

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 15 14:50:13 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	2.34	43	4706	1.061 ug/L #	34
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	12313	2.242 ug/L	95
22) cis-1,2-Dichloroethene	4.20	96	4972	0.247 ug/L	98

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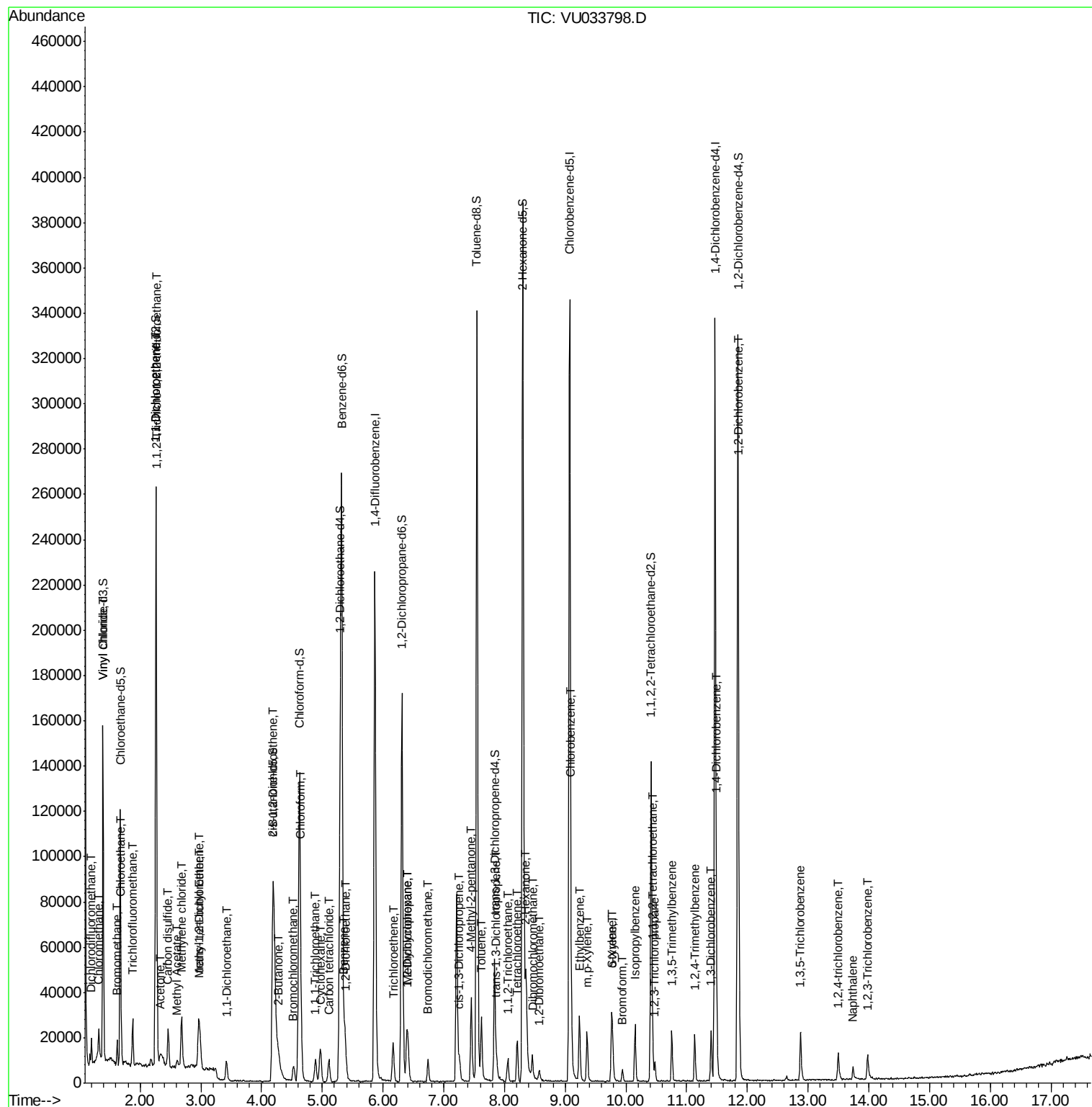
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

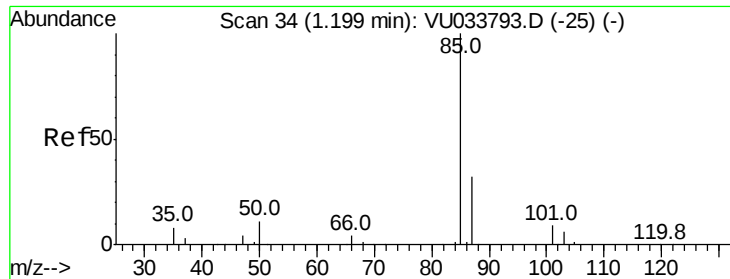
23) Bromochloromethane	4.53	128	2380	0.247	ug/L	78
25) Chloroform	4.65	83	13928	0.351	ug/L	98
27) 1,2-Dichloroethane	5.39	62	5757	0.236	ug/L #	95
29) 1,1,1-Trichloroethane	4.89	97	7906	0.255	ug/L	94
30) Cyclohexane	4.97	56	7306	0.261	ug/L	89
31) Carbon tetrachloride	5.11	117	6872	0.249	ug/L	99
33) Benzene	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	6702	0.289	ug/L	98
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	6680	0.193	ug/L #	88
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

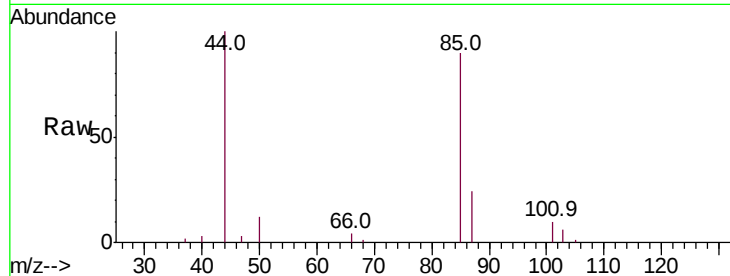
Acq: 14 Aug 2019 13:43

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): VU033798.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033798.D (-1) (-)

1.20

8000

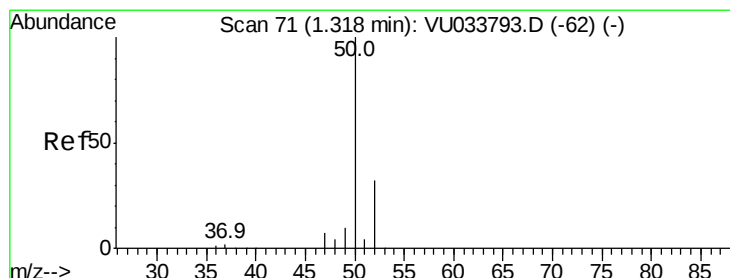
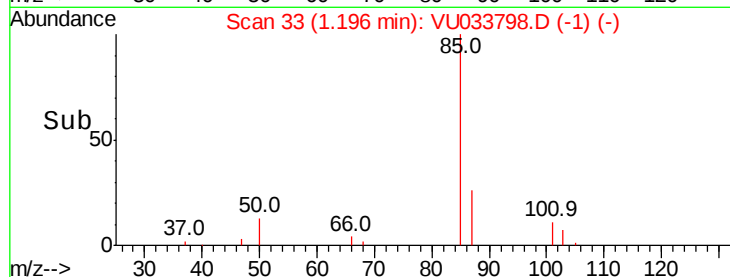
6000

4000

2000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 0.250 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033798.D

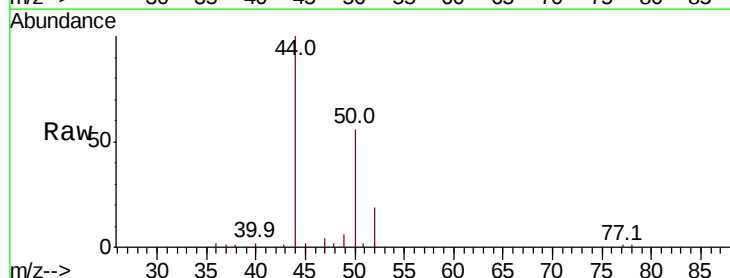
Acq: 14 Aug 2019 13:43

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): VU033798.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033798.D (-1) (-)

1.32

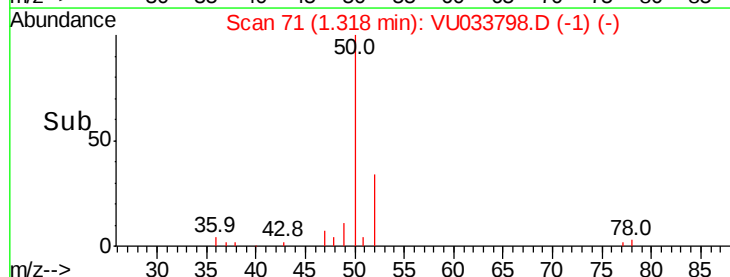
6000

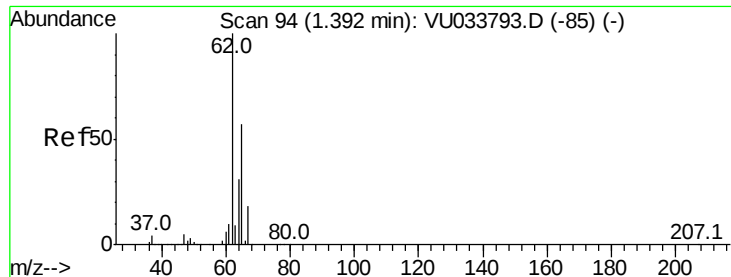
4000

2000

0

Time--> 1.30 1.35





#5

Vinyl chloride

Concen: 0.262 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033798.D

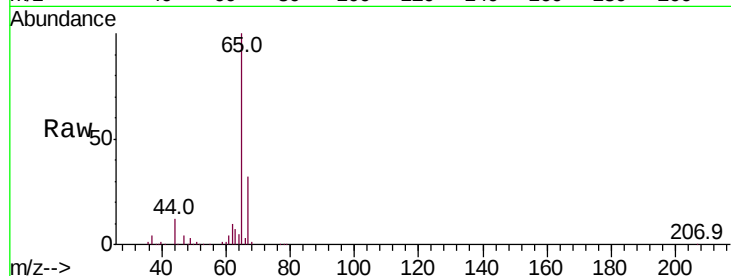
Acq: 14 Aug 2019 13:43

Tot Ion: 62 Resp: 8190

Ion Ratio Lower Upper

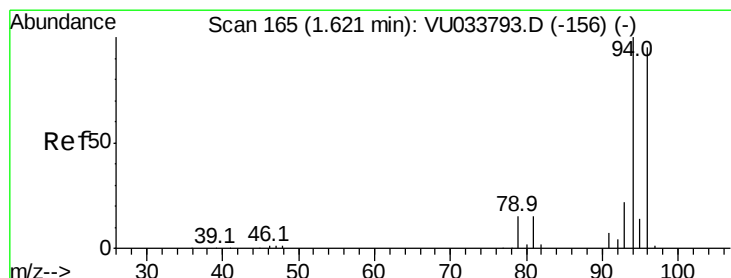
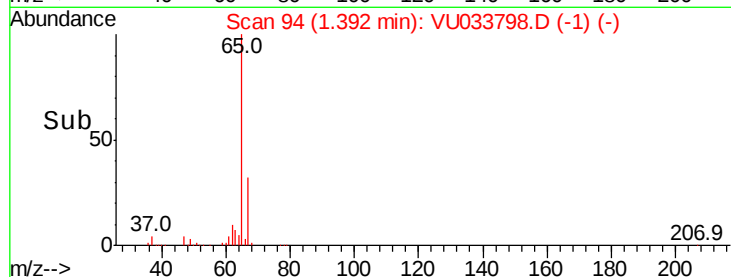
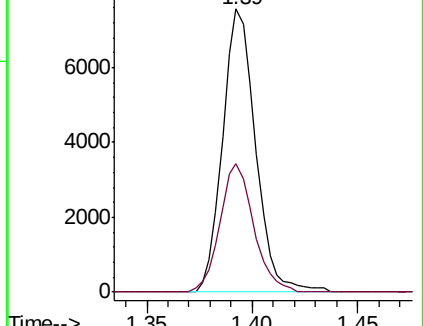
62 100

64 45.4 21.9 40.7#



Abundance Ion 62.00 (61.70 to 62.70): VU033798.D (-85) (-)

Ion 64.00 (63.70 to 64.70): VU033798.D (-85) (-)



#6

Bromomethane

Concen: 0.258 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033798.D

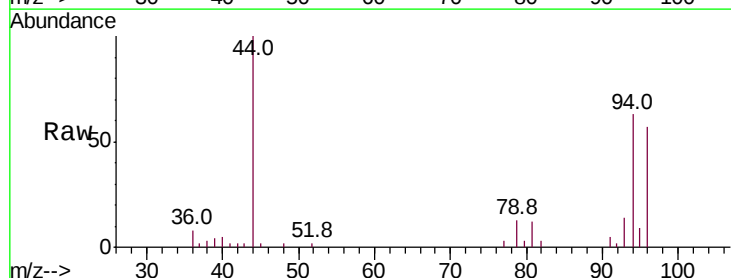
Acq: 14 Aug 2019 13:43

Tgt Ion: 94 Resp: 4681

Ion Ratio Lower Upper

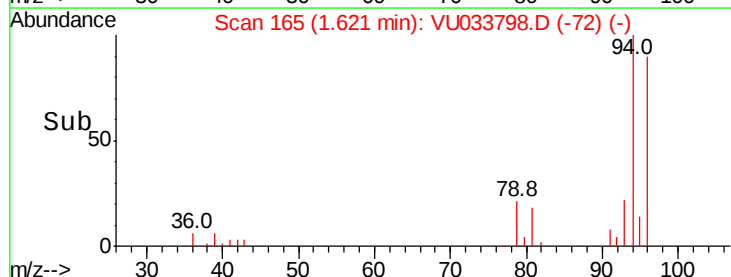
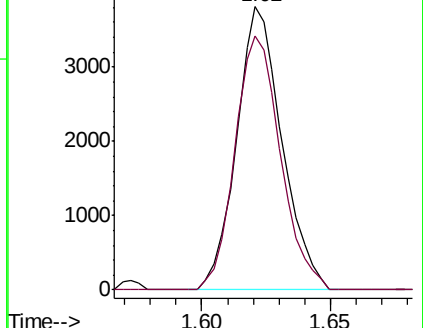
94 100

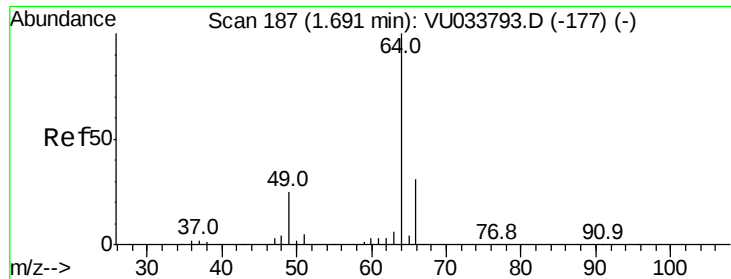
96 89.7 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU033798.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU033798.D (-156) (-)





#8

Chloroethane

Concen: 0.267 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033798.D

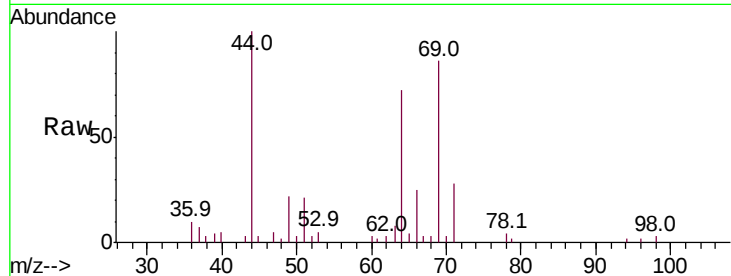
Acq: 14 Aug 2019 13:43

Tot Ion: 64 Resp: 4918

Ion Ratio Lower Upper

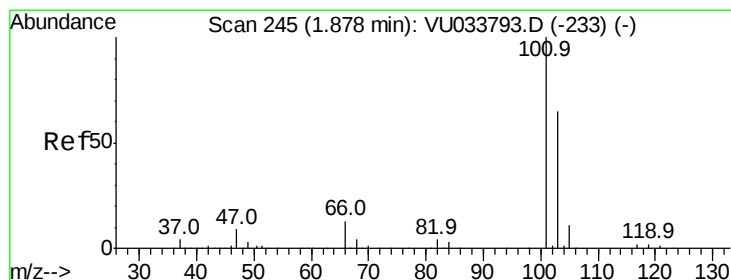
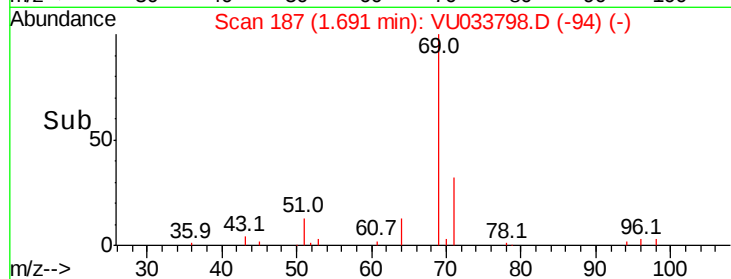
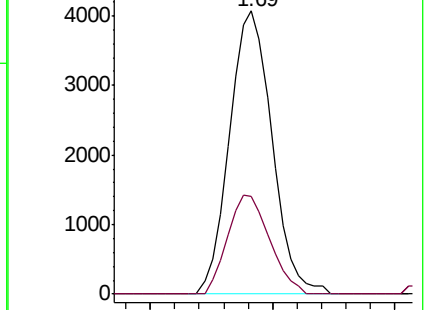
64 100

66 34.6 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU033798.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU033798.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 0.242 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033798.D

