

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081419\
 Data File : VU033793.D
 Acq On : 14 Aug 2019 10:50
 Operator : JC/SP
 Sample : VSTD00506
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 15 14:22:43 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	184403	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	188499	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	105207	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	98406	4.71	ug/L	0.00
7) Chloroethane-d5	1.67	69	76657	4.70	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	65	45460	4.74	ug/L	0.00
20) 2-Butanone-d5	4.19	46	195695	48.53	ug/L	0.00
24) Chloroform-d	4.62	84	146409	4.71	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	75435	4.63	ug/L	0.00
32) Benzene-d6	5.31	84	282365	4.87	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	87500	4.76	ug/L	0.00
41) Toluene-d8	7.55	98	267128	5.02	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	35672	4.91	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	152039	52.49	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.41	84	75291	4.75	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.84	152	98690	4.63	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	131714	4.928	ug/L 100
3) Chloromethane	1.32	50	137937	4.972	ug/L 100
5) Vinyl chloride	1.39	62	149884	4.955	ug/L 100
6) Bromomethane	1.62	94	86179	4.895	ug/L 100
8) Chloroethane	1.69	64	86501	4.841	ug/L 100
9) Trichlorofluoromethane	1.88	101	197171	4.758	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	108144	4.918	ug/L 100
12) 1,1-Dichloroethene	2.27	96	105584	4.969	ug/L 100
13) Acetone	2.35	43	210629	49.170	ug/L 100
14) Carbon disulfide	2.46	76	351722	4.874	ug/L 100
15) Methyl Acetate	2.61	43	55280	4.948	ug/L 100
16) Methylene chloride	2.68	84	116063	4.679	ug/L 100
17) Methyl tert-butyl Ether	2.99	73	272085	4.946	ug/L 100
18) trans-1,2-Dichloroethene	2.96	96	111691	4.895	ug/L 100
19) 1,1-Dichloroethane	3.42	63	177013	4.962	ug/L 100
21) 2-Butanone	4.27	43	264110	49.966	ug/L 100
22) cis-1,2-Dichloroethene	4.20	96	95722	4.917	ug/L 100
23) Bromochloromethane	4.52	128	46281	4.959	ug/L 100
25) Chloroform	4.65	83	183420	4.777	ug/L 100
27) 1,2-Dichloroethane	5.39	62	114418	4.837	ug/L 100
29) 1,1,1-Trichloroethane	4.89	97	153142	4.992	ug/L 100
30) Cyclohexane	4.97	56	138462	4.987	ug/L 100
31) Carbon tetrachloride	5.11	117	136600	5.005	ug/L 100
33) Benzene	5.37	78	383844	5.091	ug/L 100
34) Trichloroethene	6.16	95	97762	4.944	ug/L 100
35) Methylcyclohexane	6.40	83	149036	5.027	ug/L 100
37) 1,2-Dichloropropane	6.41	63	103984	5.104	ug/L 100
38) Bromodichloromethane	6.74	83	125965	4.903	ug/L 100
39) cis-1,3-Dichloropropene	7.25	75	139538	5.075	ug/L 100
40) 4-Methyl-2-pentanone	7.45	43	624851	53.074	ug/L 100

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

Response via : Initial Calibration

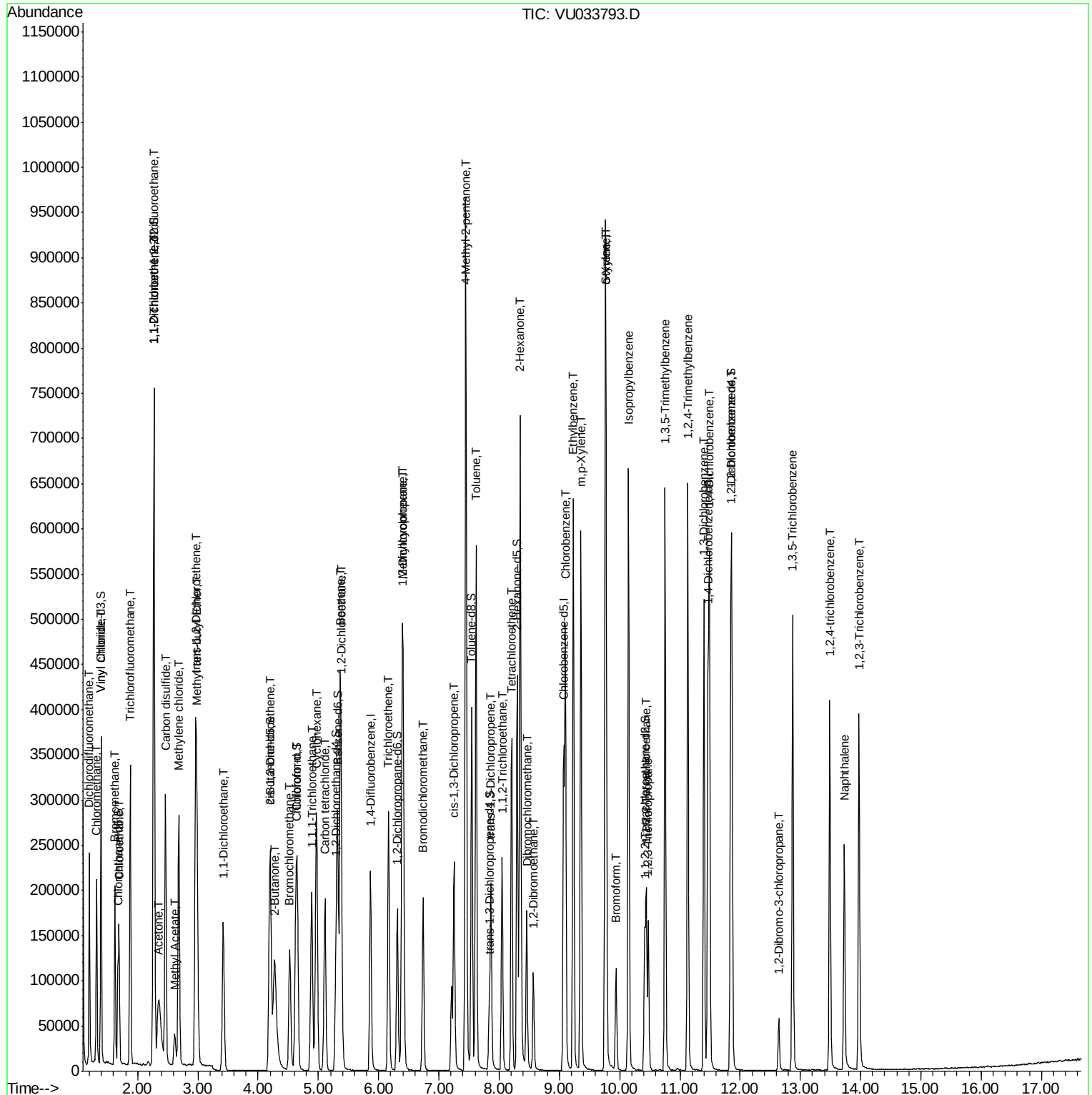
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

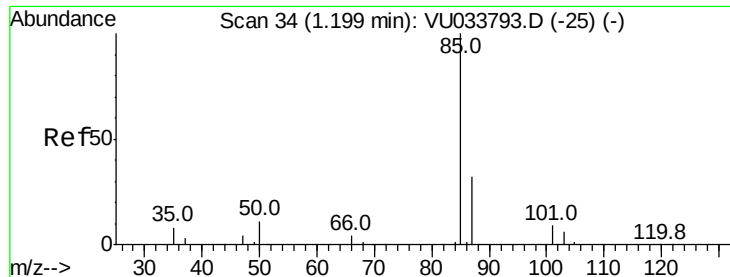
42) Toluene	7.62	91	412976	5.213	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	118076	5.137	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	72770	4.999	ug/L	100
47) Tetrachloroethene	8.21	164	81559	4.948	ug/L	100
48) 2-Hexanone	8.35	43	458560	53.857	ug/L	100
49) Dibromochloromethane	8.46	129	89781	5.086	ug/L	100
50) 1,2-Dibromoethane	8.57	107	70518	5.010	ug/L	100
51) Chlorobenzene	9.10	112	256316	5.025	ug/L	100
52) Ethylbenzene	9.23	91	424923	5.182	ug/L	100
53) m,p-Xylene	9.36	106	165260	5.345	ug/L	100
54) o-Xylene	9.76	106	156689	5.338	ug/L	100
55) Styrene	9.77	104	276473	5.427	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.44	83	96081	5.025	ug/L	100
59) Isopropylbenzene	10.15	105	410325	5.116	ug/L	100
60) Bromoform	9.94	173	52813	4.914	ug/L	100
61) 1,2,3-Trichloropropane	10.48	75	67230	1.476	ug/L	100
62) 1,3,5-Trimethylbenzene	10.76	105	332314	5.106	ug/L	100
63) 1,2,4-Trimethylbenzene	11.13	105	339662	5.230	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	211341	4.927	ug/L	100
65) 1,4-Dichlorobenzene	11.49	146	217410	4.924	ug/L	100
67) 1,2-Dichlorobenzene	11.86	146	205580	4.964	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.64	75	15033	4.929	ug/L	100
69) 1,3,5-Trichlorobenzene	12.87	180	162991	4.831	ug/L	100
70) 1,2,4-trichlorobenzene	13.49	180	127634	4.861	ug/L	100
71) Naphthalene	13.73	128	205304	5.078	ug/L	100
72) 1,2,3-Trichlorobenzene	13.97	180	129315	5.226	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 4.928 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033793.D

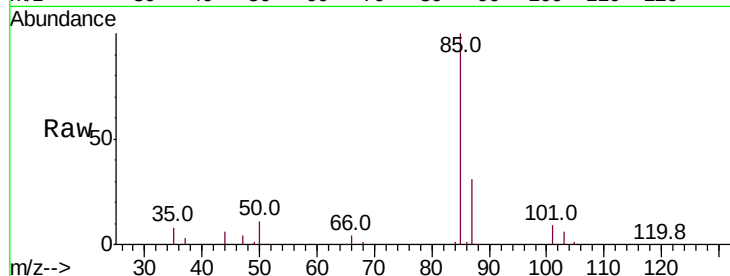
Acq: 14 Aug 2019 10:50

Tot Ion: 85 Resp: 131714

Ion Ratio Lower Upper

85 100

87 32.0 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

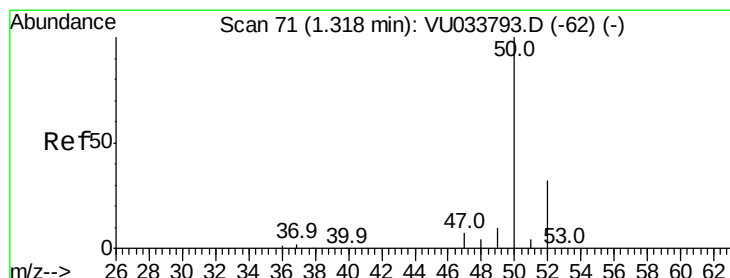
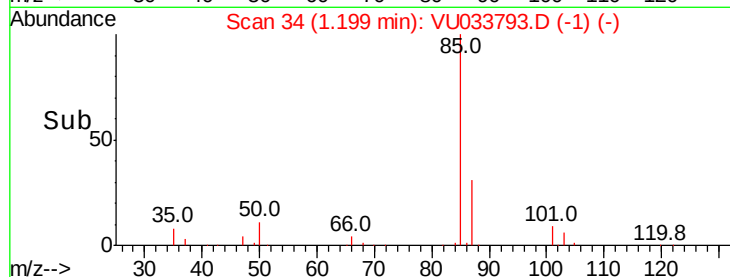
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.972 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033793.D

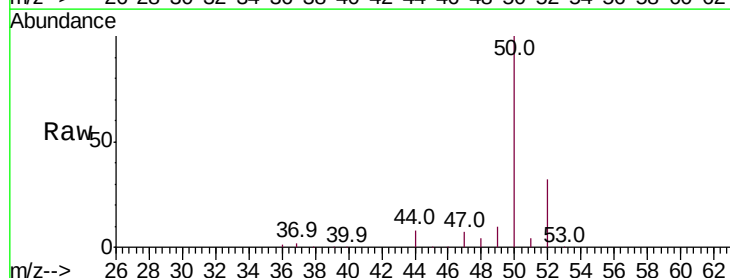
Acq: 14 Aug 2019 10:50

Tgt Ion: 50 Resp: 137937

Ion Ratio Lower Upper

50 100

52 32.4 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) (-)

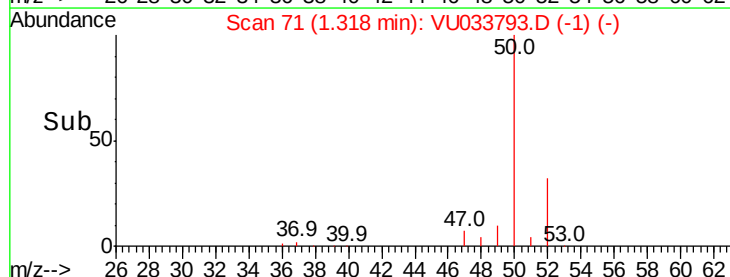
1.32

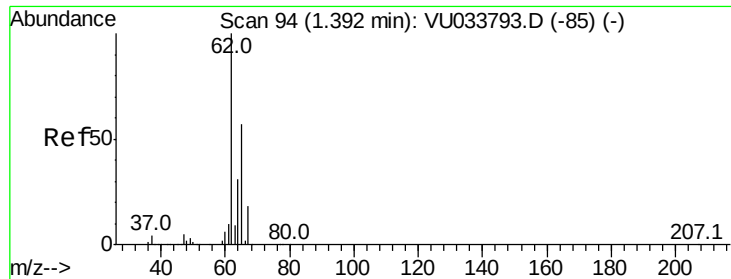
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.955 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033793.D

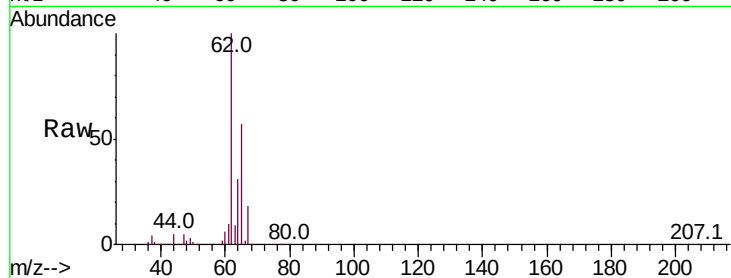
Acq: 14 Aug 2019 10:50

Tot Ion: 62 Resp: 149884

Ion Ratio Lower Upper

62 100

64 31.3 21.9 40.7



Abundance Ion 62.00 (61.70 to 62.70): VU033793.D (-85) (-)

Ion 64.00 (63.70 to 64.70): VU033793.D (-85) (-)

1.39

150000

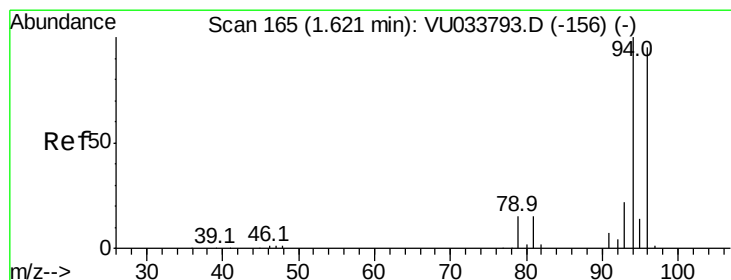
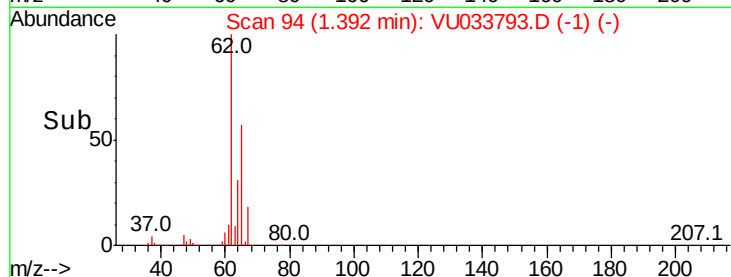
100000

50000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 4.895 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033793.D

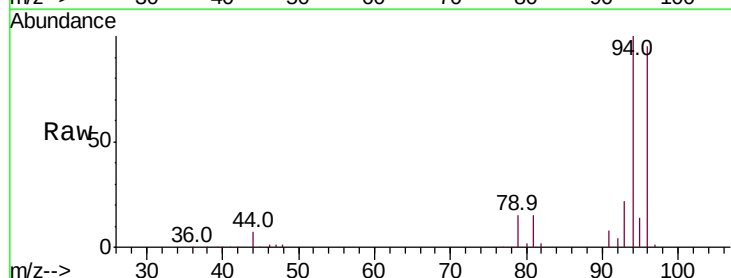
Acq: 14 Aug 2019 10:50

Tgt Ion: 94 Resp: 86179

Ion Ratio Lower Upper

94 100

96 94.8 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU033793.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU033793.D (-156) (-)

1.62

80000

60000

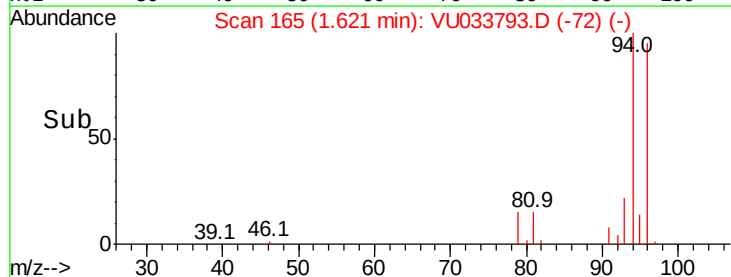
40000

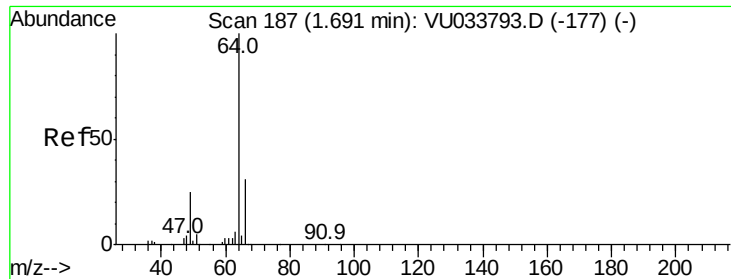
20000

0

1.55 1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 4.841 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033793.D

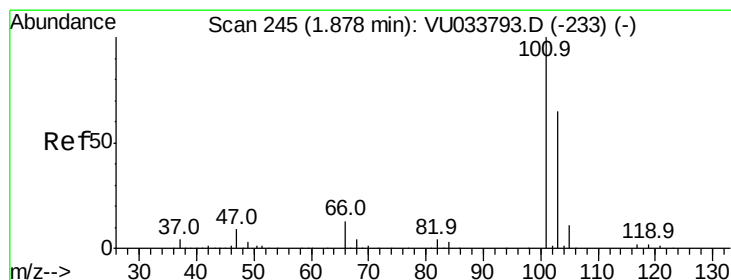
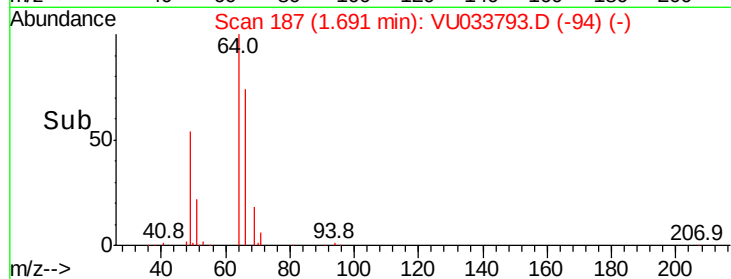
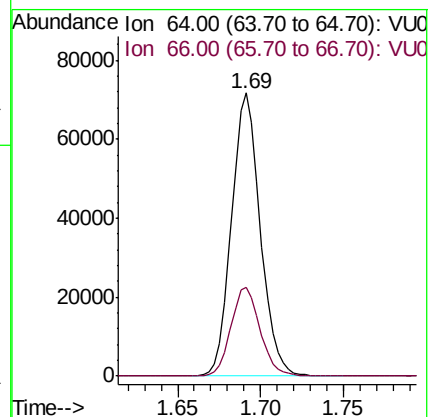
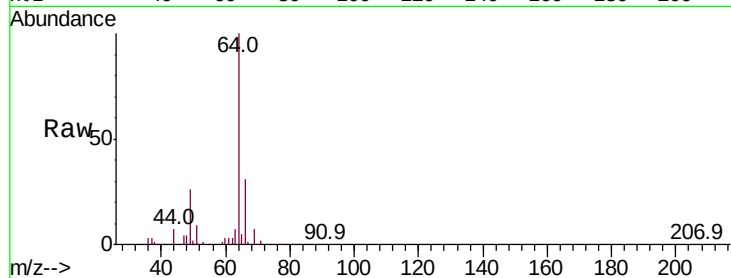
Acq: 14 Aug 2019 10:50

