

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081419\
 Data File : VU033795.D
 Acq On : 14 Aug 2019 11:38
 Operator : JC/SP
 Sample : VSTD02002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 15 14:23:23 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	5.87	114	200740	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	205583	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	116755	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	434802	19.14	ug/L	0.00
7) Chloroethane-d5	1.67	69	339160	19.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	65	203438	19.49	ug/L	0.00
20) 2-Butanone-d5	4.18	46	931112	212.10	ug/L	0.00
24) Chloroform-d	4.62	84	636967	18.80	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	330397	18.63	ug/L	0.00
32) Benzene-d6	5.32	84	1272217	20.13	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	389987	19.46	ug/L	0.00
41) Toluene-d8	7.55	98	1215466	20.94	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	171115	21.59	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	802628	254.10	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.41	84	343143	19.83	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.84	152	471109	19.91	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	563392	19.362	ug/L	100
3) Chloromethane	1.32	50	570446	18.890	ug/L	98
5) Vinyl chloride	1.39	62	639348	19.416	ug/L	98
6) Bromomethane	1.62	94	373986	19.516	ug/L	99
8) Chloroethane	1.69	64	370840	19.066	ug/L	99
9) Trichlorofluoromethane	1.87	101	929354	20.603	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	454311	18.979	ug/L	100
12) 1,1-Dichloroethene	2.27	96	448171	19.375	ug/L	98
13) Acetone	2.34	43	873438	187.305	ug/L #	50
14) Carbon disulfide	2.46	76	1501999	19.121	ug/L	100
15) Methyl Acetate	2.61	43	228329	18.775	ug/L	100
16) Methylene chloride	2.68	84	483202	17.893	ug/L	98
17) Methyl tert-butyl Ether	2.98	73	1179428	19.693	ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	475862	19.157	ug/L	98
19) 1,1-Dichloroethane	3.42	63	740488	19.069	ug/L	100
21) 2-Butanone	4.27	43	1178673	204.841	ug/L	97
22) cis-1,2-Dichloroethene	4.20	96	437657	20.653	ug/L	98
23) Bromochloromethane	4.52	128	197062	19.397	ug/L	97
25) Chloroform	4.65	83	756697	18.105	ug/L	98
27) 1,2-Dichloroethane	5.38	62	499207	19.385	ug/L	100
29) 1,1,1-Trichloroethane	4.89	97	654042	19.549	ug/L	99
30) Cyclohexane	4.97	56	682266	22.532	ug/L	99
31) Carbon tetrachloride	5.11	117	590026	19.821	ug/L	98
33) Benzene	5.36	78	1671183	20.324	ug/L	100
34) Trichloroethene	6.16	95	434921	20.167	ug/L	99
35) Methylcyclohexane	6.39	83	749856	23.191	ug/L	96
37) 1,2-Dichloropropane	6.41	63	441158	19.855	ug/L	99
38) Bromodichloromethane	6.74	83	550709	19.655	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	675257	22.520	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	2858571	222.628	ug/L	98

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Quant Title : TRACE VOA SOM01.0

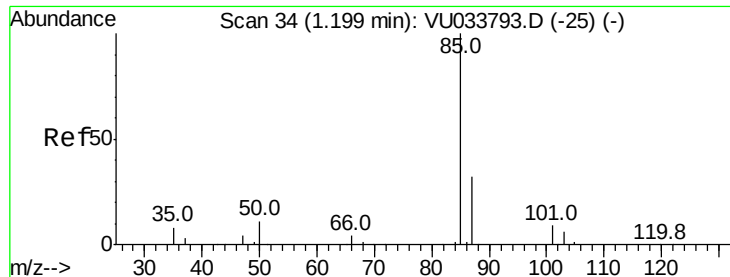
QLast Update : Thu Aug 15 14:18:33 2019

Response via : Initial Calibration

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

42) Toluene	7.62	91	1859016	21.515	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	551298	21.992	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	314081	19.783	ug/L	98
47) Tetrachloroethene	8.21	164	359634	20.004	ug/L	100
48) 2-Hexanone	8.35	43	2082845	224.298	ug/L	99
49) Dibromochloromethane	8.46	129	399847	20.769	ug/L	97
50) 1,2-Dibromoethane	8.57	107	310150	20.205	ug/L	95
51) Chlorobenzene	9.10	112	1157463	20.807	ug/L	99
52) Ethylbenzene	9.23	91	2065463	23.097	ug/L	99
53) m,p-Xylene	9.36	106	784150	23.253	ug/L	100
54) o-Xylene	9.76	106	769810	24.044	ug/L	99
55) Styrene	9.77	104	1332521	23.985	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.44	83	413467	19.826	ug/L	98
59) Isopropylbenzene	10.15	105	2028892	22.794	ug/L	99
60) Bromoform	9.94	173	241788	20.273	ug/L	96
61) 1,2,3-Trichloropropane	10.48	75	289656	5.731	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	1760092	24.368	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	1752643	24.318	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	980683	20.602	ug/L	100
65) 1,4-Dichlorobenzene	11.49	146	993950	20.283	ug/L	100
67) 1,2-Dichlorobenzene	11.86	146	934524	20.334	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.64	75	72977	21.562	ug/L	96
69) 1,3,5-Trichlorobenzene	12.87	180	806646	21.546	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	700680	24.048	ug/L	98
71) Naphthalene	13.73	128	1252417	27.913	ug/L	99
72) 1,2,3-Trichlorobenzene	13.97	180	650098	23.675	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 19.362 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033795.D