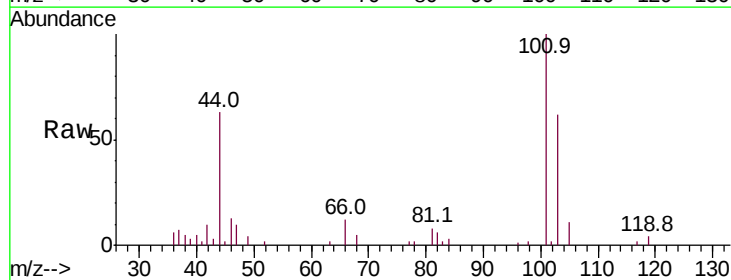
Acq: 14 Aug 2019 13:43

Tgt Ion: 101 Resp: 10334

Ion Ratio Lower Upper

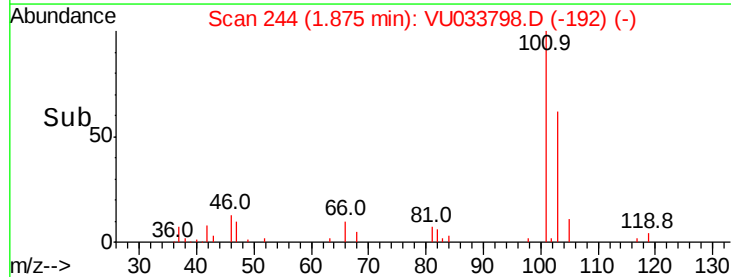
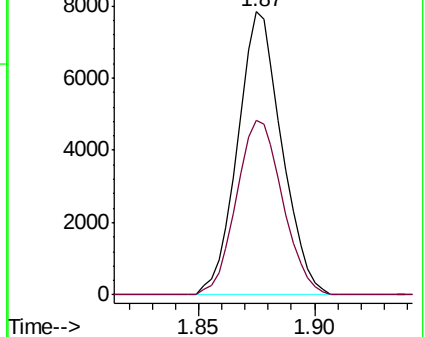
101 100

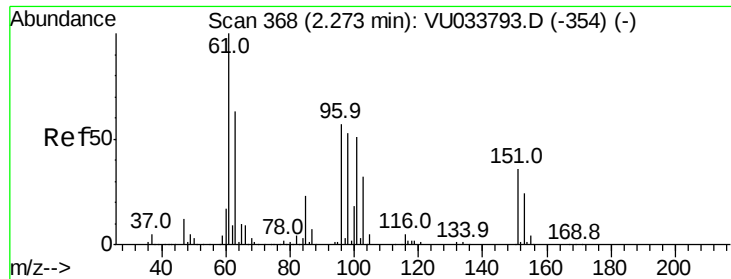
103 64.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU033798.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033798.D (-233) (-)





#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

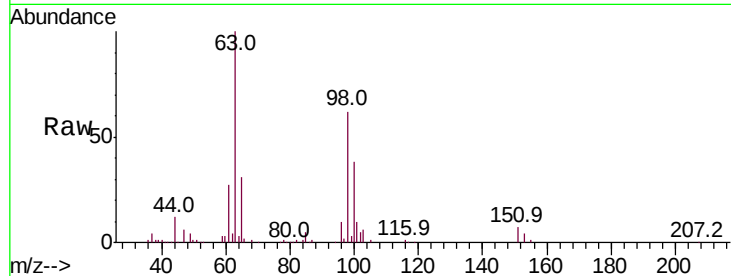
Tot Ion:101 Resp: 7003

Ion Ratio Lower Upper

101 100

85 41.7 36.2 54.2

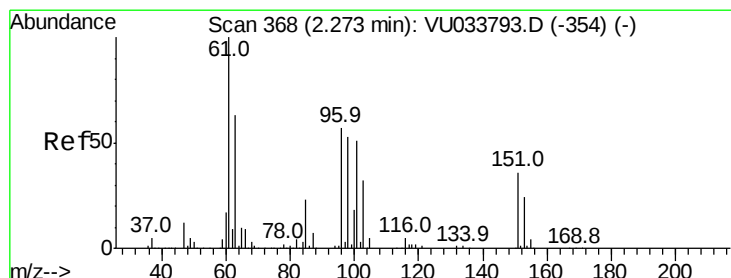
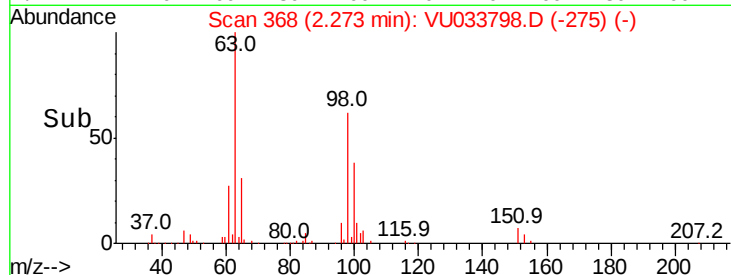
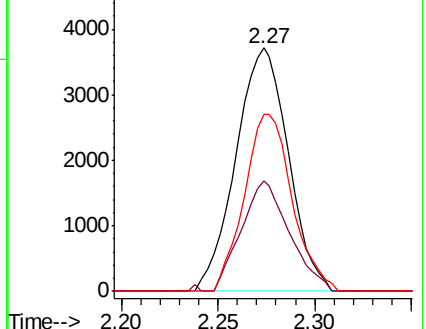
151 66.4 58.7 88.1



Abundance Ion 101.00 (100.70 to 101.70): V

5000 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

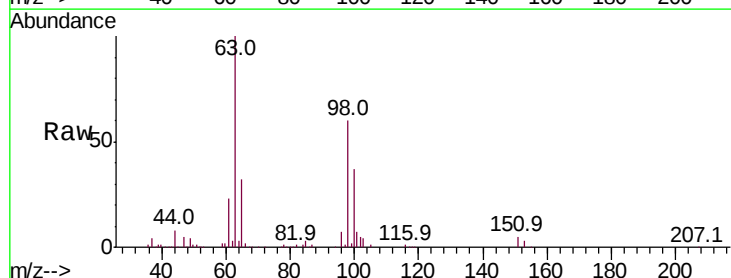
Tgt Ion: 96 Resp: 6776

Ion Ratio Lower Upper

96 100

61 318.5 123.8 230.0#

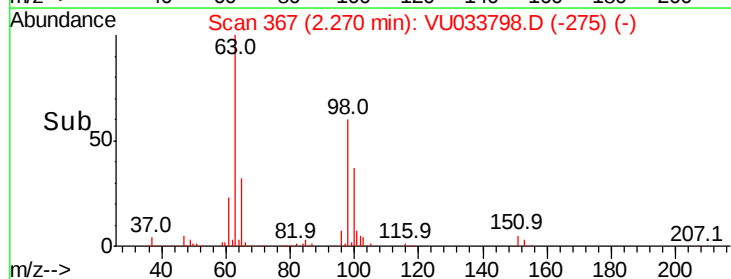
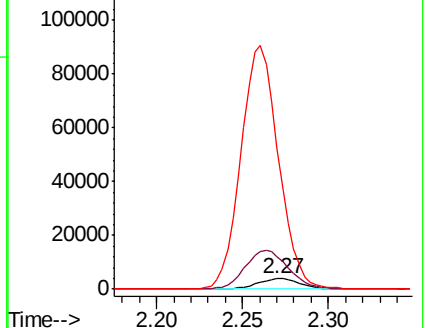
63 1377.5 78.0 144.9#

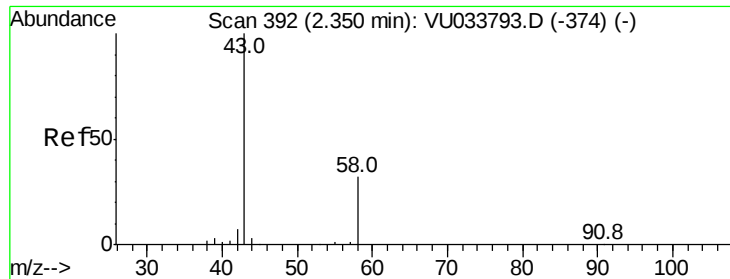


Abundance Ion 96.00 (95.70 to 96.70): VU0

120000 Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.061 ug/L

RT: 2.34 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU033798.D

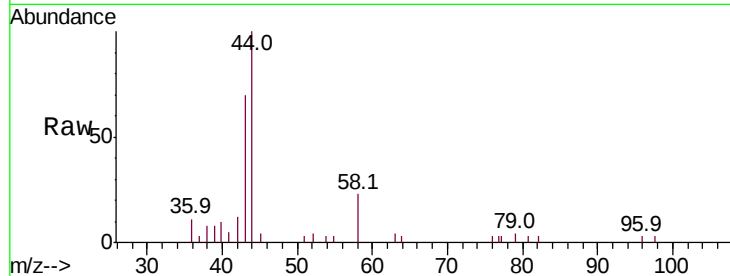
Acq: 14 Aug 2019 13:43

Tot Ion: 43 Resp: 4706

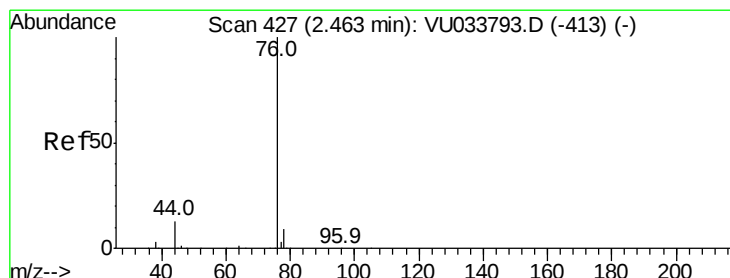
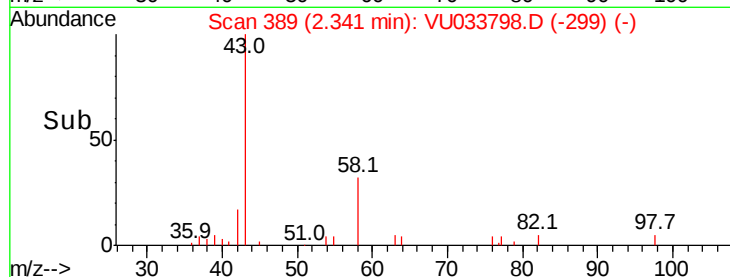
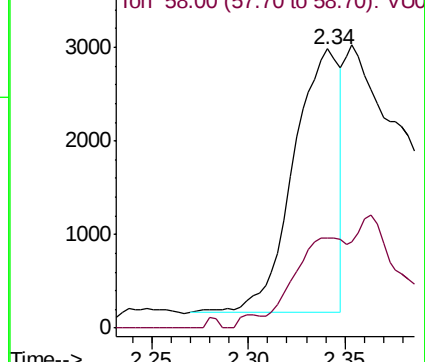
Ion Ratio Lower Upper

43 100

58 40.0 0.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): 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

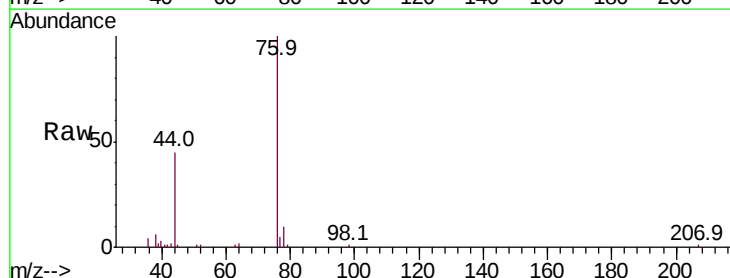
Acq: 14 Aug 2019 13:43

Tgt Ion: 76 Resp: 19754

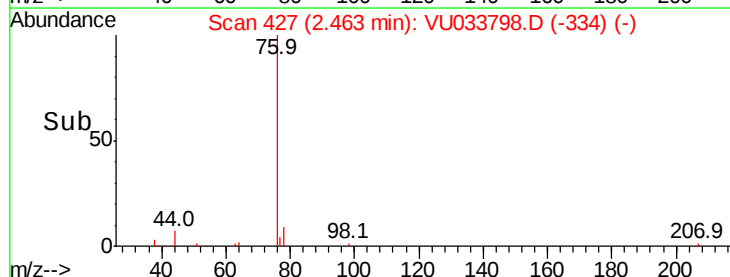
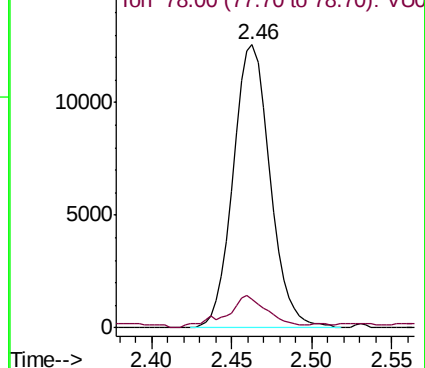
Ion Ratio Lower Upper

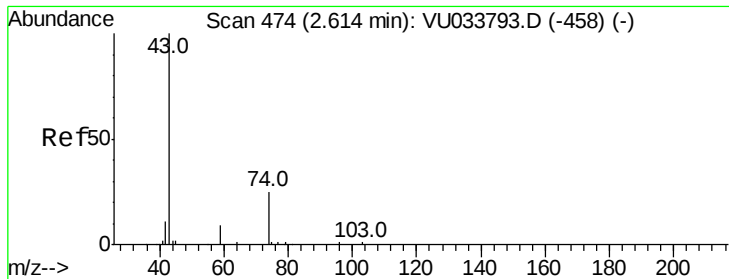
76 100

78 10.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU033798.D (-413) (-)





#15

Methyl Acetate

Concen: 0.258 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

Lab File: VU033798.D

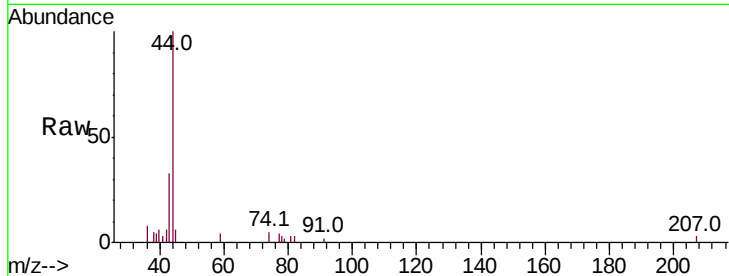
Acq: 14 Aug 2019 13:43

Tot Ion: 43 Resp: 2979

Ion Ratio Lower Upper

43 100

74 19.5 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VU033798.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU033798.D (-458) (-)

2.61

1500

1000

500

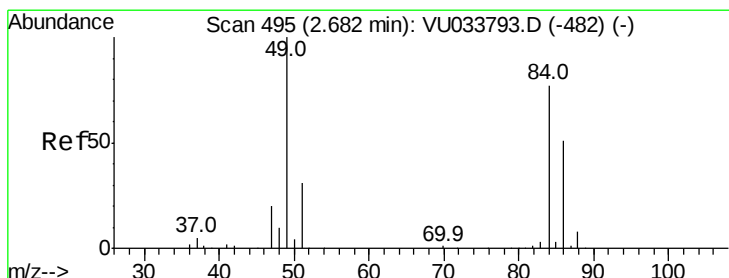
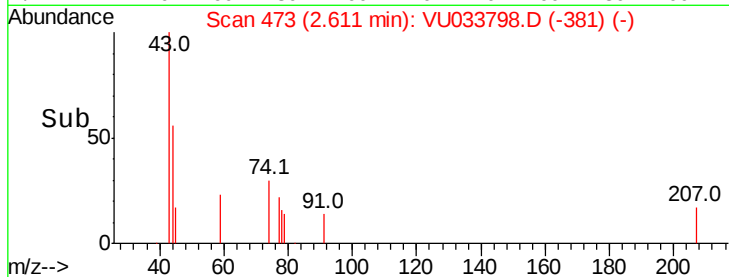
0

Time-->

2.55

2.60

2.65



#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

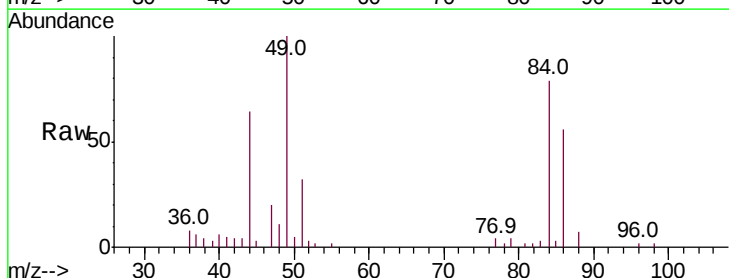
Tgt Ion: 84 Resp: 8647

Ion Ratio Lower Upper

84 100

86 70.1 46.0 85.4

49 126.1 90.4 168.0



Abundance Ion 84.00 (83.70 to 84.70): VU033798.D (-482) (-)

Ion 86.00 (85.70 to 86.70): VU033798.D (-482) (-)

Ion 49.00 (48.70 to 49.70): VU033798.D (-482) (-)

2.68

8000

6000

4000

2000

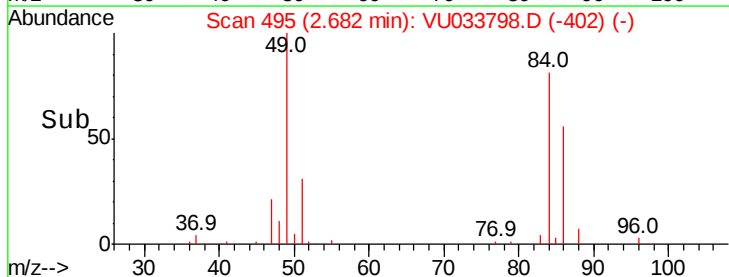
0

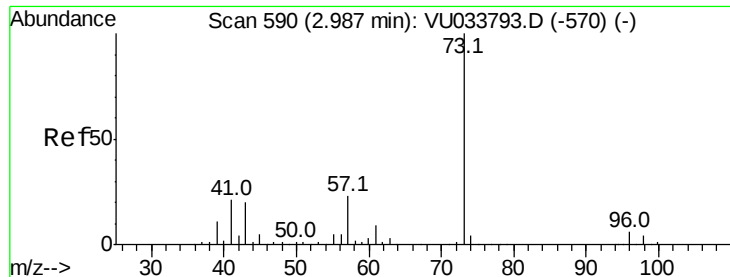
Time-->

2.65

2.70

2.75

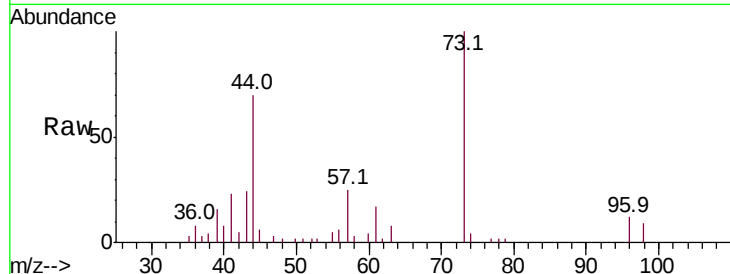




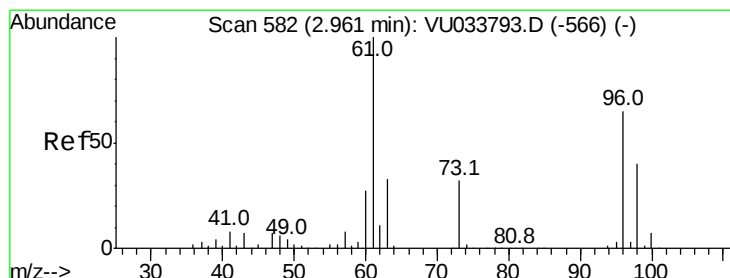
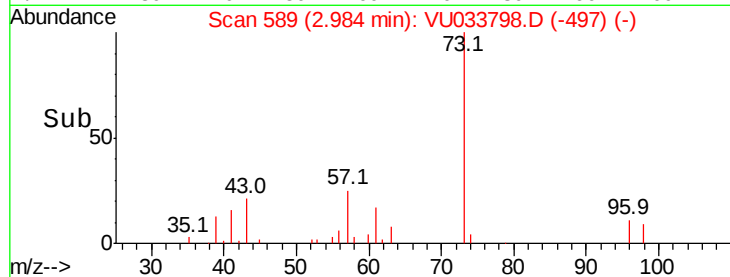
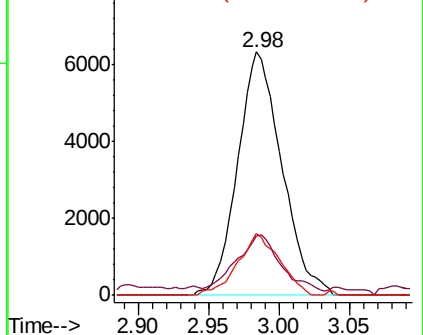
#17

