

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121819\
 Data File : VU036264.D
 Acq On : 18 Dec 2019 09:49
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 19 00:45:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 18 09:02:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	254458	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	273737	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	137587	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	138985	6.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	124.00%
7) Chloroethane-d5	1.93	69	123229	6.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	122.80%
11) 1,1-Dichloroethene-d2	2.60	63	188863	5.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	116.80%
20) 2-Butanone-d5	4.68	46	197820	47.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.24%
24) Chloroform-d	5.11	84	204542	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.60%
26) 1,2-Dichloroethane-d4	5.75	65	99718	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.77	84	387107	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
36) 1,2-Dichloropropane-d6	6.73	67	114994	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	7.93	98	371810	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.80%
43) trans-1,3-Dichloropropene-	8.21	79	48639	5.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.00%
46) 2-Hexanone-d5	8.67	63	173099	50.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.50%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	101340	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	131658	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	140687	4.954 ug/L	99
3) Chloromethane	1.54	50	146855	4.121 ug/L	98
5) Vinyl chloride	1.62	62	159053	4.704 ug/L	100
6) Bromomethane	1.87	94	97598	5.777 ug/L	96
8) Chloroethane	1.95	64	96765	4.792 ug/L	100
9) Trichlorofluoromethane	2.16	101	214793	5.041 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	104853	5.136 ug/L	99
12) 1,1-Dichloroethene	2.61	96	92640	4.908 ug/L #	84
13) Acetone	2.66	43	149734	40.927 ug/L	96
14) Carbon disulfide	2.83	76	306281	4.836 ug/L	99
15) Methyl Acetate	2.99	43	37667	5.096 ug/L	96
16) Methylene chloride	3.08	84	118994	4.288 ug/L	98
17) Methyl tert-butyl Ether	3.41	73	186460	4.609 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	96376	4.875 ug/L	96
19) 1,1-Dichloroethane	3.92	63	182078	4.988 ug/L	96
21) 2-Butanone	4.76	43	223423	45.701 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	101216	4.773 ug/L	97

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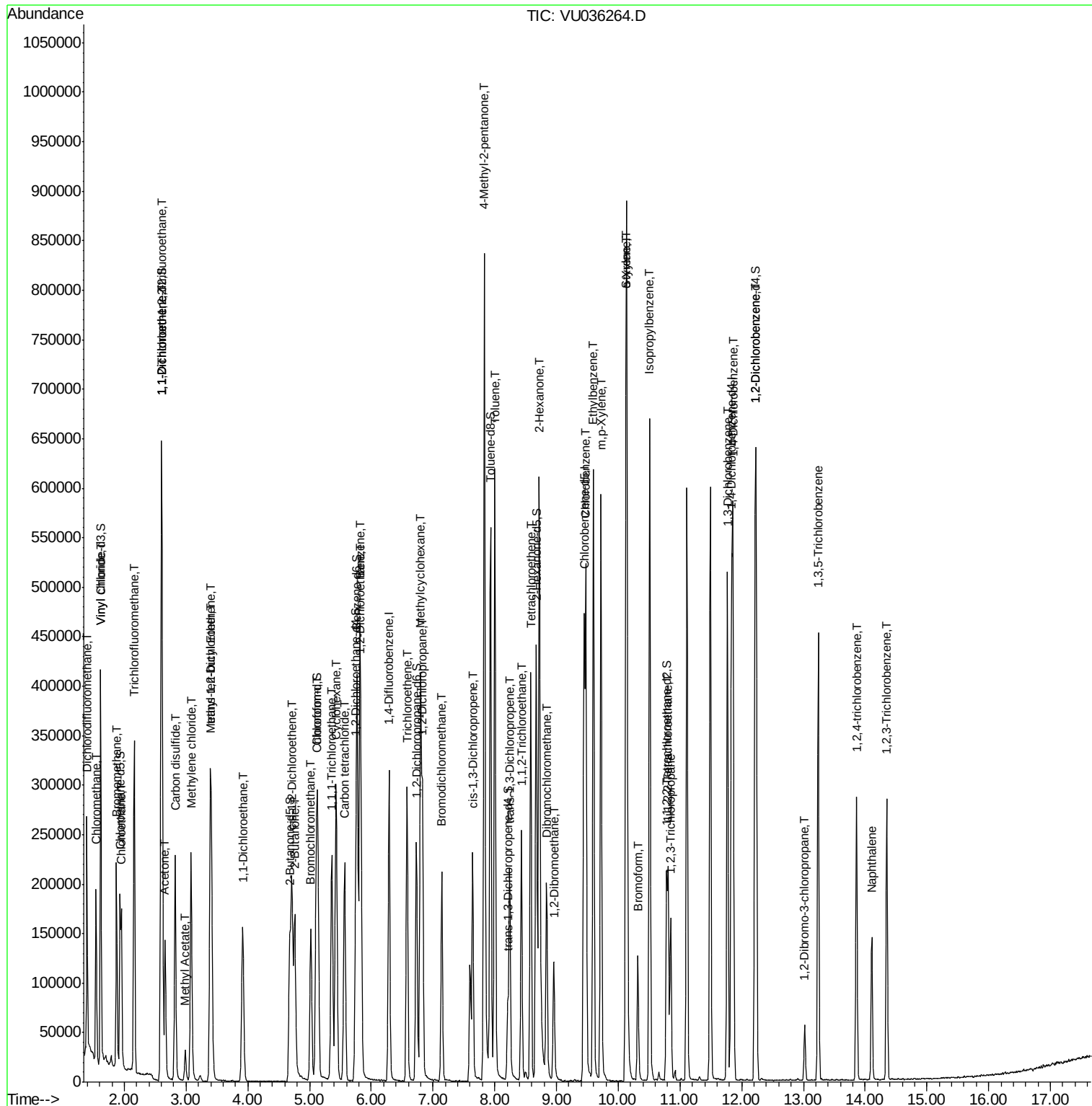
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

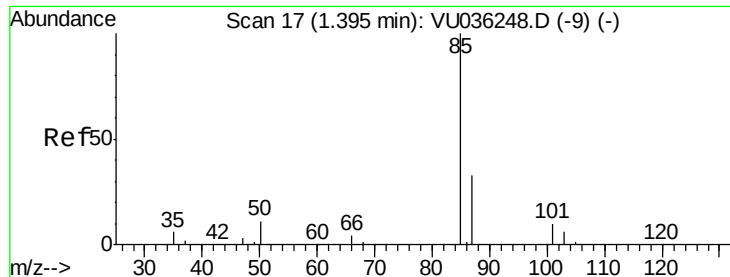
23) Bromochloromethane	5.02	128	51369	5.006	ug/L	97
25) Chloroform	5.13	83	196420	4.975	ug/L	97
27) 1,2-Dichloroethane	5.84	62	118040	5.041	ug/L #	95
29) 1,1,1-Trichloroethane	5.36	97	168645	5.004	ug/L	100
30) Cyclohexane	5.43	56	130829	4.563	ug/L	98
31) Carbon tetrachloride	5.57	117	157325	5.120	ug/L	98
33) Benzene	5.82	78	412444	4.902	ug/L	100
34) Trichloroethene	6.58	95	104010	4.796	ug/L	96
35) Methylcyclohexane	6.80	83	141388	4.585	ug/L	96
37) 1,2-Dichloropropane	6.83	63	104440	4.866	ug/L	98
38) Bromodichloromethane	7.14	83	137471	4.921	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	137913	4.716	ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	532621	47.444	ug/L	99
42) Toluene	8.00	91	456482	5.062	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	120807	4.918	ug/L	96
45) 1,1,2-Trichloroethane	8.43	97	80233	4.989	ug/L	96
47) Tetrachloroethene	8.58	164	97239	4.964	ug/L	93
48) 2-Hexanone	8.72	43	390965	46.665	ug/L	96
49) Dibromochloromethane	8.84	129	104286	5.247	ug/L	99
50) 1,2-Dibromoethane	8.95	107	75212	4.903	ug/L	98
51) Chlorobenzene	9.47	112	286753	4.816	ug/L	97
52) Ethylbenzene	9.60	91	425635	4.699	ug/L	98
53) m,p-Xylene	9.72	106	170748	4.893	ug/L	96
54) o-Xylene	10.13	106	161613	4.802	ug/L	94
55) Styrene	10.14	104	288597	4.845	ug/L	98
56) Isopropylbenzene	10.51	105	414596	4.797	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	101605	4.962	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	71267	4.996	ug/L	97
61) Bromoform	10.32	173	60782	5.089	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	226767	4.885	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	225489	4.898	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	210561	4.761	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	14500	4.936	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	147978	4.254	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	93284	4.082	ug/L	99
69) Naphthalene	14.11	128	115271	3.965	ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	92974	4.207	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 4.954 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036264.D

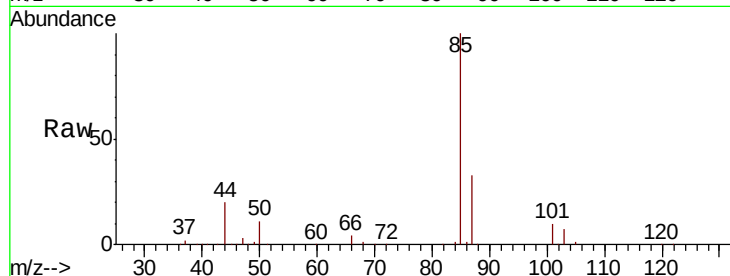
Acq: 18 Dec 2019 09:49

Tot Ion: 85 Resp: 140687

Ion Ratio Lower Upper

85 100

87 32.3 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU036248.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036248.D (-9) (-)

1.39

150000

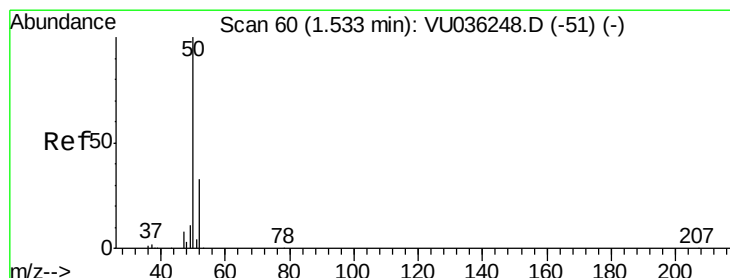
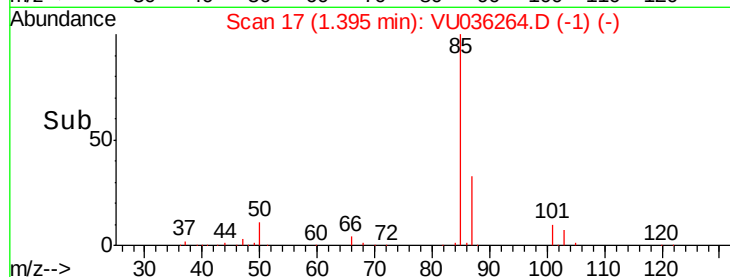
100000

50000

0

Time-->

1.35 1.40 1.45 1.50



#3

Chloromethane

Concen: 4.121 ug/L

RT: 1.54 min Scan# 63

Delta R.T. 0.01 min

Lab File: VU036264.D

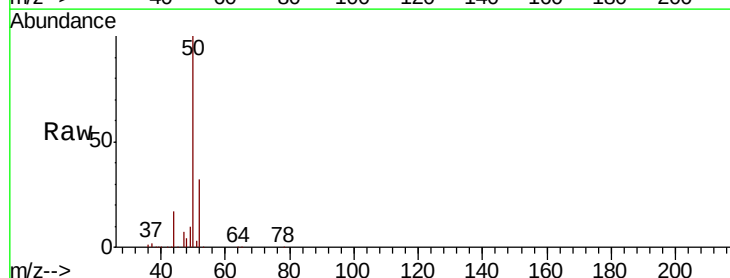
Acq: 18 Dec 2019 09:49

Tgt Ion: 50 Resp: 146855

Ion Ratio Lower Upper

50 100

52 31.9 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU036248.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU036248.D (-51) (-)

1.54

120000

100000

80000

60000

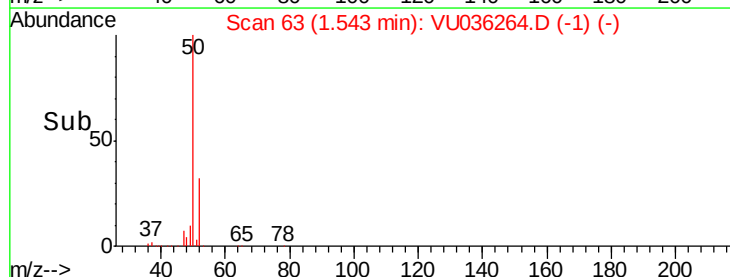
40000

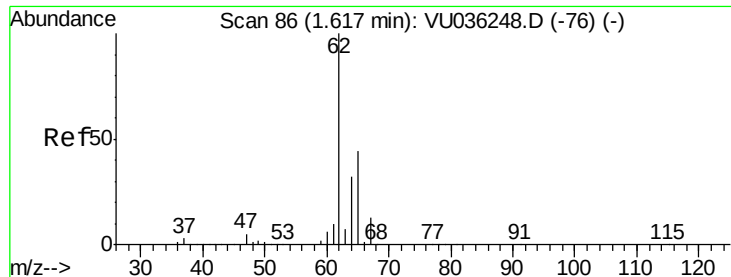
20000

0

Time-->

1.50 1.55 1.60





#5

Vinyl chloride

Concen: 4.704 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036264.D

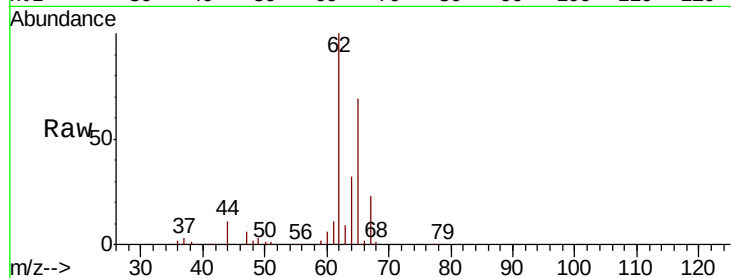
Acq: 18 Dec 2019 09:49

Tot Ion: 62 Resp: 159053

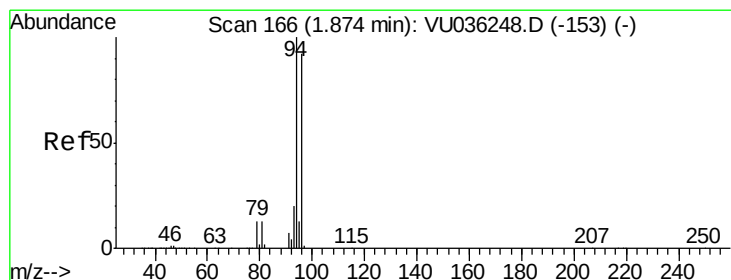
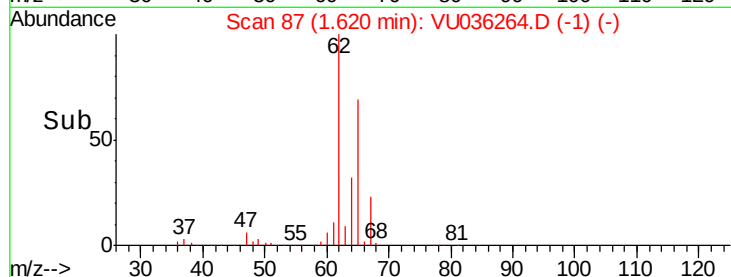
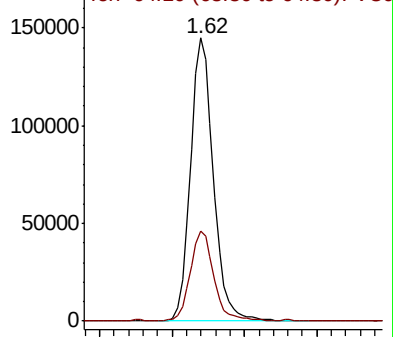
Ion Ratio Lower Upper

62 100

64 31.8 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU036264.D (-1) (-)



#6

Bromomethane

Concen: 5.777 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036264.D

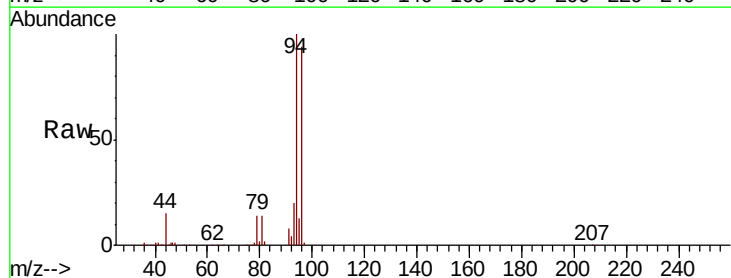
Acq: 18 Dec 2019 09:49

Tgt Ion: 94 Resp: 97598

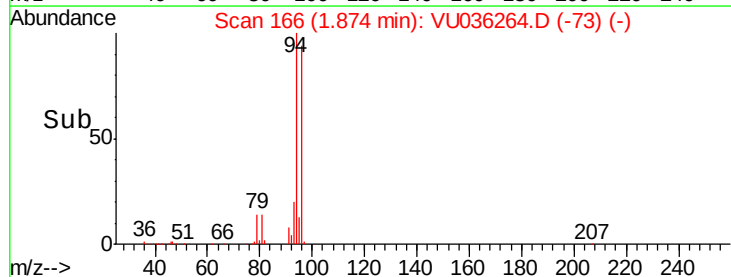
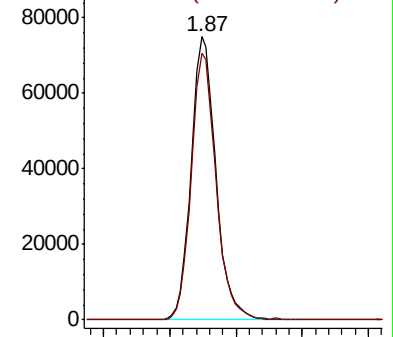
Ion Ratio Lower Upper

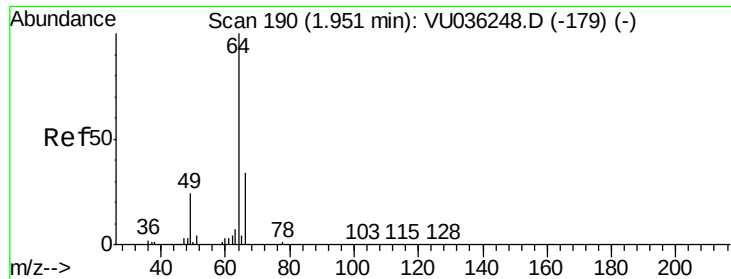
94 100

96 94.1 62.9 116.9



Abundance Ion 94.00 (93.70 to 94.70): VU036264.D (-73) (-)





