

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081419\
 Data File : VU033794.D
 Acq On : 14 Aug 2019 11:14
 Operator : JC/SP
 Sample : VSTD01001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 15 14:23:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 15 14:18:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	203850	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	207209	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	117335	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	208160	9.02	ug/L	0.00
7) Chloroethane-d5	1.67	69	164021	9.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	65	95376	9.00	ug/L	0.00
20) 2-Butanone-d5	4.18	46	431324	96.75	ug/L	0.00
24) Chloroform-d	4.62	84	309401	8.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	157026	8.72	ug/L	0.00
32) Benzene-d6	5.32	84	605179	9.50	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	185537	9.19	ug/L	0.00
41) Toluene-d8	7.55	98	573301	9.80	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	78637	9.84	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	359020	112.77	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.41	84	161900	9.28	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.84	152	220532	9.27	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	266685	9.025 ug/L	99
3) Chloromethane	1.32	50	275197	8.974 ug/L	98
5) Vinyl chloride	1.39	62	304068	9.093 ug/L	97
6) Bromomethane	1.62	94	176800	9.085 ug/L	100
8) Chloroethane	1.69	64	177712	8.997 ug/L	99
9) Trichlorofluoromethane	1.87	101	418684	9.140 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	220331	9.064 ug/L	100
12) 1,1-Dichloroethene	2.27	96	211663	9.011 ug/L	92
13) Acetone	2.34	43	435525	91.972 ug/L	# 50
14) Carbon disulfide	2.46	76	720645	9.034 ug/L	100
15) Methyl Acetate	2.61	43	109454	8.863 ug/L	99
16) Methylene chloride	2.68	84	236573	8.627 ug/L	99
17) Methyl tert-butyl Ether	2.98	73	559994	9.208 ug/L	100
18) trans-1,2-Dichloroethene	2.96	96	230227	9.127 ug/L	97
19) 1,1-Dichloroethane	3.42	63	357876	9.076 ug/L	99
21) 2-Butanone	4.27	43	556700	95.272 ug/L	96
22) cis-1,2-Dichloroethene	4.20	96	202757	9.422 ug/L	98
23) Bromochloromethane	4.52	128	95383	9.246 ug/L	98
25) Chloroform	4.65	83	368070	8.672 ug/L	98
27) 1,2-Dichloroethane	5.38	62	240555	9.199 ug/L	99
29) 1,1,1-Trichloroethane	4.89	97	307625	9.123 ug/L	98
30) Cyclohexane	4.97	56	308197	10.098 ug/L	100
31) Carbon tetrachloride	5.11	117	280880	9.362 ug/L	97
33) Benzene	5.36	78	794030	9.581 ug/L	100
34) Trichloroethene	6.16	95	202703	9.326 ug/L	99
35) Methylcyclohexane	6.39	83	335530	10.296 ug/L	97
37) 1,2-Dichloropropane	6.41	63	211011	9.422 ug/L	99
38) Bromodichloromethane	6.74	83	258719	9.161 ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	297905	9.857 ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	1327043	102.540 ug/L	99

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QLast Update : Thu Aug 15 14:18:33 2019

Response via : Initial Calibration

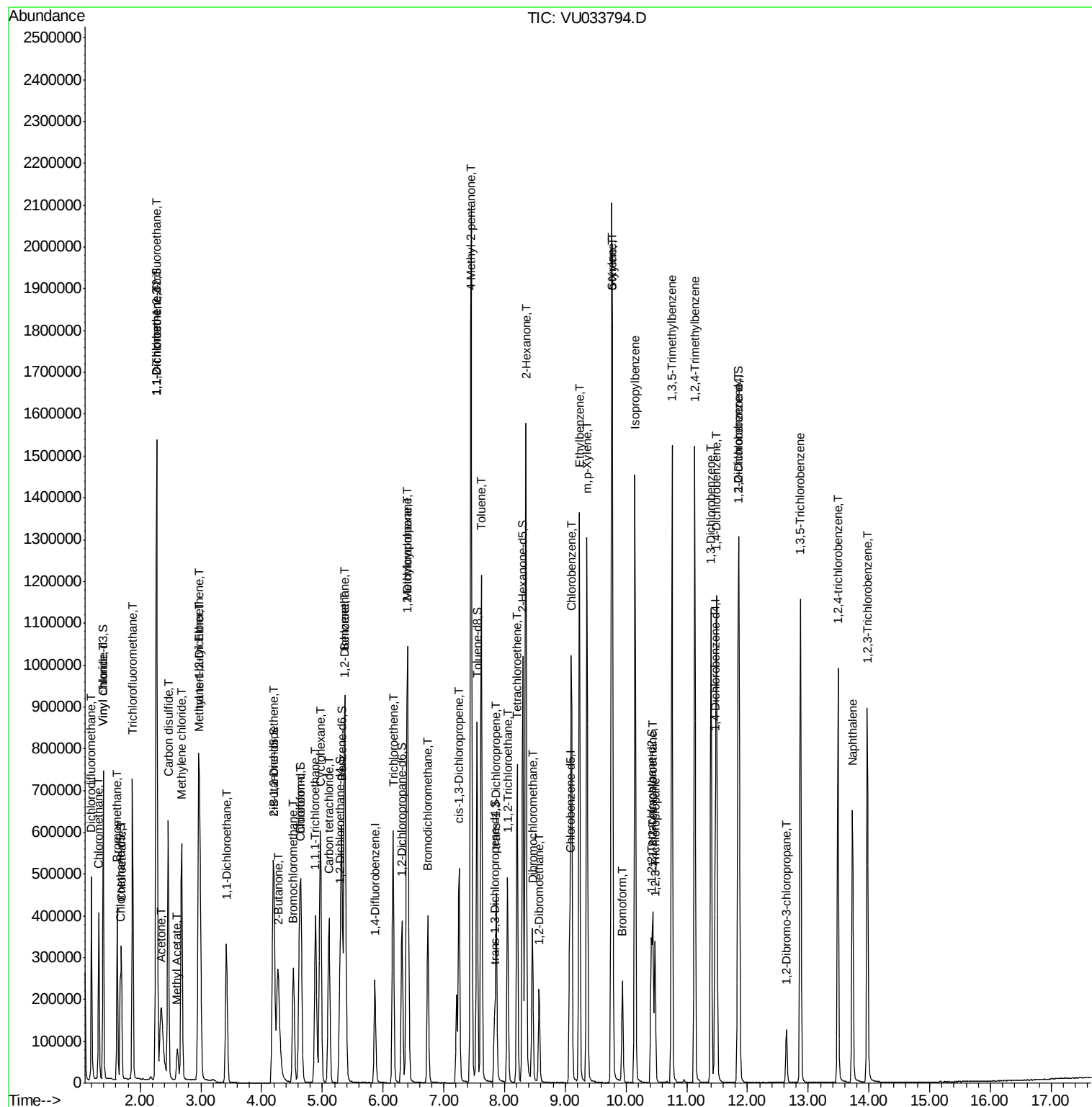
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

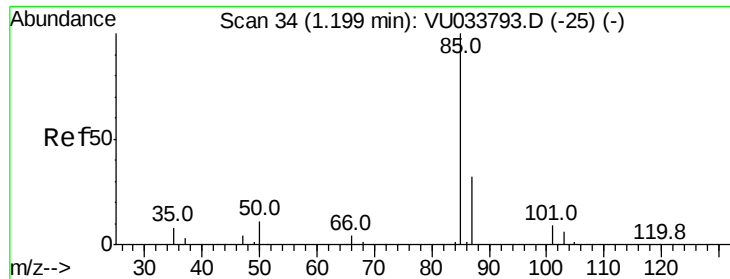
42) Toluene	7.62	91	874280	10.039	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	252250	9.984	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	149760	9.359	ug/L	98
47) Tetrachloroethene	8.21	164	167185	9.227	ug/L	98
48) 2-Hexanone	8.35	43	967990	103.423	ug/L	100
49) Dibromochloromethane	8.46	129	185302	9.549	ug/L	97
50) 1,2-Dibromoethane	8.57	107	147519	9.535	ug/L	94
51) Chlorobenzene	9.10	112	533975	9.524	ug/L	97
52) Ethylbenzene	9.23	91	926931	10.284	ug/L	99
53) m,p-Xylene	9.36	106	360831	10.616	ug/L	96
54) o-Xylene	9.76	106	346981	10.753	ug/L	98
55) Styrene	9.77	104	614787	10.979	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.44	83	192846	9.175	ug/L	96
59) Isopropylbenzene	10.15	105	906875	10.138	ug/L	99
60) Bromoform	9.94	173	108723	9.071	ug/L	95
61) 1,2,3-Trichloropropane	10.48	75	136463	2.687	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	773124	10.651	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	779492	10.762	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	451907	9.447	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	456891	9.278	ug/L	99
67) 1,2-Dichlorobenzene	11.86	146	435314	9.425	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.64	75	33190	9.758	ug/L	93
69) 1,3,5-Trichlorobenzene	12.87	180	362397	9.632	ug/L	100
70) 1,2,4-trichlorobenzene	13.49	180	300869	10.275	ug/L	99
71) Naphthalene	13.73	128	521186	11.558	ug/L	99
72) 1,2,3-Trichlorobenzene	13.97	180	288950	10.471	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 9.025 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033794.D

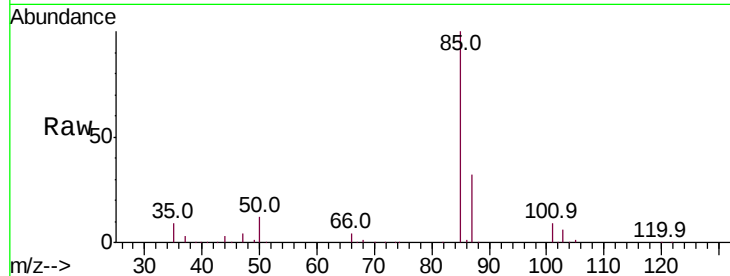
Acq: 14 Aug 2019 11:14

Tot Ion: 85 Resp: 266685

Ion Ratio Lower Upper

85 100

87 32.5 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU033793.D (-25) (-)

Ion 87.00 (86.70 to 87.70): VU033793.D (-25) (-)

1.20

250000

200000

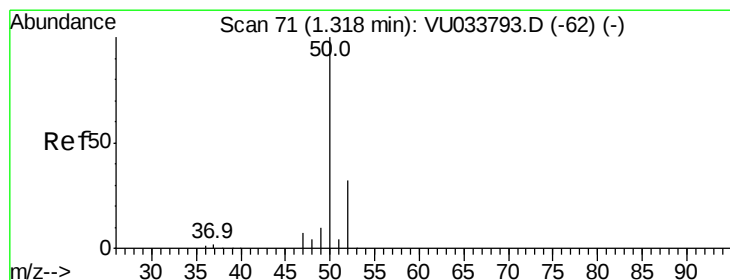
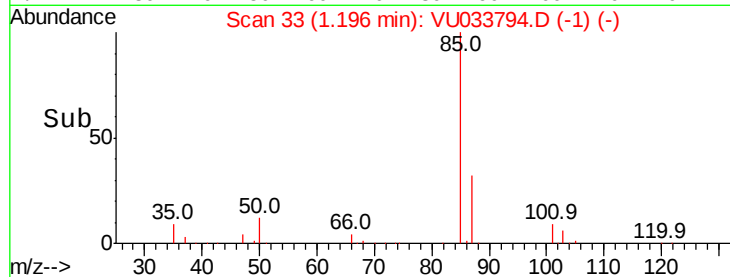
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 8.974 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033794.D

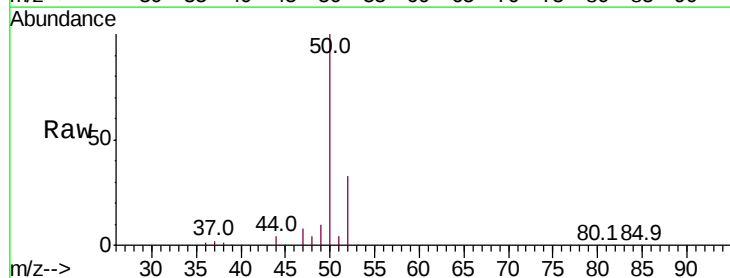
Acq: 14 Aug 2019 11:14

Tgt Ion: 50 Resp: 275197

Ion Ratio Lower Upper

50 100

52 33.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU033793.D (-62) (-)

Ion 52.00 (51.70 to 52.70): VU033793.D (-62) (-)

1.32

250000

200000

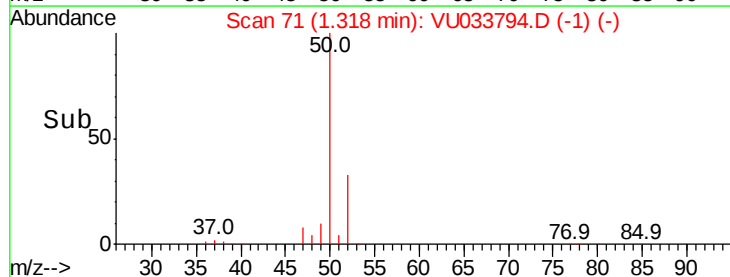
150000

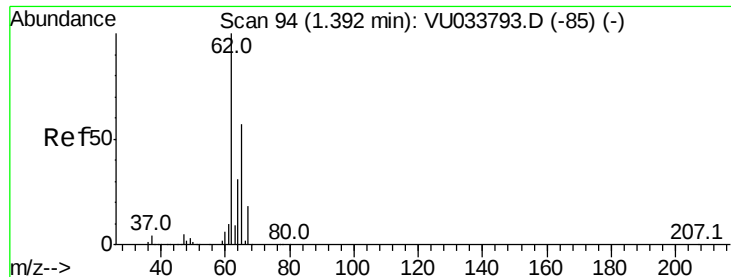
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 9.093 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033794.D

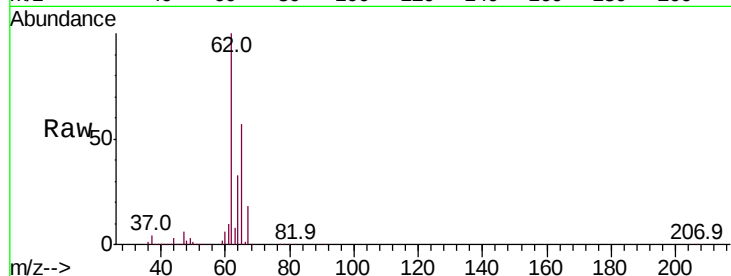
Acq: 14 Aug 2019 11:14

Tot Ion: 62 Resp: 304068

Ion Ratio Lower Upper

62 100

64 32.7 21.9 40.7



Abundance Ion 62.00 (61.70 to 62.70): VU033794.D (-85) (-)

Ion 64.00 (63.70 to 64.70): VU033794.D (-85) (-)

1.39

300000

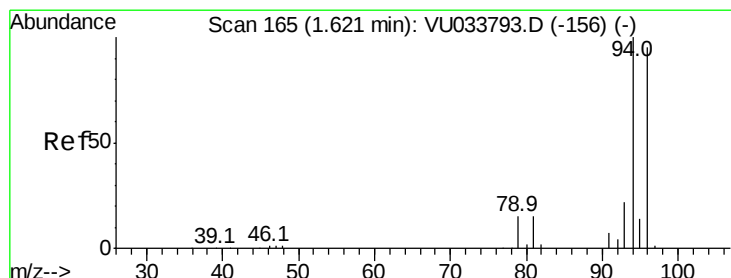
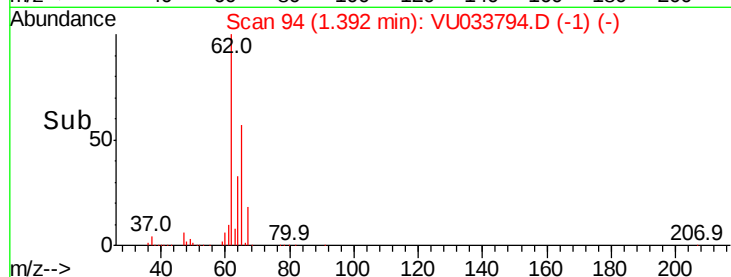
200000

100000

0

1.35 1.40 1.45 1.50

Time-->



#6

Bromomethane

Concen: 9.085 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033794.D

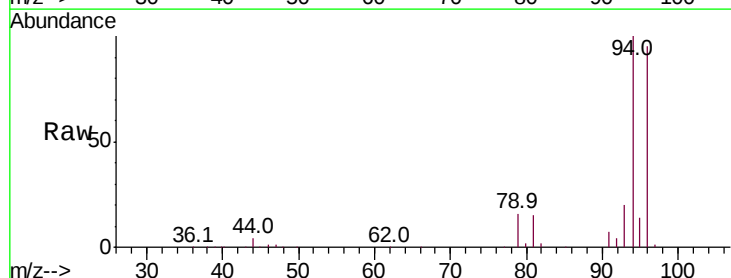
Acq: 14 Aug 2019 11:14

Tgt Ion: 94 Resp: 176800

Ion Ratio Lower Upper

94 100

96 94.6 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU033794.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU033794.D (-156) (-)

1.62

150000

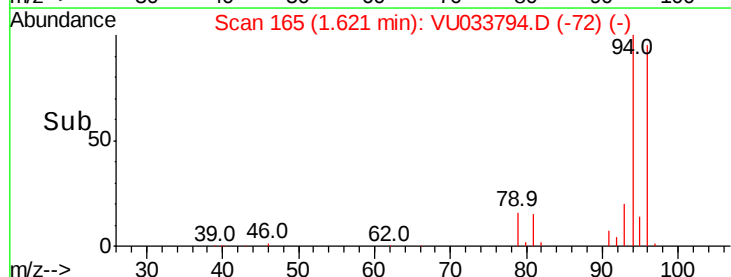
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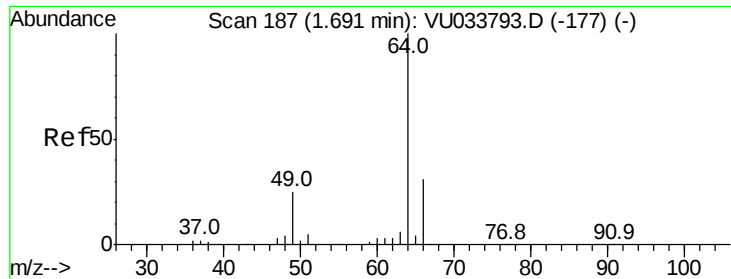
50000