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	Ratio	Lower	Upper
73	100		
43	22.0	16.2	24.4
57	24.0	18.9	28.3



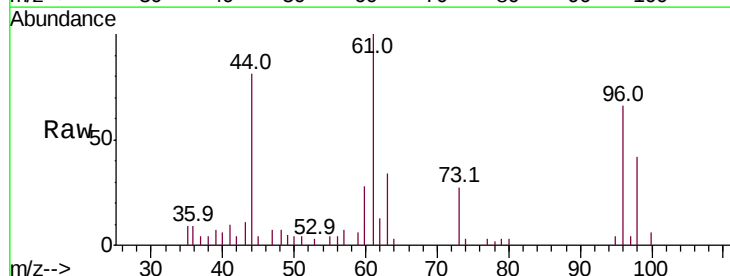
Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



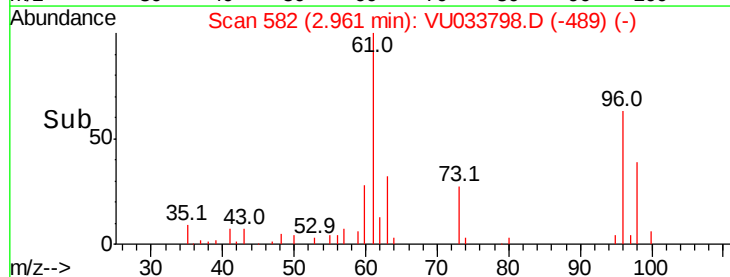
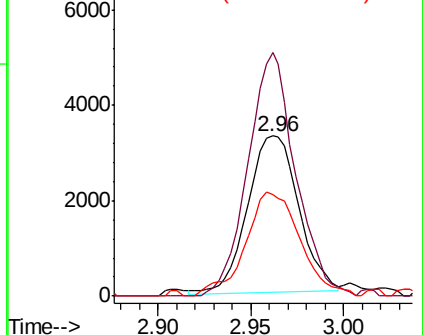
#18

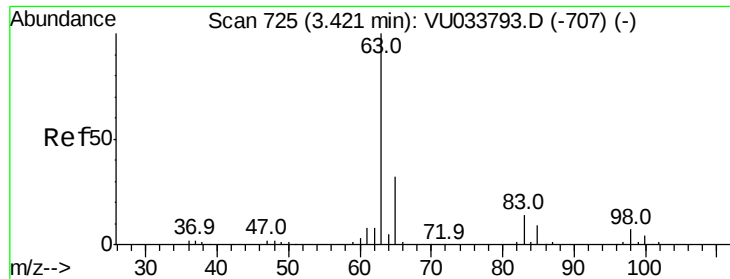
trans-1,2-Dichloroethene
 Concen: 0.269 ug/L
 RT: 2.96 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

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



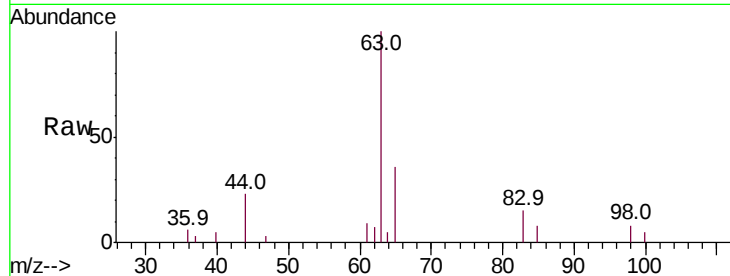
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0



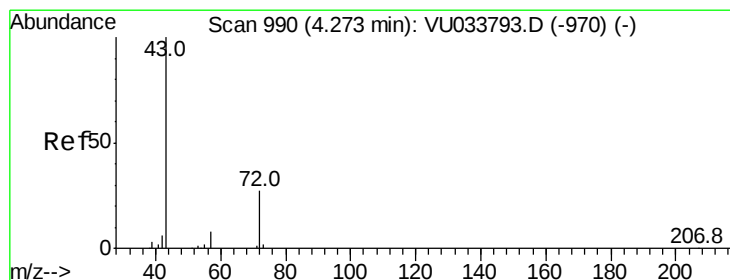
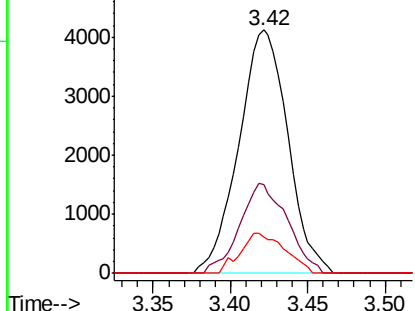
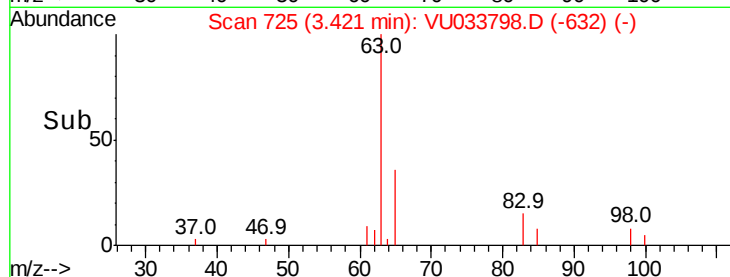


#19
 1,1-Dichloroethane
 Concen: 0.247 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

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

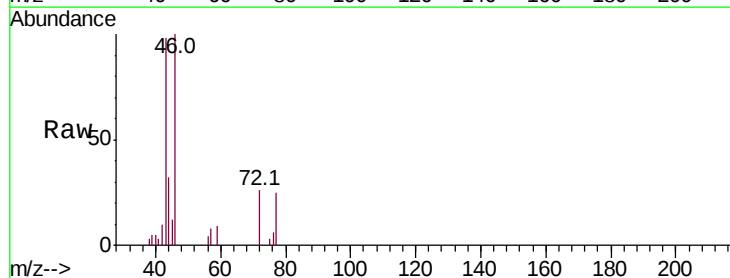


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

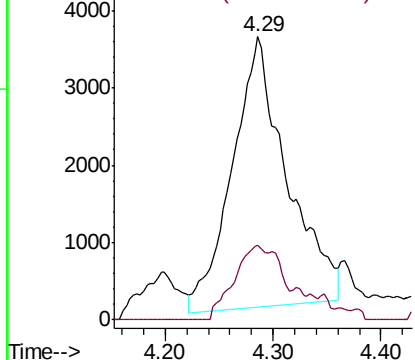
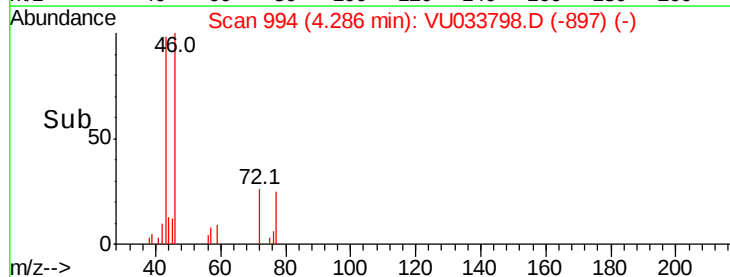


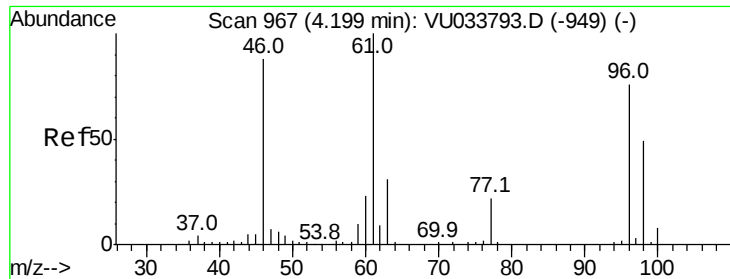
#21
 2-Butanone
 Concen: 2.242 ug/L
 RT: 4.29 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

Tgt Ion: 43 Resp: 12313
 Ion Ratio Lower Upper
 43 100
 72 23.6 13.1 39.1



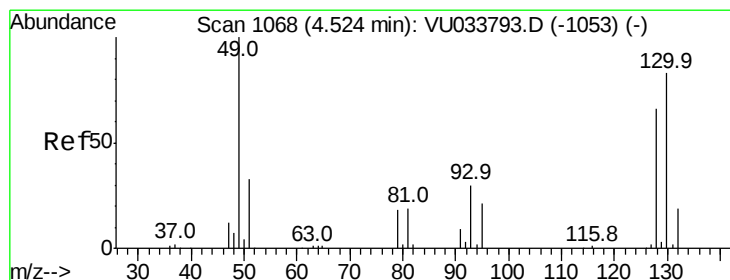
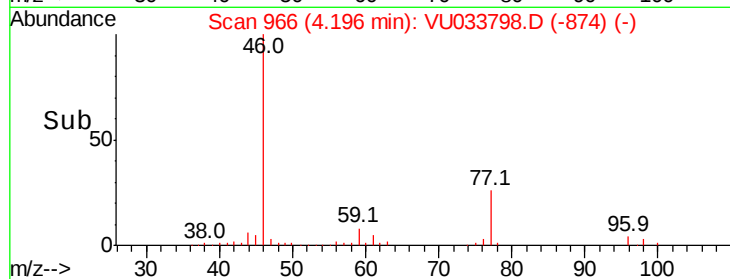
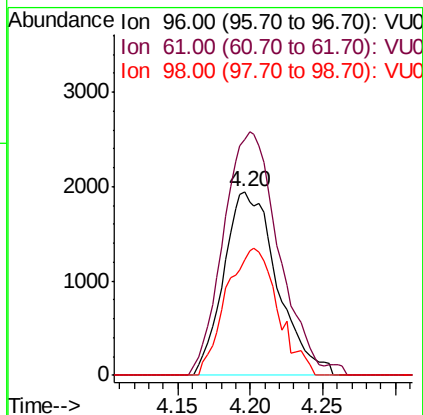
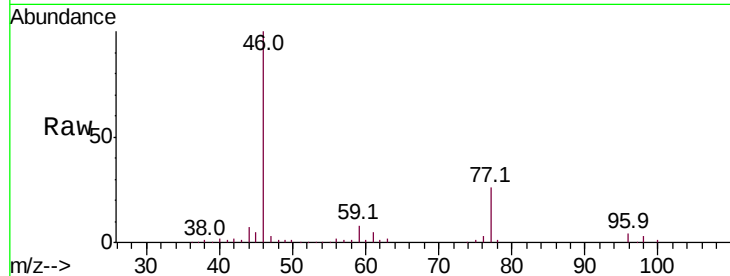
Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0





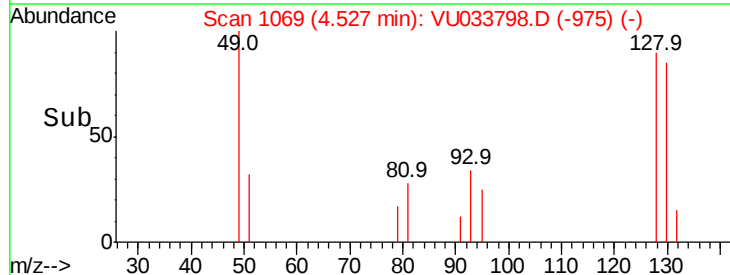
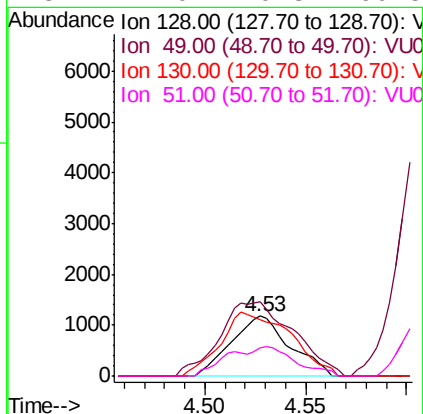
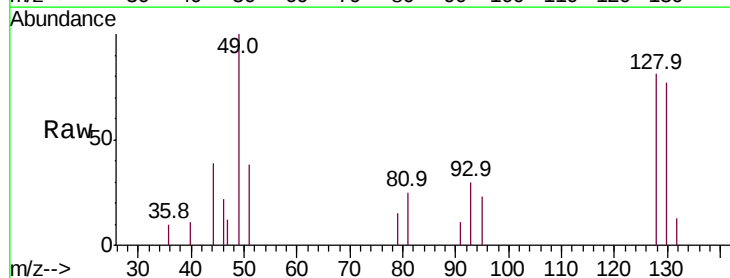
#22
 cis-1,2-Dichloroethene
 Concen: 0.247 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

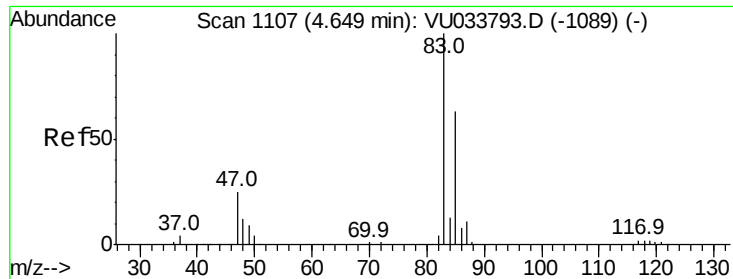
Tot Ion:	96	Resp:	4972
Ion	Ratio	Lower	Upper
96	100		
61	128.9	91.7	170.3
98	63.2	45.1	83.9



#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





#25

Chloroform

Concen: 0.351 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU033798.D

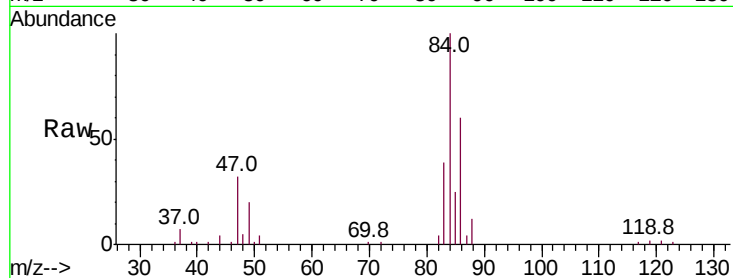
Acq: 14 Aug 2019 13:43

Tot Ion: 83 Resp: 13928

Ion Ratio Lower Upper

83 100

85 64.3 44.2 82.0



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

6000

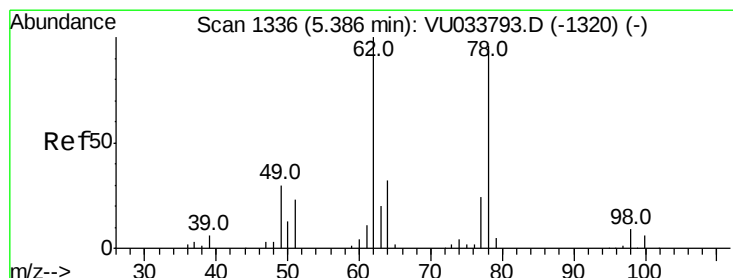
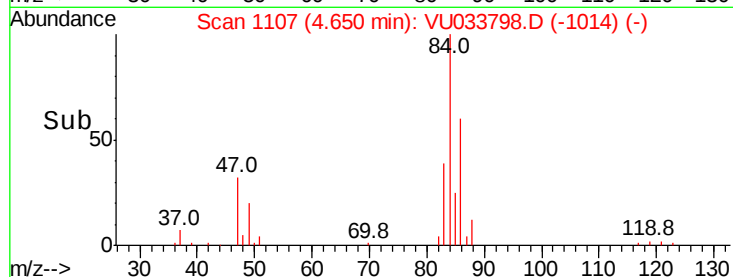
4000

