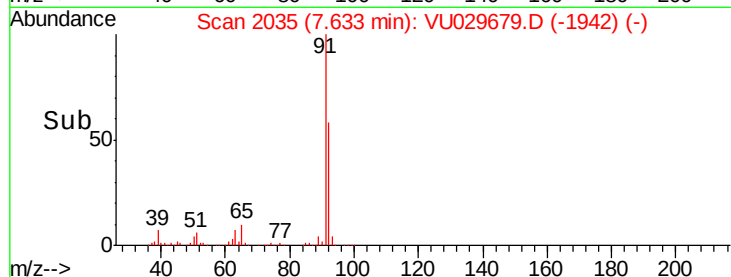
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#44

trans-1,3-Dichloropropene

Concen: 52.623 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU029679.D

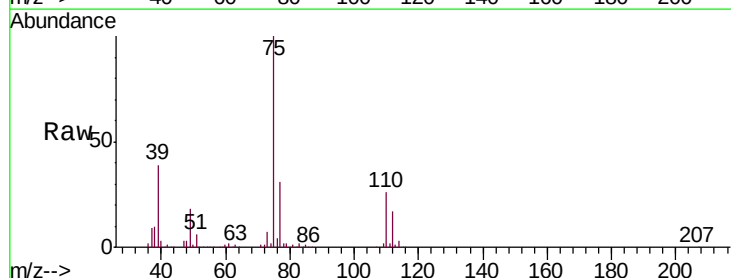
Acq: 26 Feb 2019 14:01

Tgt Ion: 75 Resp: 254457

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU029646.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU029646.D (-2093) (-)

7.87

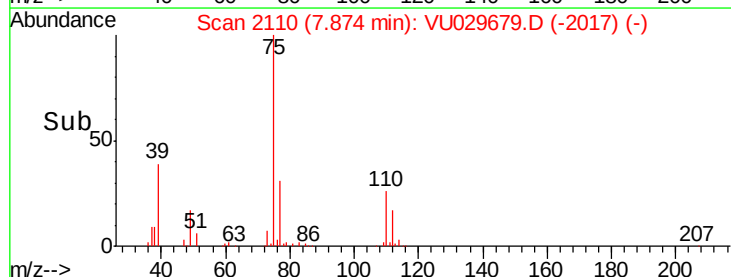
150000

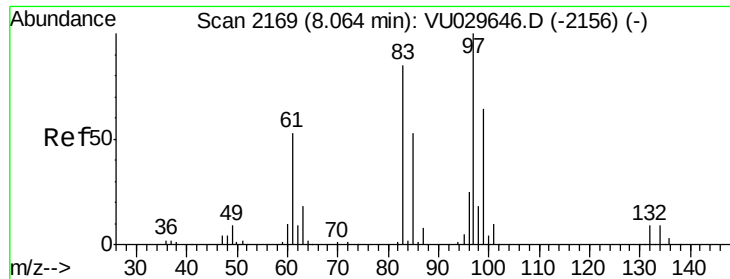
100000

50000

0

Time--> 7.80 7.90 8.00





#45

1,1,2-Trichloroethane

Concen: 52.617 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. 0.00 min

Lab File: VU029679.D

Acq: 26 Feb 2019 14:01

Tgt Ion: 97 Resp: 178354

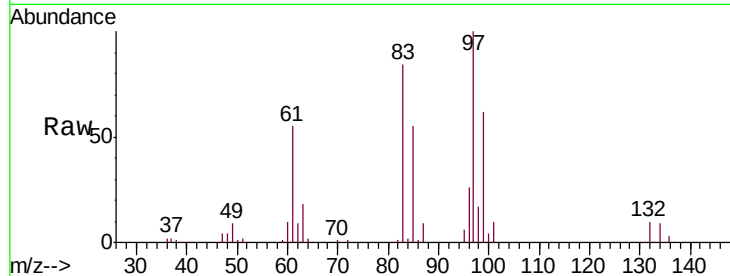
Ion Ratio Lower Upper

97 100

99 62.4 43.8 81.3

83 84.1 57.7 107.1

85 55.1 38.5 71.5

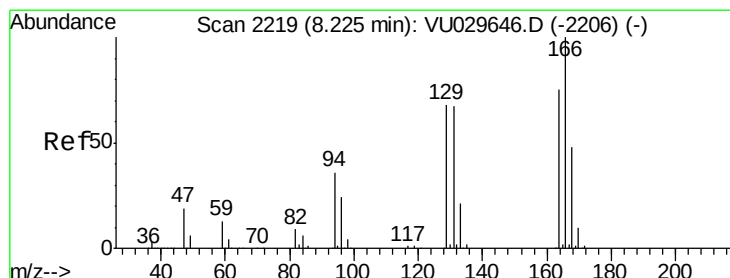
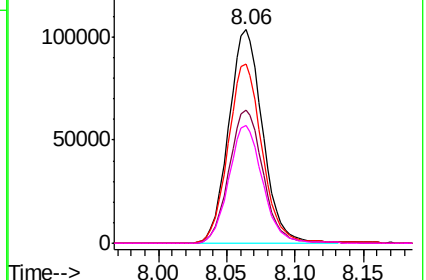
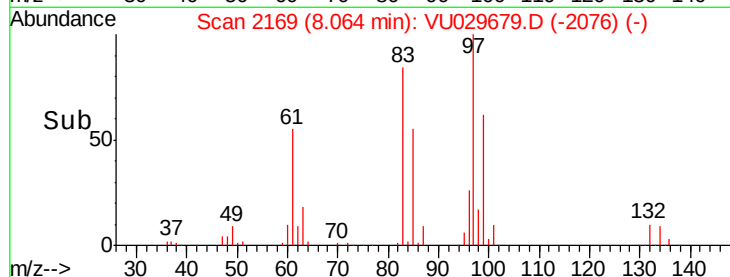


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 50.406 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029679.D

Acq: 26 Feb 2019 14:01

Tgt Ion: 164 Resp: 161011

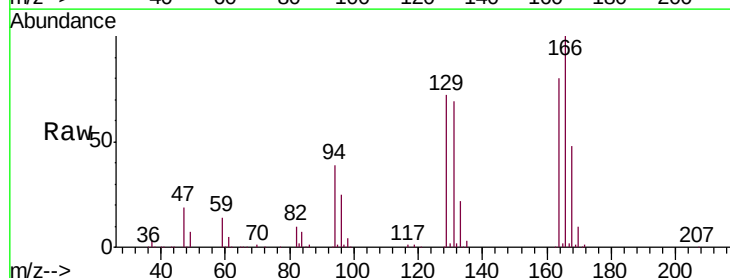
Ion Ratio Lower Upper

164 100

129 90.0 62.1 115.3

131 86.3 60.1 111.5

166 124.8 89.7 166.5

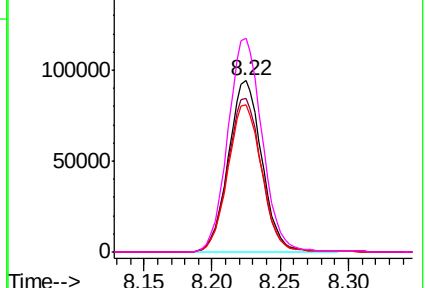
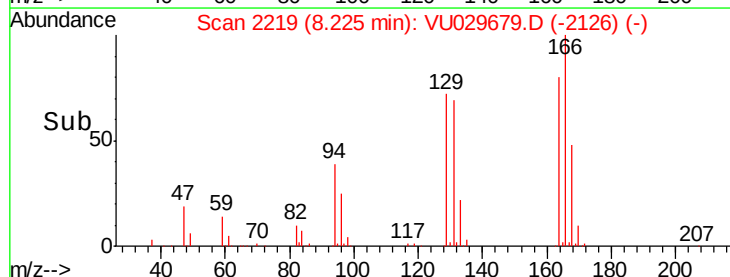