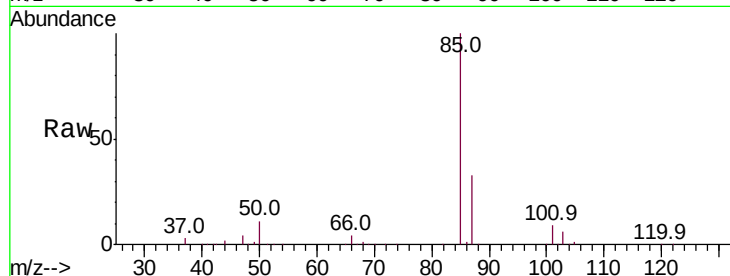
Acq: 14 Aug 2019 11:38

Tot Ion: 85 Resp: 563392

Ion Ratio Lower Upper

85 100

87 32.1 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

600000

500000

400000

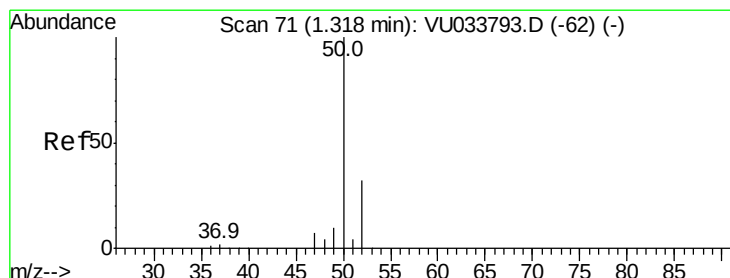
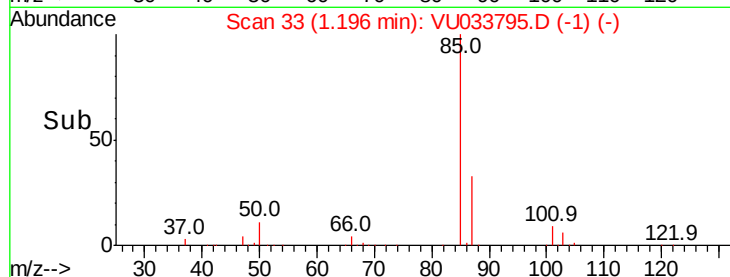
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 18.890 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033795.D

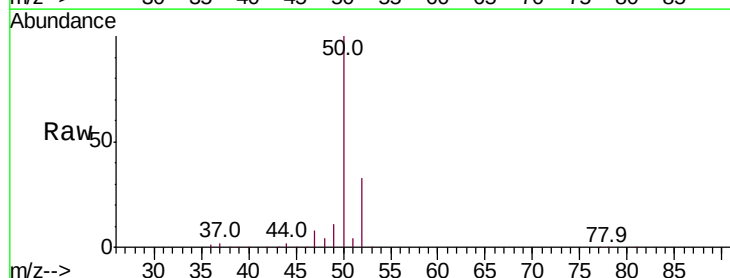
Acq: 14 Aug 2019 11:38

Tgt Ion: 50 Resp: 570446

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

600000

500000

400000

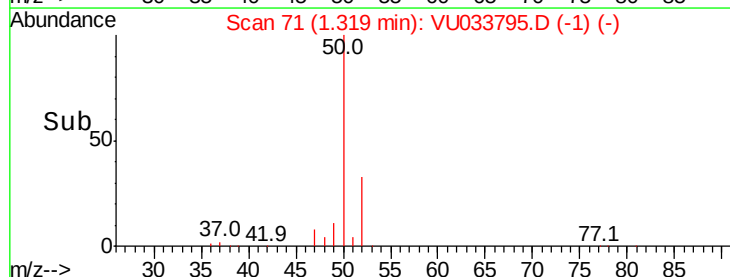
300000

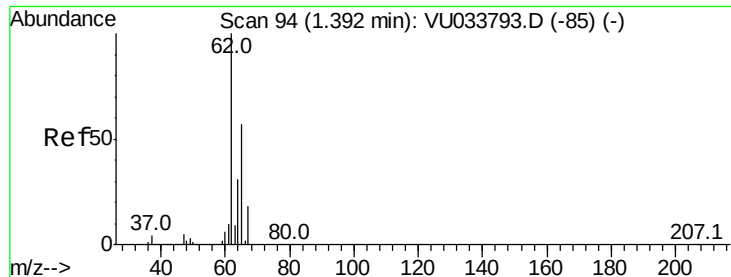
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 19.416 ug/L