2000

0

4.60 4.65 4.70 4.75

Time-->



#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

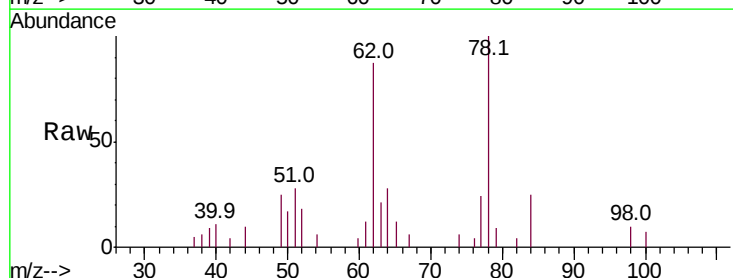
Acq: 14 Aug 2019 13:43

Tgt Ion: 62 Resp: 5757

Ion Ratio Lower Upper

62 100

98 11.2 7.4 11.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

3000

2500

2000

1500

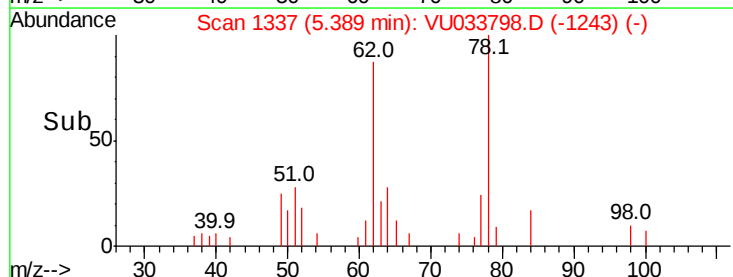
1000

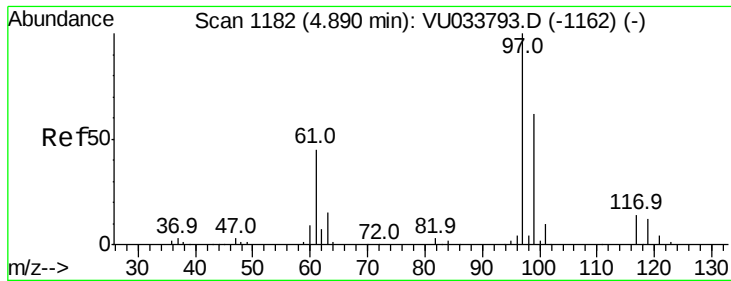
500

0

5.35 5.40 5.45

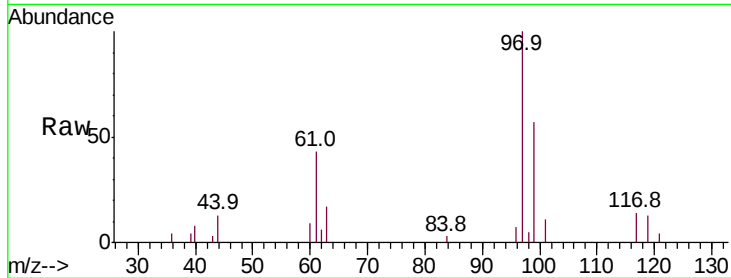
Time-->



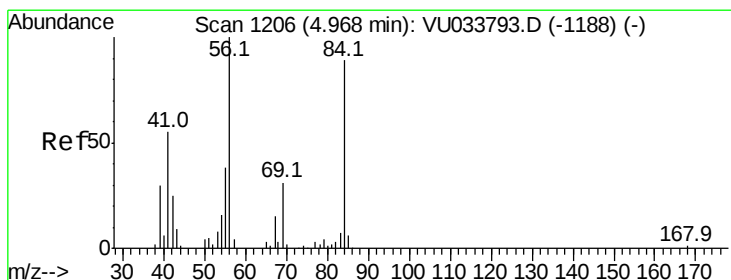
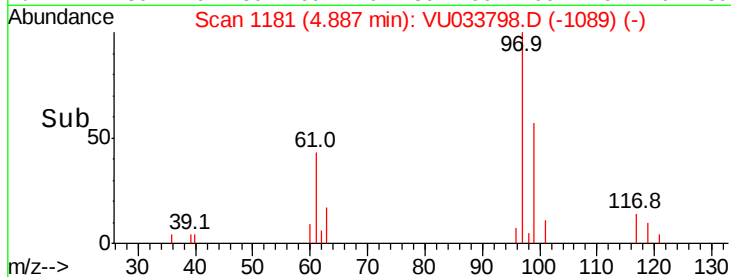
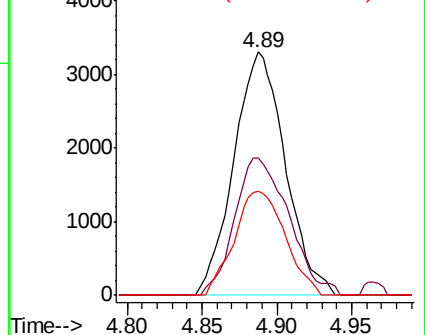


#29
1,1,1-Trichloroethane
Concen: 0.255 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033798.D
Acq: 14 Aug 2019 13:43

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

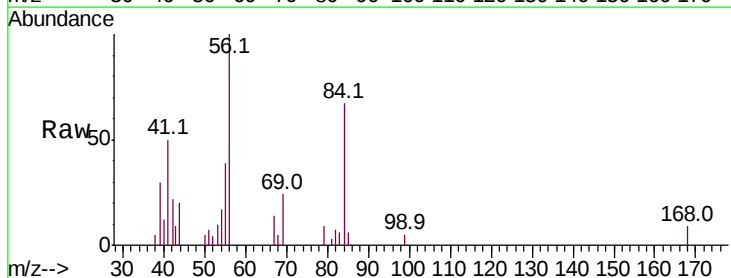


Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.00 (60.70 to 61.70): VU0

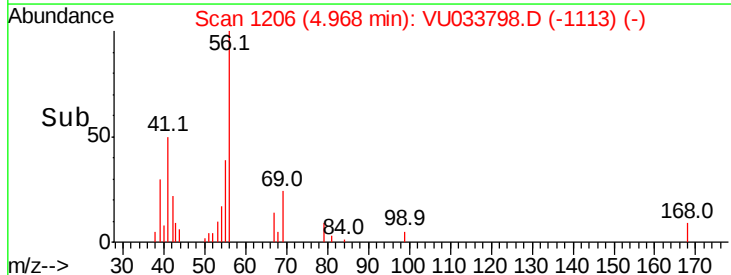
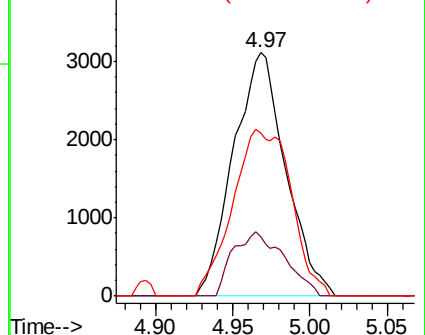


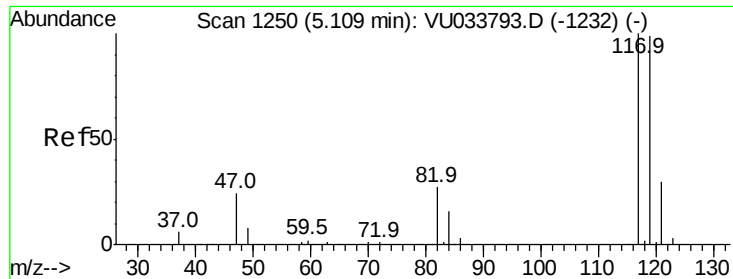
#30
Cyclohexane
Concen: 0.261 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU033798.D
Acq: 14 Aug 2019 13:43

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

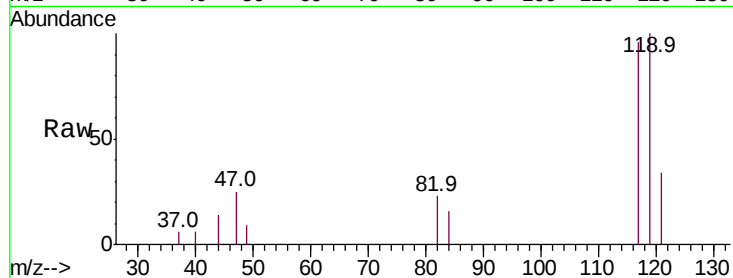
Acq: 14 Aug 2019 13:43

Tot Ion:117 Resp: 6872

Ion Ratio Lower Upper

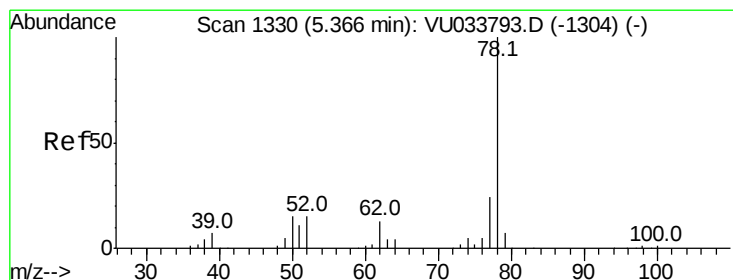
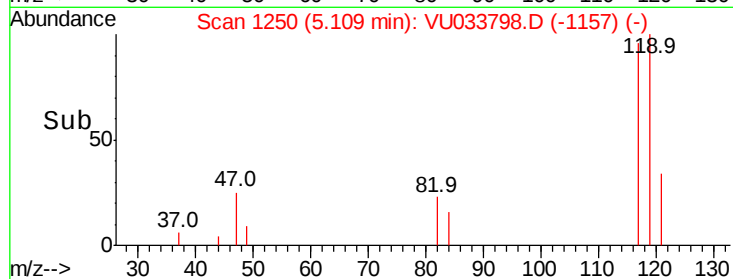
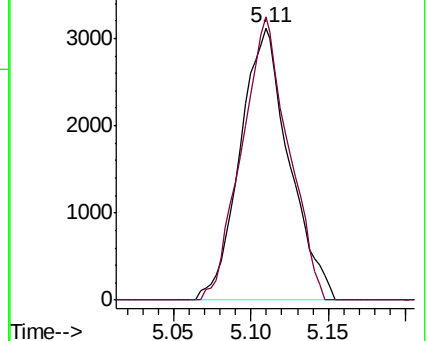
117 100

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

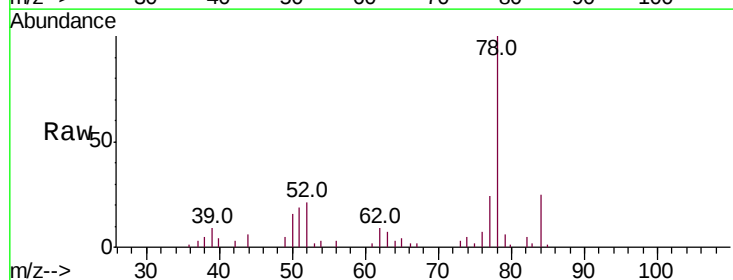
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

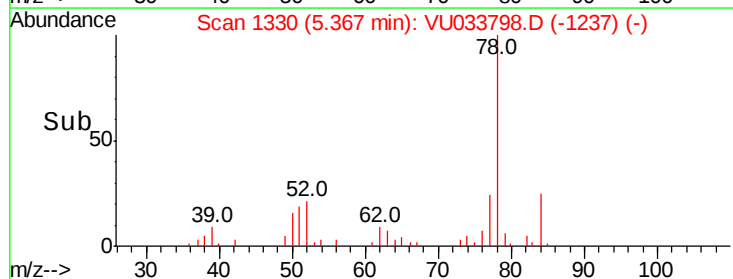
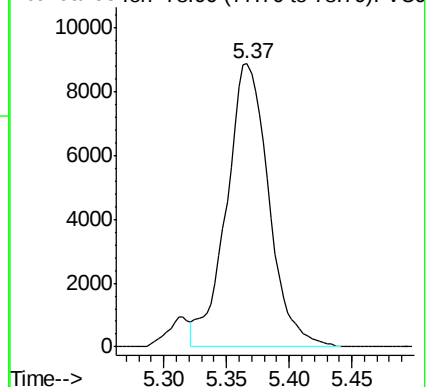
Lab File: VU033798.D

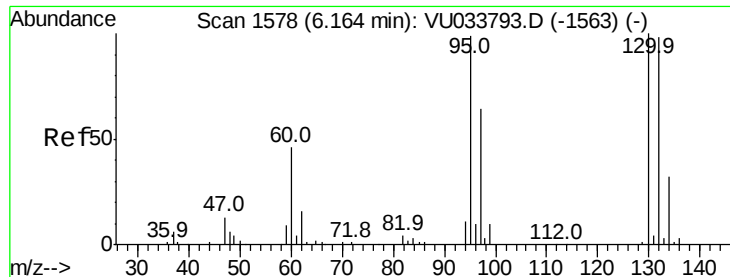
Acq: 14 Aug 2019 13:43

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

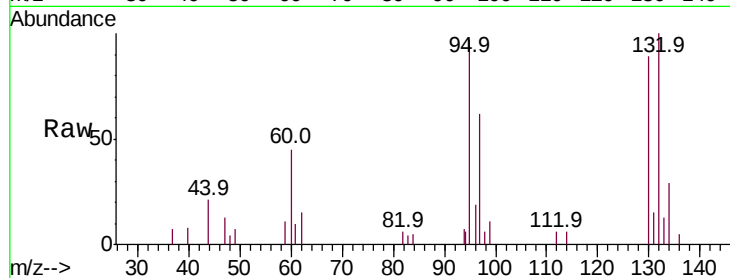
Ion Ratio Lower Upper

95 100

97 63.4 45.4 84.4

132 103.1 68.9 127.9

130 91.7 70.5 130.9

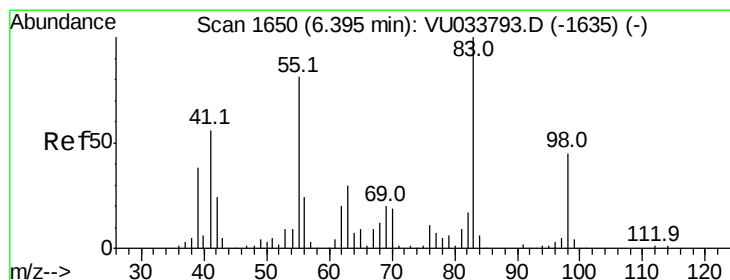
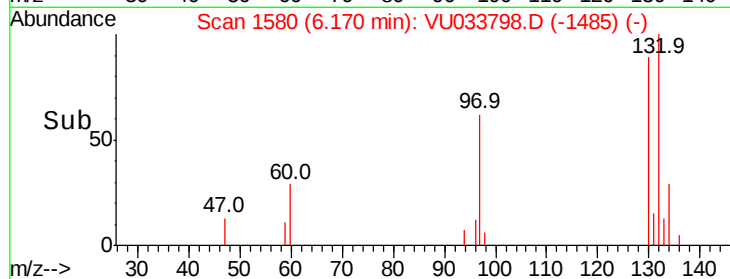
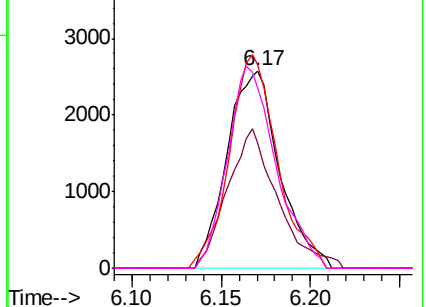


Abundance Ion 95.00 (94.70 to 95.70): VU0

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

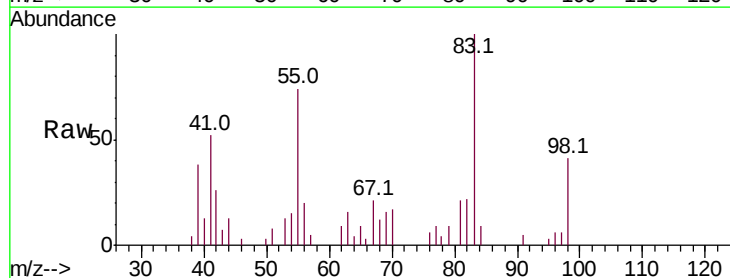
Tgt Ion: 83 Resp: 7147

Ion Ratio Lower Upper

83 100

55 78.4 65.0 97.6

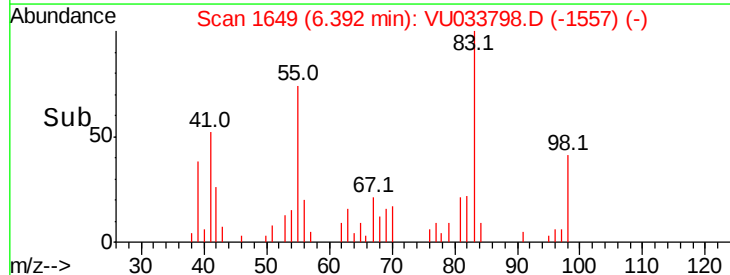
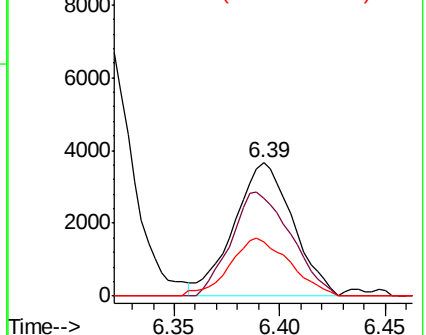
98 44.3 36.2 54.4

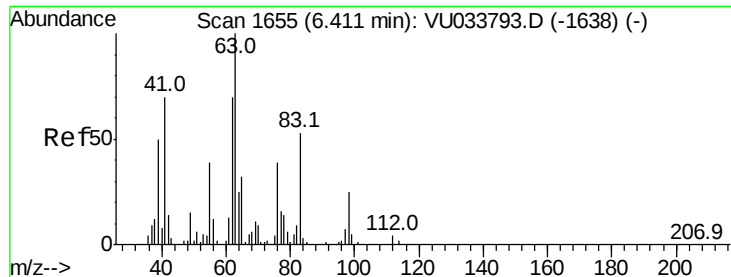


Abundance Ion 83.00 (82.70 to 83.70): VU0

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

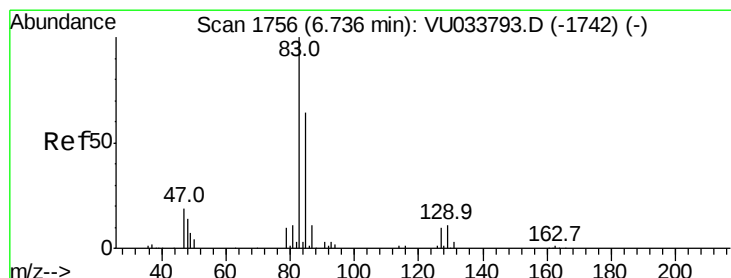
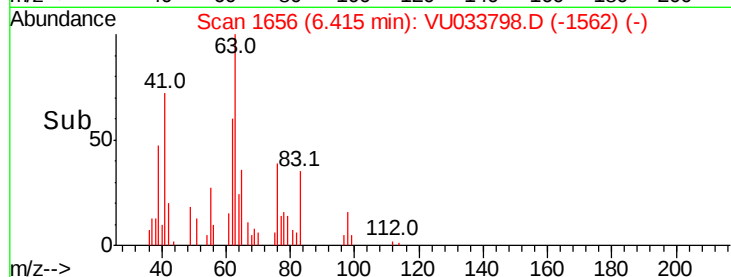
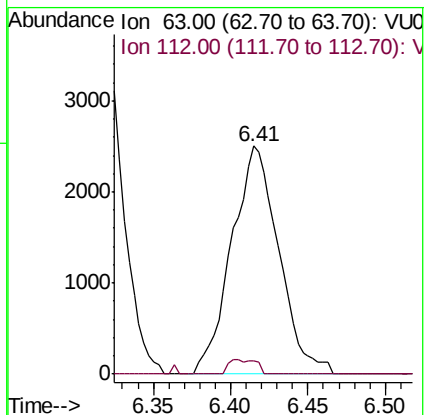
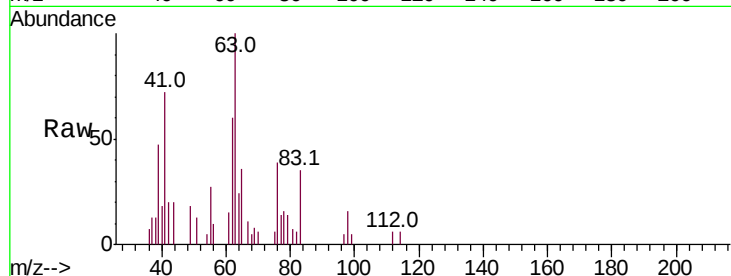
Acq: 14 Aug 2019 13:43