0

1.55 1.60 1.65 1.70

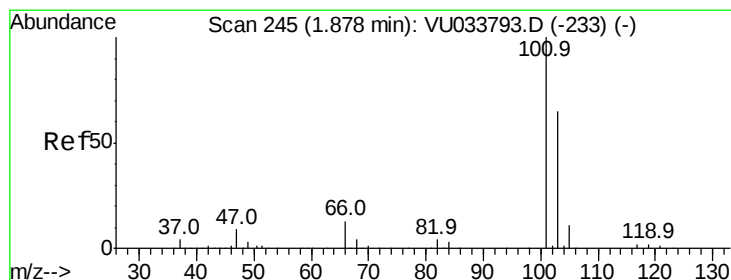
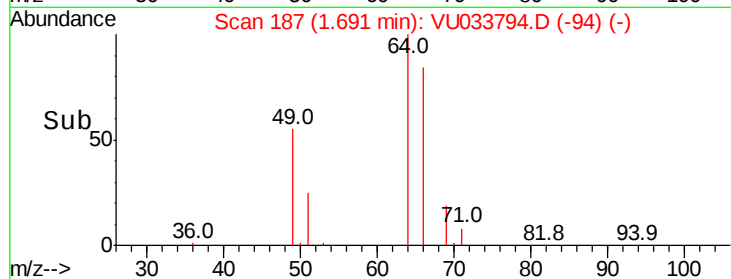
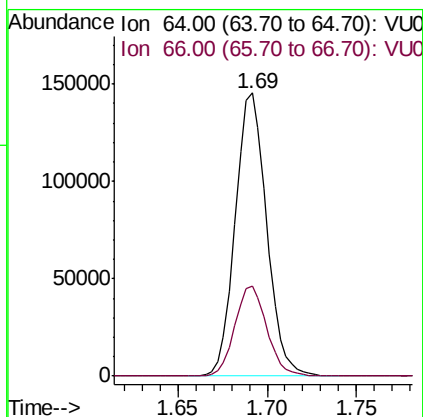
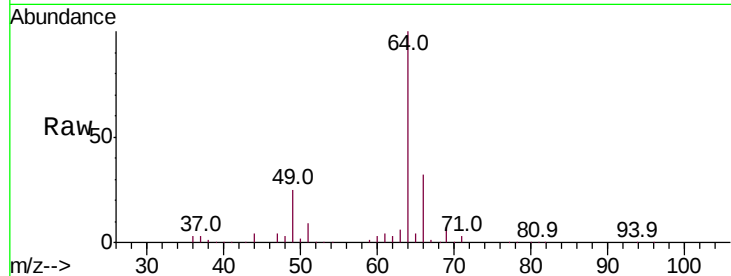
Time-->





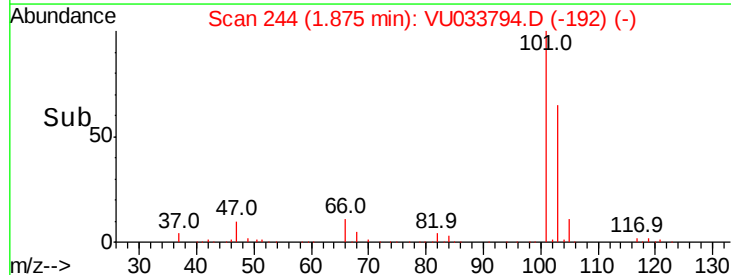
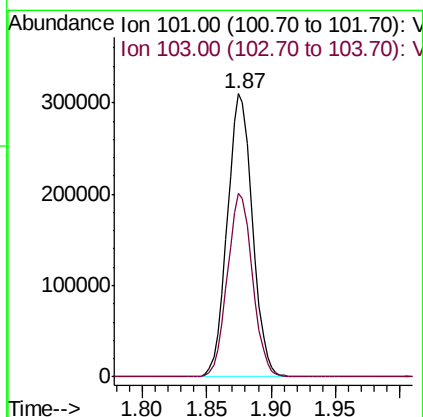
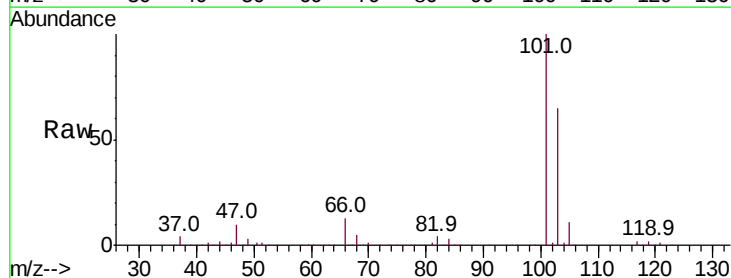
#8
Chloroethane
Concen: 8.997 ug/L
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

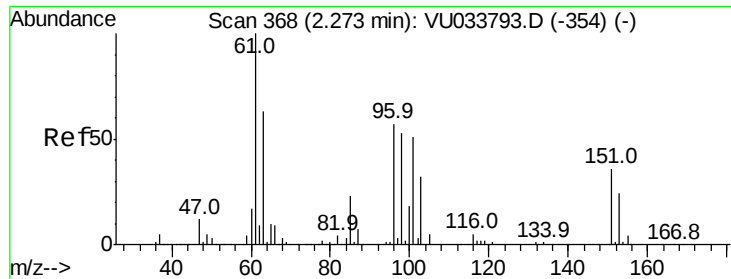
Tot Ion: 64 Resp: 177712
Ion Ratio Lower Upper
64 100
66 31.9 21.9 40.7



#9
Trichlorofluoromethane
Concen: 9.140 ug/L
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

Tgt Ion: 101 Resp: 418684
Ion Ratio Lower Upper
101 100
103 64.8 52.3 78.5





#10

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

Concen: 9.064 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033794.D

Acq: 14 Aug 2019 11:14

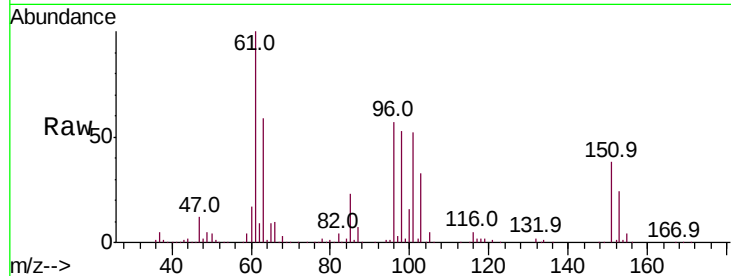
Tot Ion:101 Resp: 220331

Ion Ratio Lower Upper

101 100

85 45.4 36.2 54.2

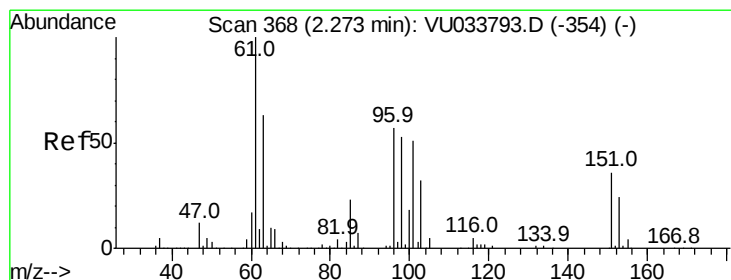
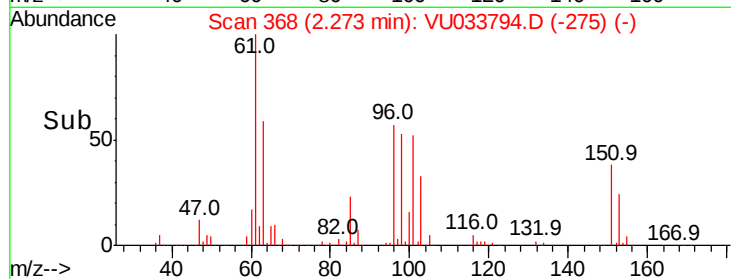
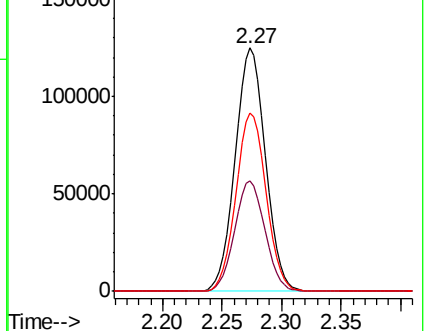
151 73.0 58.7 88.1



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: 9.011 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033794.D

Acq: 14 Aug 2019 11:14

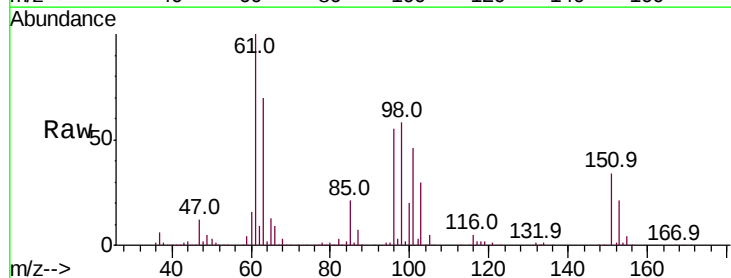
Tgt Ion: 96 Resp: 211663

Ion Ratio Lower Upper

96 100

61 182.6 123.8 230.0

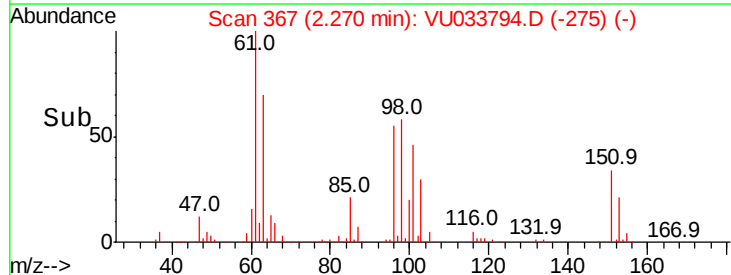
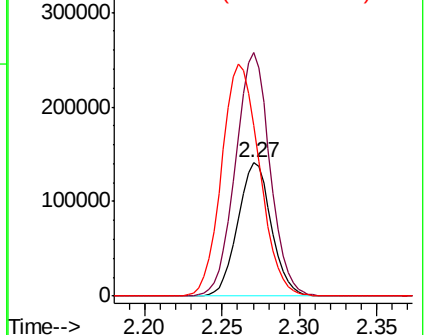
63 128.0 78.0 144.9

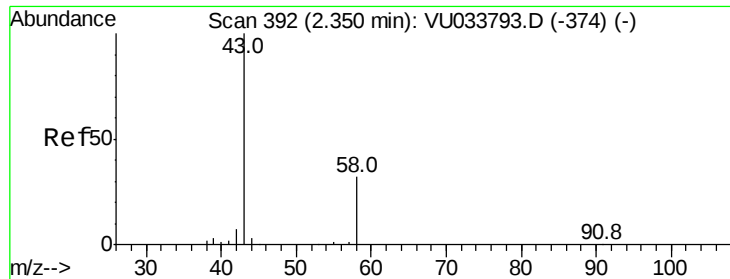


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 91.972 ug/L

RT: 2.34 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU033794.D

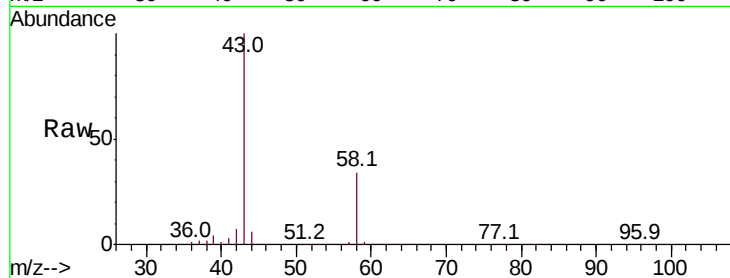
Acq: 14 Aug 2019 11:14

Tot Ion: 43 Resp: 435525

Ion Ratio Lower Upper

43 100

58 33.6 0.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VU033793.D (-374) (-)

Ion 58.00 (57.70 to 58.70): VU033793.D (-374) (-)

2.34

120000

100000

80000

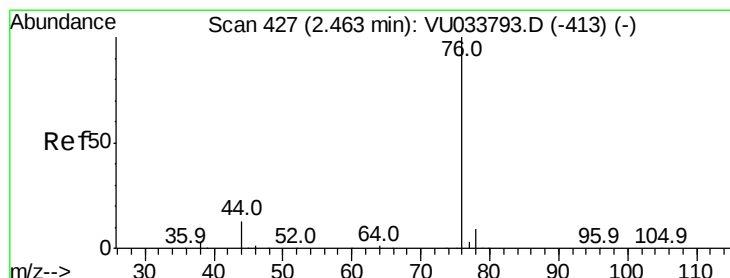
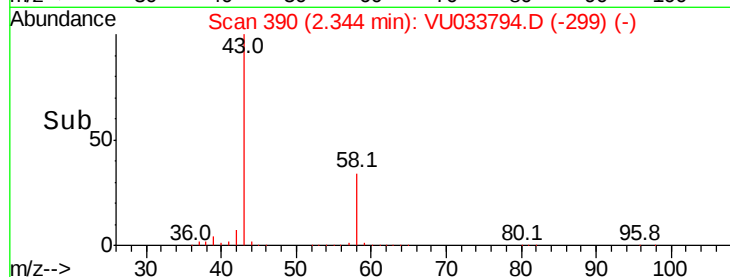
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 9.034 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033794.D

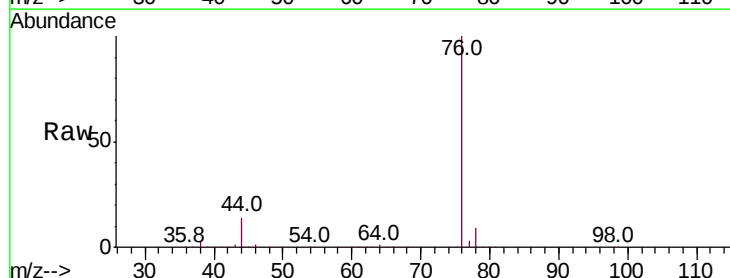
Acq: 14 Aug 2019 11:14

Tgt Ion: 76 Resp: 720645

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU033793.D (-413) (-)

Ion 78.00 (77.70 to 78.70): VU033793.D (-413) (-)

2.46

500000

400000

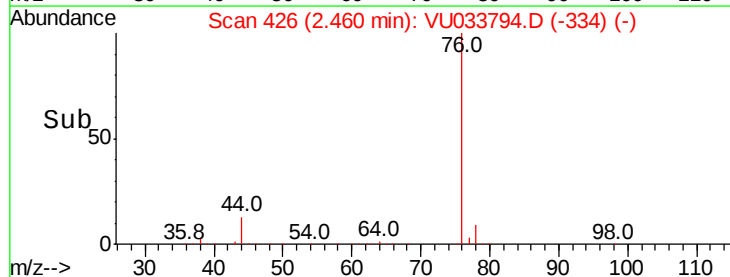
300000

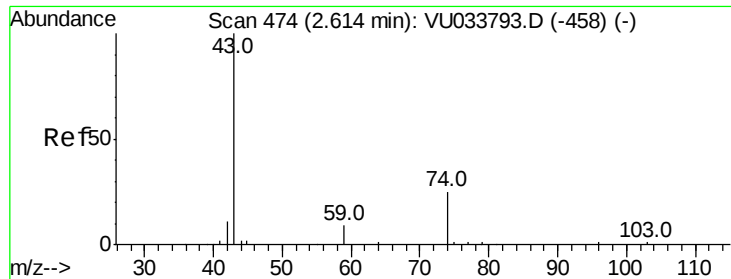
200000

100000

0

Time-->





#15

Methvl Acetate

Concen: 8.863 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

Lab File: VU033794.D

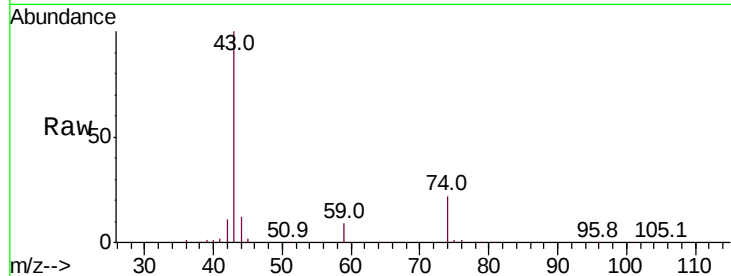
Acq: 14 Aug 2019 11:14

Tot Ion: 43 Resp: 109454

Ion Ratio Lower Upper

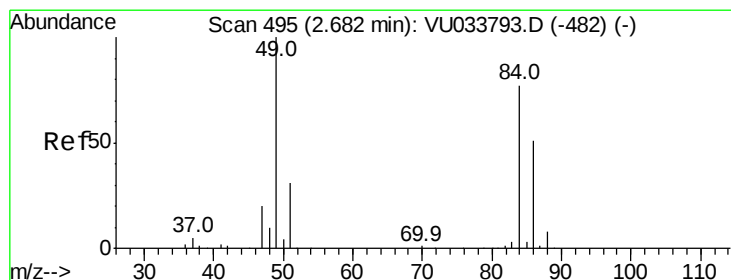
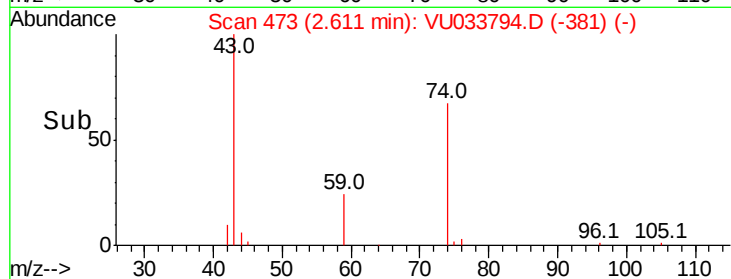
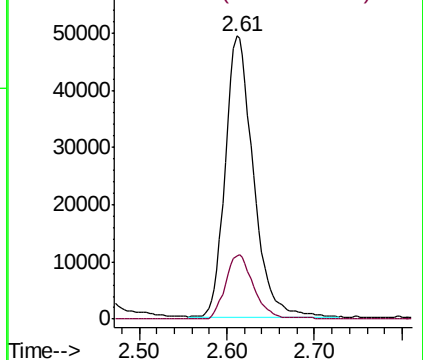
43 100

74 22.9 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 8.627 ug/L

RT: 2.68 min Scan# 495

Delta R.T. 0.00 min

Lab File: VU033794.D

Acq: 14 Aug 2019 11:14

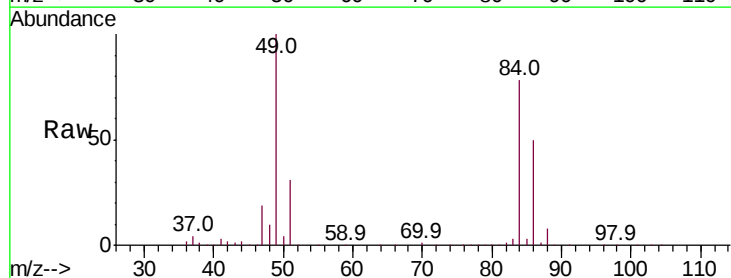
Tgt Ion: 84 Resp: 236573

Ion Ratio Lower Upper

84 100

86 63.9 46.0 85.4

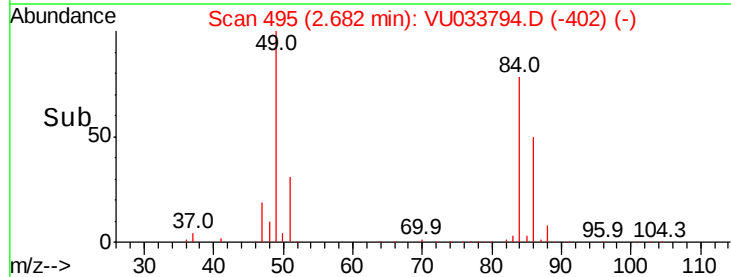
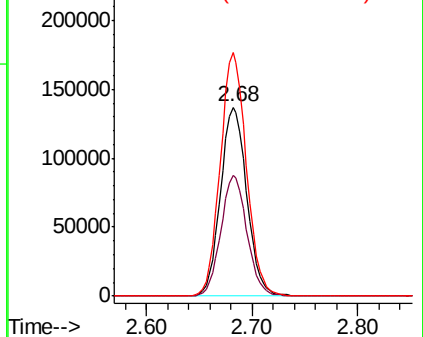
49 129.0 90.4 168.0