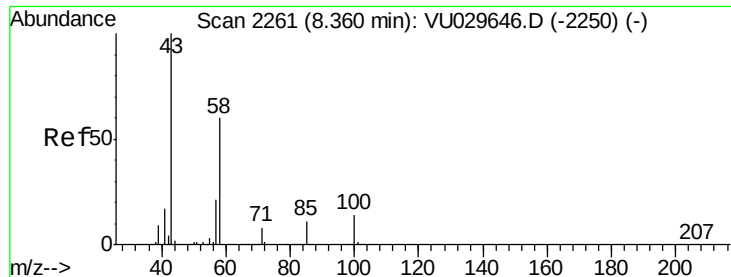
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

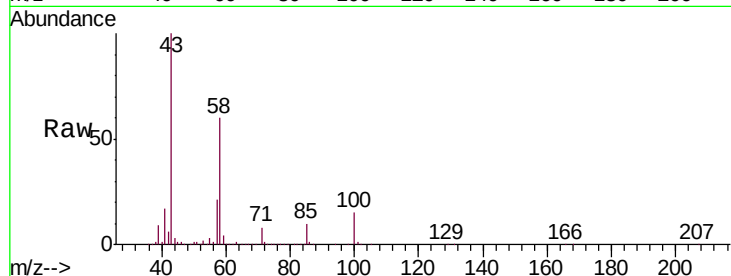
Ion 166.00 (165.70 to 166.70): V



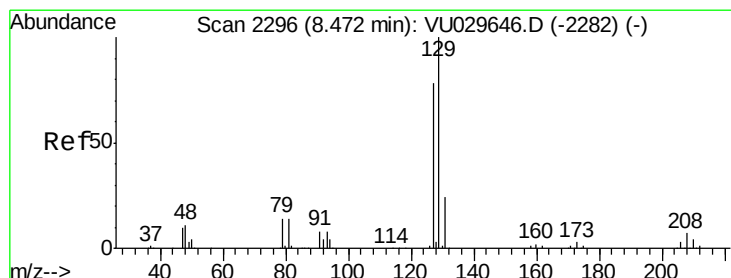
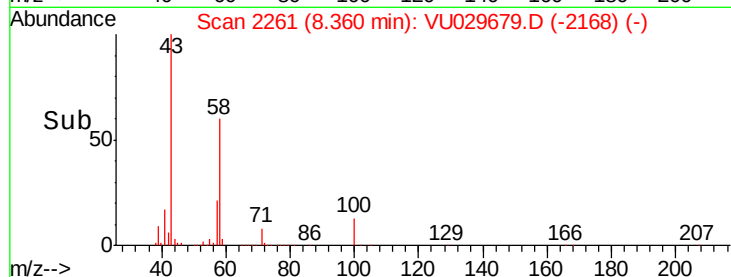
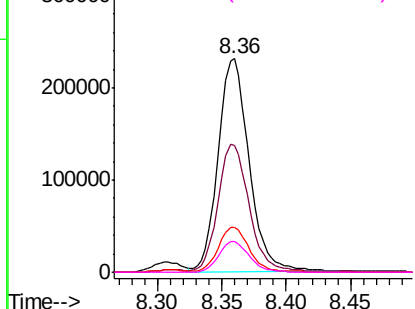


#48
2-Hexanone
Concen: 98.439 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU029679.D
Acq: 26 Feb 2019 14:01

Tgt Ion:	43	Resp:	384563
Ion	Ratio	Lower	Upper
43	100		
58	60.6	46.4	69.6
57	21.1	15.7	23.5
100	14.3	10.9	16.3

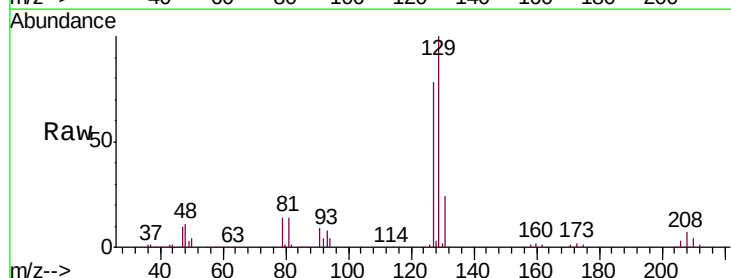


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

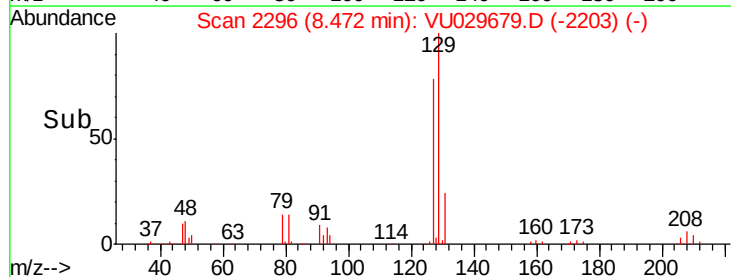
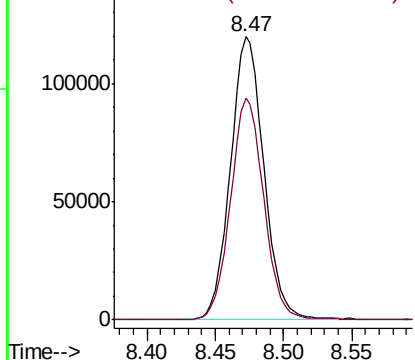


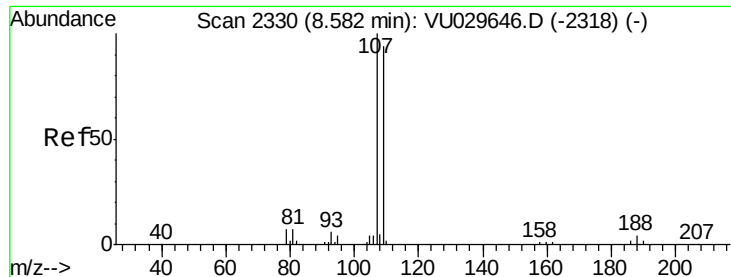
#49
Dibromochloromethane
Concen: 49.638 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029679.D
Acq: 26 Feb 2019 14:01

Tgt Ion:	129	Resp:	203975
Ion	Ratio	Lower	Upper
129	100		
127	78.3	54.4	101.0



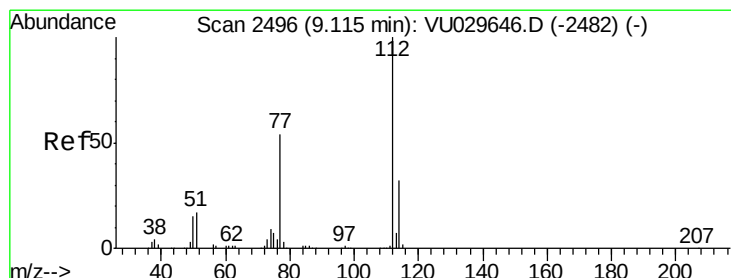
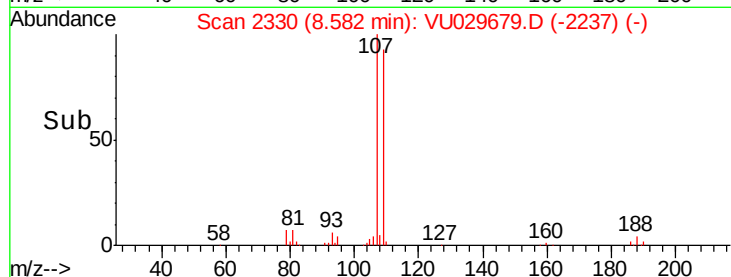
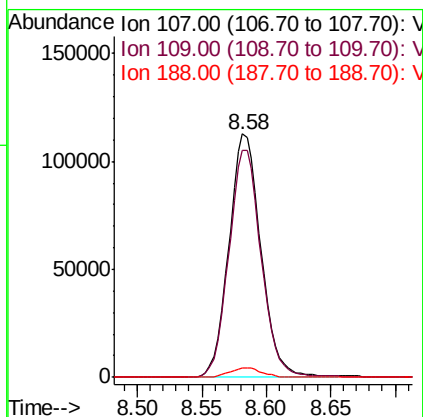
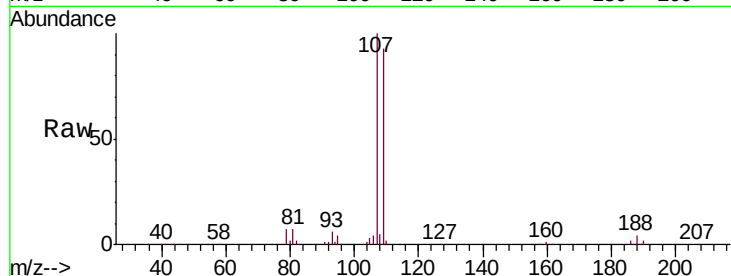
Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