Tot Ion: 63 Resp: 5304

Ion Ratio Lower Upper

63 100

112 2.1 3.3 4.9#



#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

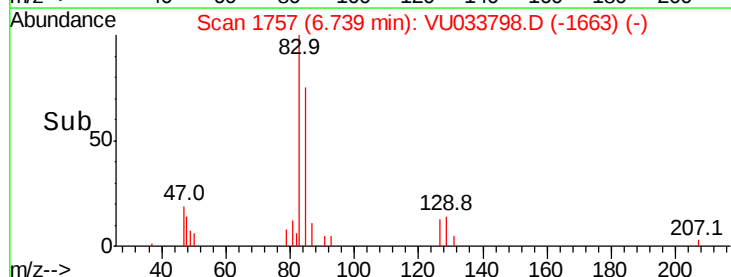
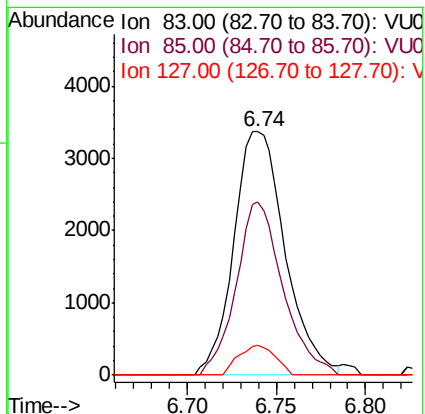
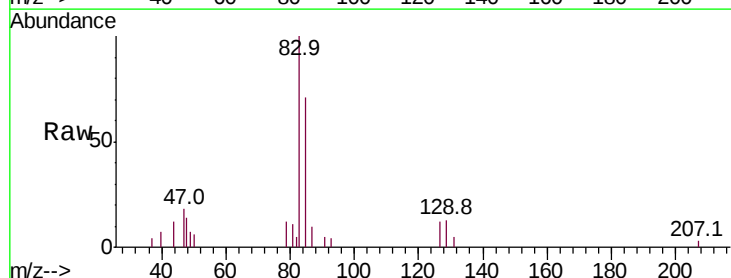
Tgt Ion: 83 Resp: 6779

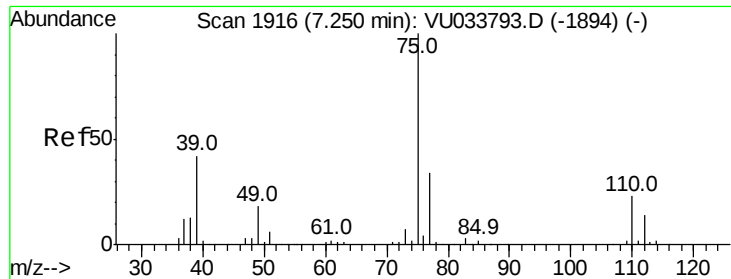
Ion Ratio Lower Upper

83 100

85 71.1 45.0 83.6

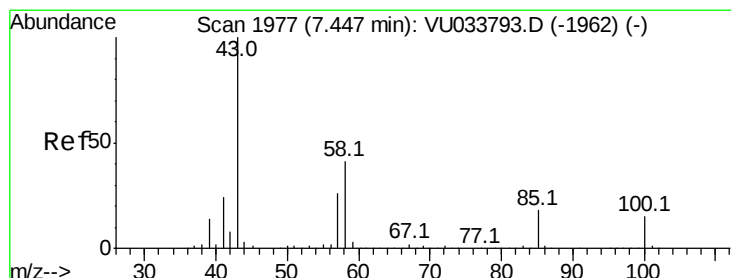
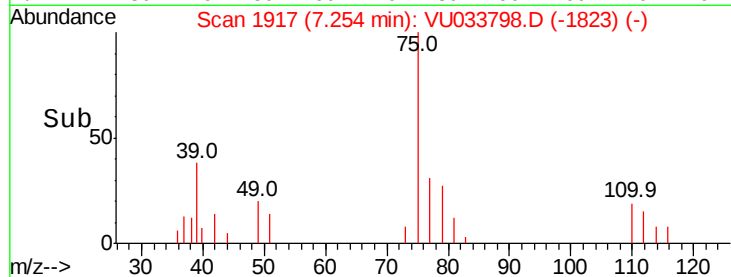
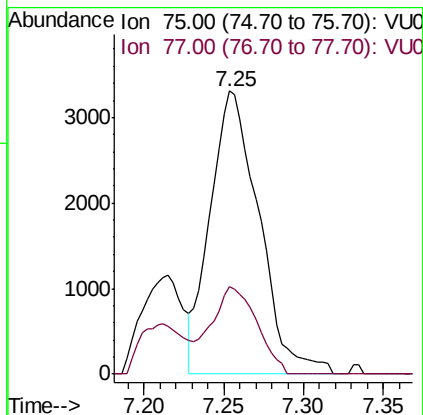
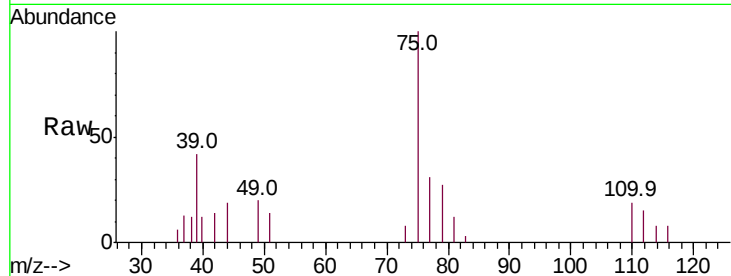
127 12.1 7.8 11.6#





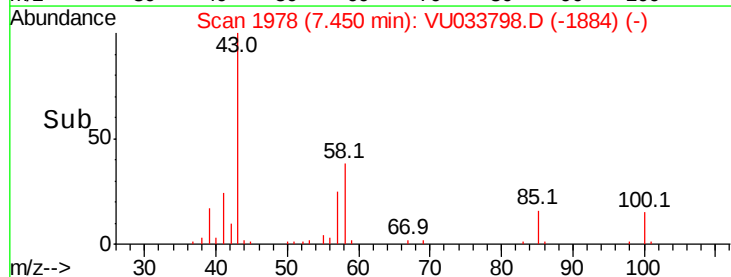
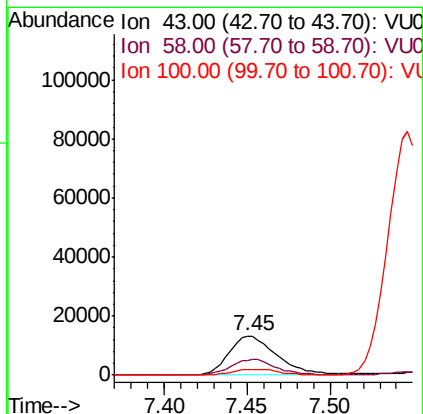
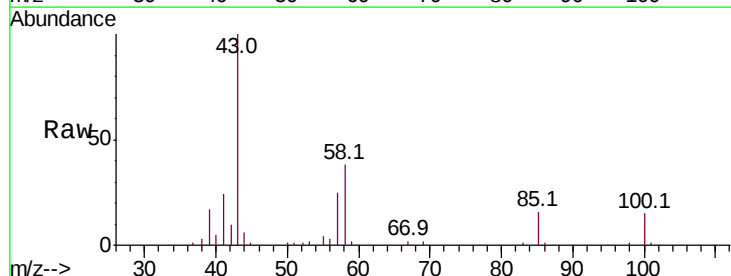
#39
 cis-1,3-Dichloropropene
 Concen: 0.252 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

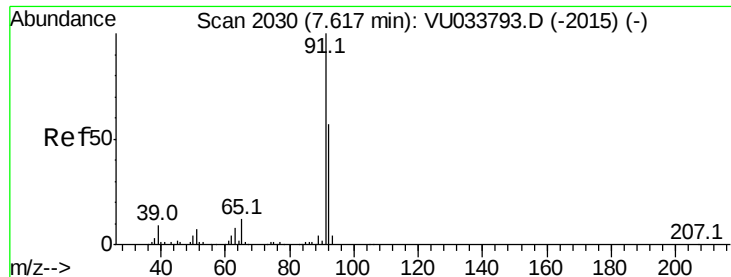
Tot Ion: 75 Resp: 6987
 Ion Ratio Lower Upper
 75 100
 77 31.1 23.6 43.8



#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

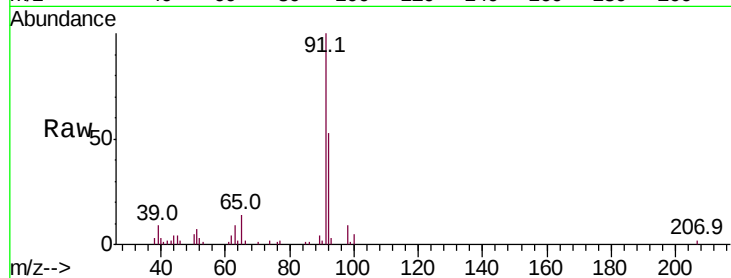
Acq: 14 Aug 2019 13:43

Tot Ion: 91 Resp: 19821

Ion Ratio Lower Upper

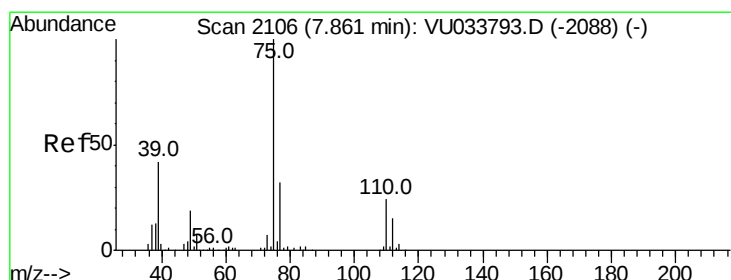
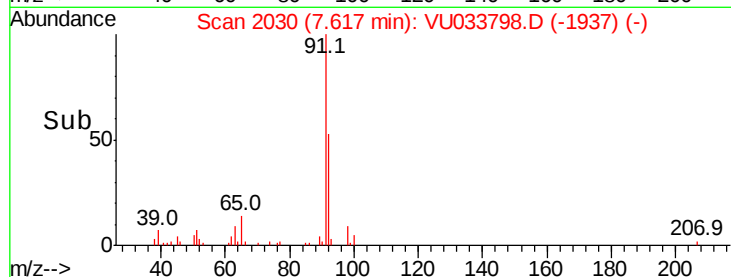
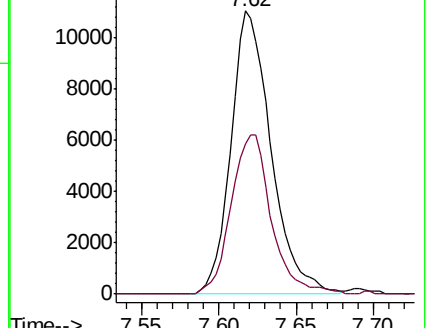
91 100

92 53.2 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU033798.D (-2015) (-)

Ion 92.00 (91.70 to 92.70): VU033798.D (-2015) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.289 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU033798.D

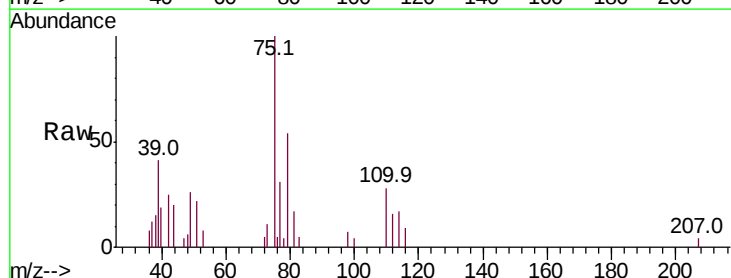
Acq: 14 Aug 2019 13:43

Tgt Ion: 75 Resp: 6702

Ion Ratio Lower Upper

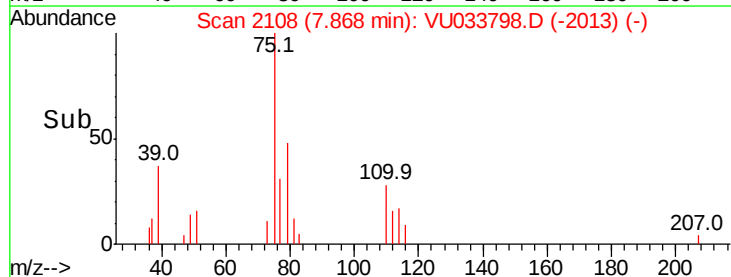
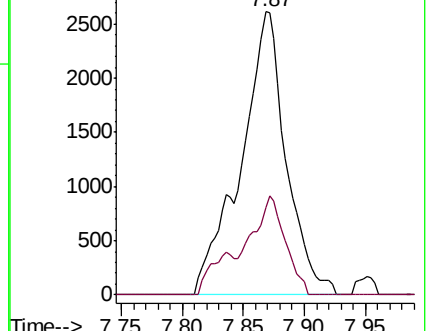
75 100

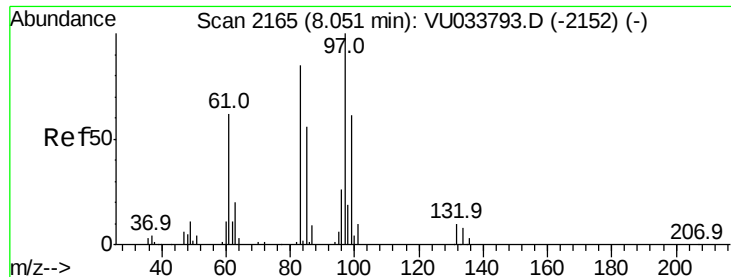
77 30.7 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU033798.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033798.D (-2088) (-)





#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

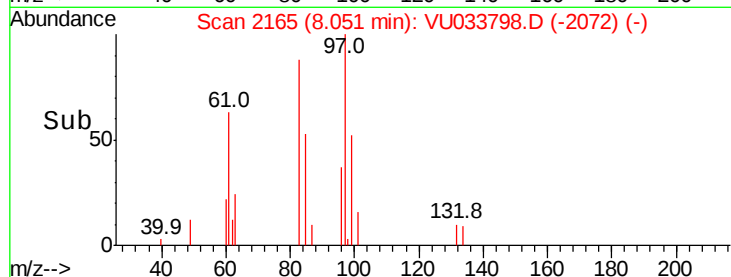
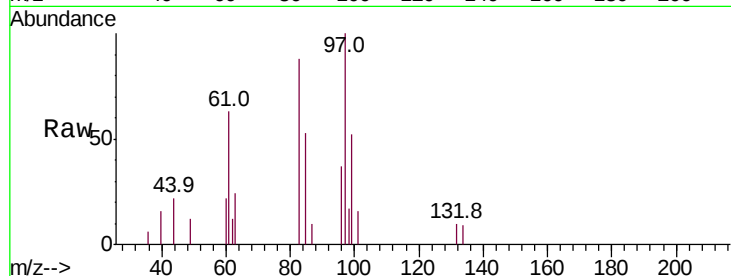
Ion	Ratio	Lower	Upper
97	100		
99	52.3	42.6	79.0
83	87.8	59.8	111.1
85	52.9	39.3	72.9

97 100

99 52.3 42.6 79.0

83 87.8 59.8 111.1

85 52.9 39.3 72.9

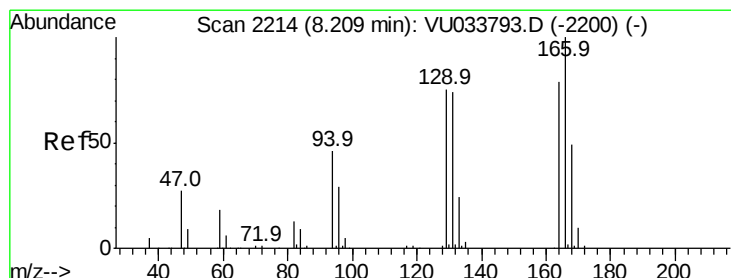
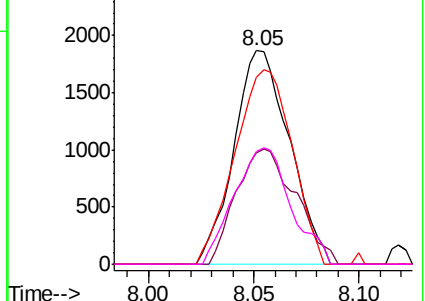


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#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

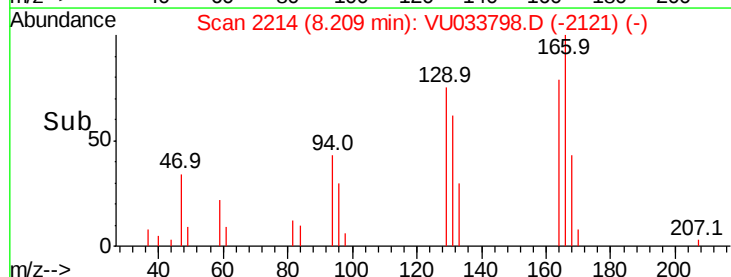
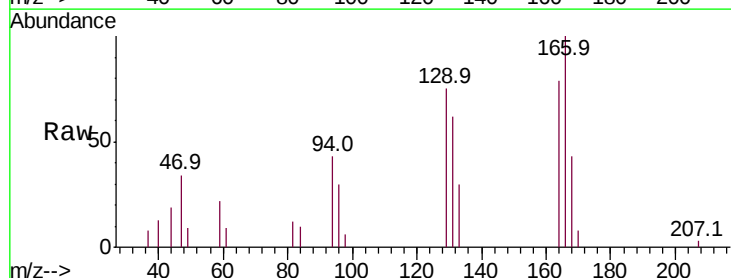
Ion	Ratio	Lower	Upper
164	100		
129	95.4	66.1	122.7
131	78.3	65.2	121.2
166	126.9	88.5	164.4