RT: 1.39 min Scan# 94

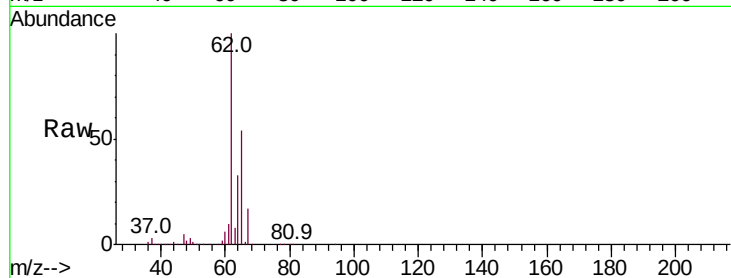
Delta R.T. 0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

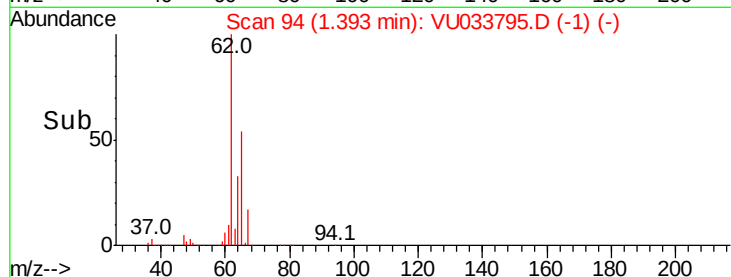
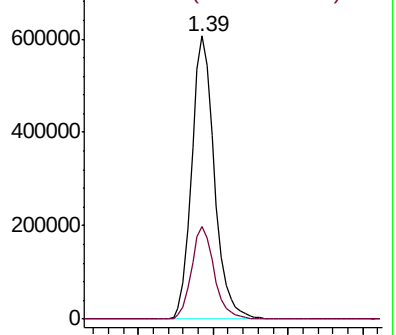
Tot Ion: 62 Resp: 639348

Ion	Ratio	Lower	Upper
62	100		
64	32.5	21.9	40.7

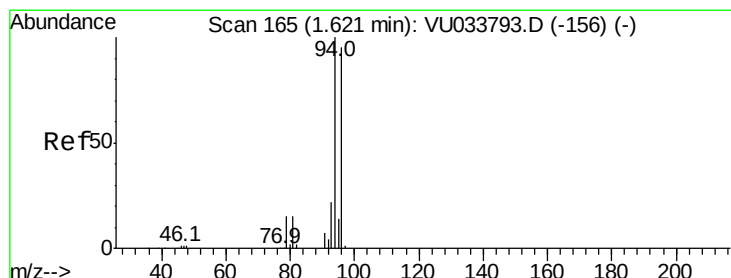


Abundance Ion 62.00 (61.70 to 62.70): VU033795.D (-85) (-)

Ion 64.00 (63.70 to 64.70): VU033795.D (-85) (-)



Time-->



#6

Bromomethane

Concen: 19.516 ug/L

RT: 1.62 min Scan# 165

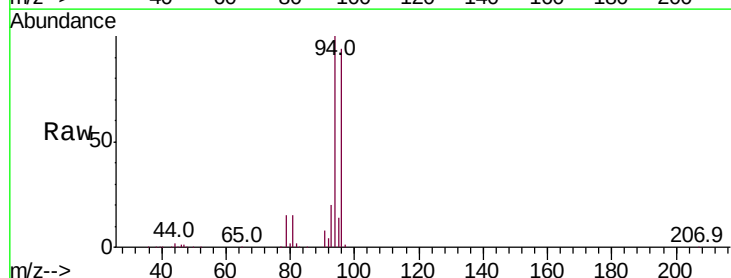
Delta R.T. 0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

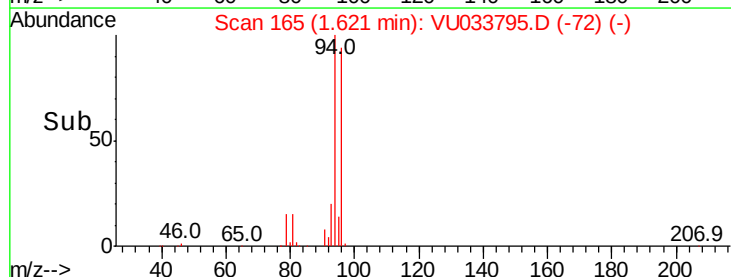
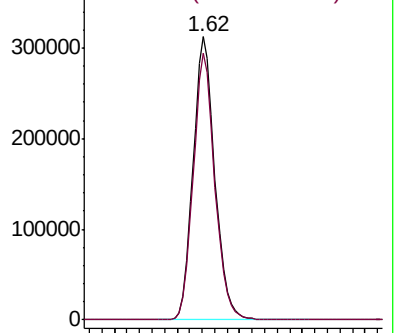
Tgt Ion: 94 Resp: 373986