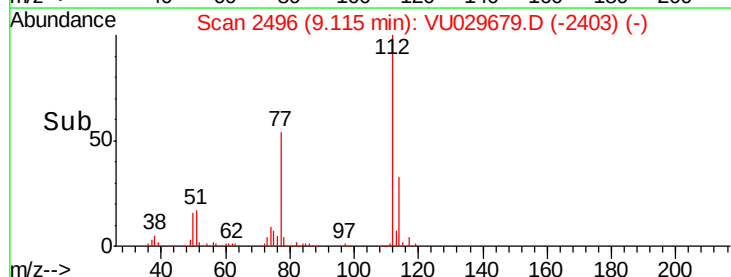
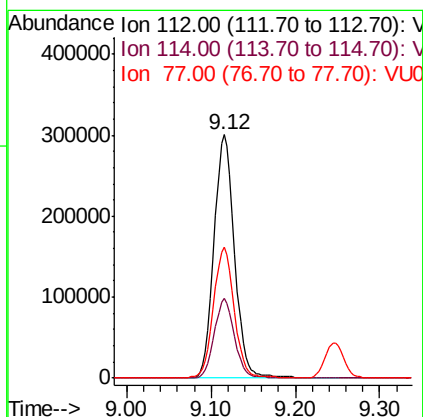
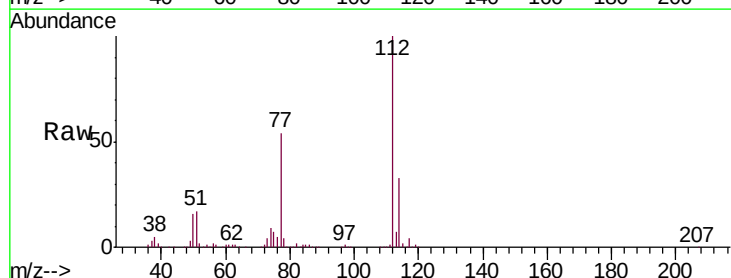
#50
1,2-Dibromoethane
Concen: 51.735 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU029679.D
Acq: 26 Feb 2019 14:01

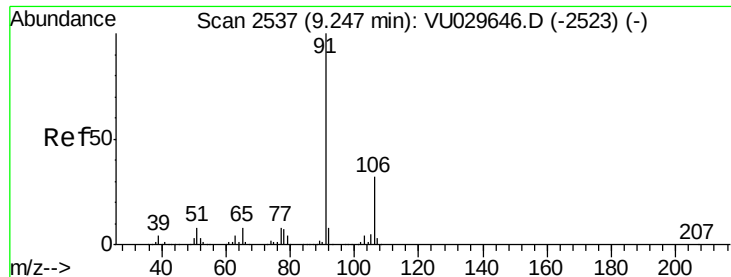
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.5	66.4	123.4
188	3.6	3.5	5.3



#51
Chlorobenzene
Concen: 51.678 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029679.D
Acq: 26 Feb 2019 14:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.7	42.1
77	53.5	42.1	63.1





#52

Ethylbenzene

Concen: 51.733 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029679.D

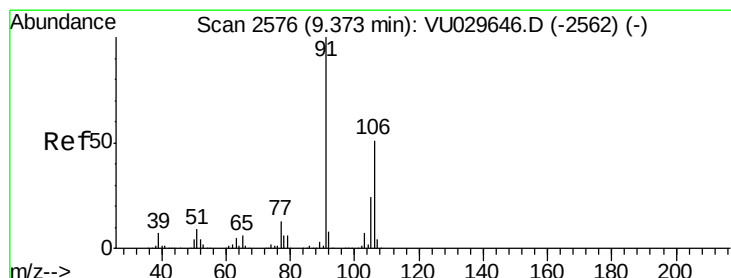
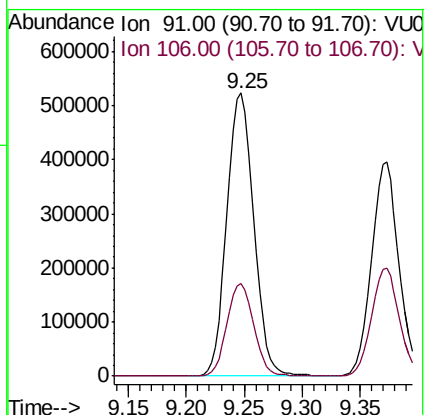
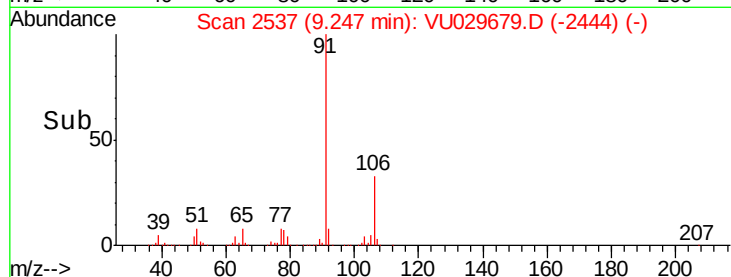
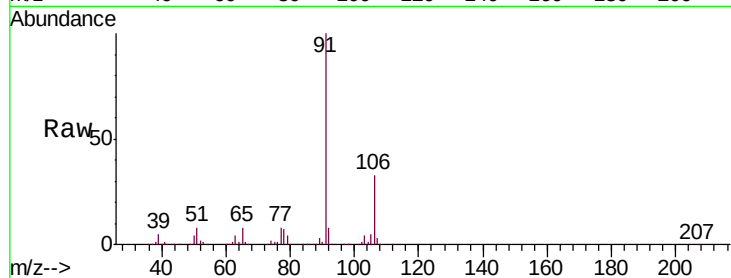
Acq: 26 Feb 2019 14:01