#8

Chloroethane

Concen: 4.792 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU036264.D

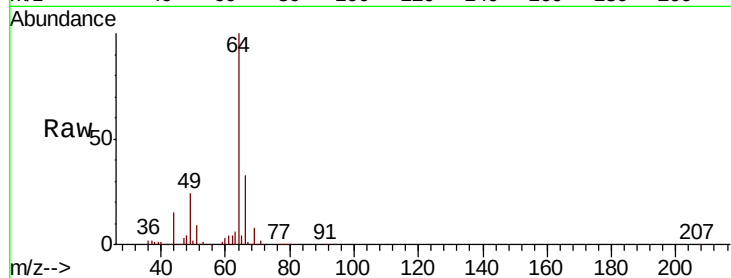
Acq: 18 Dec 2019 09:49

Tot Ion: 64 Resp: 96765

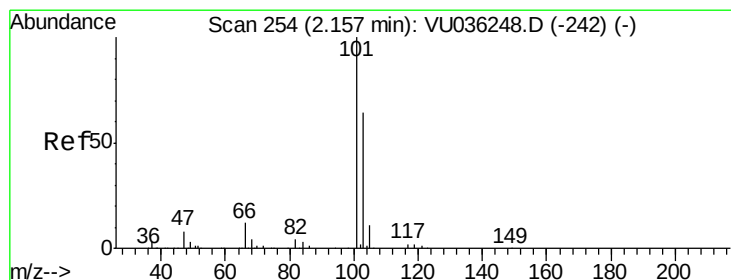
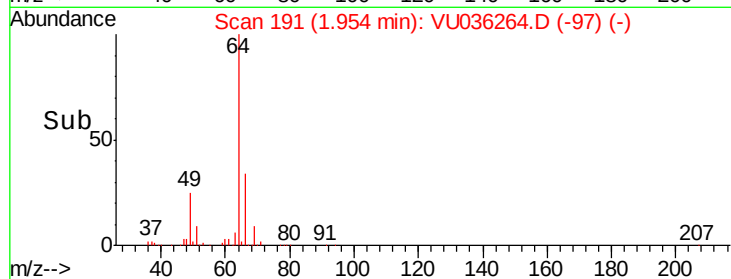
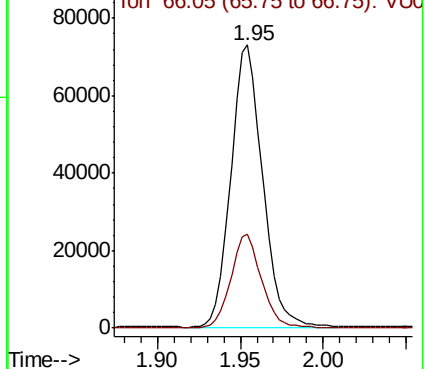
Ion Ratio Lower Upper

64 100

66 33.0 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VU036264.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 5.041 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036264.D

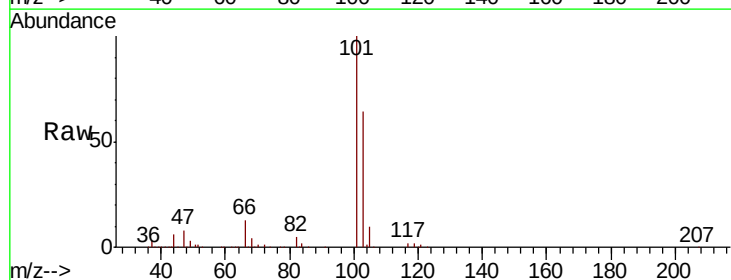
Acq: 18 Dec 2019 09:49

Tgt Ion: 101 Resp: 214793

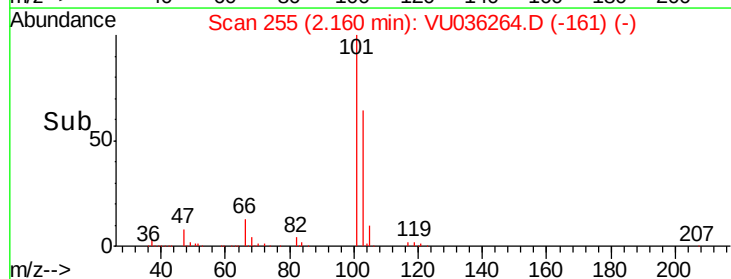
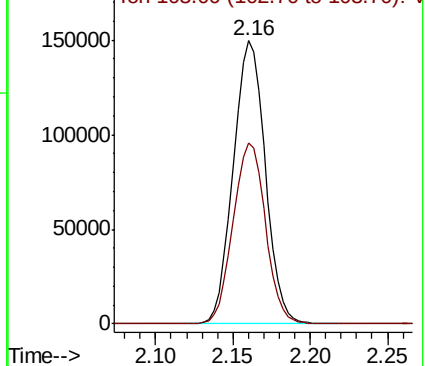
Ion Ratio Lower Upper

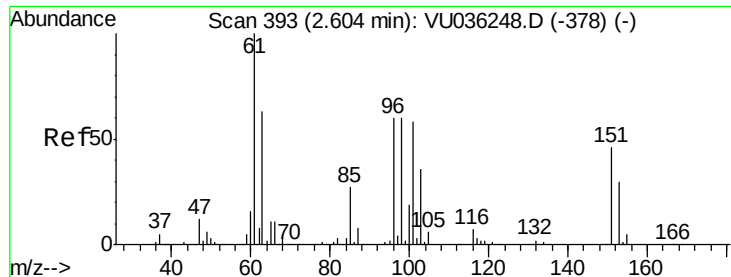
101 100

103 64.7 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): VU036264.D (-242) (-)





#10

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

Concen: 5.136 ug/L

RT: 2.61 min Scan# 394

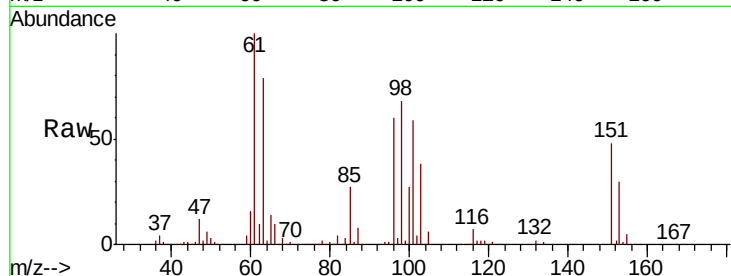
Delta R.T. 0.00 min

Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

Tot Ion:101 Resp: 104853

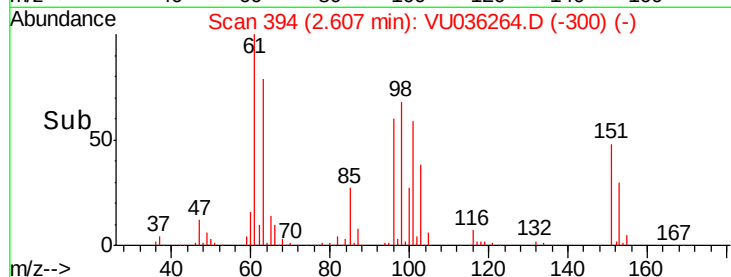
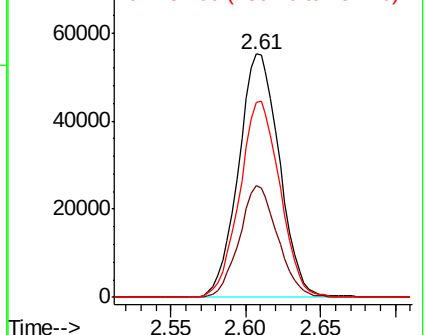
Ion	Ratio	Lower	Upper
101	100		
85	43.0	35.0	52.6
151	79.8	63.9	95.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.908 ug/L

RT: 2.61 min Scan# 394

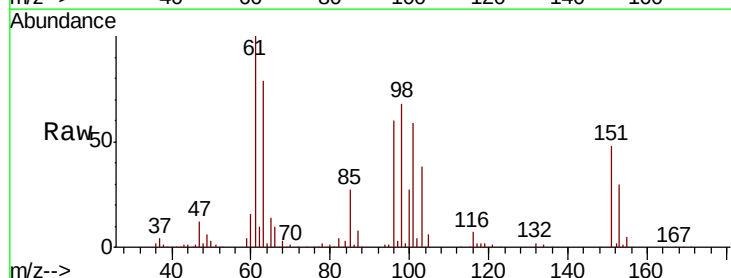
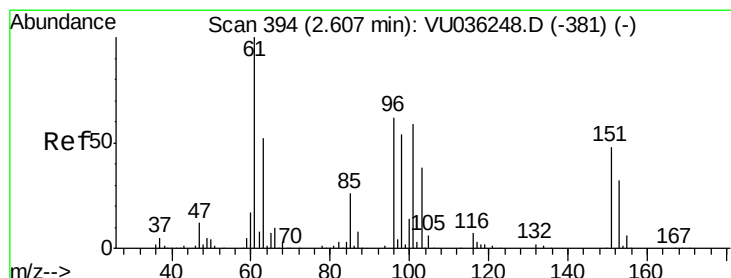
Delta R.T. -0.00 min

Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

Tgt Ion: 96 Resp: 92640

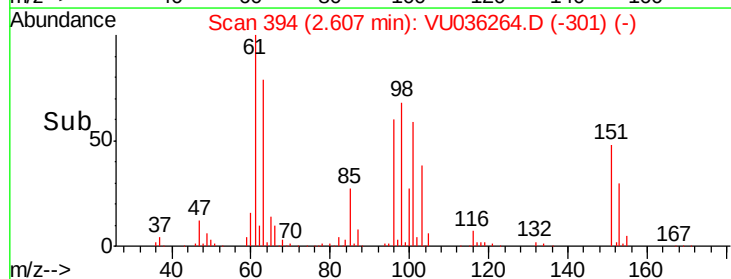
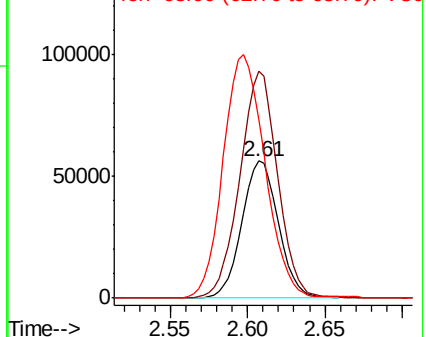
Ion	Ratio	Lower	Upper
96	100		
61	165.7	114.0	211.8
63	130.7	63.6	118.0#

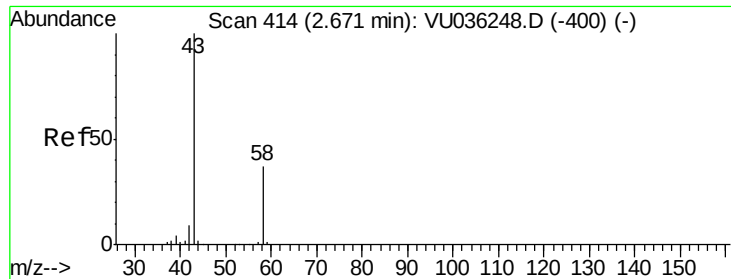


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 40.927 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU036264.D

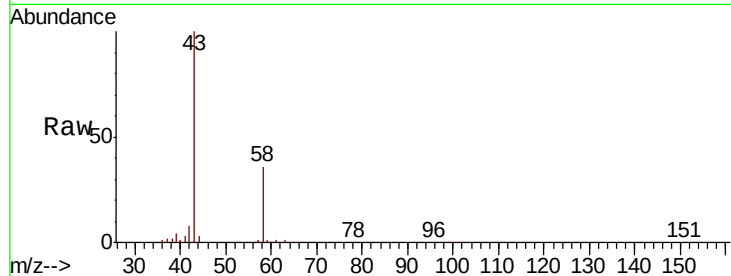
Acq: 18 Dec 2019 09:49

Tot Ion: 43 Resp: 149734

Ion Ratio Lower Upper

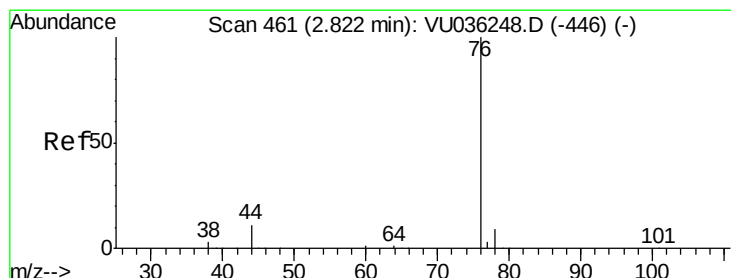
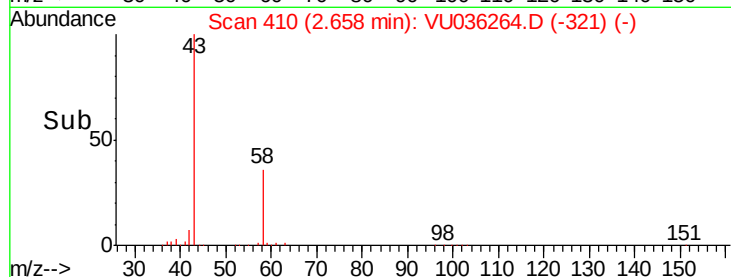
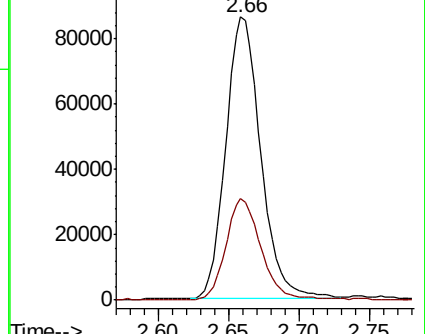
43 100

58 36.0 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036248.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU036248.D (-400) (-)



#14

Carbon disulfide

Concen: 4.836 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU036264.D

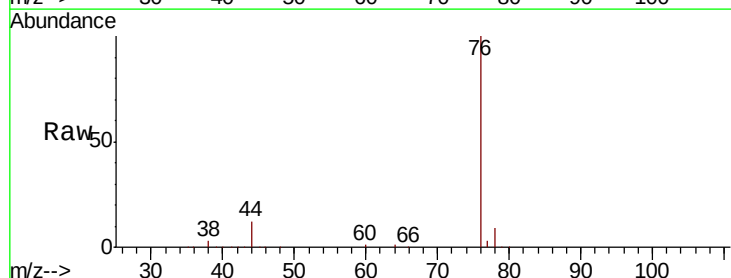
Acq: 18 Dec 2019 09:49

Tgt Ion: 76 Resp: 306281

Ion Ratio Lower Upper

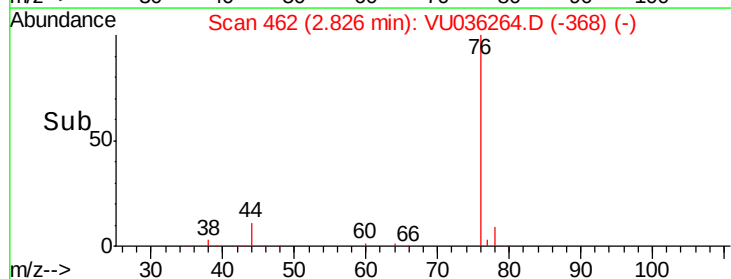
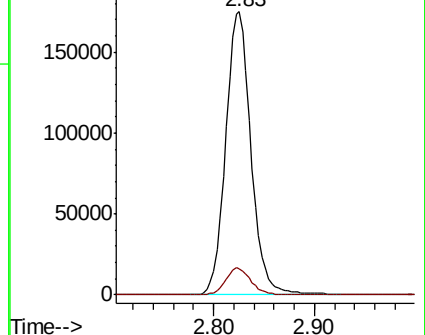
76 100

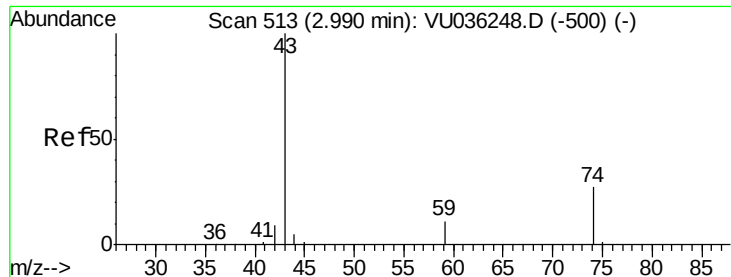
78 9.4 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU036248.D (-446) (-)

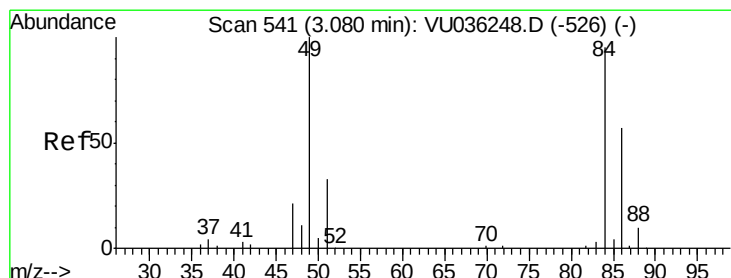
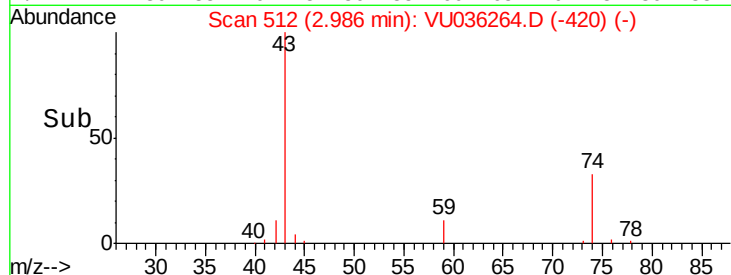
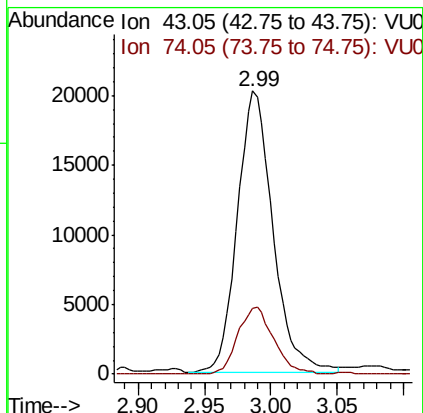
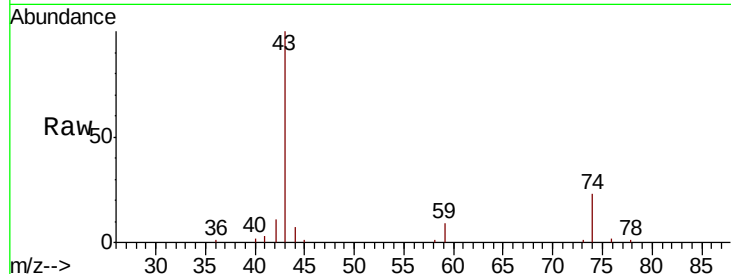
Ion 78.00 (77.70 to 78.70): VU036248.D (-446) (-)





