

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081419\
 Data File : VU033798.D
 Acq On : 14 Aug 2019 13:43
 Operator : JC/SP
 Sample : MDL01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 16 12:35:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 15 14:46:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	190363	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	190362	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	89938	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	88902	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.67	69	74199	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.26	65	41992	4.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.80%
20) 2-Butanone-d5	4.19	46	195001	46.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.68%
24) Chloroform-d	4.62	84	135700	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
26) 1,2-Dichloroethane-d4	5.29	65	73978	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
32) Benzene-d6	5.32	84	263479	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.31	67	85328	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.55	98	226622	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
43) trans-1,3-Dichloropropene-	7.84	79	32582	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.30	63	136686	46.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.46%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	70558	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
66) 1,2-Dichlorobenzene-d4	11.85	152	88392	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	7019	0.254 ug/L	96
3) Chloromethane	1.32	50	7149	0.250 ug/L	98
5) Vinyl chloride	1.39	62	8190	0.262 ug/L #	74
6) Bromomethane	1.62	94	4681	0.258 ug/L	95
8) Chloroethane	1.69	64	4918	0.267 ug/L	94
9) Trichlorofluoromethane	1.87	101	10334	0.242 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	7003	0.309 ug/L	93
12) 1,1-Dichloroethene	2.27	96	6776	0.309 ug/L #	1
13) Acetone	2.35	43	12912m	2.910 ug/L	
14) Carbon disulfide	2.46	76	19754	0.265 ug/L	97
15) Methyl Acetate	2.61	43	2979	0.258 ug/L	92
16) Methylene chloride	2.68	84	8647	0.338 ug/L	96
17) Methyl tert-butyl Ether	2.98	73	13888	0.245 ug/L	98
18) trans-1,2-Dichloroethene	2.96	96	6333	0.269 ug/L	99
19) 1,1-Dichloroethane	3.42	63	9081	0.247 ug/L	94
21) 2-Butanone	4.29	43	11188m	2.037 ug/L	
22) cis-1,2-Dichloroethene	4.20	96	4972	0.247 ug/L	98

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QLast Update : Thu Aug 15 14:46:32 2019

Response via : Initial Calibration

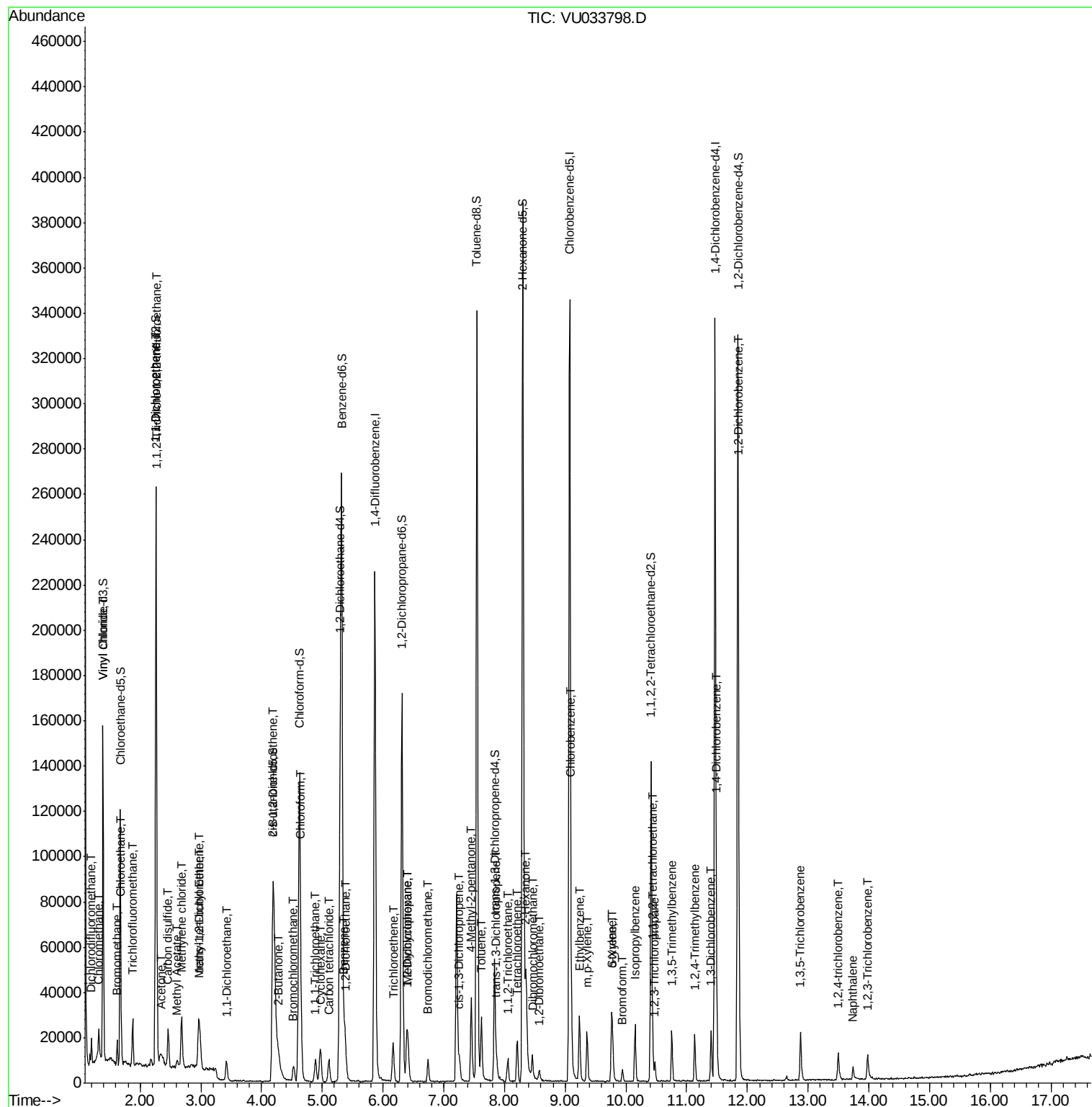
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

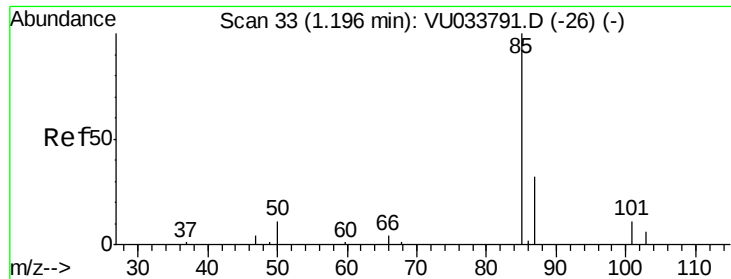
23) Bromochloromethane	4.53	128	2380	0.247	ug/L	78
25) Chloroform	4.65	83	13928	0.351	ug/L	98
27) 1,2-Dichloroethane	5.39	62	5757	0.236	ug/L #	95
29) 1,1,1-Trichloroethane	4.89	97	7906	0.255	ug/L	94
30) Cyclohexane	4.97	56	7306	0.261	ug/L	89
31) Carbon tetrachloride	5.11	117	6872	0.249	ug/L	99
33) Benzene	5.37	78	20763	0.273	ug/L	100
34) Trichloroethene	6.17	95	5291	0.265	ug/L	94
35) Methylcyclohexane	6.39	83	7147	0.239	ug/L	97
37) 1,2-Dichloropropane	6.41	63	5304	0.258	ug/L #	94
38) Bromodichloromethane	6.74	83	6779	0.261	ug/L #	92
39) cis-1,3-Dichloropropene	7.25	75	6987	0.252	ug/L	95
40) 4-Methyl-2-pentanone	7.45	43	26424	2.222	ug/L #	87
42) Toluene	7.62	91	19821	0.248	ug/L	95
44) trans-1,3-Dichloropropene	7.87	75	5573m	0.240	ug/L	
45) 1,1,2-Trichloroethane	8.05	97	3423	0.233	ug/L	94
47) Tetrachloroethene	8.21	164	4028	0.242	ug/L	95
48) 2-Hexanone	8.35	43	26888	3.127	ug/L	99
49) Dibromochloromethane	8.46	129	4558	0.256	ug/L	89
50) 1,2-Dibromoethane	8.57	107	3412	0.240	ug/L #	89
51) Chlorobenzene	9.10	112	13792	0.268	ug/L	94
52) Ethylbenzene	9.23	91	19545	0.236	ug/L	97
53) m,p-Xylene	9.36	106	6482	0.208	ug/L	80
54) o-Xylene	9.77	106	5867	0.198	ug/L	89
55) Styrene	9.78	104	9626	0.187	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.44	83	4903	0.254	ug/L	87
59) Isopropylbenzene	10.15	105	15788	0.230	ug/L	96
60) Bromoform	9.95	173	2595	0.282	ug/L #	94
61) 1,2,3-Trichloropropane	10.48	75	3252	0.272	ug/L	97
62) 1,3,5-Trimethylbenzene	10.76	105	11898	0.214	ug/L	95
63) 1,2,4-Trimethylbenzene	11.13	105	10928	0.197	ug/L	94
64) 1,3-Dichlorobenzene	11.40	146	9792	0.267	ug/L	97
65) 1,4-Dichlorobenzene	11.49	146	10536	0.279	ug/L	95
67) 1,2-Dichlorobenzene	11.86	146	9646	0.272	ug/L	94
69) 1,3,5-Trichlorobenzene	12.88	180	8127	0.282	ug/L	97
70) 1,2,4-trichlorobenzene	13.49	180	5467	0.244	ug/L #	87
71) Naphthalene	13.74	128	7838m	0.227	ug/L	
72) 1,2,3-Trichlorobenzene	13.98	180	5570	0.263	ug/L	88

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

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#2

Dichlorodifluoromethane

Concen: 0.254 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033798.D

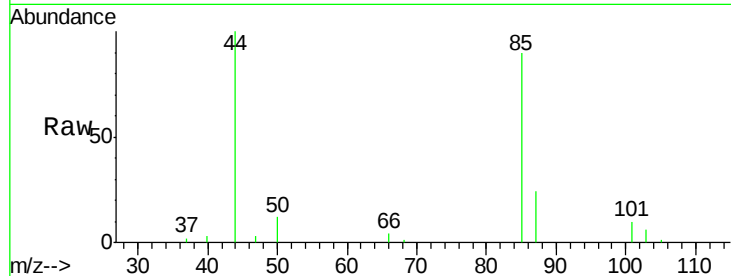
Acq: 14 Aug 2019 13:43

Tot Ion: 85 Resp: 7019

Ion Ratio Lower Upper

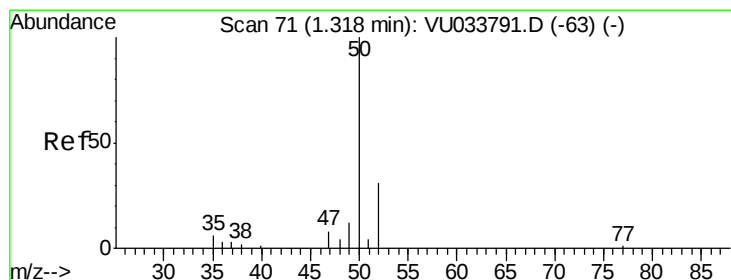
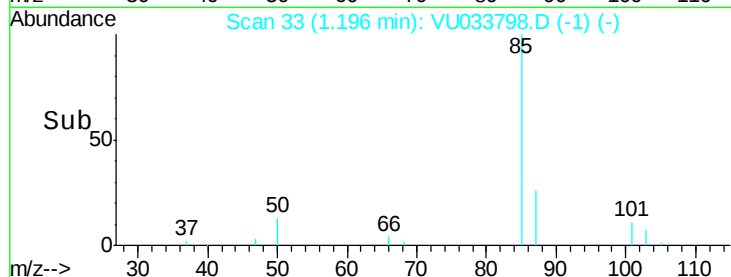
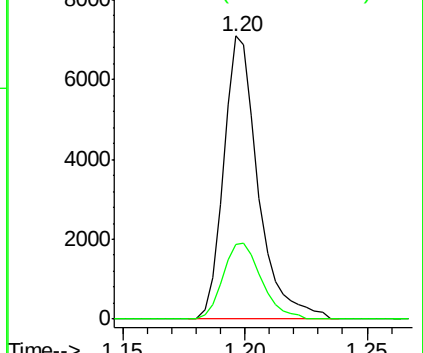
85 100

87 29.9 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.250 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033798.D

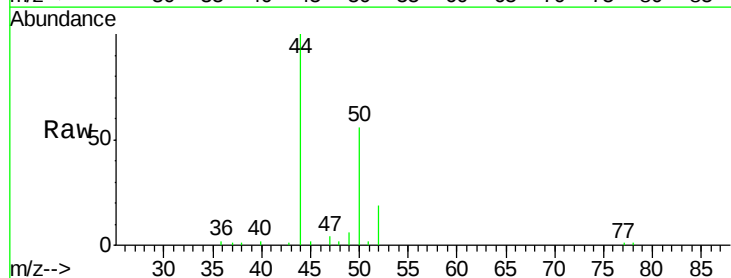
Acq: 14 Aug 2019 13:43

Tgt Ion: 50 Resp: 7149

Ion Ratio Lower Upper

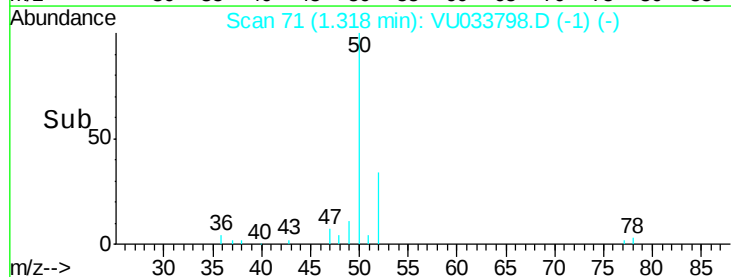
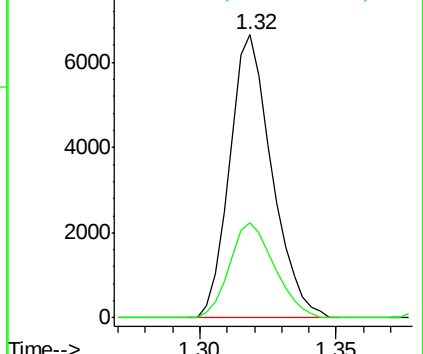
50 100

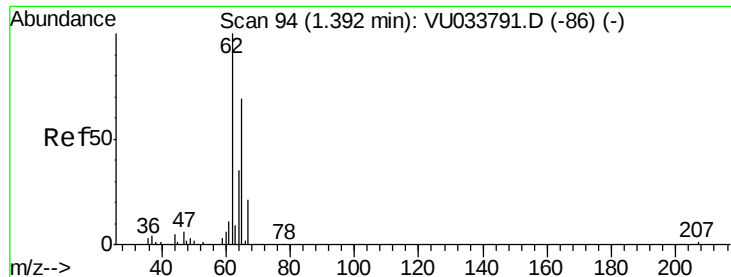
52 33.8 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 0.262 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033798.D

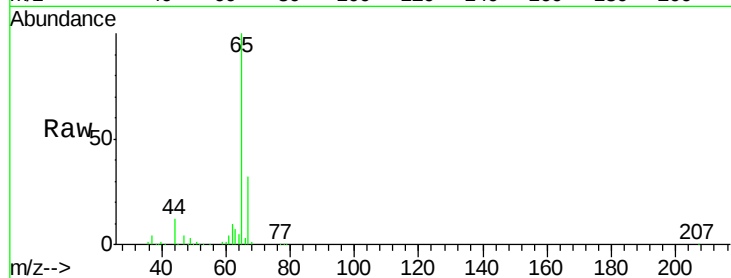
Acq: 14 Aug 2019 13:43

Tot Ion: 62 Resp: 8190

Ion Ratio Lower Upper

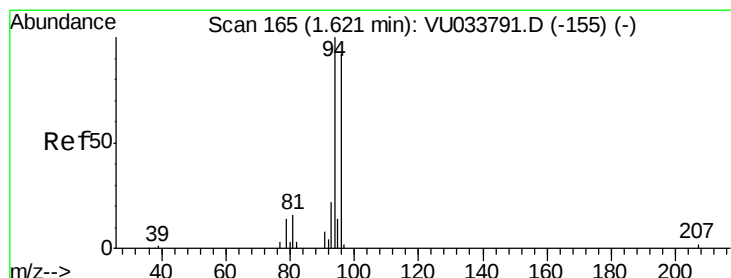
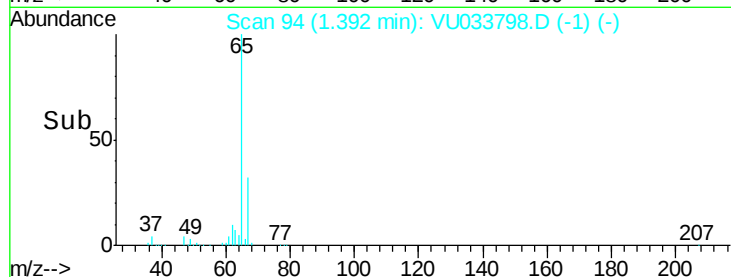
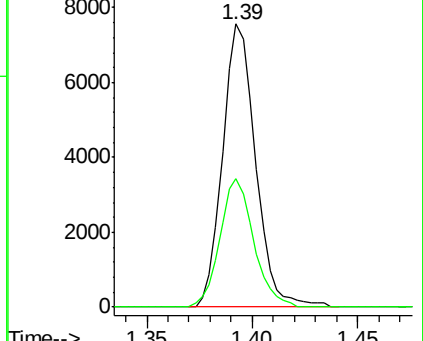
62 100

64 45.4 21.9 40.7#



Abundance Ion 62.00 (61.70 to 62.70): VU033798.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033798.D (-86) (-)



#6

Bromomethane

Concen: 0.258 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033798.D

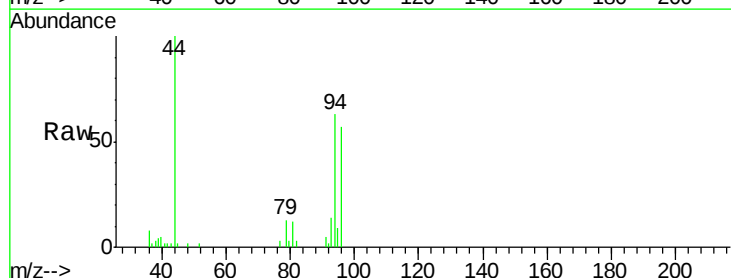
Acq: 14 Aug 2019 13:43

Tgt Ion: 94 Resp: 4681

Ion Ratio Lower Upper

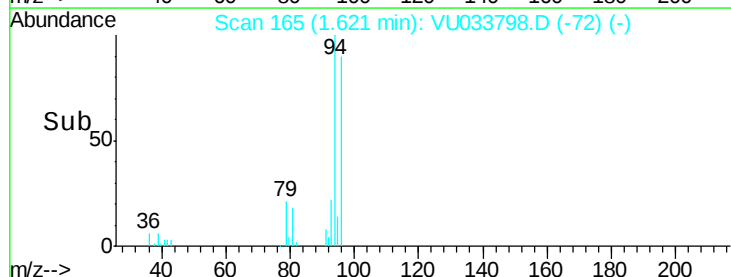
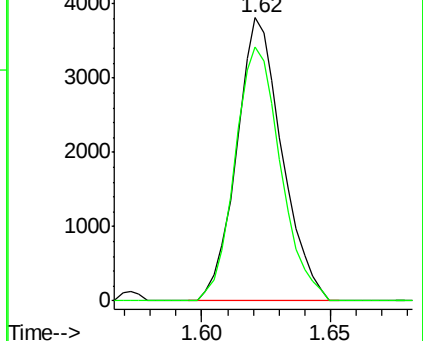
94 100