Tgt Ion: 91 Resp: 841760

Ion Ratio Lower Upper

91 100

106 32.6 22.7 42.1



#53

m,p-Xylene

Concen: 51.277 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029679.D

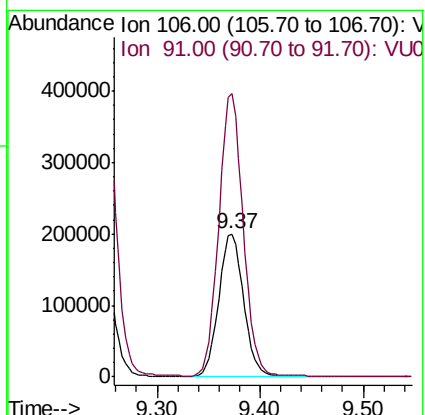
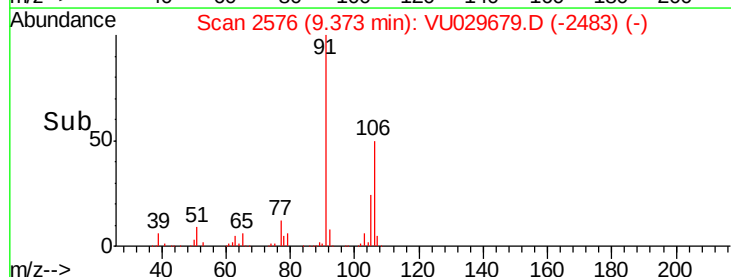
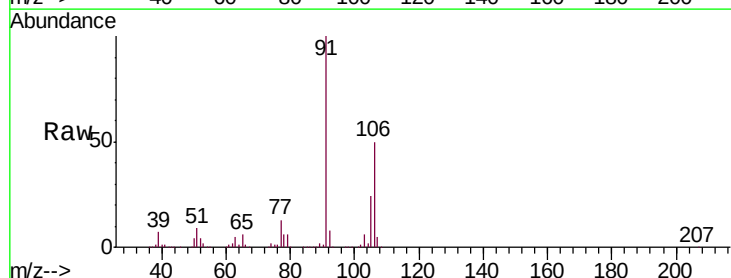
Acq: 26 Feb 2019 14:01

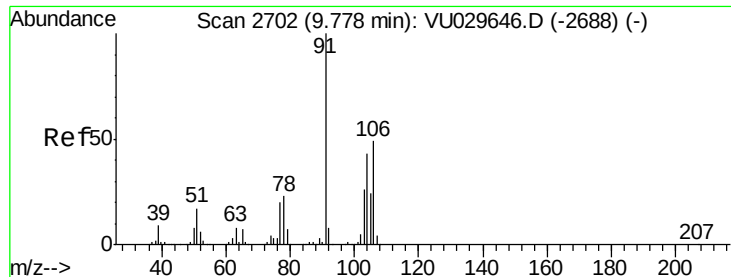
Tgt Ion: 106 Resp: 334920

Ion Ratio Lower Upper

106 100

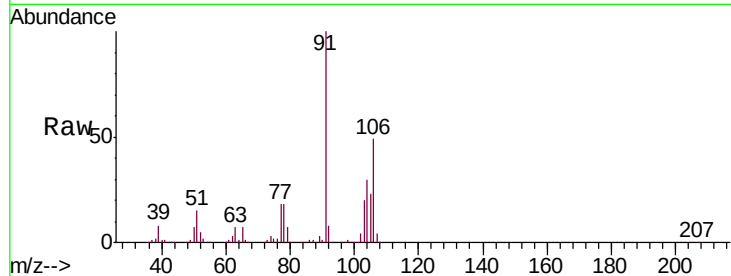
91 198.2 135.3 251.3



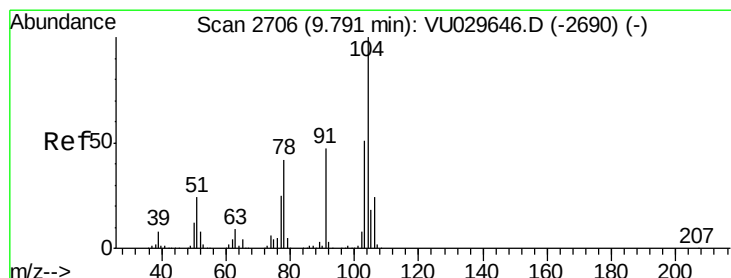
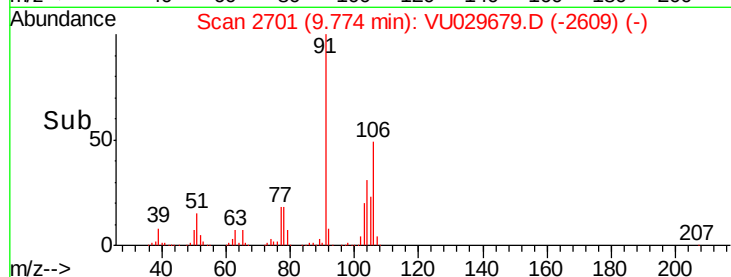
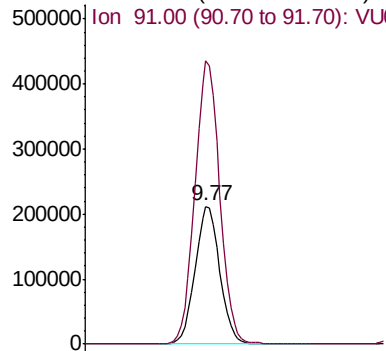


#54
o-xylene
Concen: 50.057 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU029679.D
Acq: 26 Feb 2019 14:01

Tgt Ion:106 Resp: 328413
Ion Ratio Lower Upper
106 100
91 205.3 144.5 268.3

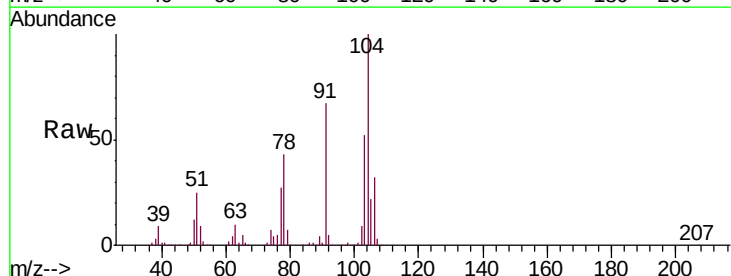


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

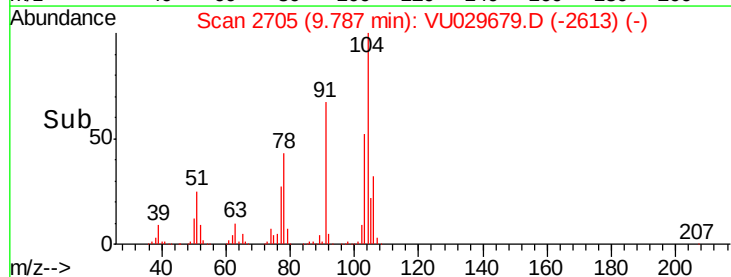
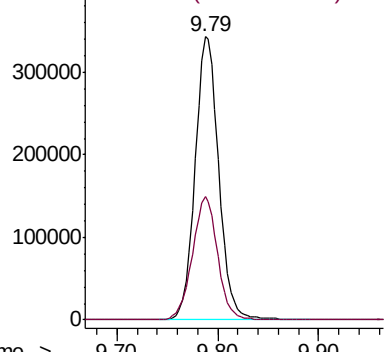


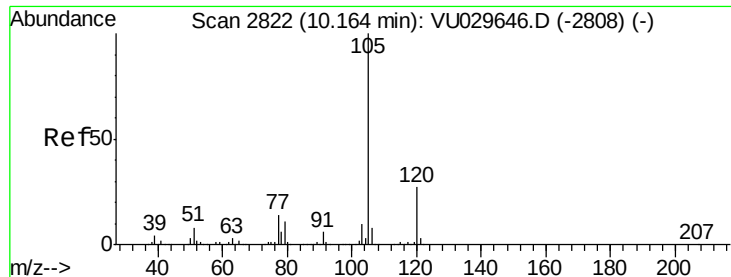
#55
Styrene
Concen: 50.931 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU029679.D
Acq: 26 Feb 2019 14:01