Tot Ion: 64 Resp: 86501

Ion Ratio Lower Upper

64 100

66 31.3 21.9 40.7



#9

Trichlorofluoromethane

Concen: 4.758 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU033793.D

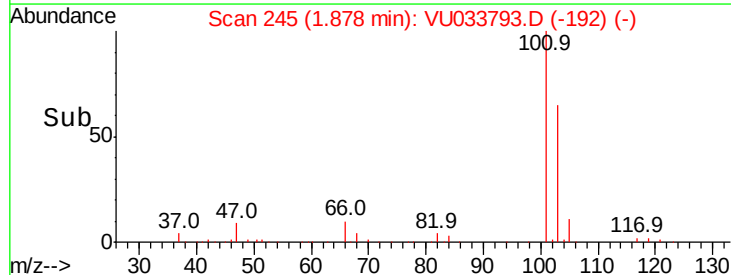
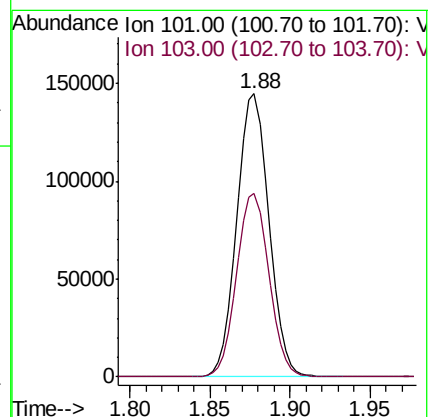
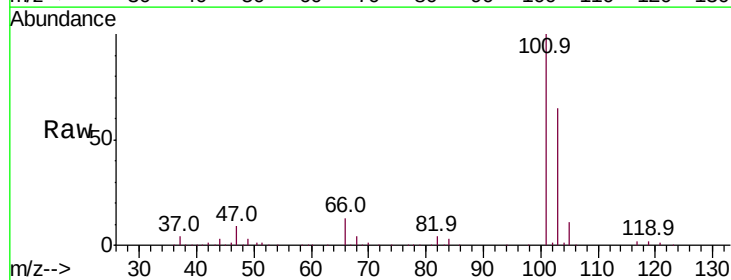
Acq: 14 Aug 2019 10:50

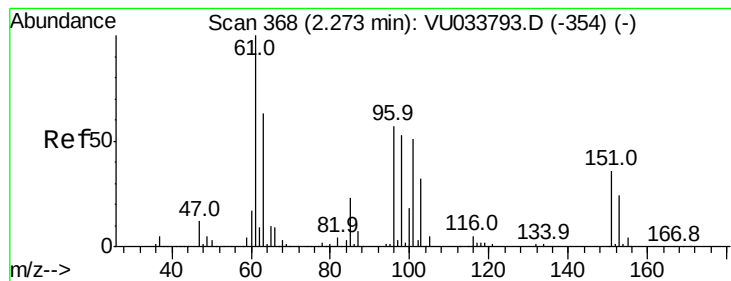
Tgt Ion: 101 Resp: 197171

Ion Ratio Lower Upper

101 100

103 65.4 52.3 78.5





#10

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

Concen: 4.918 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033793.D

Acq: 14 Aug 2019 10:50

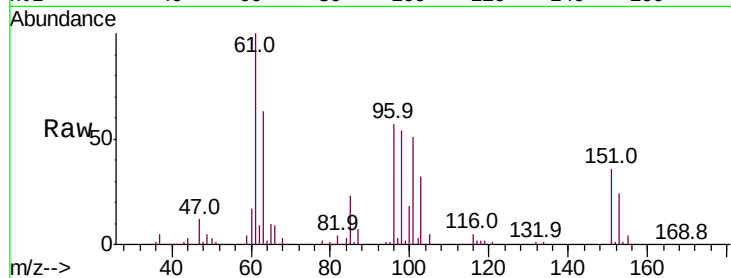
Tot Ion: 101 Resp: 108144

Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.2	54.2
151	73.4	58.7	88.1

101 100

85 45.2 36.2 54.2

151 73.4 58.7 88.1

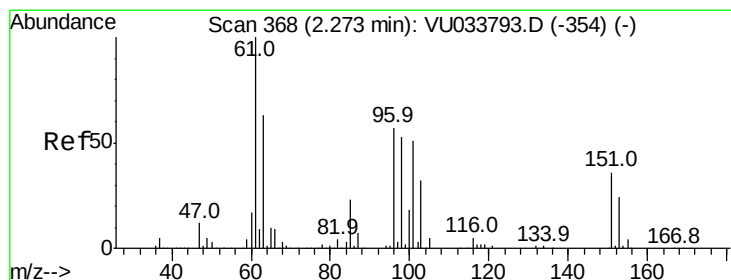
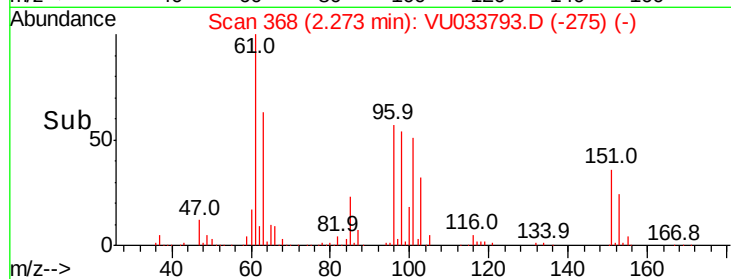
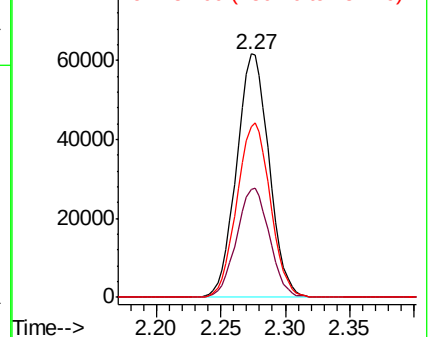


Abundance

Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.969 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033793.D

Acq: 14 Aug 2019 10:50

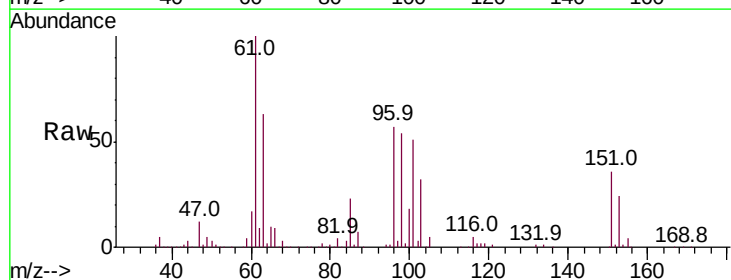
Tgt Ion: 96 Resp: 105584

Ion	Ratio	Lower	Upper
96	100		
61	176.9	123.8	230.0
63	111.5	78.0	144.9

96 100

61 176.9 123.8 230.0

63 111.5 78.0 144.9

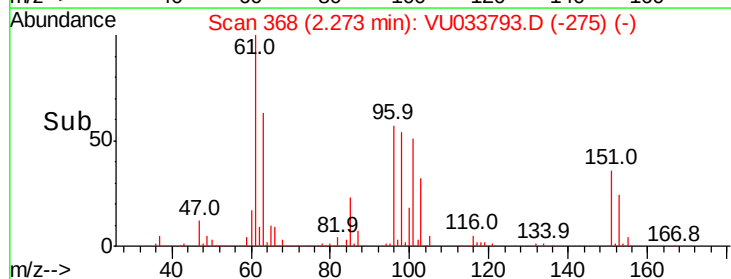
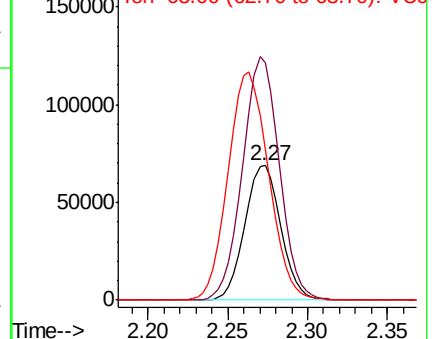


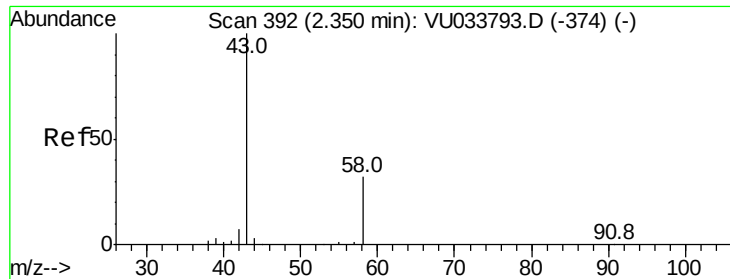
Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.170 ug/L

RT: 2.35 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU033793.D

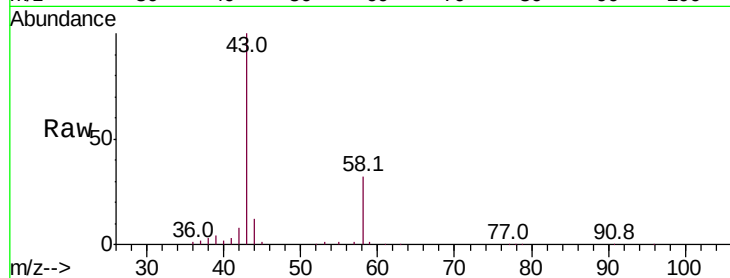
Acq: 14 Aug 2019 10:50

Tot Ion: 43 Resp: 210629

Ion Ratio Lower Upper

43 100

58 13.5 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) (-)

2.35

50000

40000

30000

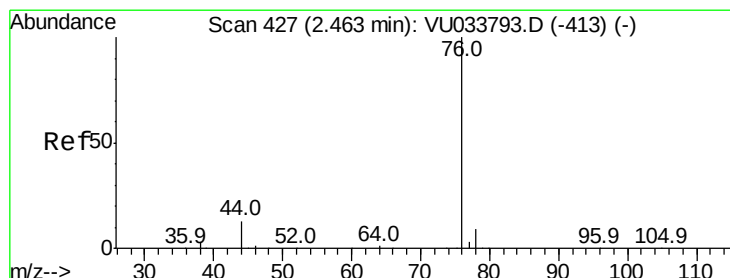
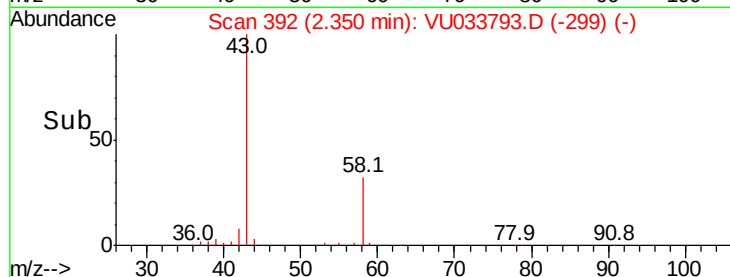
20000

10000

0

Time-->

2.20 2.30 2.40 2.50 2.60



#14

Carbon disulfide

Concen: 4.874 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033793.D

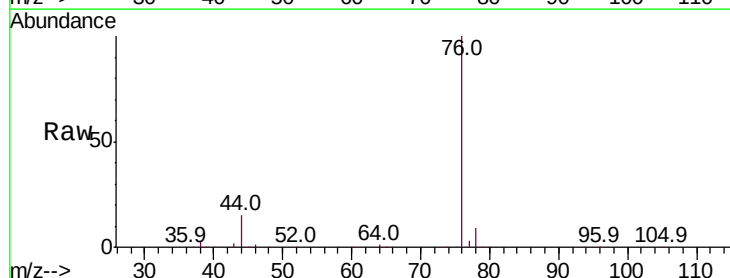
Acq: 14 Aug 2019 10:50

Tgt Ion: 76 Resp: 351722

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

250000

200000

150000

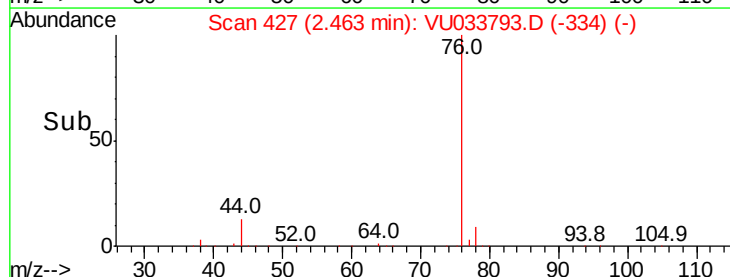
100000

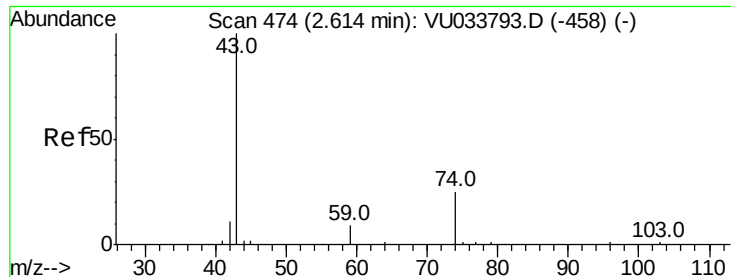
50000

0

Time-->

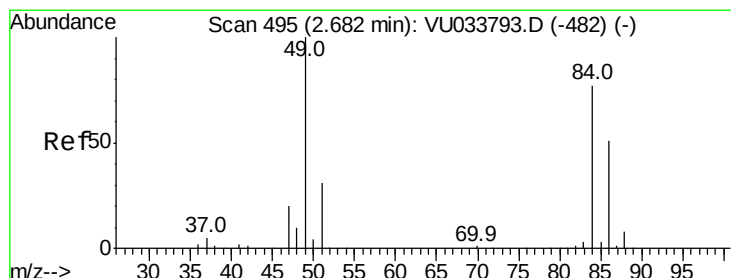
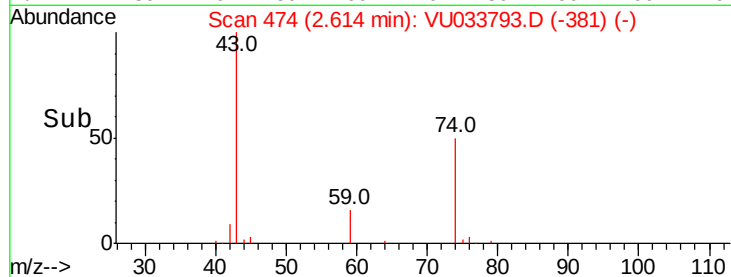
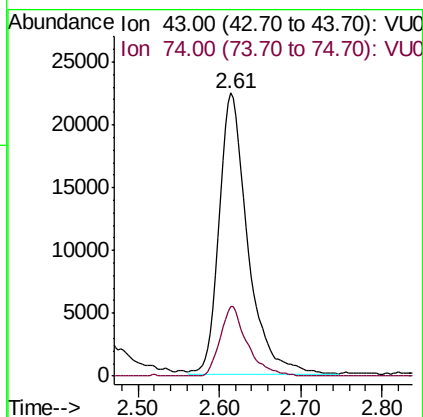
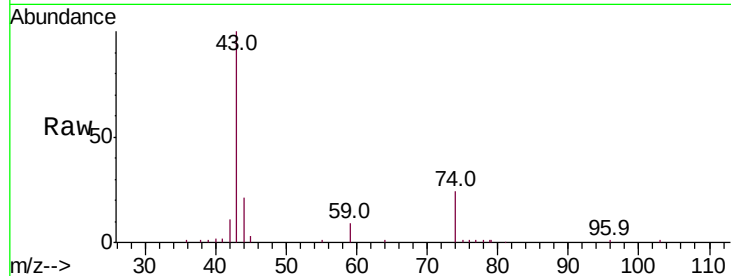
2.40 2.45 2.50 2.55





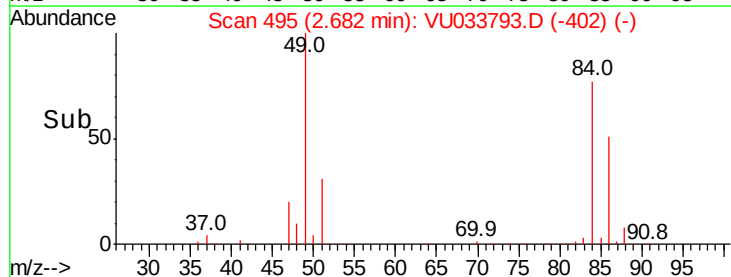
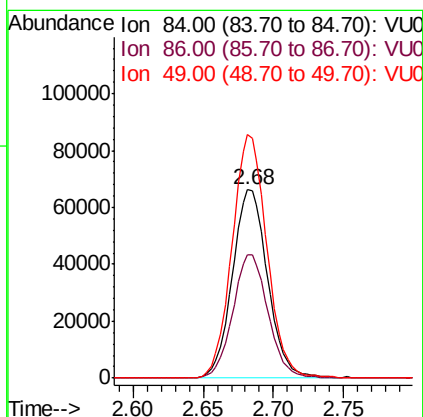
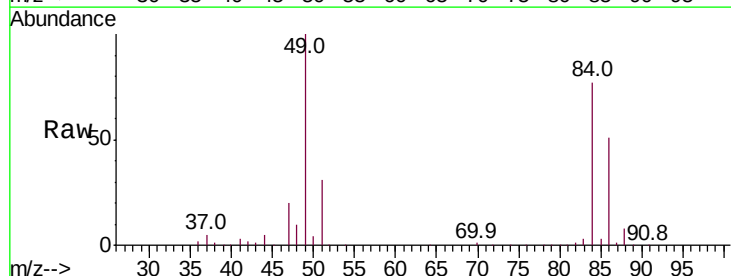
#15
Methvl Acetate
Concen: 4.948 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

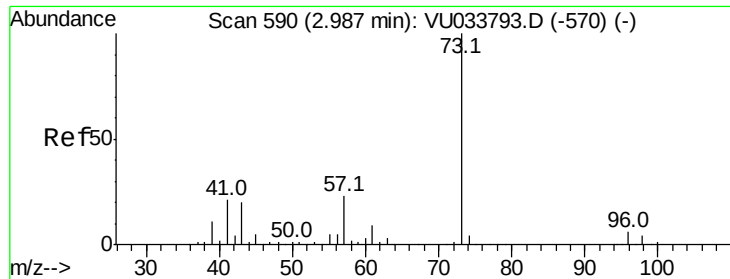
Tot Ion: 43 Resp: 55280
Ion Ratio Lower Upper
43 100
74 23.5 18.8 28.2