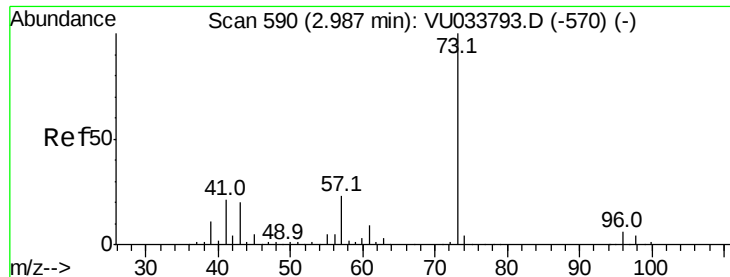


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

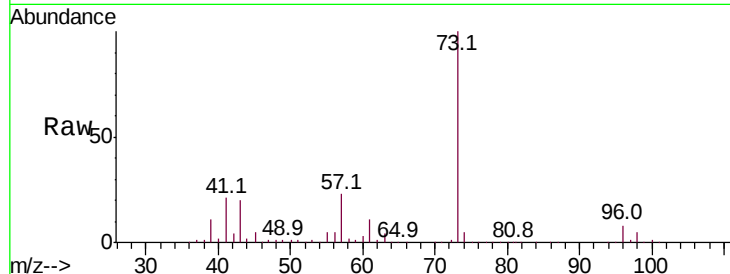
Ion 49.00 (48.70 to 49.70): VU0



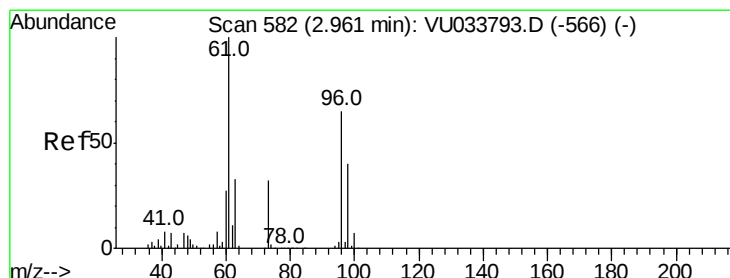
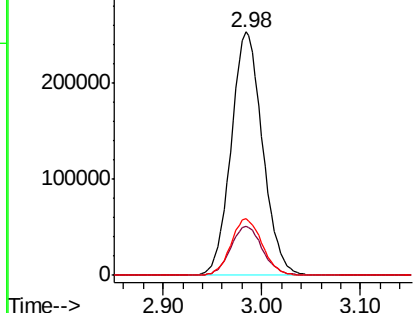
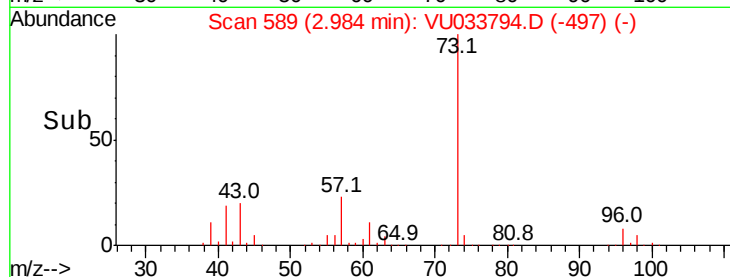


#17
Methvl tert-butvl Ether
Concen: 9.208 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

Tot Ion: 73 Resp: 559994
Ion Ratio Lower Upper
73 100
43 20.3 16.2 24.4
57 23.2 18.9 28.3

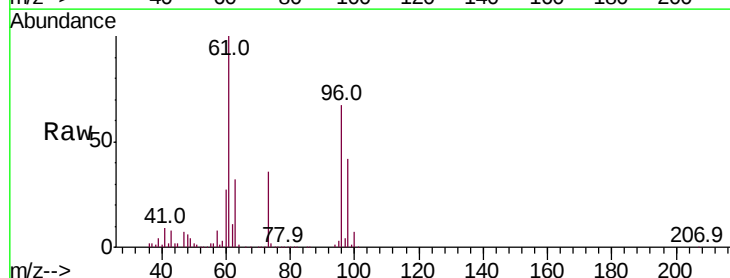


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

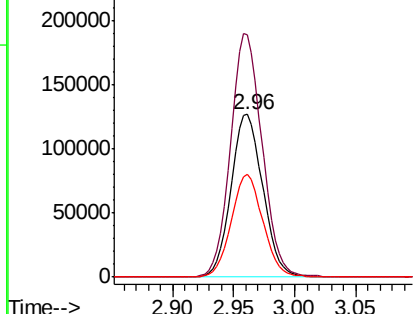
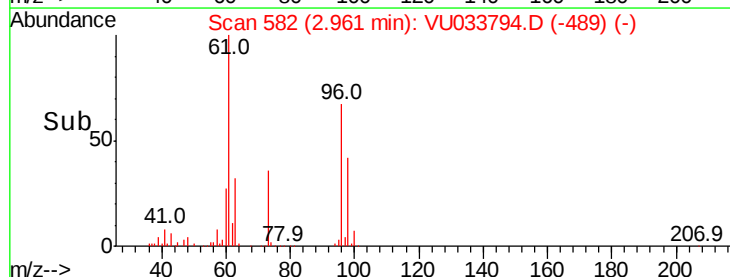


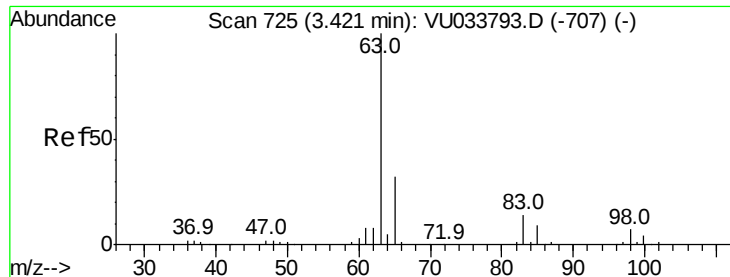
#18
trans-1,2-Dichloroethene
Concen: 9.127 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

Tgt Ion: 96 Resp: 230227
Ion Ratio Lower Upper
96 100
61 148.7 107.2 199.0
98 63.1 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: 9.076 ug/L

RT: 3.42 min Scan# 725

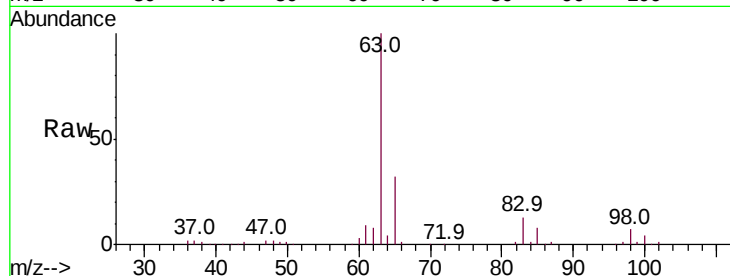
Delta R.T. 0.00 min

Lab File: VU033794.D

Acq: 14 Aug 2019 11:14

Tot Ion: 63 Resp: 357876

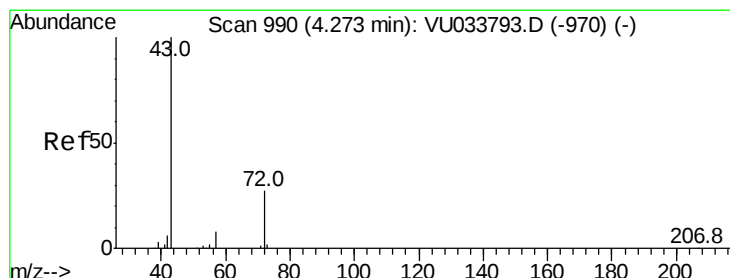
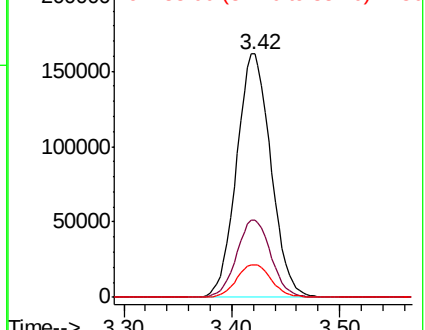
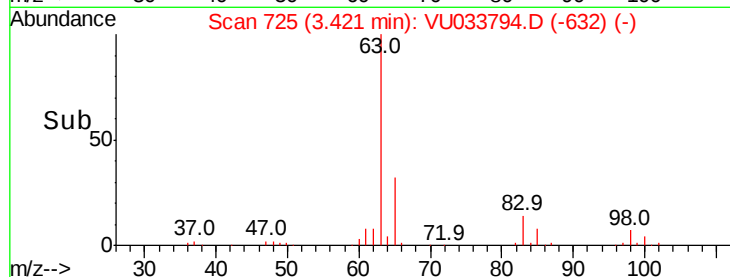
Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.4	41.6
83	13.5	9.7	17.9



Abundance Ion 63.00 (62.70 to 63.70): VU033794.D (-632) (-)

Ion 65.00 (64.70 to 65.70): VU033794.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU033794.D (-632) (-)



#21

2-Butanone

Concen: 95.272 ug/L

RT: 4.27 min Scan# 989

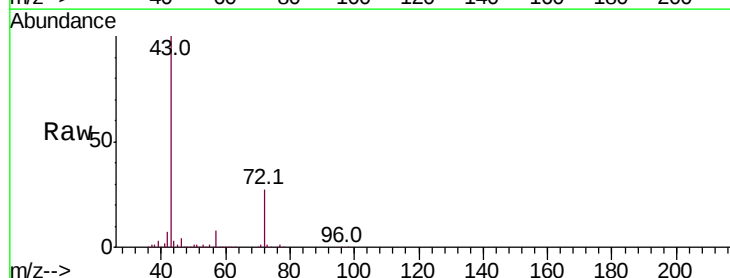
Delta R.T. -0.00 min

Lab File: VU033794.D

Acq: 14 Aug 2019 11:14

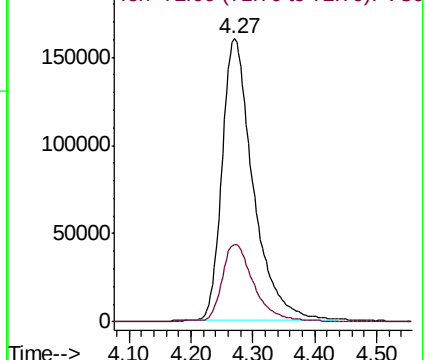
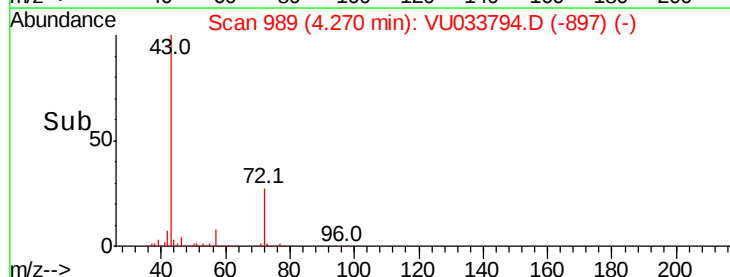
Tgt Ion: 43 Resp: 556700

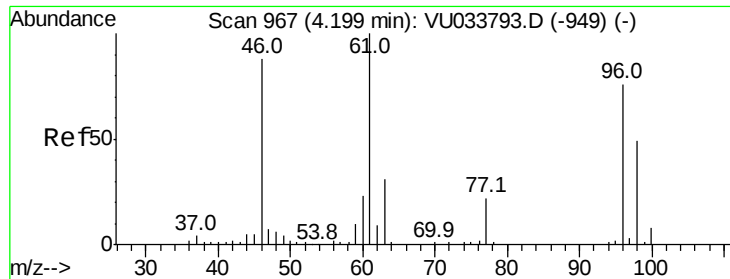
Ion	Ratio	Lower	Upper
43	100		
72	28.2	13.1	39.1



Abundance Ion 43.00 (42.70 to 43.70): VU033794.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VU033794.D (-897) (-)

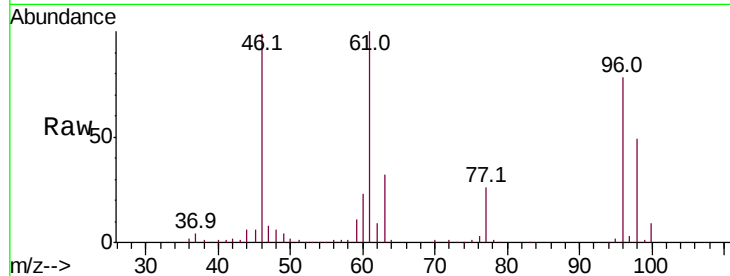




#22

cis-1,2-Dichloroethene
Concen: 9.422 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.0	91.7	170.3
98	62.8	45.1	83.9

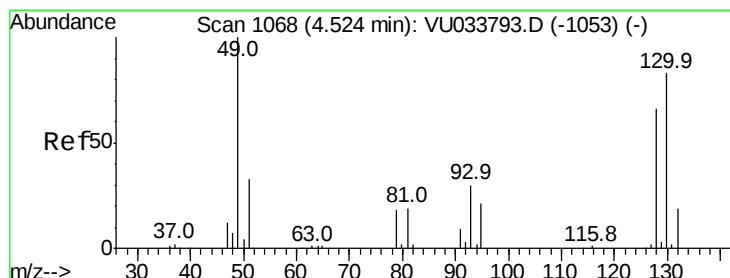
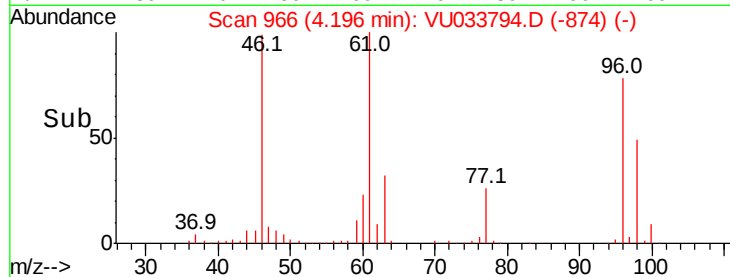
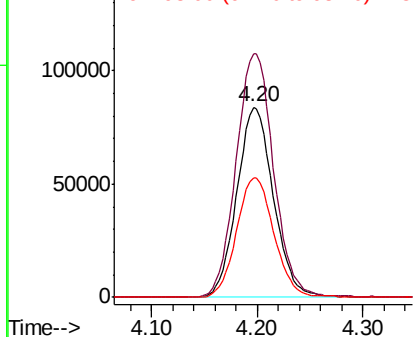


Abundance

Ion 96.00 (95.70 to 96.70): VU033794.D (-966) (-)

Ion 61.00 (60.70 to 61.70): VU033794.D (-966) (-)

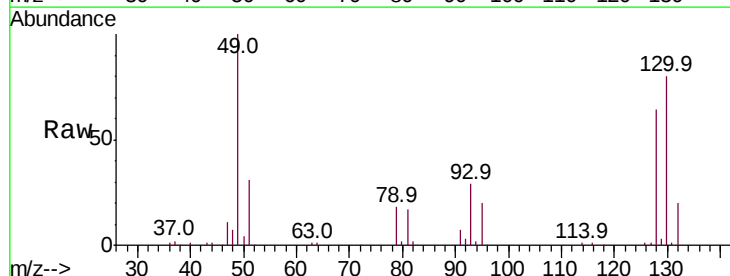
Ion 98.00 (97.70 to 98.70): VU033794.D (-966) (-)



#23

Bromochloromethane
Concen: 9.246 ug/L
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

Tgt Ion	Ratio	Lower	Upper
128	100		
49	157.1	106.8	198.4
130	125.9	88.3	164.1
51	49.0	40.3	60.5



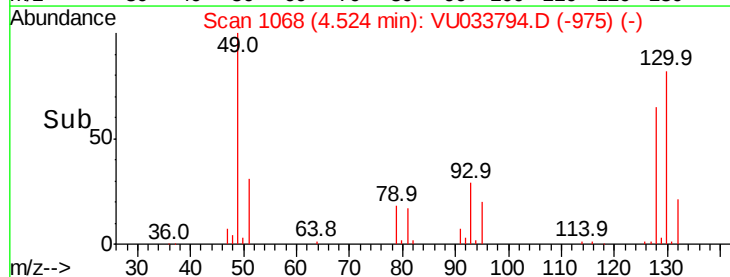
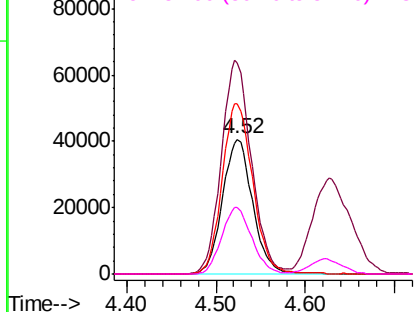
Abundance

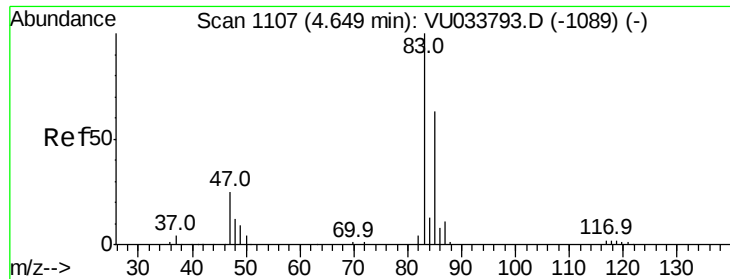
Ion 128.00 (127.70 to 128.70): VU033794.D (-1068) (-)

Ion 49.00 (48.70 to 49.70): VU033794.D (-1068) (-)

Ion 130.00 (129.70 to 130.70): VU033794.D (-1068) (-)

Ion 51.00 (50.70 to 51.70): VU033794.D (-1068) (-)





#25

Chloroform

Concen: 8.672 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033794.D

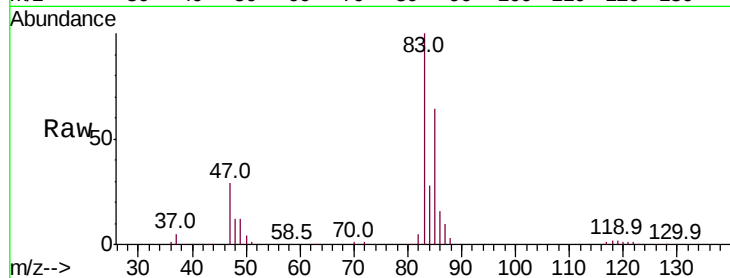
Acq: 14 Aug 2019 11:14

Tot Ion: 83 Resp: 368070

Ion Ratio Lower Upper

83 100

85 64.4 44.2 82.0



Abundance Ion 83.00 (82.70 to 83.70): VU033793.D (-1089) (-)

Ion 85.00 (84.70 to 85.70): VU033793.D (-1089) (-)

4.65

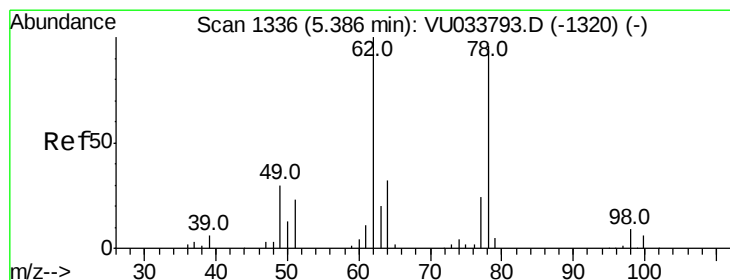
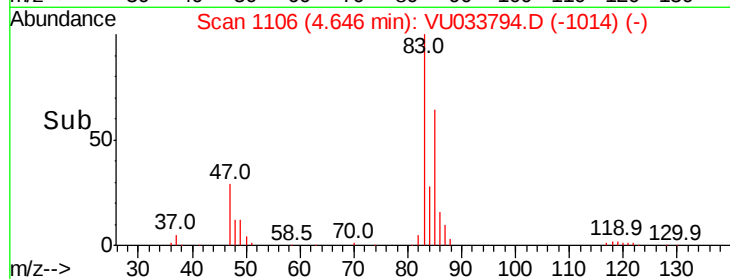
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 9.199 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU033794.D