Tgt Ion:104 Resp: 564087
Ion Ratio Lower Upper
104 100
78 43.4 31.3 58.1



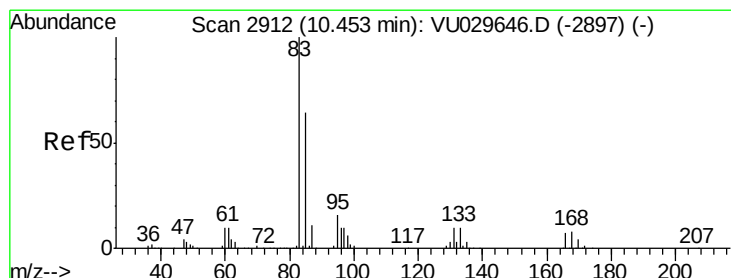
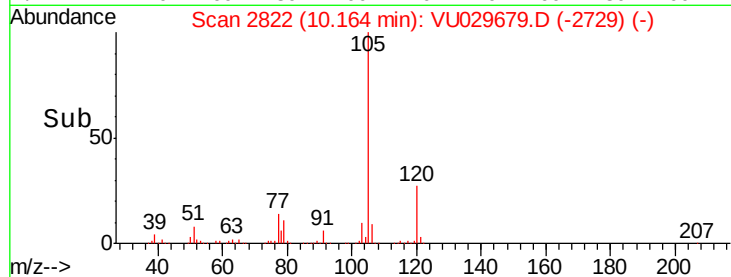
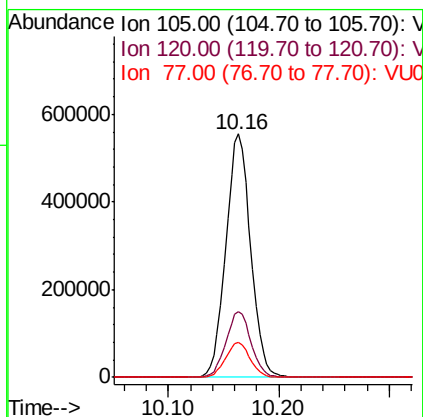
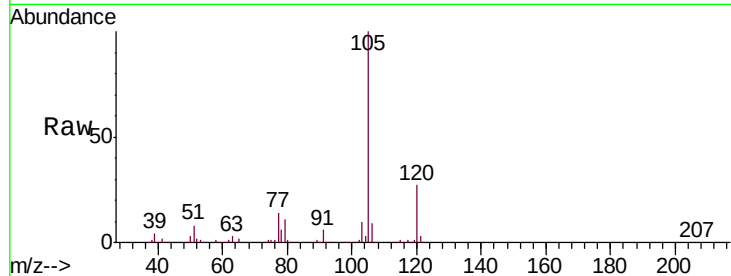
Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





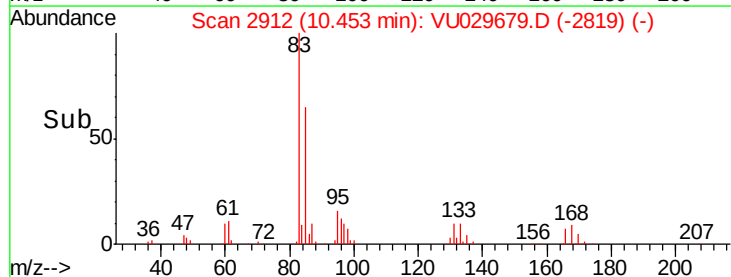
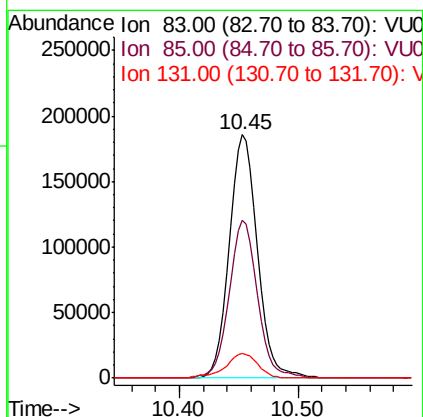
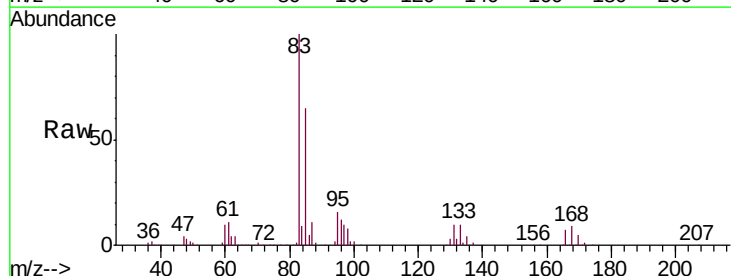
#56
Isopropylbenzene
Concen: 50.325 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU029679.D
Acq: 26 Feb 2019 14:01

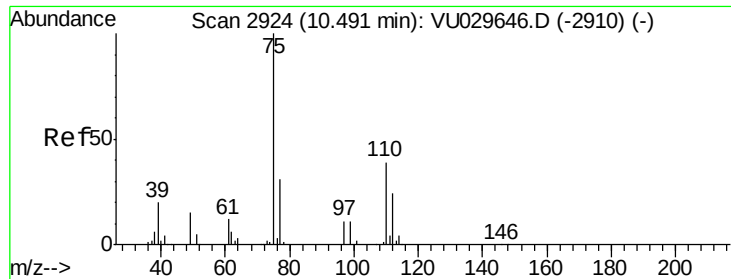
Tgt Ion:	105	Resp:	863983
Ion Ratio	Lower	Upper	
105	100		
120	27.3	21.9	32.9
77	14.4	11.7	17.5



#58
1,1,2,2-Tetrachloroethane
Concen: 50.771 ug/L
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU029679.D
Acq: 26 Feb 2019 14:01

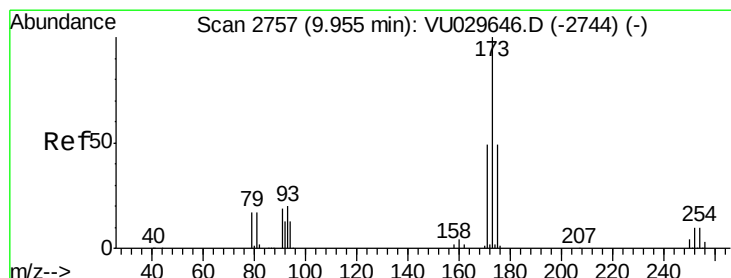
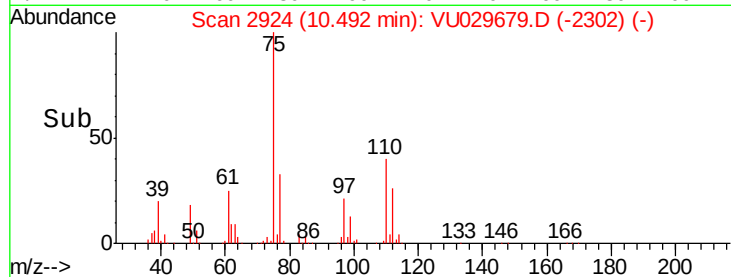
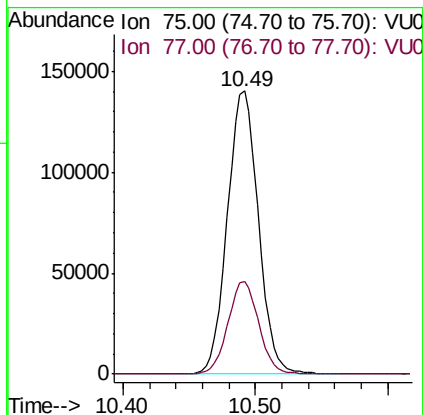
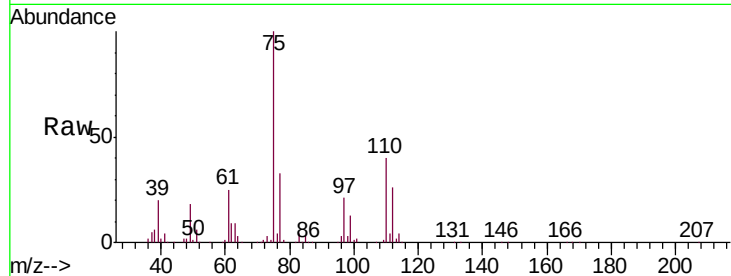
Tgt Ion:	83	Resp:	304318
Ion Ratio	Lower	Upper	
83	100		
85	65.0	45.5	84.5
131	10.0	8.6	12.8