Ion	Ratio	Lower	Upper
94	100		
96	94.1	66.4	123.2

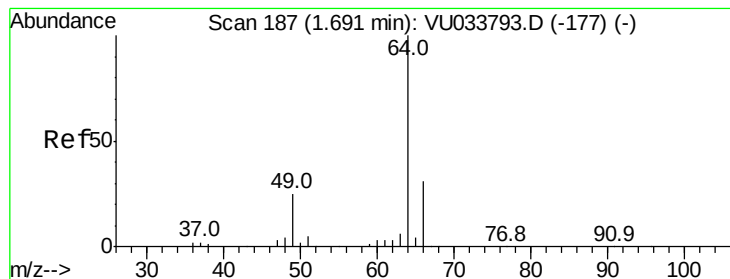


Abundance Ion 94.00 (93.70 to 94.70): VU033795.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU033795.D (-156) (-)



Time-->



#8

Chloroethane

Concen: 19.066 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033795.D

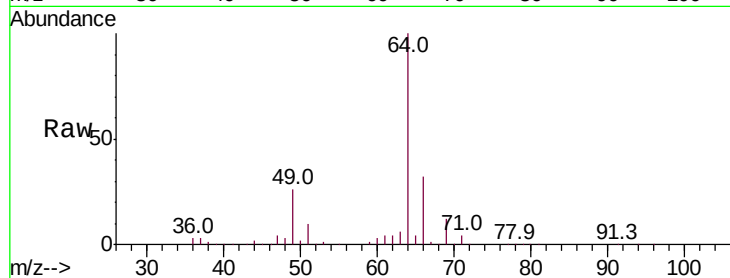
Acq: 14 Aug 2019 11:38

Tot Ion: 64 Resp: 370840

Ion Ratio Lower Upper

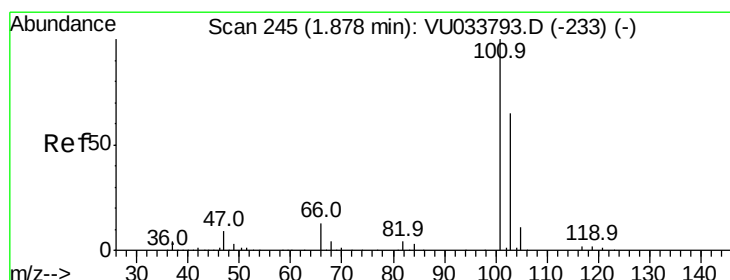
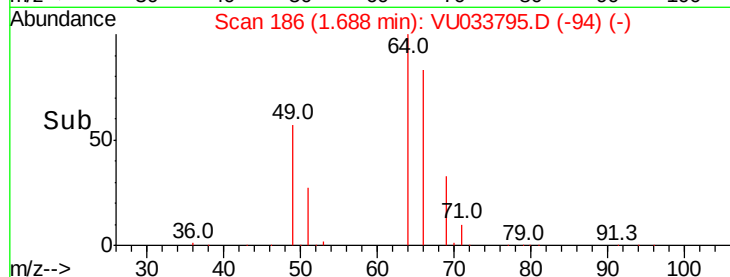
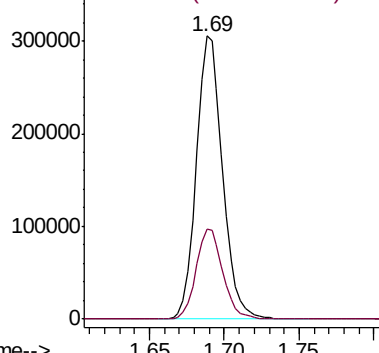
64 100

66 32.0 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU033795.D

Ion 66.00 (65.70 to 66.70): VU033795.D



#9

Trichlorofluoromethane

Concen: 20.603 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033795.D

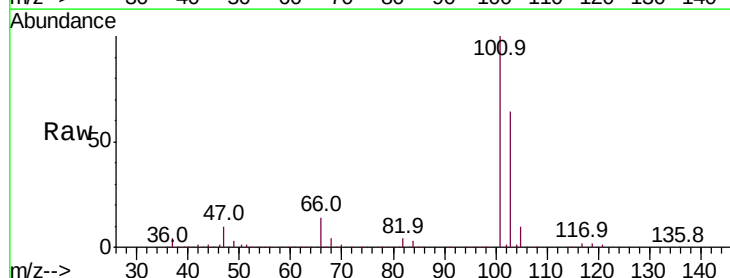
Acq: 14 Aug 2019 11:38

Tgt Ion: 101 Resp: 929354

Ion Ratio Lower Upper

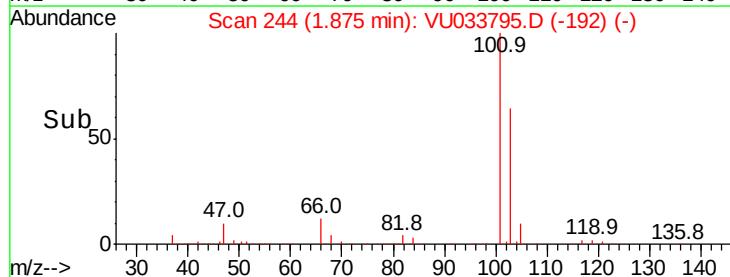
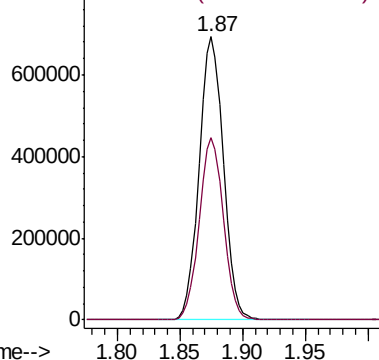
101 100