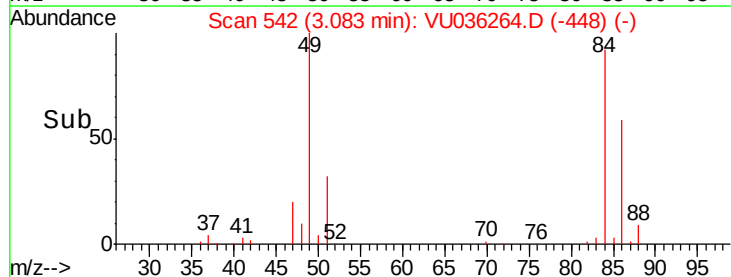
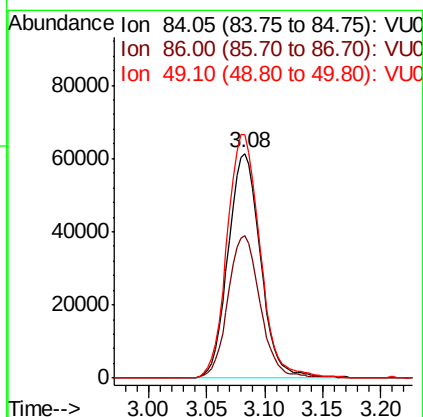
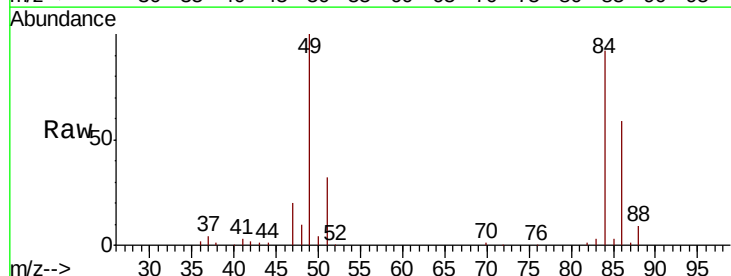
#15
Methvl Acetate
Concen: 5.096 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU036264.D
Acq: 18 Dec 2019 09:49

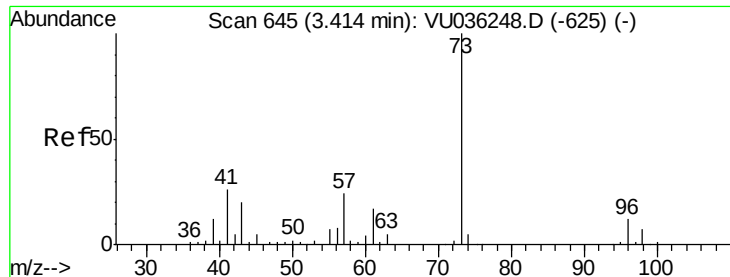
Tot Ion: 43 Resp: 37667
Ion Ratio Lower Upper
43 100
74 23.9 20.8 31.2



#16
Methylene chloride
Concen: 4.288 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036264.D
Acq: 18 Dec 2019 09:49

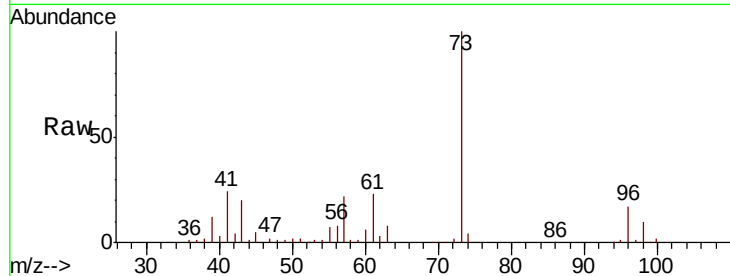
Tgt Ion: 84 Resp: 118994
Ion Ratio Lower Upper
84 100
86 63.5 43.0 79.8
49 108.2 77.3 143.5



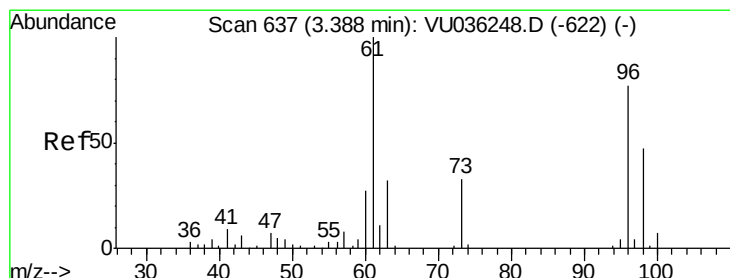
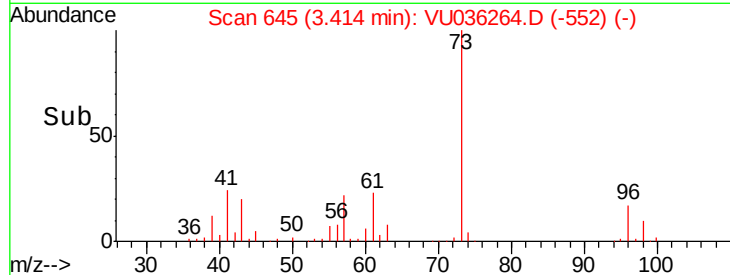
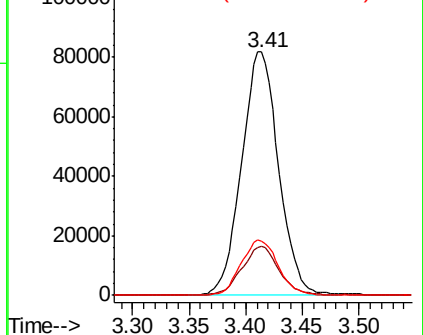


#17
Methyl tert-butyl Ether
Concen: 4.609 ug/L
RT: 3.41 min Scan# 645
Delta R.T. -0.00 min
Lab File: VU036264.D
Acq: 18 Dec 2019 09:49

Tot Ion: 73 Resp: 186460
Ion Ratio Lower Upper
73 100
43 20.3 15.3 22.9
57 22.7 18.2 27.2

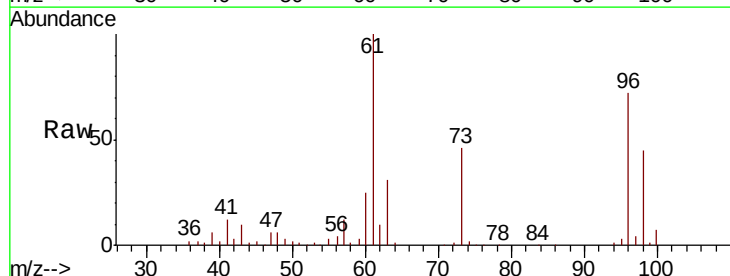


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

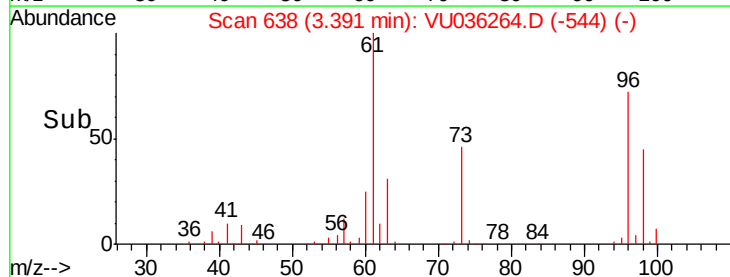
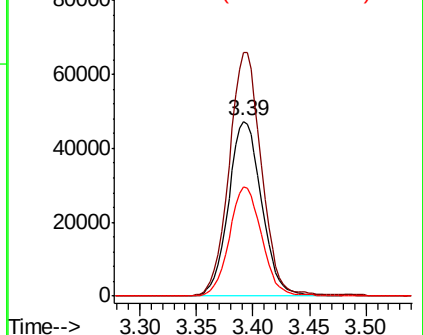


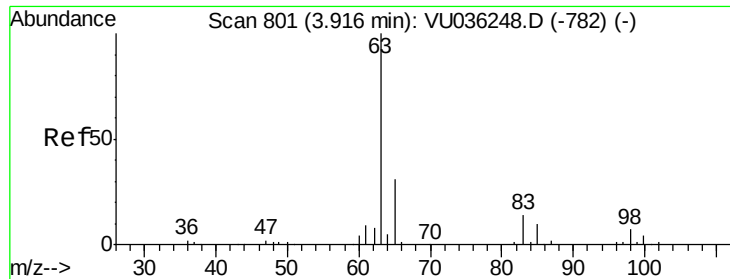
#18
trans-1,2-Dichloroethene
Concen: 4.875 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU036264.D
Acq: 18 Dec 2019 09:49

Tgt Ion: 96 Resp: 96376
Ion Ratio Lower Upper
96 100
61 139.2 94.8 176.2
98 62.8 46.8 86.8



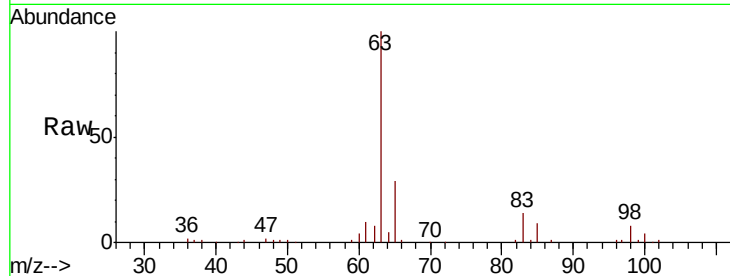
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0



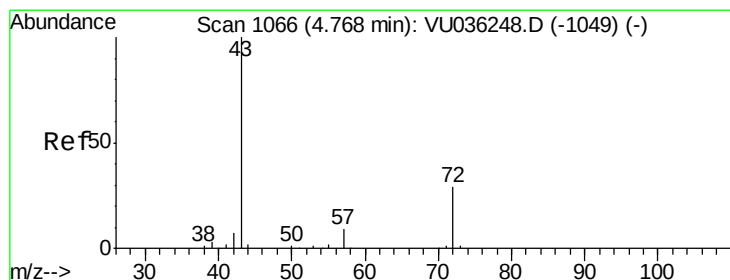
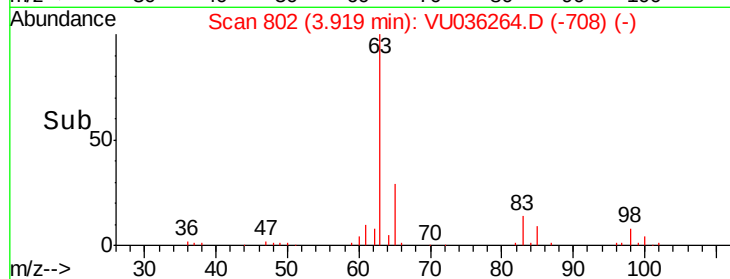
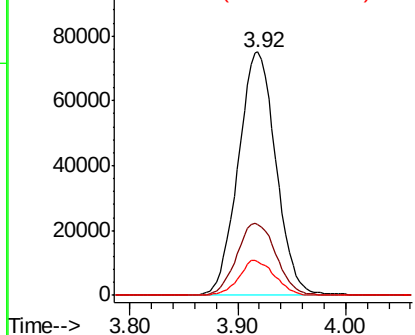


#19
 1,1-Dichloroethane
 Concen: 4.988 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU036264.D
 Acq: 18 Dec 2019 09:49

Tot Ion: 63 Resp: 182078
 Ion Ratio Lower Upper
 63 100
 65 29.2 22.6 42.0
 83 13.8 9.7 18.1

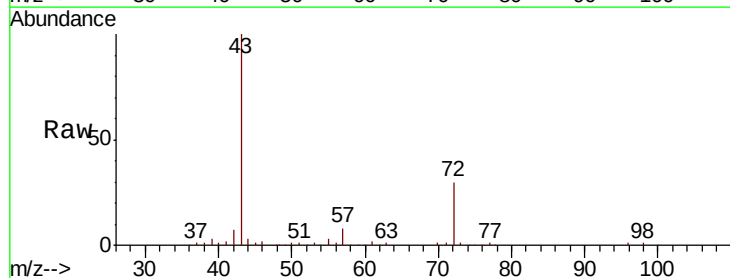


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

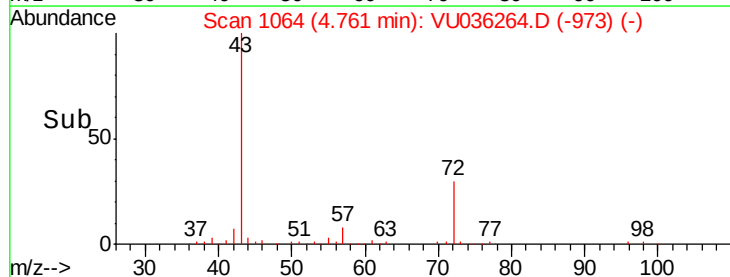
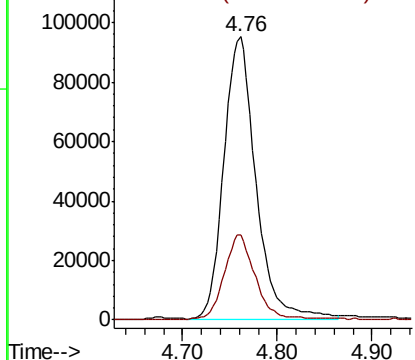


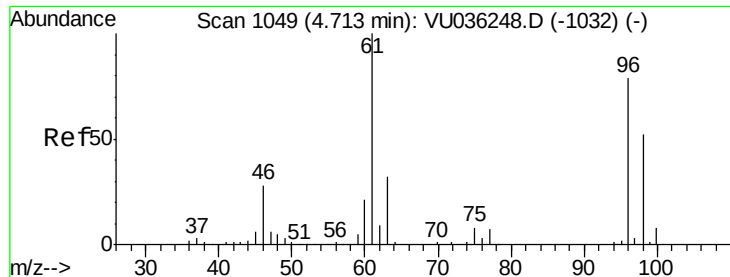
#21
 2-Butanone
 Concen: 45.701 ug/L
 RT: 4.76 min Scan# 1064
 Delta R.T. -0.01 min
 Lab File: VU036264.D
 Acq: 18 Dec 2019 09:49

Tgt Ion: 43 Resp: 223423
 Ion Ratio Lower Upper
 43 100
 72 29.4 14.4 43.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.773 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

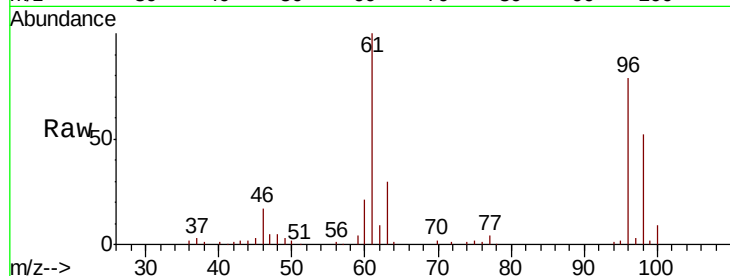
Tot Ion: 96 Resp: 101216

Ion Ratio Lower Upper

96 100

61 127.0 86.7 161.1

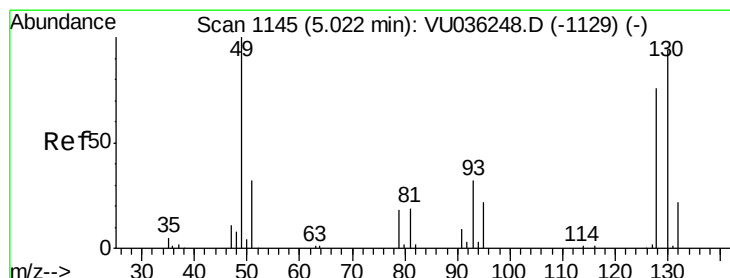
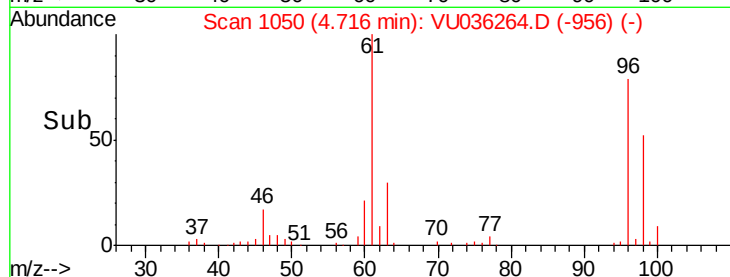
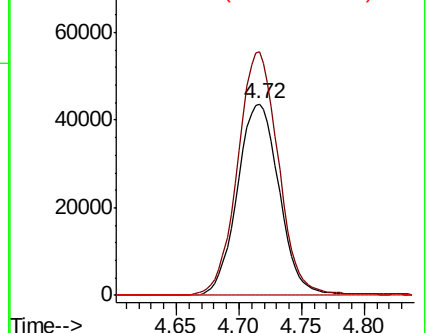
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036264.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU036264.D (-956) (-)

Ion 68.15 (67.85 to 68.85): VU036264.D (-956) (-)



#23

Bromochloromethane

Concen: 5.006 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

Tgt Ion: 128 Resp: 51369

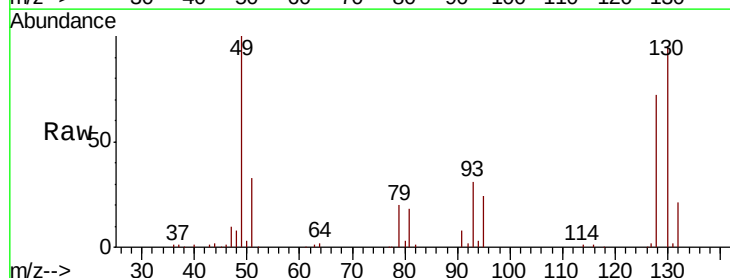
Ion Ratio Lower Upper

128 100

49 139.4 97.6 181.4

130 131.9 85.9 159.5

51 45.4 37.0 55.4

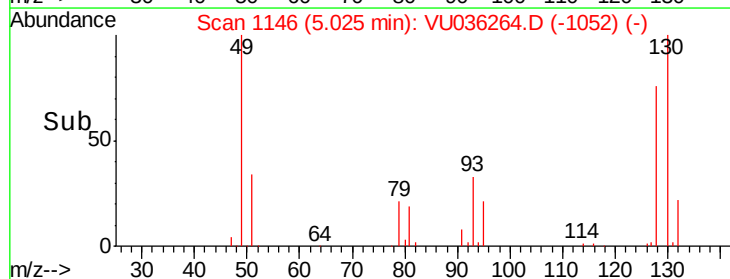
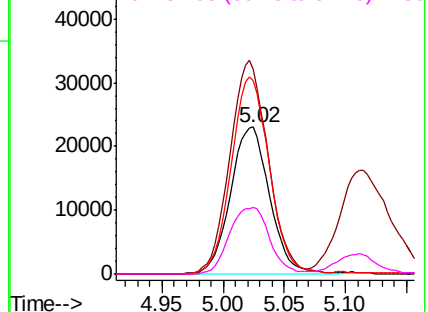


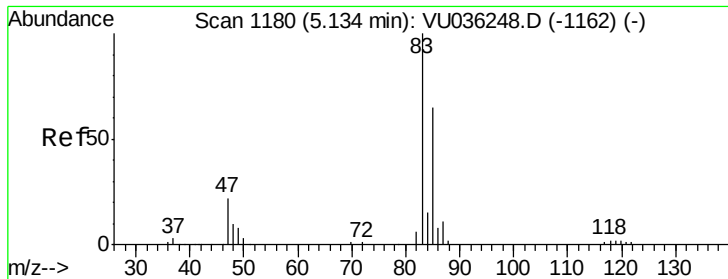
Abundance Ion 127.90 (127.60 to 128.60): VU036264.D (-1052) (-)

Ion 49.10 (48.80 to 49.80): VU036264.D (-1052) (-)