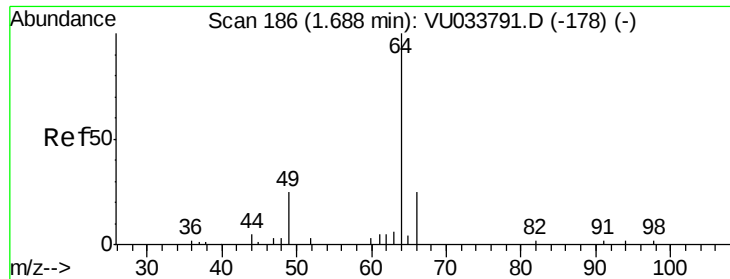
96 89.7 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU033798.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU033798.D (-155) (-)





#8

Chloroethane

Concen: 0.267 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033798.D

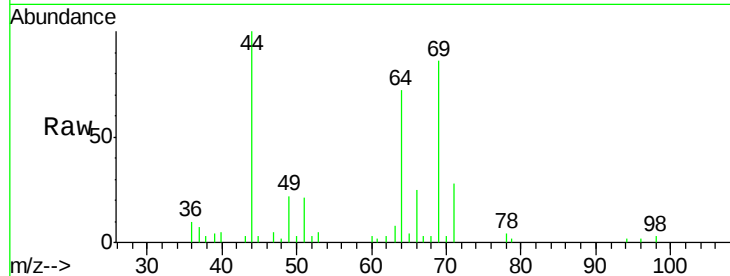
Acq: 14 Aug 2019 13:43

Tot Ion: 64 Resp: 4918

Ion Ratio Lower Upper

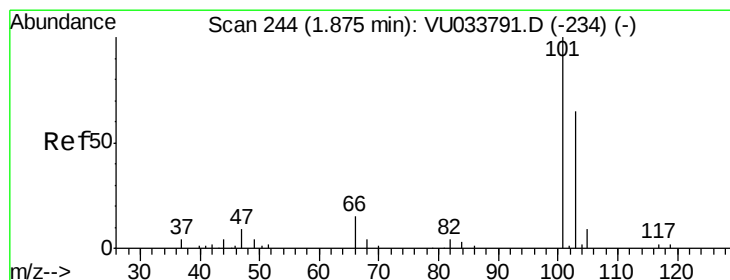
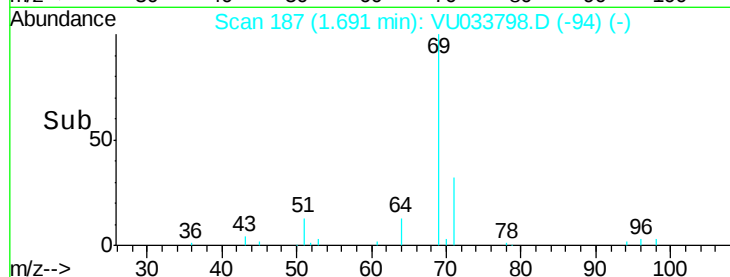
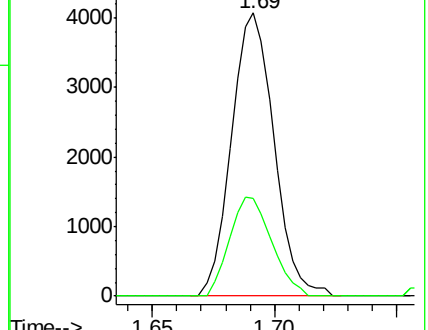
64 100

66 34.6 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU033798.D (-187) (-)

Ion 66.00 (65.70 to 66.70): VU033798.D (-187) (-)



#9

Trichlorofluoromethane

Concen: 0.242 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033798.D

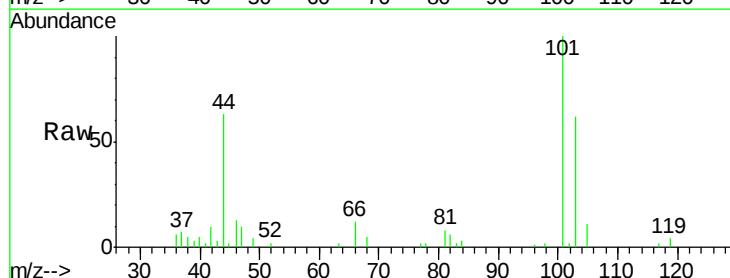
Acq: 14 Aug 2019 13:43

Tgt Ion:101 Resp: 10334

Ion Ratio Lower Upper

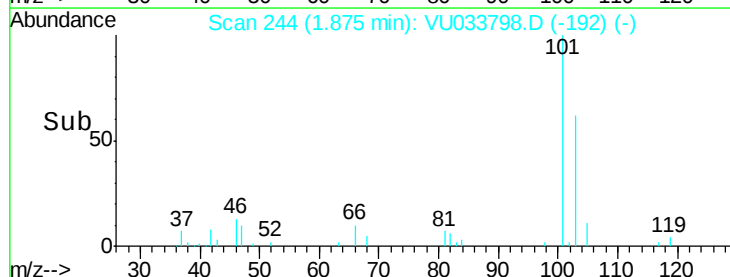
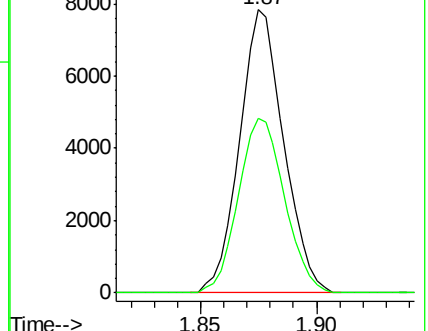
101 100

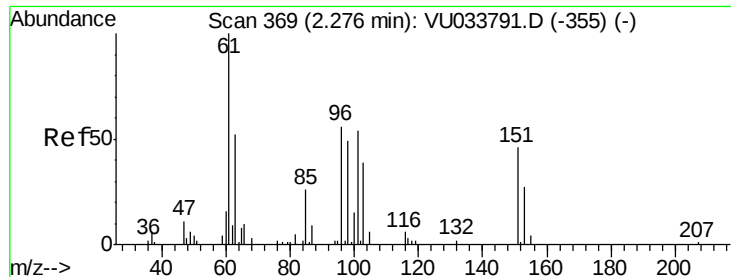
103 64.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU033798.D (-192) (-)

Ion 103.00 (102.70 to 103.70): VU033798.D (-192) (-)





#10

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

Concen: 0.309 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

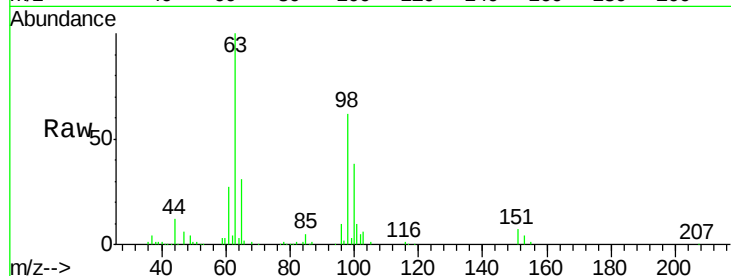
Tot Ion:101 Resp: 7003

Ion Ratio Lower Upper

101 100

85 41.7 36.2 54.2

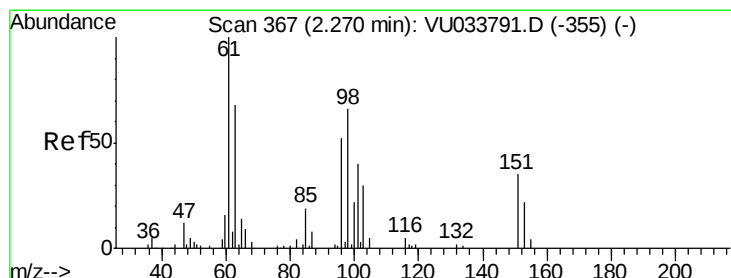
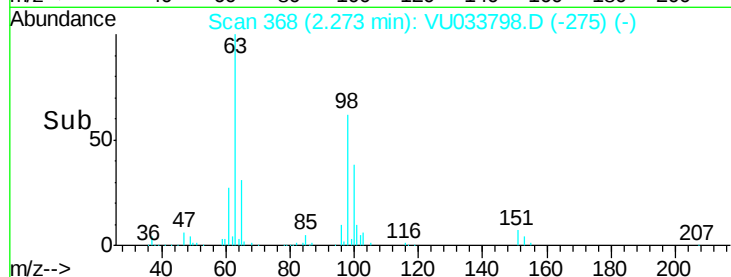
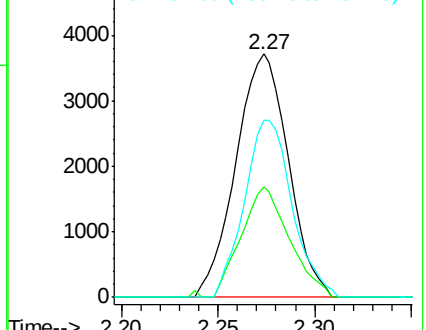
151 66.4 58.7 88.1



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: 0.309 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

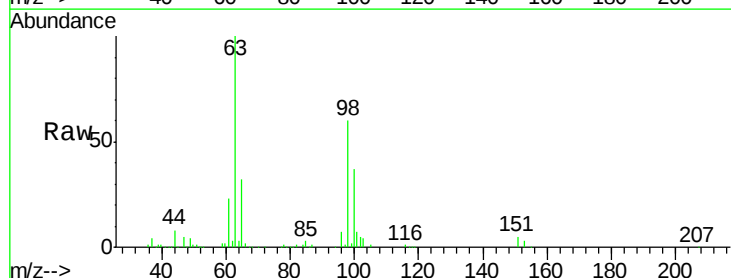
Tgt Ion: 96 Resp: 6776

Ion Ratio Lower Upper

96 100

61 318.5 123.8 230.0#

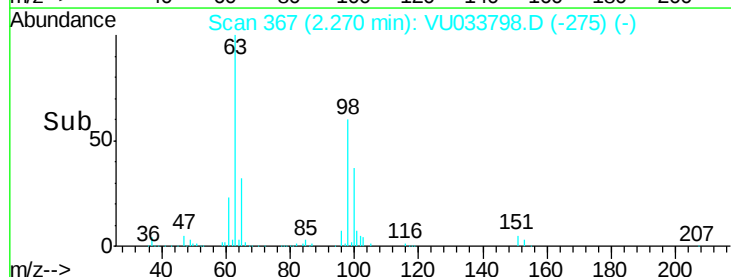
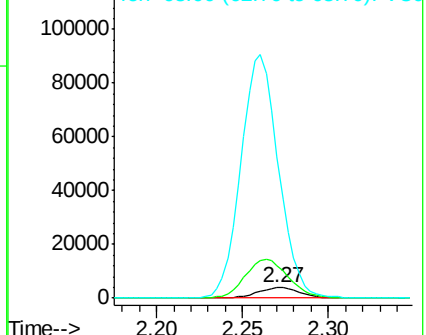
63 1377.5 78.0 144.9#

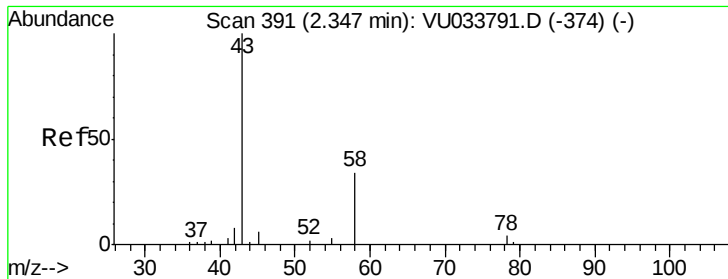


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.910 ug/L m

RT: 2.35 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU033798.D

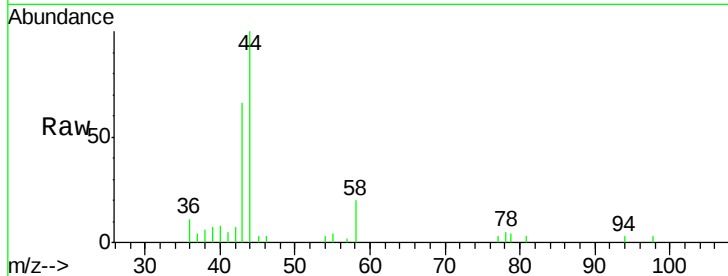
Acq: 14 Aug 2019 13:43

Tot Ion: 43 Resp: 12912

Ion Ratio Lower Upper

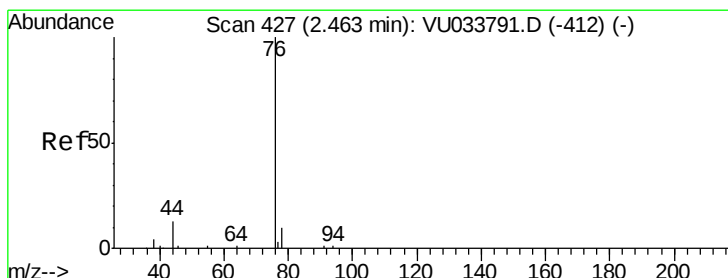
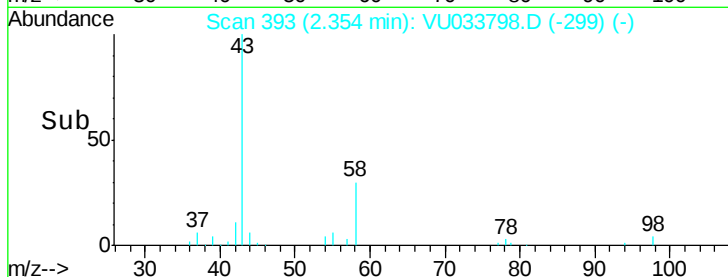
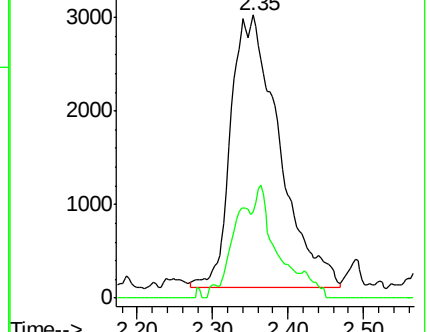
43 100

58 14.6 0.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU033798.D (-374) (-)

Ion 58.00 (57.70 to 58.70): VU033798.D (-374) (-)



#14

Carbon disulfide

Concen: 0.265 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033798.D

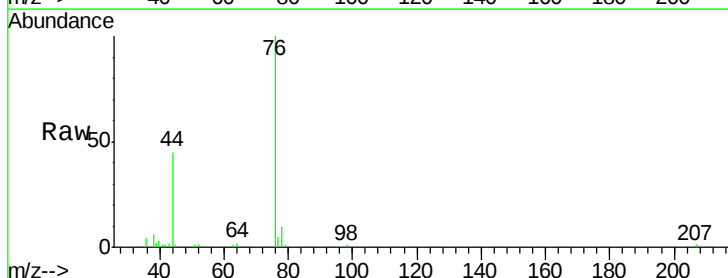
Acq: 14 Aug 2019 13:43

Tgt Ion: 76 Resp: 19754

Ion Ratio Lower Upper

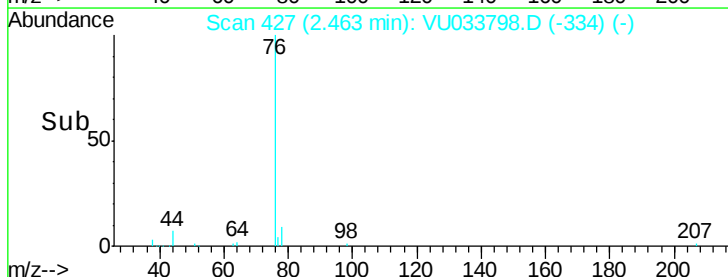
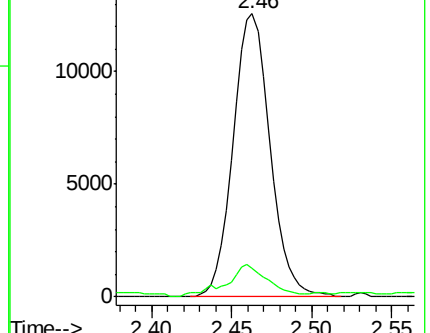
76 100

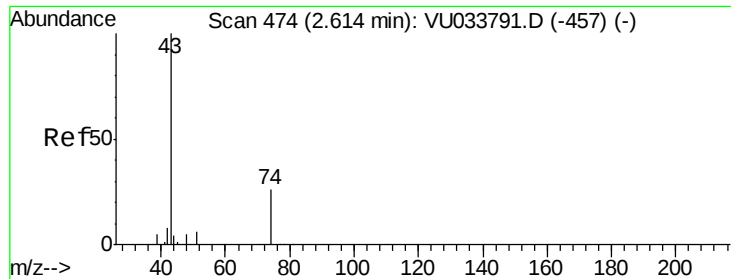
78 10.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU033798.D (-412) (-)

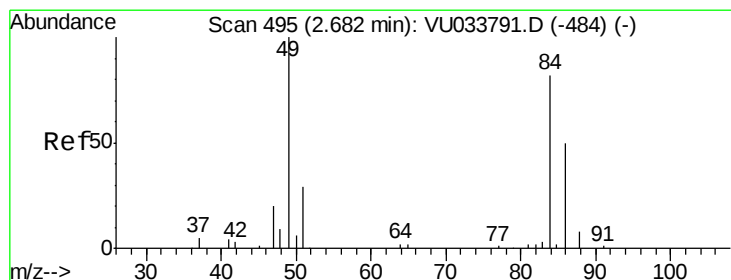
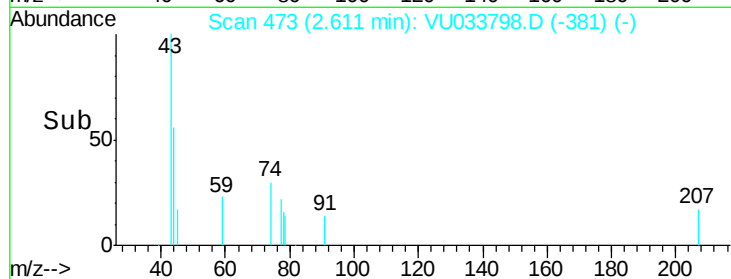
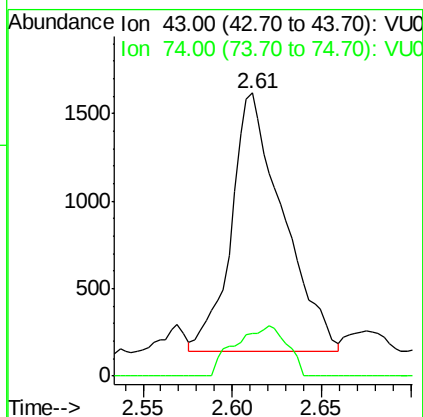
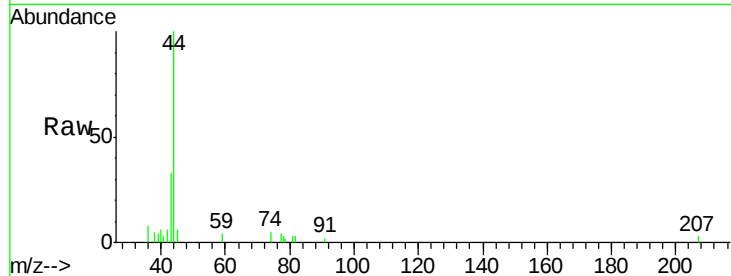
Ion 78.00 (77.70 to 78.70): VU033798.D (-412) (-)