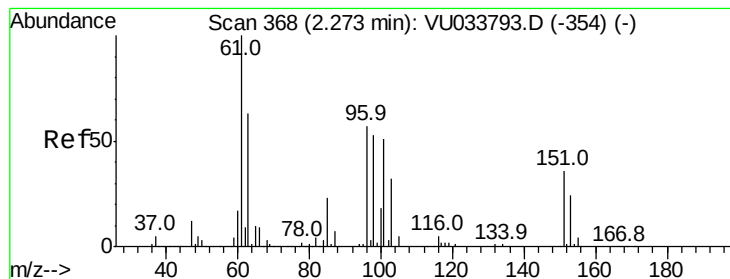
103 64.1 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU033795.D

Ion 103.00 (102.70 to 103.70): VU033795.D





#10

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

Concen: 18.979 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

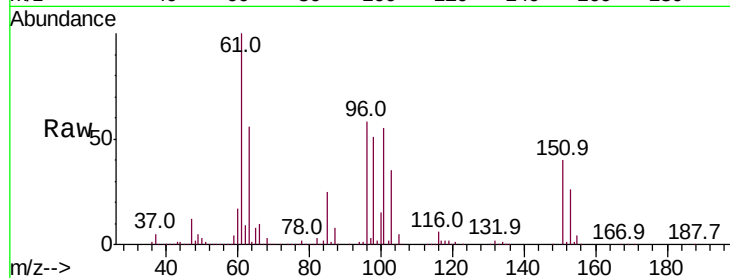
Tot Ion:101 Resp: 454311

Ion Ratio Lower Upper

101 100

85 45.4 36.2 54.2

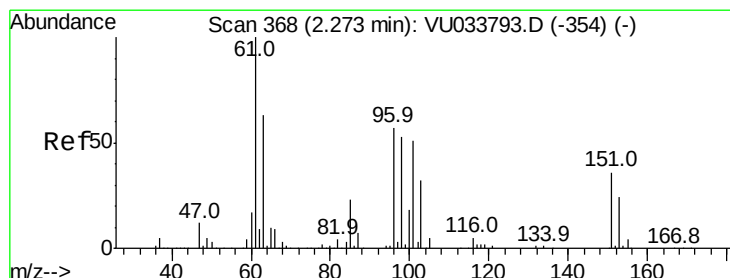
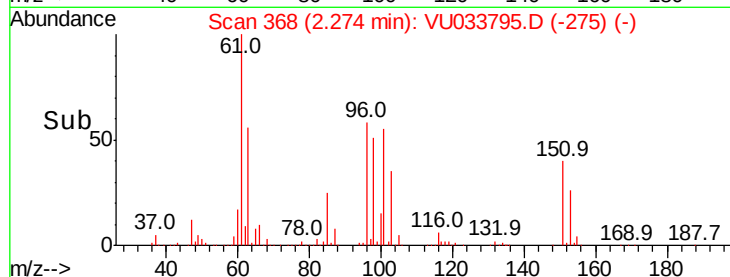
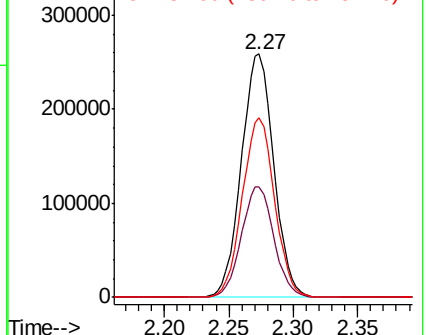
151 73.3 58.7 88.1



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: 19.375 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

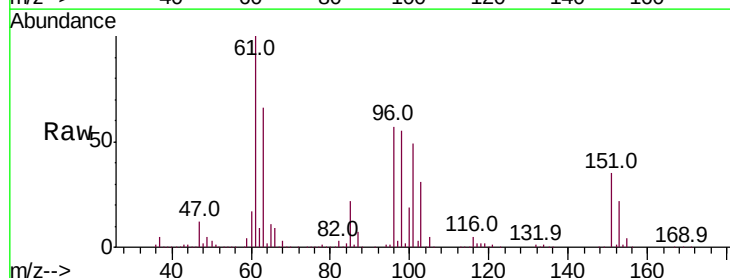
Tgt Ion: 96 Resp: 448171

Ion Ratio Lower Upper

96 100

61 176.4 123.8 230.0

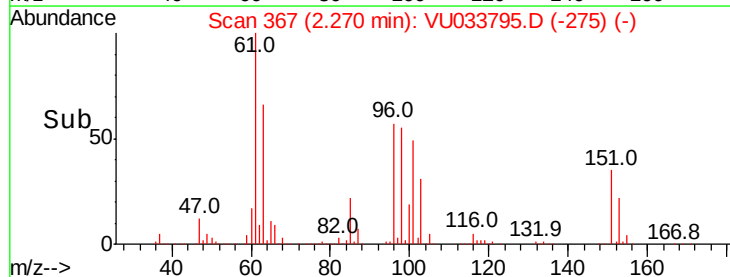
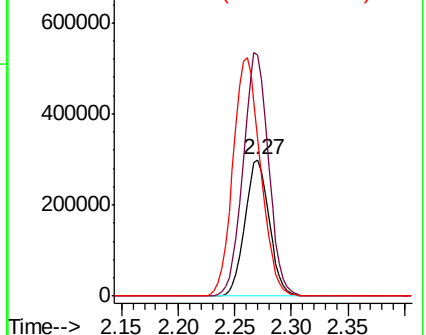
63 115.8 78.0 144.9