164 100

129 95.4 66.1 122.7

131 78.3 65.2 121.2

166 126.9 88.5 164.4

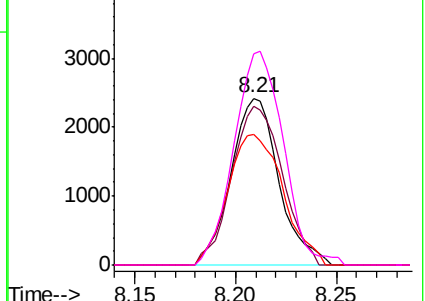


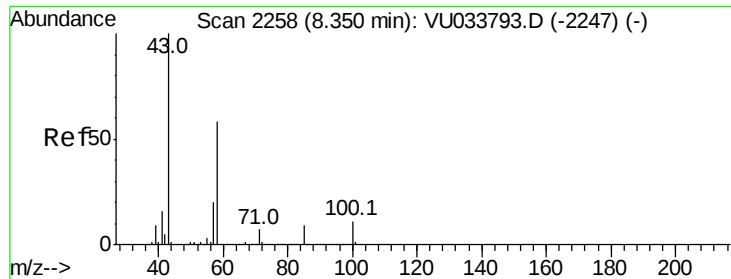
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 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

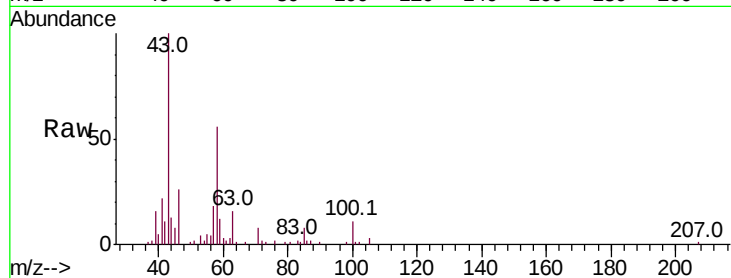
Ion Ratio Lower Upper

43 100

58 57.7 45.2 67.8

57 20.1 15.7 23.5

100 10.3 8.6 13.0



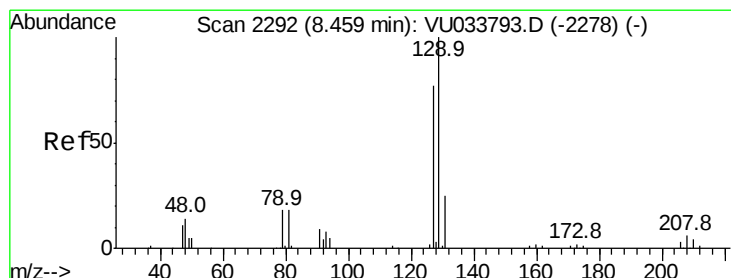
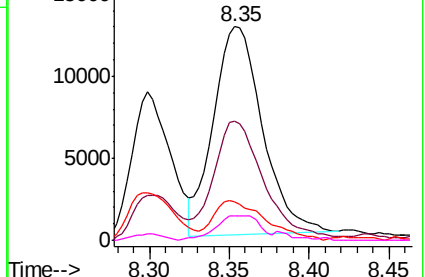
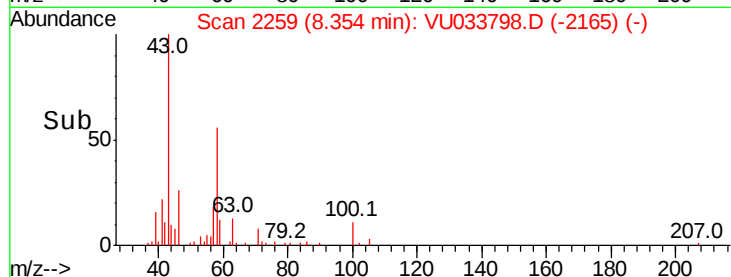
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

Time-->



#49

Dibromochloromethane

Concen: 0.256 ug/L

RT: 8.46 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU033798.D

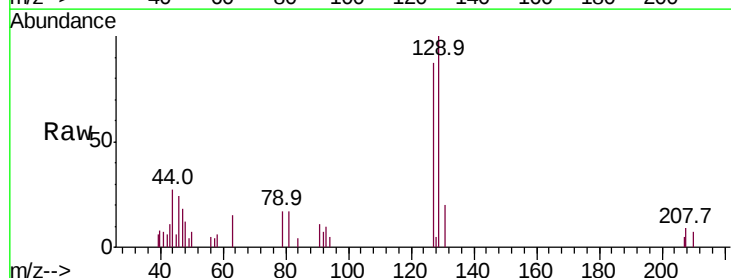
Acq: 14 Aug 2019 13:43

Tgt Ion: 129 Resp: 4558

Ion Ratio Lower Upper

129 100

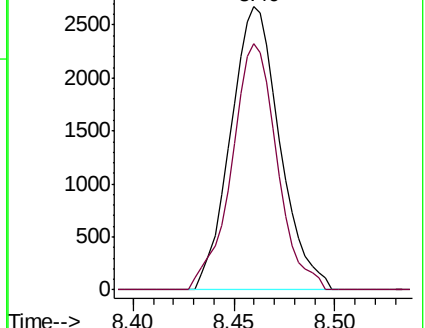
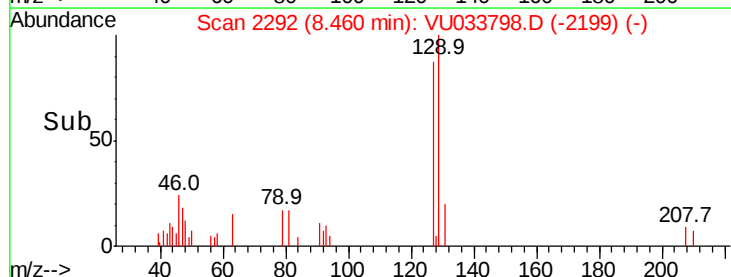
127 87.1 54.2 100.6

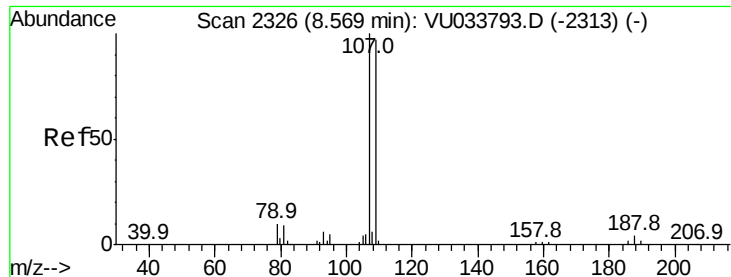


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

Time-->





#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

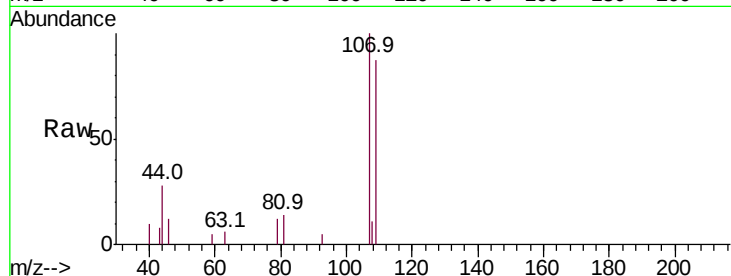
Tot Ion:107 Resp: 3412

Ion Ratio Lower Upper

107 100

109 87.0 68.3 126.8

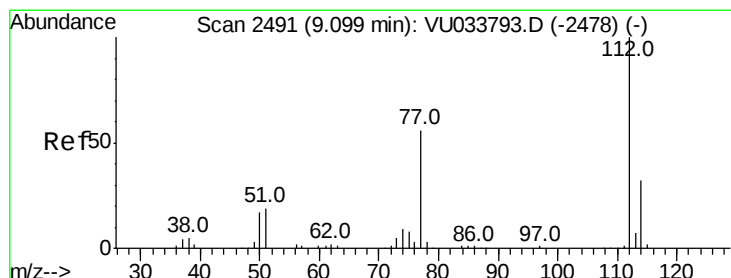
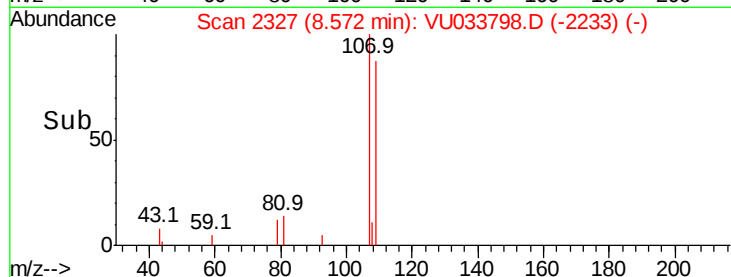
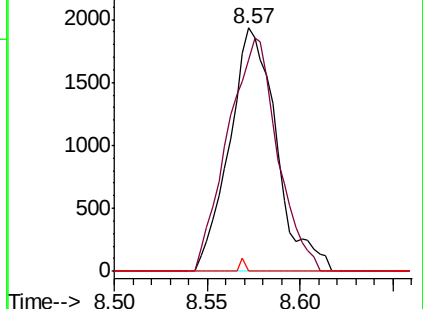
188 0.0 3.0 4.6#



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

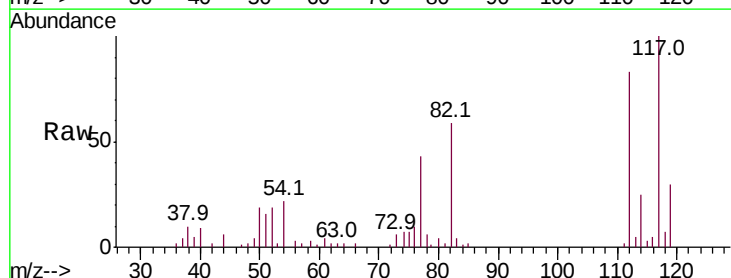
Tgt Ion:112 Resp: 13792

Ion Ratio Lower Upper

112 100

114 30.5 22.5 41.7

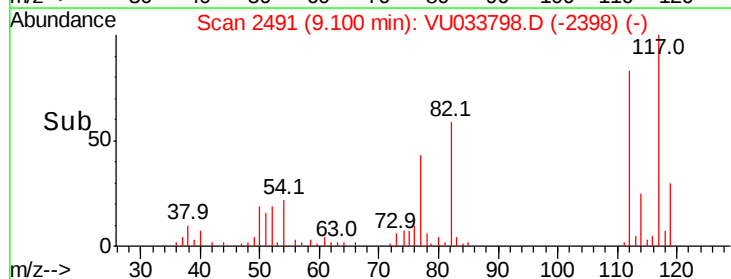
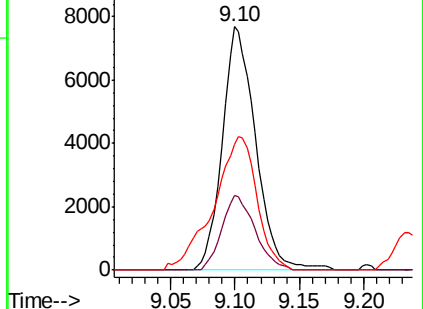
77 51.5 45.3 67.9

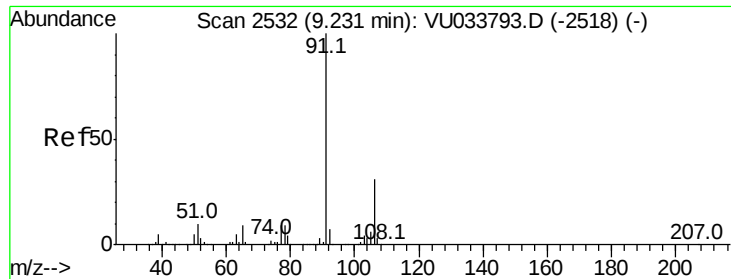


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 0.236 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033798.D

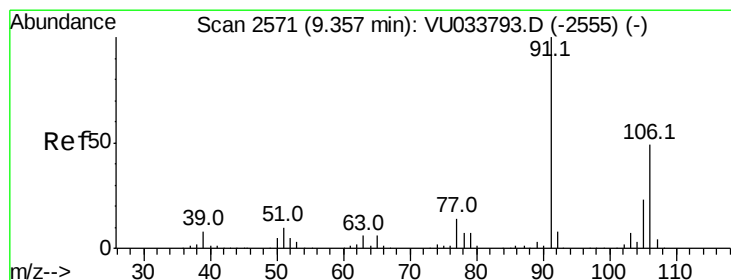
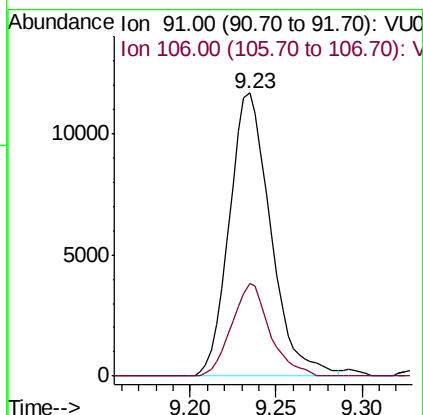
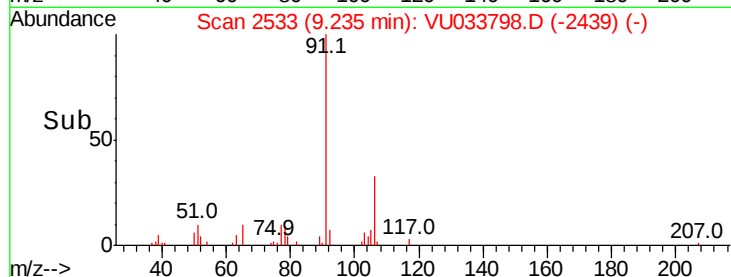
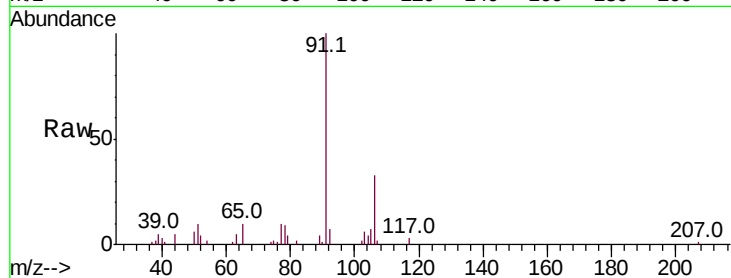
Acq: 14 Aug 2019 13:43

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

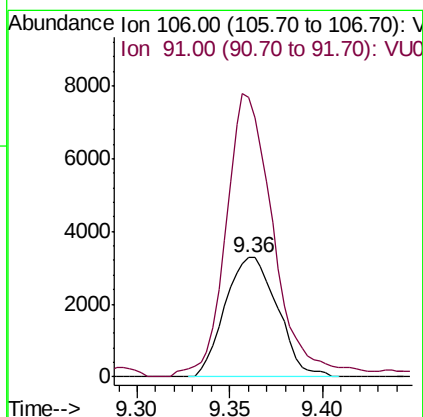
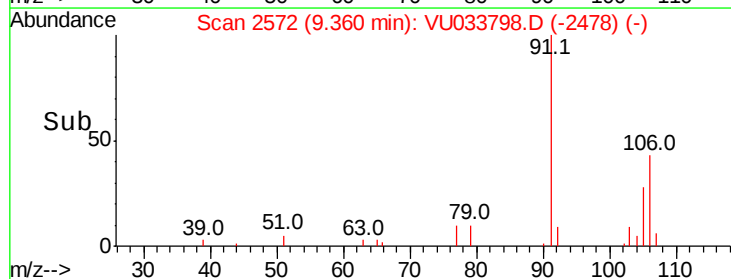
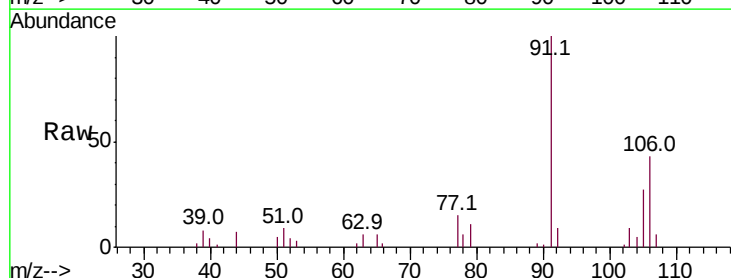
Acq: 14 Aug 2019 13:43

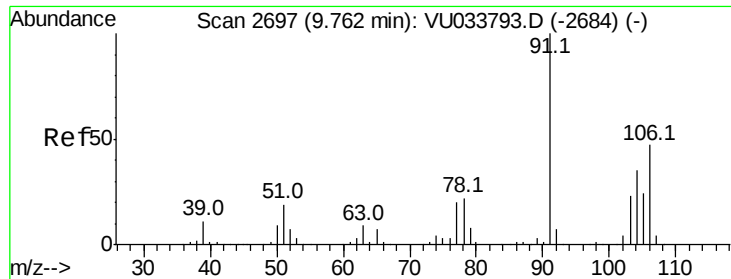
Tgt Ion:106 Resp: 6482

Ion Ratio Lower Upper

106 100

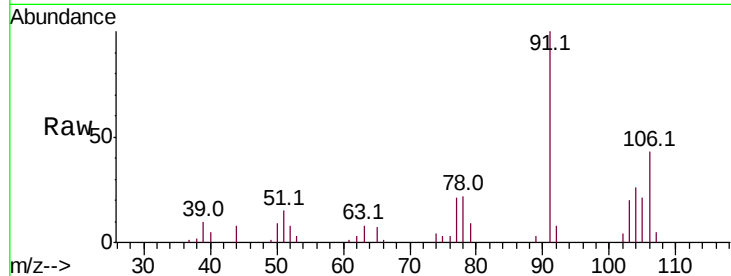
91 234.5 142.7 265.1



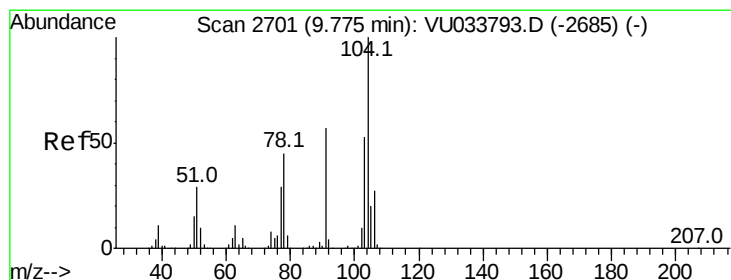
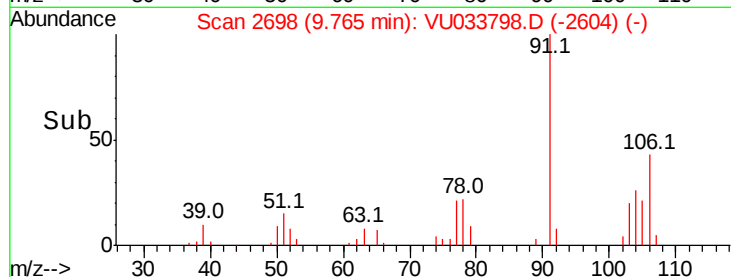
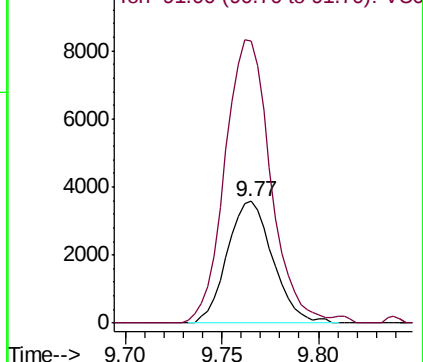