#16
Methylene chloride
Concen: 4.679 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

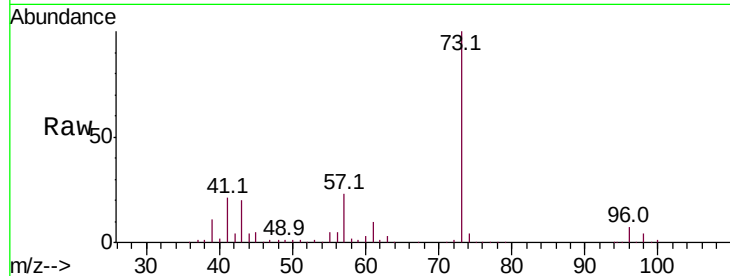
Tgt Ion: 84 Resp: 116063
Ion Ratio Lower Upper
84 100
86 65.7 46.0 85.4
49 129.2 90.4 168.0



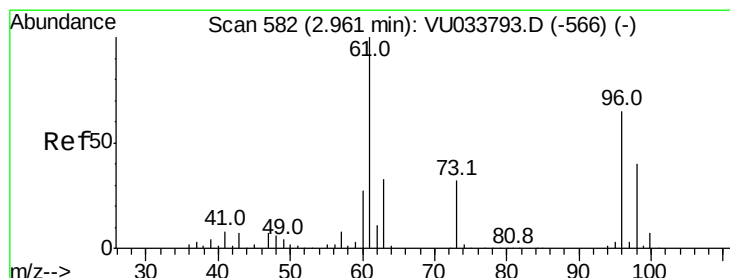
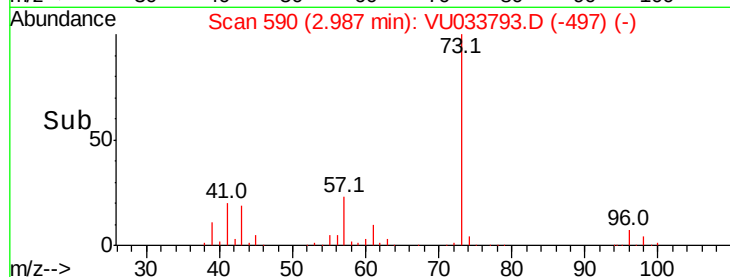
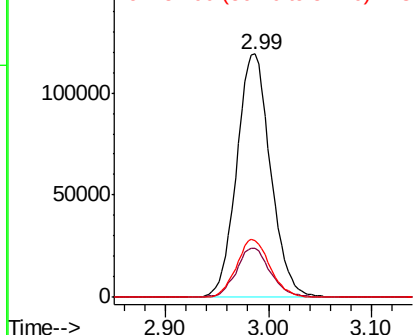


#17
Methyl tert-butyl Ether
Concen: 4.946 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.3	16.2	24.4
57	23.6	18.9	28.3

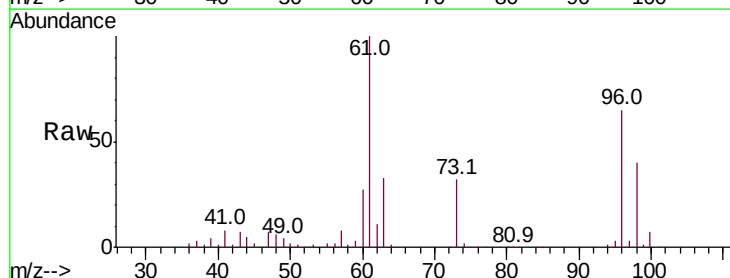


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

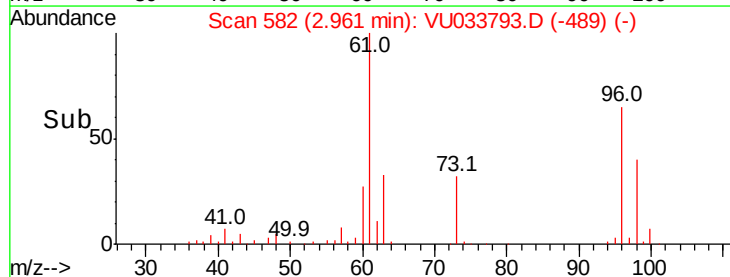
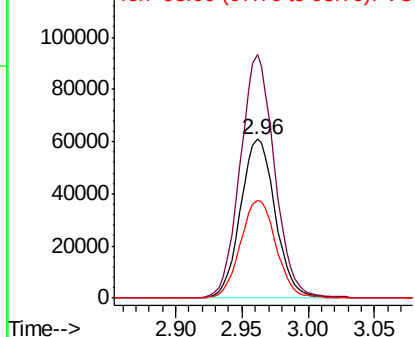


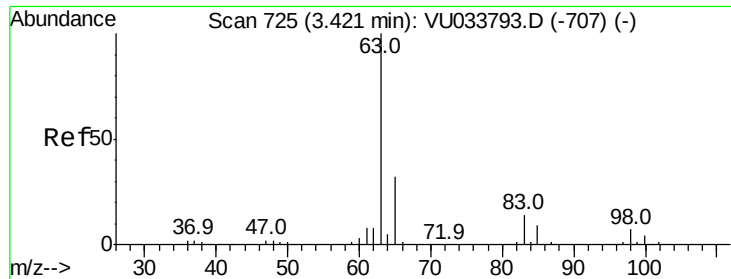
#18
trans-1,2-Dichloroethene
Concen: 4.895 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.1	107.2	199.0
98	61.4	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: 4.962 ug/L

RT: 3.42 min Scan# 725

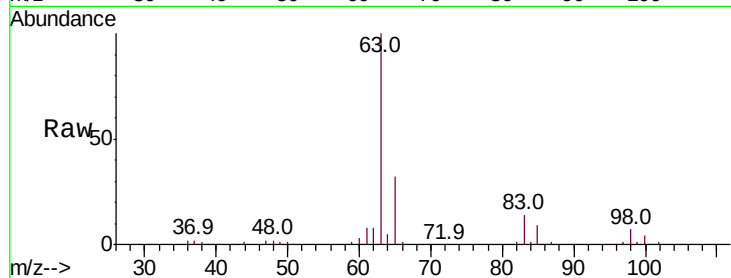
Delta R.T. 0.00 min

Lab File: VU033793.D

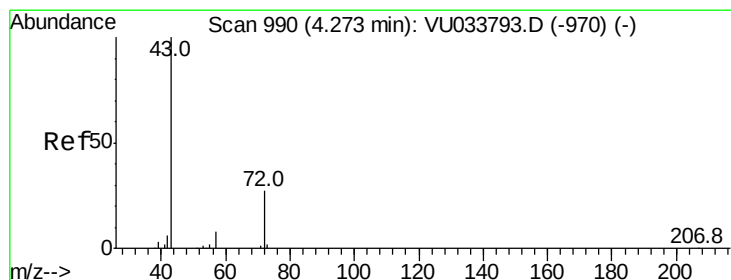
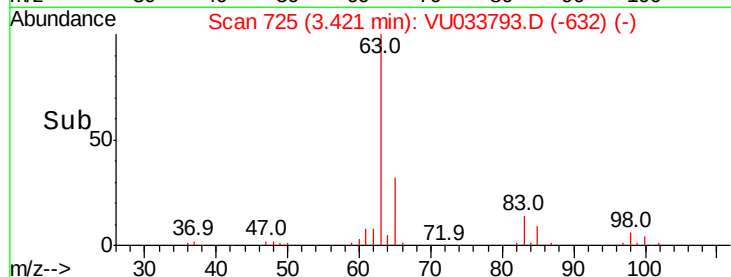
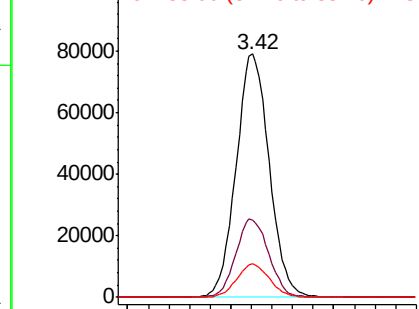
Acq: 14 Aug 2019 10:50

Tot Ion: 63 Resp: 177013

Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.4	41.6
83	13.8	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: 49.966 ug/L

RT: 4.27 min Scan# 990

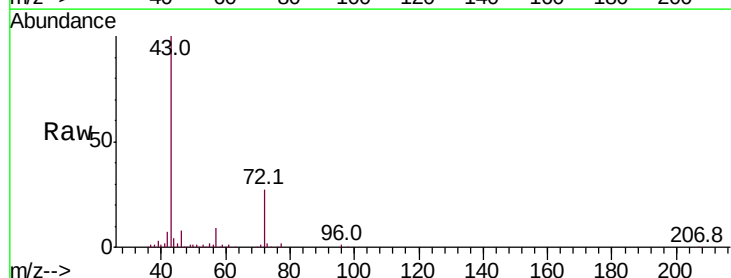
Delta R.T. 0.00 min

Lab File: VU033793.D

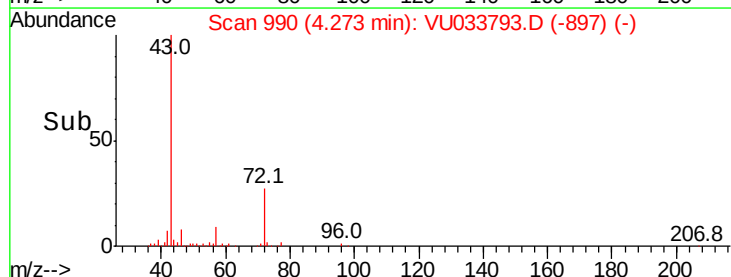
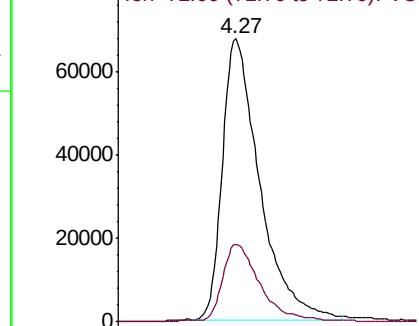
Acq: 14 Aug 2019 10:50

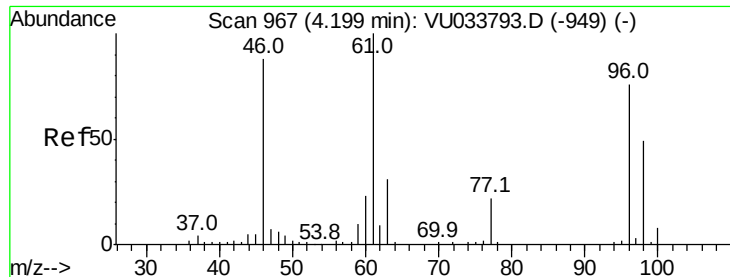
Tgt Ion: 43 Resp: 264110

Ion	Ratio	Lower	Upper
43	100		
72	26.1	13.1	39.1



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

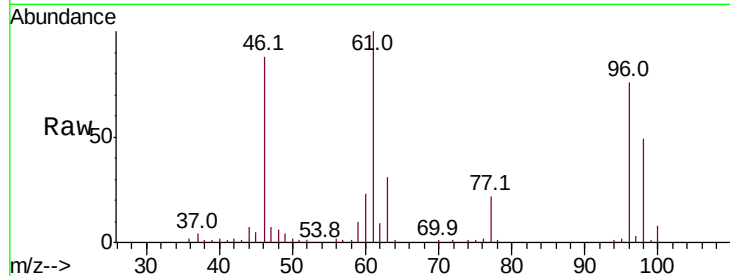




#22

cis-1,2-Dichloroethene
Concen: 4.917 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.0	91.7	170.3
98	64.5	45.1	83.9

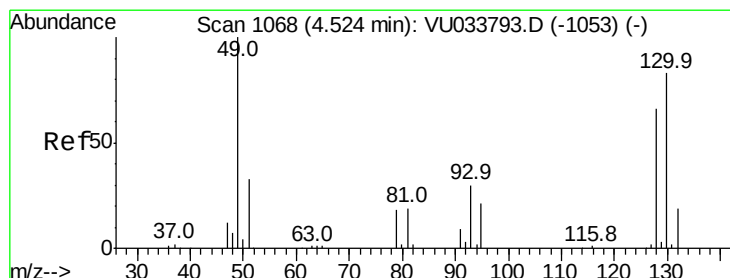
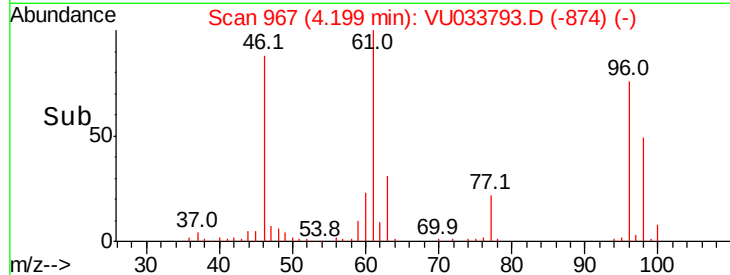
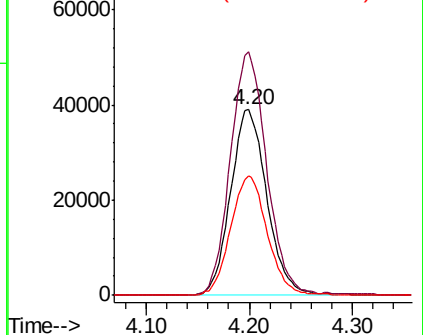


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

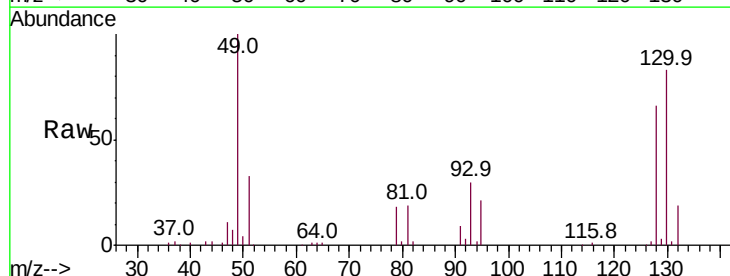
Ion 98.00 (97.70 to 98.70): VU0



#23

Bromochloromethane
Concen: 4.959 ug/L
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

Tgt Ion	Ratio	Lower	Upper
128	100		
49	152.6	106.8	198.4
130	126.2	88.3	164.1
51	50.4	40.3	60.5



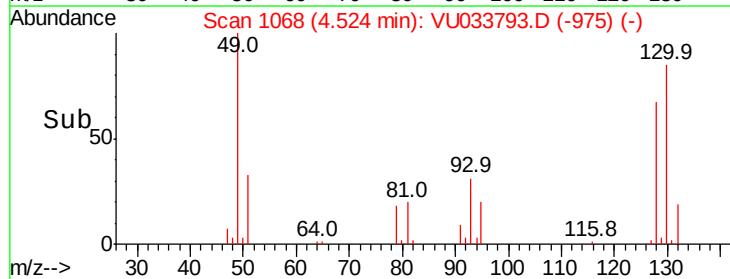
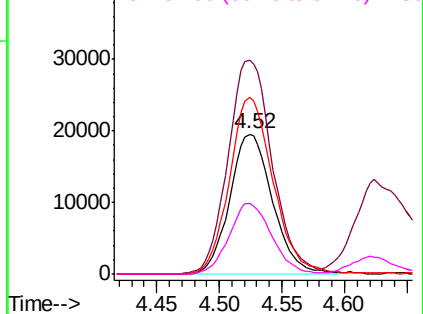
Abundance

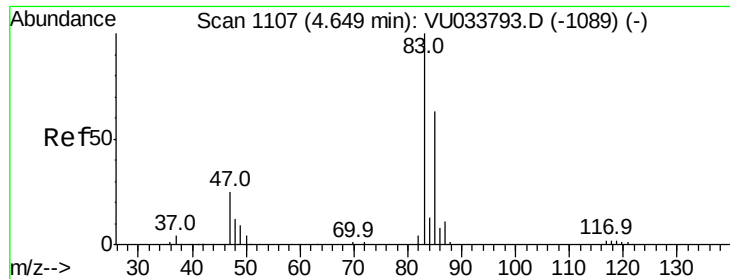
Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

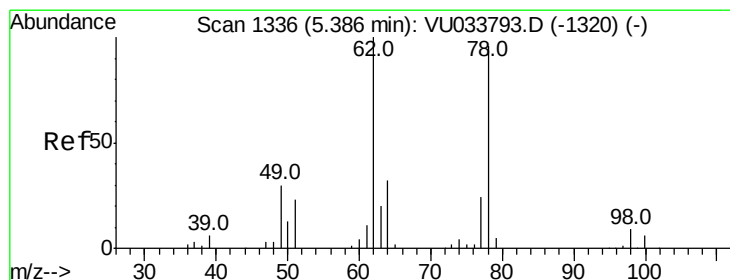
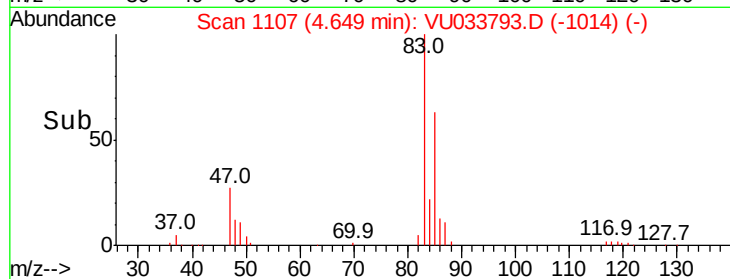
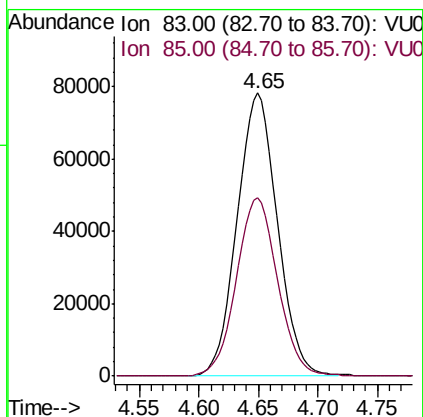
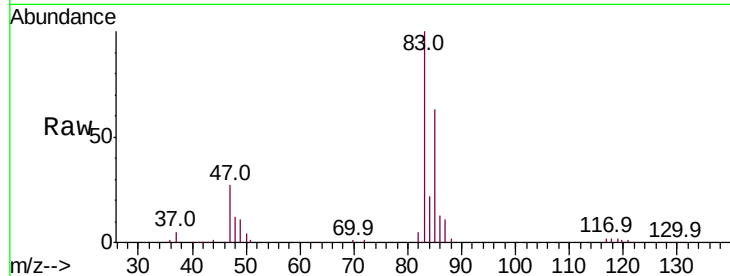
Ion 51.00 (50.70 to 51.70): VU0





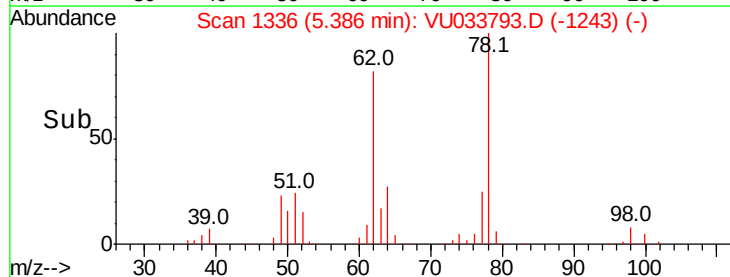
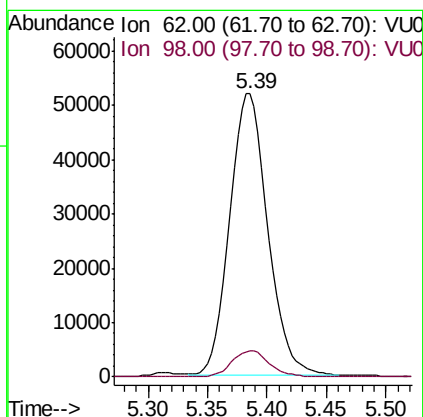
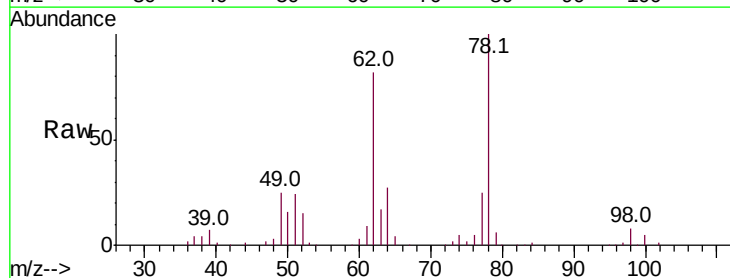
#25
Chloroform
Concen: 4.777 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