Ion 129.95 (129.65 to 130.65): VU036264.D (-1052) (-)

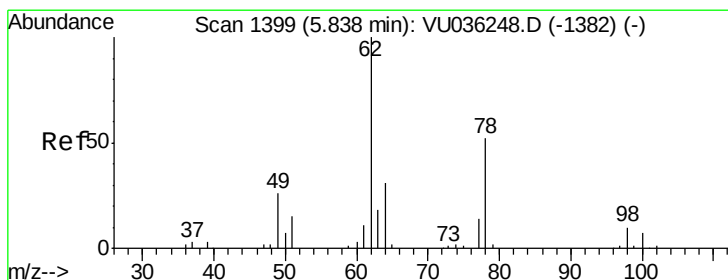
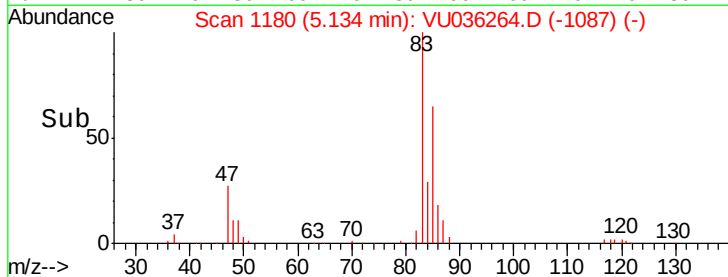
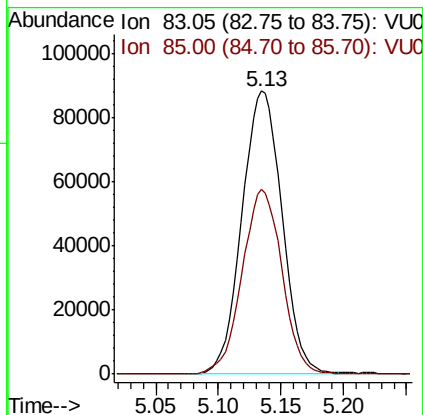
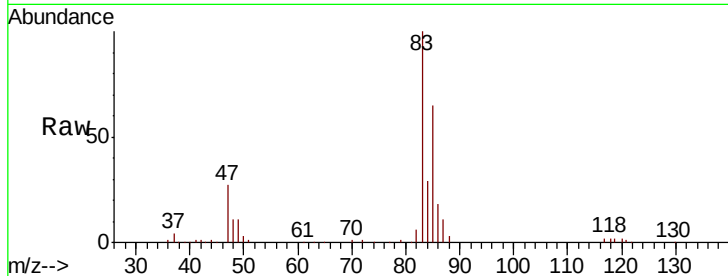
Ion 51.05 (50.75 to 51.75): VU036264.D (-1052) (-)





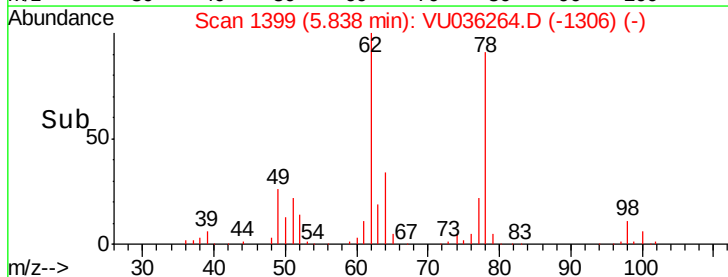
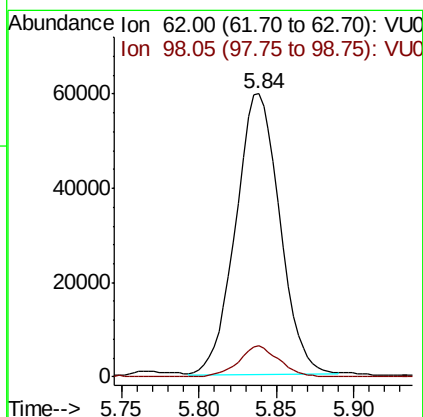
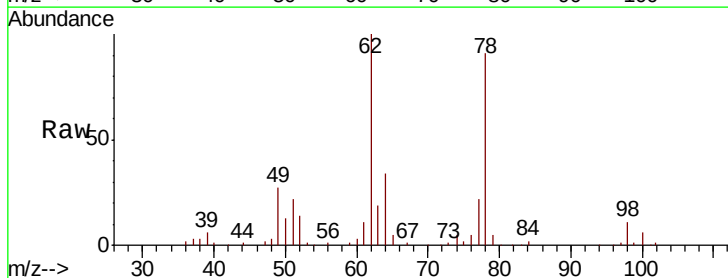
#25
Chloroform
Concen: 4.975 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036264.D
Acq: 18 Dec 2019 09:49

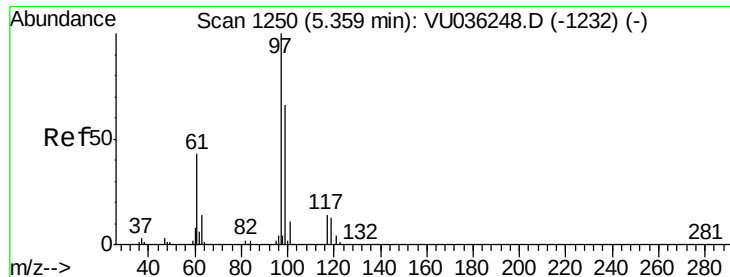
Tot Ion: 83 Resp: 196420
Ion Ratio Lower Upper
83 100
85 65.5 47.5 88.1



#27
1,2-Dichloroethane
Concen: 5.041 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036264.D
Acq: 18 Dec 2019 09:49

Tgt Ion: 62 Resp: 118040
Ion Ratio Lower Upper
62 100
98 11.0 7.3 10.9#





#29

1,1,1-Trichloroethane

Concen: 5.004 ug/L

RT: 5.36 min Scan# 1251

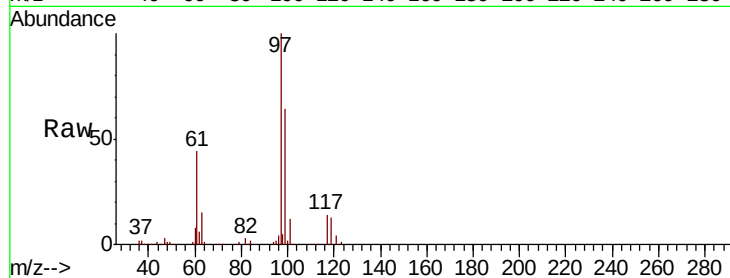
Delta R.T. 0.00 min

Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

Tot Ion: 97 Resp: 168645

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.4	77.2
61	44.1	35.0	52.6

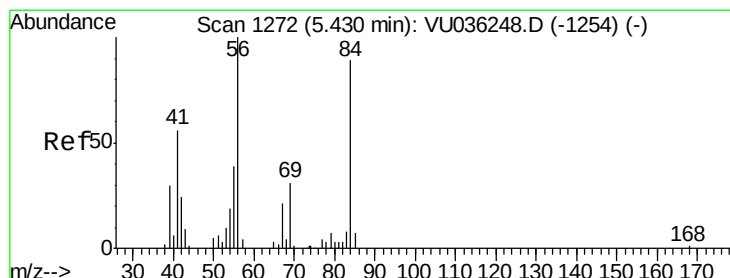
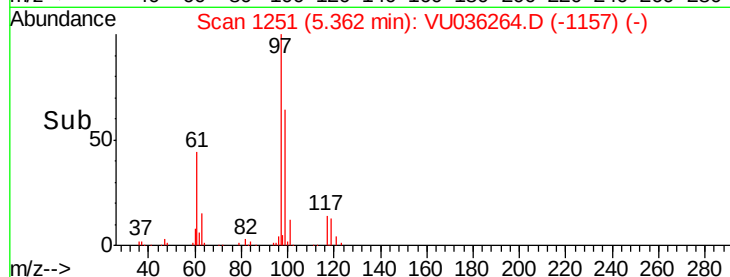
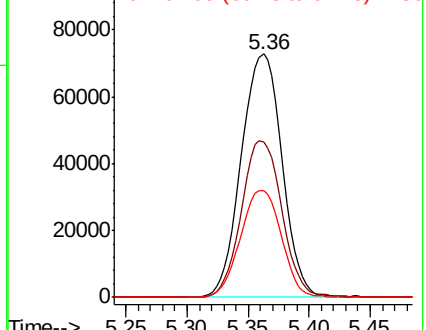


Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 4.563 ug/L

RT: 5.43 min Scan# 1273

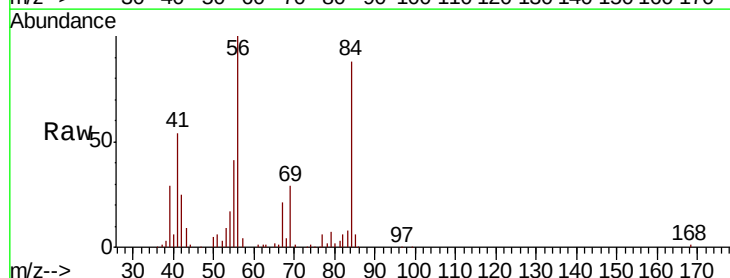
Delta R.T. 0.00 min

Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

Tgt Ion: 56 Resp: 130829

Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.6	38.4
84	88.4	73.0	109.4

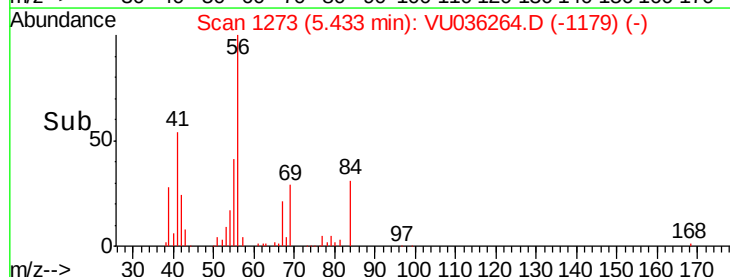
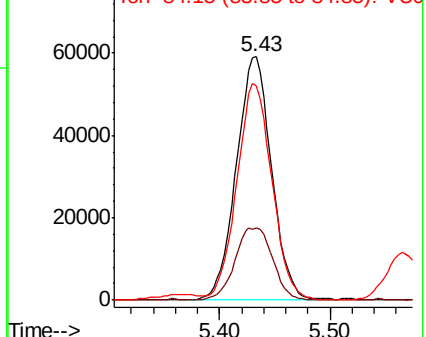


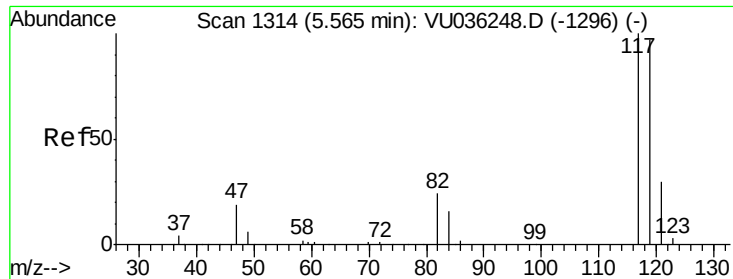
Abundance

Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.120 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036264.D

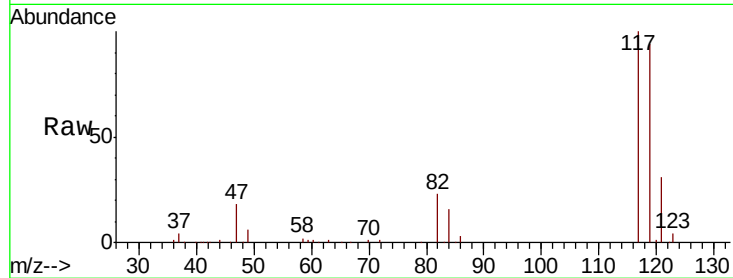
Acq: 18 Dec 2019 09:49

Tot Ion:117 Resp: 157325

Ion Ratio Lower Upper

117 100

119 94.3 77.2 115.8

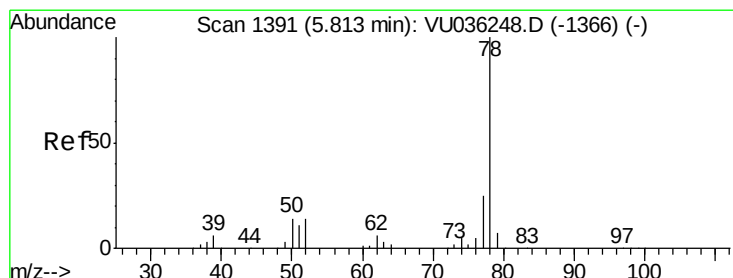
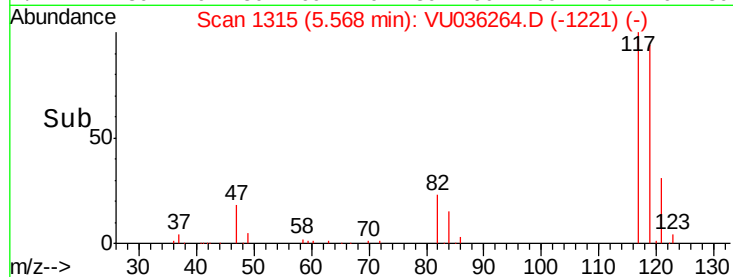


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.57

Time-->



#33

Benzene

Concen: 4.902 ug/L

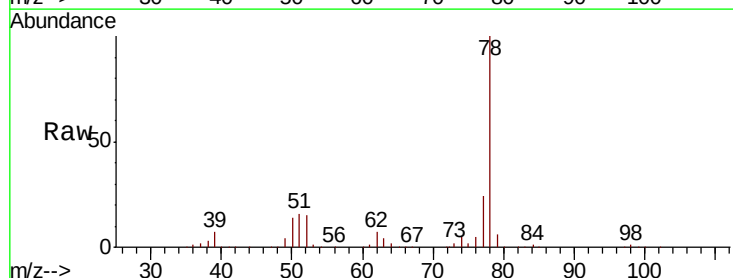
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

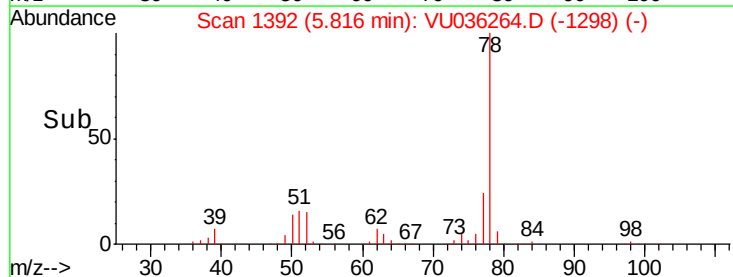
Tgt Ion: 78 Resp: 412444

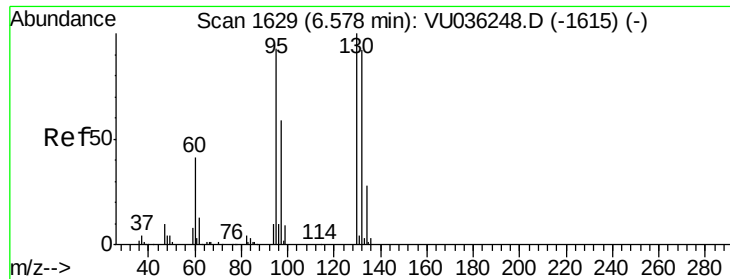


Abundance Ion 78.10 (77.80 to 78.80): VU0

5.82

Time-->





#34

Trichloroethene

Concen: 4.796 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

Tot Ion: 95 Resp: 104010

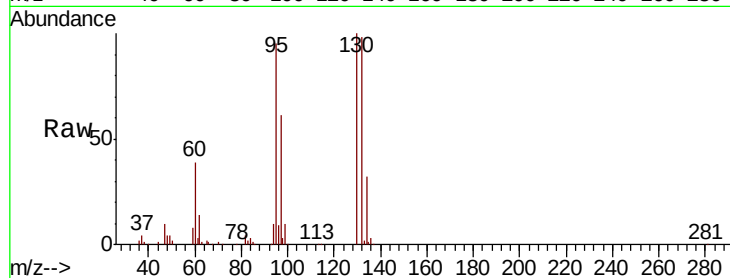
Ion	Ratio	Lower	Upper
95	100		
97	64.6	43.6	81.0
132	103.1	69.6	129.2
130	105.2	70.3	130.7

95 100

97 64.6 43.6 81.0

132 103.1 69.6 129.2

130 105.2 70.3 130.7

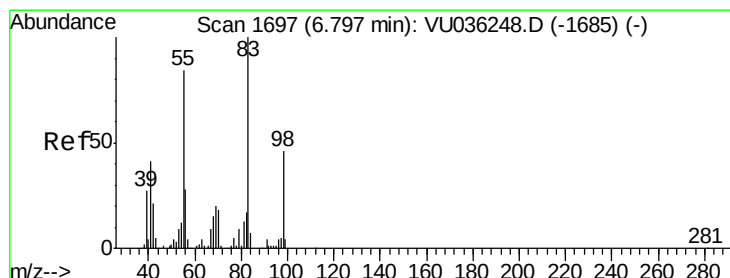
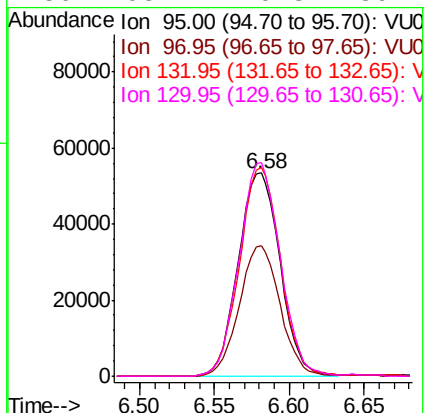
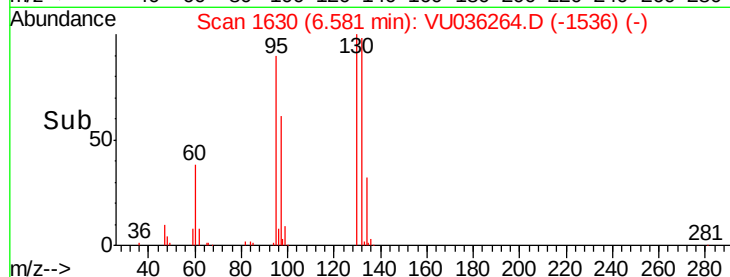


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.585 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