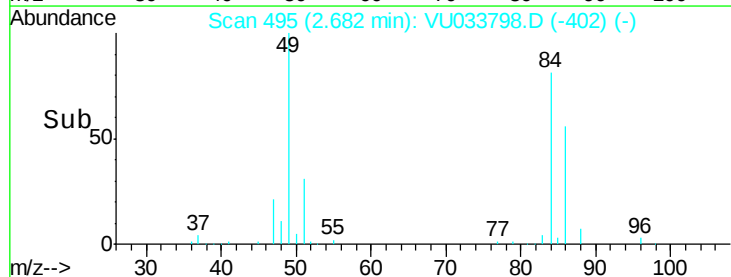
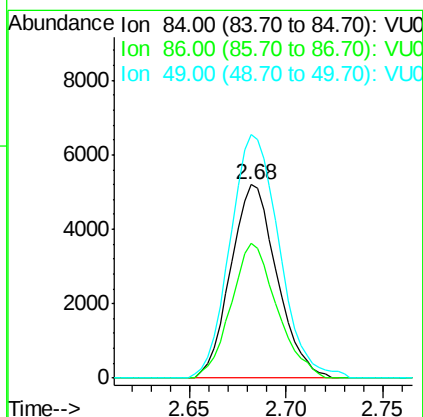
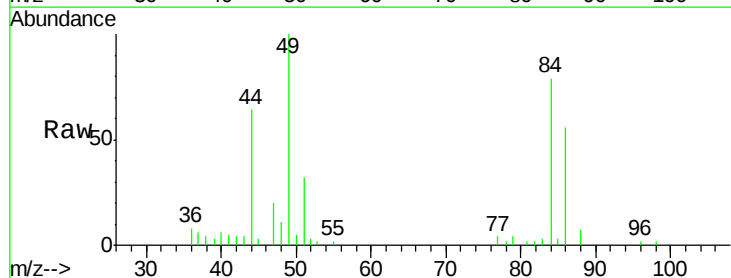
#15
Methyl Acetate
Concen: 0.258 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU033798.D
Acq: 14 Aug 2019 13:43

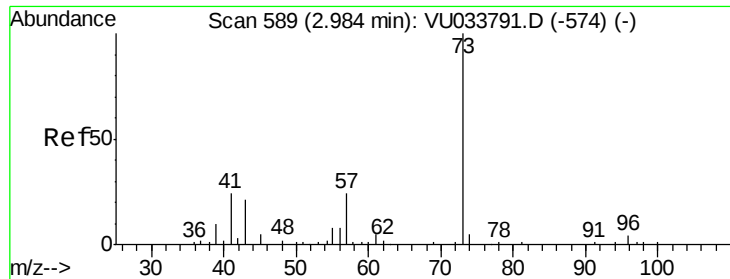
Tot Ion: 43 Resp: 2979
Ion Ratio Lower Upper
43 100
74 19.5 18.8 28.2



#16
Methylene chloride
Concen: 0.338 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033798.D
Acq: 14 Aug 2019 13:43

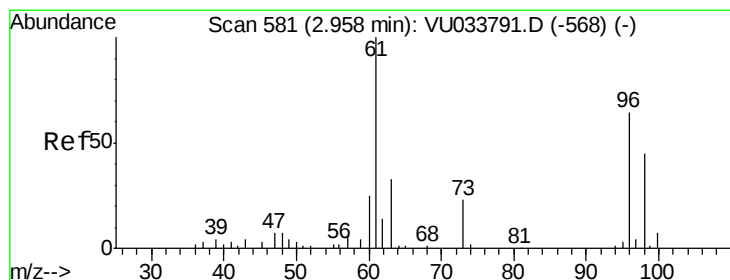
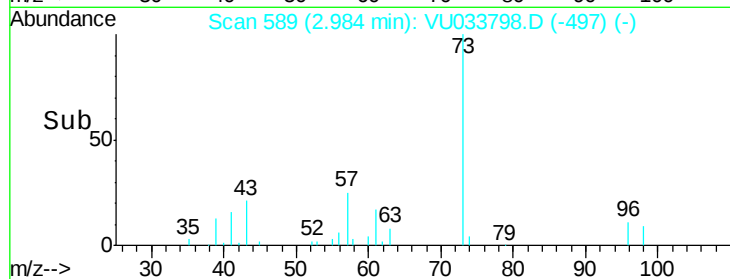
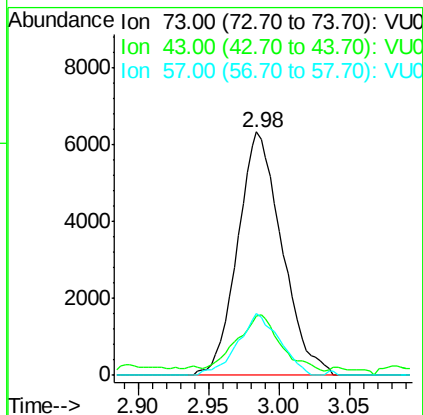
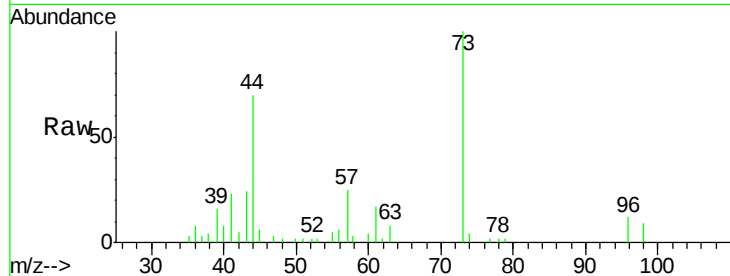
Tgt Ion: 84 Resp: 8647
Ion Ratio Lower Upper
84 100
86 70.1 46.0 85.4
49 126.1 90.4 168.0





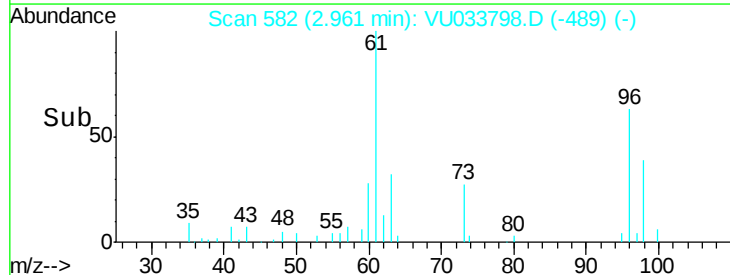
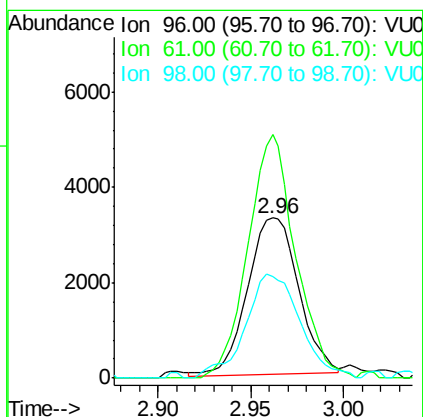
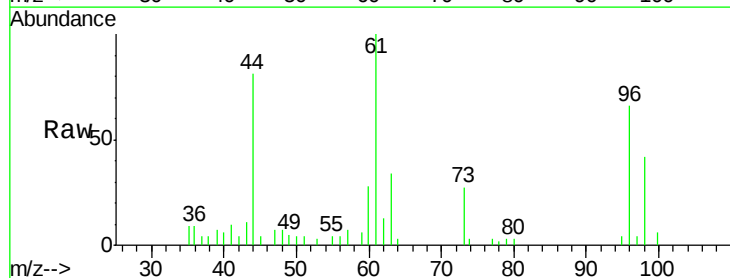
#17
Methvl tert-butvl Ether
Concen: 0.245 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU033798.D
Acq: 14 Aug 2019 13:43

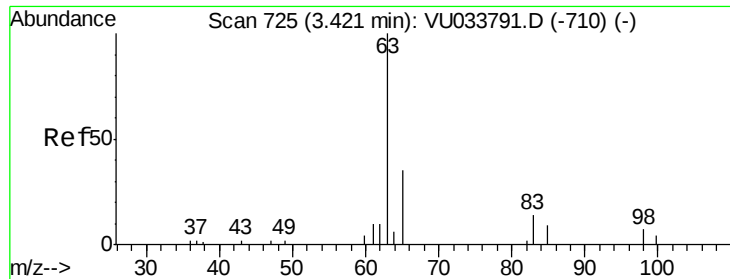
Tot Ion: 73 Resp: 13888
Ion Ratio Lower Upper
73 100
43 22.0 16.2 24.4
57 24.0 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 0.269 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033798.D
Acq: 14 Aug 2019 13:43

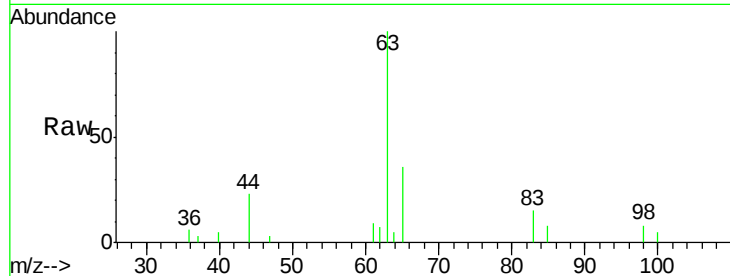
Tgt Ion: 96 Resp: 6333
Ion Ratio Lower Upper
96 100
61 152.1 107.2 199.0
98 63.4 43.0 79.8



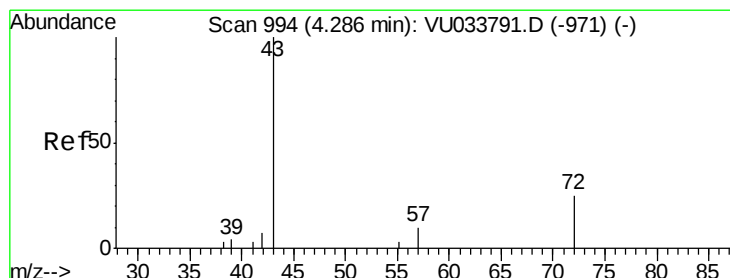
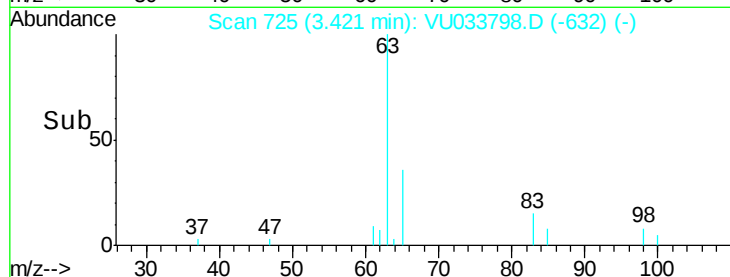
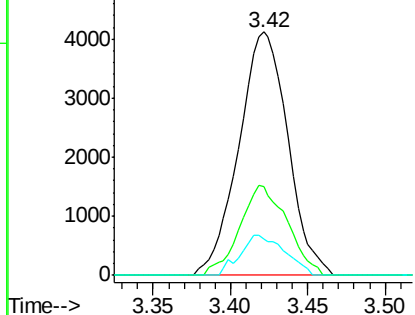


#19
 1,1-Dichloroethane
 Concen: 0.247 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

Tot Ion	63	Resp	9081
Ion	Ratio	Lower	Upper
63	100		
65	36.4	22.4	41.6
83	15.0	9.7	17.9

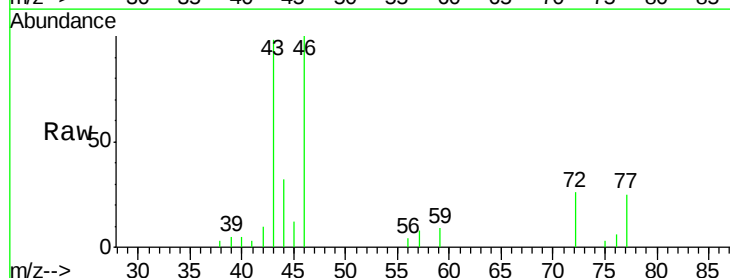


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

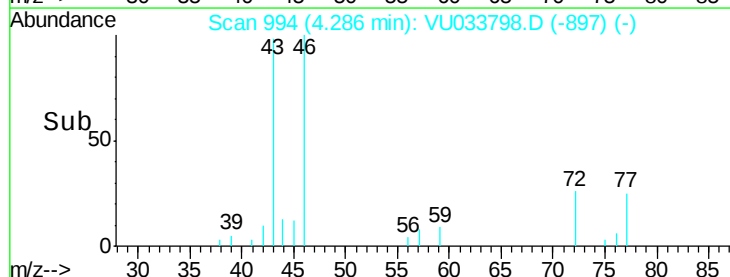
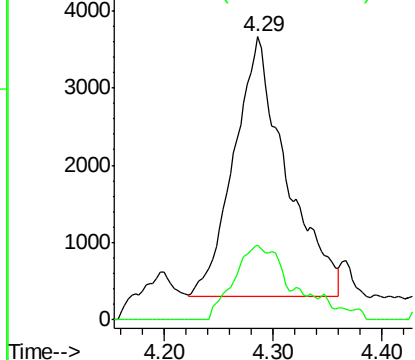


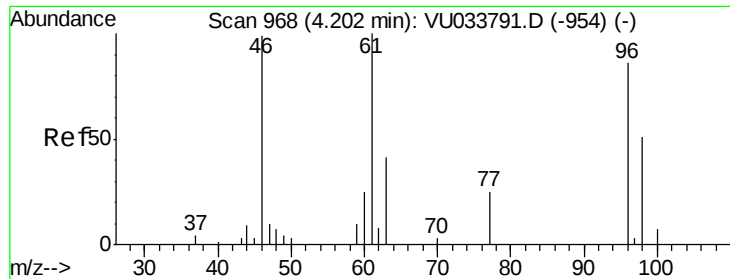
#21
 2-Butanone
 Concen: 2.037 ug/L m
 RT: 4.29 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

Tgt Ion	43	Resp	11188
Ion	Ratio	Lower	Upper
43	100		
72	25.9	13.1	39.1



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.247 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

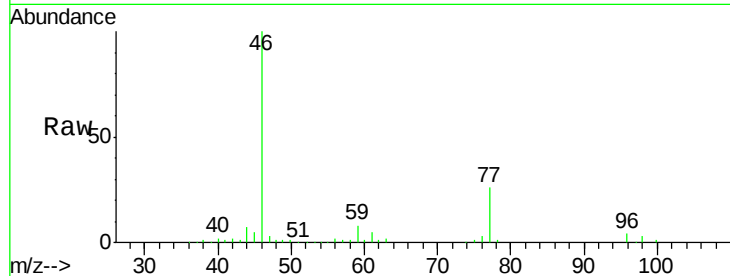
Tot Ion: 96 Resp: 4972

Ion Ratio Lower Upper

96 100

61 128.9 91.7 170.3

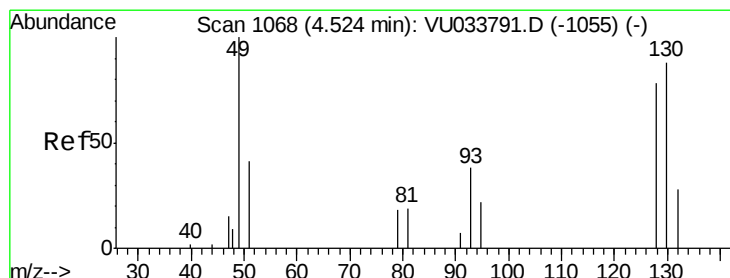
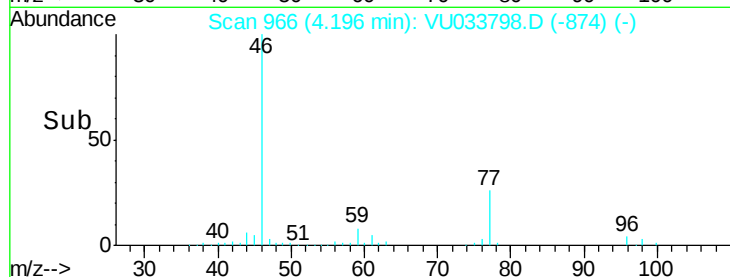
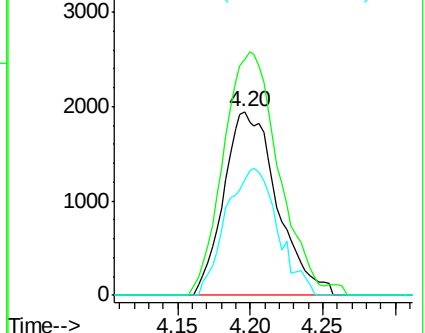
98 63.2 45.1 83.9



Abundance Ion 96.00 (95.70 to 96.70): VU033798.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU033798.D (-954) (-)

Ion 98.00 (97.70 to 98.70): VU033798.D (-954) (-)



#23

Bromochloromethane

Concen: 0.247 ug/L

RT: 4.53 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

Tgt Ion: 128 Resp: 2380

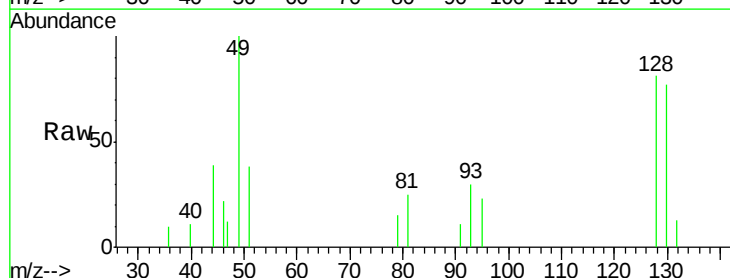
Ion Ratio Lower Upper

128 100

49 123.0 106.8 198.4

130 94.5 88.3 164.1

51 47.0 40.3 60.5

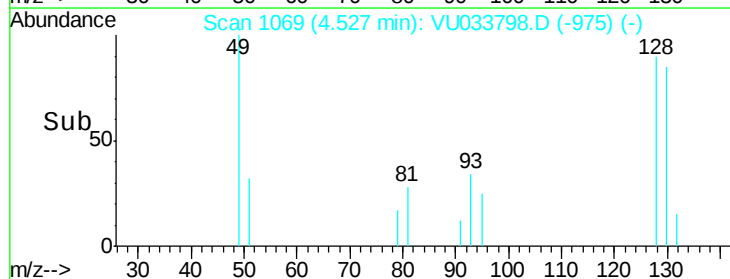
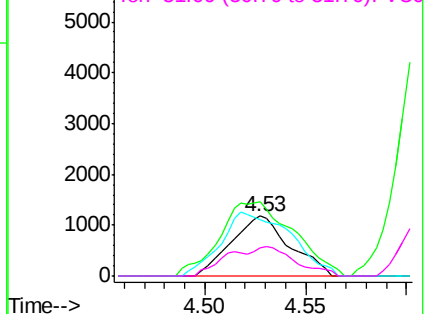


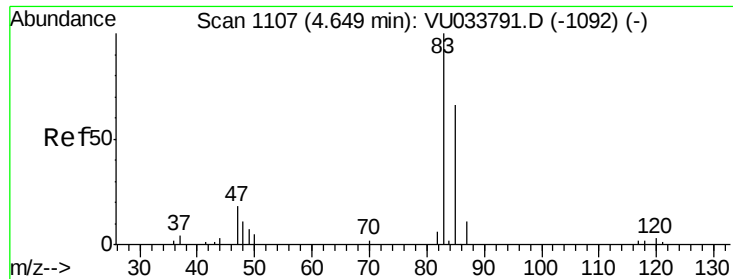
Abundance Ion 128.00 (127.70 to 128.70): VU033798.D (-1055) (-)

Ion 49.00 (48.70 to 49.70): VU033798.D (-1055) (-)

Ion 130.00 (129.70 to 130.70): VU033798.D (-1055) (-)