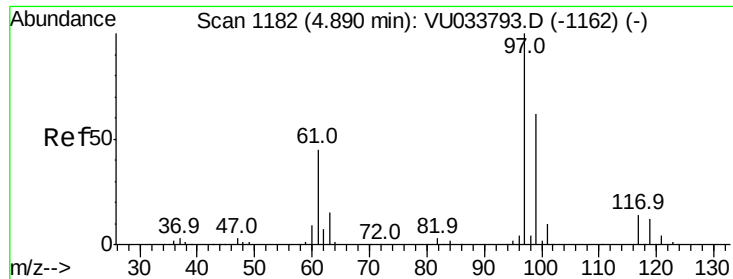
Tot Ion: 83 Resp: 183420
Ion Ratio Lower Upper
83 100
85 63.1 44.2 82.0



#27
1,2-Dichloroethane
Concen: 4.837 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

Tgt Ion: 62 Resp: 114418
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 4.992 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU033793.D

Acq: 14 Aug 2019 10:50

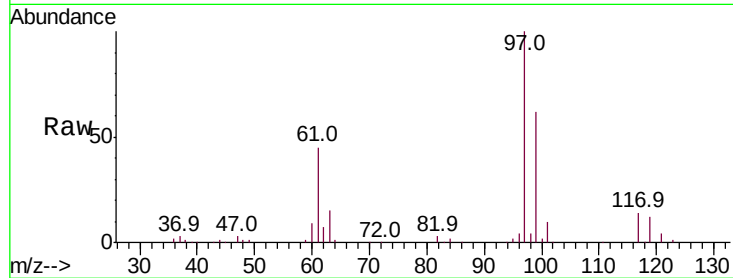
Tot Ion: 97 Resp: 153142

Ion Ratio Lower Upper

97 100

99 63.5 50.8 76.2

61 46.7 37.4 56.0

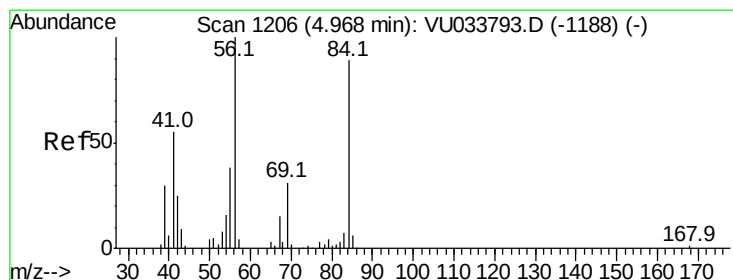
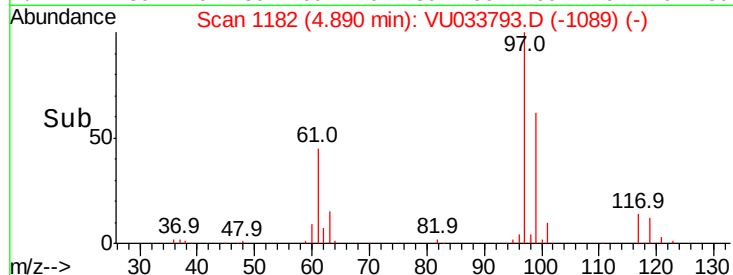
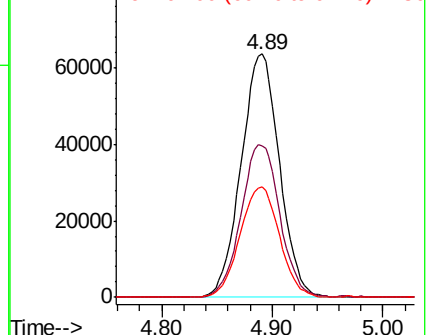


Abundance

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: 4.987 ug/L

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU033793.D

Acq: 14 Aug 2019 10:50

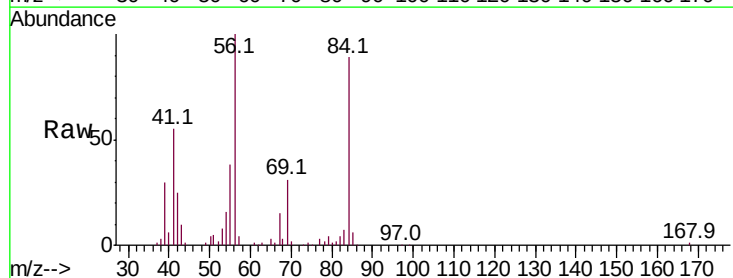
Tgt Ion: 56 Resp: 138462

Ion Ratio Lower Upper

56 100

69 31.5 25.2 37.8

84 87.2 69.8 104.6

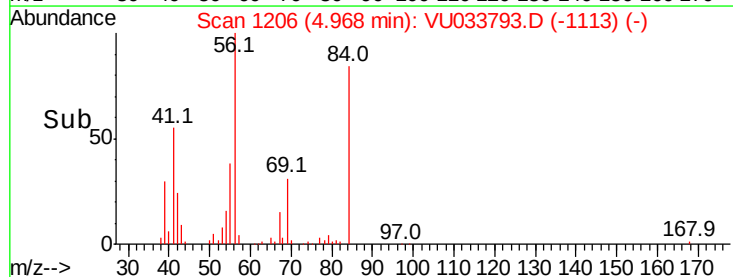
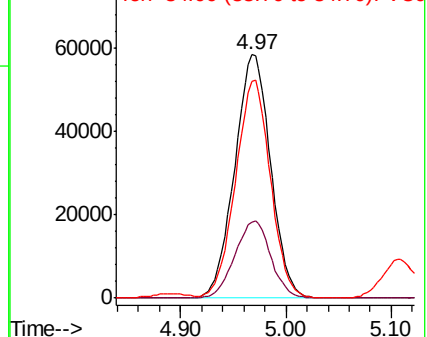


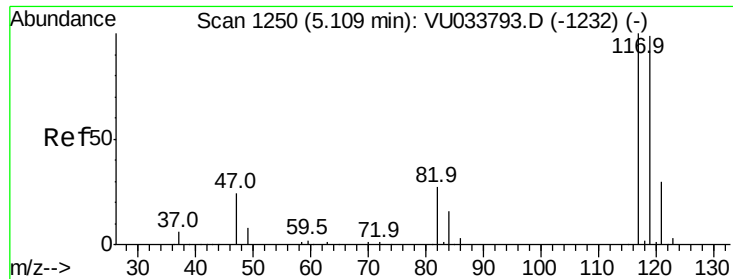
Abundance

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: 5.005 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033793.D

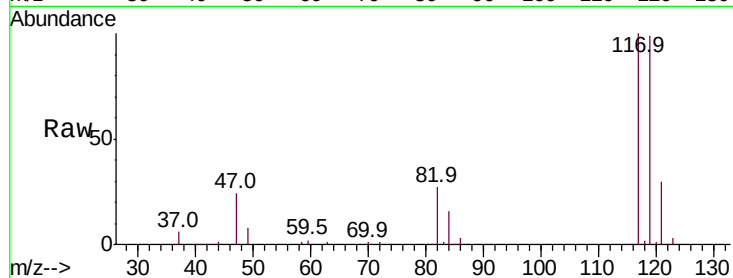
Acq: 14 Aug 2019 10:50

Tot Ion:117 Resp: 136600

Ion Ratio Lower Upper

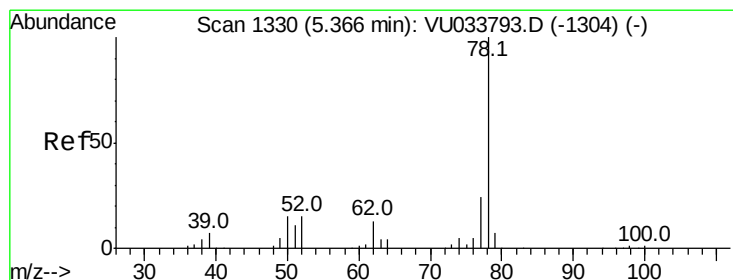
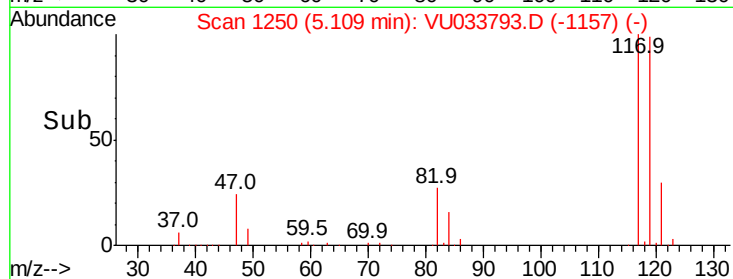
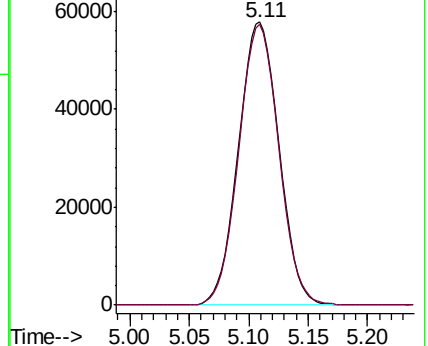
117 100

119 98.1 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: 5.091 ug/L

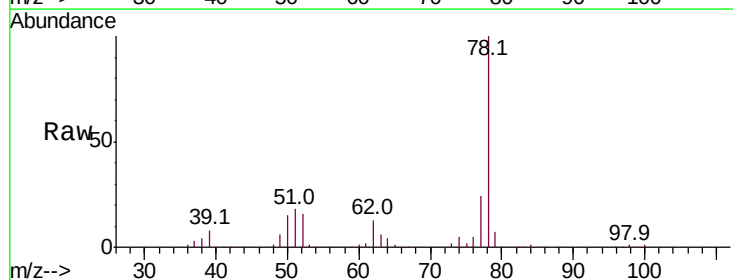
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

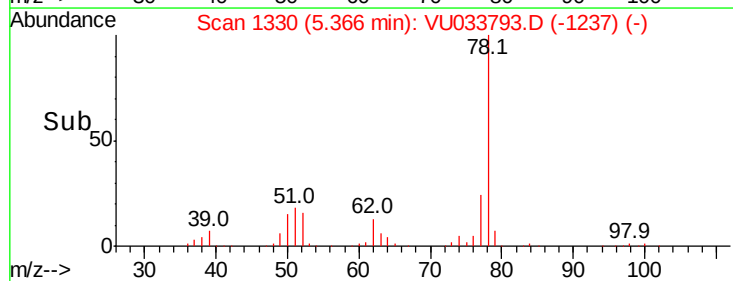
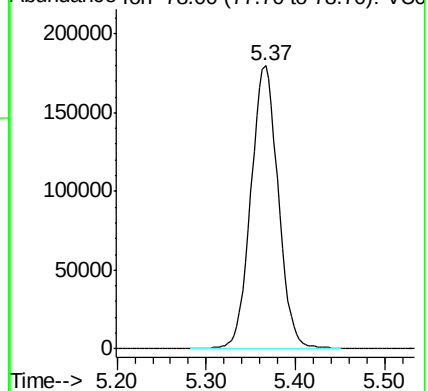
Lab File: VU033793.D

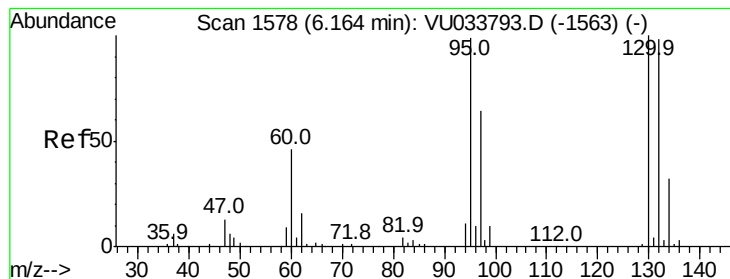
Acq: 14 Aug 2019 10:50

Tgt Ion: 78 Resp: 383844



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 4.944 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033793.D

Acq: 14 Aug 2019 10:50

Tot Ion: 95 Resp: 97762

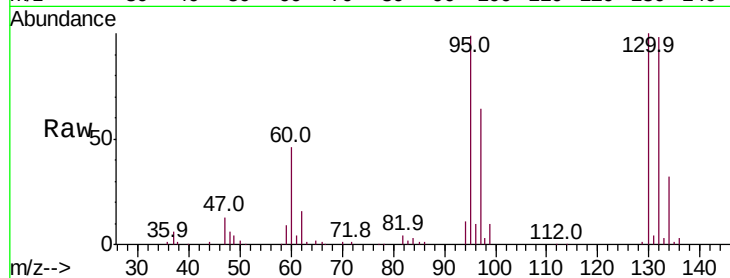
Ion Ratio Lower Upper

95 100

97 64.9 45.4 84.4

132 98.4 68.9 127.9

130 100.7 70.5 130.9

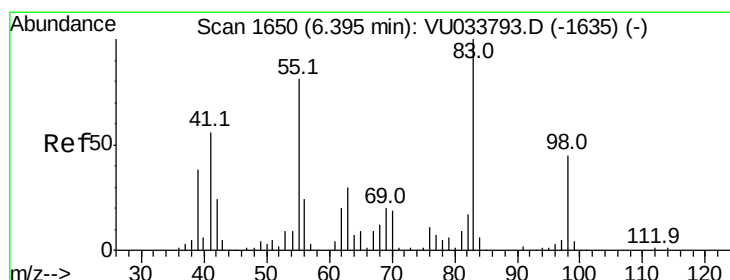
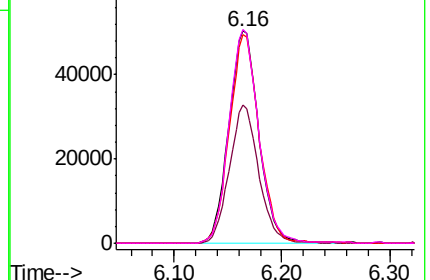
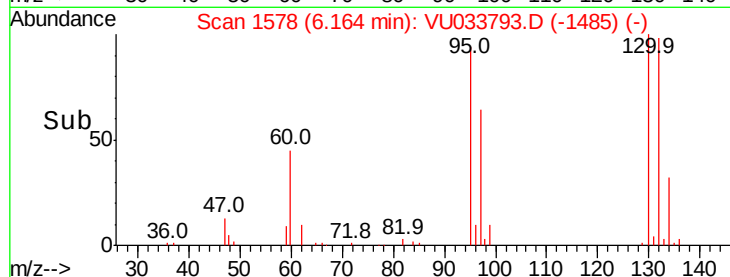


Abundance Ion 95.00 (94.70 to 95.70): VU033793.D (-1563) (-)

Ion 97.00 (96.70 to 97.70): VU033793.D (-1563) (-)

Ion 132.00 (131.70 to 132.70): VU033793.D (-1563) (-)

Ion 130.00 (129.70 to 130.70): VU033793.D (-1563) (-)



#35

Methylcyclohexane

Concen: 5.027 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033793.D

Acq: 14 Aug 2019 10:50

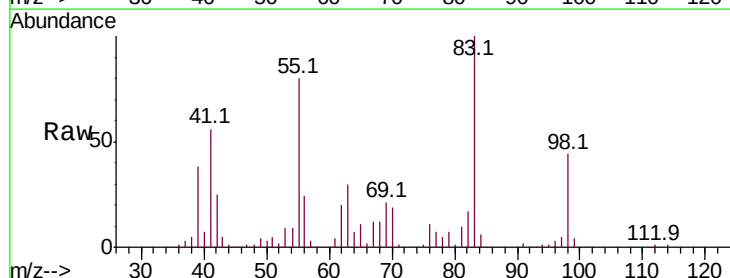
Tgt Ion: 83 Resp: 149036

Ion Ratio Lower Upper

83 100

55 81.3 65.0 97.6

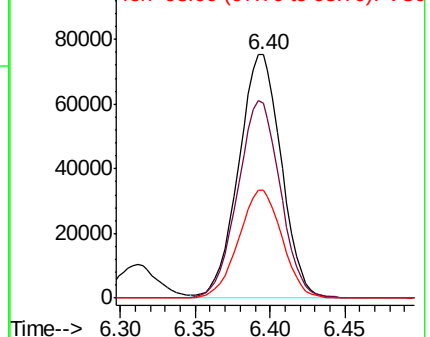
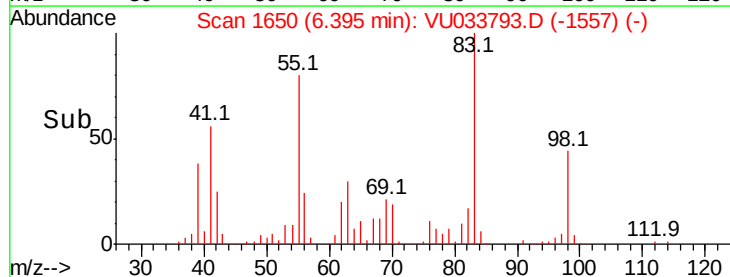
98 45.3 36.2 54.4

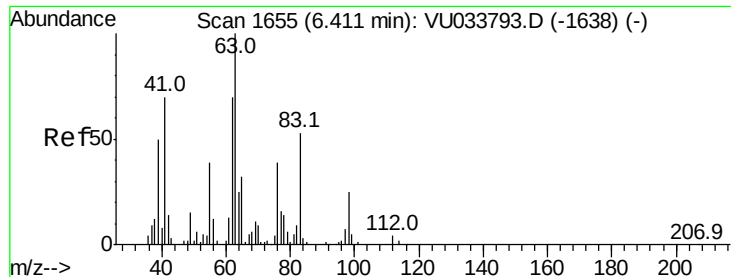


Abundance Ion 83.00 (82.70 to 83.70): VU033793.D (-1635) (-)

Ion 55.00 (54.70 to 55.70): VU033793.D (-1635) (-)

Ion 98.00 (97.70 to 98.70): VU033793.D (-1635) (-)