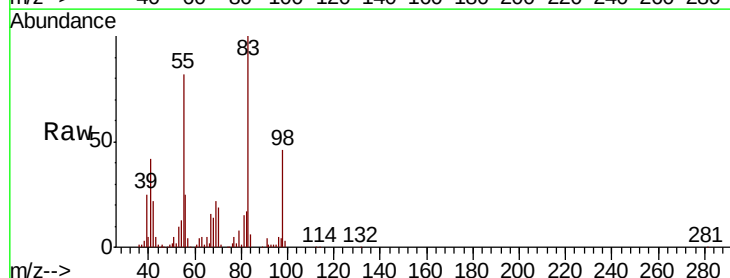
Tgt Ion: 83 Resp: 141388

Ion	Ratio	Lower	Upper
83	100		
55	83.1	62.6	94.0
98	46.1	36.2	54.2

83 100

55 83.1 62.6 94.0

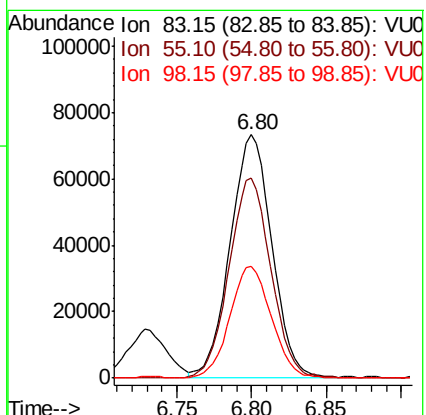
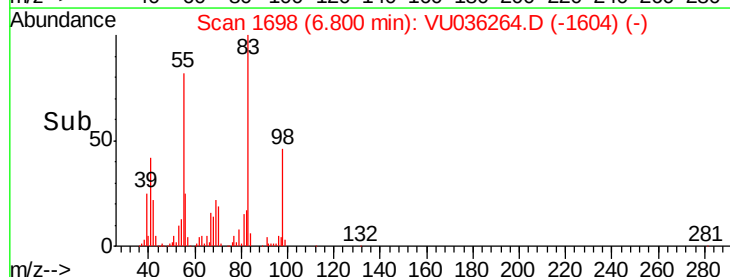
98 46.1 36.2 54.2

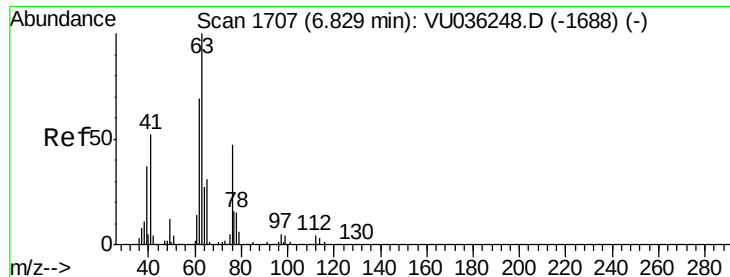


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.866 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU036264.D

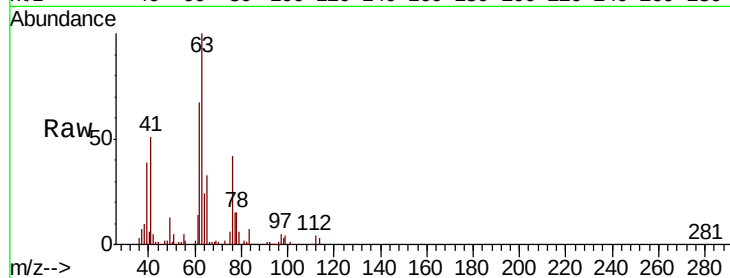
Acq: 18 Dec 2019 09:49

Tot Ion: 63 Resp: 104440

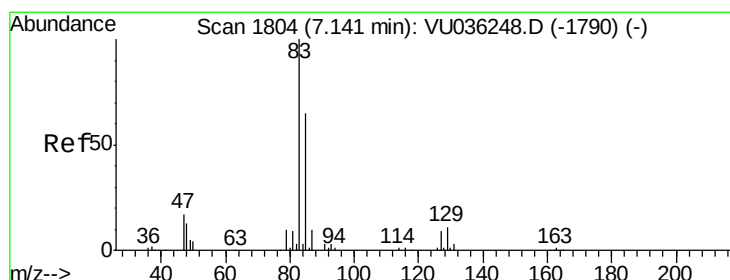
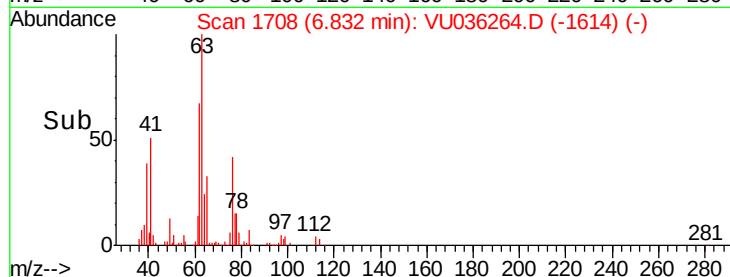
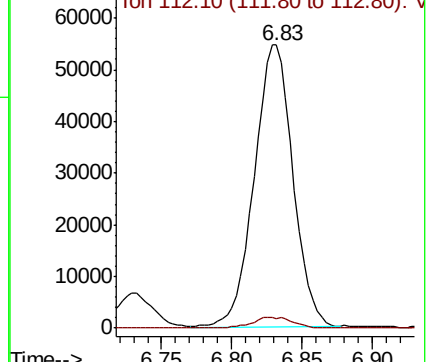
Ion Ratio Lower Upper

63 100

112 4.1 3.8 5.8



Abundance Ion 63.10 (62.80 to 63.80): VU036264.D (-1688) (-)



#38

Bromodichloromethane

Concen: 4.921 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

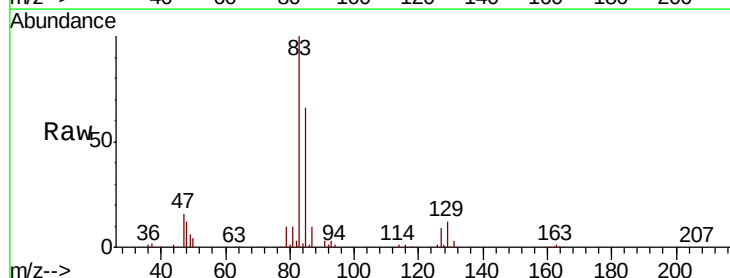
Tgt Ion: 83 Resp: 137471

Ion Ratio Lower Upper

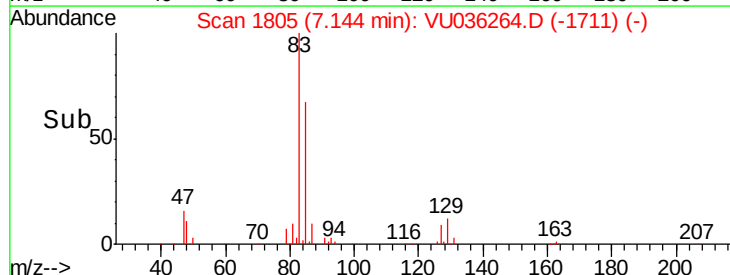
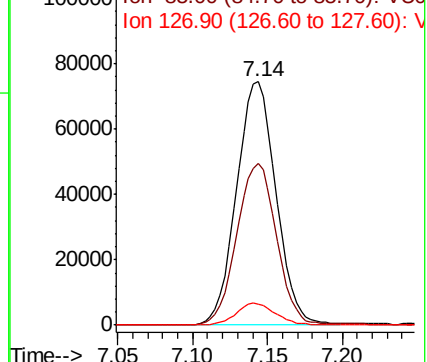
83 100

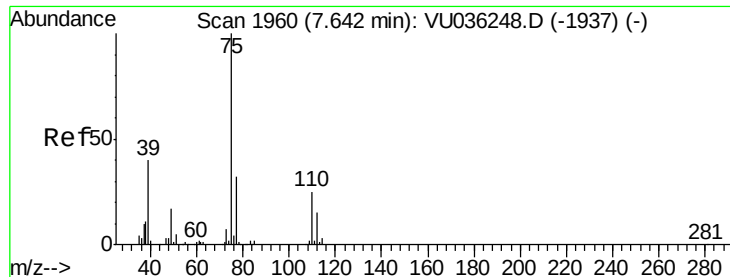
85 66.3 45.6 84.6

127 8.7 7.1 10.7



Abundance Ion 82.95 (82.65 to 83.65): VU036264.D (-1790) (-)





#39

cis-1,3-Dichloropropene

Concen: 4.716 ug/L

RT: 7.64 min Scan# 1960

Delta R.T. -0.00 min

Lab File: VU036264.D

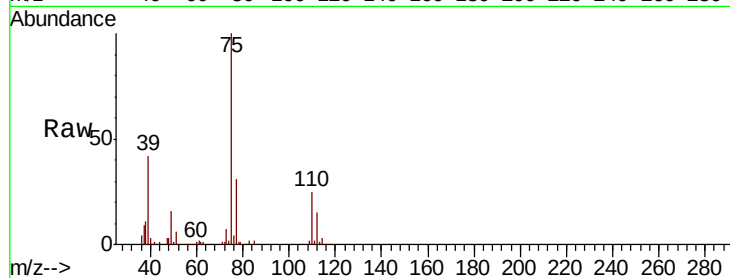
Acq: 18 Dec 2019 09:49

Tot Ion: 75 Resp: 137913

Ion Ratio Lower Upper

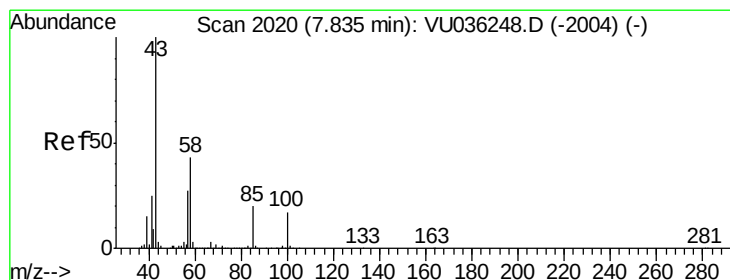
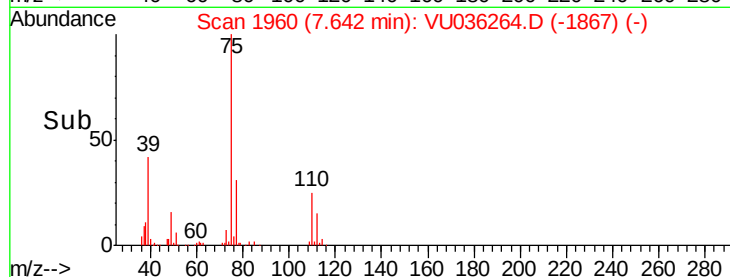
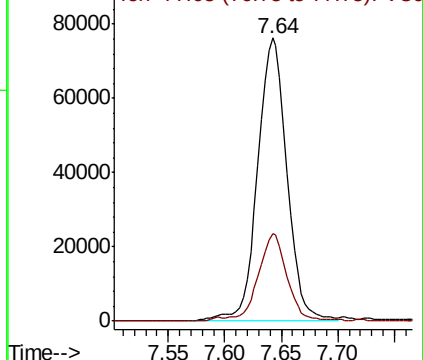
75 100

77 30.9 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU036264.D (-1937) (-)

Ion 77.05 (76.75 to 77.75): VU036264.D (-1937) (-)



#40

4-Methyl-2-pentanone

Concen: 47.444 ug/L

RT: 7.83 min Scan# 2019

Delta R.T. -0.00 min

Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

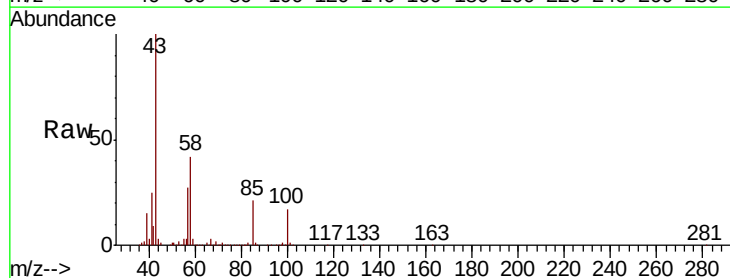
Tgt Ion: 43 Resp: 532621

Ion Ratio Lower Upper

43 100

58 41.0 33.3 49.9

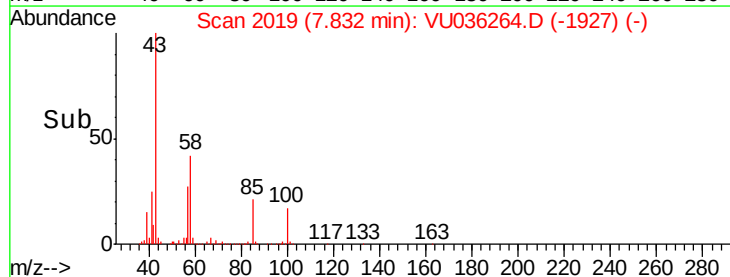
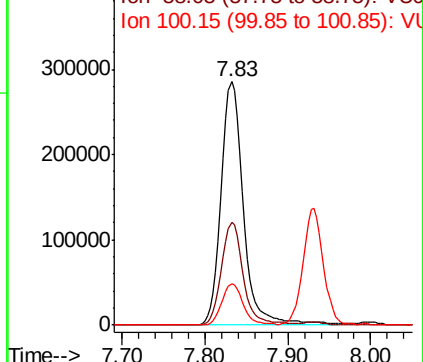
100 16.2 13.7 20.5

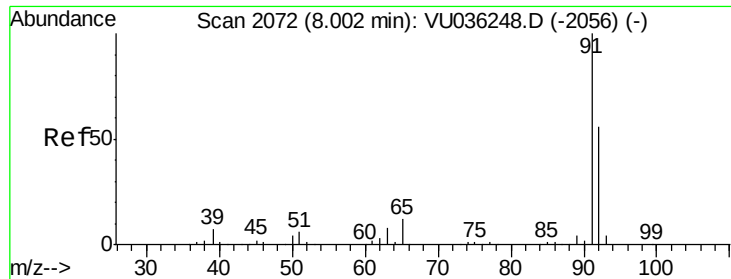


Abundance Ion 43.05 (42.75 to 43.75): VU036264.D (-1927) (-)

Ion 58.05 (57.75 to 58.75): VU036264.D (-1927) (-)

Ion 100.15 (99.85 to 100.85): VU036264.D (-1927) (-)





#42

Toluene

Concen: 5.062 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036264.D

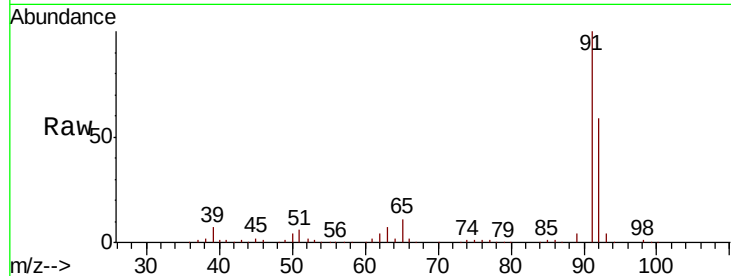
Acq: 18 Dec 2019 09:49

Tot Ion: 91 Resp: 456482

Ion Ratio Lower Upper

91 100

92 58.8 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU036248.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036248.D (-2056) (-)

8.00

250000

200000

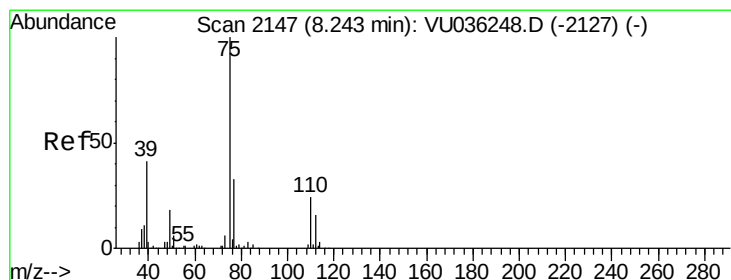
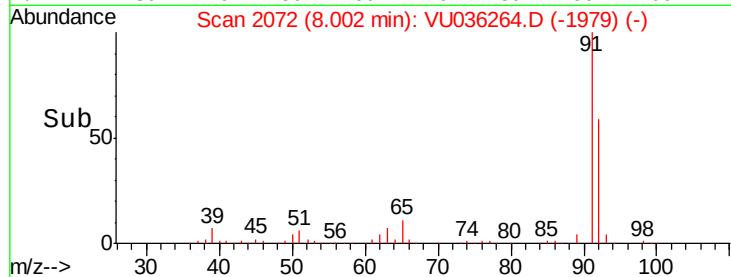
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.918 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036264.D

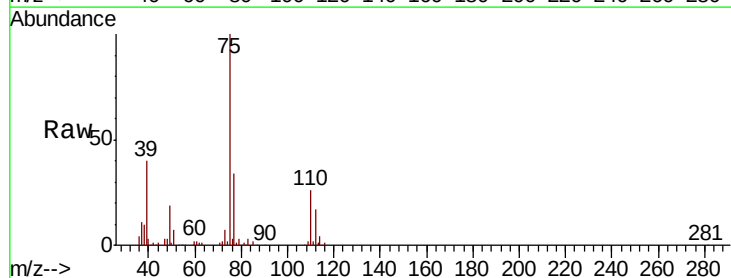
Acq: 18 Dec 2019 09:49

Tgt Ion: 75 Resp: 120807

Ion Ratio Lower Upper

75 100

77 34.0 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU036248.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU036248.D (-2127) (-)

8.24

80000

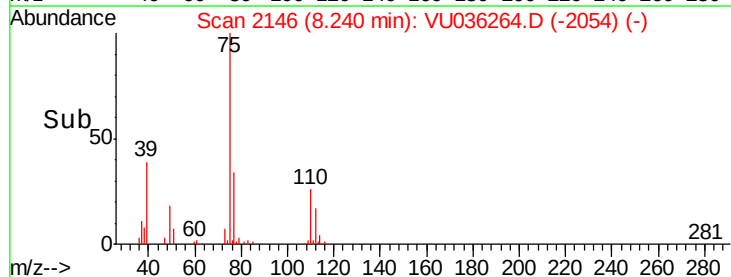
60000

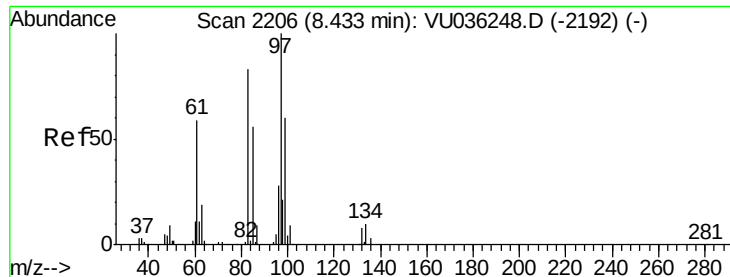
40000

20000

0

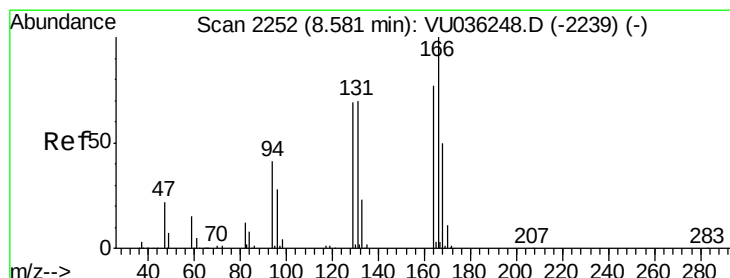
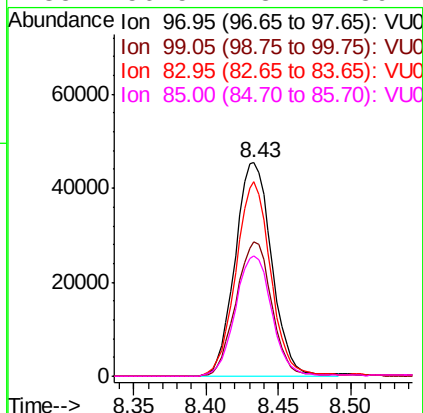
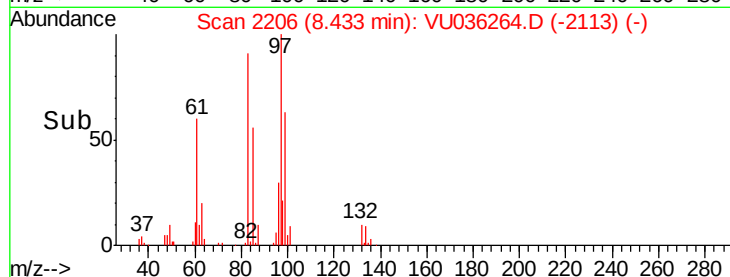
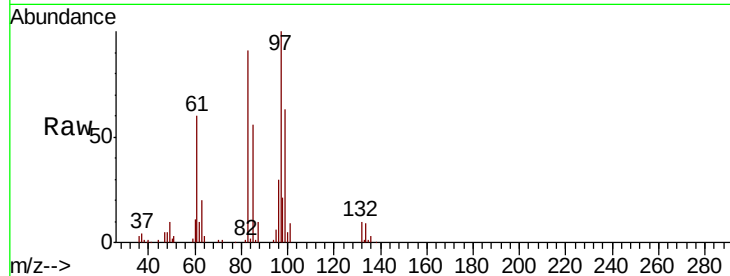
Time-->