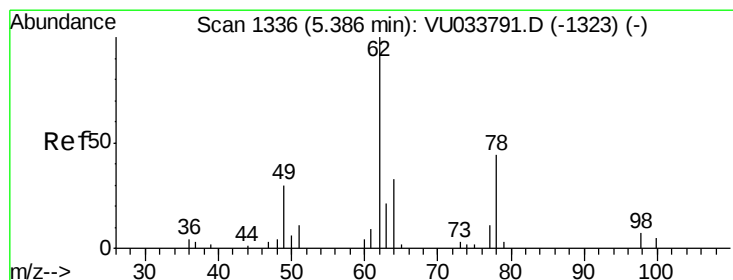
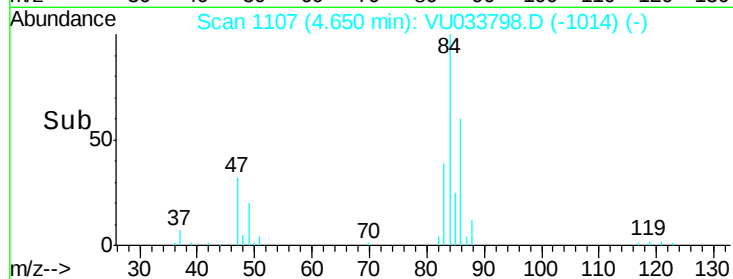
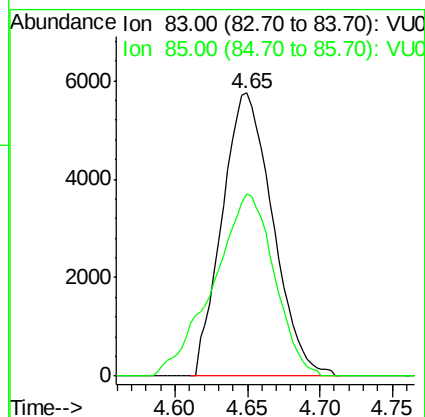
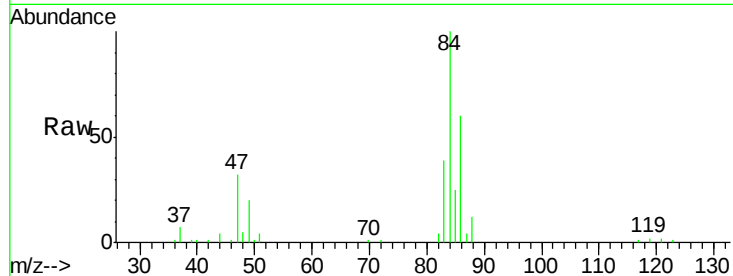
Ion 51.00 (50.70 to 51.70): VU033798.D (-1055) (-)





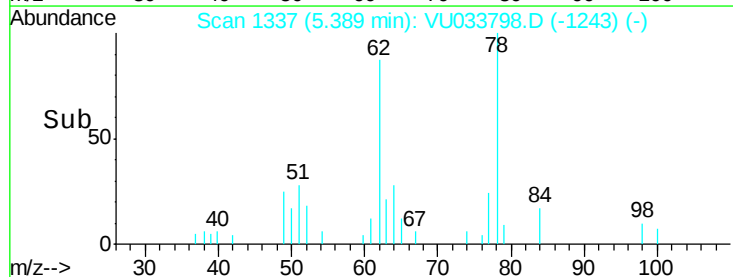
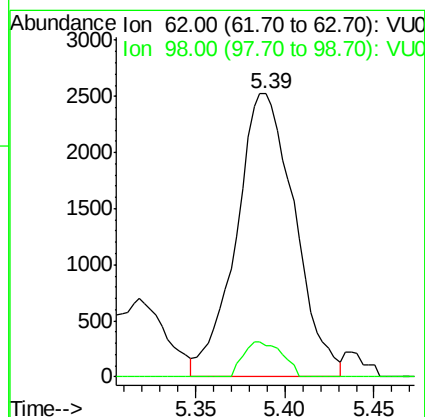
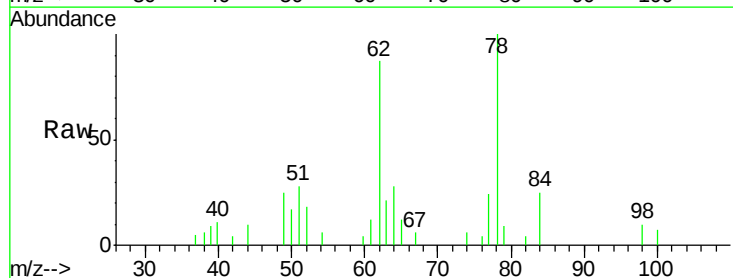
#25
Chloroform
Concen: 0.351 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033798.D
Acq: 14 Aug 2019 13:43

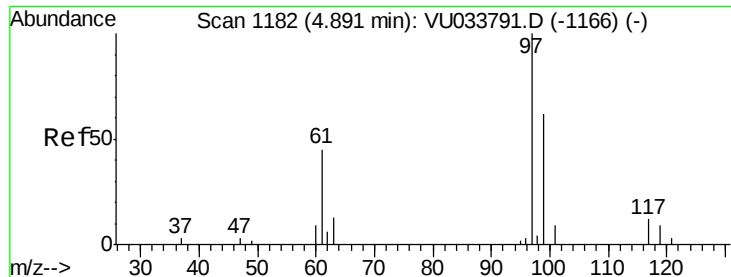
Tot Ion: 83 Resp: 13928
Ion Ratio Lower Upper
83 100
85 64.3 44.2 82.0



#27
1,2-Dichloroethane
Concen: 0.236 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU033798.D
Acq: 14 Aug 2019 13:43

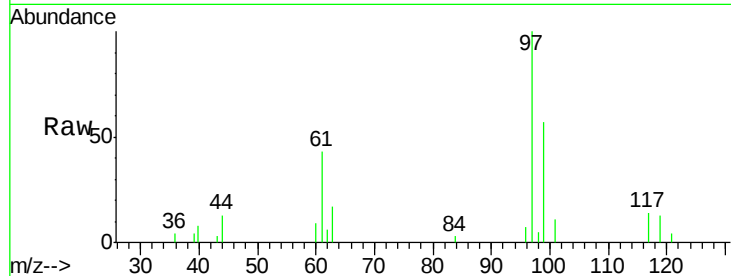
Tgt Ion: 62 Resp: 5757
Ion Ratio Lower Upper
62 100
98 11.2 7.4 11.0#



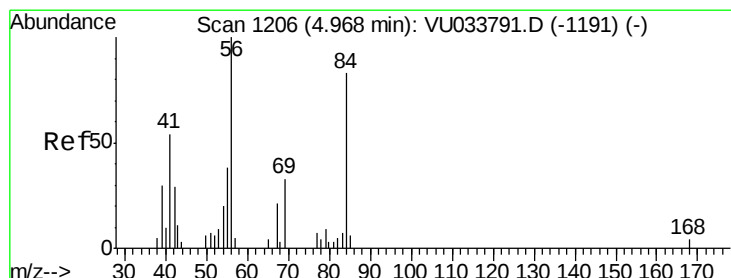
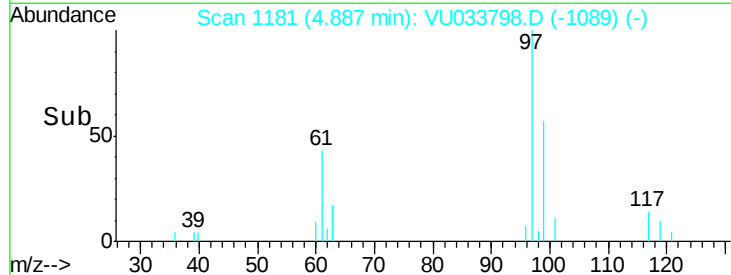
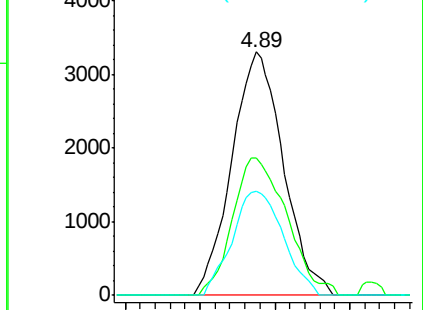


#29
 1,1,1-Trichloroethane
 Concen: 0.255 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

Tot Ion: 97 Resp: 7906
 Ion Ratio Lower Upper
 97 100
 99 59.6 50.8 76.2
 61 42.4 37.4 56.0

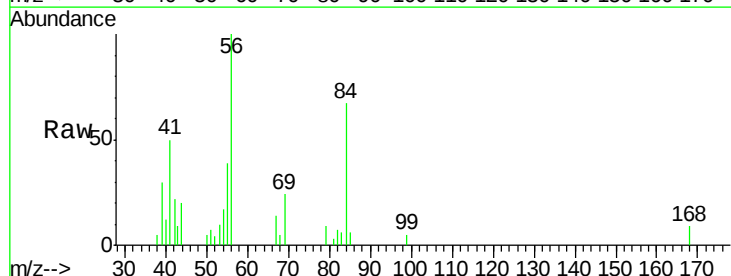


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0

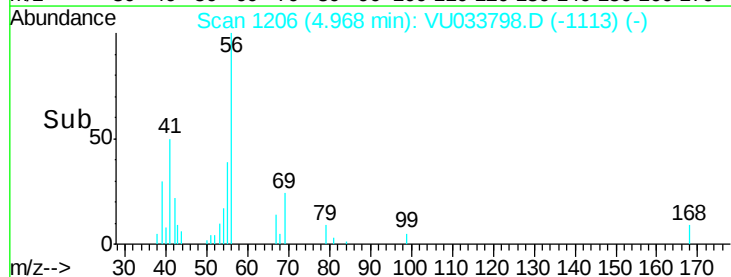
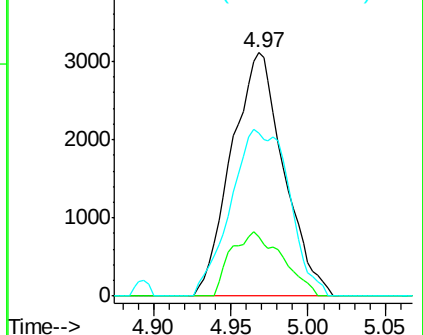


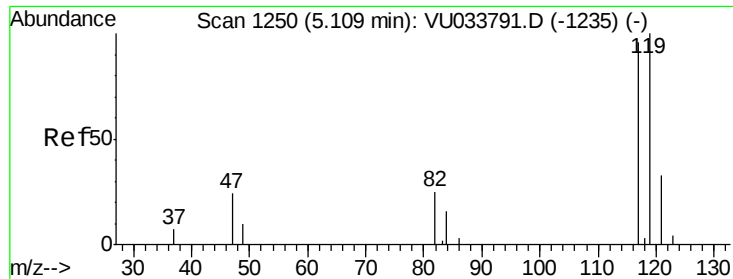
#30
 Cyclohexane
 Concen: 0.261 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

Tgt Ion: 56 Resp: 7306
 Ion Ratio Lower Upper
 56 100
 69 25.9 25.2 37.8
 84 76.6 69.8 104.6



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





#31

Carbon tetrachloride

Concen: 0.249 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033798.D

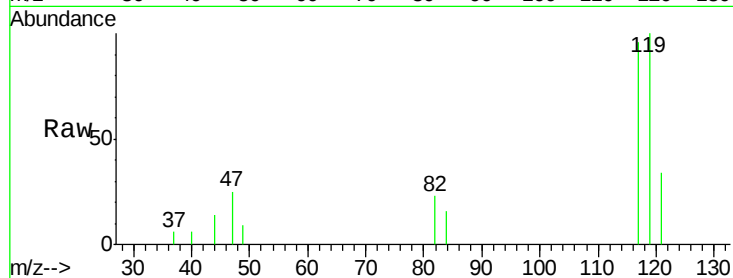
Acq: 14 Aug 2019 13:43

Tot Ion:117 Resp: 6872

Ion Ratio Lower Upper

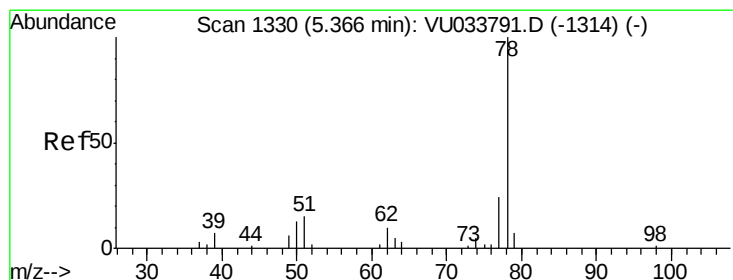
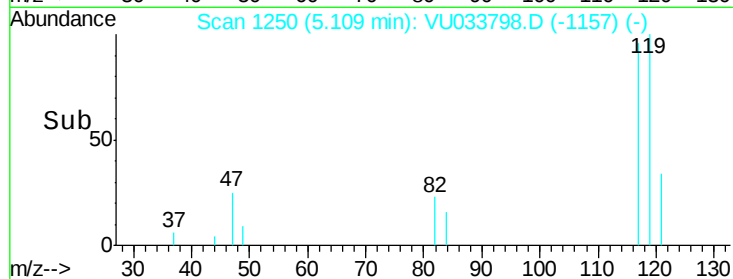
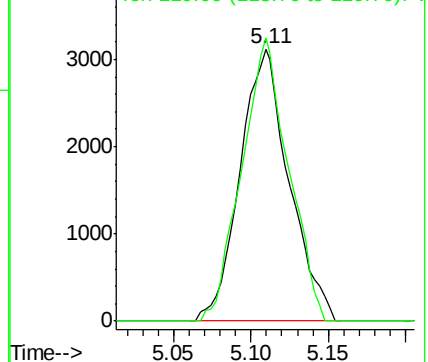
117 100

119 99.4 78.5 117.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 0.273 ug/L

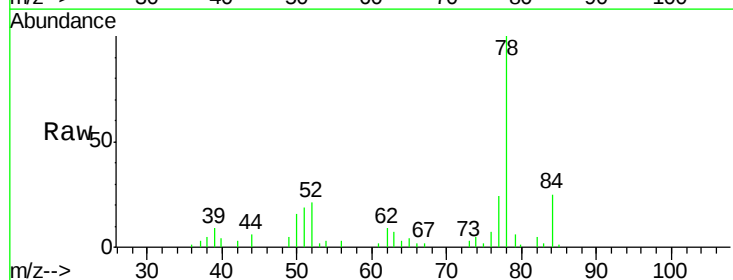
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

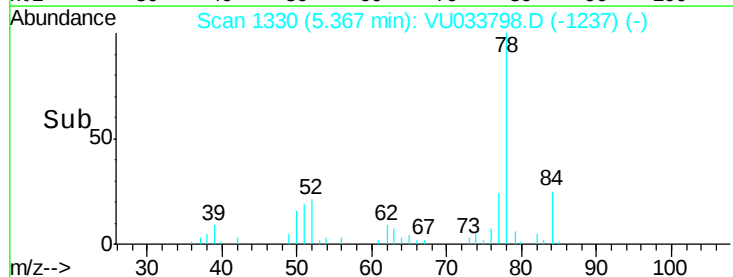
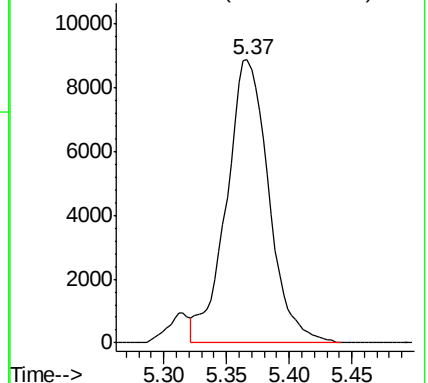
Lab File: VU033798.D

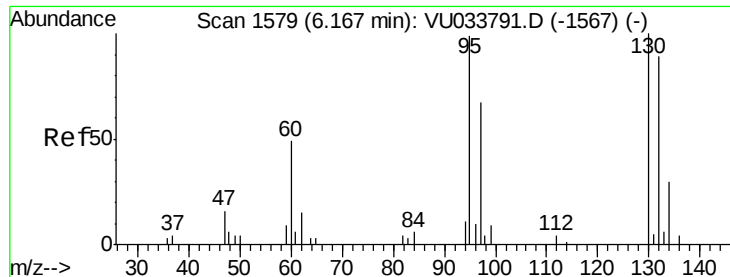
Acq: 14 Aug 2019 13:43

Tgt Ion: 78 Resp: 20763



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 0.265 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

Tot Ion: 95 Resp: 5291

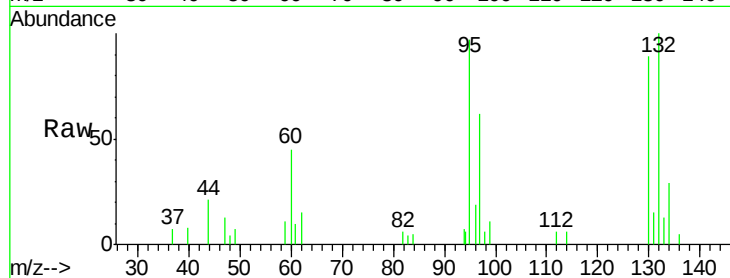
Ion Ratio Lower Upper

95 100

97 63.4 45.4 84.4

132 103.1 68.9 127.9

130 91.7 70.5 130.9

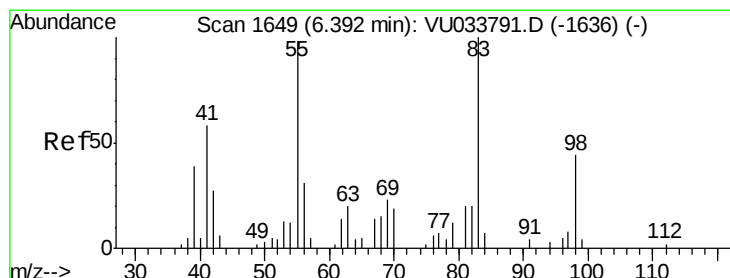
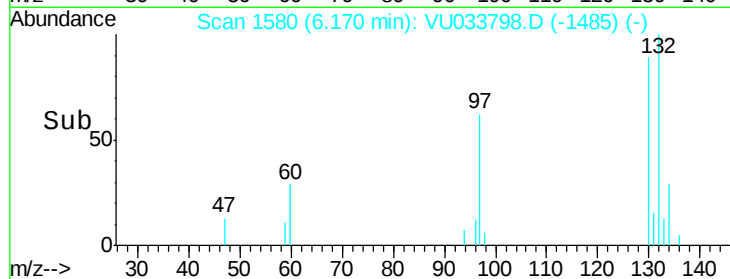
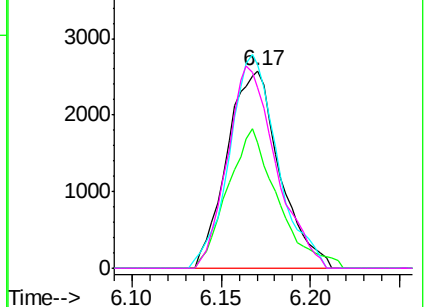


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 0.239 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

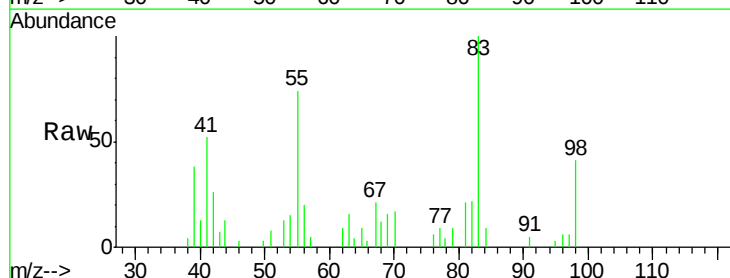
Tgt Ion: 83 Resp: 7147

Ion Ratio Lower Upper

83 100

55 78.4 65.0 97.6

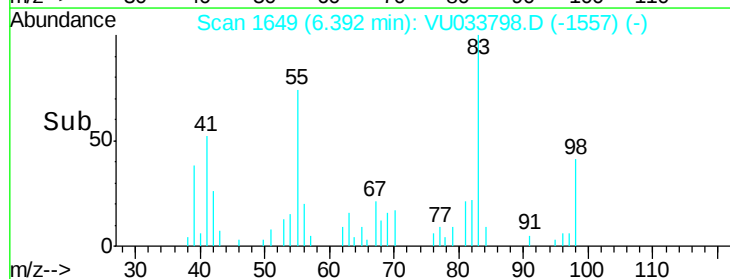
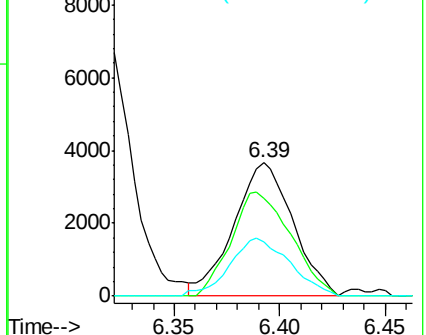
98 44.3 36.2 54.4