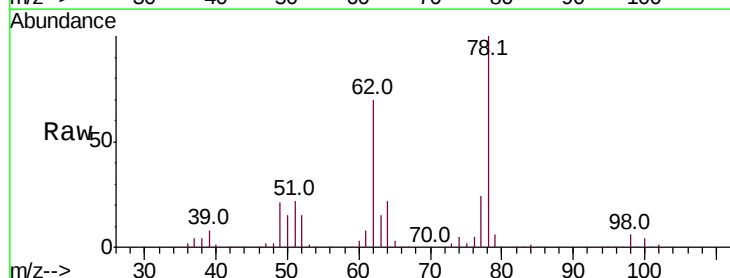
Acq: 14 Aug 2019 11:14

Tgt Ion: 62 Resp: 240555

Ion Ratio Lower Upper

62 100

98 8.7 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VU033793.D (-1320) (-)

Ion 98.00 (97.70 to 98.70): VU033793.D (-1320) (-)

5.38

120000

100000

80000

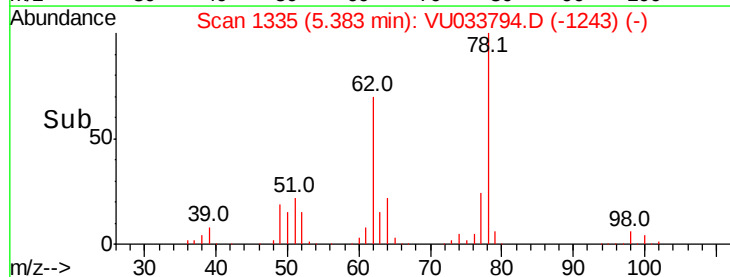
60000

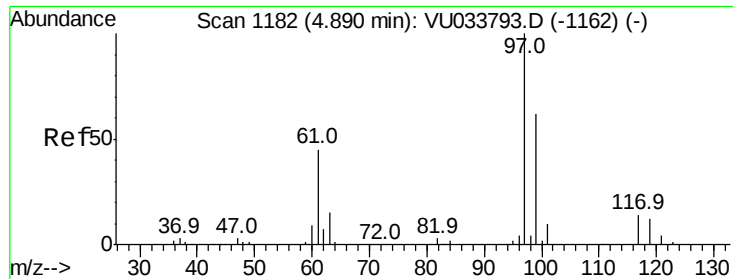
40000

20000

0

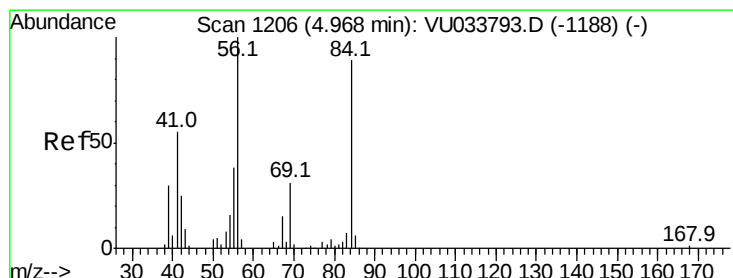
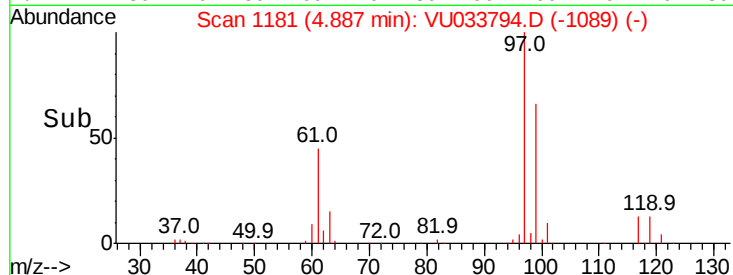
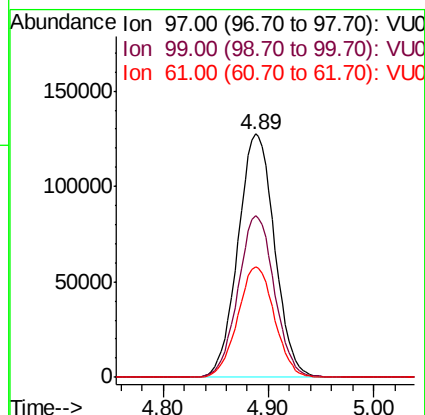
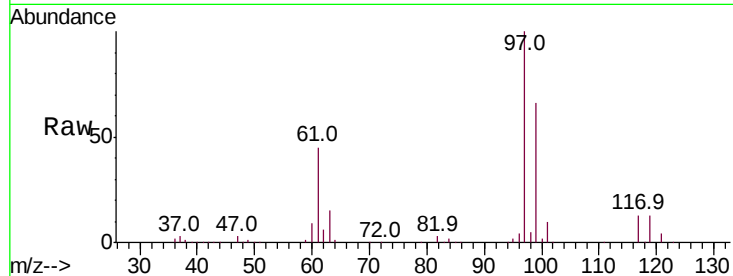
Time-->





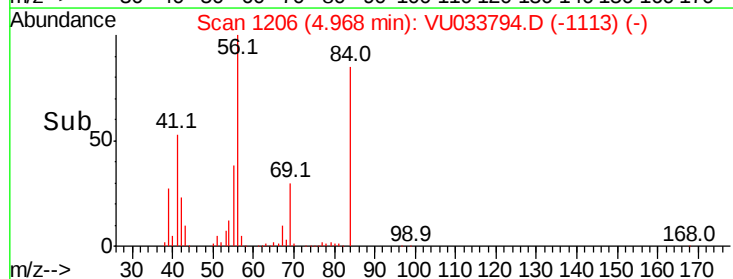
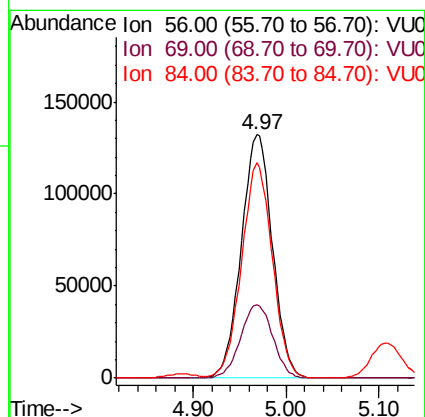
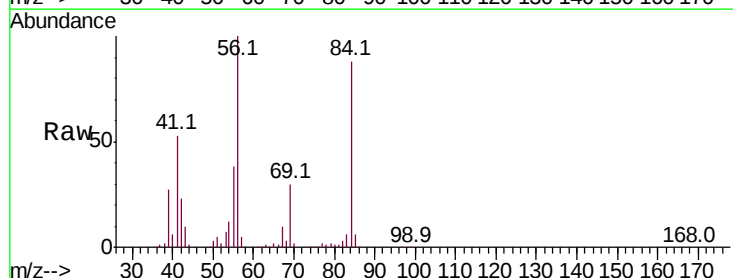
#29
1,1,1-Trichloroethane
Concen: 9.123 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

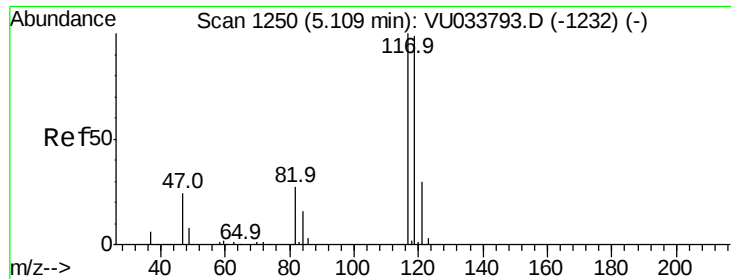
Tot Ion	Ratio	Lower	Upper
97	100		
99	65.9	50.8	76.2
61	45.7	37.4	56.0



#30
Cyclohexane
Concen: 10.098 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.2	37.8
84	87.4	69.8	104.6





#31

Carbon tetrachloride

Concen: 9.362 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033794.D

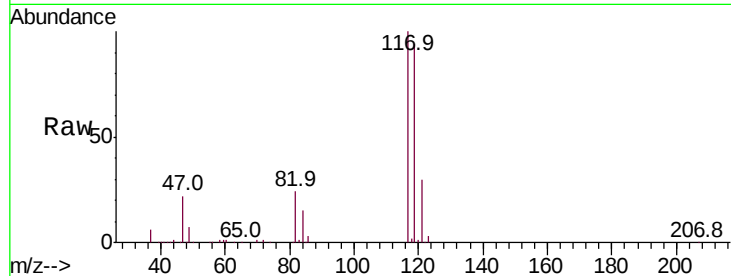
Acq: 14 Aug 2019 11:14

Tot Ion:117 Resp: 280880

Ion Ratio Lower Upper

117 100

119 95.3 78.5 117.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.11

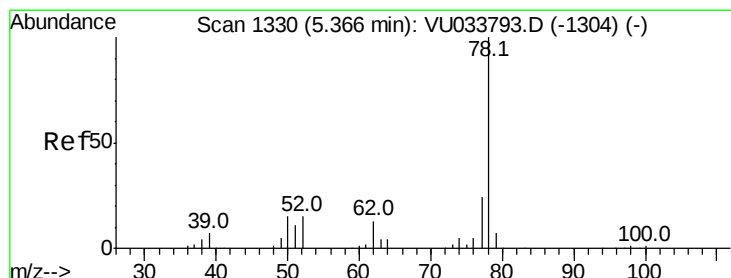
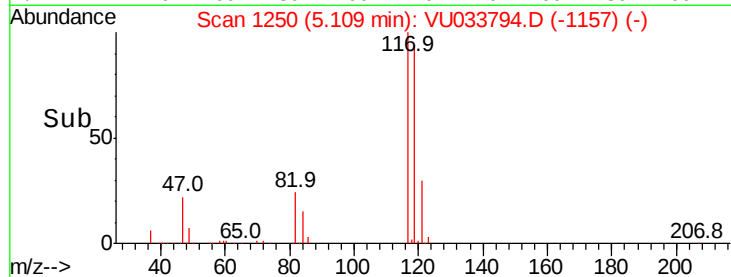
100000

50000

0

Time-->

5.00 5.10 5.20



#33

Benzene

Concen: 9.581 ug/L

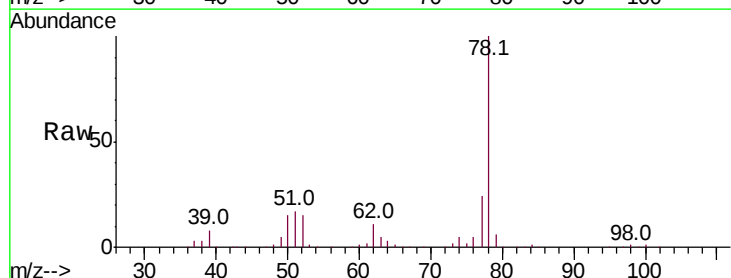
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VU033794.D

Acq: 14 Aug 2019 11:14

Tgt Ion: 78 Resp: 794030



Abundance Ion 78.00 (77.70 to 78.70): VU0

400000

300000

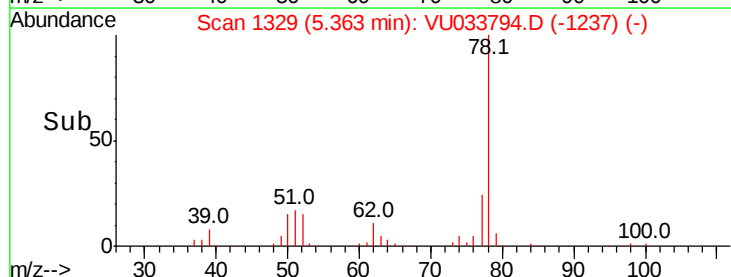
200000

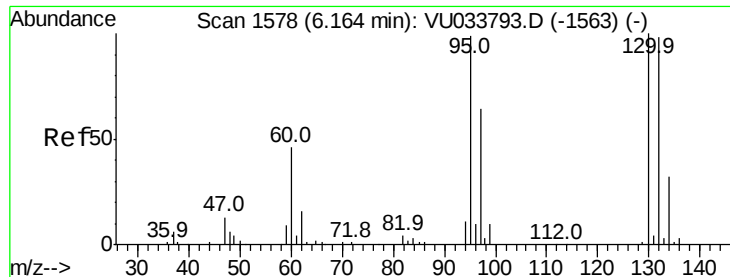
100000

0

Time-->

5.30 5.40





#34

Trichloroethene

Concen: 9.326 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033794.D

Acq: 14 Aug 2019 11:14

Tot Ion: 95 Resp: 202703

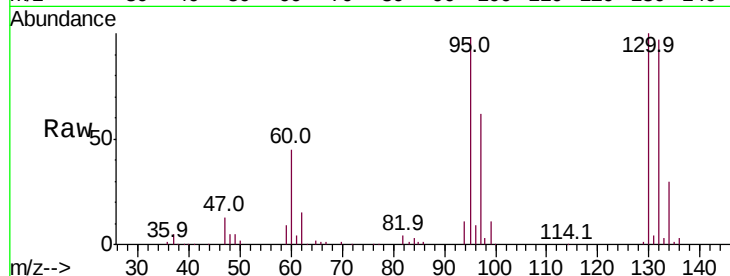
Ion Ratio Lower Upper

95 100

97 63.4 45.4 84.4

132 98.3 68.9 127.9

130 101.5 70.5 130.9

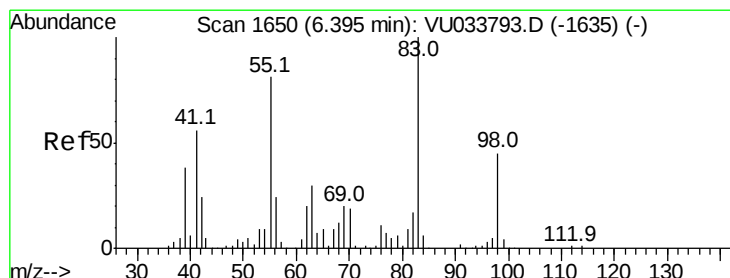
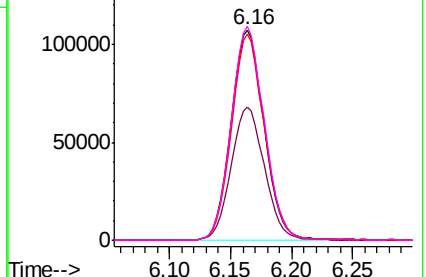
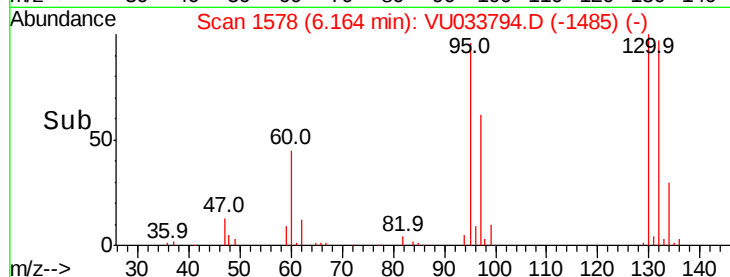


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 10.296 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033794.D

Acq: 14 Aug 2019 11:14

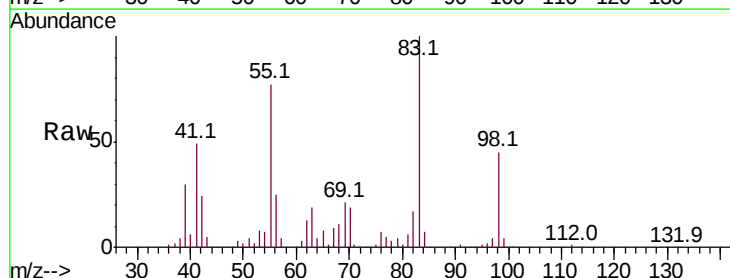
Tgt Ion: 83 Resp: 335530

Ion Ratio Lower Upper

83 100

55 77.5 65.0 97.6

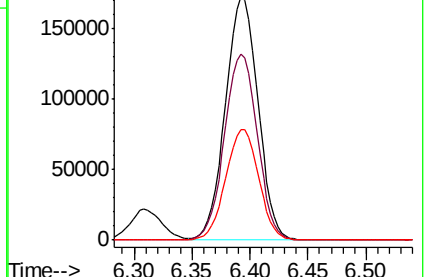
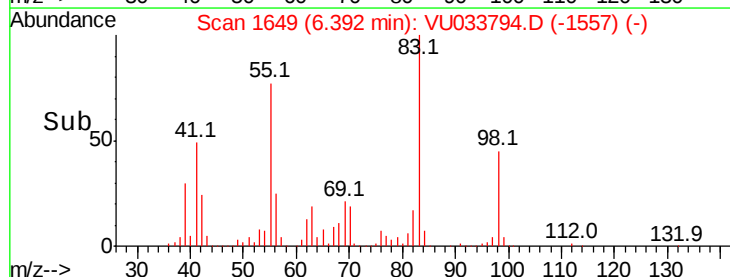
98 46.1 36.2 54.4

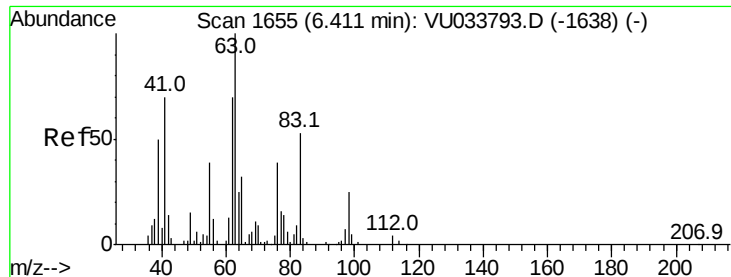


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 9.422 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033794.D

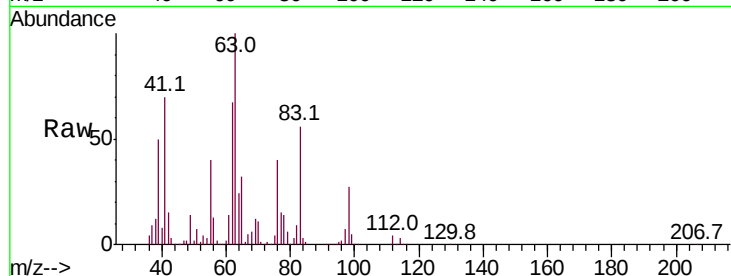
Acq: 14 Aug 2019 11:14

Tot Ion: 63 Resp: 211011

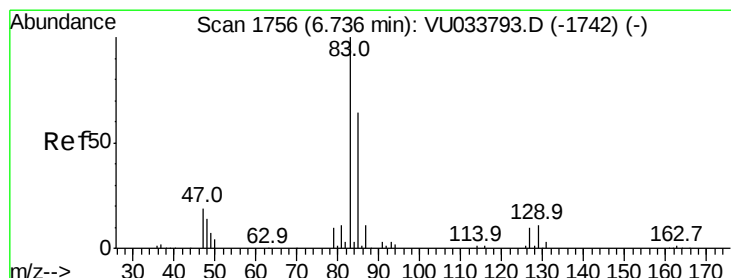
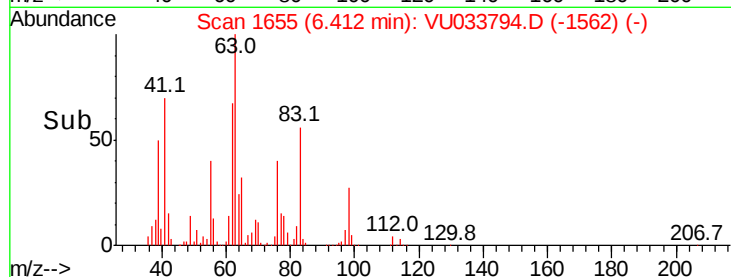
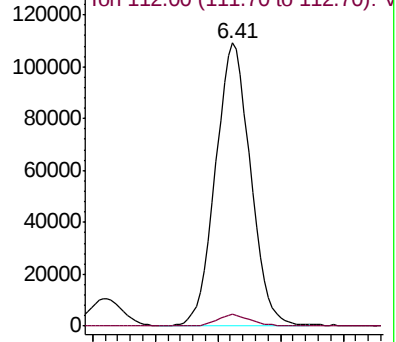
Ion Ratio Lower Upper