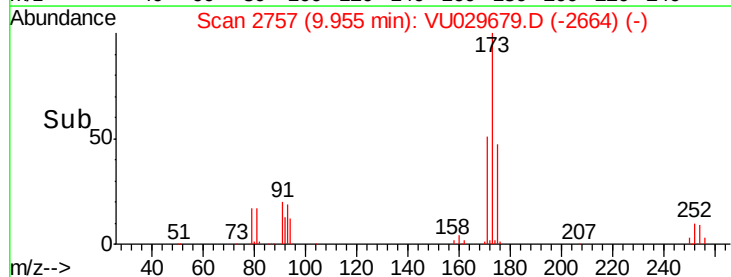
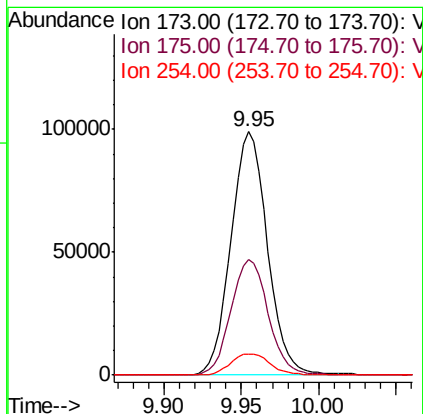
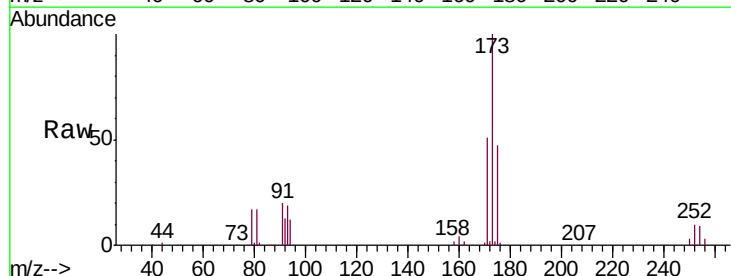
#59
 1,2,3-Trichloropropane
 Concen: 50.203 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU029679.D
 Acq: 26 Feb 2019 14:01

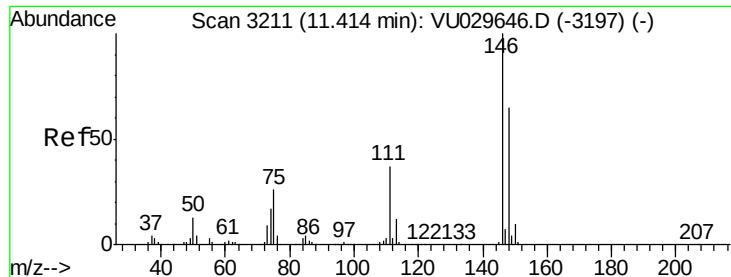
Tgt Ion: 75 Resp: 227634
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.7 38.5



#61
 Bromoform
 Concen: 47.833 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU029679.D
 Acq: 26 Feb 2019 14:01

Tgt Ion: 173 Resp: 162089
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.0 58.4
 254 9.3 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 53.008 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029679.D

Acq: 26 Feb 2019 14:01

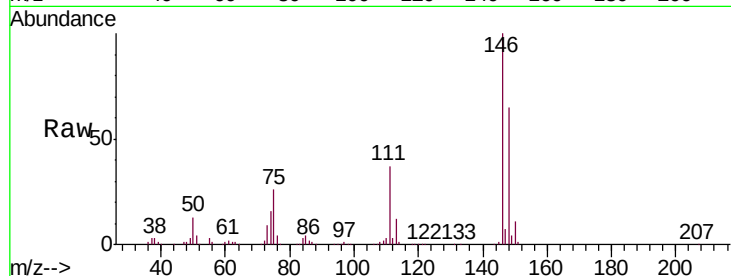
Tgt Ion:146 Resp: 425284

Ion Ratio Lower Upper

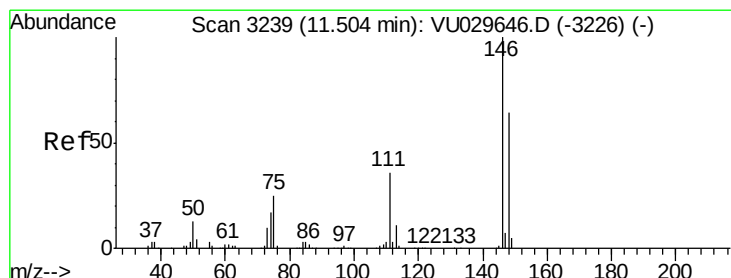
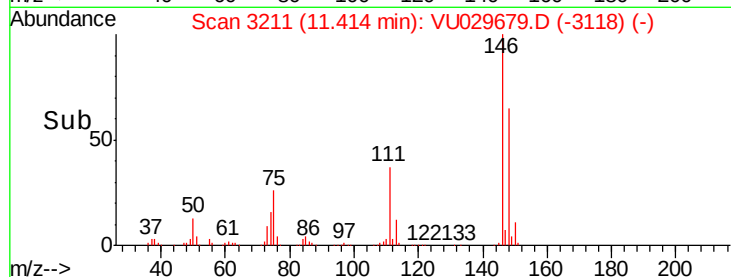
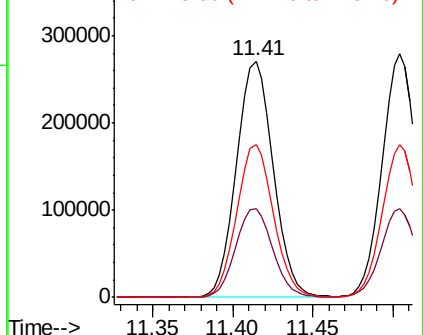
146 100

111 37.4 26.7 49.5

148 64.9 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: 53.871 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029679.D

Acq: 26 Feb 2019 14:01

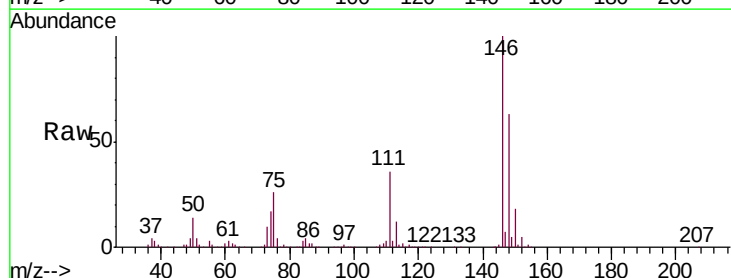
Tgt Ion:146 Resp: 434951

Ion Ratio Lower Upper

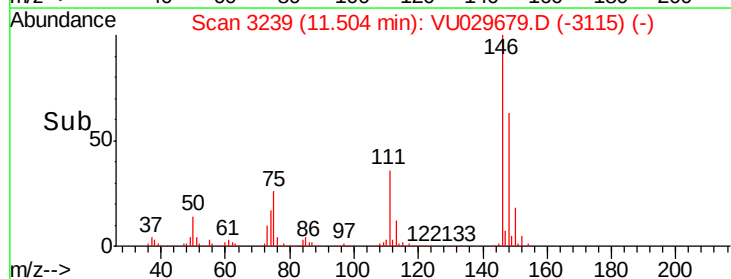
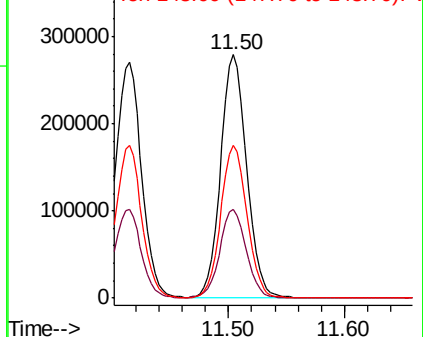
146 100