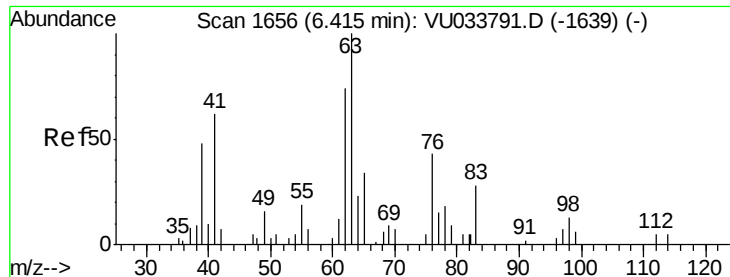


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 0.258 ug/L

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU033798.D

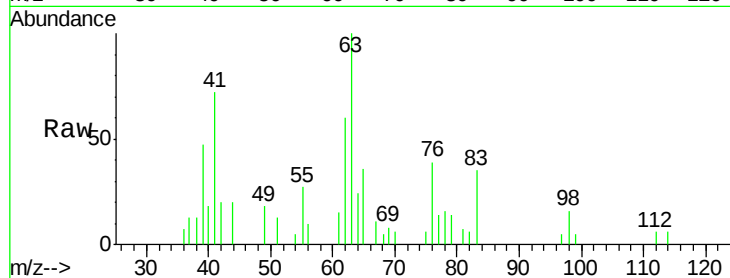
Acq: 14 Aug 2019 13:43

Tot Ion: 63 Resp: 5304

Ion Ratio Lower Upper

63 100

112 2.1 3.3 4.9#



Abundance Ion 63.00 (62.70 to 63.70): VU033798.D (-1562) (-)

Ion 112.00 (111.70 to 112.70): VU033798.D (-1562) (-)

3000

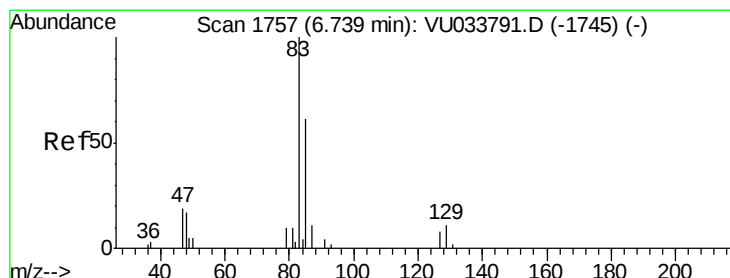
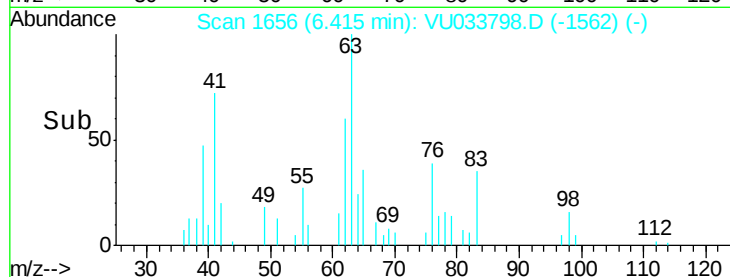
2000

1000

0

6.35 6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 0.261 ug/L

RT: 6.74 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

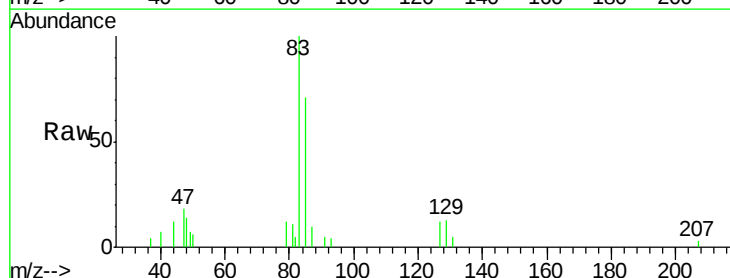
Tgt Ion: 83 Resp: 6779

Ion Ratio Lower Upper

83 100

85 71.1 45.0 83.6

127 12.1 7.8 11.6#



Abundance Ion 83.00 (82.70 to 83.70): VU033798.D (-1663) (-)

Ion 85.00 (84.70 to 85.70): VU033798.D (-1663) (-)

Ion 127.00 (126.70 to 127.70): VU033798.D (-1663) (-)

4000

3000

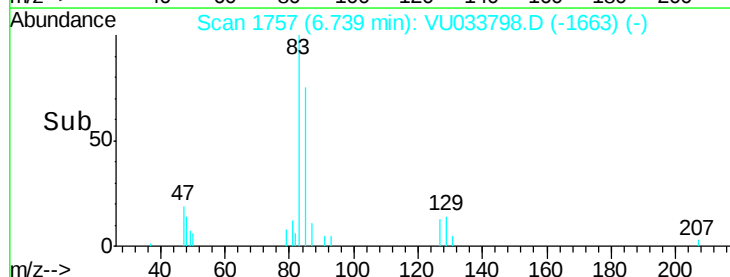
2000

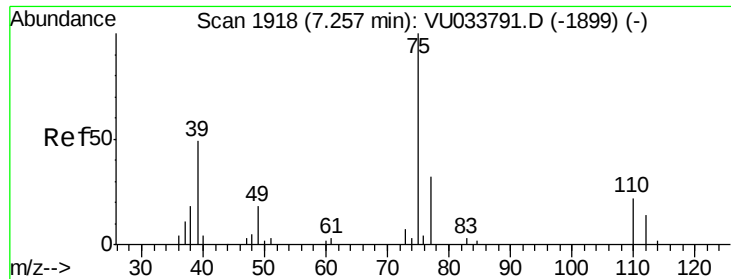
1000

0

6.70 6.75 6.80

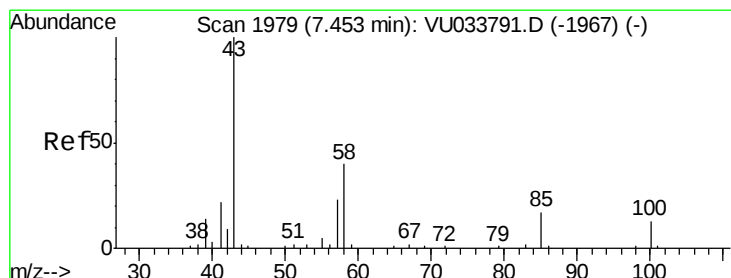
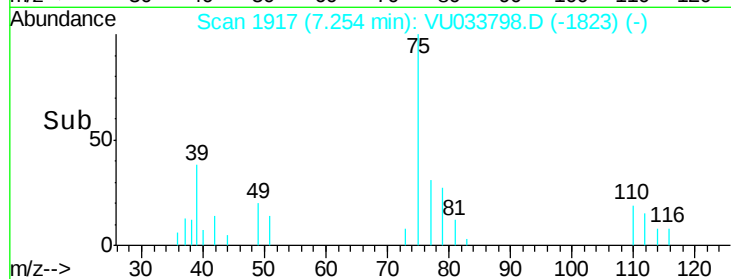
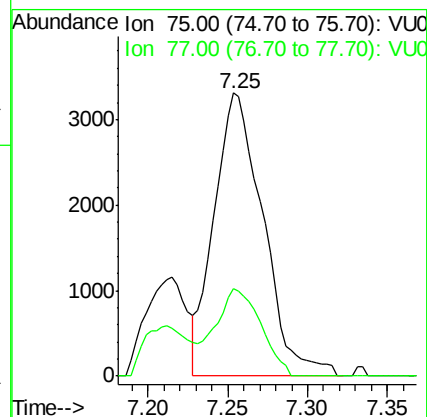
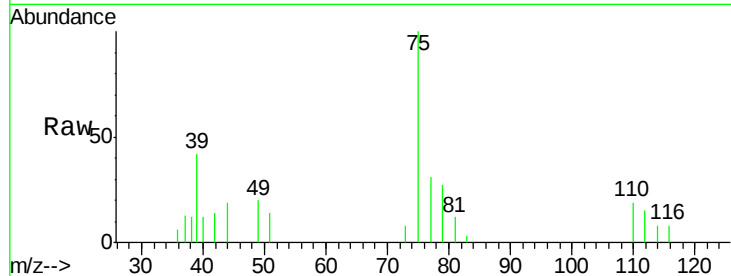
Time-->





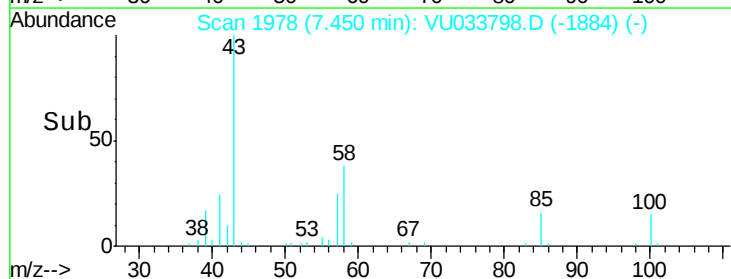
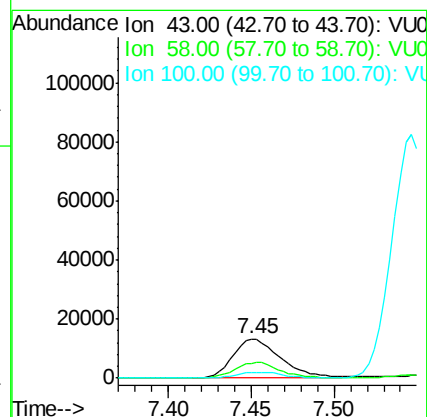
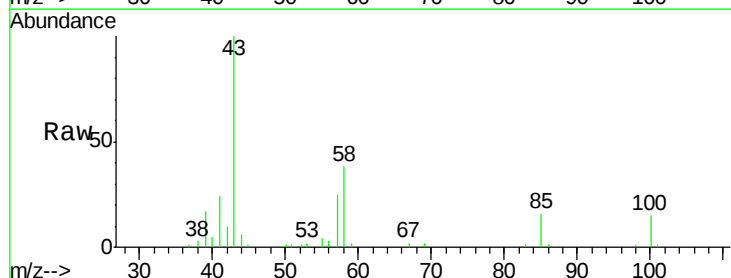
#39
 cis-1,3-Dichloropropene
 Concen: 0.252 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

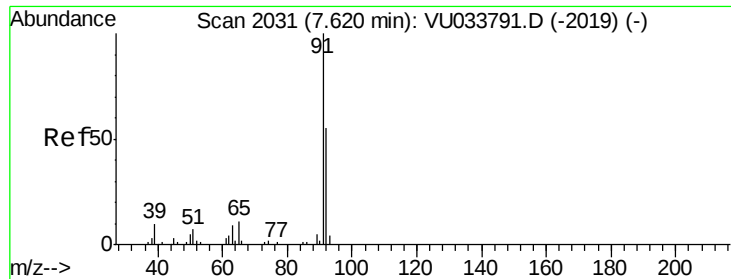
Tot Ion: 75 Resp: 6987
 Ion Ratio Lower Upper
 75 100
 77 31.1 23.6 43.8



#40
 4-Methyl-2-pentanone
 Concen: 2.222 ug/L
 RT: 7.45 min Scan# 1978
 Delta R.T. 0.00 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

Tgt Ion: 43 Resp: 26424
 Ion Ratio Lower Upper
 43 100
 58 37.9 32.2 48.4
 100 0.0 11.9 17.9#





#42

Toluene

Concen: 0.248 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033798.D

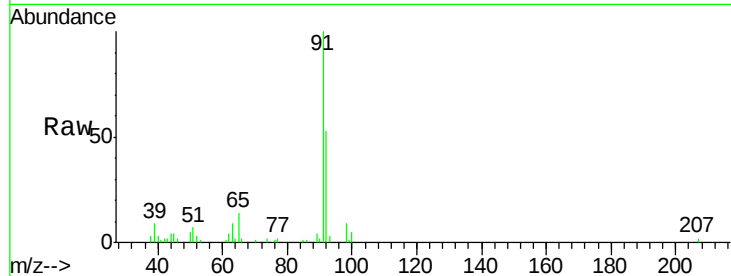
Acq: 14 Aug 2019 13:43

Tot Ion: 91 Resp: 19821

Ion Ratio Lower Upper

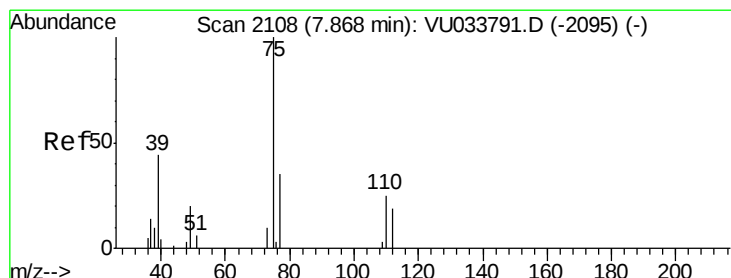
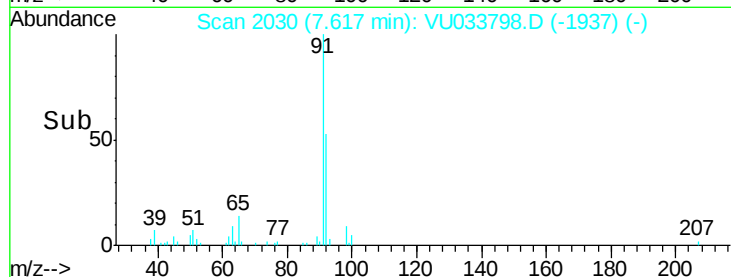
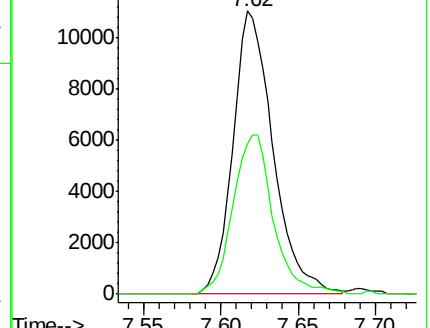
91 100

92 53.2 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU033798.D (-2019) (-)

Ion 92.00 (91.70 to 92.70): VU033798.D (-2019) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.240 ug/L m

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU033798.D

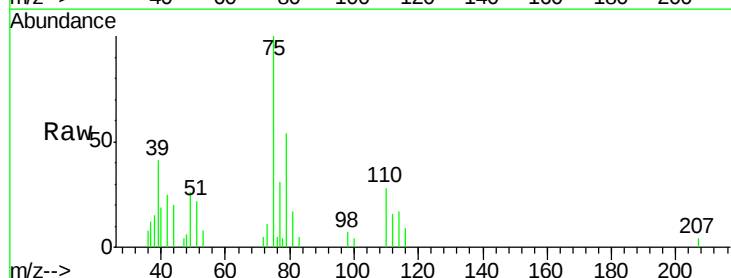
Acq: 14 Aug 2019 13:43

Tgt Ion: 75 Resp: 5573

Ion Ratio Lower Upper

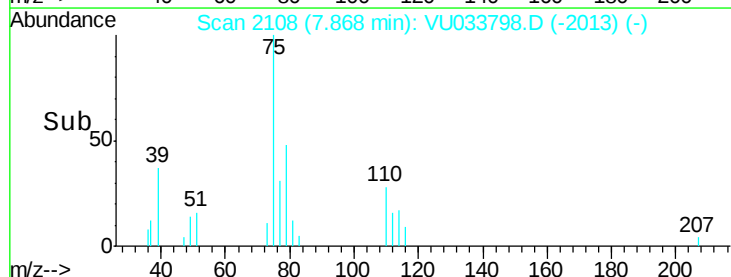
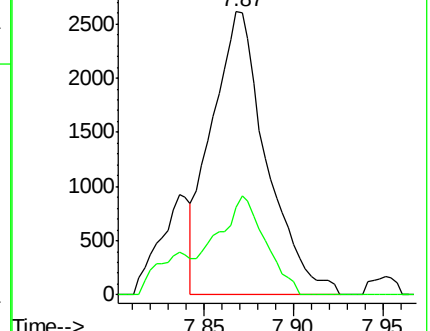
75 100

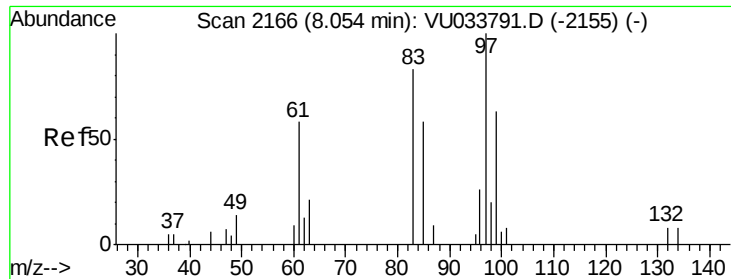
77 30.7 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU033798.D (-2013) (-)

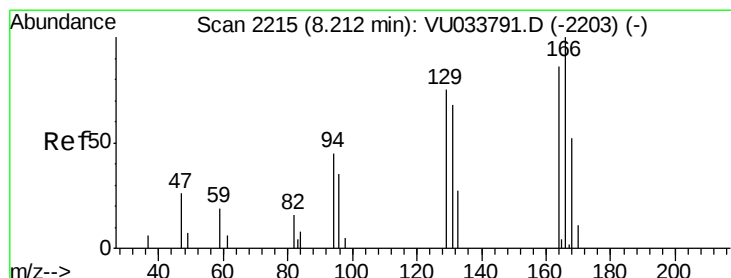
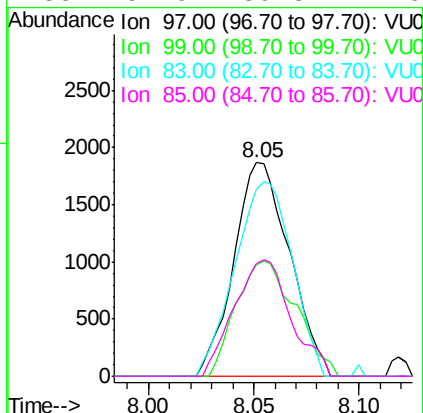
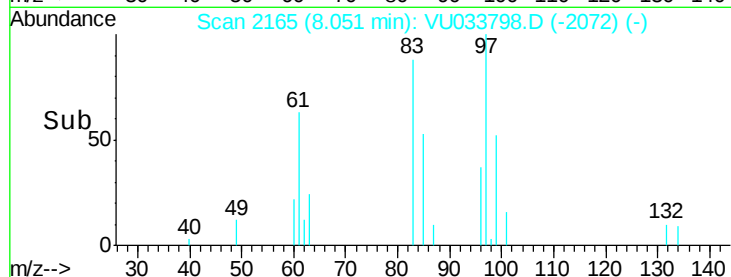
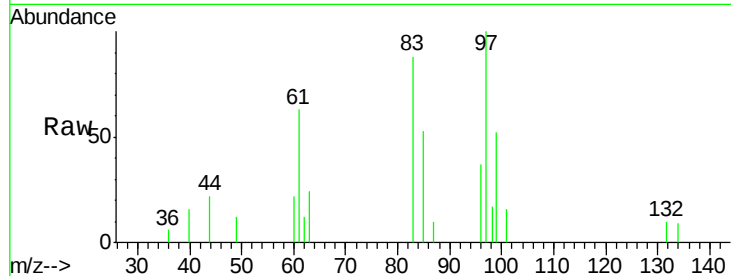
Ion 77.00 (76.70 to 77.70): VU033798.D (-2013) (-)