63 100

112 3.9 3.3 4.9



Abundance Ion 63.00 (62.70 to 63.70): VU033793.D (-1638) (-)



#38

Bromodichloromethane

Concen: 9.161 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033794.D

Acq: 14 Aug 2019 11:14

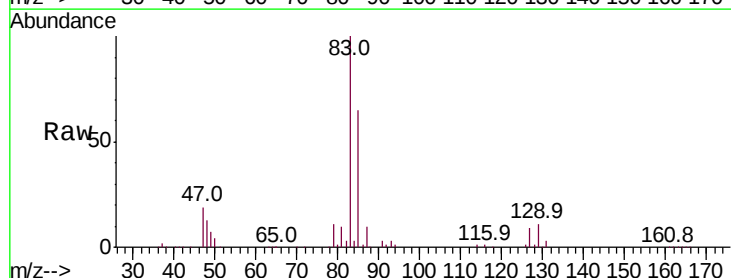
Tgt Ion: 83 Resp: 258719

Ion Ratio Lower Upper

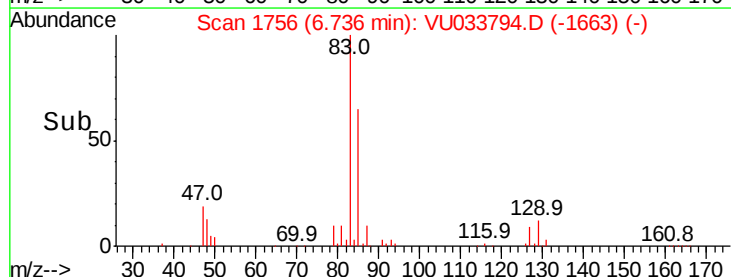
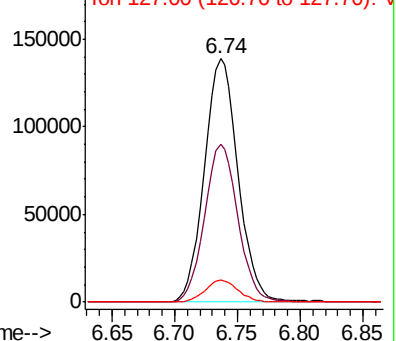
83 100

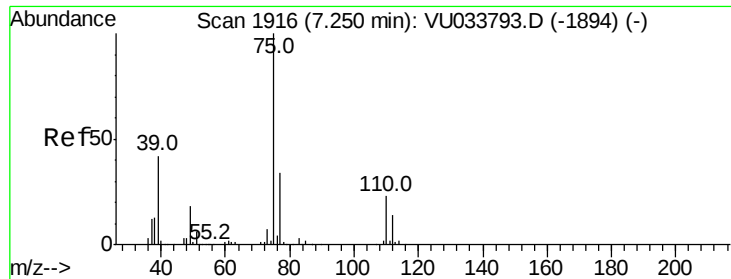
85 64.7 45.0 83.6

127 8.9 7.8 11.6



Abundance Ion 83.00 (82.70 to 83.70): VU033793.D (-1742) (-)

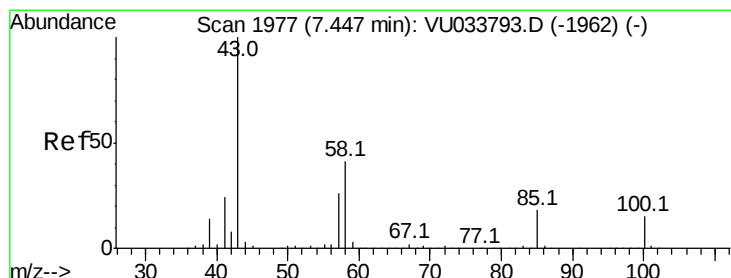
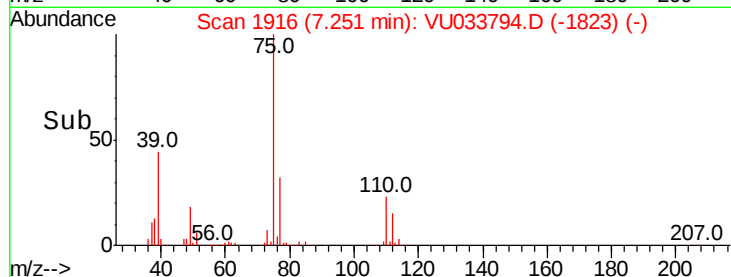
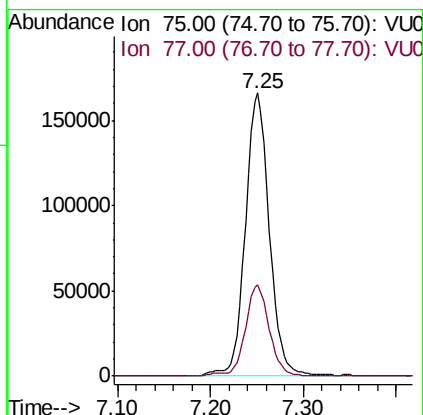
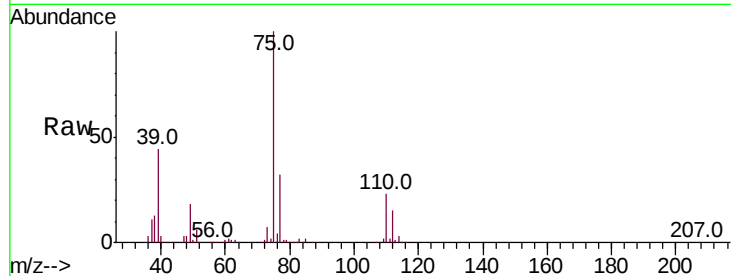




#39

cis-1,3-Dichloropropene
Concen: 9.857 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

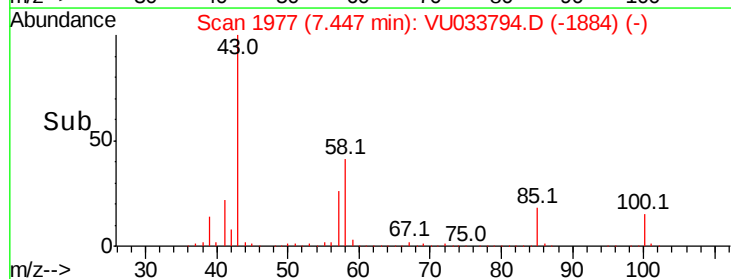
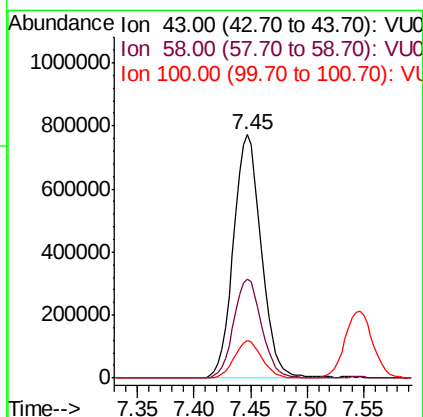
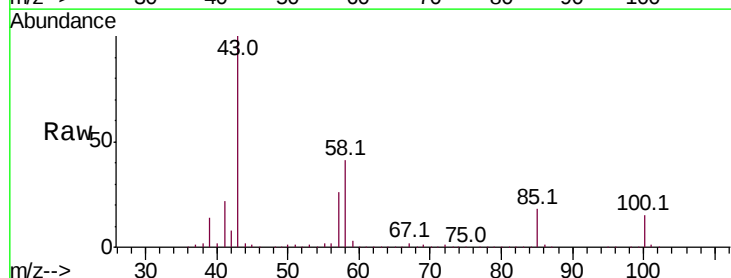
Tot Ion: 75 Resp: 297905
Ion Ratio Lower Upper
75 100
77 32.2 23.6 43.8

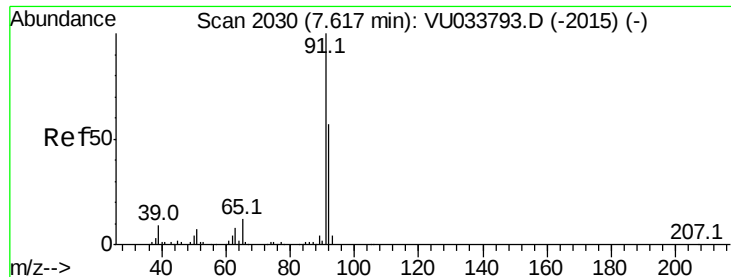


#40

4-Methyl-2-pentanone
Concen: 102.540 ug/L
RT: 7.45 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

Tgt Ion: 43 Resp: 1327043
Ion Ratio Lower Upper
43 100
58 40.9 32.2 48.4
100 15.3 11.9 17.9





#42

Toluene

Concen: 10.039 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033794.D

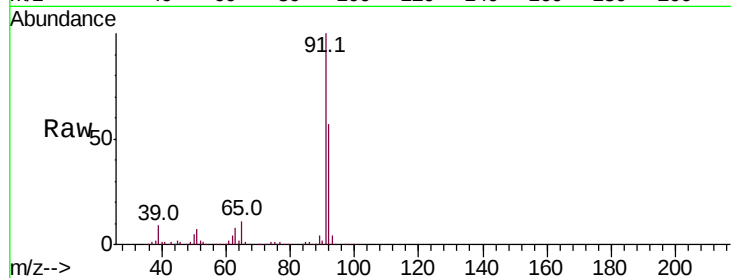
Acq: 14 Aug 2019 11:14

Tot Ion: 91 Resp: 874280

Ion Ratio Lower Upper

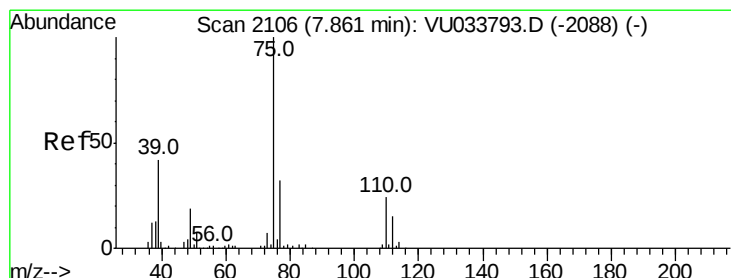
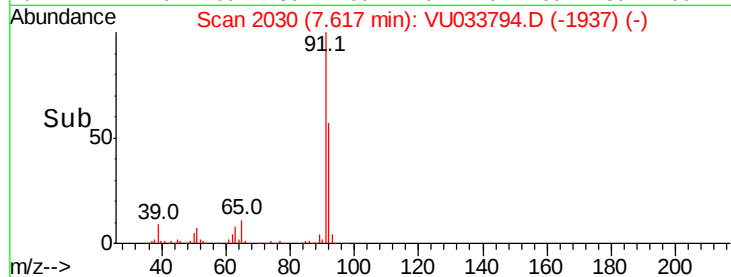
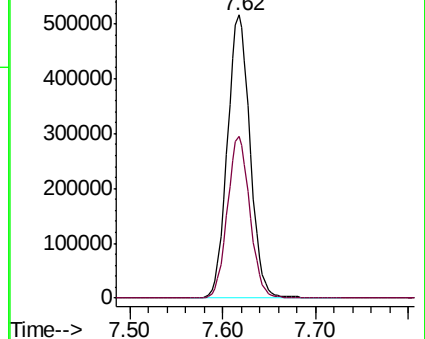
91 100

92 57.2 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU033794.D (-1937) (-)

Ion 92.00 (91.70 to 92.70): VU033794.D (-1937) (-)



#44

trans-1,3-Dichloropropene

Concen: 9.984 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033794.D

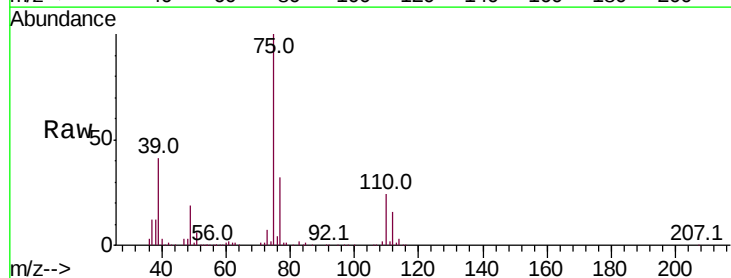
Acq: 14 Aug 2019 11:14

Tgt Ion: 75 Resp: 252250

Ion Ratio Lower Upper

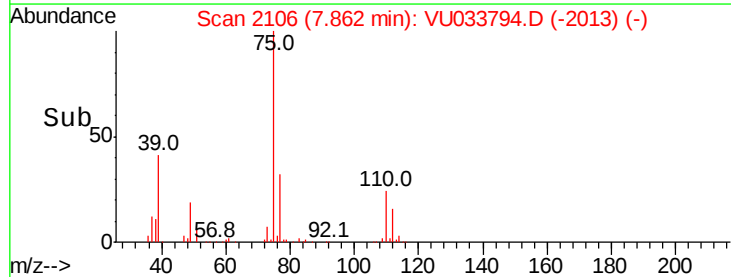
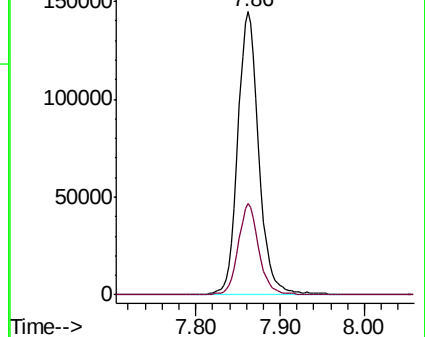
75 100

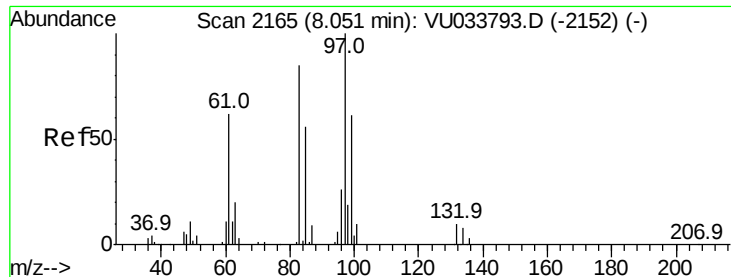
77 32.1 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU033794.D (-2013) (-)

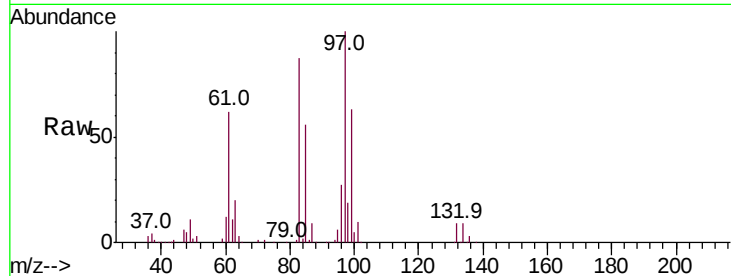
Ion 77.00 (76.70 to 77.70): VU033794.D (-2013) (-)





#45
 1,1,2-Trichloroethane
 Concen: 9.359 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033794.D
 Acq: 14 Aug 2019 11:14

Tot Ion:	97	Resp:	149760
Ion	Ratio	Lower	Upper
97	100		
99	63.1	42.6	79.0
83	86.7	59.8	111.1
85	55.6	39.3	72.9

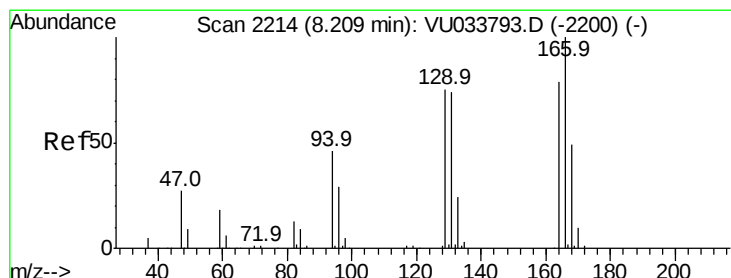
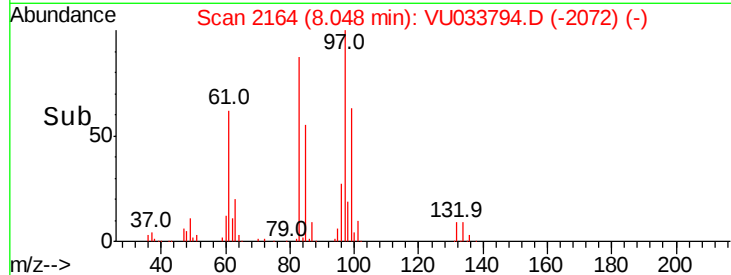
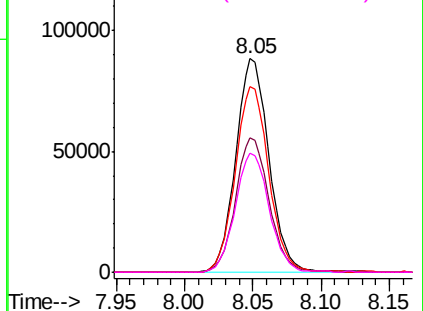


Abundance Ion 97.00 (96.70 to 97.70): VU033793.D (-2152) (-)

Ion 99.00 (98.70 to 99.70): VU033793.D (-2152) (-)

Ion 83.00 (82.70 to 83.70): VU033793.D (-2152) (-)

Ion 85.00 (84.70 to 85.70): VU033793.D (-2152) (-)



#47
 Tetrachloroethene
 Concen: 9.227 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033794.D
 Acq: 14 Aug 2019 11:14

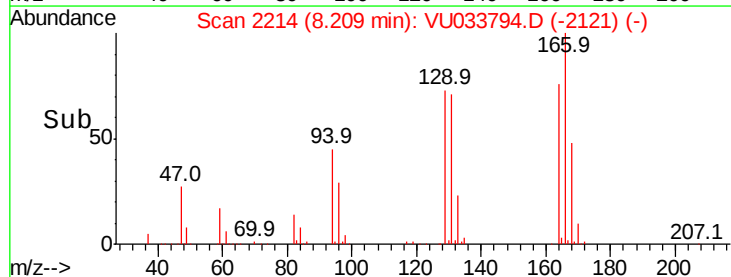
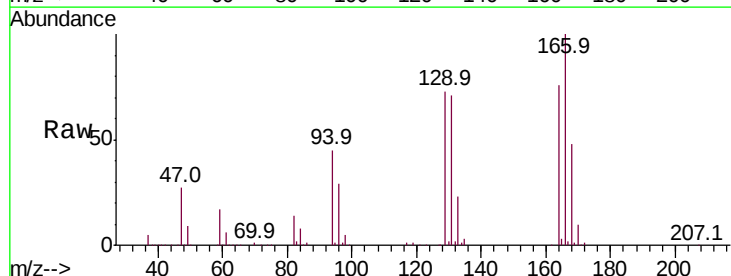
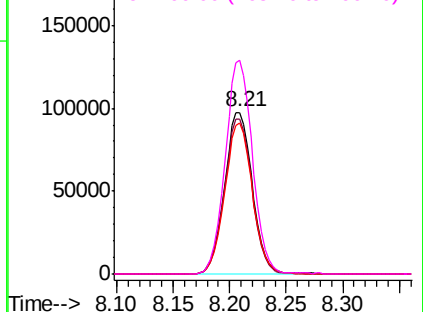
Tgt Ion:	164	Resp:	167185
Ion	Ratio	Lower	Upper
164	100		
129	95.7	66.1	122.7
131	93.5	65.2	121.2
166	131.9	88.5	164.4