#54
o-Xylene
Concen: 0.198 ug/L
RT: 9.77 min Scan# 2698
Delta R.T. 0.00 min
Lab File: VU033798.D
Acq: 14 Aug 2019 13:43

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

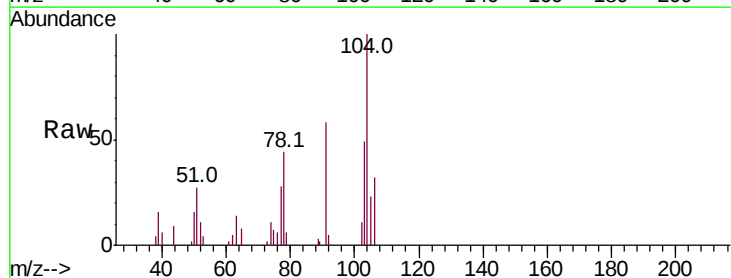


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

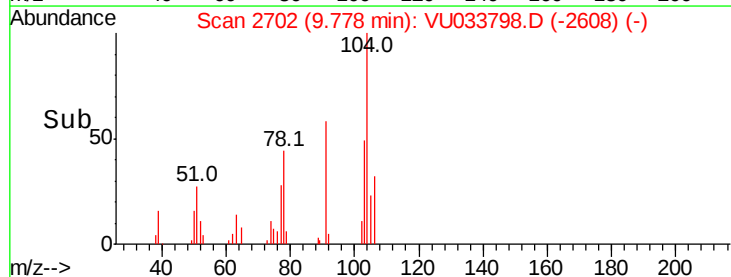
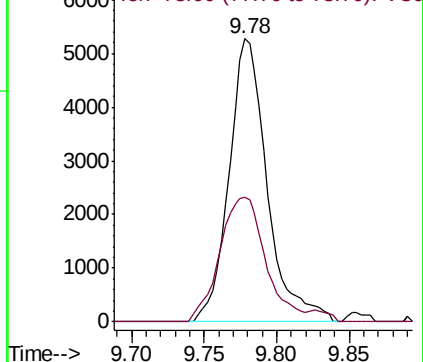


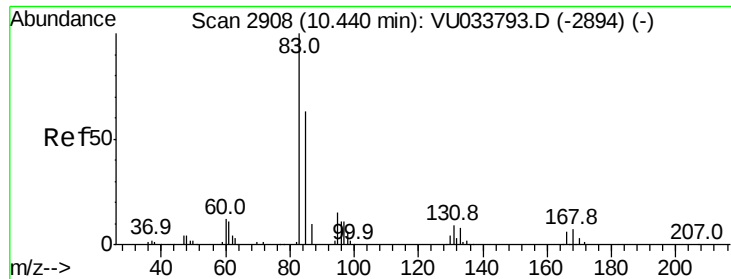
#55
Styrene
Concen: 0.187 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033798.D
Acq: 14 Aug 2019 13:43

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

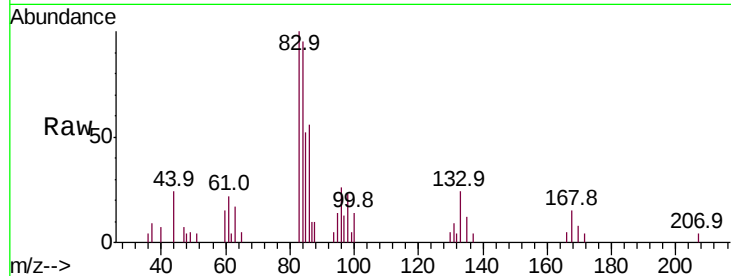
Tot Ion: 83 Resp: 4903

Ion Ratio Lower Upper

83 100

85 51.8 44.4 82.4

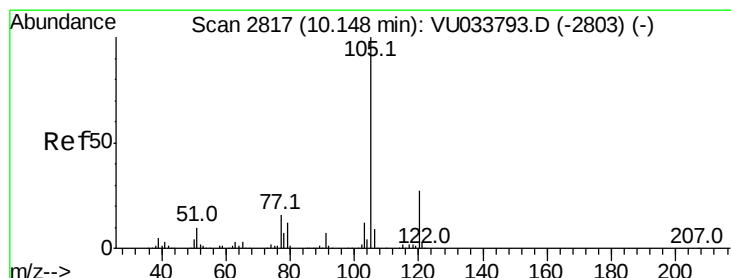
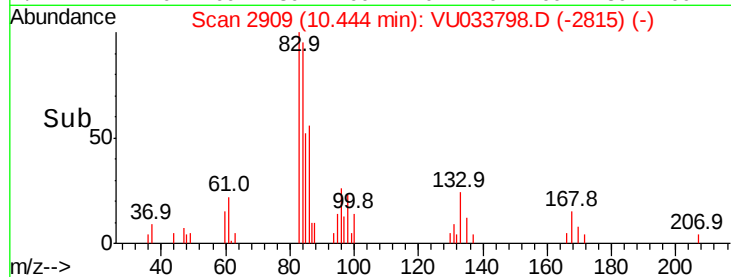
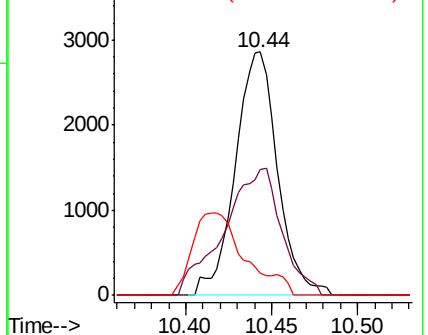
131 8.8 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VU033798.D (-2894) (-)

Ion 85.00 (84.70 to 85.70): VU033798.D (-2894) (-)

Ion 131.00 (130.70 to 131.70): VU033798.D (-2894) (-)



#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

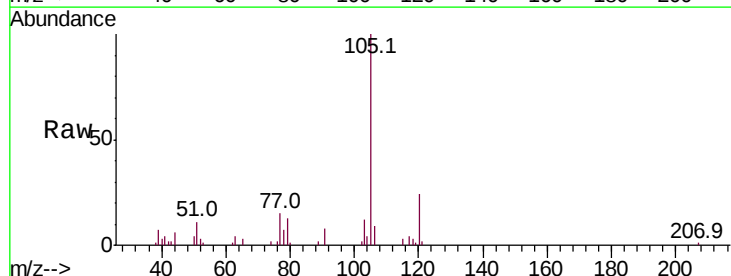
Tgt Ion:105 Resp: 15788

Ion Ratio Lower Upper

105 100

120 23.9 21.5 32.3

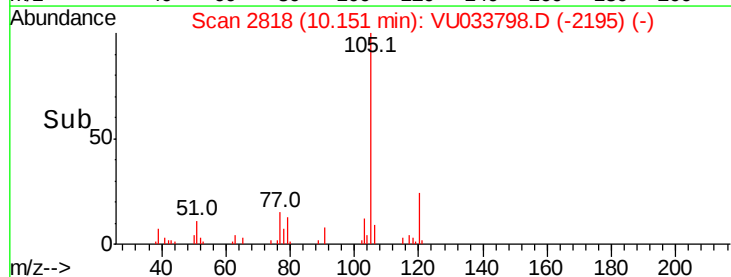
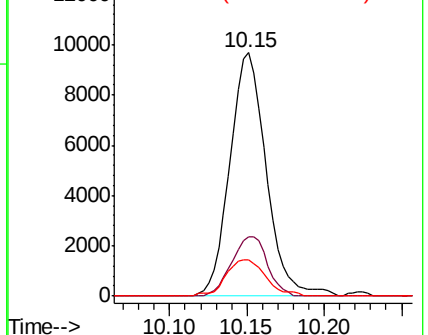
77 16.5 12.8 19.2

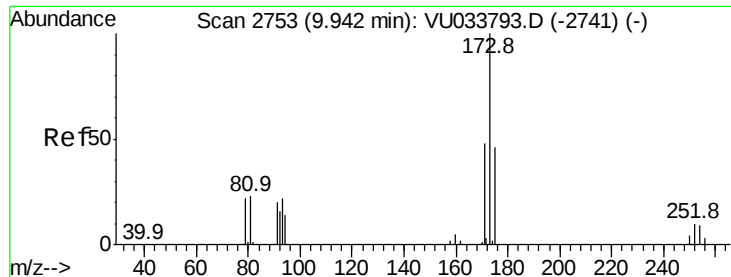


Abundance Ion 105.00 (104.70 to 105.70): VU033798.D (-2195) (-)

Ion 120.00 (119.70 to 120.70): VU033798.D (-2195) (-)

Ion 77.00 (76.70 to 77.70): VU033798.D (-2195) (-)





#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

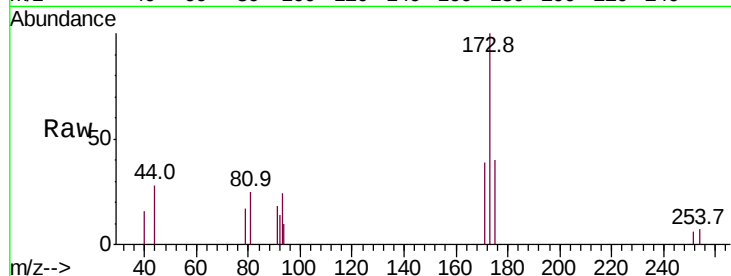
Tot Ion:173 Resp: 2595

Ion Ratio Lower Upper

173 100

175 43.2 36.6 55.0

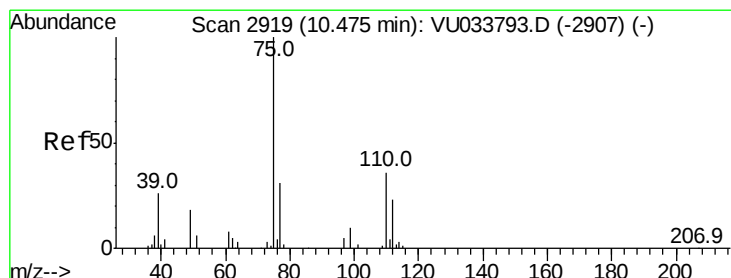
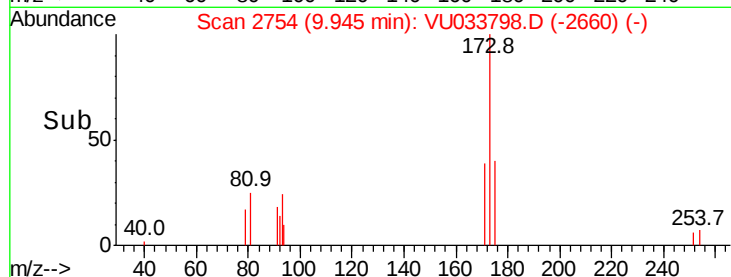
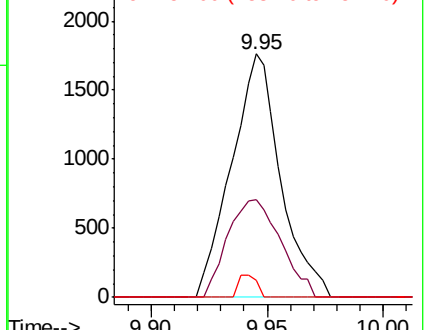
254 3.3 7.0 10.4#



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

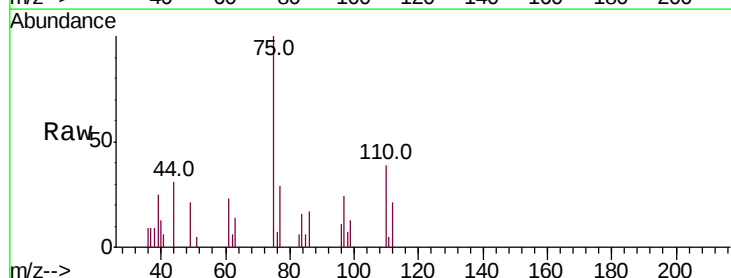
Tgt Ion: 75 Resp: 3252

Ion Ratio Lower Upper

75 100

77 29.0 25.8 38.6

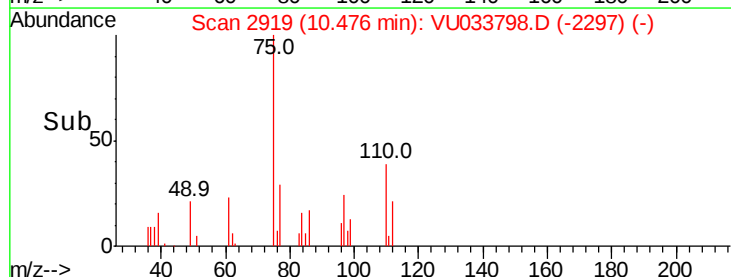
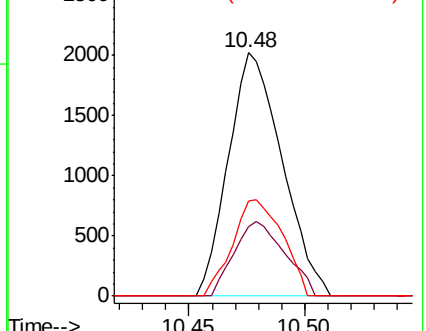
110 36.8 28.9 43.3

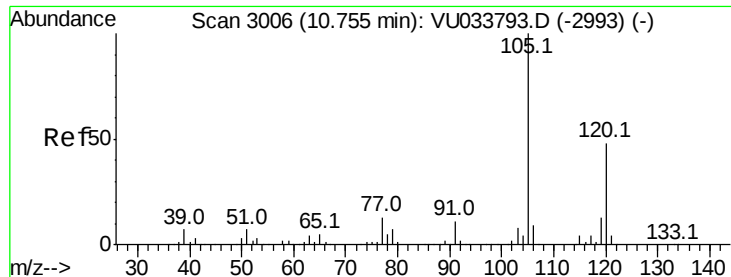


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

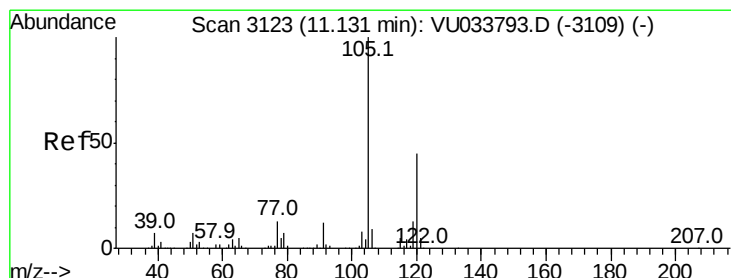
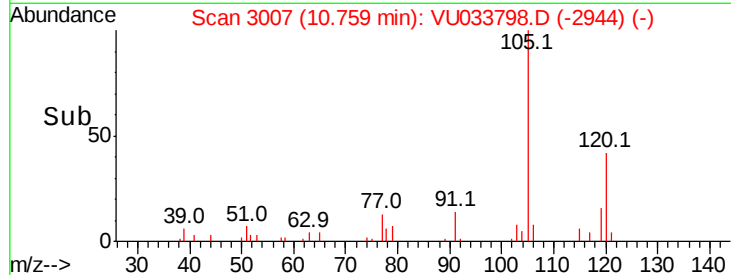
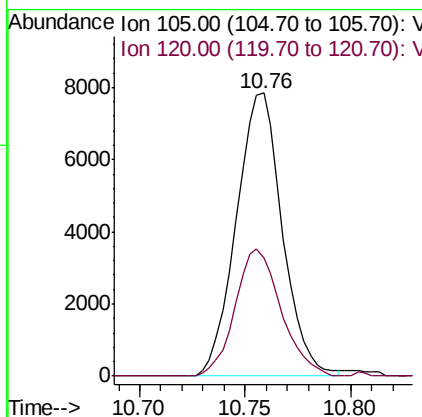
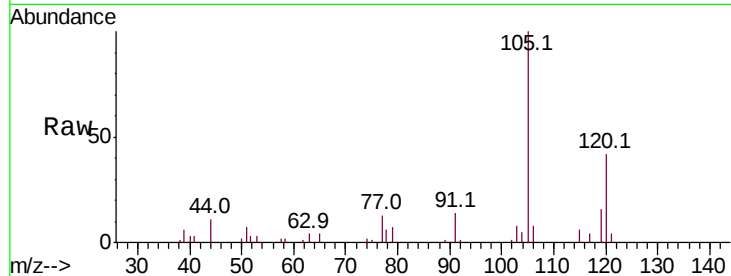
Ion 110.00 (109.70 to 110.70): V





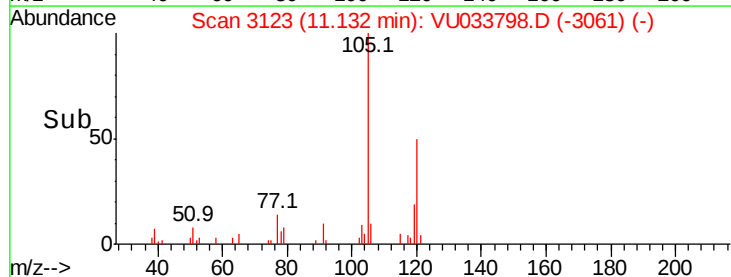
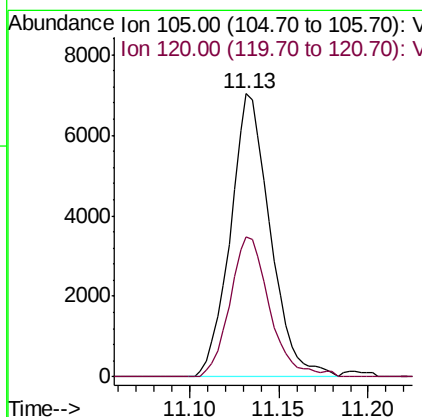
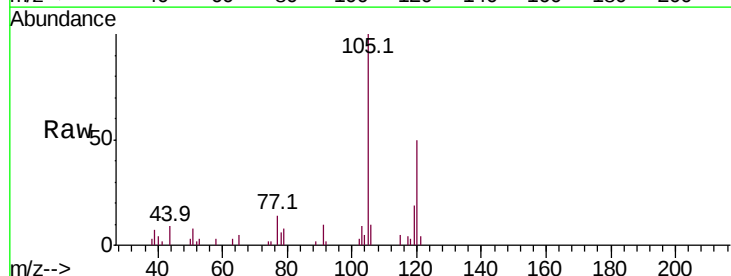
#62
 1,3,5-Trimethylbenzene
 Concen: 0.214 ug/L
 RT: 10.76 min Scan# 3007
 Delta R.T. 0.00 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