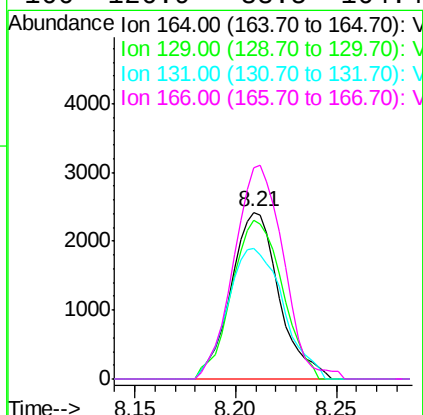
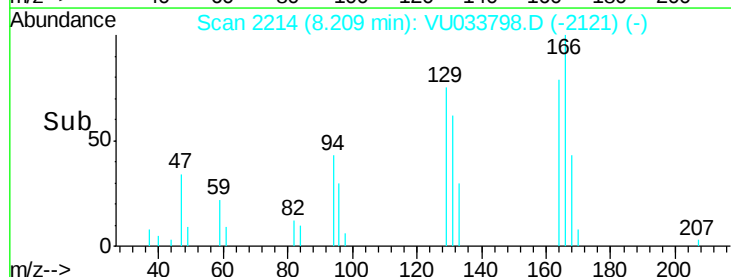
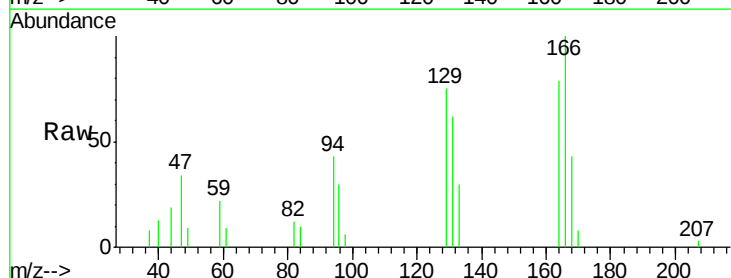
#45
1,1,2-Trichloroethane
Concen: 0.233 ug/L
RT: 8.05 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VU033798.D
Acq: 14 Aug 2019 13:43

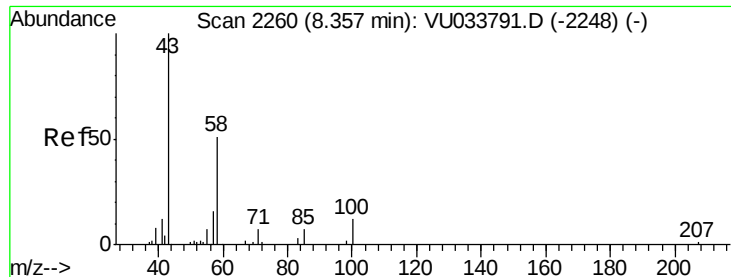
Tot Ion:	97	Resp:	3423
Ion	Ratio	Lower	Upper
97	100		
99	52.3	42.6	79.0
83	87.8	59.8	111.1
85	52.9	39.3	72.9



#47
Tetrachloroethene
Concen: 0.242 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033798.D
Acq: 14 Aug 2019 13:43

Tgt Ion:	164	Resp:	4028
Ion	Ratio	Lower	Upper
164	100		
129	95.4	66.1	122.7
131	78.3	65.2	121.2
166	126.9	88.5	164.4

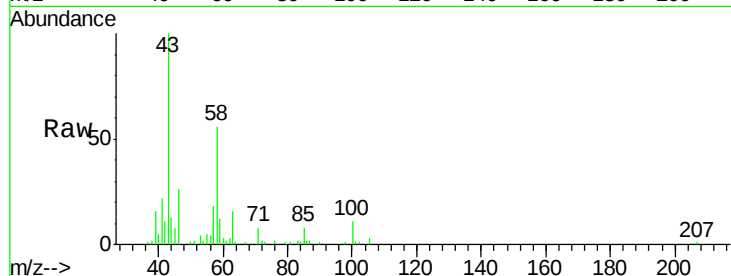




#48
2-Hexanone
Concen: 3.127 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.00 min
Lab File: VU033798.D
Acq: 14 Aug 2019 13:43

Tot Ion: 43 Resp: 26888

Ion	Ratio	Lower	Upper
43	100		
58	57.7	45.2	67.8
57	20.1	15.7	23.5
100	10.3	8.6	13.0

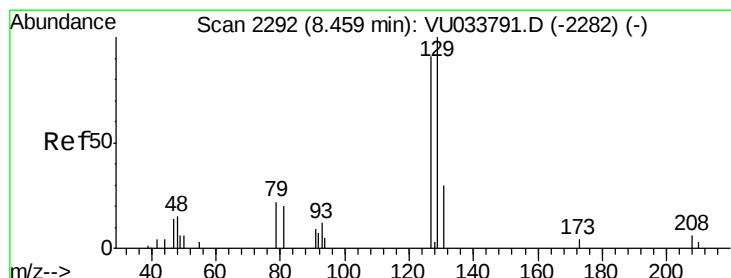
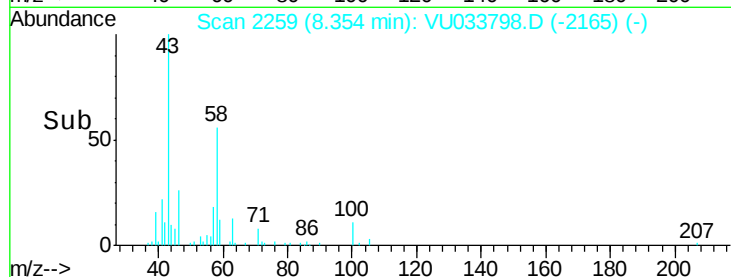
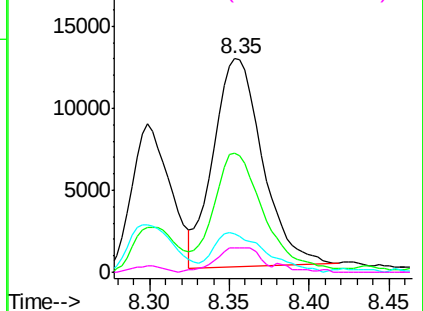


Abundance Ion 43.00 (42.70 to 43.70): VU033798.D (-2259) (-)

Ion 58.00 (57.70 to 58.70): VU033798.D (-2259) (-)

Ion 57.00 (56.70 to 57.70): VU033798.D (-2259) (-)

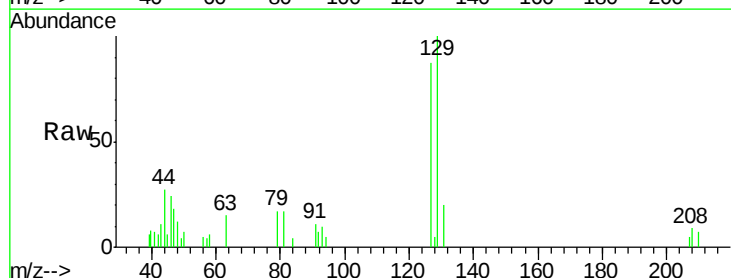
Ion 100.00 (99.70 to 100.70): VU033798.D (-2259) (-)



#49
Dibromochloromethane
Concen: 0.256 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033798.D
Acq: 14 Aug 2019 13:43

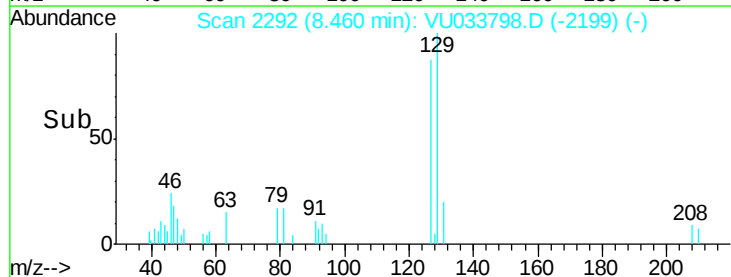
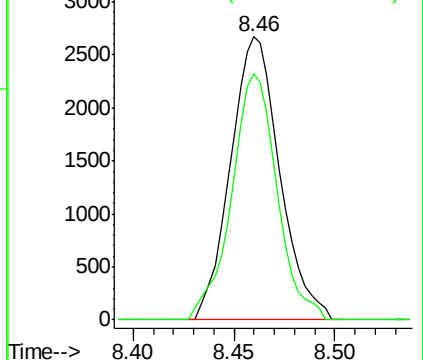
Tgt Ion: 129 Resp: 4558

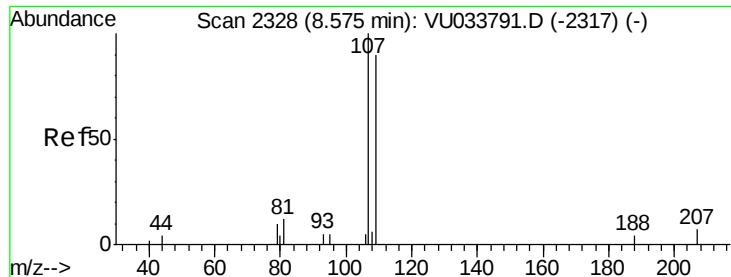
Ion	Ratio	Lower	Upper
129	100		
127	87.1	54.2	100.6



Abundance Ion 129.00 (128.70 to 129.70): VU033798.D (-2292) (-)

Ion 127.00 (126.70 to 127.70): VU033798.D (-2292) (-)





#50

1,2-Dibromoethane

Concen: 0.240 ug/L

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

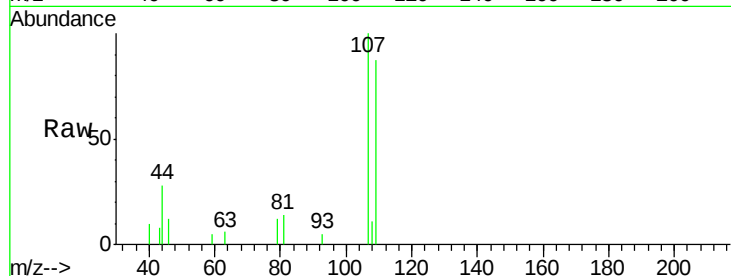
Tot Ion:107 Resp: 3412

Ion Ratio Lower Upper

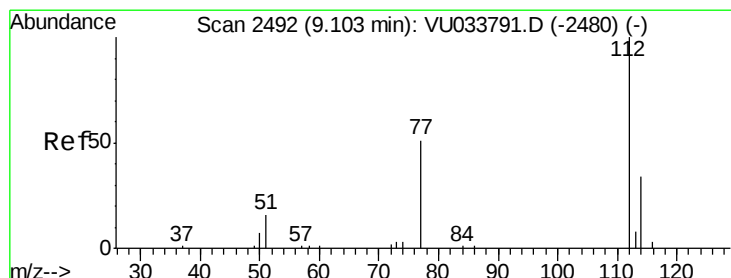
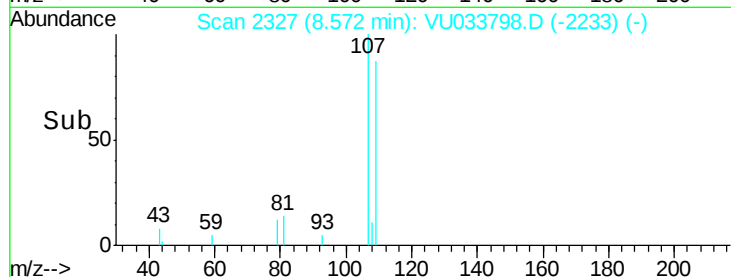
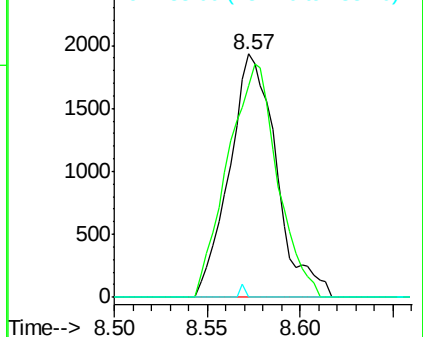
107 100

109 87.0 68.3 126.8

188 0.0 3.0 4.6#



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



#51

Chlorobenzene

Concen: 0.268 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

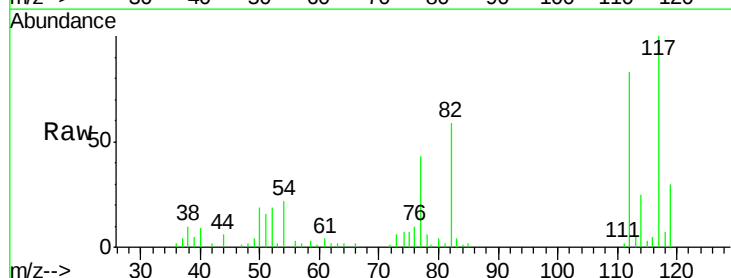
Tgt Ion:112 Resp: 13792

Ion Ratio Lower Upper

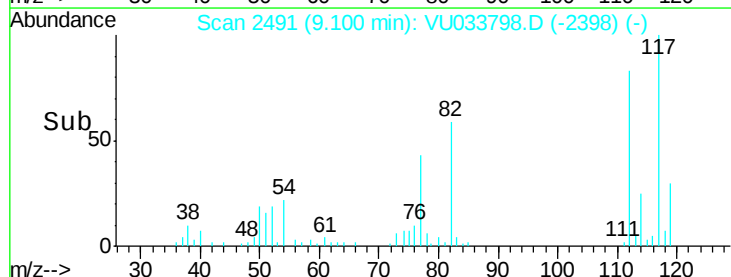
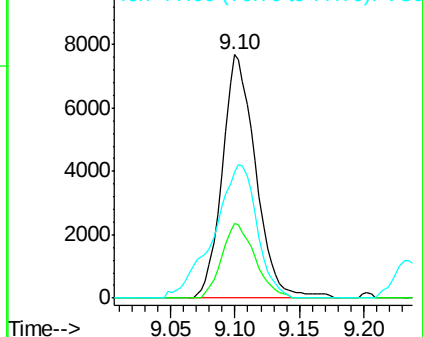
112 100

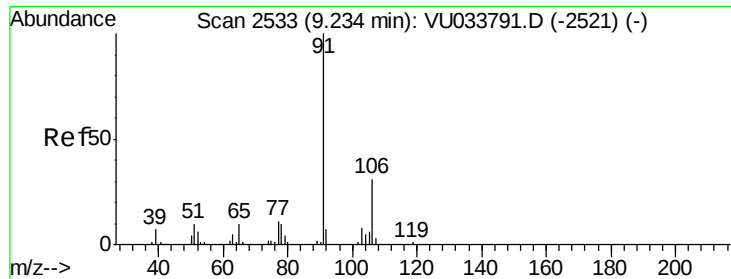
114 30.5 22.5 41.7

77 51.5 45.3 67.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 0.236 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033798.D

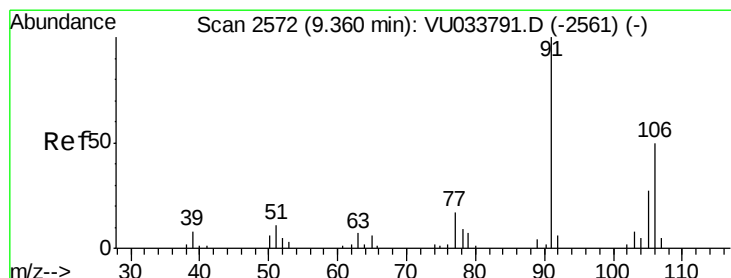
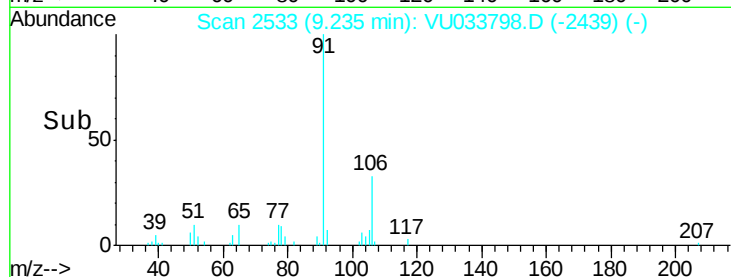
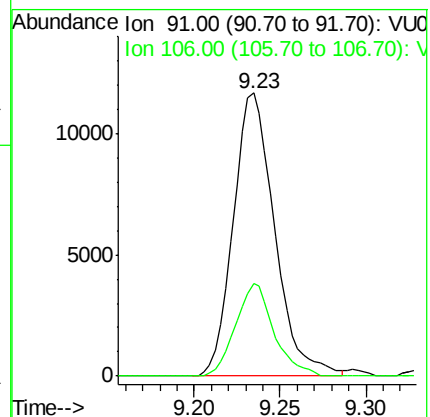
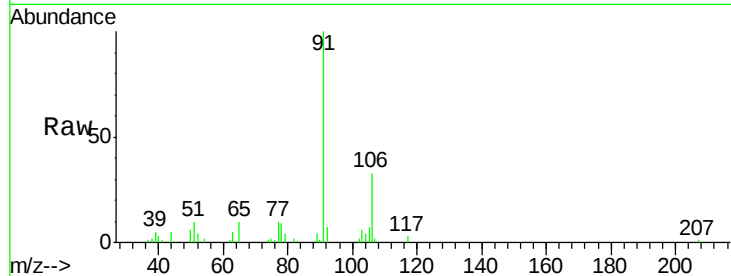
Acq: 14 Aug 2019 13:43

Tot Ion: 91 Resp: 19545

Ion Ratio Lower Upper

91 100

106 32.6 21.6 40.0



#53

m,p-Xylene

Concen: 0.208 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033798.D

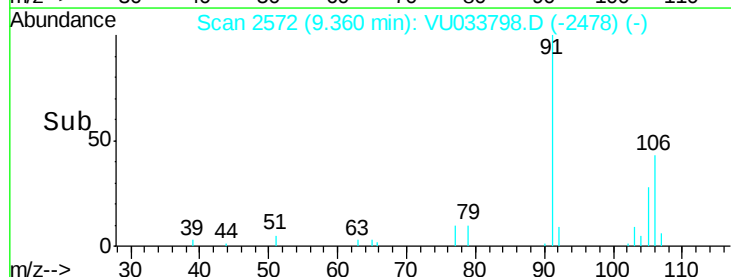
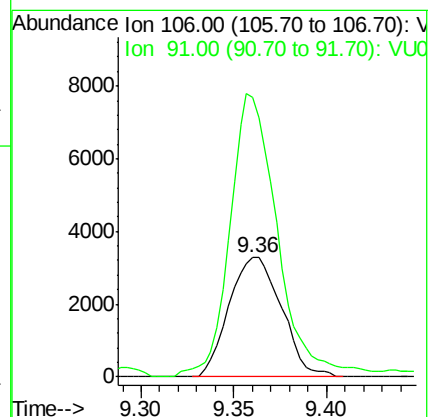
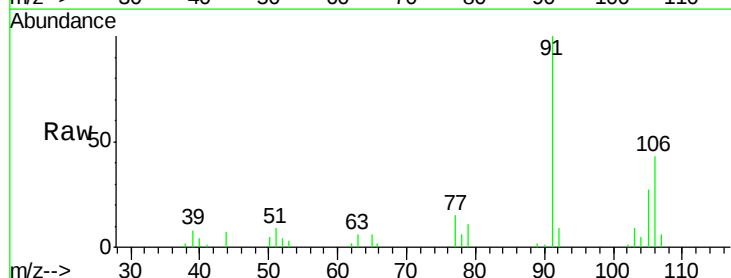
Acq: 14 Aug 2019 13:43