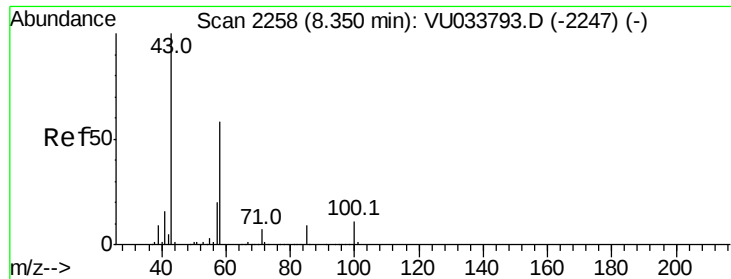
Abundance Ion 164.00 (163.70 to 164.70): VU033793.D (-2200) (-)

Ion 129.00 (128.70 to 129.70): VU033793.D (-2200) (-)

Ion 131.00 (130.70 to 131.70): VU033793.D (-2200) (-)

Ion 166.00 (165.70 to 166.70): VU033793.D (-2200) (-)

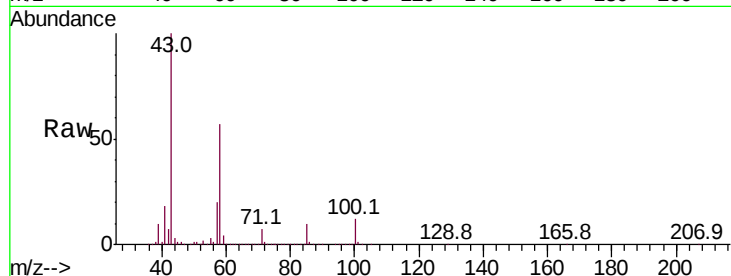




#48
2-Hexanone
Concen: 103.423 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

Tot Ion: 43 Resp: 967990

Ion	Ratio	Lower	Upper
43	100		
58	56.5	45.2	67.8
57	19.8	15.7	23.5
100	11.6	8.6	13.0

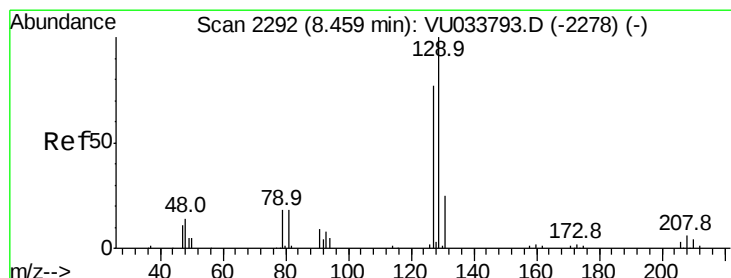
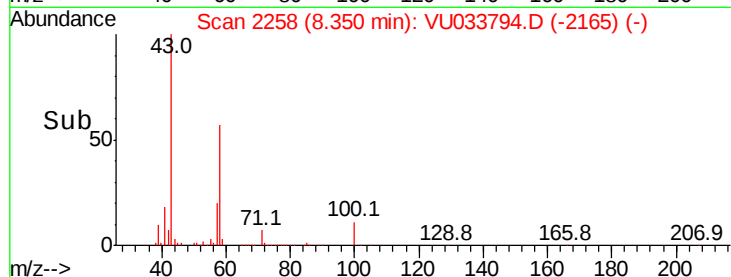
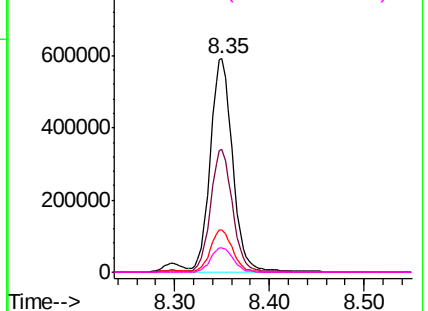


Abundance Ion 43.00 (42.70 to 43.70): VU033794.D (-2247) (-)

Ion 58.00 (57.70 to 58.70): VU033794.D (-2247) (-)

Ion 57.00 (56.70 to 57.70): VU033794.D (-2247) (-)

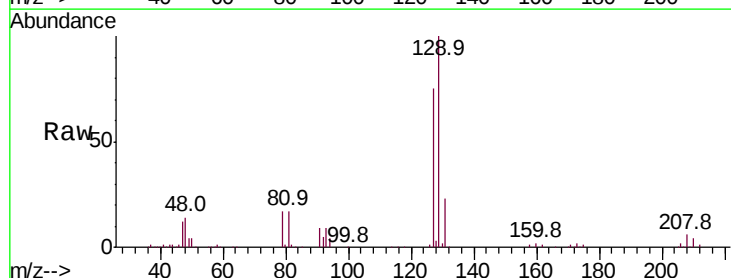
Ion 100.00 (99.70 to 100.70): VU033794.D (-2247) (-)



#49
Dibromochloromethane
Concen: 9.549 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

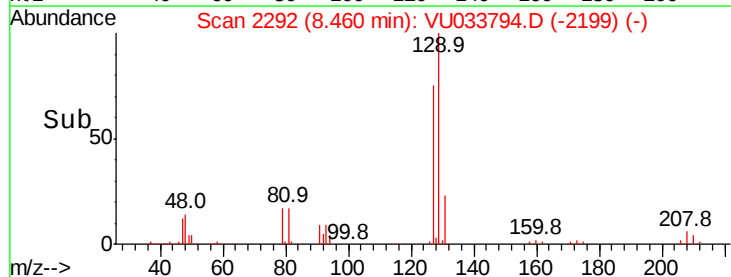
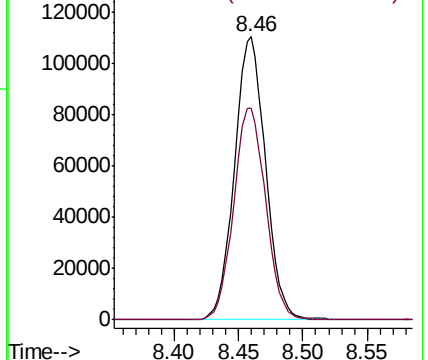
Tgt Ion: 129 Resp: 185302

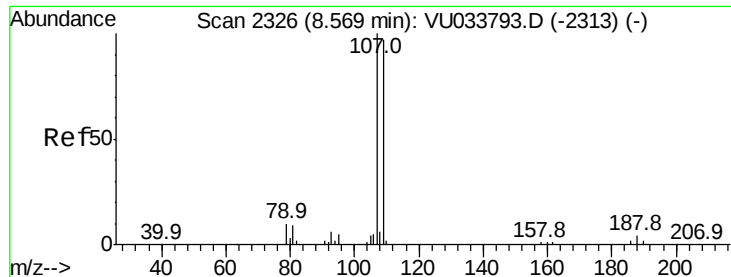
Ion	Ratio	Lower	Upper
129	100		
127	74.7	54.2	100.6



Abundance Ion 129.00 (128.70 to 129.70): VU033794.D (-2278) (-)

Ion 127.00 (126.70 to 127.70): VU033794.D (-2278) (-)





#50

1,2-Dibromoethane

Concen: 9.535 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU033794.D

Acq: 14 Aug 2019 11:14

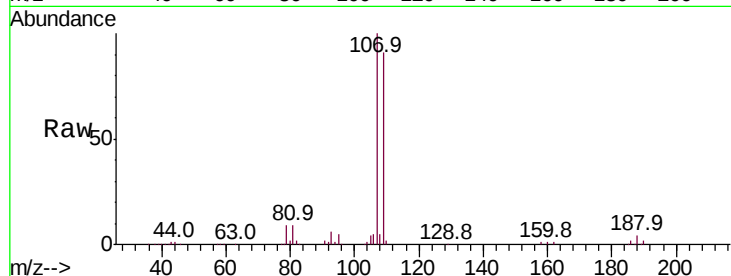
Tot Ion:107 Resp: 147519

Ion Ratio Lower Upper

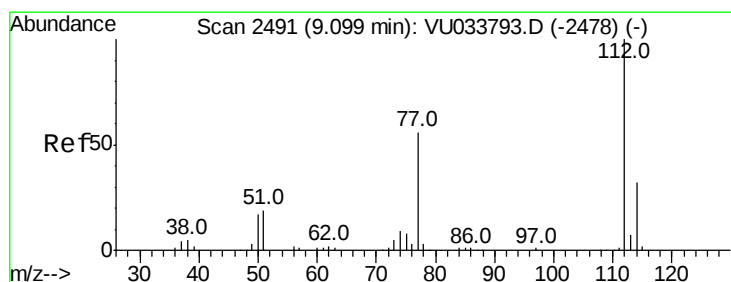
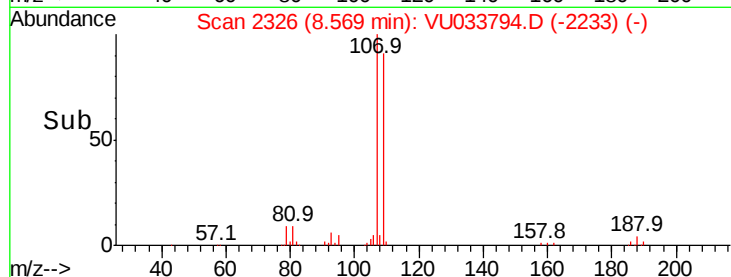
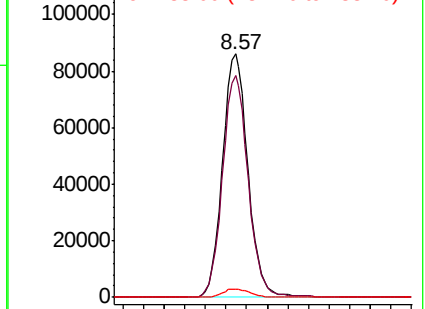
107 100

109 90.9 68.3 126.8

188 3.6 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: 9.524 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU033794.D

Acq: 14 Aug 2019 11:14

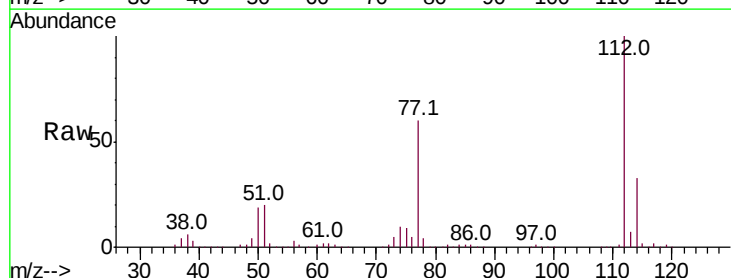
Tgt Ion:112 Resp: 533975

Ion Ratio Lower Upper

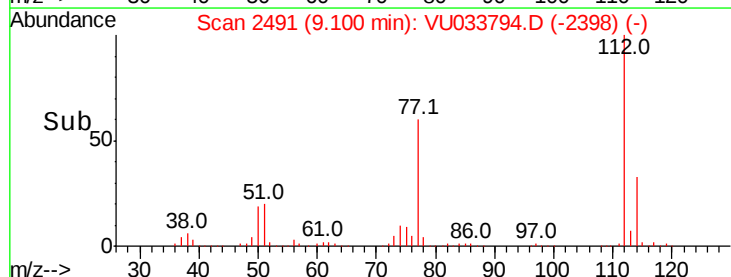
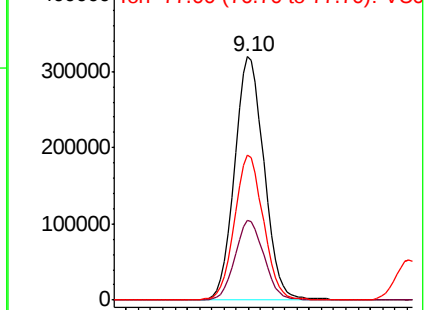
112 100

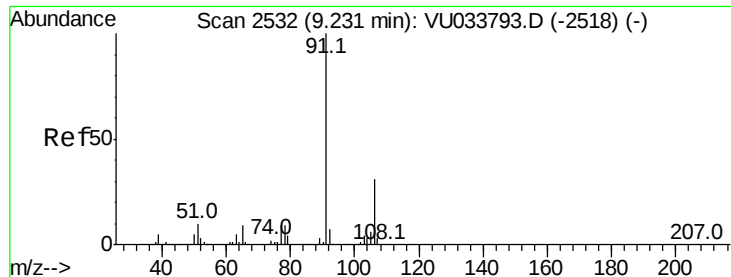
114 32.5 22.5 41.7

77 59.8 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): V





#52

Ethylbenzene

Concen: 10.284 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033794.D

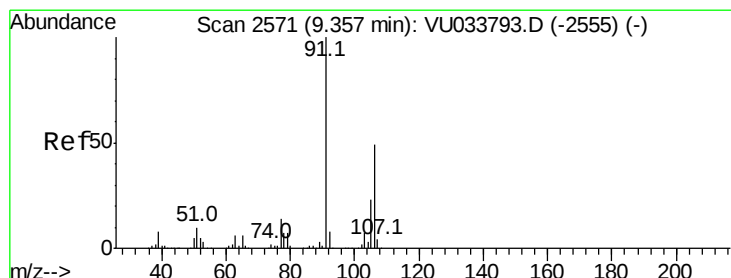
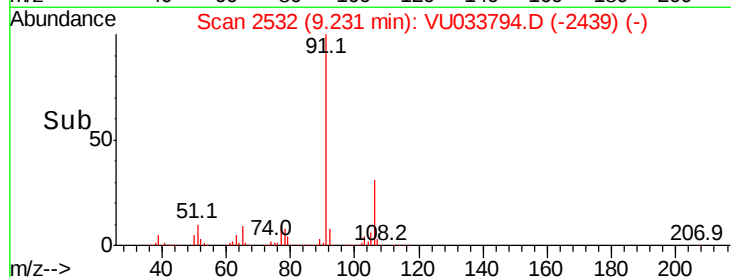
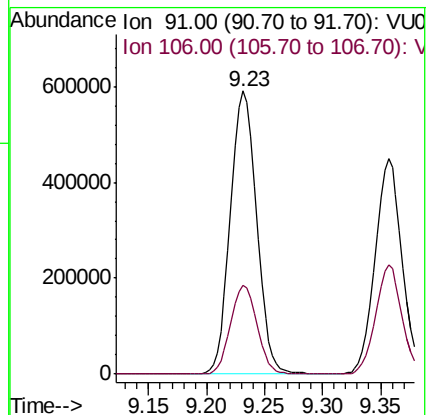
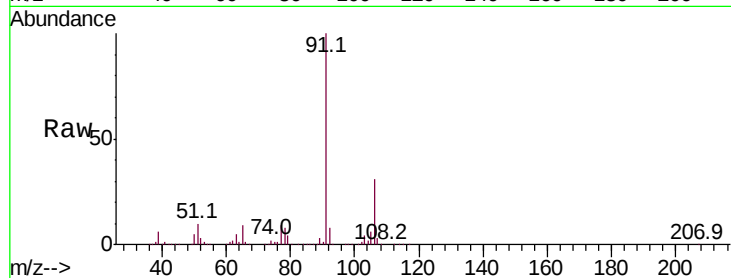
Acq: 14 Aug 2019 11:14

Tot Ion: 91 Resp: 926931

Ion Ratio Lower Upper

91 100

106 31.3 21.6 40.0



#53

m,p-Xylene

Concen: 10.616 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033794.D

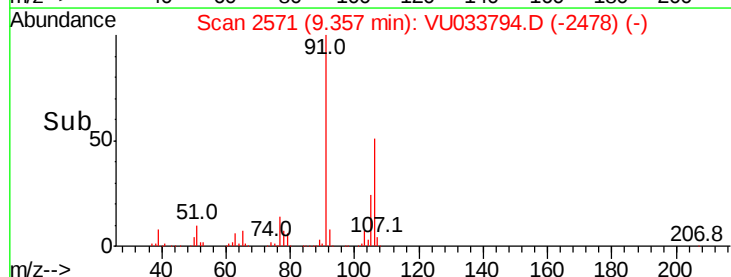
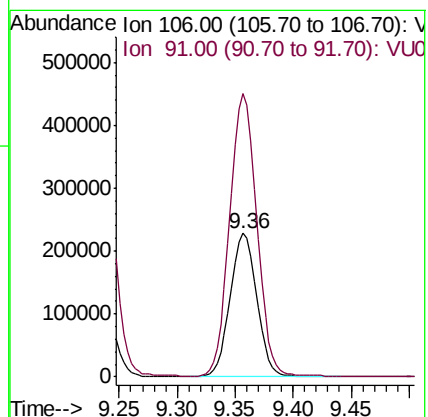
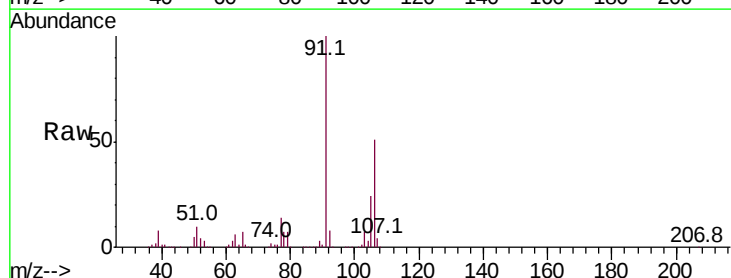
Acq: 14 Aug 2019 11:14

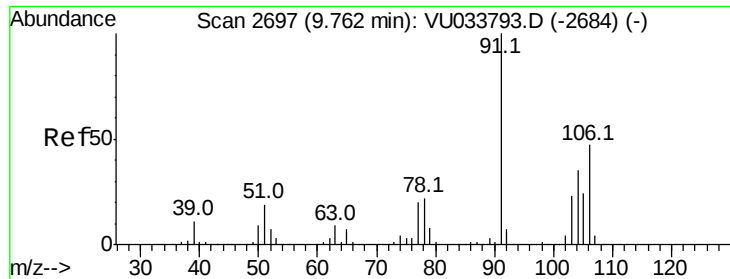
Tgt Ion: 106 Resp: 360831

Ion Ratio Lower Upper

106 100

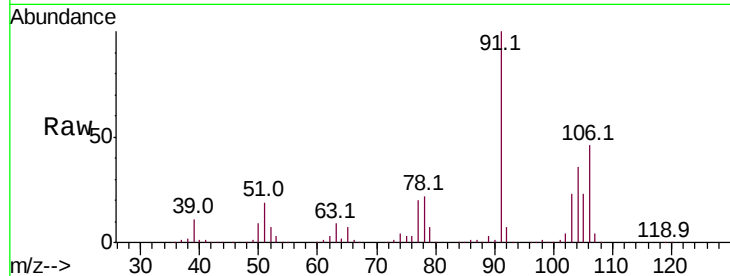
91 197.3 142.7 265.1



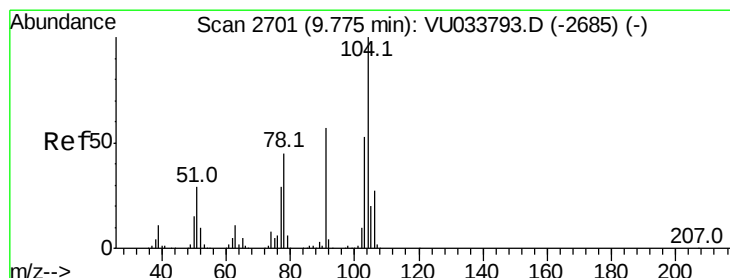
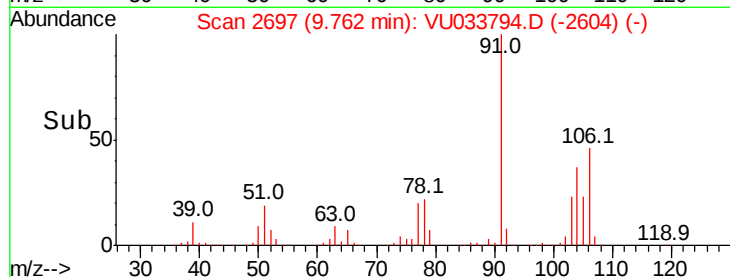
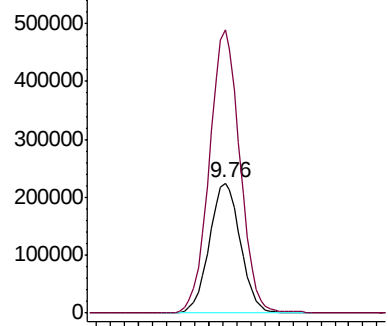