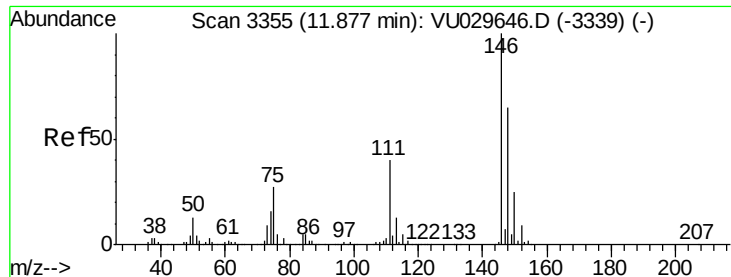
111 36.3 25.1 46.5

148 62.8 45.0 83.6



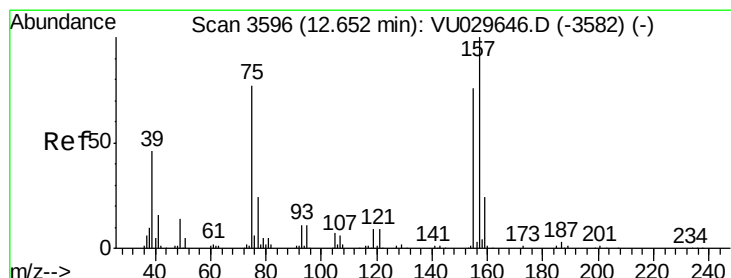
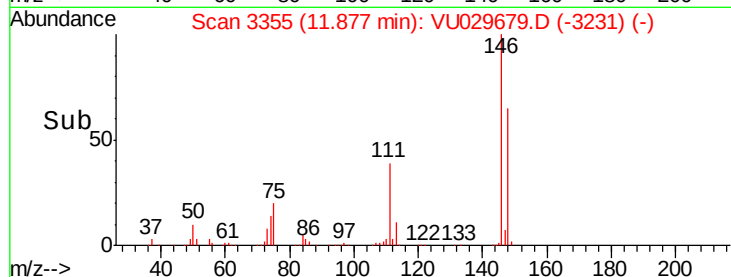
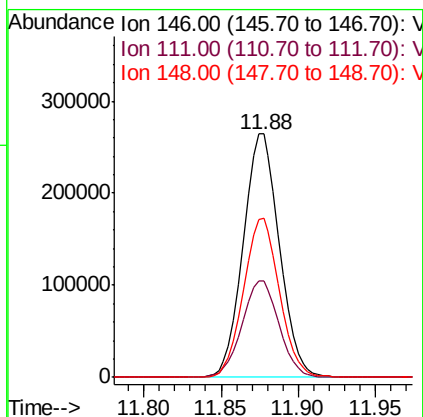
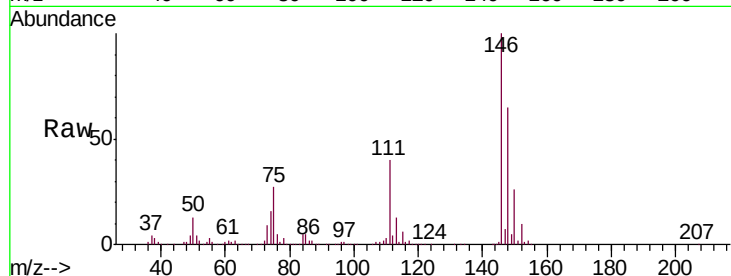
Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





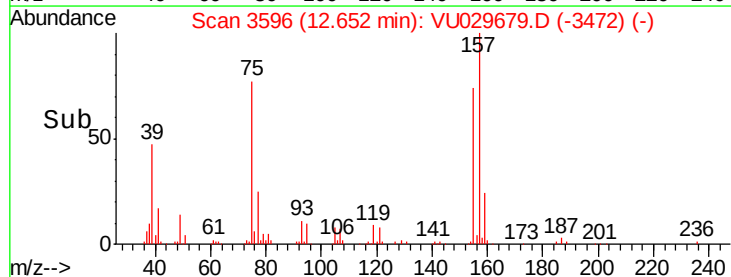
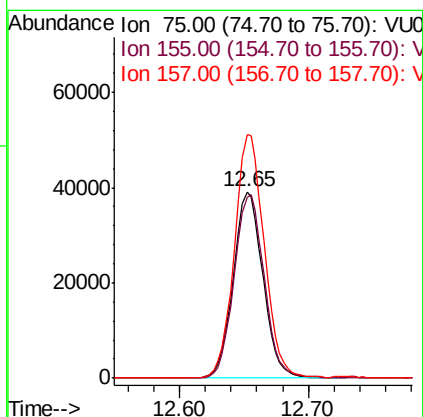
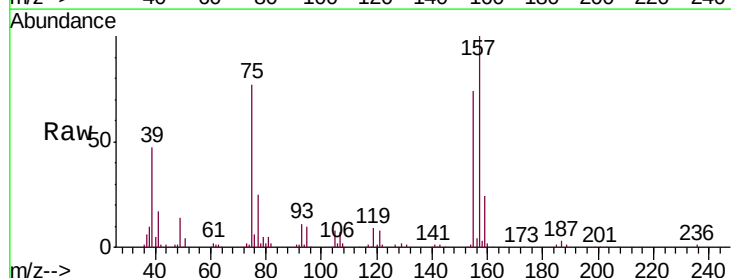
#65
 1,2-Dichlorobenzene
 Concen: 51.530 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029679.D
 Acq: 26 Feb 2019 14:01

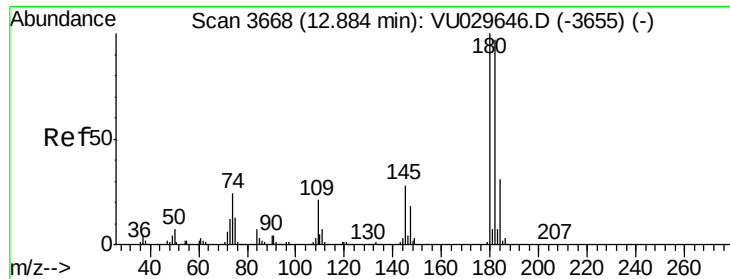
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	31.2	46.8
148	65.3	51.6	77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.130 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU029679.D
 Acq: 26 Feb 2019 14:01

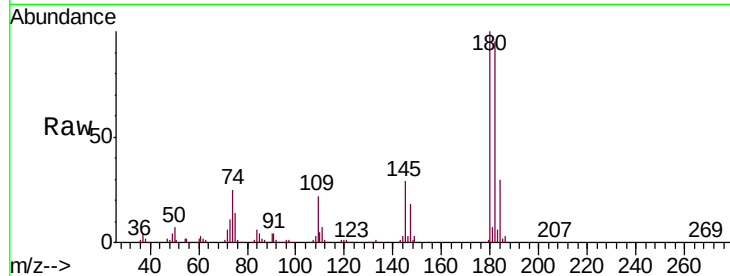
Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	79.5	119.3
157	130.5	103.4	155.0