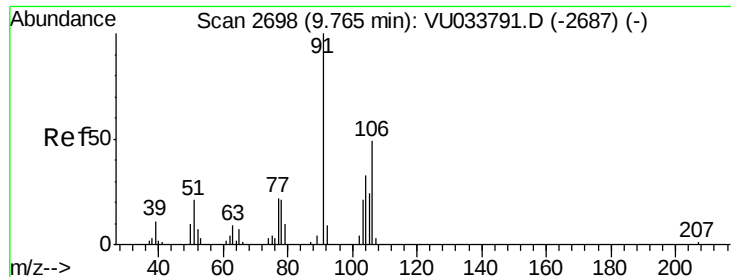
Tgt Ion: 106 Resp: 6482

Ion Ratio Lower Upper

106 100

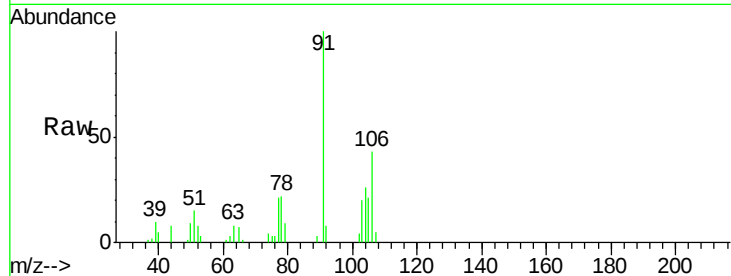
91 234.5 142.7 265.1



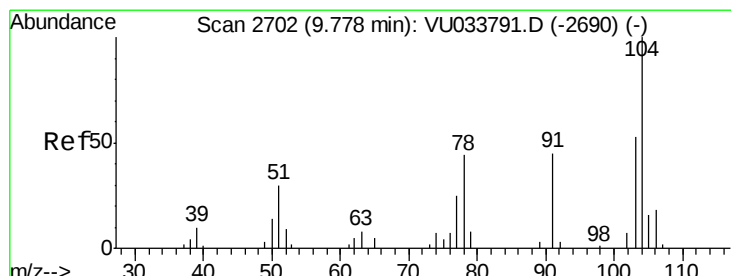
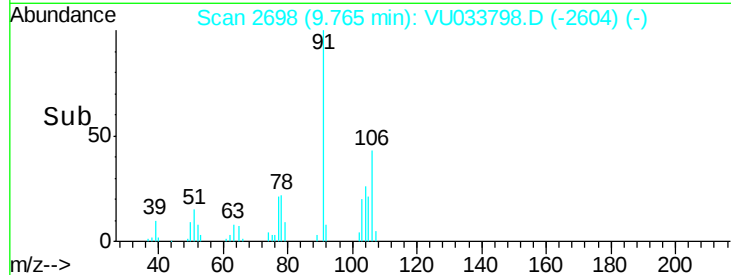
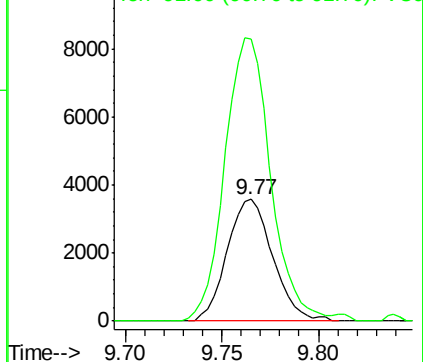


#54
o-Xylene
Concen: 0.198 ug/L
RT: 9.77 min Scan# 2698
Delta R.T. 0.00 min
Lab File: VU033798.D
Acq: 14 Aug 2019 13:43

Tot Ion:106 Resp: 5867
Ion Ratio Lower Upper
106 100
91 231.2 149.5 277.7

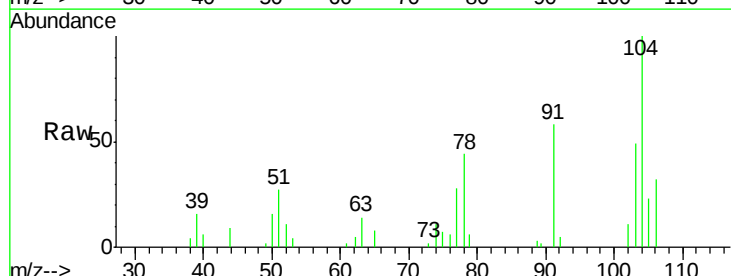


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

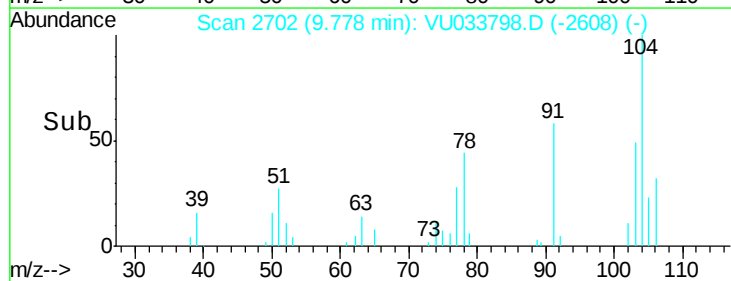
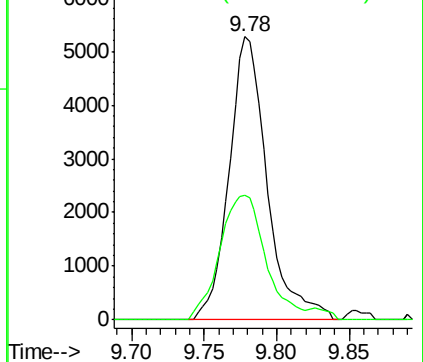


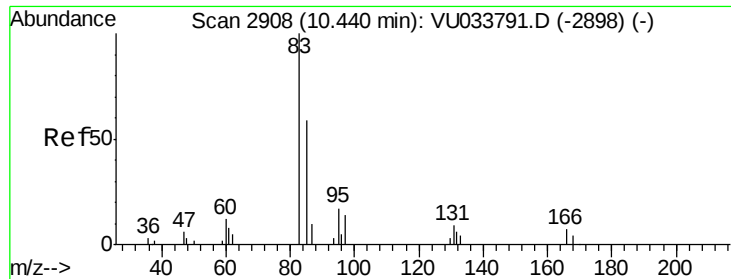
#55
Styrene
Concen: 0.187 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033798.D
Acq: 14 Aug 2019 13:43

Tgt Ion:104 Resp: 9626
Ion Ratio Lower Upper
104 100
78 44.2 31.8 59.0



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





#57

1,1,2,2-Tetrachloroethane

Concen: 0.254 ug/L

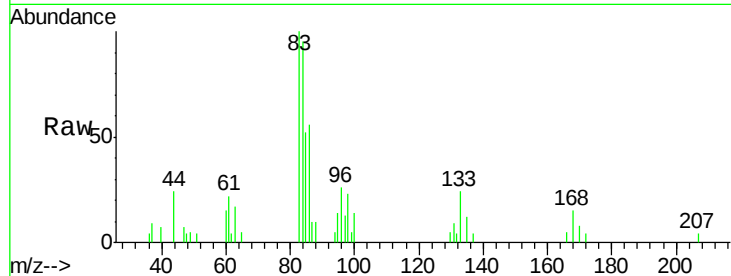
RT: 10.44 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

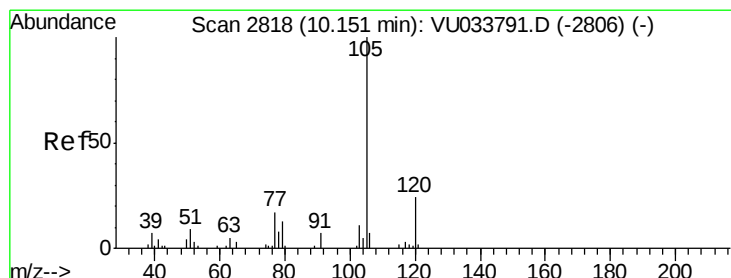
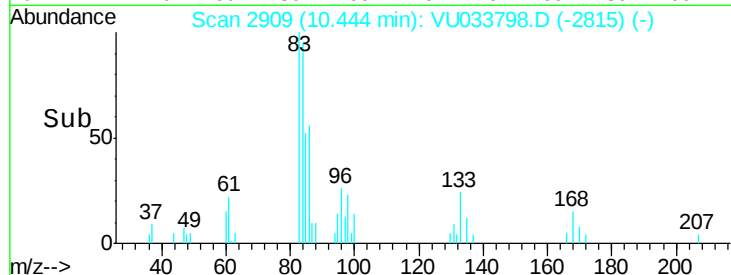
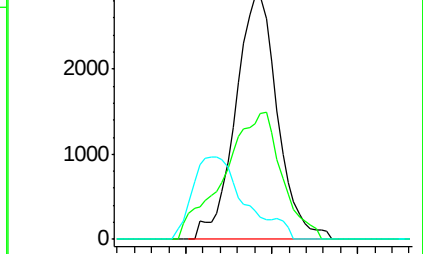
Tot Ion:	83	Resp:	4903
Ion	Ratio	Lower	Upper
83	100		
85	51.8	44.4	82.4
131	8.8	7.6	11.4



Abundance Ion 83.00 (82.70 to 83.70): VU033798.D (-2898) (-)

Ion 85.00 (84.70 to 85.70): VU033798.D (-2898) (-)

Ion 131.00 (130.70 to 131.70): VU033798.D (-2898) (-)



#59

Isopropylbenzene

Concen: 0.230 ug/L

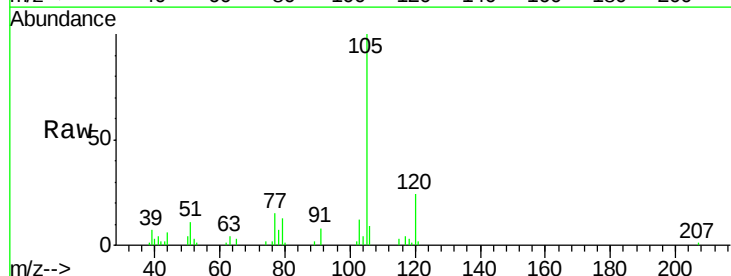
RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

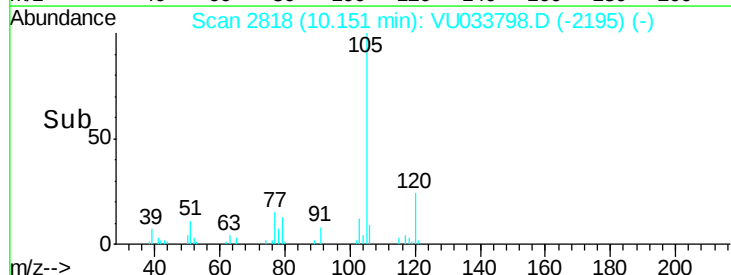
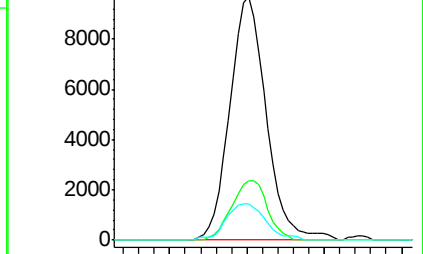
Tgt Ion:	105	Resp:	15788
Ion	Ratio	Lower	Upper
105	100		
120	23.9	21.5	32.3
77	16.5	12.8	19.2

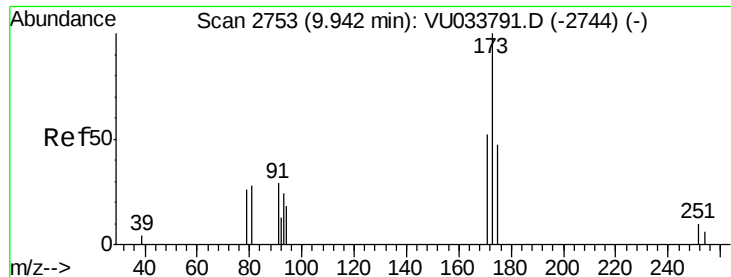


Abundance Ion 105.00 (104.70 to 105.70): VU033798.D (-2806) (-)

Ion 120.00 (119.70 to 120.70): VU033798.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU033798.D (-2806) (-)





#60

Bromoform

Concen: 0.282 ug/L

RT: 9.95 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

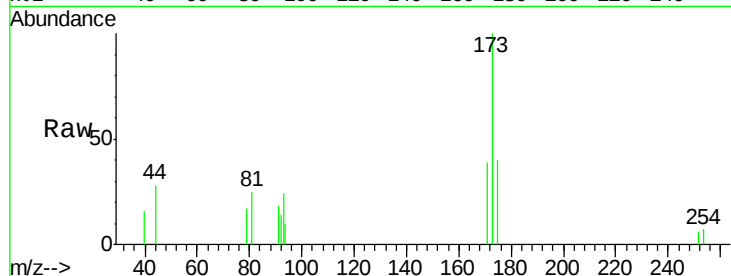
Tot Ion:173 Resp: 2595

Ion Ratio Lower Upper

173 100

175 43.2 36.6 55.0

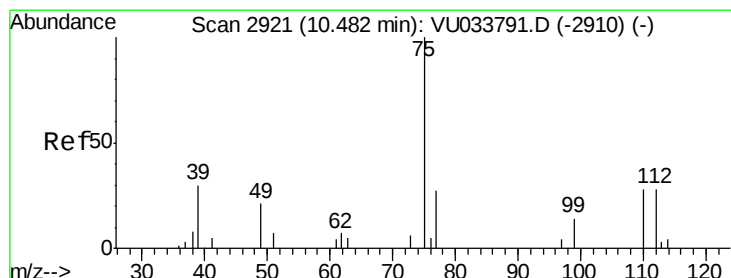
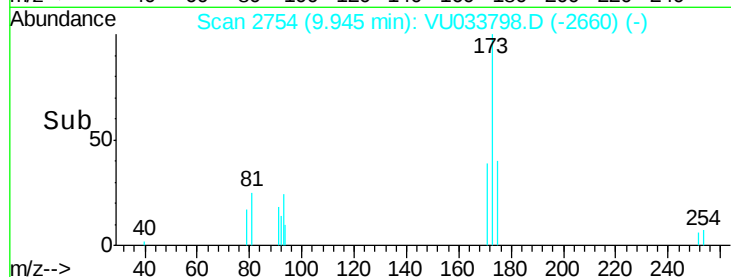
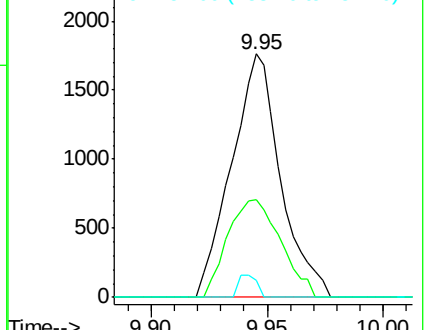
254 3.3 7.0 10.4#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#61

1,2,3-Trichloropropane

Concen: 0.272 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

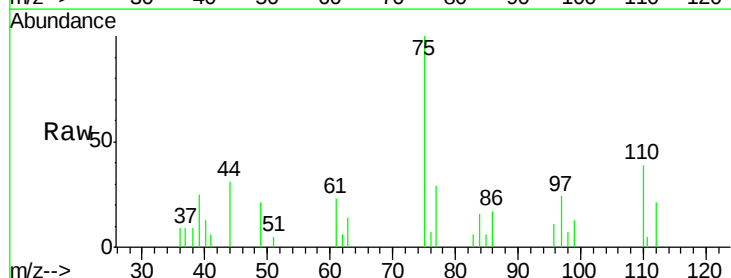
Tgt Ion: 75 Resp: 3252

Ion Ratio Lower Upper

75 100

77 29.0 25.8 38.6

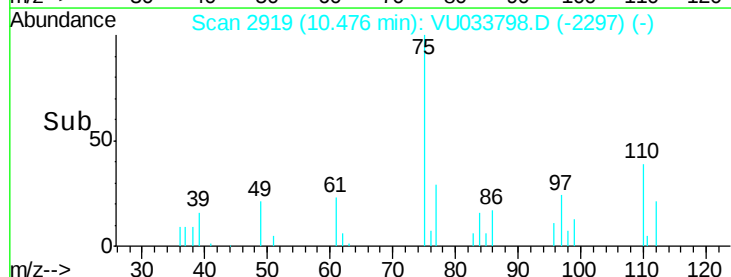
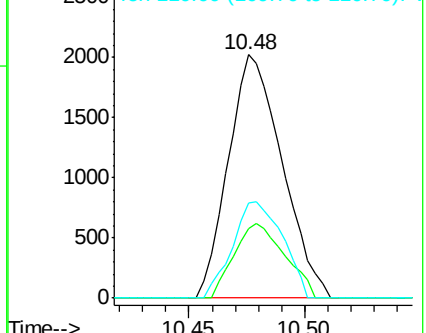
110 36.8 28.9 43.3

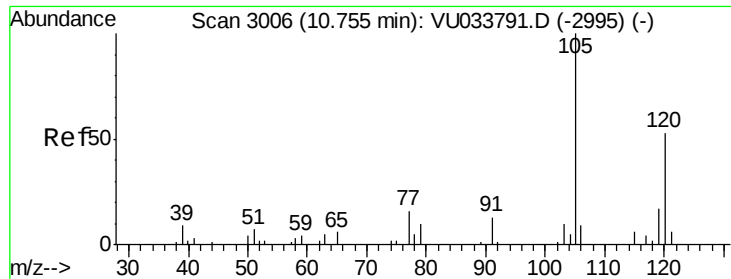


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

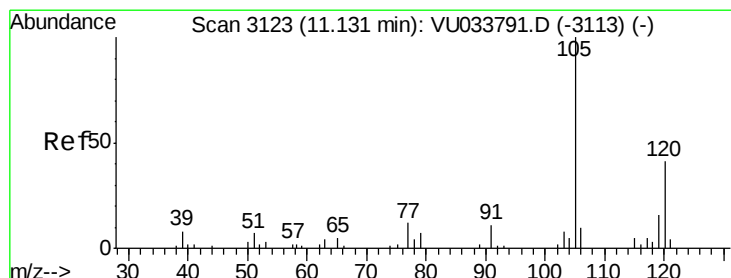
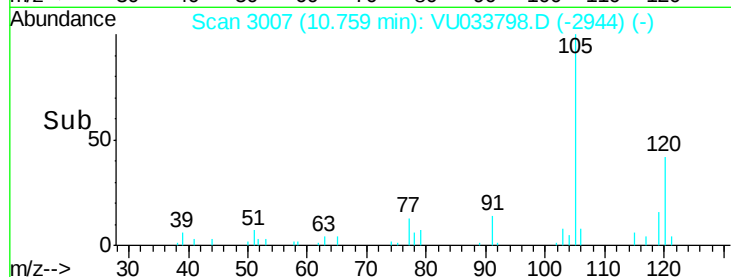
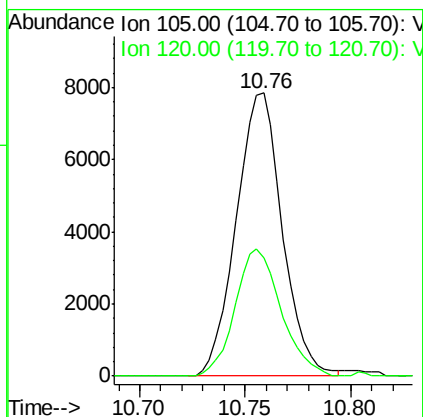
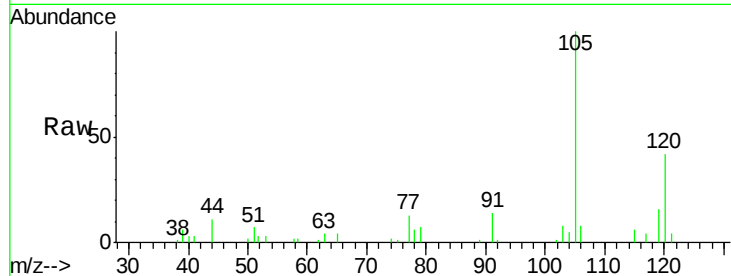
Ion 110.00 (109.70 to 110.70): V