#54
o-Xylene
Concen: 10.753 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

Tot Ion:106 Resp: 346981
Ion Ratio Lower Upper
106 100
91 217.4 149.5 277.7

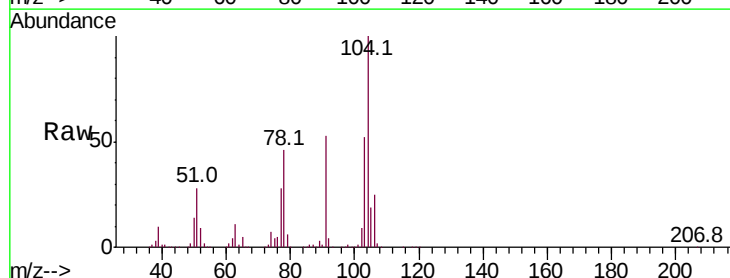


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

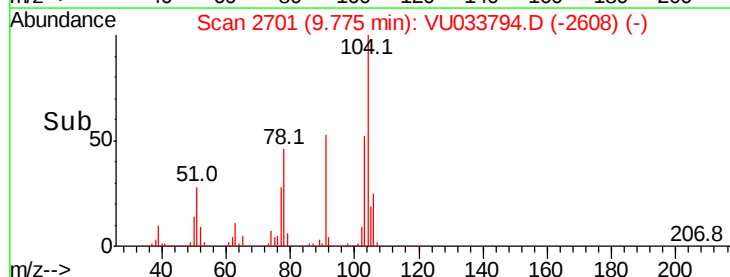
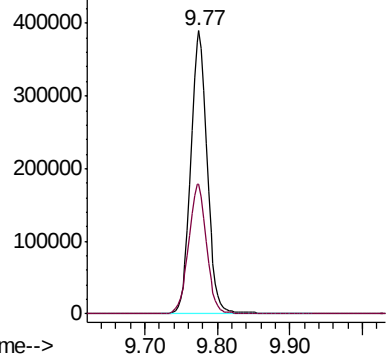


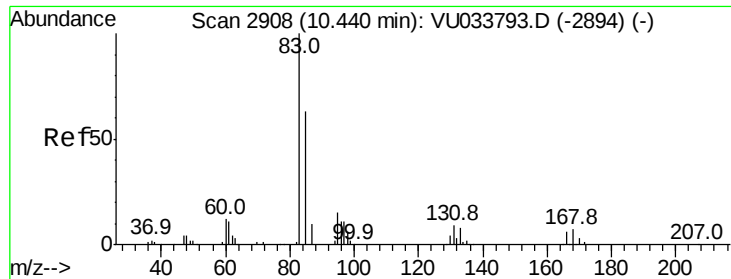
#55
Styrene
Concen: 10.979 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

Tgt Ion:104 Resp: 614787
Ion Ratio Lower Upper
104 100
78 45.7 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: 9.175 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033794.D

Acq: 14 Aug 2019 11:14

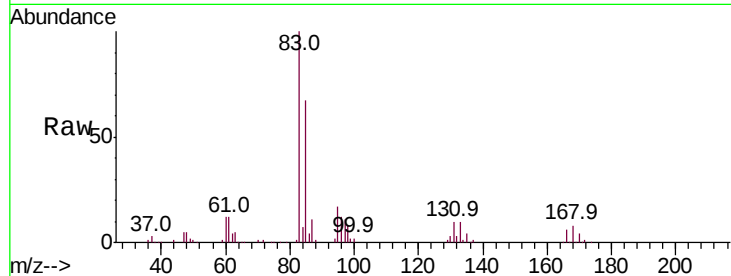
Tot Ion: 83 Resp: 192846

Ion	Ratio	Lower	Upper
83	100		
85	66.8	44.4	82.4
131	9.9	7.6	11.4

83 100

85 66.8 44.4 82.4

131 9.9 7.6 11.4

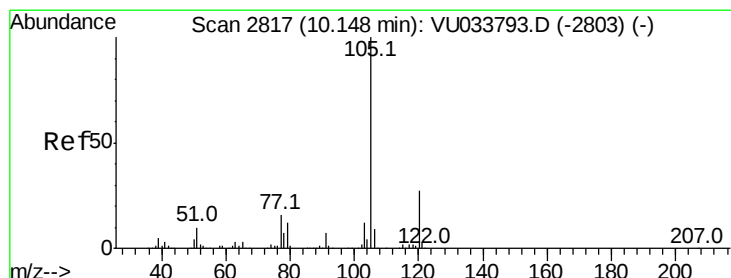
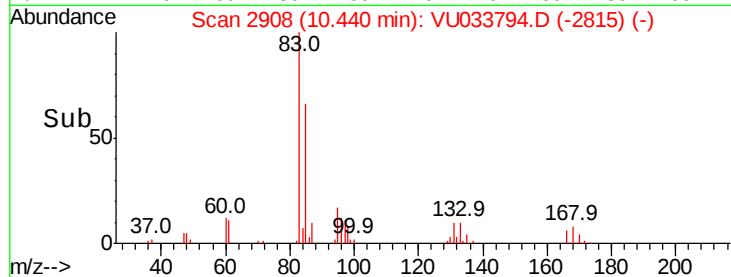
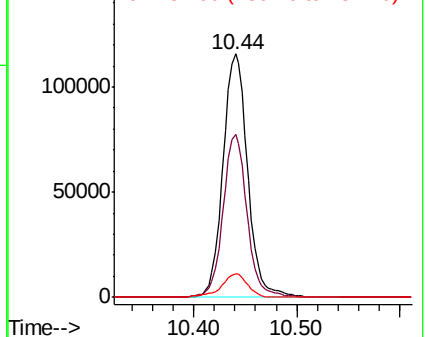


Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): VU0



#59

Isopropylbenzene

Concen: 10.138 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033794.D

Acq: 14 Aug 2019 11:14

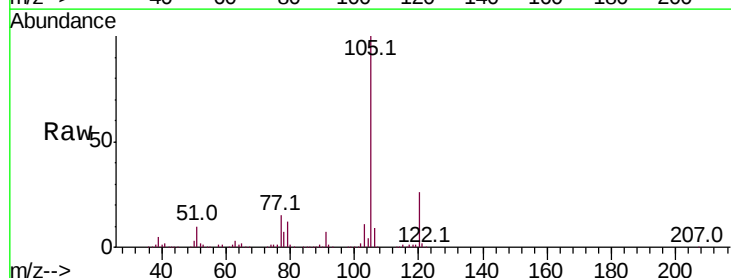
Tgt Ion:105 Resp: 906875

Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.5	32.3
77	15.8	12.8	19.2

105 100

120 26.4 21.5 32.3

77 15.8 12.8 19.2

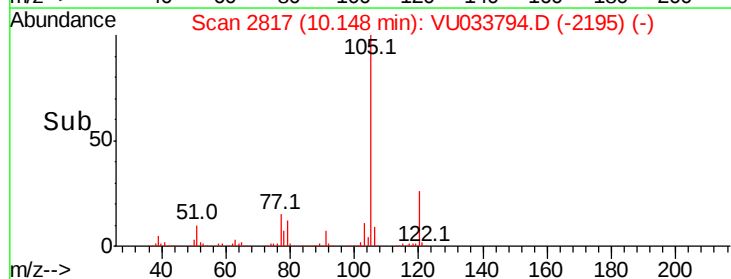
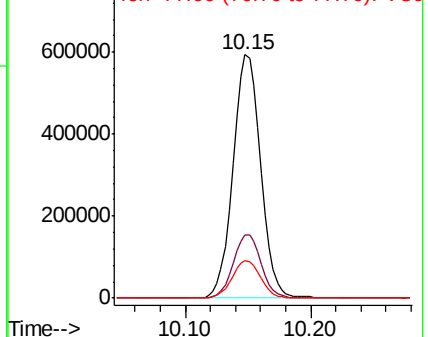


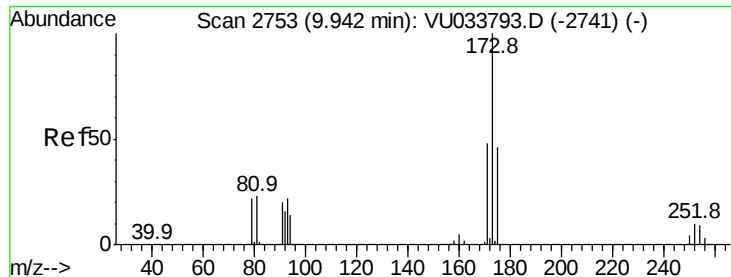
Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#60

Bromoform

Concen: 9.071 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU033794.D

Acq: 14 Aug 2019 11:14

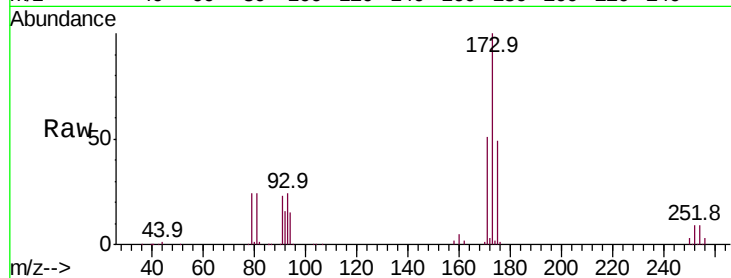
Tot Ion:173 Resp: 108723

Ion Ratio Lower Upper

173 100

175 49.1 36.6 55.0

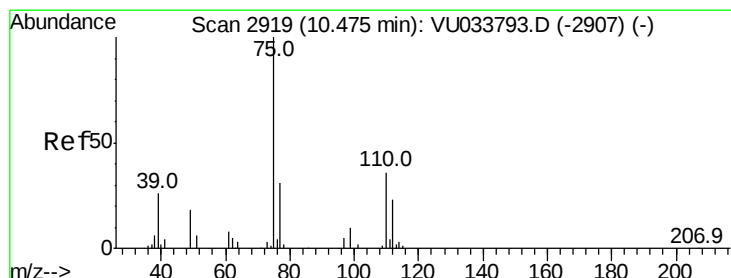
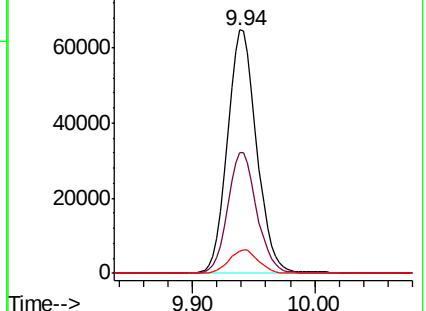
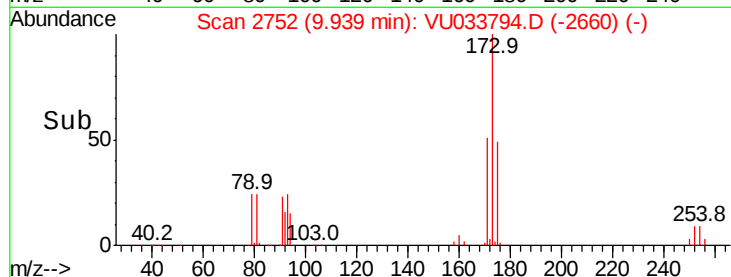
254 9.6 7.0 10.4



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: 2.687 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033794.D

Acq: 14 Aug 2019 11:14

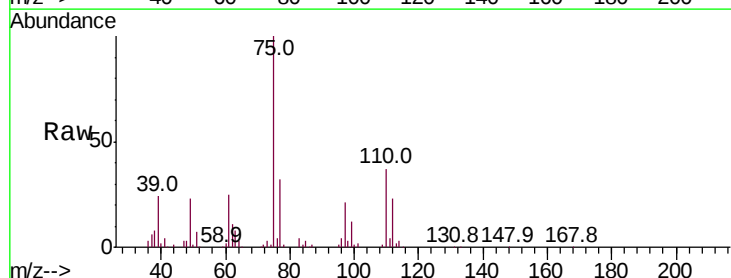
Tgt Ion: 75 Resp: 136463

Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.6

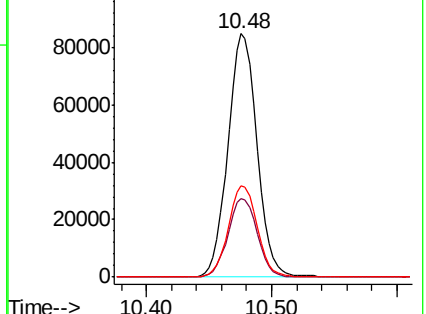
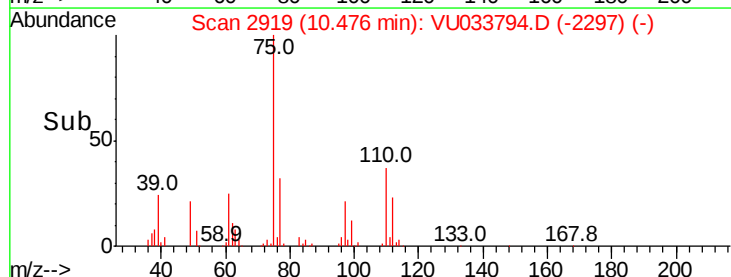
110 37.2 28.9 43.3

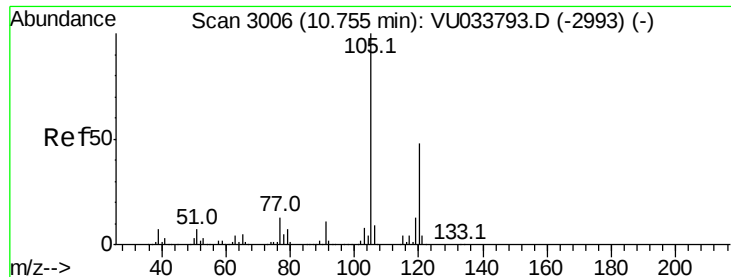


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

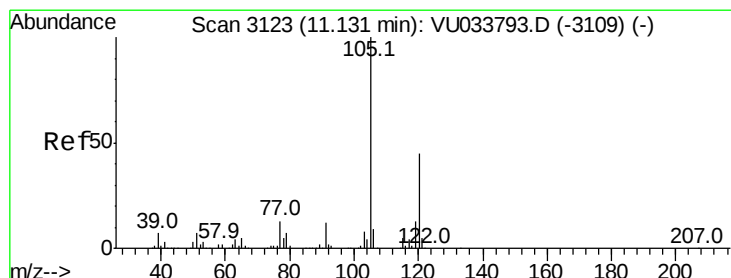
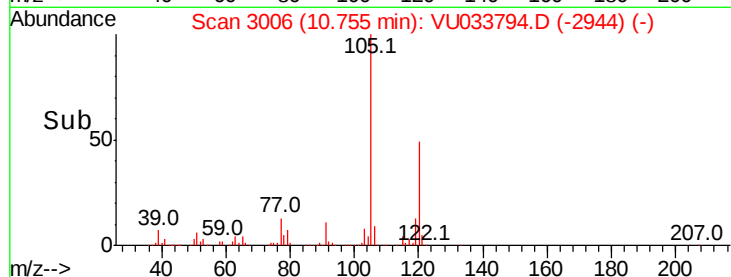
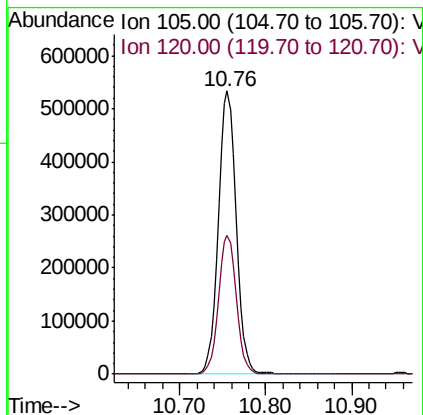
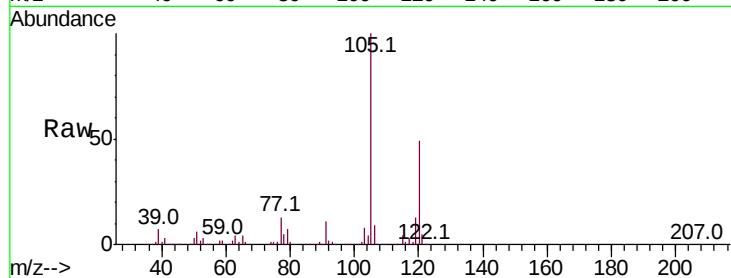




#62

1,3,5-Trimethylbenzene
Concen: 10.651 ug/L
RT: 10.76 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

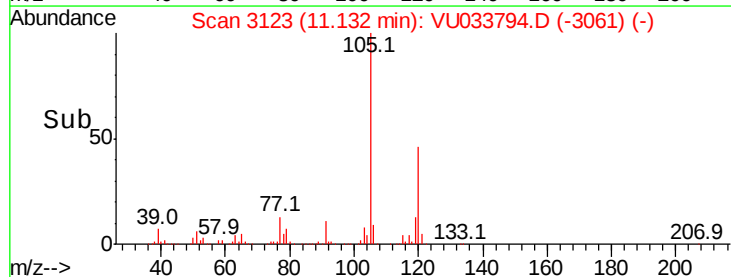
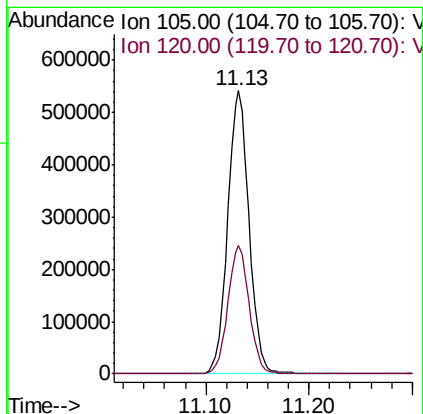
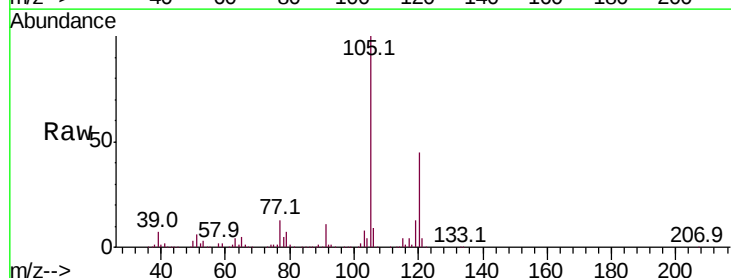
Tot Ion:105 Resp: 773124
Ion Ratio Lower Upper
105 100
120 48.9 38.6 58.0

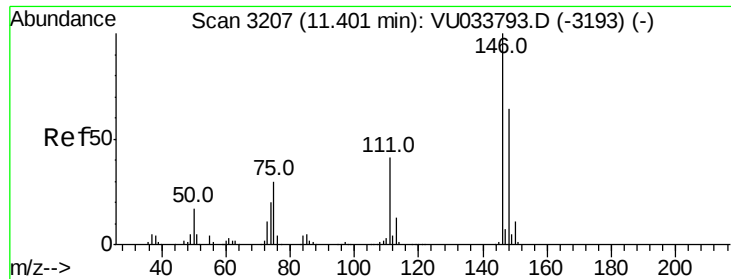


#63

1,2,4-Trimethylbenzene
Concen: 10.762 ug/L
RT: 11.13 min Scan# 3123
Delta R.T. 0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