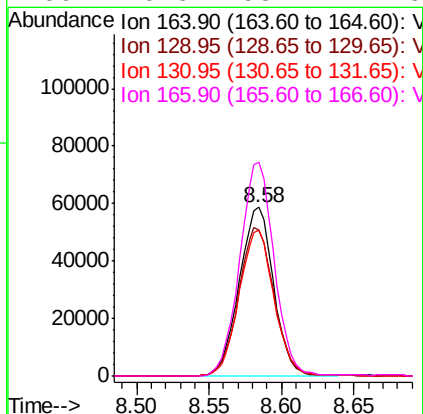
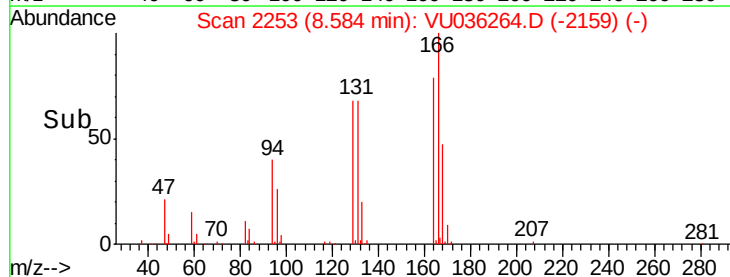
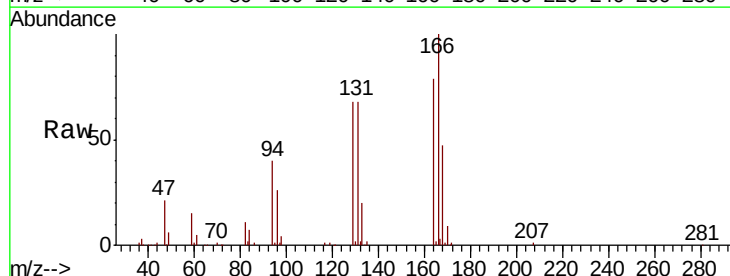
#45
 1,1,2-Trichloroethane
 Concen: 4.989 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU036264.D
 Acq: 18 Dec 2019 09:49

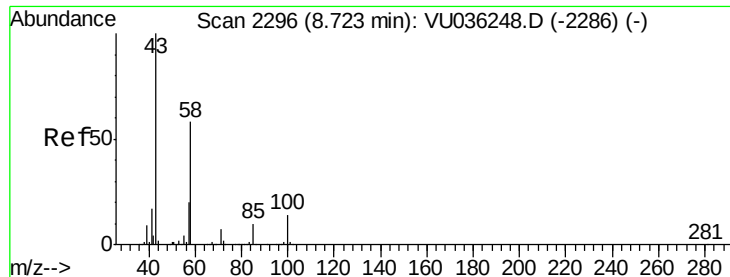
Tot Ion:	97	Resp:	80233
Ion	Ratio	Lower	Upper
97	100		
99	63.2	46.1	85.5
83	90.9	65.9	122.3
85	56.5	43.1	80.1



#47
 Tetrachloroethene
 Concen: 4.964 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036264.D
 Acq: 18 Dec 2019 09:49

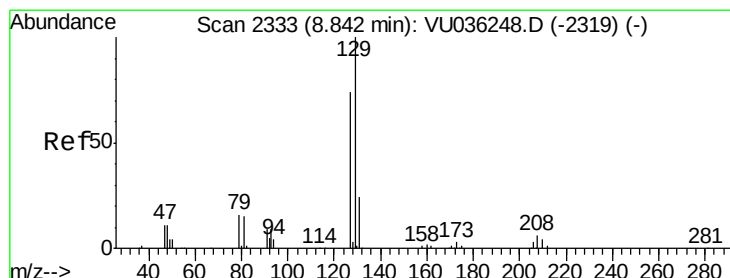
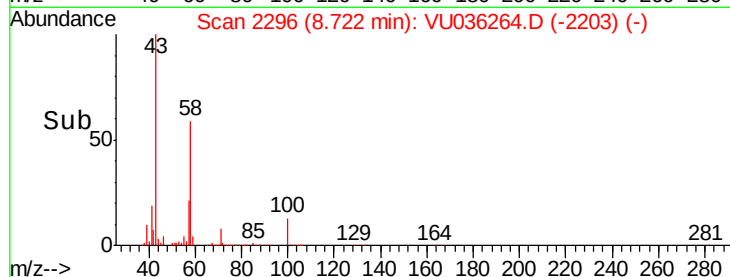
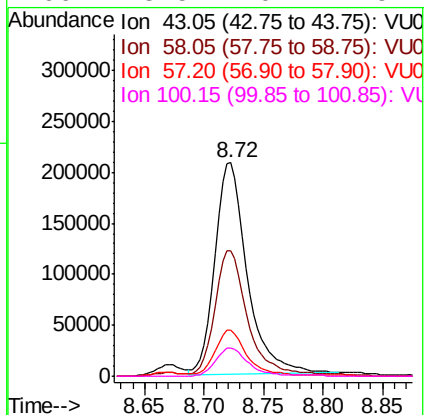
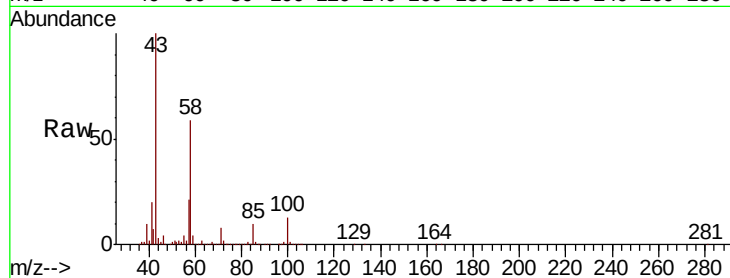
Tgt Ion:	164	Resp:	97239
Ion	Ratio	Lower	Upper
164	100		
129	86.4	64.2	119.2
131	86.2	66.6	123.8
166	126.6	93.1	172.9





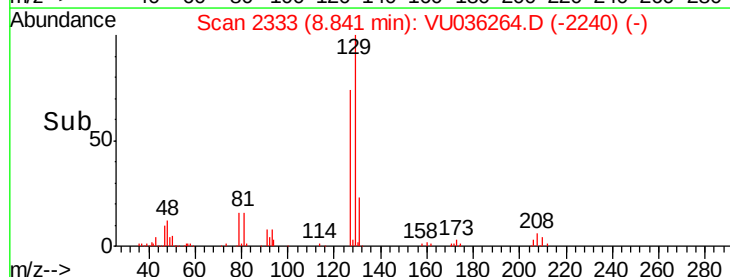
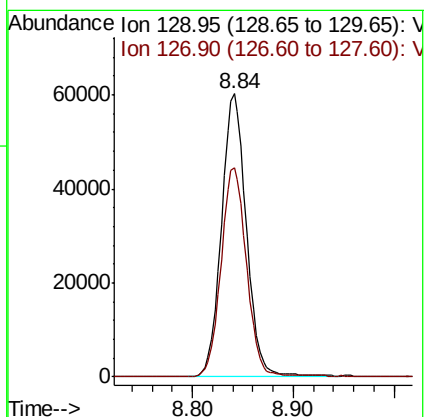
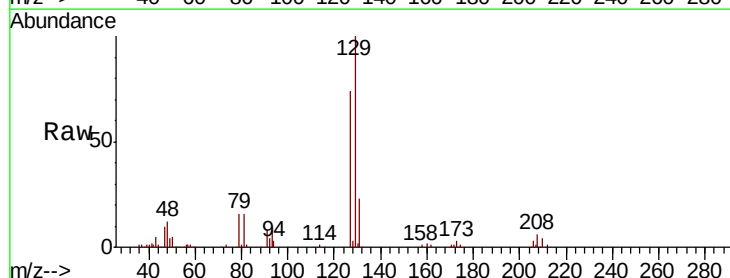
#48
2-Hexanone
Concen: 46.665 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU036264.D
Acq: 18 Dec 2019 09:49

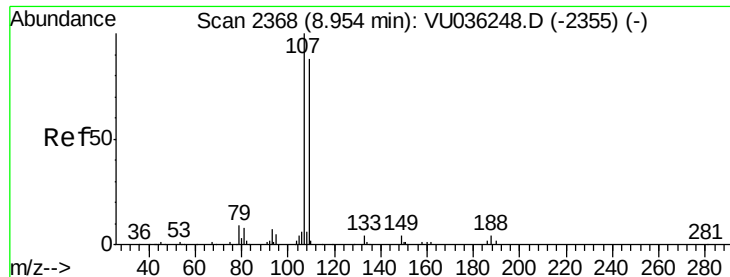
Tot Ion:	43	Resp:	390965
Ion	Ratio	Lower	Upper
43	100		
58	61.9	46.2	69.2
57	20.0	16.2	24.4
100	13.5	10.2	15.4



#49
Dibromochloromethane
Concen: 5.247 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036264.D
Acq: 18 Dec 2019 09:49

Tgt Ion:	129	Resp:	104286
Ion	Ratio	Lower	Upper
129	100		
127	73.9	52.6	97.6





#50

1,2-Dibromoethane

Concen: 4.903 ug/L

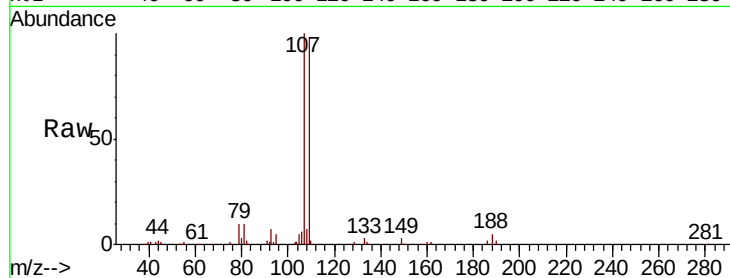
RT: 8.95 min Scan# 2368

Delta R.T. -0.00 min

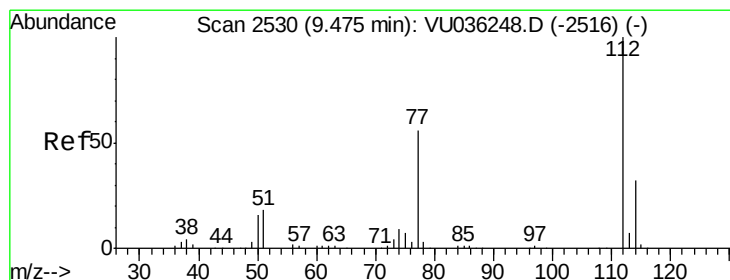
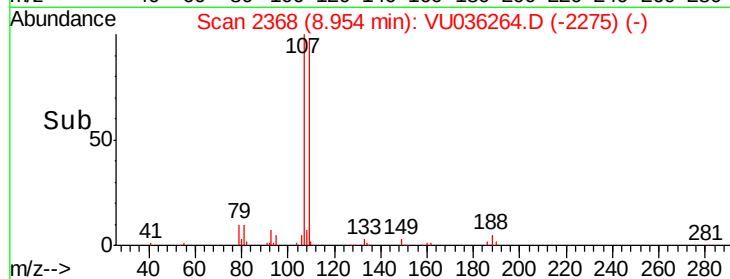
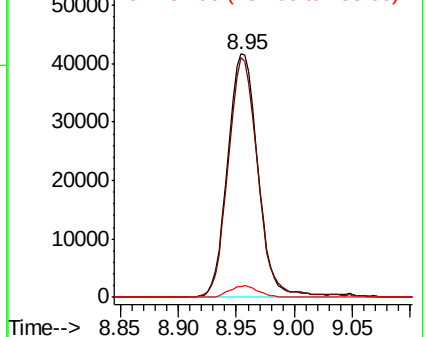
Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

Tot Ion:	107	Resp:	75212
Ion	Ratio	Lower	Upper
107	100		
109	98.3	67.5	125.4
188	4.6	3.1	4.7



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.816 ug/L

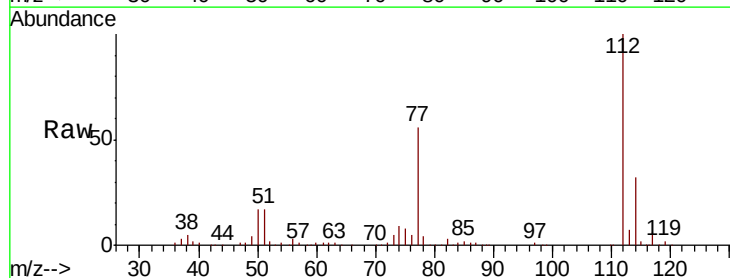
RT: 9.47 min Scan# 2530

Delta R.T. -0.00 min

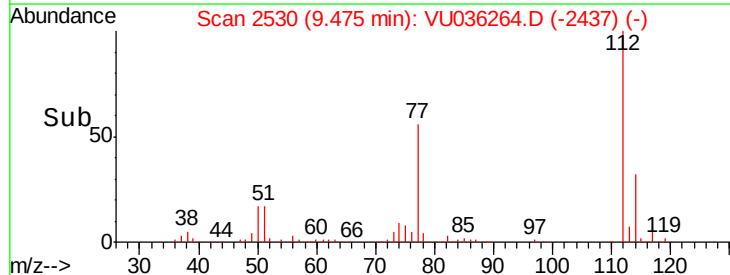
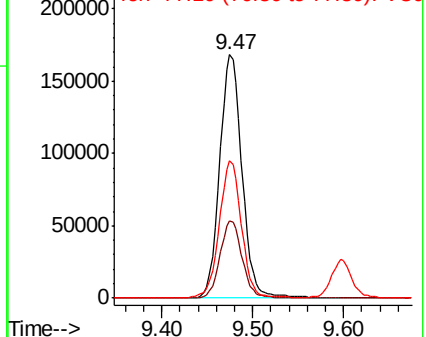
Lab File: VU036264.D

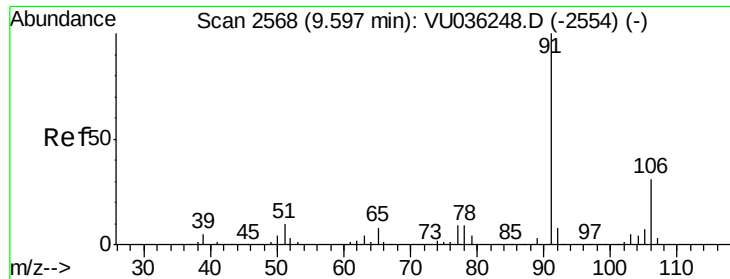
Acq: 18 Dec 2019 09:49

Tgt Ion:	112	Resp:	286753
Ion	Ratio	Lower	Upper
112	100		
114	31.5	23.2	43.2
77	56.3	46.5	69.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.699 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036264.D

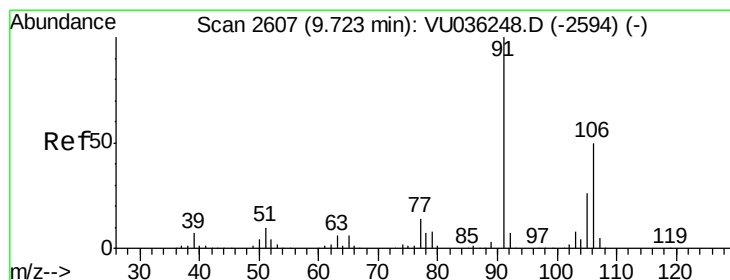
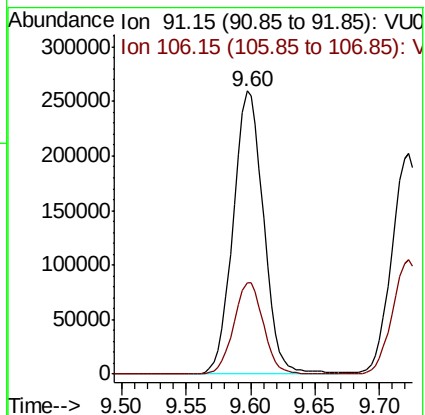
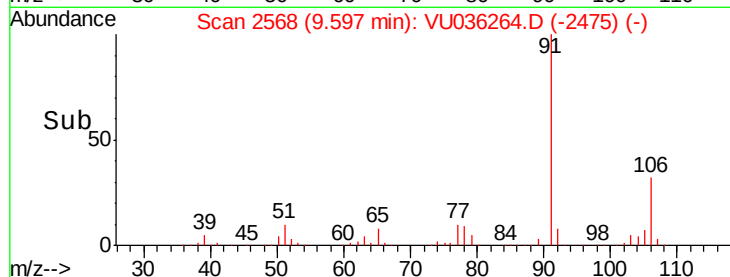
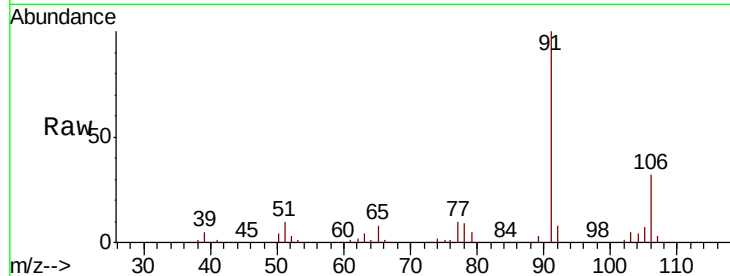
Acq: 18 Dec 2019 09:49