#37

1,2-Dichloropropane

Concen: 5.104 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033793.D

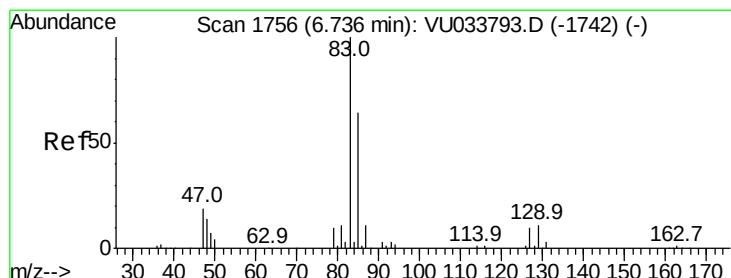
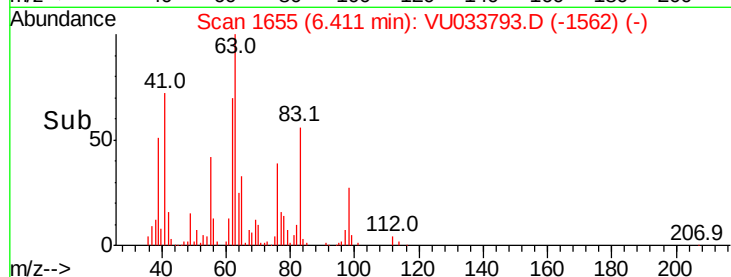
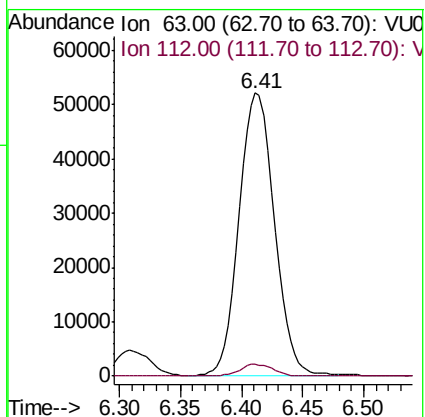
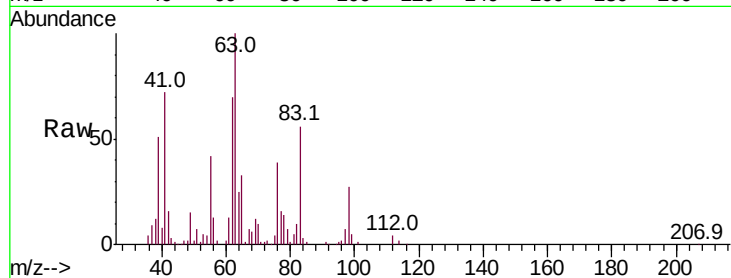
Acq: 14 Aug 2019 10:50

Tot Ion: 63 Resp: 103984

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 4.903 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033793.D

Acq: 14 Aug 2019 10:50

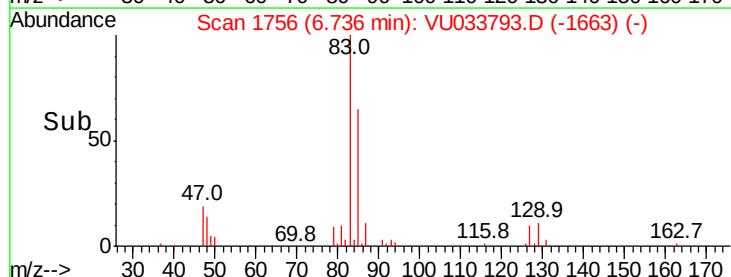
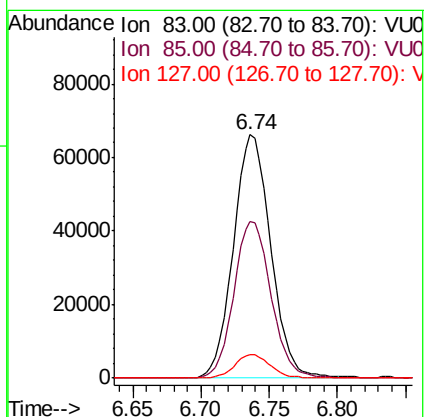
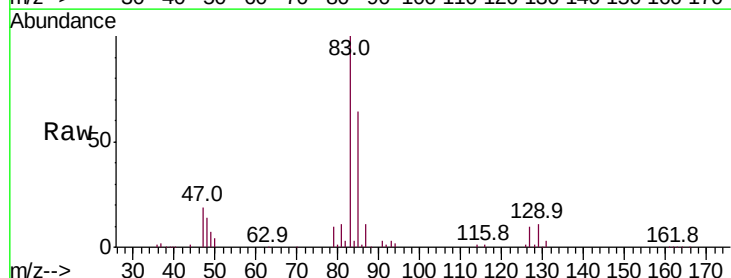
Tgt Ion: 83 Resp: 125965

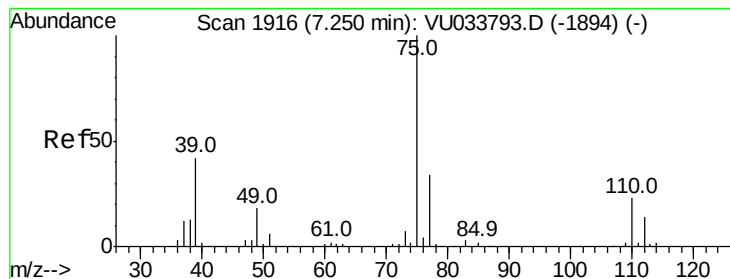
Ion Ratio Lower Upper

83 100

85 64.3 45.0 83.6

127 9.7 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 5.075 ug/L

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU033793.D

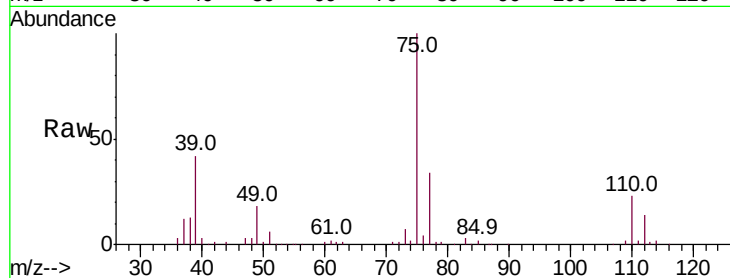
Acq: 14 Aug 2019 10:50

Tot Ion: 75 Resp: 139538

Ion Ratio Lower Upper

75 100

77 33.7 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VU033793.D (-1894) (-)

Ion 77.00 (76.70 to 77.70): VU033793.D (-1894) (-)

7.25

80000

60000

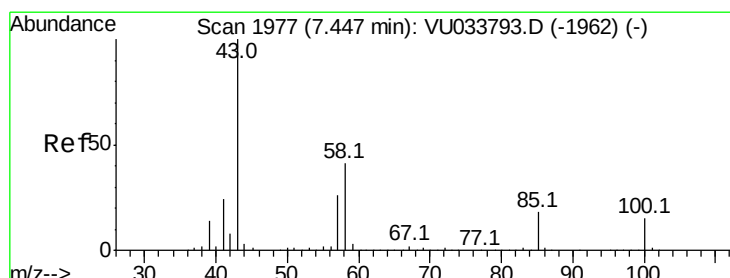
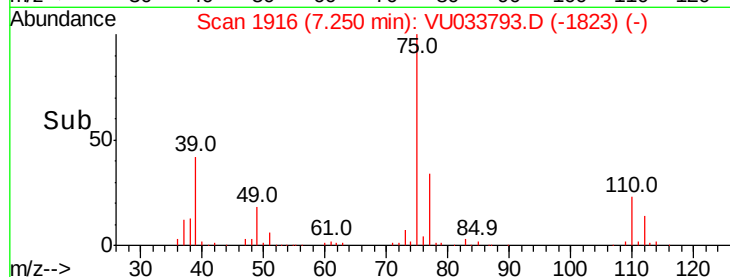
40000

20000

0

7.10 7.20 7.30 7.40

Time-->



#40

4-Methyl-2-pentanone

Concen: 53.074 ug/L

RT: 7.45 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VU033793.D

Acq: 14 Aug 2019 10:50

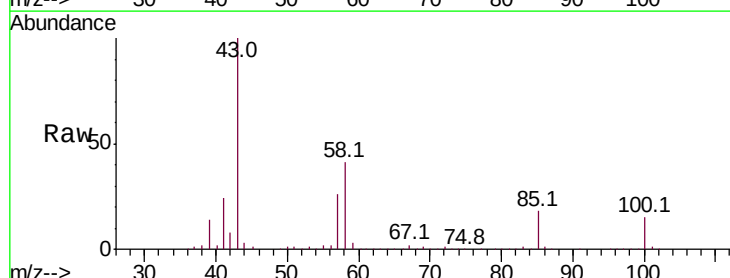
Tgt Ion: 43 Resp: 624851

Ion Ratio Lower Upper

43 100

58 40.3 32.2 48.4

100 14.9 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VU033793.D (-1962) (-)

Ion 58.00 (57.70 to 58.70): VU033793.D (-1962) (-)

Ion 100.00 (99.70 to 100.70): VU033793.D (-1962) (-)

7.45

400000

300000

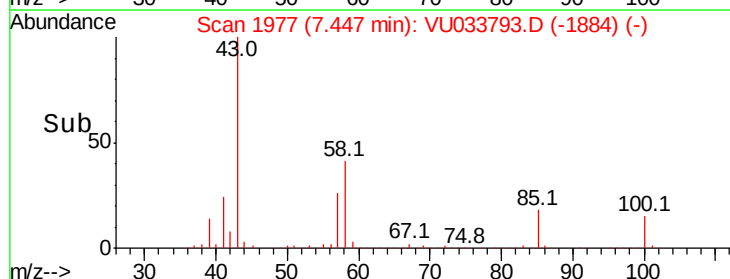
200000

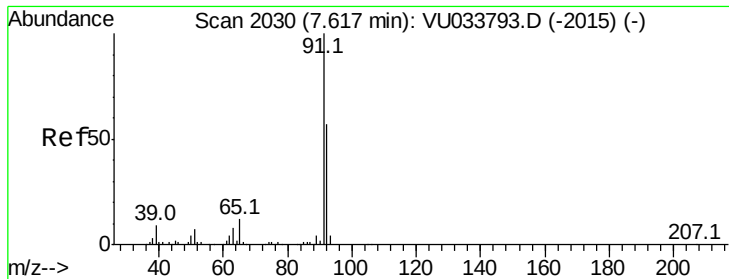
100000

0

7.40 7.50

Time-->





#42

Toluene

Concen: 5.213 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033793.D

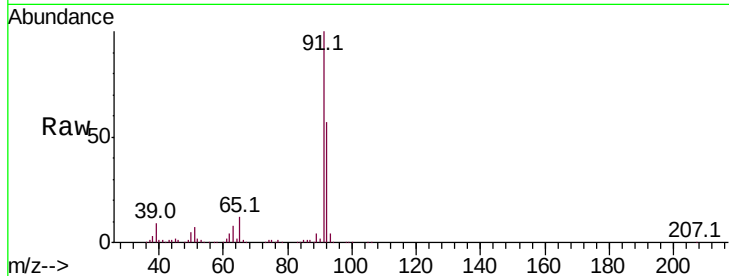
Acq: 14 Aug 2019 10:50

Tot Ion: 91 Resp: 412976

Ion Ratio Lower Upper

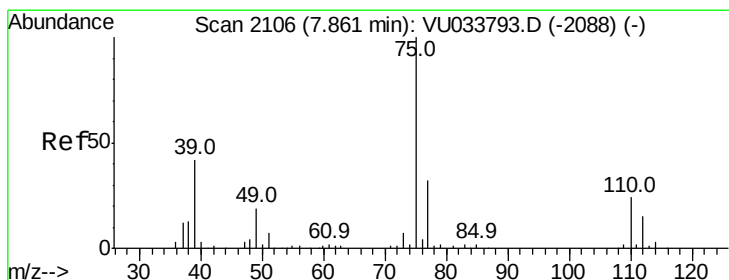
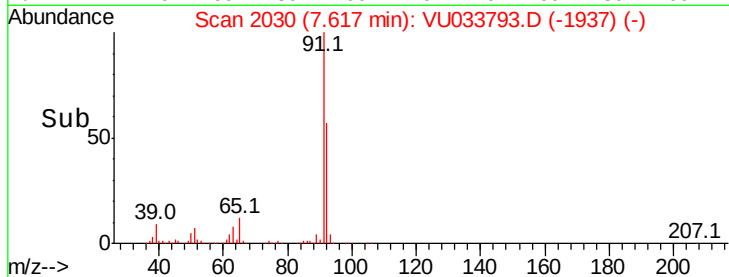
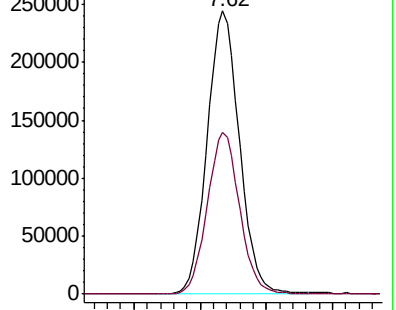
91 100

92 57.2 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU033793.D (-2015) (-)

Ion 92.00 (91.70 to 92.70): VU033793.D (-2015) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.137 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033793.D

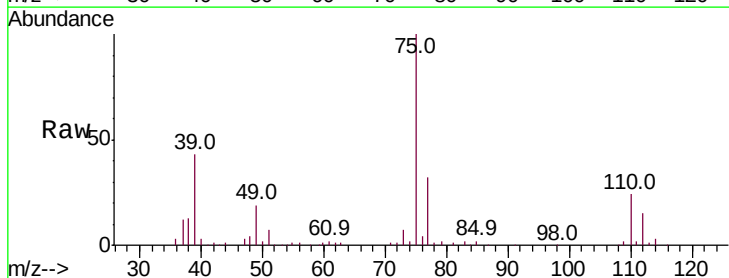
Acq: 14 Aug 2019 10:50

Tgt Ion: 75 Resp: 118076

Ion Ratio Lower Upper

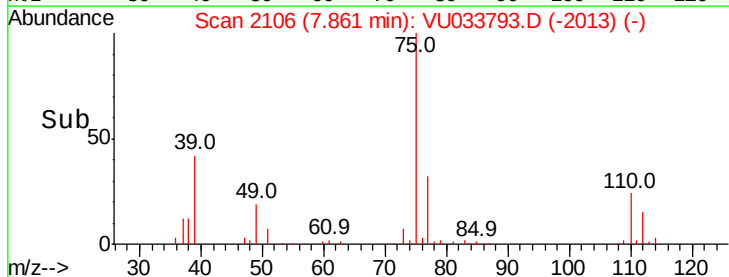
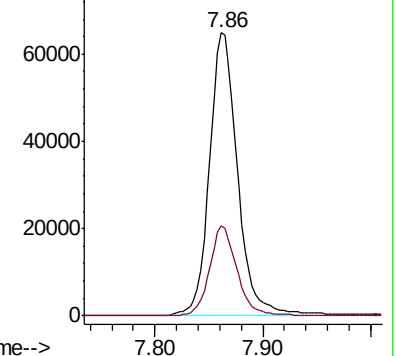
75 100

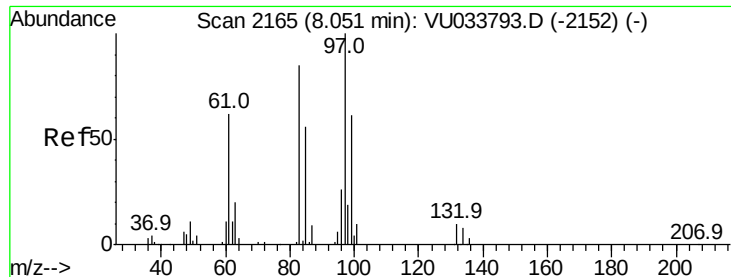
77 31.8 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU033793.D (-2088) (-)

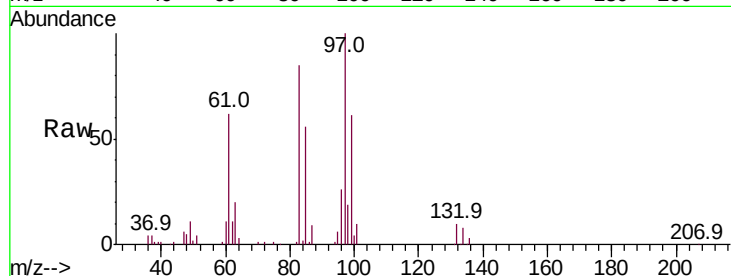
Ion 77.00 (76.70 to 77.70): VU033793.D (-2088) (-)





#45
1,1,2-Trichloroethane
Concen: 4.999 ug/L
RT: 8.05 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

Tot Ion:	97	Resp:	72770
Ion	Ratio	Lower	Upper
97	100		
99	60.8	42.6	79.0
83	85.5	59.8	111.1
85	56.1	39.3	72.9

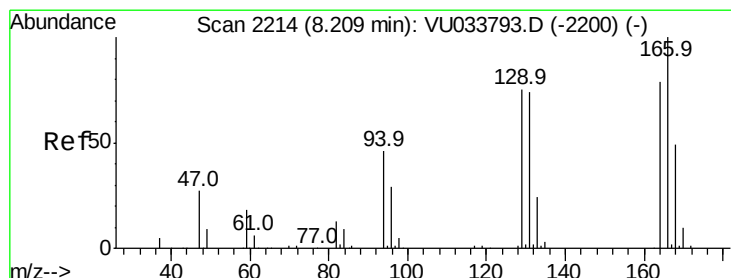
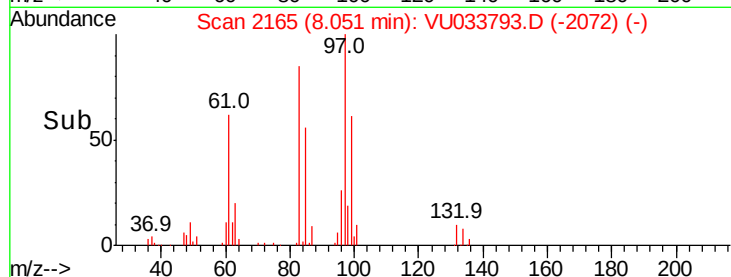
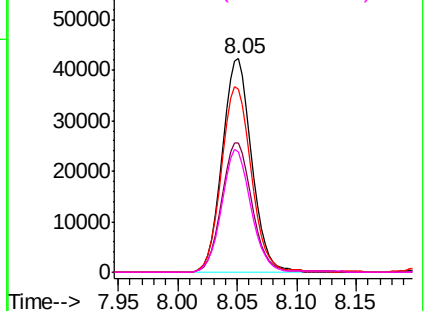


Abundance Ion 97.00 (96.70 to 97.70): VU033793.D (-2152) (-)

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

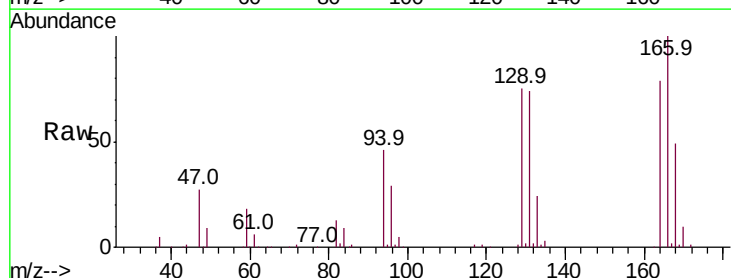
Ion 83.00 (82.70 to 83.70): VU033793.D (-2152) (-)

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



#47
Tetrachloroethene
Concen: 4.948 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

Tgt Ion:	164	Resp:	81559
Ion	Ratio	Lower	Upper
164	100		
129	94.4	66.1	122.7
131	93.2	65.2	121.2
166	126.5	88.5	164.4

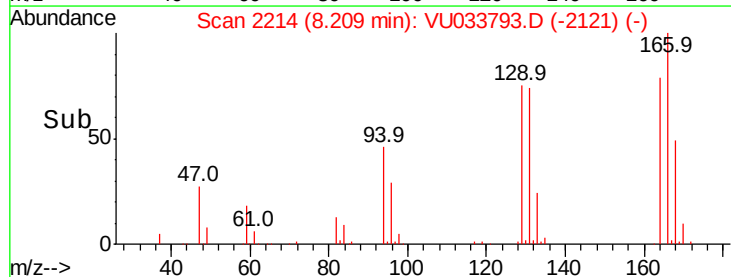
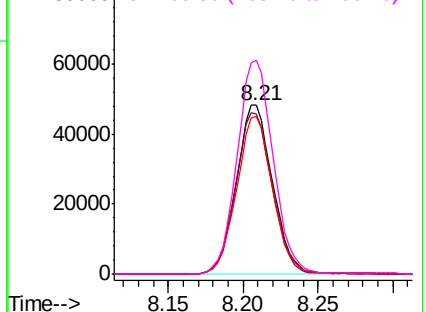