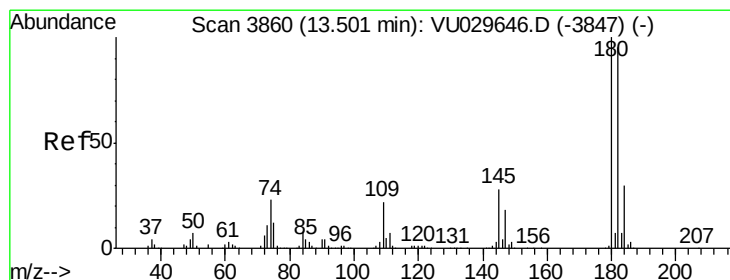
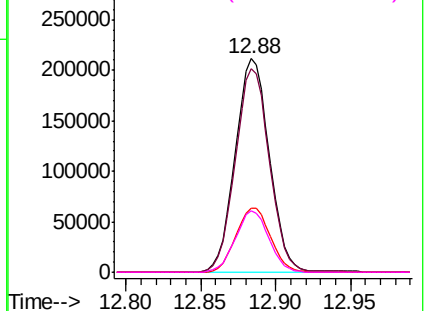
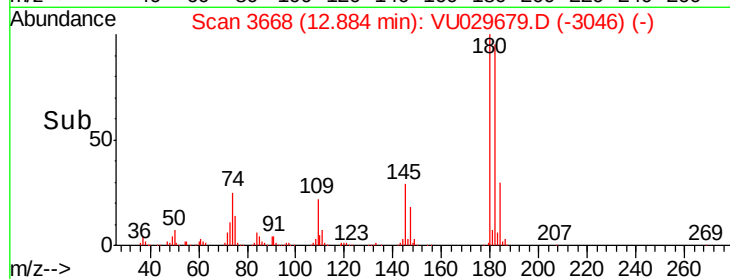


#67
 1,3,5-Trichlorobenzene
 Concen: 54.885 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029679.D
 Acq: 26 Feb 2019 14:01

Tgt Ion:	180	Resp:	336024
Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.9	116.9
184	30.5	24.5	36.7
145	28.4	22.4	33.6

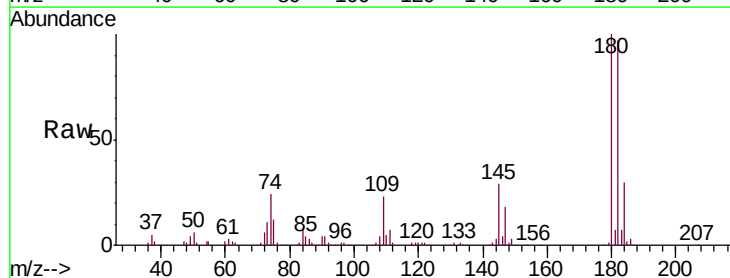


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

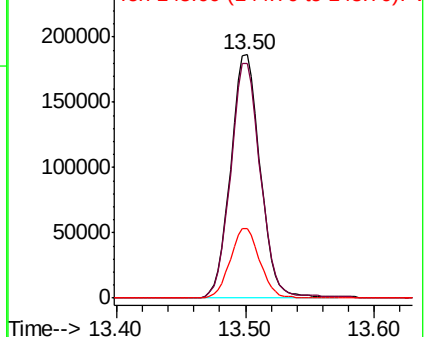
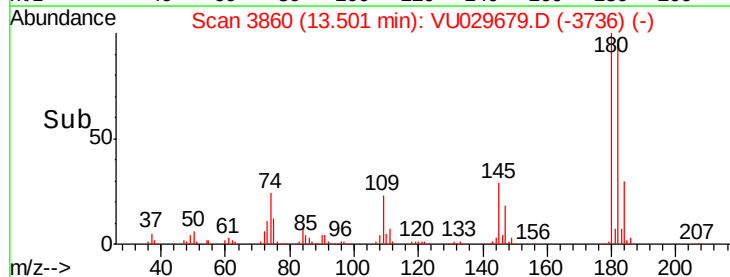


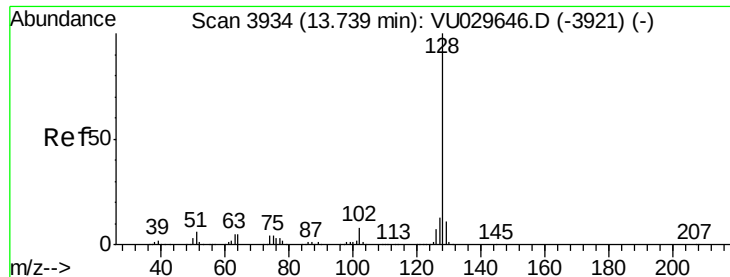
#68
 1,2,4-trichlorobenzene
 Concen: 56.261 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029679.D
 Acq: 26 Feb 2019 14:01

Tgt Ion:	180	Resp:	297919
Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.2	114.2
145	28.5	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: 55.715 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU029679.D

Acq: 26 Feb 2019 14:01

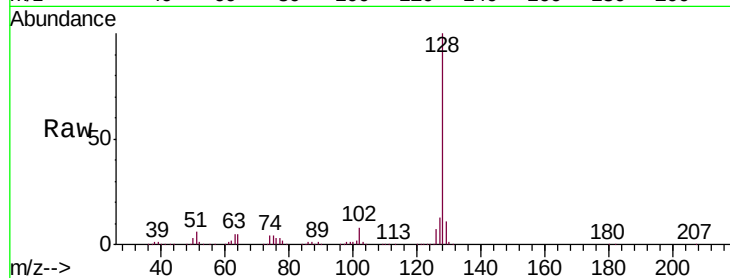
Tgt Ion:128 Resp: 906832

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

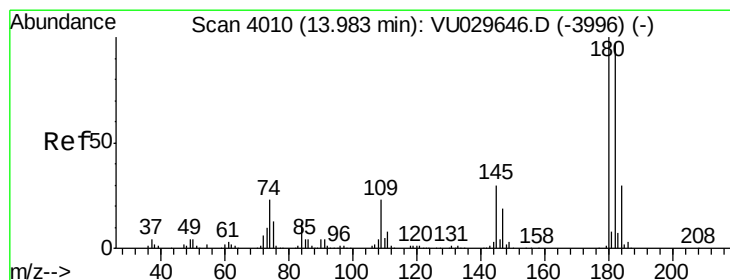
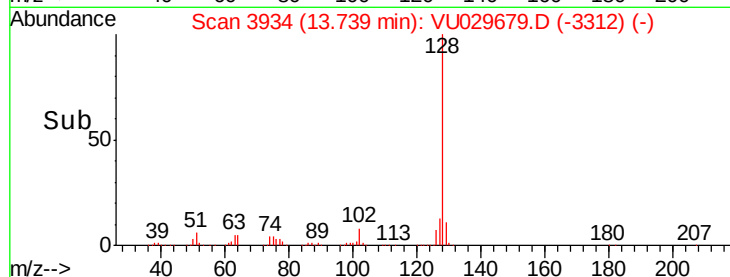
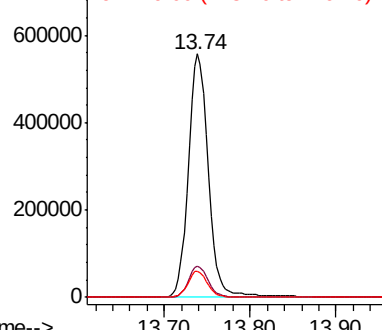
129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.916 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029679.D

Acq: 26 Feb 2019 14:01

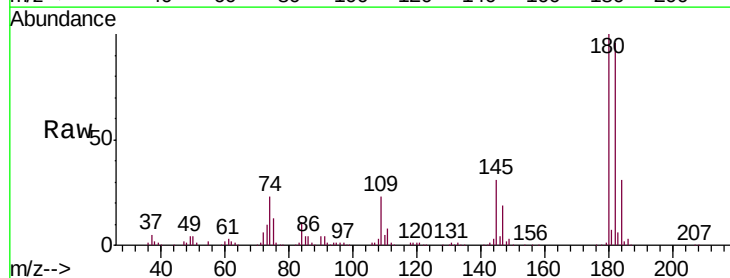
Tgt Ion:180 Resp: 308810

Ion Ratio Lower Upper

180 100

182 95.4 76.8 115.2

145 30.0 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