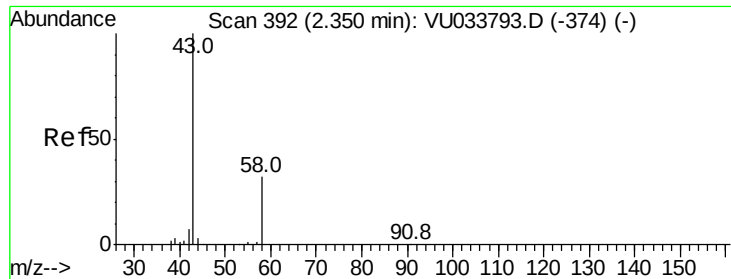


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 187.305 ug/L

RT: 2.34 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU033795.D

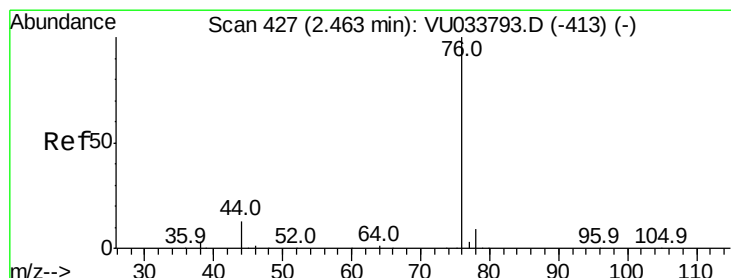
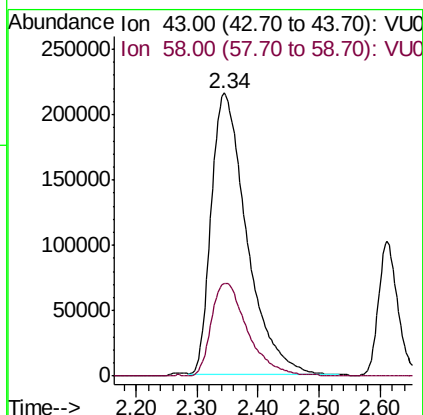
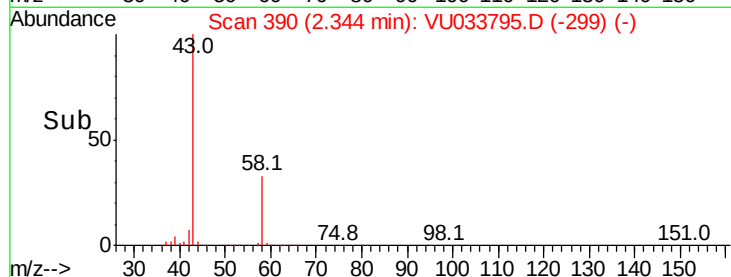
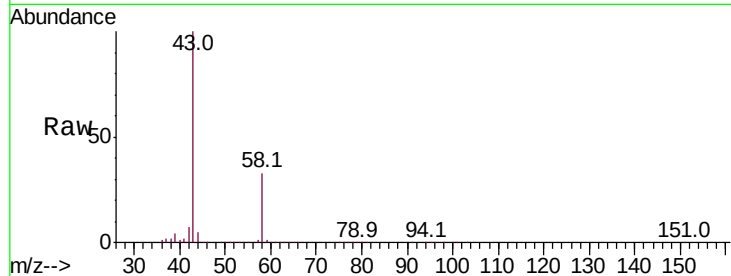
Acq: 14 Aug 2019 11:38