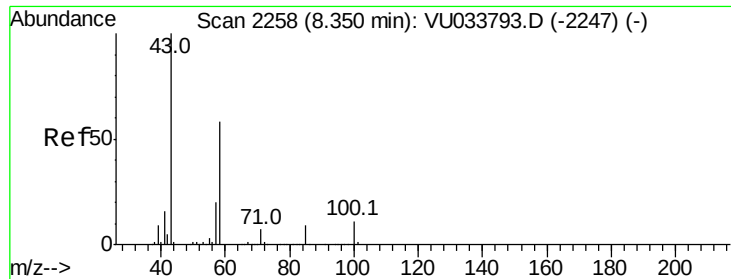
Abundance Ion 164.00 (163.70 to 164.70): VU033793.D (-2200) (-)

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

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

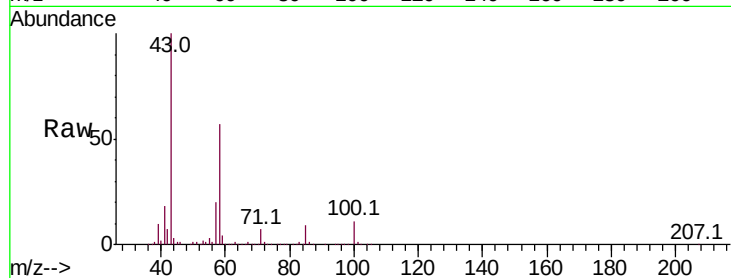
Ion 166.00 (165.70 to 166.70): VU033793.D (-2200) (-)



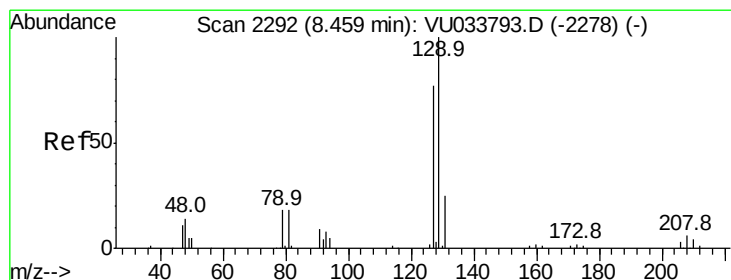
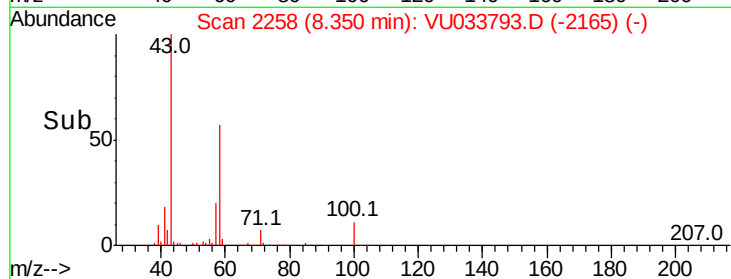
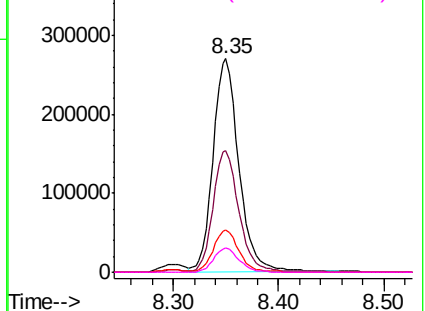


#48
2-Hexanone
Concen: 53.857 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

Tot Ion: 43 Resp: 458560
Ion Ratio Lower Upper
43 100
58 56.5 45.2 67.8
57 19.6 15.7 23.5
100 10.8 8.6 13.0

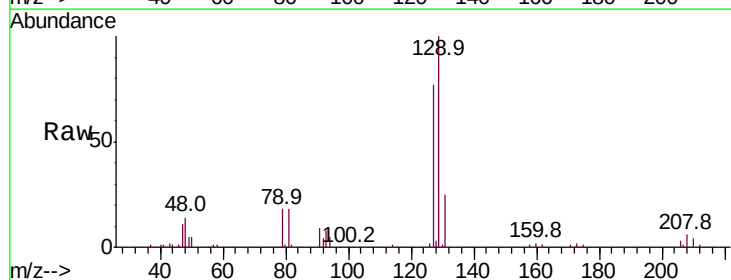


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

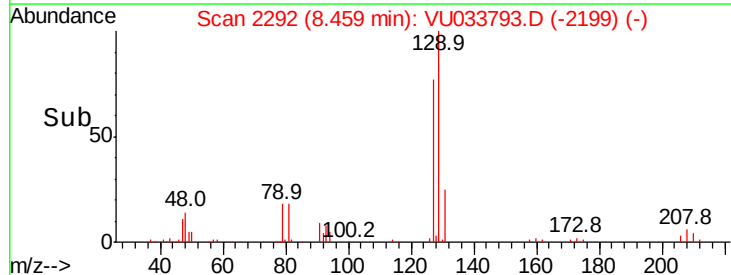
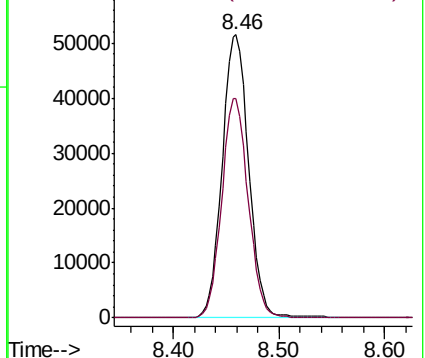


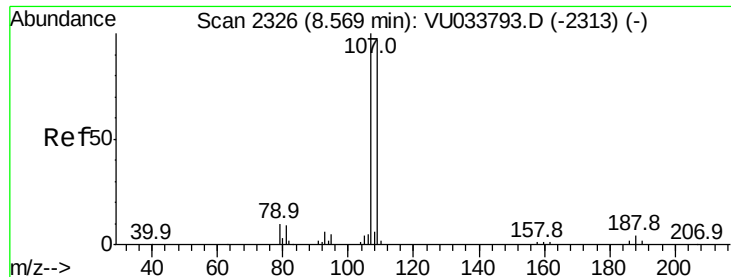
#49
Dibromochloromethane
Concen: 5.086 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

Tgt Ion: 129 Resp: 89781
Ion Ratio Lower Upper
129 100
127 77.4 54.2 100.6



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





#50

1,2-Dibromoethane

Concen: 5.010 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU033793.D

Acq: 14 Aug 2019 10:50

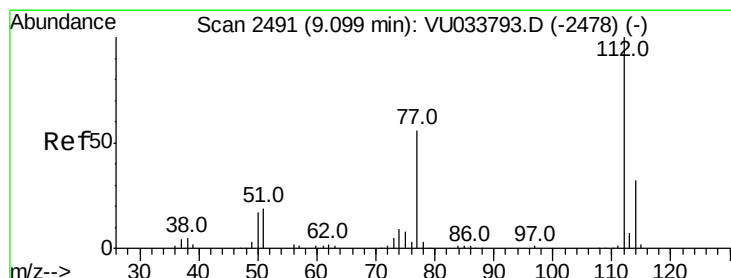
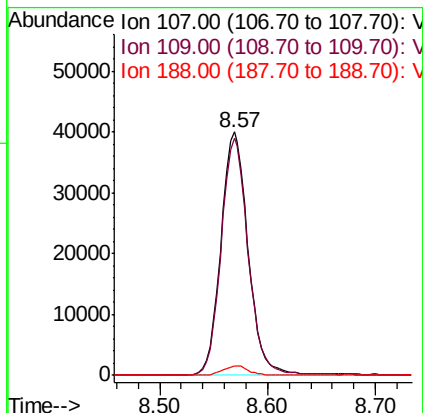
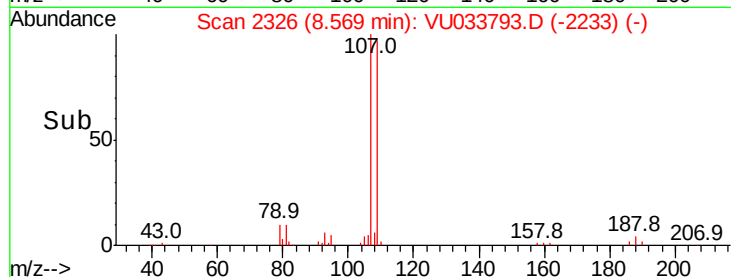
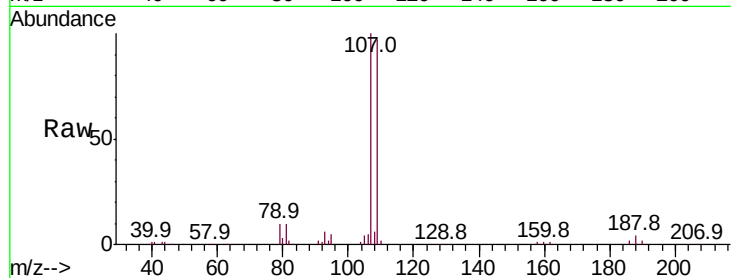
Tot Ion:107 Resp: 70518

Ion Ratio Lower Upper

107 100

109 97.5 68.3 126.8

188 3.8 3.0 4.6



#51

Chlorobenzene

Concen: 5.025 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU033793.D

Acq: 14 Aug 2019 10:50

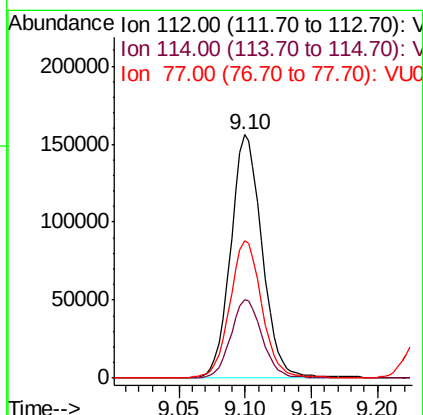
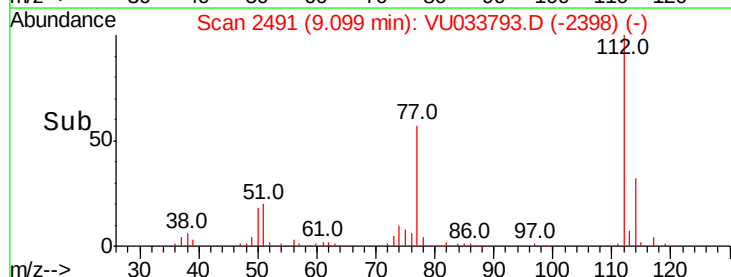
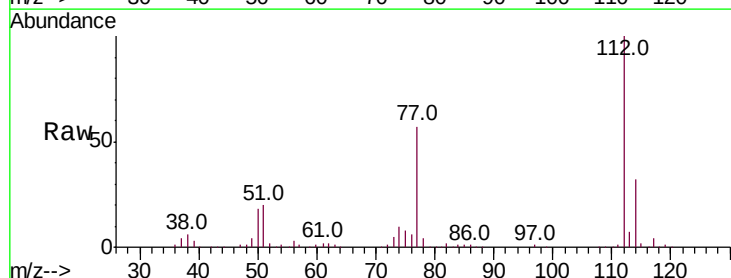
Tgt Ion:112 Resp: 256316

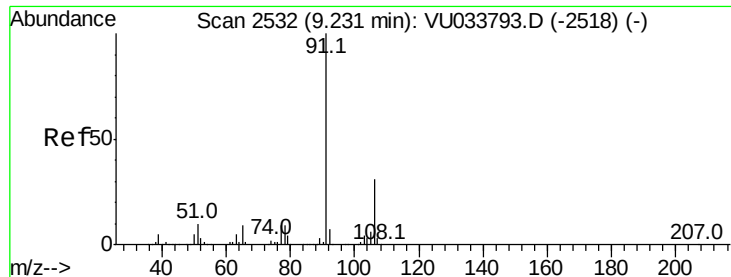
Ion Ratio Lower Upper

112 100

114 32.1 22.5 41.7

77 56.6 45.3 67.9





#52

Ethylbenzene

Concen: 5.182 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033793.D

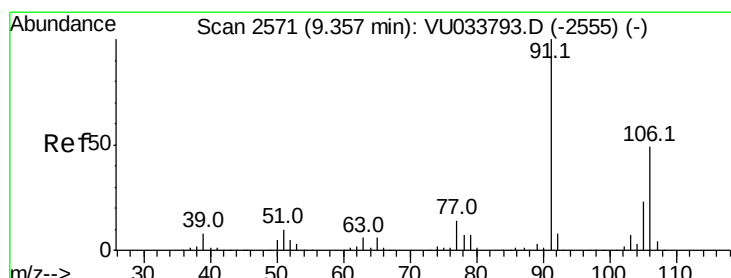
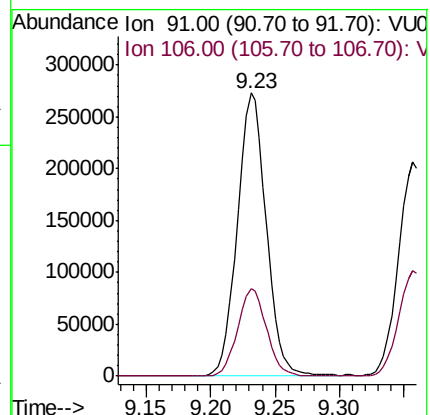
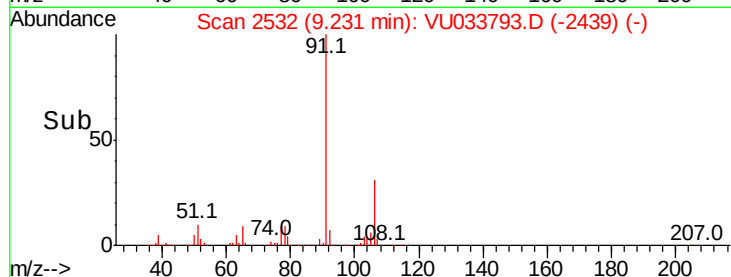
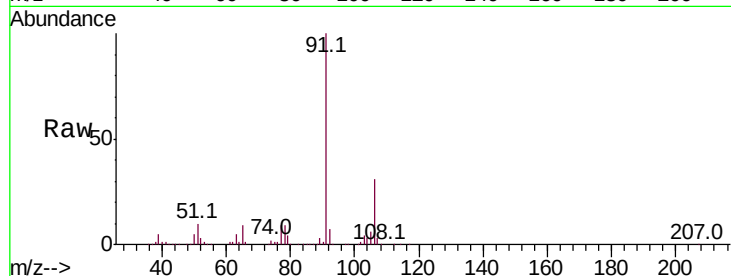
Acq: 14 Aug 2019 10:50

Tot Ion: 91 Resp: 424923

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



#53

m,p-Xylene

Concen: 5.345 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033793.D

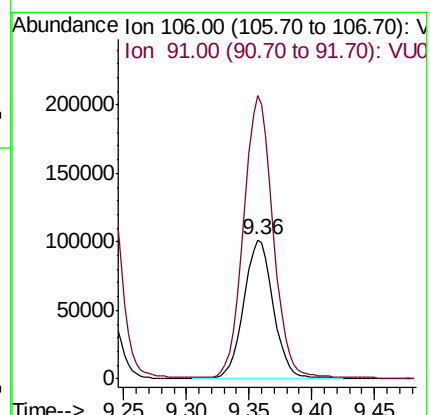
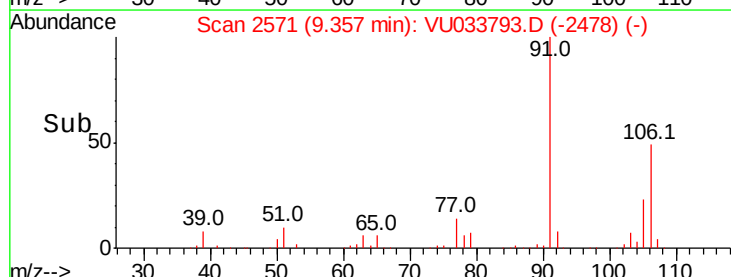
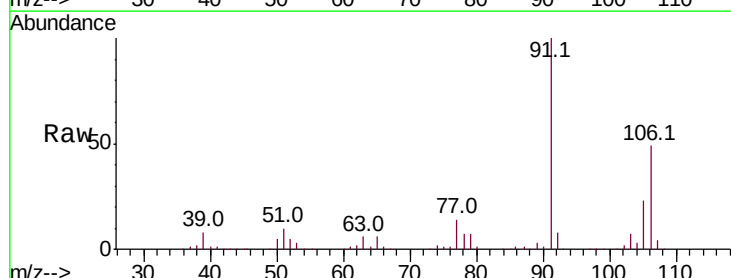
Acq: 14 Aug 2019 10:50

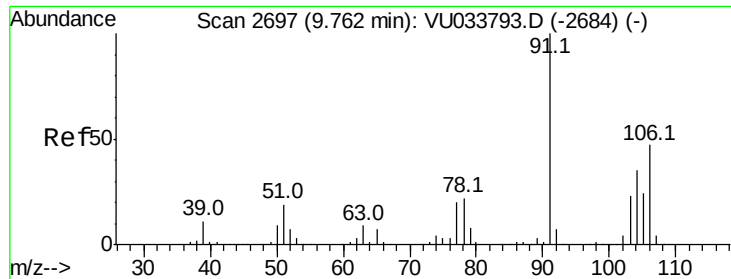
Tgt Ion: 106 Resp: 165260

Ion Ratio Lower Upper

106 100

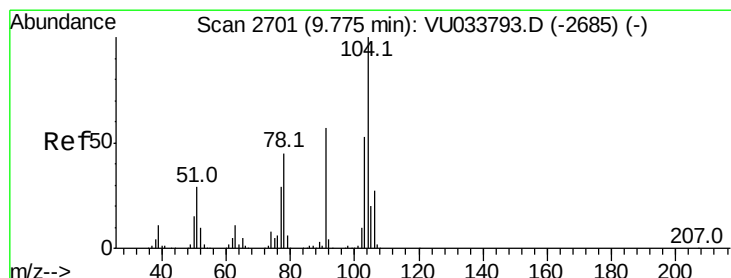
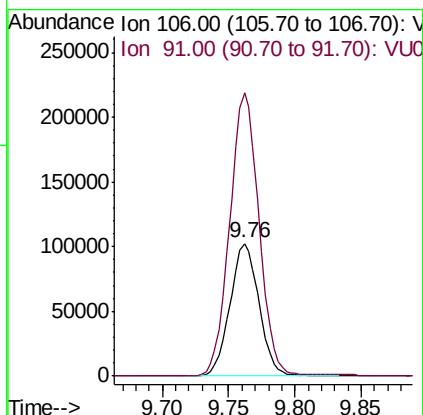
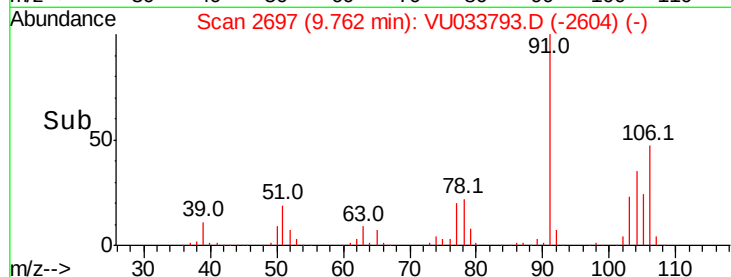
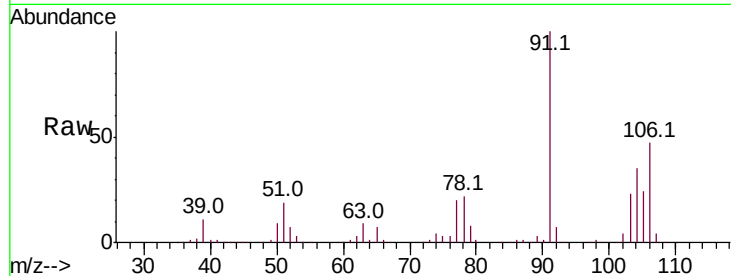
91 203.9 142.7 265.1