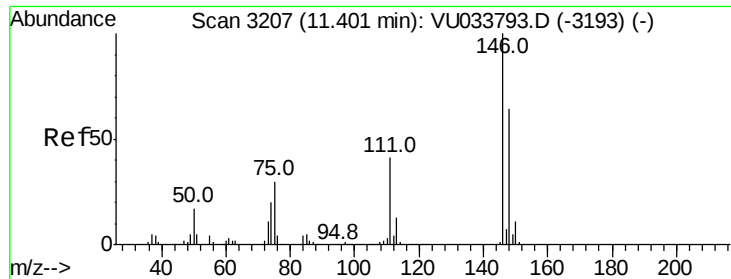
Tot Ion:105 Resp: 11898
 Ion Ratio Lower Upper
 105 100
 120 44.9 38.6 58.0



#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

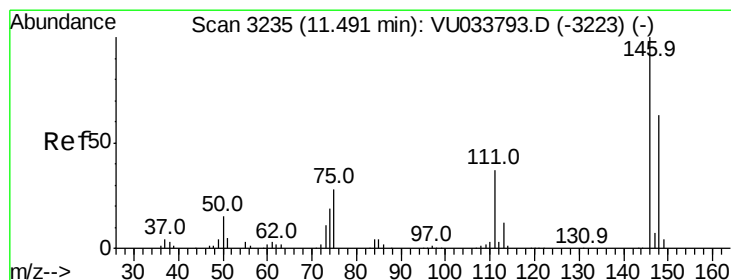
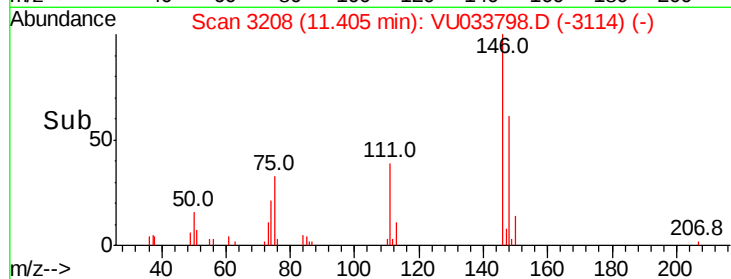
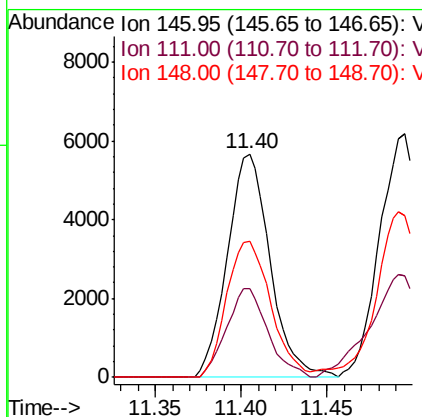
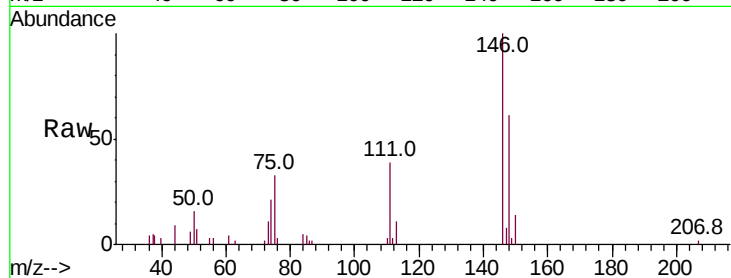
Tgt Ion:105 Resp: 10928
 Ion Ratio Lower Upper
 105 100
 120 49.4 36.5 54.7





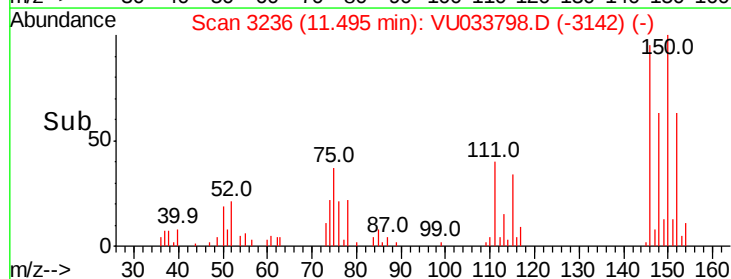
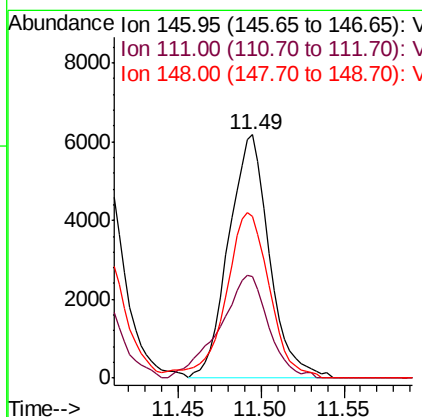
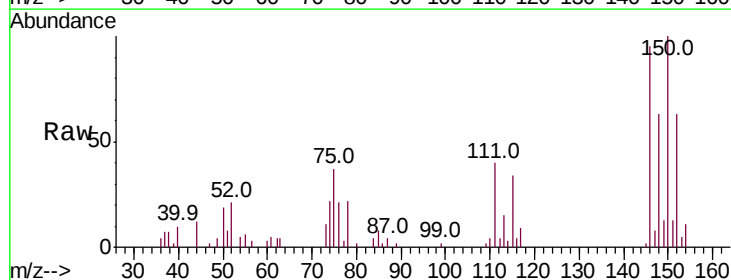
#64
 1,3-Dichlorobenzene
 Concen: 0.267 ug/L
 RT: 11.40 min Scan# 3208
 Delta R.T. 0.00 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

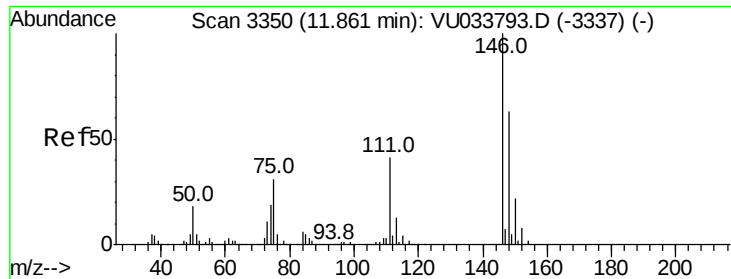
Tot Ion:146 Resp: 9792
 Ion Ratio Lower Upper
 146 100
 111 39.4 28.5 52.9
 148 60.7 44.6 82.8



#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

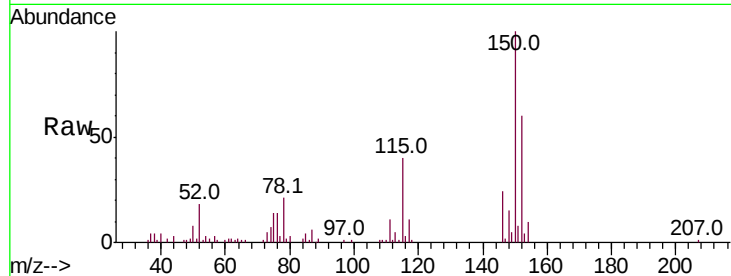
Tgt Ion:146 Resp: 10536
 Ion Ratio Lower Upper
 146 100
 111 41.8 26.2 48.8
 148 66.2 44.2 82.0



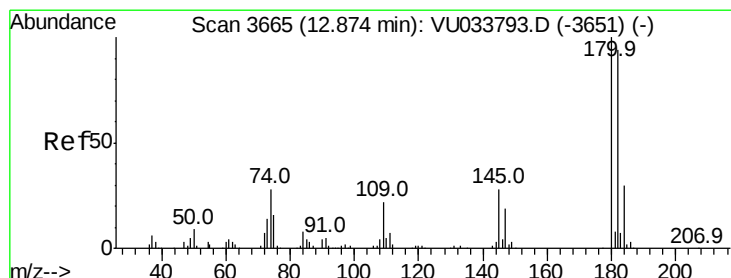
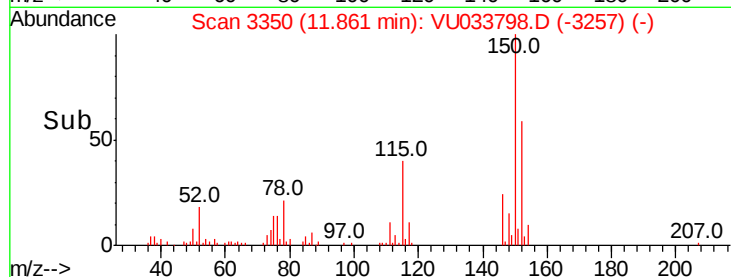
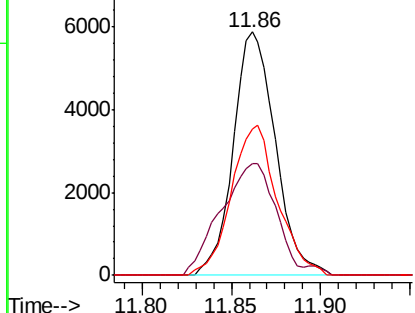


#67
 1,2-Dichlorobenzene
 Concen: 0.272 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

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

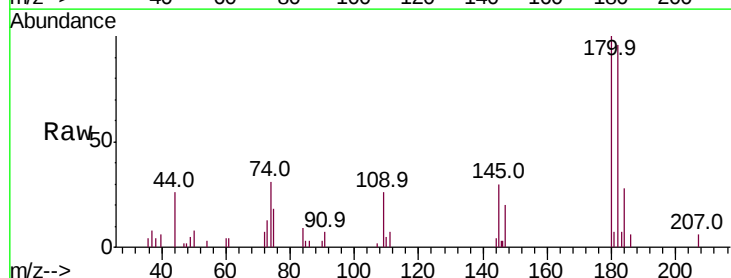


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

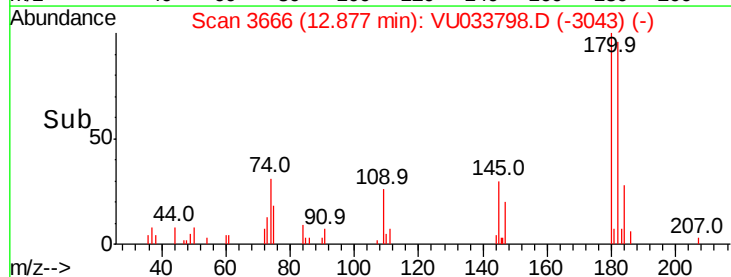
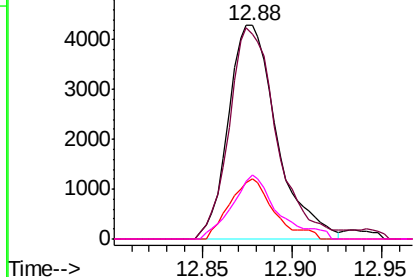


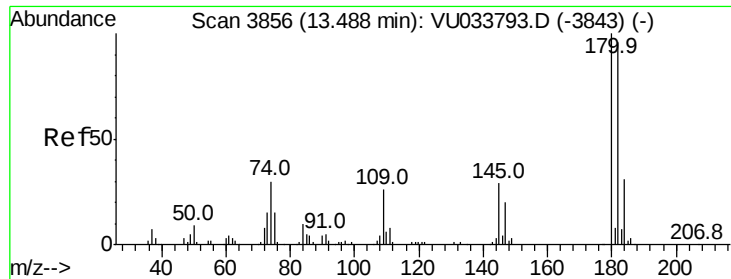
#69
 1,3,5-Trichlorobenzene
 Concen: 0.282 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.00 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

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



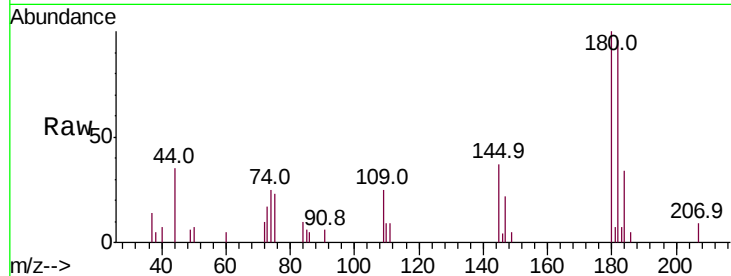
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



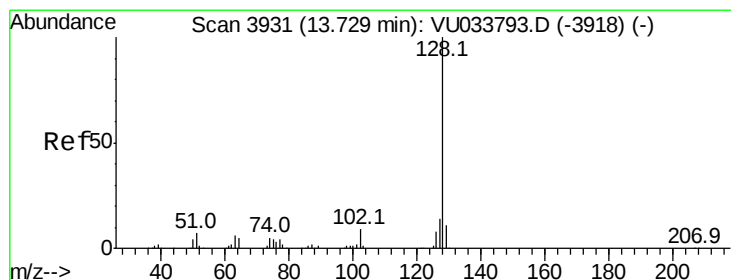
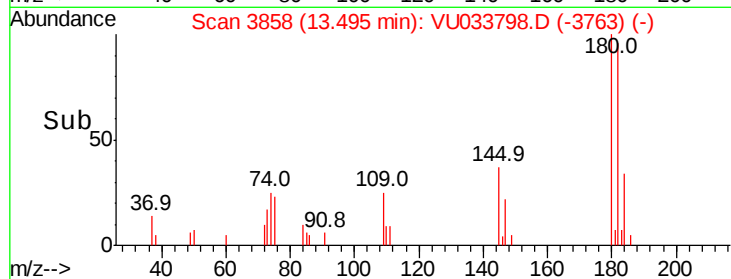
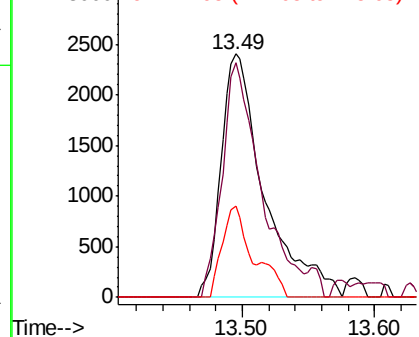


#70
 1,2,4-trichlorobenzene
 Concen: 0.244 ug/L
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

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#

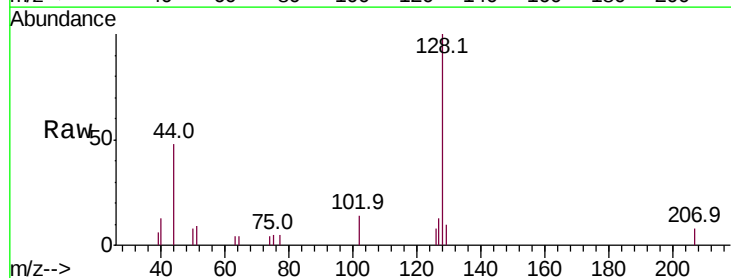


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

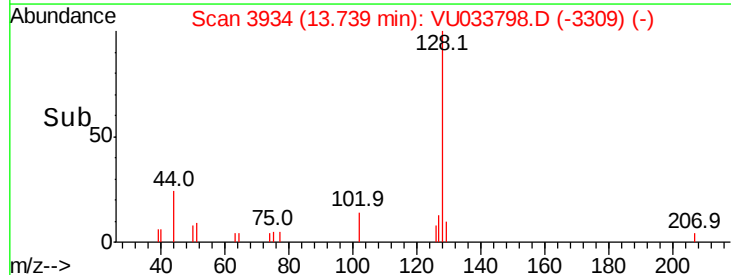
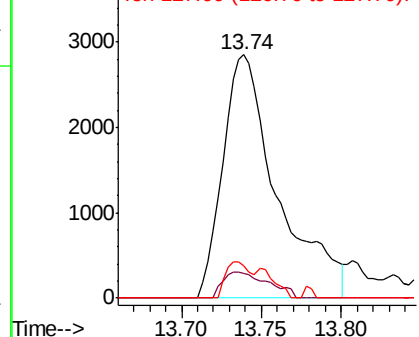


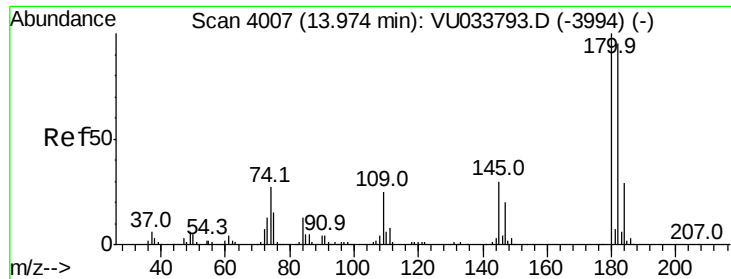
#71
 Naphthalene
 Concen: 0.193 ug/L
 RT: 13.74 min Scan# 3934
 Delta R.T. 0.01 min
 Lab File: VU033798.D
 Acq: 14 Aug 2019 13:43

Tgt Ion:128 Resp: 6680
 Ion Ratio Lower Upper
 128 100
 129 8.9 8.5 12.7
 127 6.9 11.2 16.8#



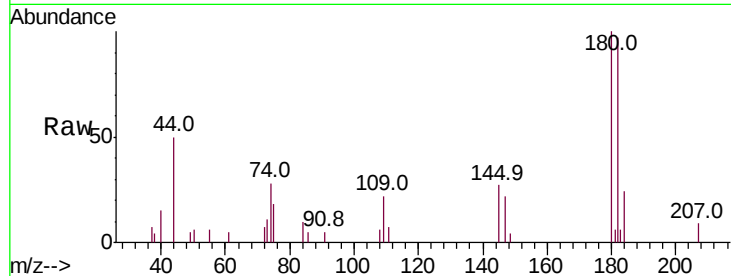
Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#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	Ratio	Lower	Upper
180	100		
182	79.7	75.7	113.5
145	28.7	24.3	36.5



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