Tot Ion: 43 Resp: 873438

Ion Ratio Lower Upper

43 100

58 33.5 0.0 27.0#



#14

Carbon disulfide

Concen: 19.121 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033795.D

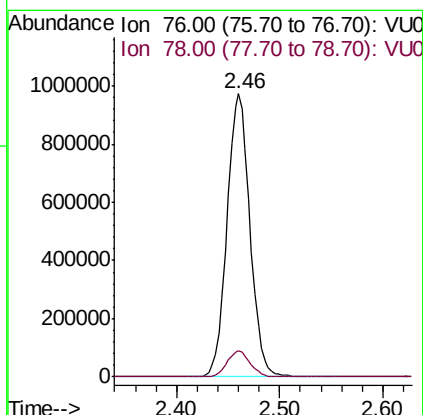
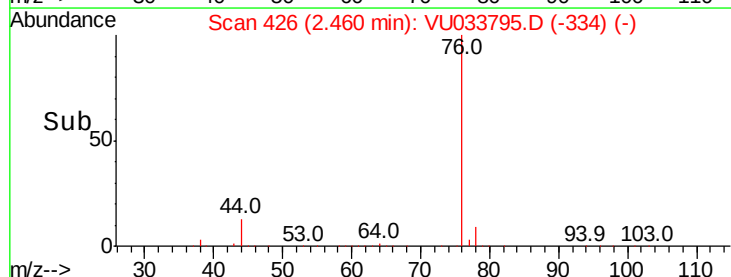
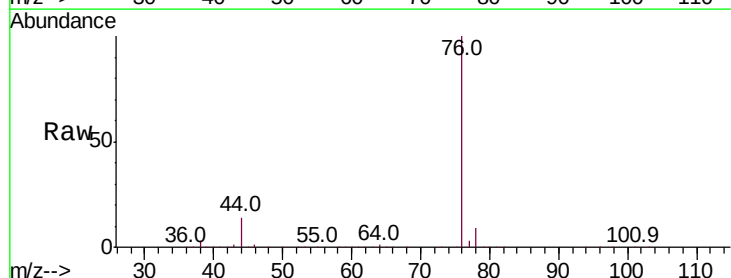
Acq: 14 Aug 2019 11:38

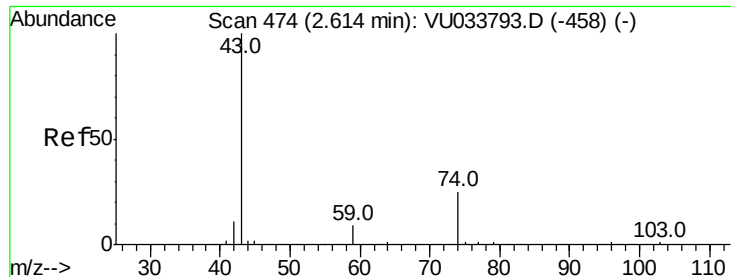
Tgt Ion: 76 Resp: 1501999

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methyl Acetate

Concen: 18.775 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

Lab File: VU033795.D

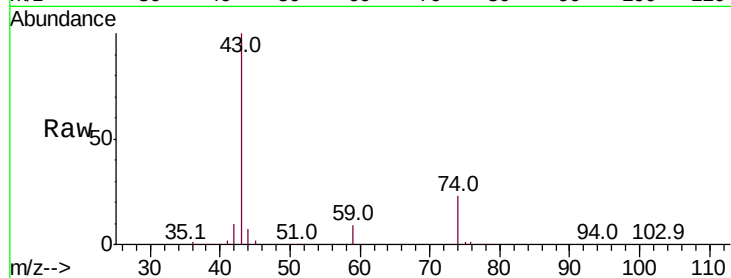
Acq: 14 Aug 2019 11:38

Tot Ion: 43 Resp: 228329

Ion Ratio Lower Upper

43 100

74 23.5 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VU033795.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU033795.D (-458) (-)

2.61

100000

80000

60000

40000

20000

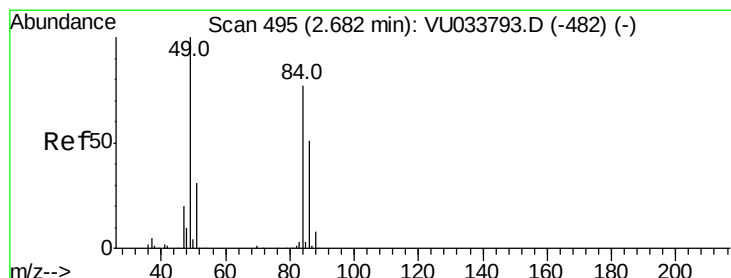
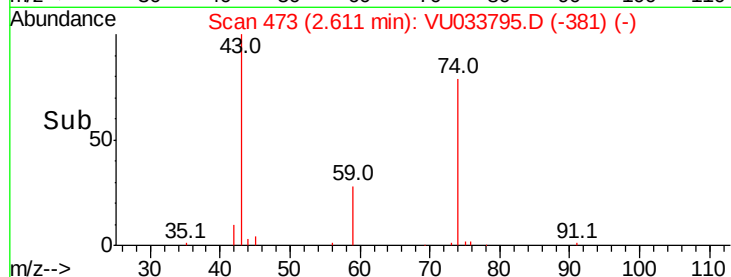
0

Time-->

2.50

2.60

2.70



#16

Methylene chloride

Concen: 17.893 ug/L

RT: 2.68 min Scan# 495

Delta R.T. 0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

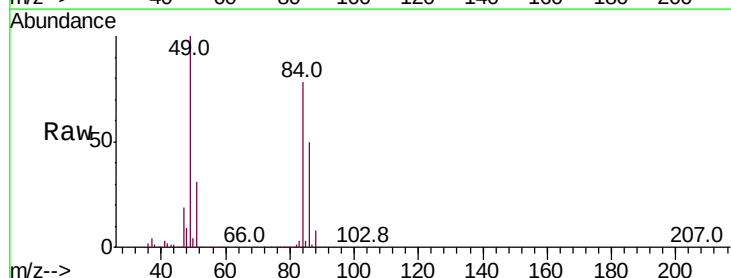
Tgt Ion: 84 Resp: 483202

Ion Ratio Lower Upper

84 100

86 63.4 46.0 85.4

49 127.4 90.4 168.0



Abundance Ion 84.00 (83.70 to 84.70): VU033795.D (-482) (-)