Tot Ion: 91 Resp: 425635

Ion Ratio Lower Upper

91 100

106 32.4 22.0 41.0



#53

m,p-Xylene

Concen: 4.893 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU036264.D

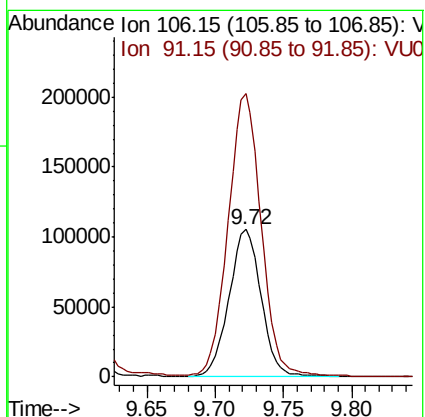
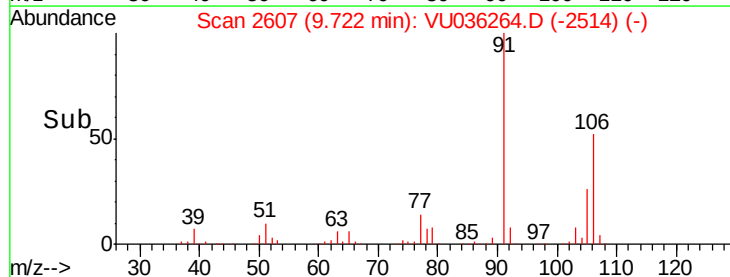
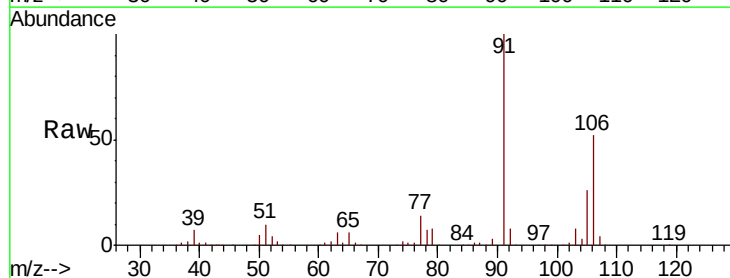
Acq: 18 Dec 2019 09:49

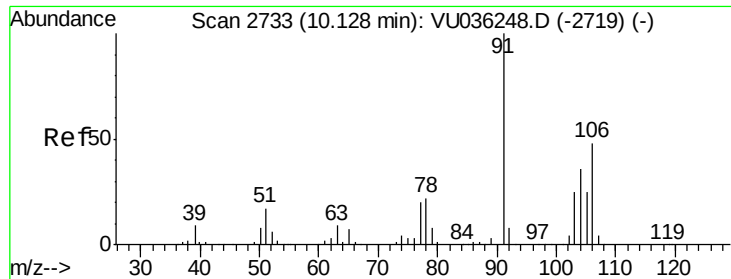
Tgt Ion: 106 Resp: 170748

Ion Ratio Lower Upper

106 100

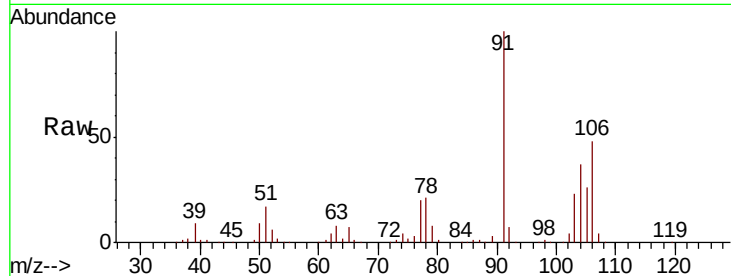
91 192.3 138.7 257.7



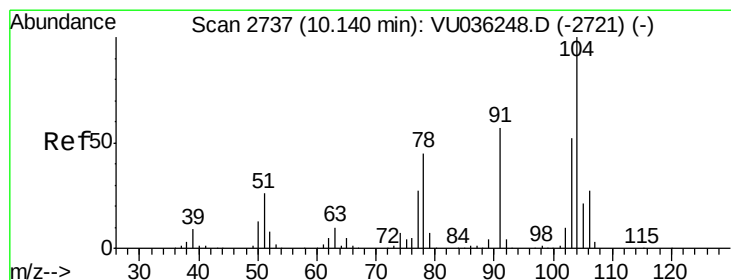
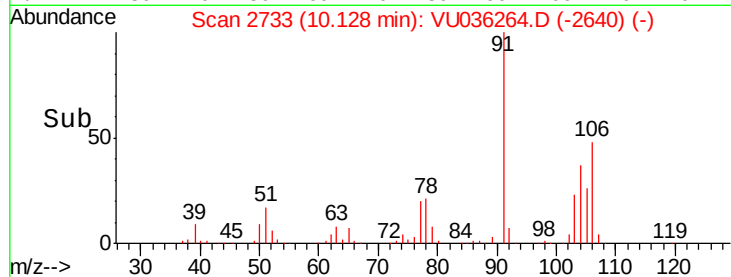
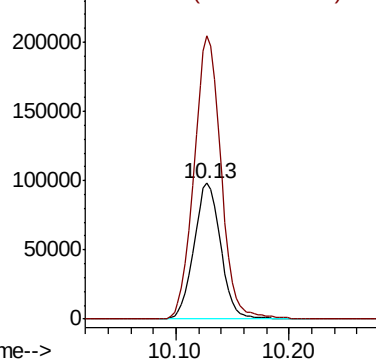


#54
o-Xylene
Concen: 4.802 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036264.D
Acq: 18 Dec 2019 09:49

Tot Ion:106 Resp: 161613
Ion Ratio Lower Upper
106 100
91 208.2 152.8 283.8

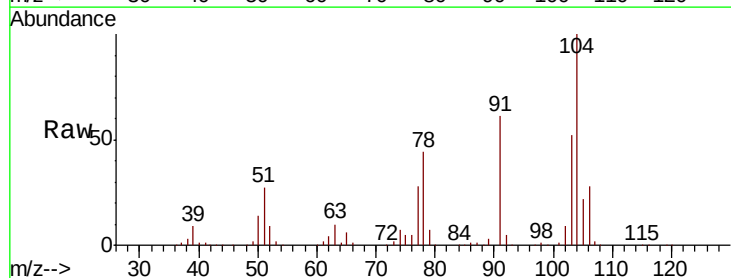


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

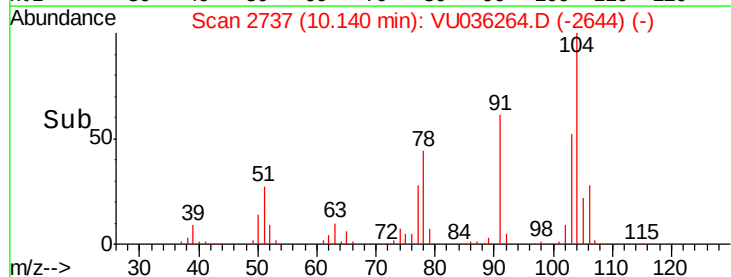
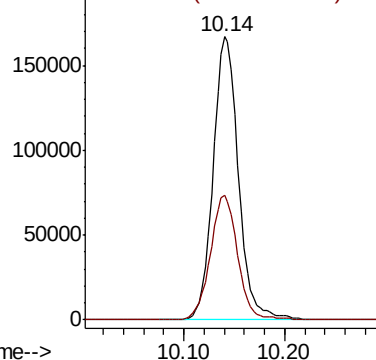


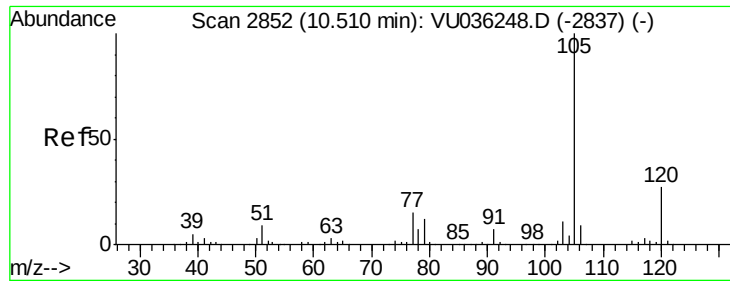
#55
Styrene
Concen: 4.845 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036264.D
Acq: 18 Dec 2019 09:49

Tgt Ion:104 Resp: 288597
Ion Ratio Lower Upper
104 100
78 44.2 32.1 59.5



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.797 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

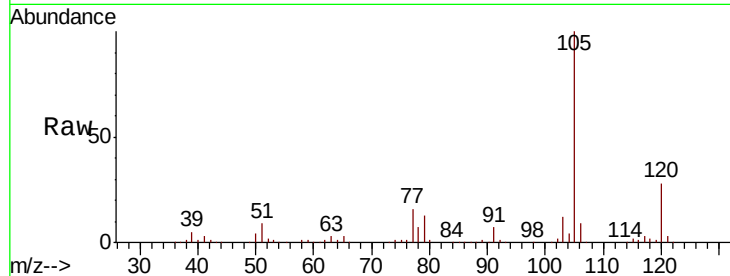
Tot Ion:105 Resp: 414596

Ion Ratio Lower Upper

105 100

120 27.3 21.0 31.6

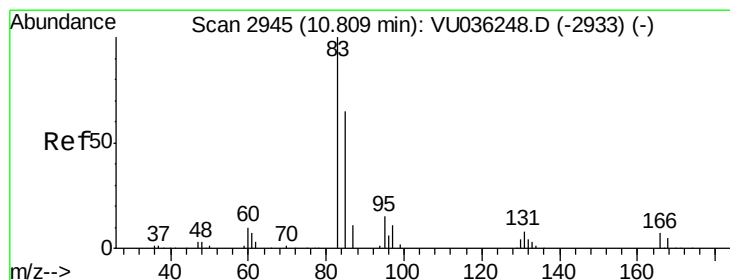
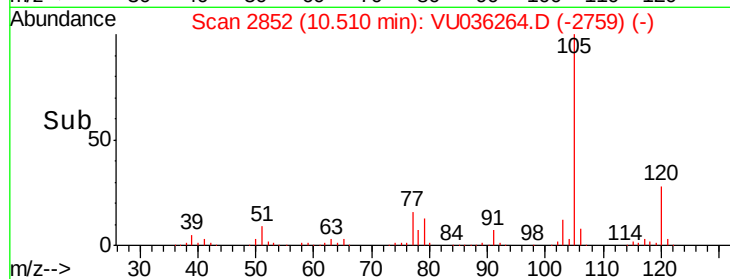
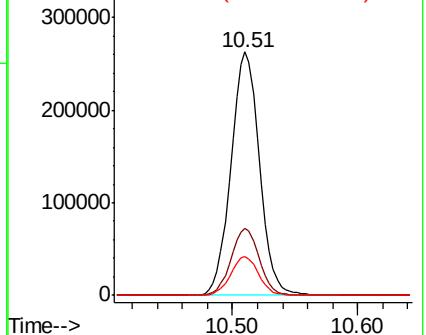
77 15.8 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.962 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

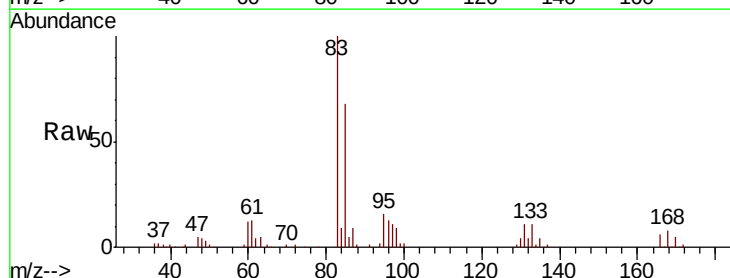
Tgt Ion: 83 Resp: 101605

Ion Ratio Lower Upper

83 100

85 67.7 45.6 84.8

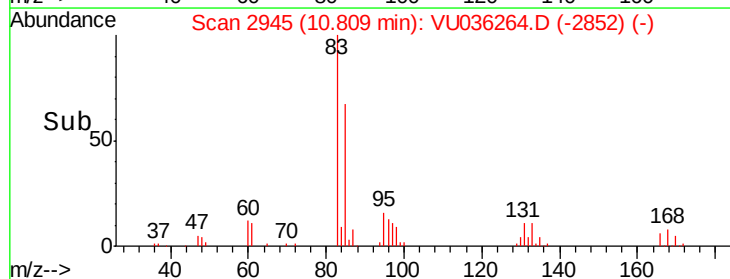
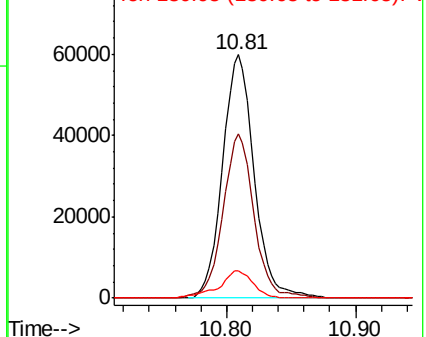
131 11.3 8.5 12.7

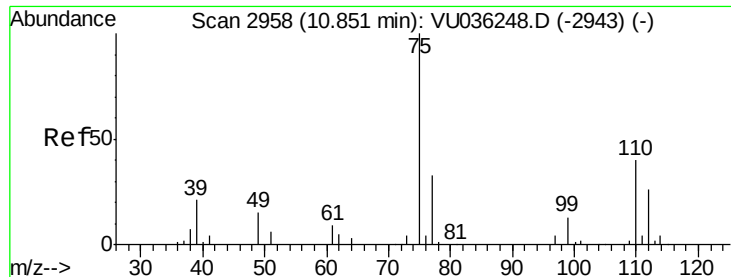


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

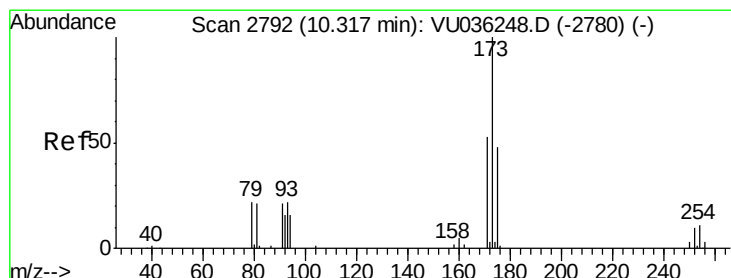
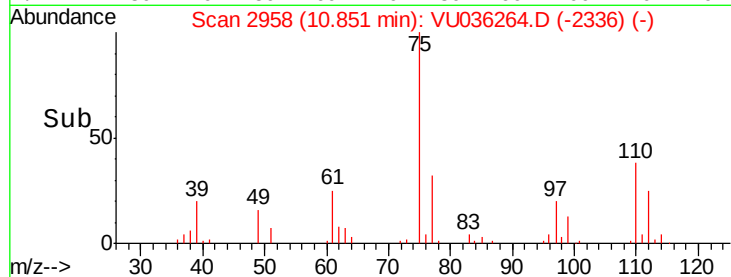
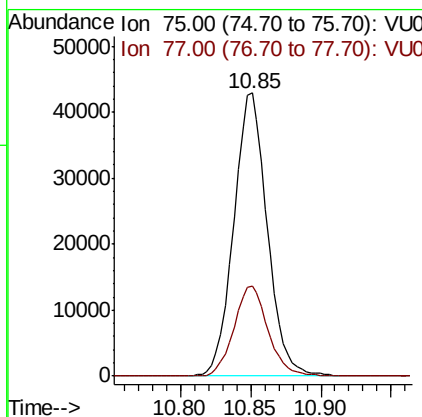
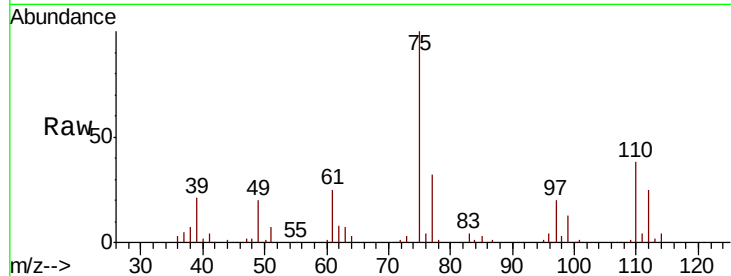
Ion 130.95 (130.65 to 131.65): V





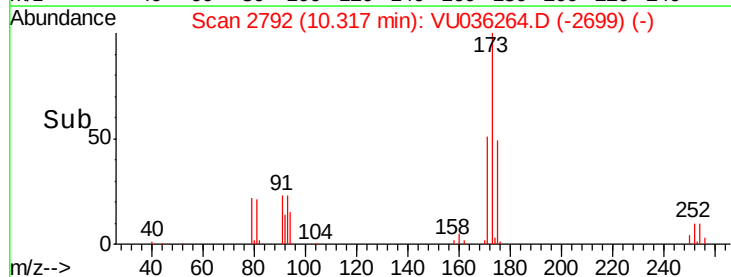
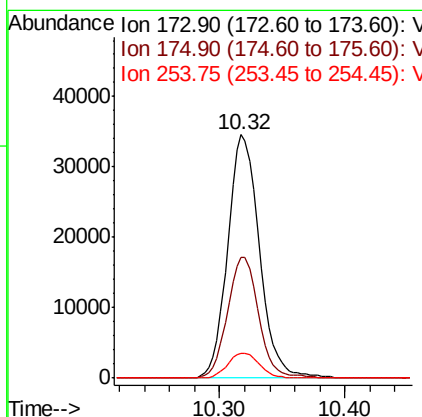
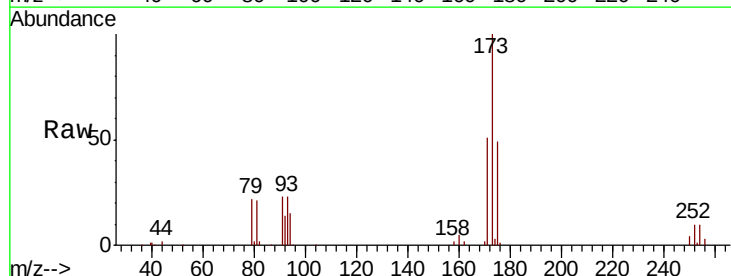
#59
 1,2,3-Trichloropropane
 Concen: 4.996 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. -0.00 min
 Lab File: VU036264.D
 Acq: 18 Dec 2019 09:49

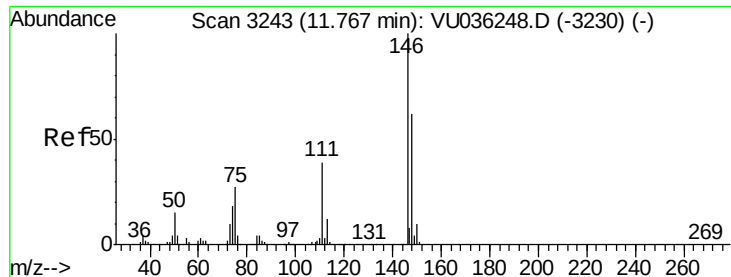
Tot Ion: 75 Resp: 71267
 Ion Ratio Lower Upper
 75 100
 77 32.3 27.2 40.8



#61
 Bromoform
 Concen: 5.089 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VU036264.D
 Acq: 18 Dec 2019 09:49

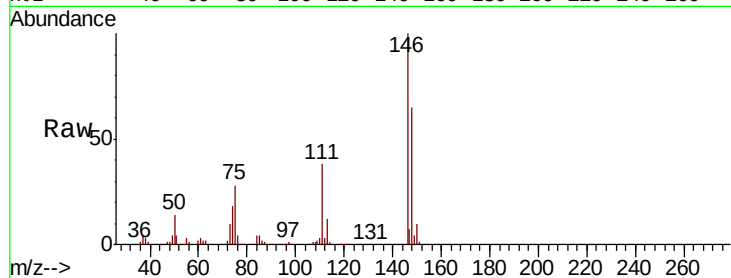
Tgt Ion: 173 Resp: 60782
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.2 58.8
 254 10.2 7.8 11.6