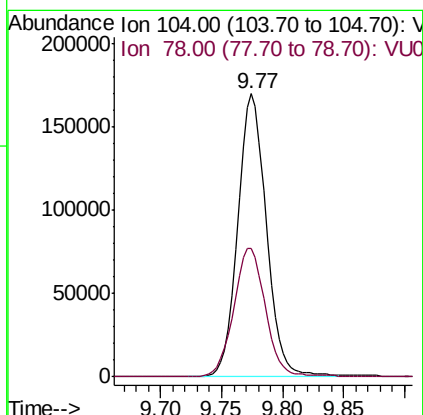
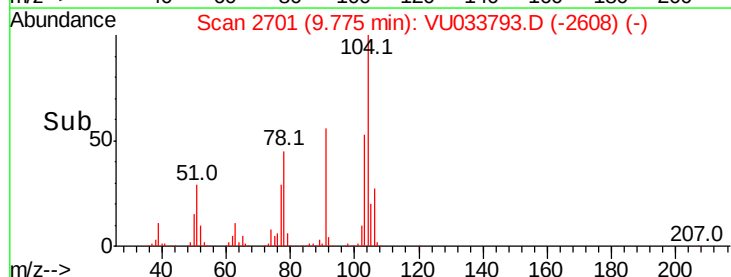
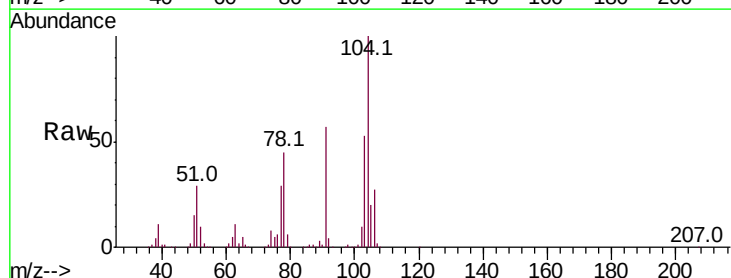
#54
o-Xylene
Concen: 5.338 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

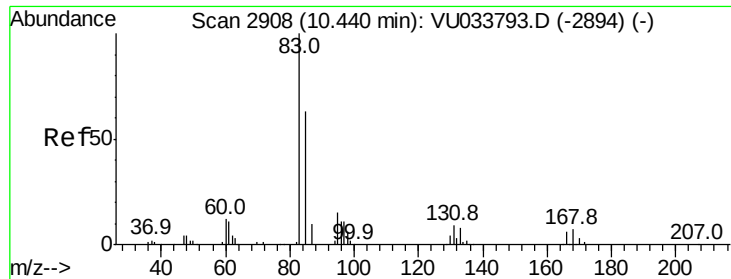
Tot Ion:106 Resp: 156689
Ion Ratio Lower Upper
106 100
91 213.6 149.5 277.7



#55
Styrene
Concen: 5.427 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

Tgt Ion:104 Resp: 276473
Ion Ratio Lower Upper
104 100
78 45.4 31.8 59.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.025 ug/L

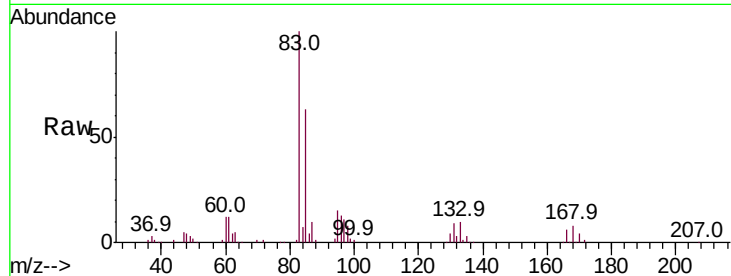
RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033793.D

Acq: 14 Aug 2019 10:50

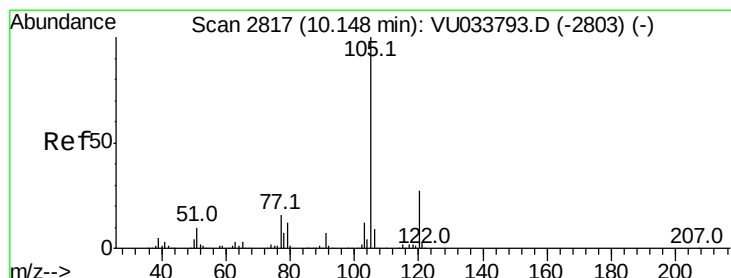
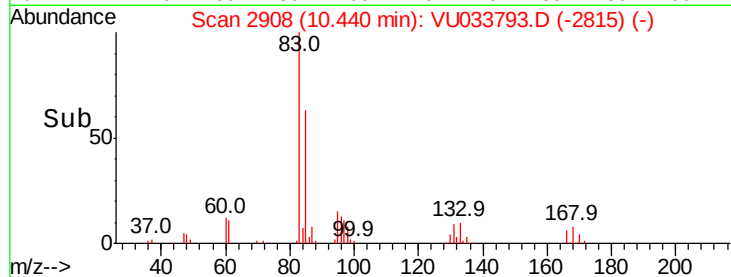
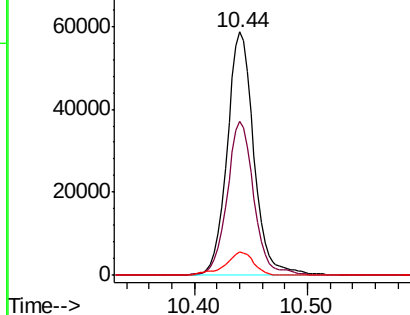
Tot Ion:	83	Resp:	96081
Ion	Ratio	Lower	Upper
83	100		
85	63.4	44.4	82.4
131	9.5	7.6	11.4



Abundance Ion 83.00 (82.70 to 83.70): VU033793.D (-2894) (-)

Ion 85.00 (84.70 to 85.70): VU033793.D (-2894) (-)

Ion 131.00 (130.70 to 131.70): VU033793.D (-2894) (-)



#59

Isopropylbenzene

Concen: 5.116 ug/L

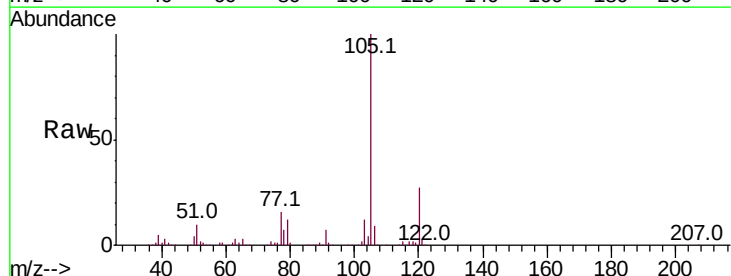
RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033793.D

Acq: 14 Aug 2019 10:50

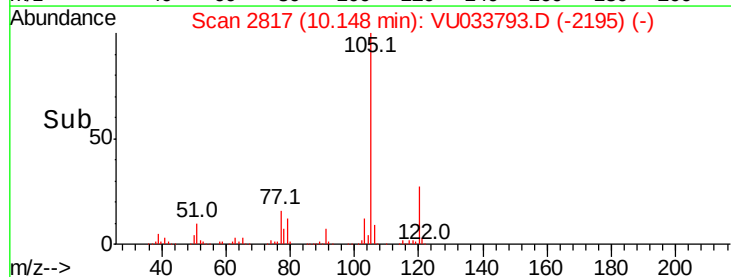
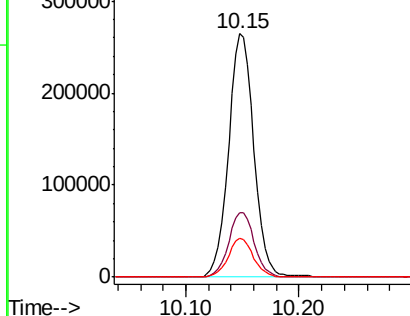
Tgt Ion:	105	Resp:	410325
Ion	Ratio	Lower	Upper
105	100		
120	26.9	21.5	32.3
77	16.0	12.8	19.2

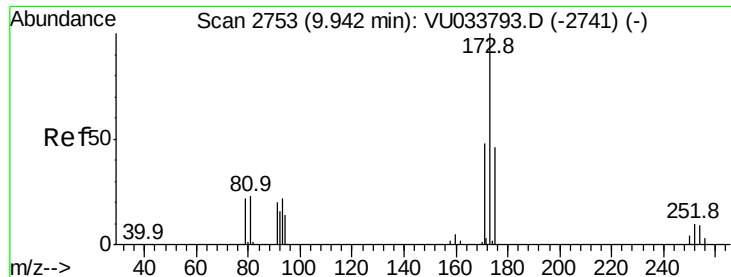


Abundance Ion 105.00 (104.70 to 105.70): VU033793.D (-2803) (-)

Ion 120.00 (119.70 to 120.70): VU033793.D (-2803) (-)

Ion 77.00 (76.70 to 77.70): VU033793.D (-2803) (-)





#60

Bromoform

Concen: 4.914 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033793.D

Acq: 14 Aug 2019 10:50

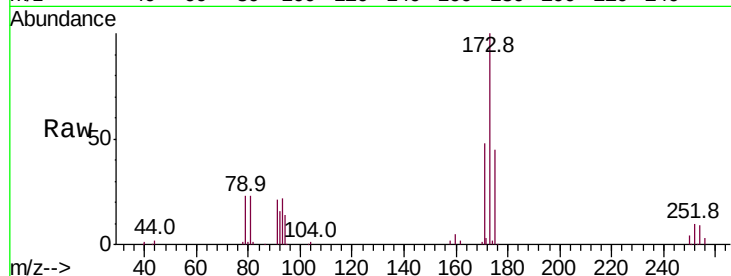
Tot Ion:173 Resp: 52813

Ion Ratio Lower Upper

173 100

175 45.8 36.6 55.0

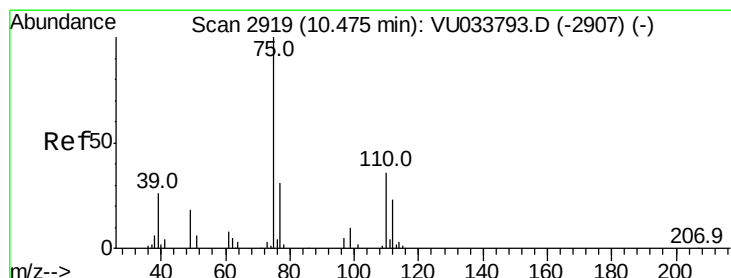
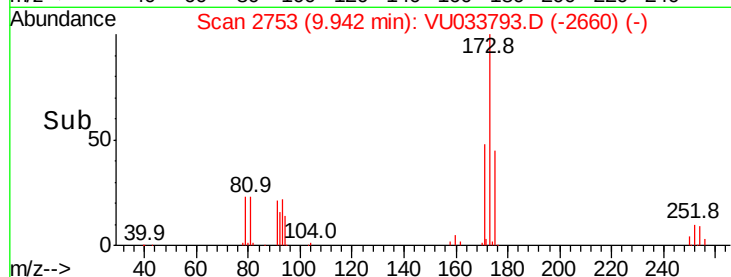
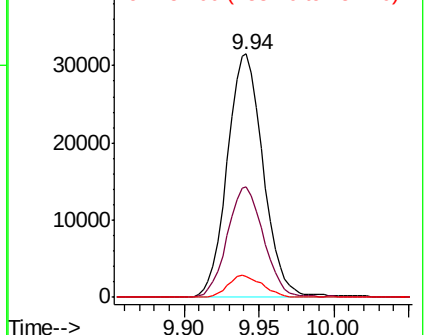
254 8.7 7.0 10.4



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: 1.476 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033793.D

Acq: 14 Aug 2019 10:50

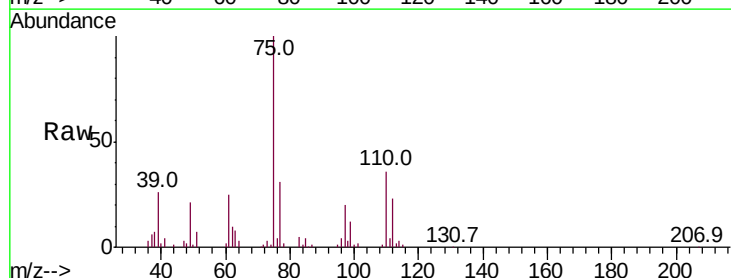
Tgt Ion: 75 Resp: 67230

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

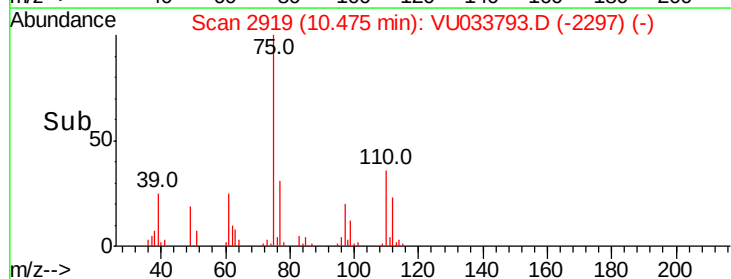
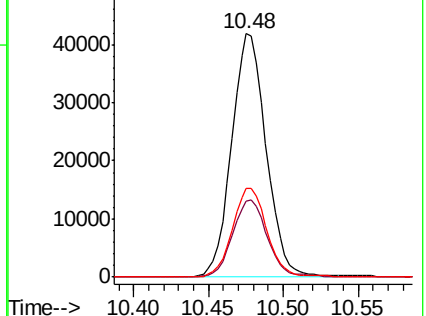
110 36.1 28.9 43.3

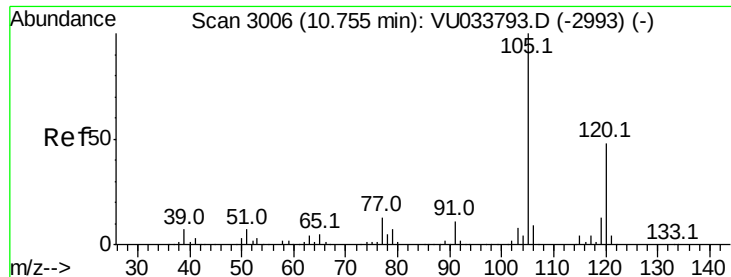


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

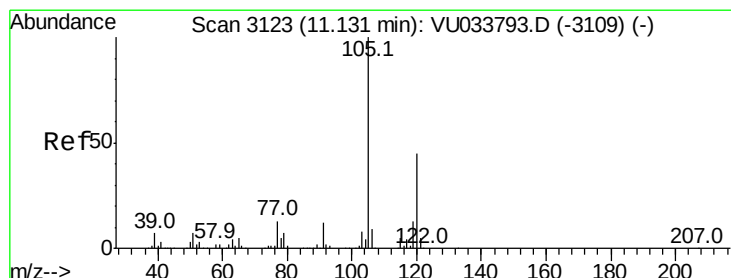
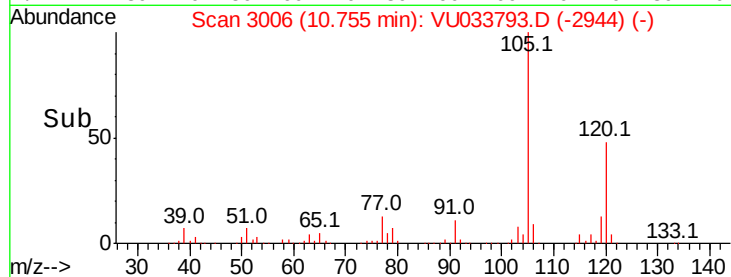
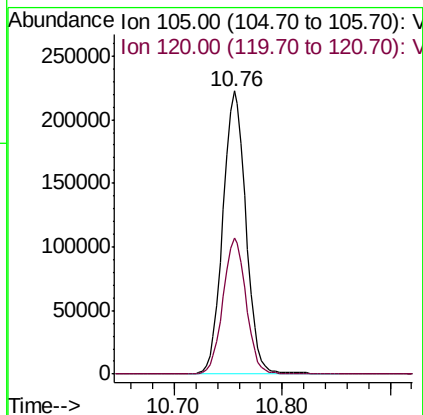
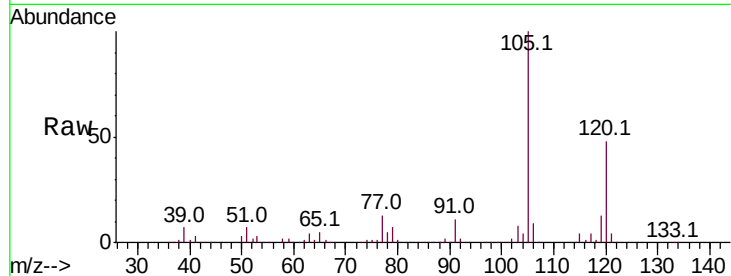




#62

1,3,5-Trimethylbenzene
Concen: 5.106 ug/L
RT: 10.76 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

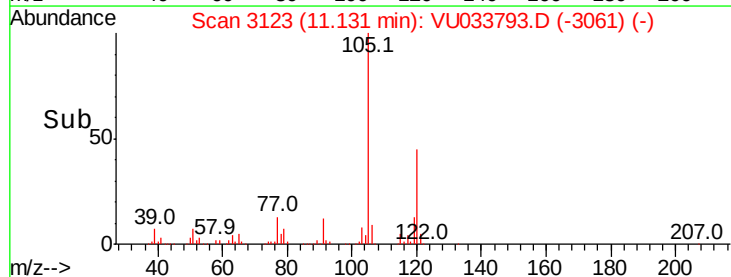
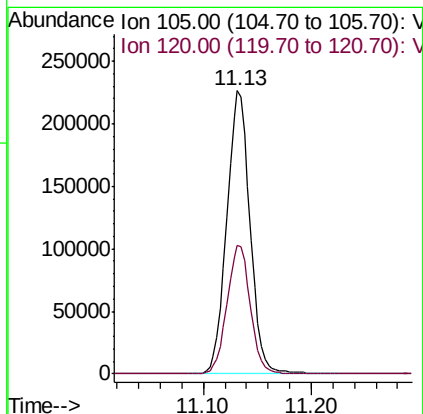
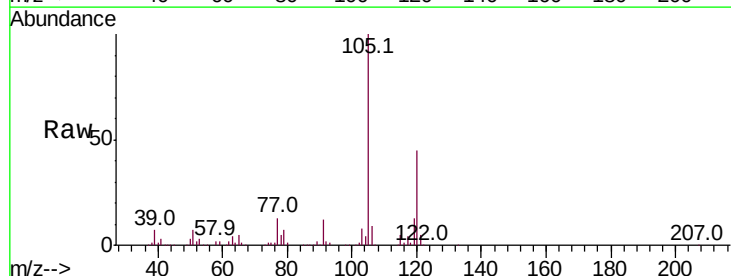
Tot Ion:105 Resp: 332314
Ion Ratio Lower Upper
105 100
120 48.3 38.6 58.0