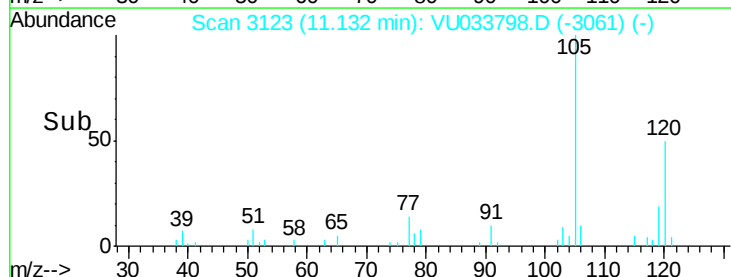
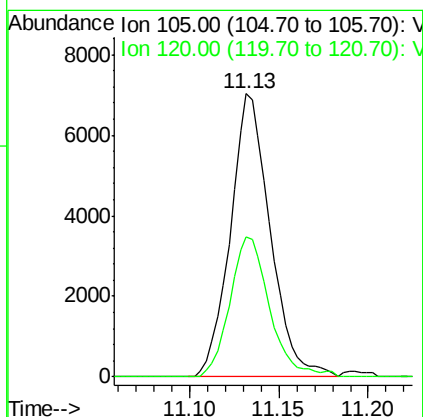
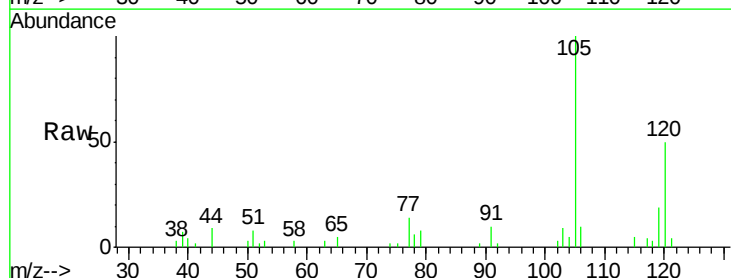
#62
 1,3,5-Trimethylbenzene
 Concen: 0.214 ug/L
 RT: 10.76 min Scan# 3007
 Delta R.T. 0.00 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

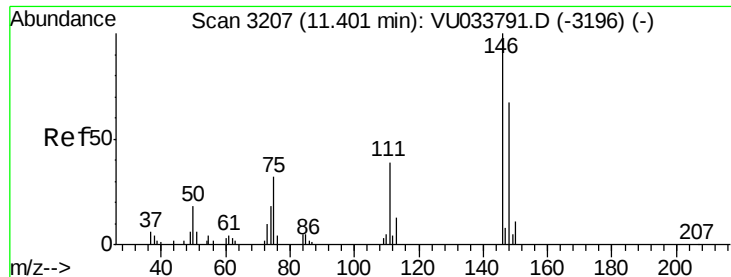
Tot Ion:105 Resp: 11898
 Ion Ratio Lower Upper
 105 100
 120 44.9 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 0.197 ug/L
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

Tgt Ion:105 Resp: 10928
 Ion Ratio Lower Upper
 105 100
 120 49.4 36.5 54.7





#64

1,3-Dichlorobenzene

Concen: 0.267 ug/L

RT: 11.40 min Scan# 3208

Delta R.T. 0.00 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

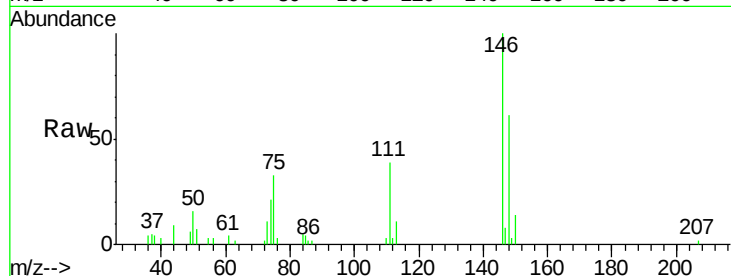
Tot Ion:146 Resp: 9792

Ion Ratio Lower Upper

146 100

111 39.4 28.5 52.9

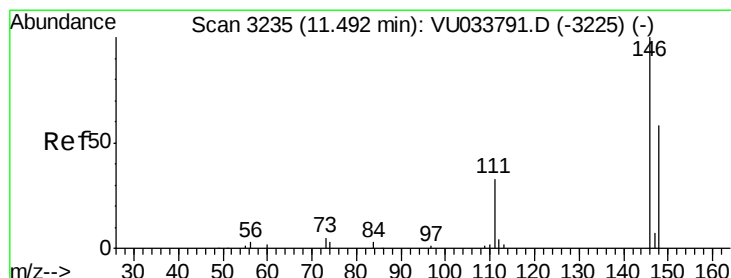
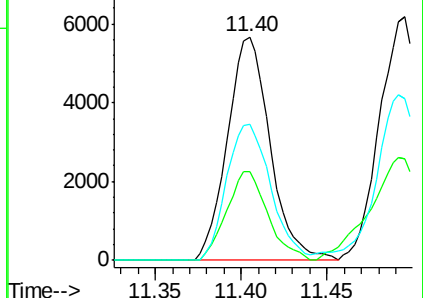
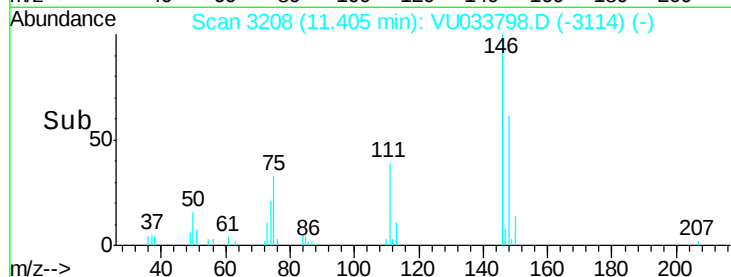
148 60.7 44.6 82.8



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



#65

1,4-Dichlorobenzene

Concen: 0.279 ug/L

RT: 11.49 min Scan# 3236

Delta R.T. 0.00 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

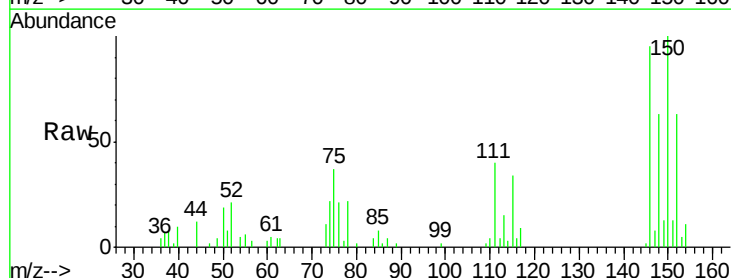
Tgt Ion:146 Resp: 10536

Ion Ratio Lower Upper

146 100

111 41.8 26.2 48.8

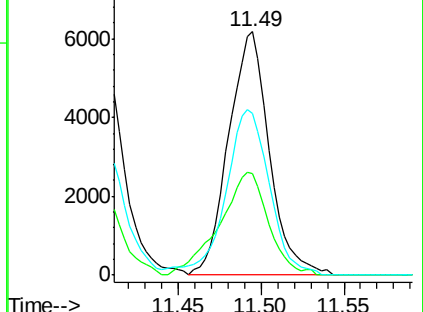
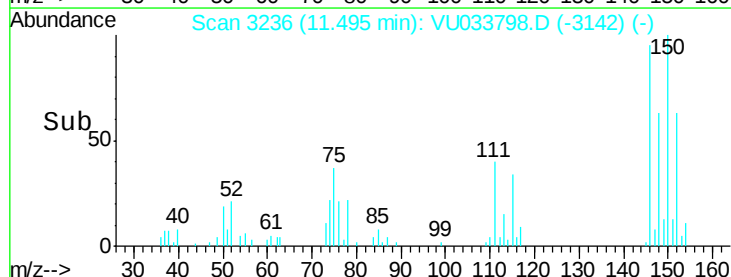
148 66.2 44.2 82.0

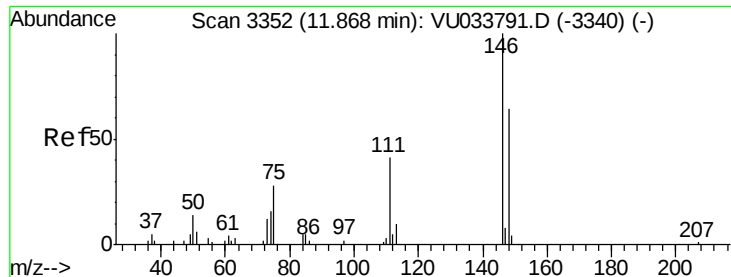


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 0.272 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

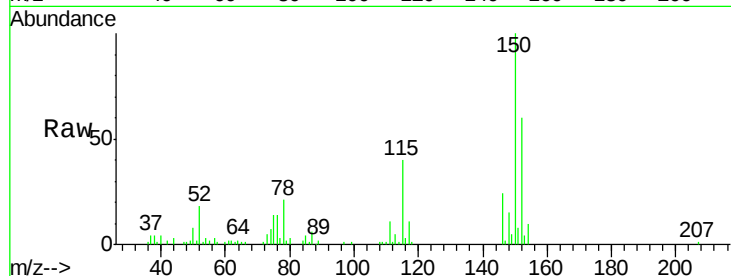
Tot Ion:146 Resp: 9646

Ion Ratio Lower Upper

146 100

111 46.1 32.7 49.1

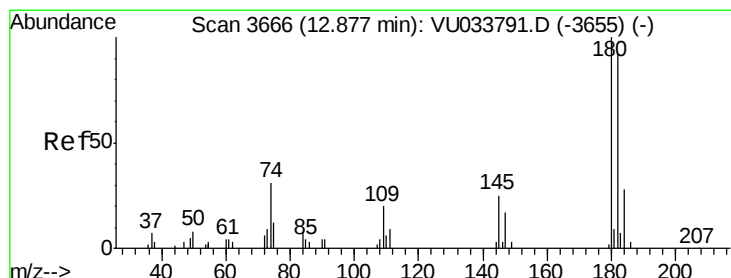
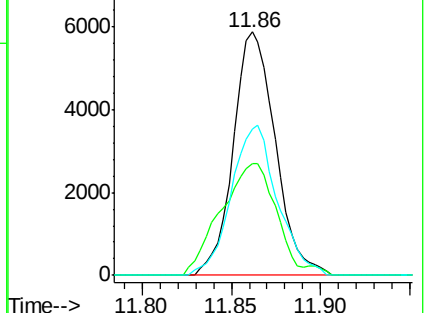
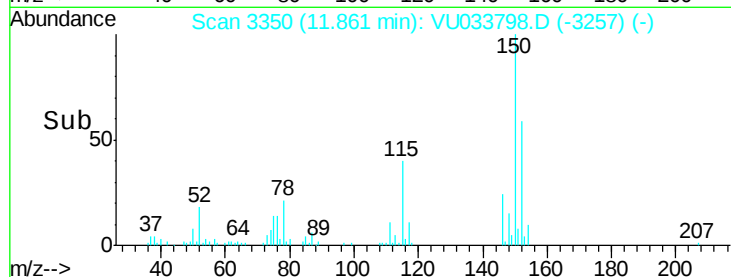
148 60.2 50.6 76.0



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



#69

1,3,5-Trichlorobenzene

Concen: 0.282 ug/L

RT: 12.88 min Scan# 3666

Delta R.T. 0.00 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

Tgt Ion:180 Resp: 8127

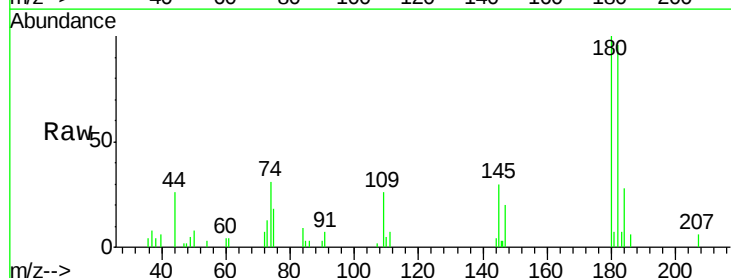
Ion Ratio Lower Upper

180 100

182 96.6 76.6 114.8

184 25.5 24.4 36.6

145 28.1 23.3 34.9

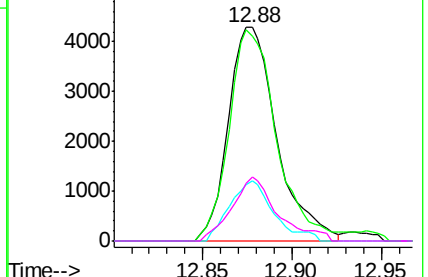
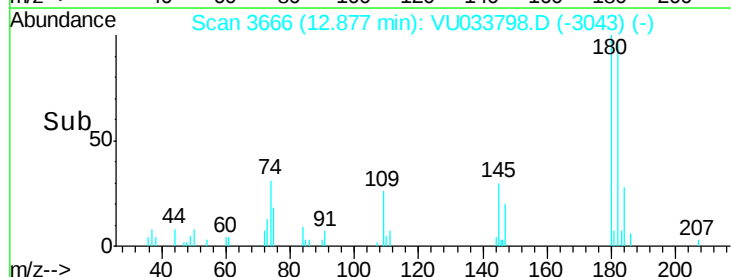


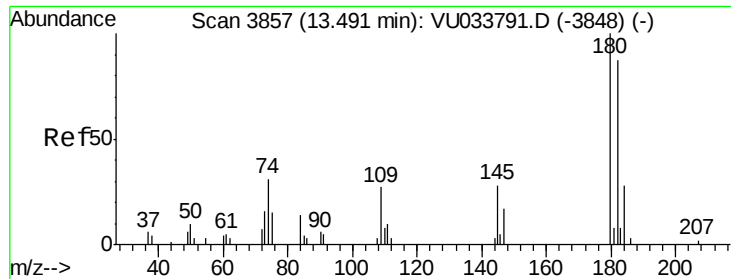
Abundance Ion 180.00 (179.70 to 180.70): V

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





#70

1,2,4-trichlorobenzene

Concen: 0.244 ug/L

RT: 13.49 min Scan# 3858

Delta R.T. 0.01 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

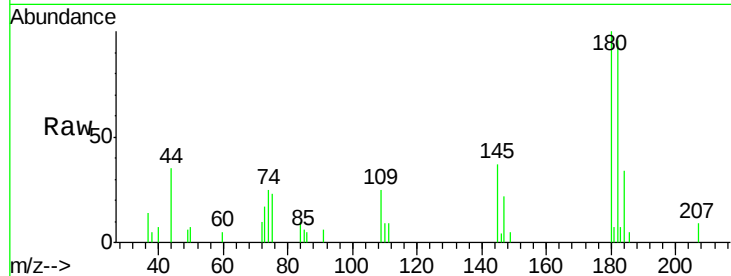
Tot Ion:180 Resp: 5467

Ion Ratio Lower Upper

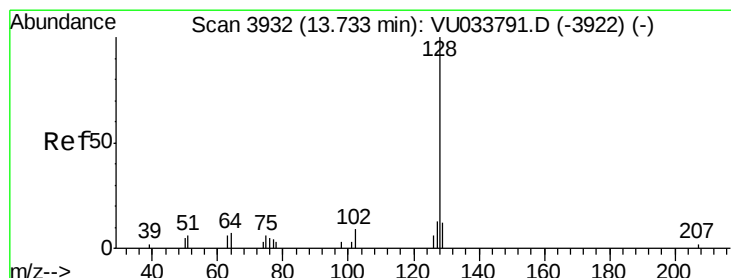
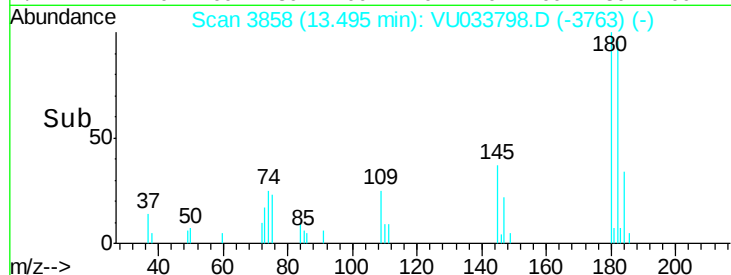
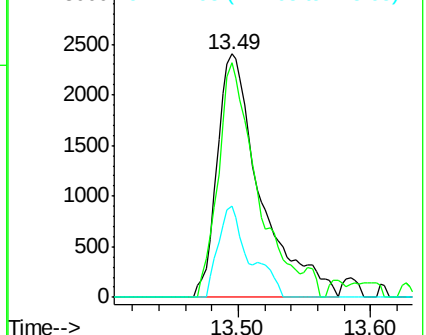
180 100

182 85.1 77.4 116.2

145 21.5 23.5 35.3#



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



#71

Naphthalene

Concen: 0.227 ug/L m

RT: 13.74 min Scan# 3934

Delta R.T. 0.01 min

Lab File: VU033798.D

Acq: 14 Aug 2019 13:43

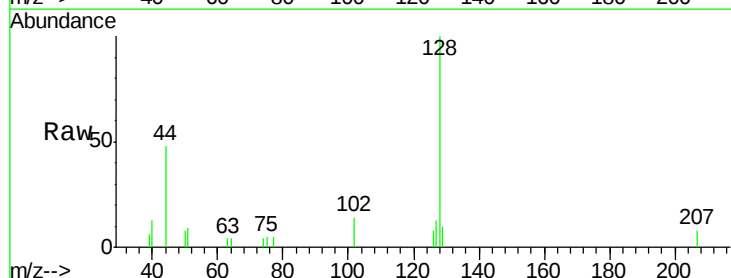
Tgt Ion:128 Resp: 7838

Ion Ratio Lower Upper

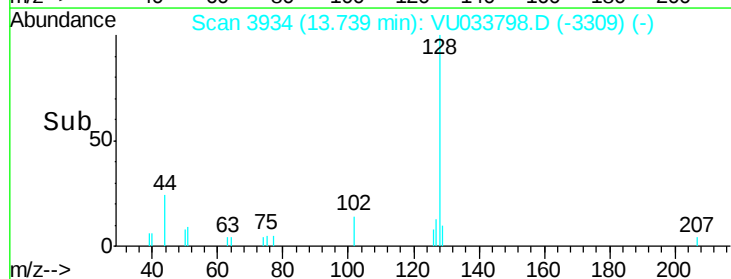
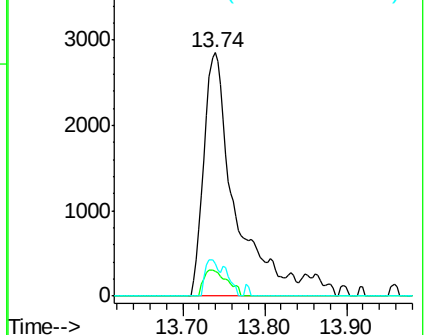
128 100

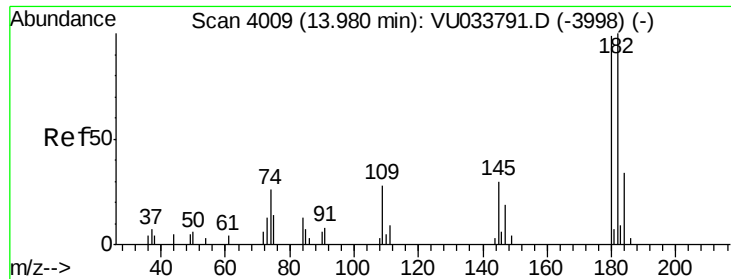
129 7.6 8.5 12.7#

127 5.9 11.2 16.8#



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





#72
 1,2,3-Trichlorobenzene
 Concen: 0.263 ug/L
 RT: 13.98 min Scan# 4009
 Delta R.T. 0.01 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

Tot Ion:180	Resp:	5570
Ion	Ratio	Lower Upper
180	100	
182	79.7	75.7 113.5
145	28.7	24.3 36.5