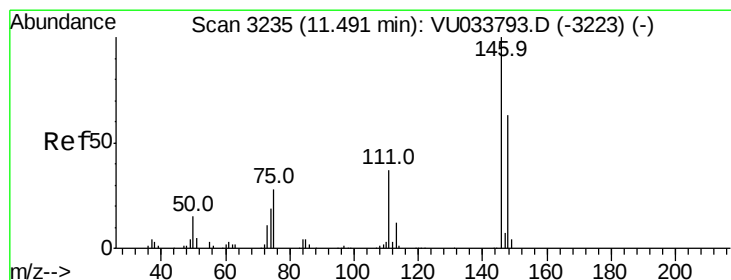
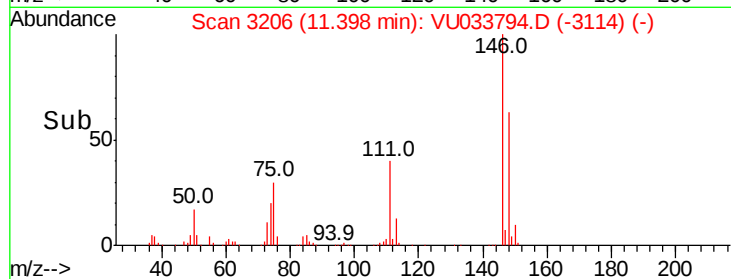
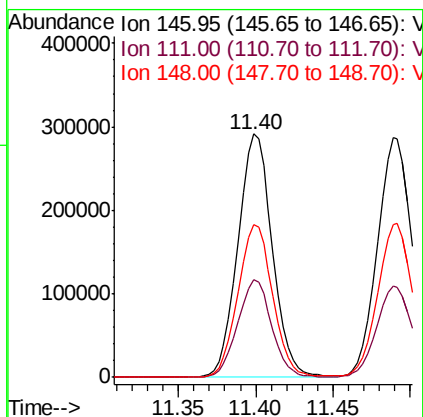
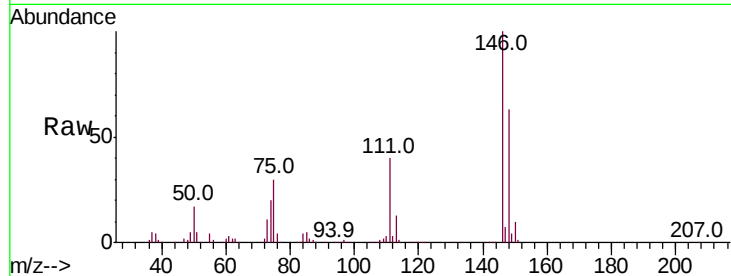
Tgt Ion:105 Resp: 779492
Ion Ratio Lower Upper
105 100
120 45.4 36.5 54.7





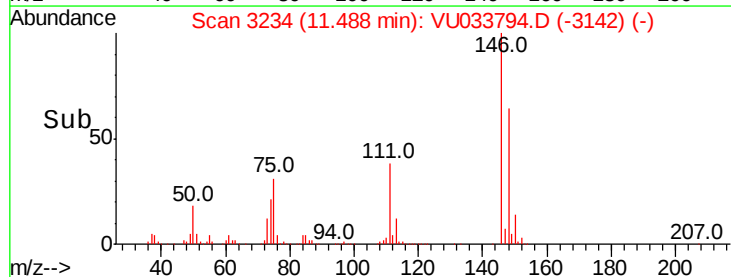
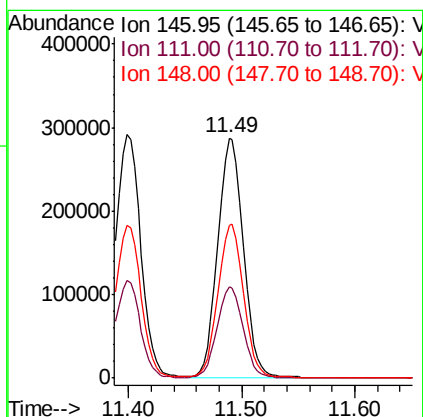
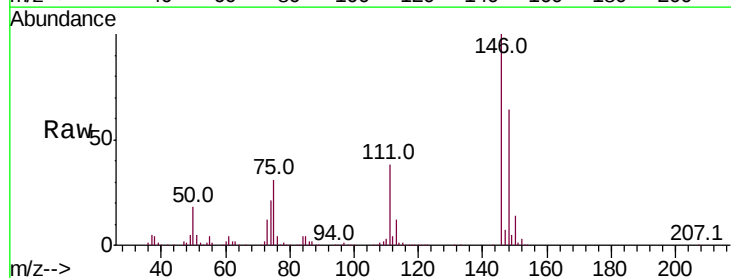
#64
 1,3-Dichlorobenzene
 Concen: 9.447 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU033794.D
 Acq: 14 Aug 2019 11:14

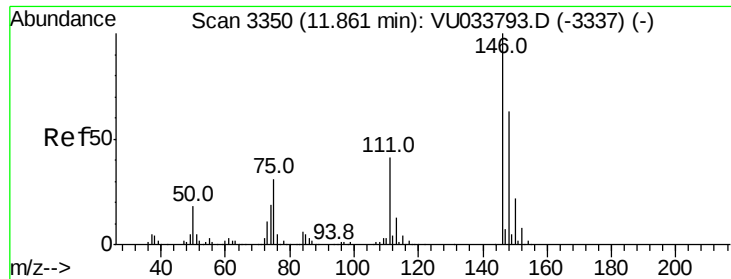
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	28.5	52.9
148	62.9	44.6	82.8



#65
 1,4-Dichlorobenzene
 Concen: 9.278 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU033794.D
 Acq: 14 Aug 2019 11:14

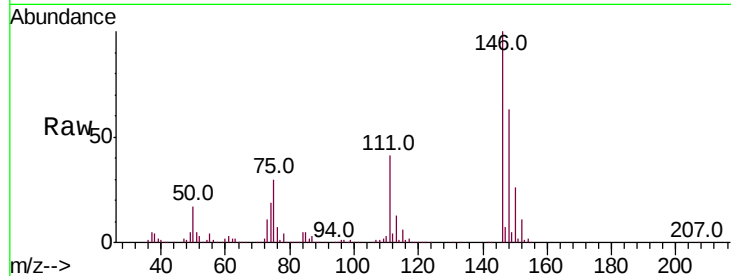
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	26.2	48.8
148	63.8	44.2	82.0



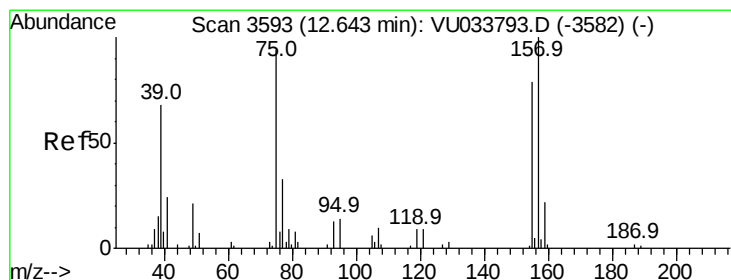
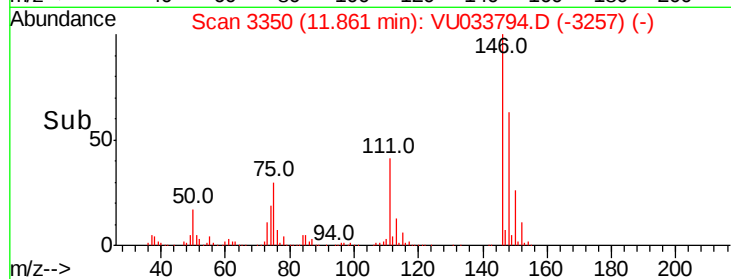
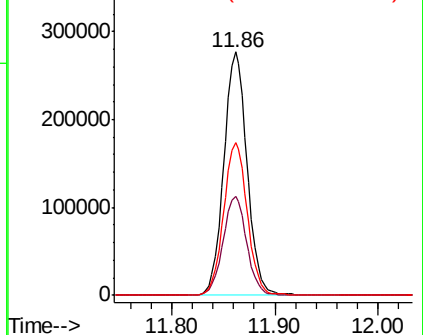


#67
 1,2-Dichlorobenzene
 Concen: 9.425 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033794.D
 Acq: 14 Aug 2019 11:14

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	32.7	49.1
148	62.8	50.6	76.0

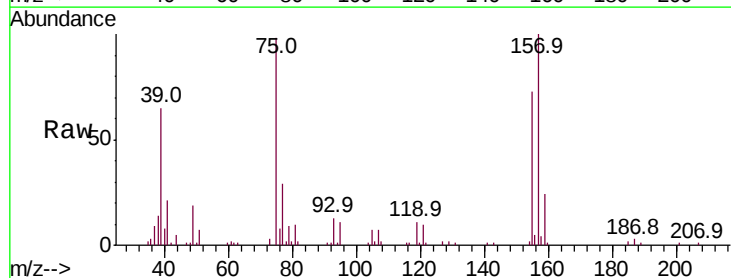


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

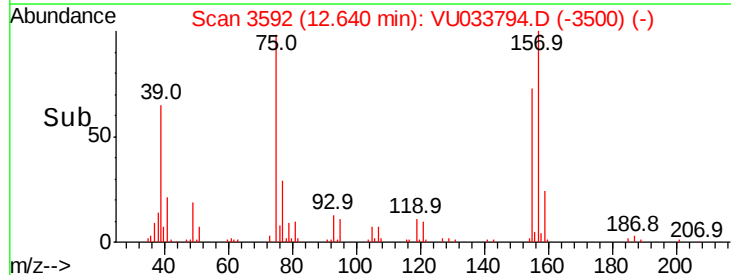
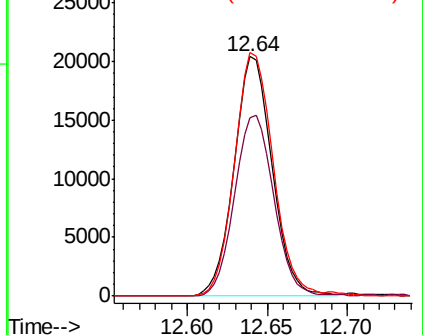


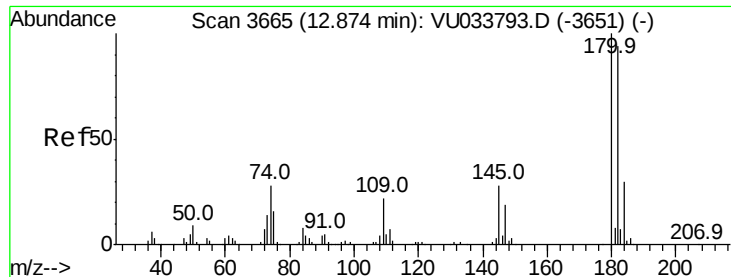
#68
 1,2-Dibromo-3-chloropropane
 Concen: 9.758 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033794.D
 Acq: 14 Aug 2019 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.7	67.3	100.9
157	101.8	85.3	127.9



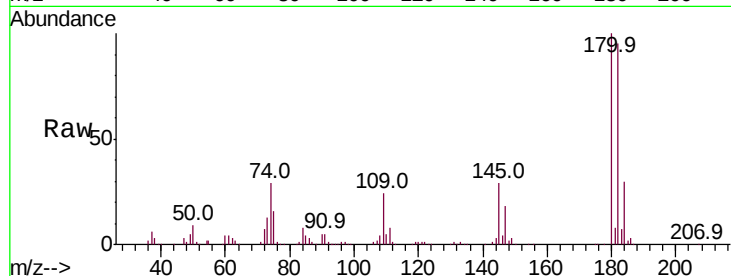
Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V



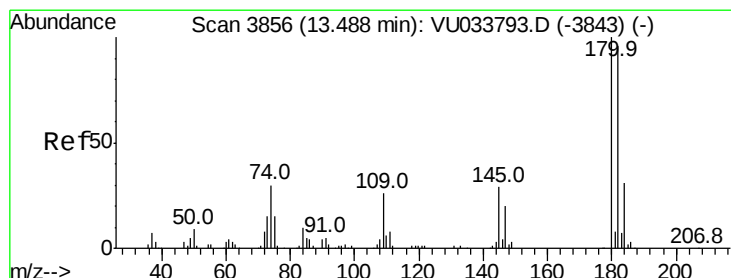
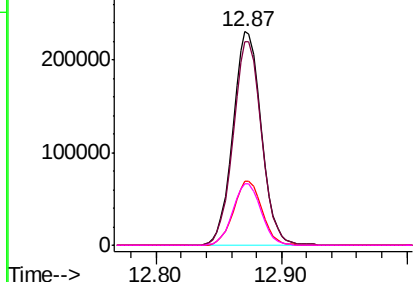
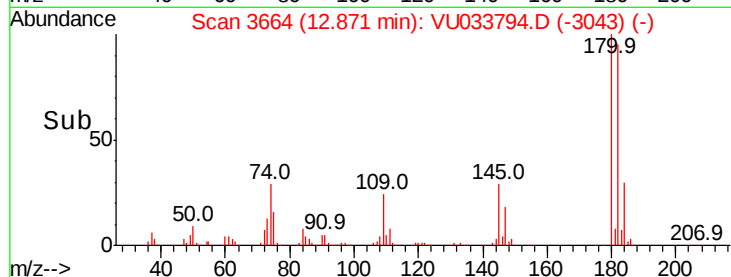


#69
 1,3,5-Trichlorobenzene
 Concen: 9.632 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. -0.00 min
 Lab File: VU033794.D
 Acq: 14 Aug 2019 11:14

Tot Ion:	180	Resp:	362397
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.6	114.8
184	30.2	24.4	36.6
145	28.9	23.3	34.9

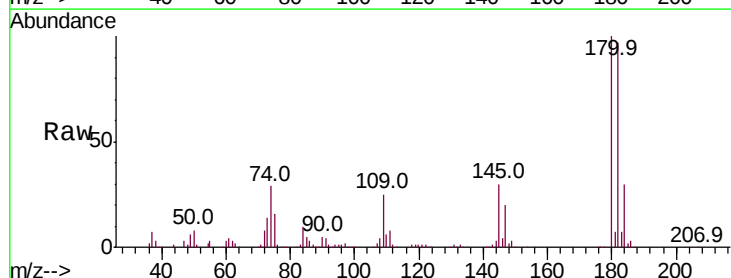


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

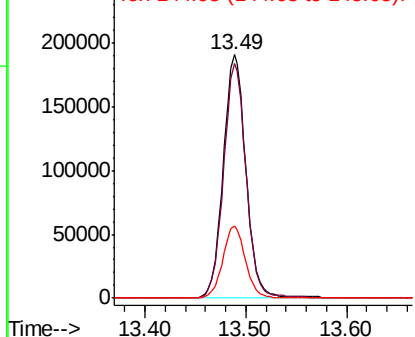
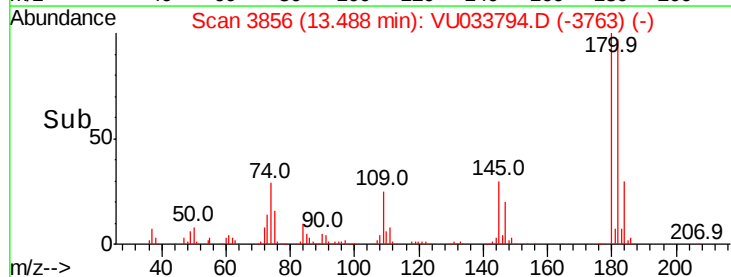


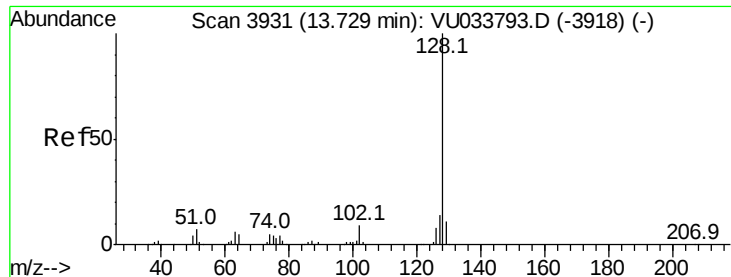
#70
 1,2,4-trichlorobenzene
 Concen: 10.275 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033794.D
 Acq: 14 Aug 2019 11:14

Tgt Ion:	180	Resp:	300869
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.4	116.2
145	29.7	23.5	35.3



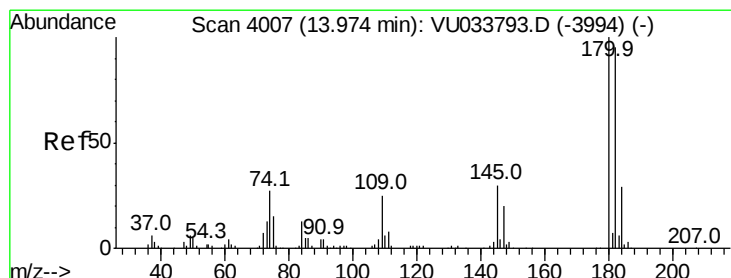
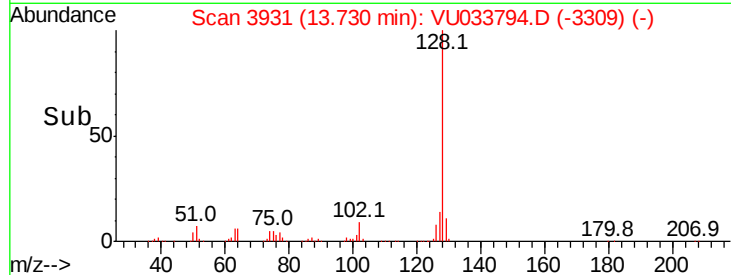
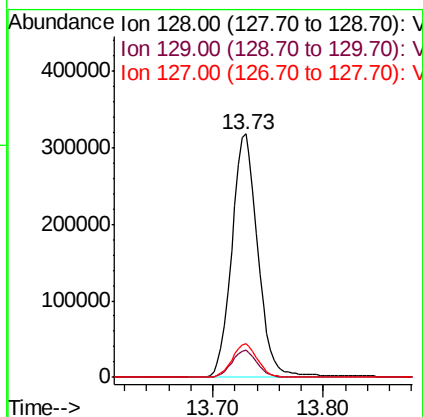
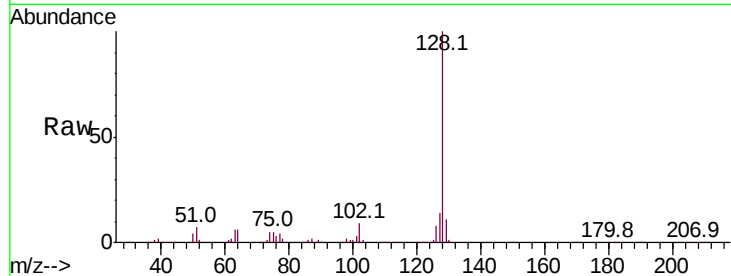
Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#71
Naphthalene
Concen: 11.558 ug/L
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

Tot Ion:128 Resp: 521186
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 13.6 11.2 16.8



#72
1,2,3-Trichlorobenzene
Concen: 10.471 ug/L
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU033794.D
Acq: 14 Aug 2019 11:14

Tgt Ion:180 Resp: 288950
Ion Ratio Lower Upper
180 100
182 96.2 75.7 113.5
145 31.5 24.3 36.5