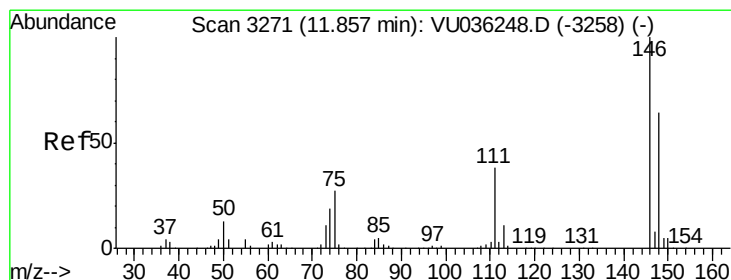
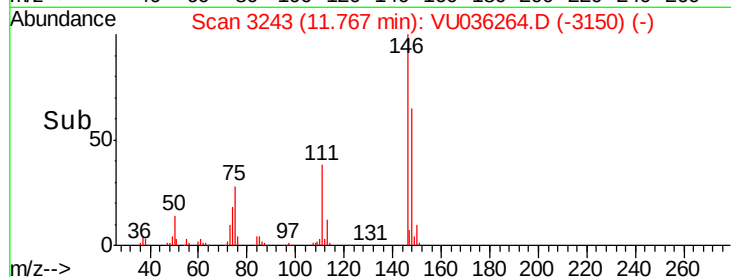
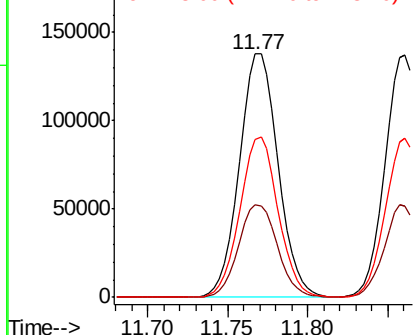


#62
 1,3-Dichlorobenzene
 Concen: 4.885 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036264.D
 Acq: 18 Dec 2019 09:49

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	26.3	48.9
148	65.0	45.1	83.9

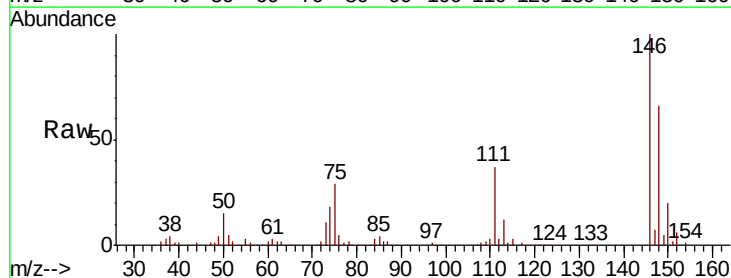


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

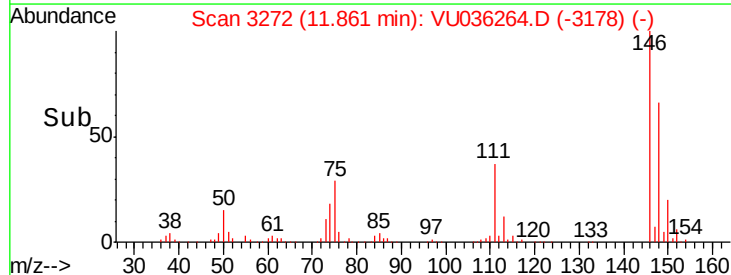
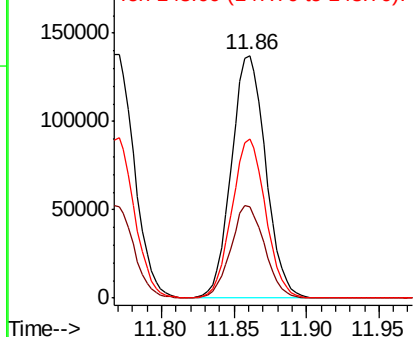


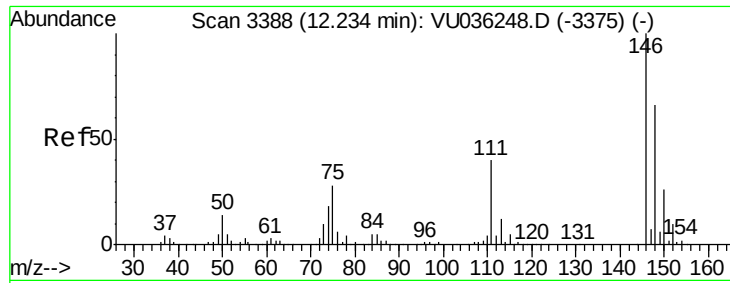
#63
 1,4-Dichlorobenzene
 Concen: 4.898 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VU036264.D
 Acq: 18 Dec 2019 09:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	25.8	48.0
148	65.9	44.7	82.9



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.761 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

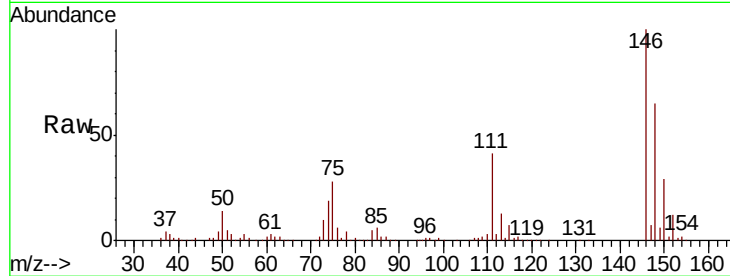
Tot Ion:146 Resp: 210561

Ion Ratio Lower Upper

146 100

111 41.1 32.5 48.7

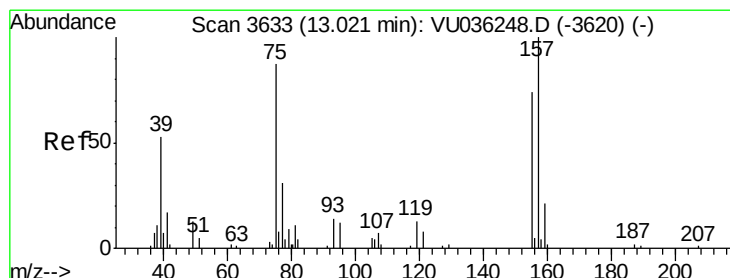
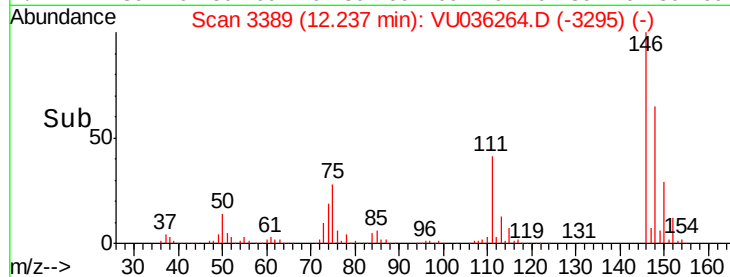
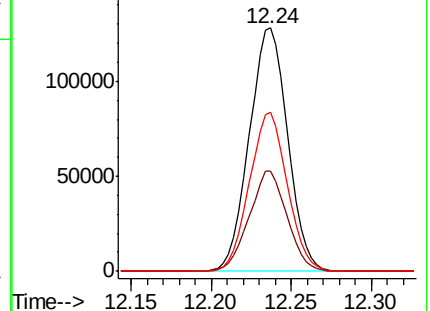
148 65.3 49.2 73.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.936 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

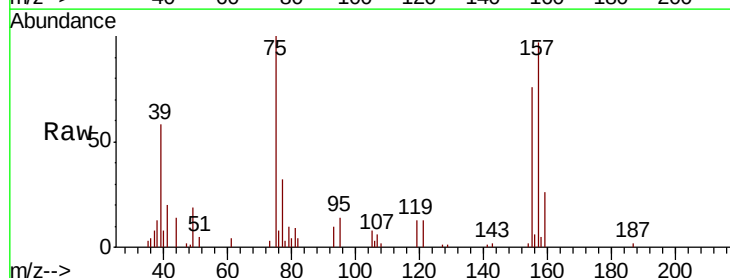
Tgt Ion: 75 Resp: 14500

Ion Ratio Lower Upper

75 100

155 75.7 61.9 92.9

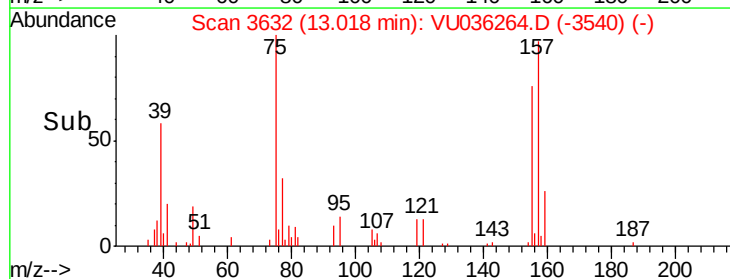
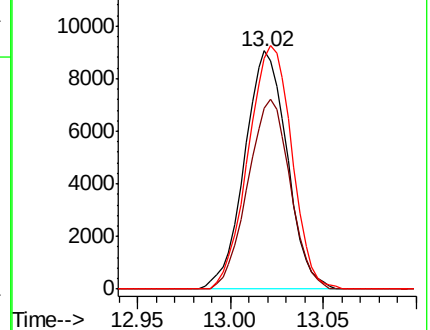
157 96.9 84.9 127.3

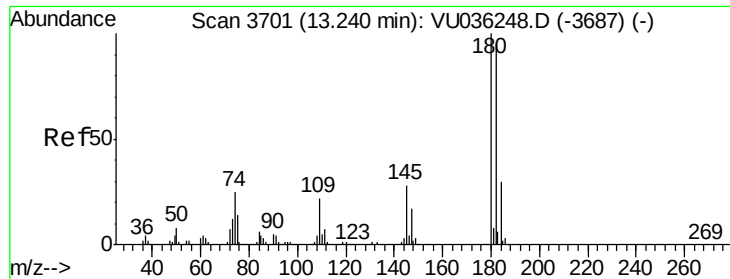


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

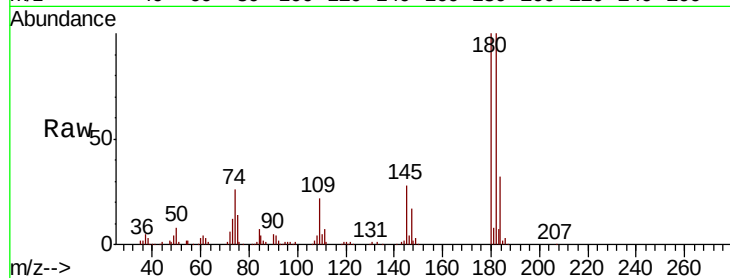
Ion 156.90 (156.60 to 157.60): V



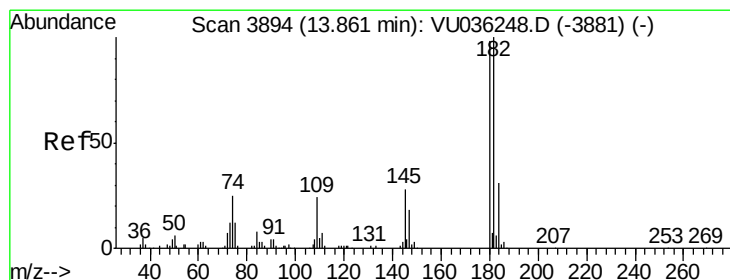
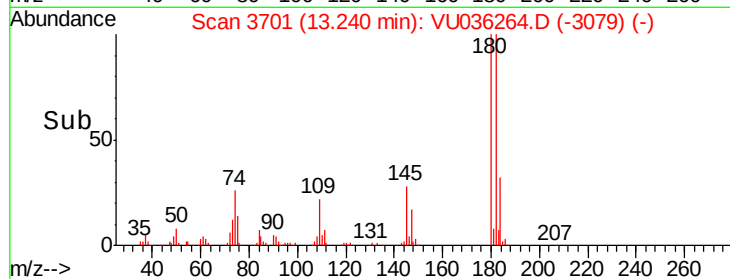
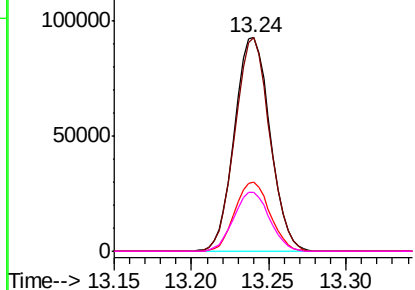


#67
 1,3,5-Trichlorobenzene
 Concen: 4.254 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU036264.D
 Acq: 18 Dec 2019 09:49

Tot Ion:	180	Resp:	147978
Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.9	115.3
184	31.8	24.2	36.4
145	27.7	22.0	33.0

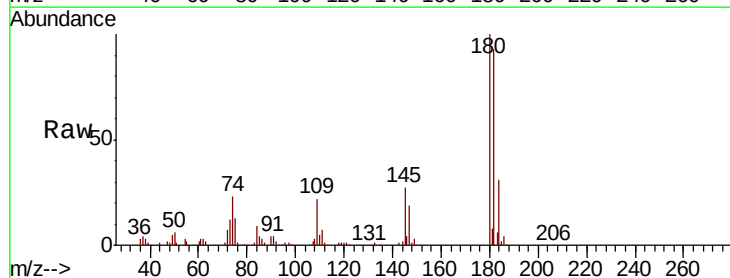


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

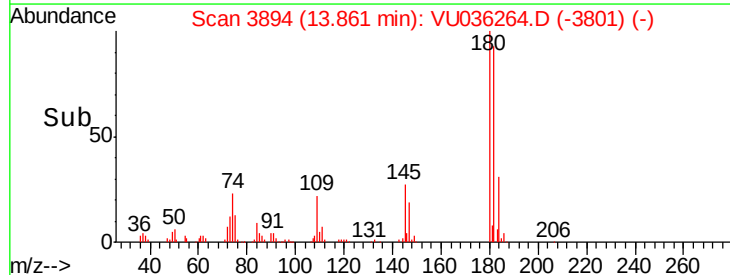
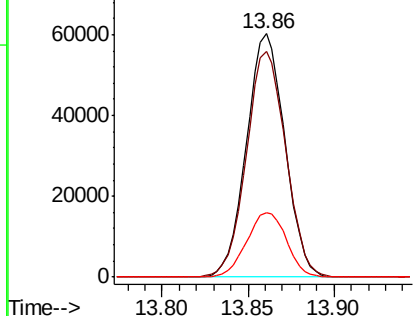


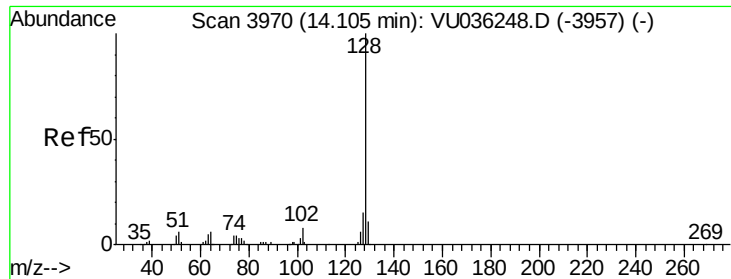
#68
 1,2,4-trichlorobenzene
 Concen: 4.082 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU036264.D
 Acq: 18 Dec 2019 09:49

Tgt Ion:	180	Resp:	93284
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.3	112.9
145	27.5	22.7	34.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.965 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

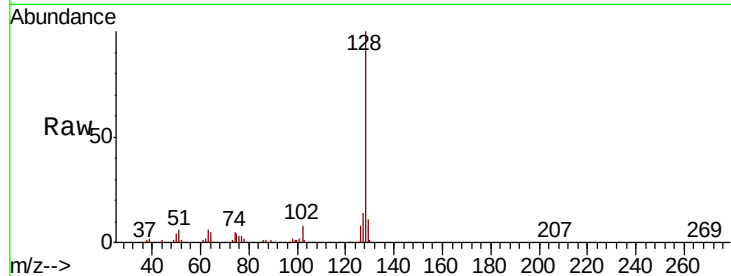
Tot Ion:128 Resp: 115271

Ion Ratio Lower Upper

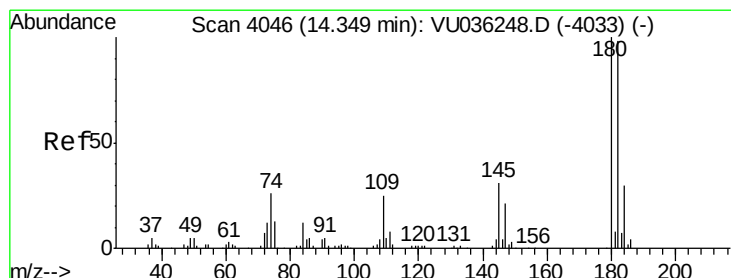
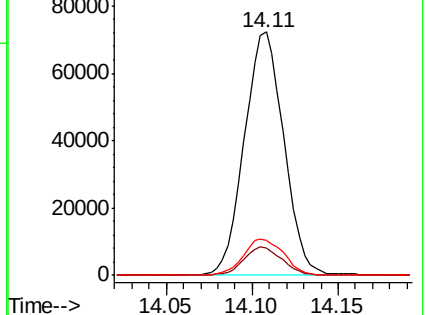
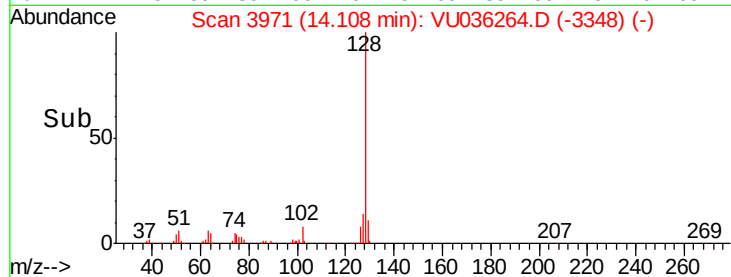
128 100

129 11.3 8.4 12.6

127 15.3 11.5 17.3



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



#70

1,2,3-Trichlorobenzene

Concen: 4.207 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU036264.D

Acq: 18 Dec 2019 09:49

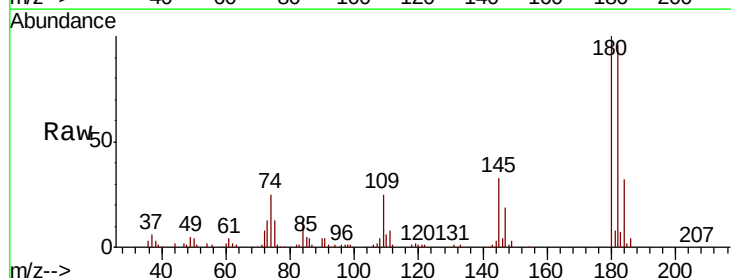
Tgt Ion:180 Resp: 92974

Ion Ratio Lower Upper

180 100

182 95.3 77.0 115.6

145 31.2 24.9 37.3



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