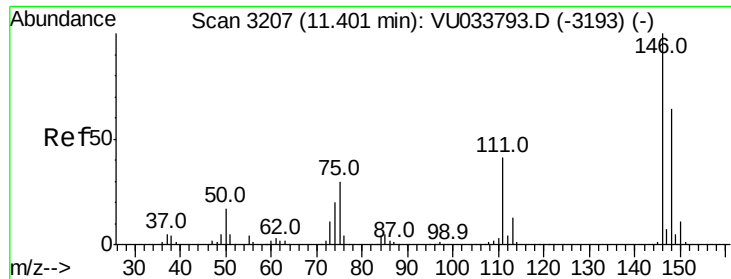


#63

1,2,4-Trimethylbenzene
Concen: 5.230 ug/L
RT: 11.13 min Scan# 3123
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

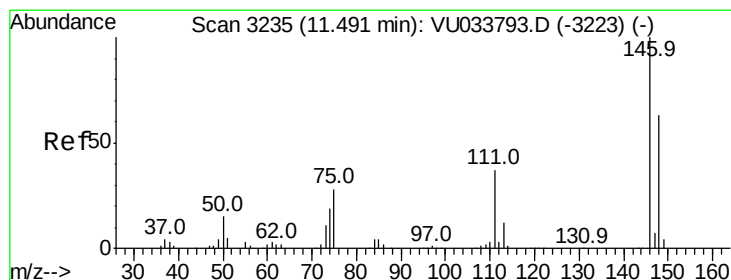
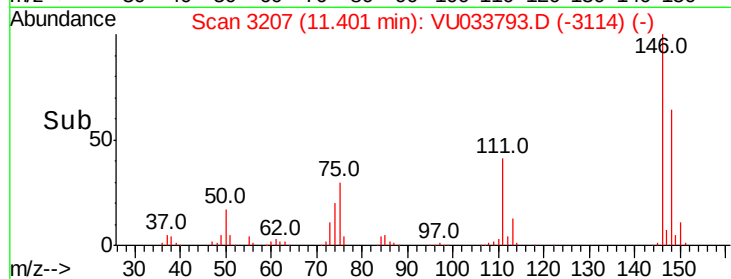
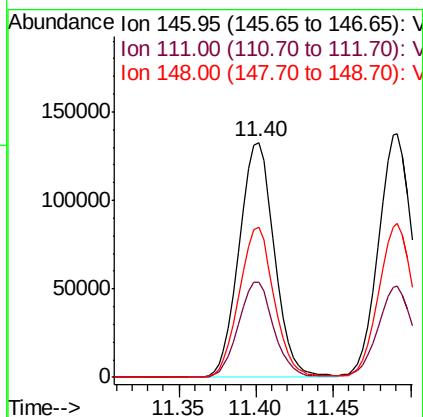
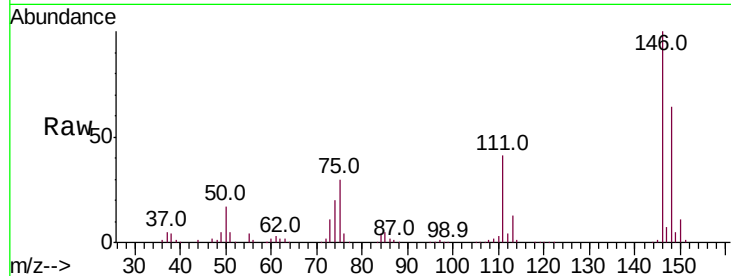
Tgt Ion:105 Resp: 339662
Ion Ratio Lower Upper
105 100
120 45.6 36.5 54.7





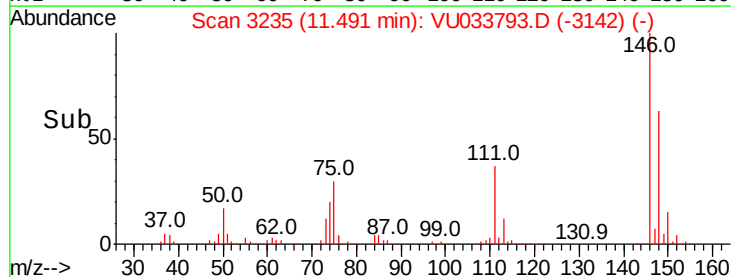
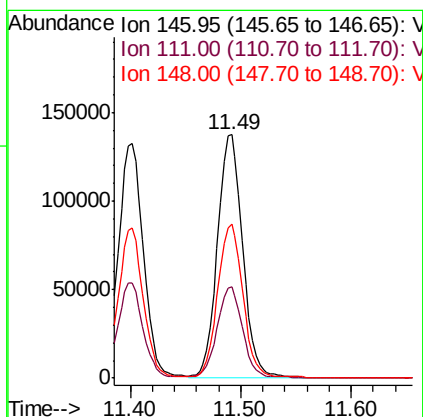
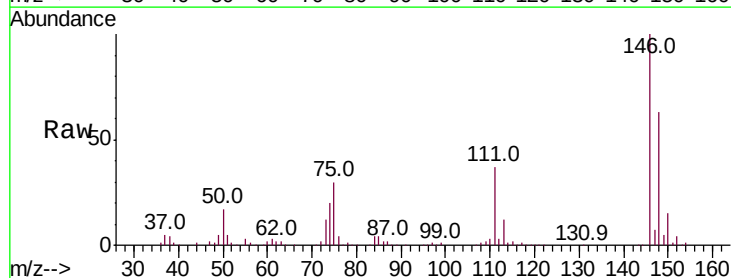
#64
 1,3-Dichlorobenzene
 Concen: 4.927 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU033793.D
 Acq: 14 Aug 2019 10:50

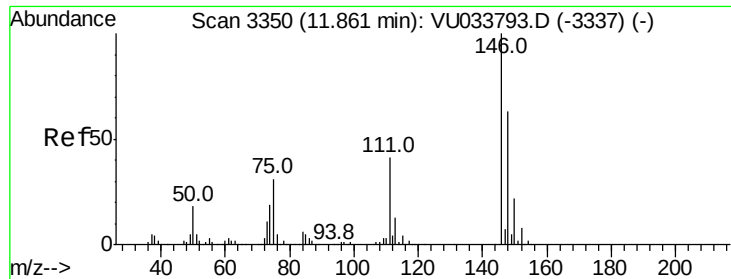
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	28.5	52.9
148	63.7	44.6	82.8



#65
 1,4-Dichlorobenzene
 Concen: 4.924 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033793.D
 Acq: 14 Aug 2019 10:50

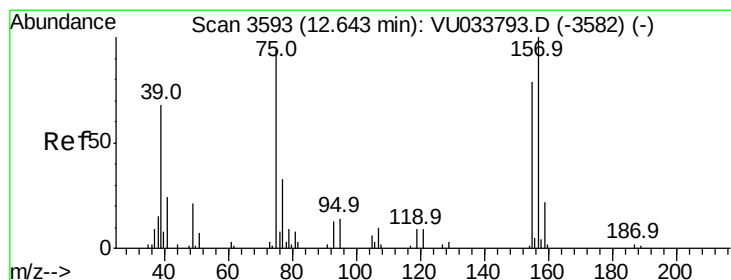
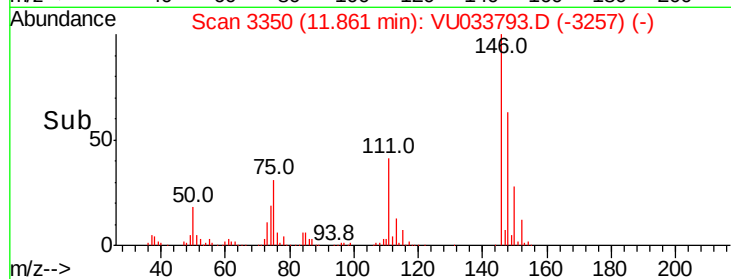
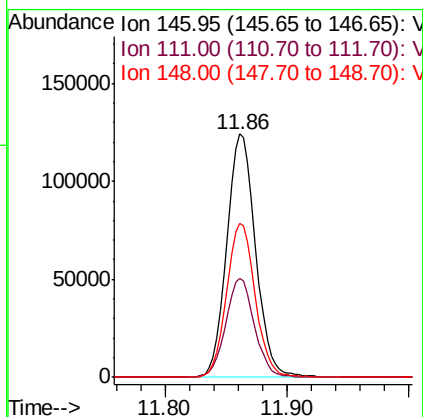
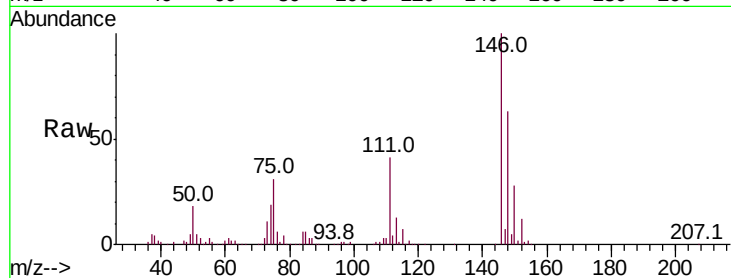
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	26.2	48.8
148	63.1	44.2	82.0





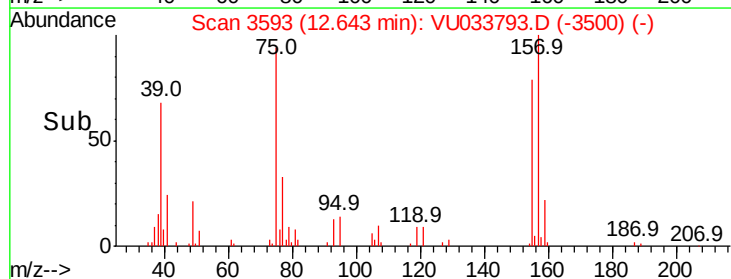
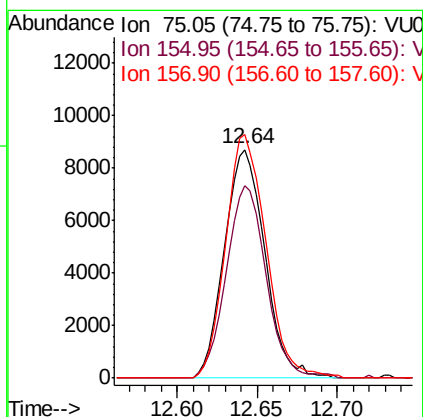
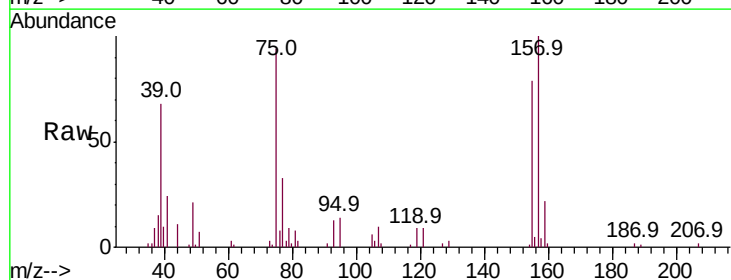
#67
 1,2-Dichlorobenzene
 Concen: 4.964 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033793.D
 Acq: 14 Aug 2019 10:50

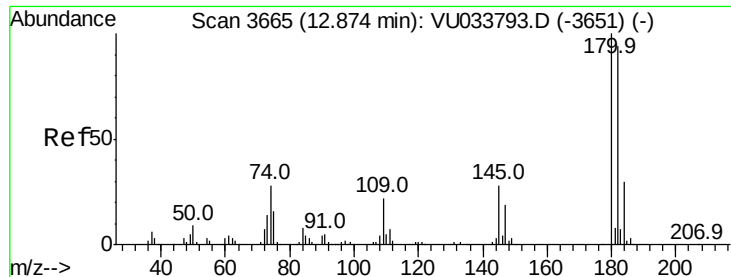
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	32.7	49.1
148	63.3	50.6	76.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.929 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033793.D
 Acq: 14 Aug 2019 10:50

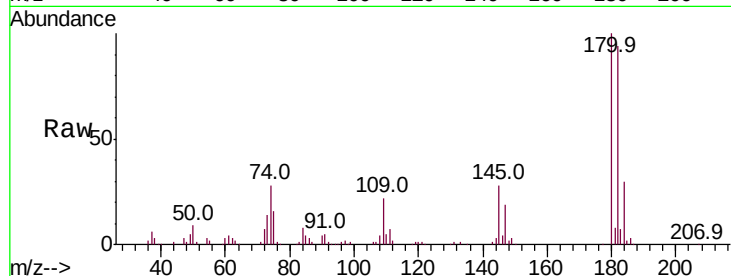
Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	67.3	100.9
157	106.6	85.3	127.9



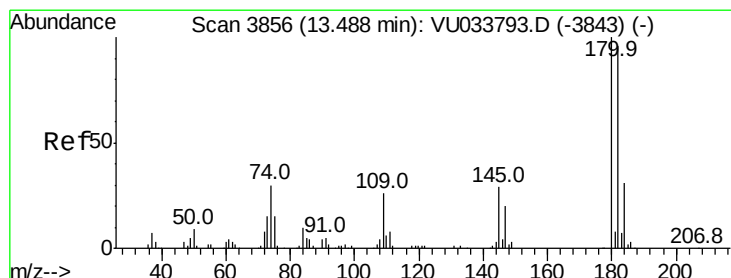
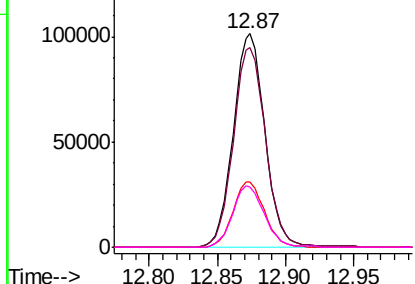
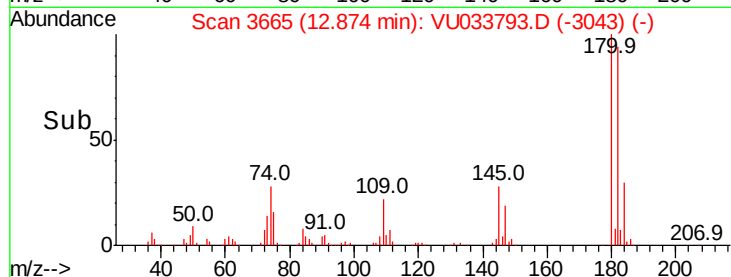


#69
 1,3,5-Trichlorobenzene
 Concen: 4.831 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033793.D
 Acq: 14 Aug 2019 10:50

Tot Ion:	180	Resp:	162991
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
184	30.5	24.4	36.6
145	29.1	23.3	34.9

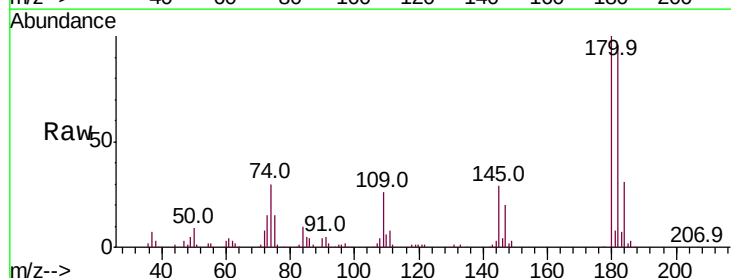


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

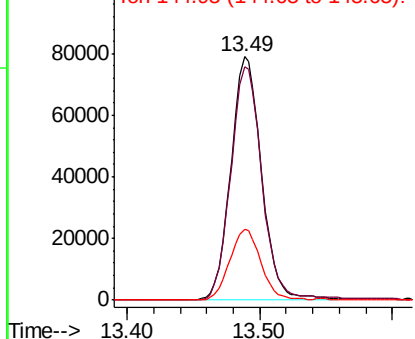
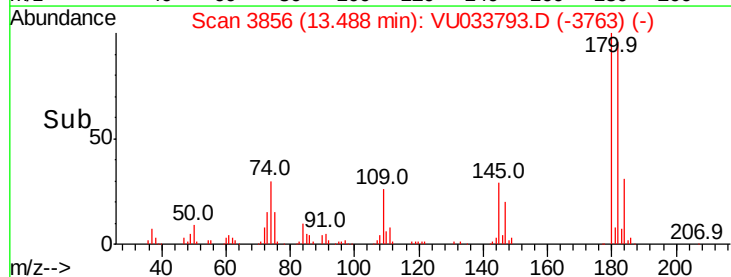


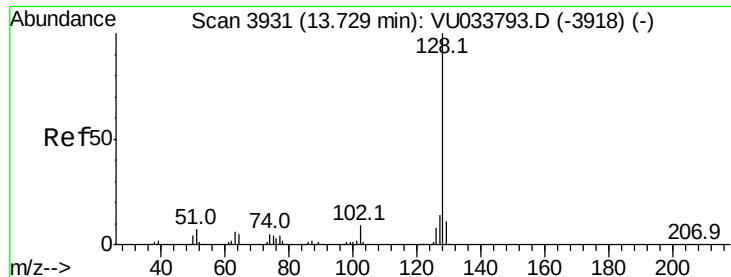
#70
 1,2,4-trichlorobenzene
 Concen: 4.861 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033793.D
 Acq: 14 Aug 2019 10:50

Tgt Ion:	180	Resp:	127634
Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.2
145	29.4	23.5	35.3



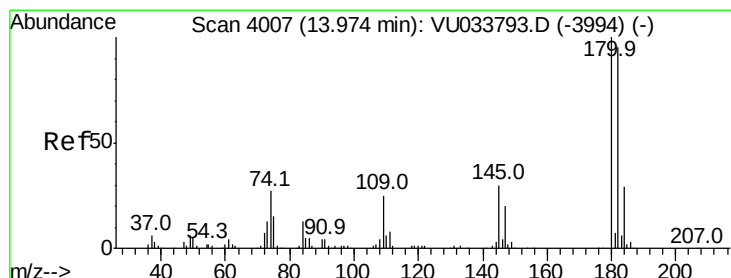
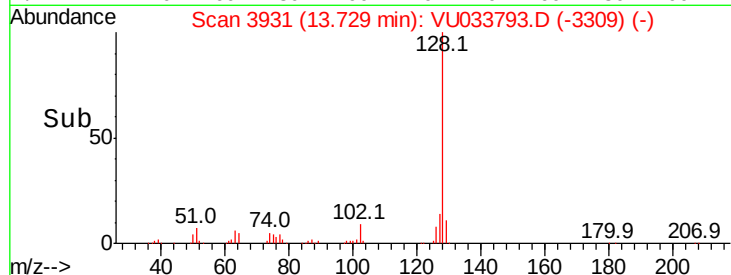
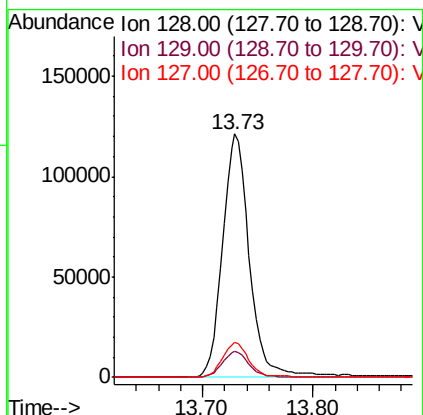
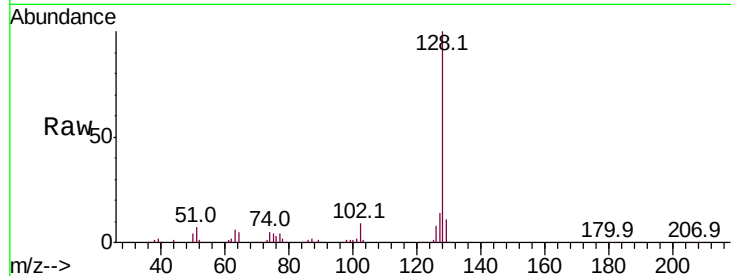
Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#71
Naphthalene
Concen: 5.078 ug/L
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.5	12.7
127	14.0	11.2	16.8



#72
1,2,3-Trichlorobenzene
Concen: 5.226 ug/L
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU033793.D
Acq: 14 Aug 2019 10:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.7	113.5
145	30.4	24.3	36.5