Ion 86.00 (85.70 to 86.70): VU033795.D (-482) (-)

Ion 49.00 (48.70 to 49.70): VU033795.D (-482) (-)

2.68

500000

400000

300000

200000

100000

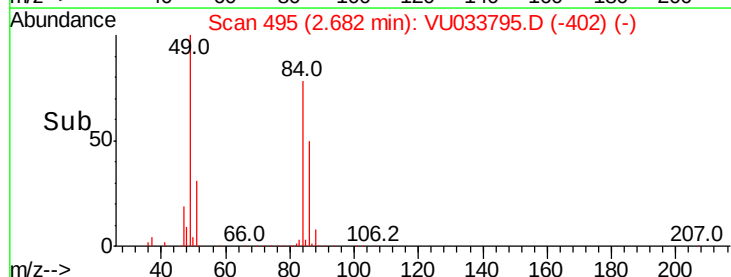
0

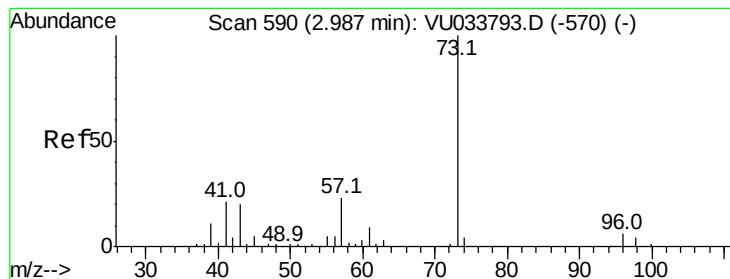
Time-->

2.60

2.70

2.80



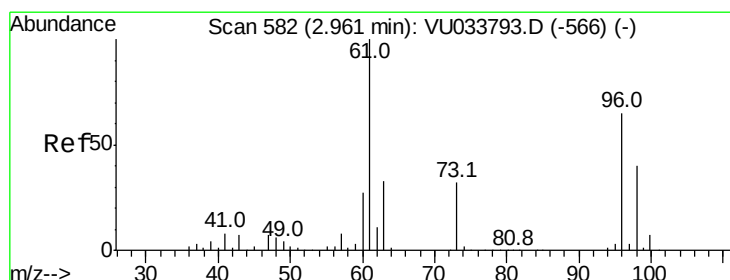
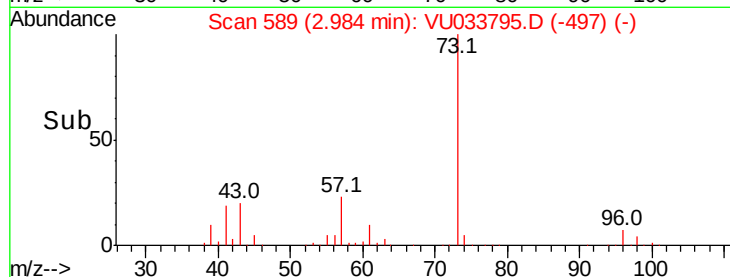
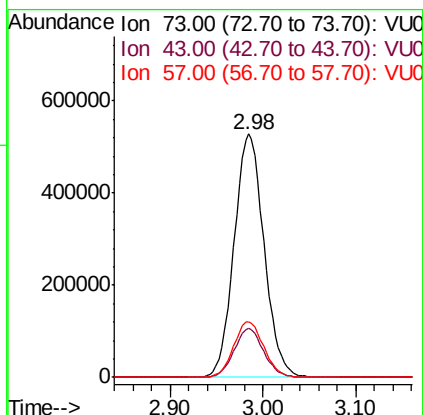
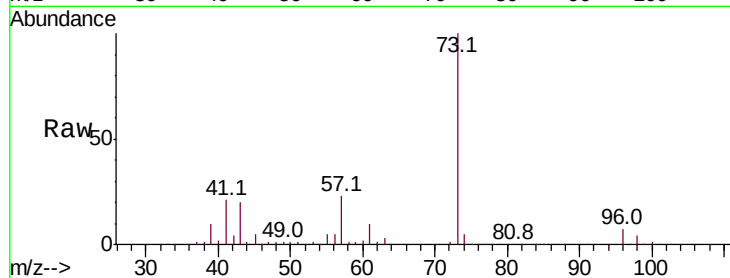


#17

Methyl tert-butyl Ether
 Concen: 19.693 ug/L
 RT: 2.98 min Scan# 589
 Delta R.T. -0.00 min
 Lab File: VU033795.D
 Acq: 14 Aug 2019 11:38

Tot Ion: 73 Resp: 1179428

Ion	Ratio	Lower	Upper
73	100		
43	19.8	16.2	24.4
57	23.1	18.9	28.3

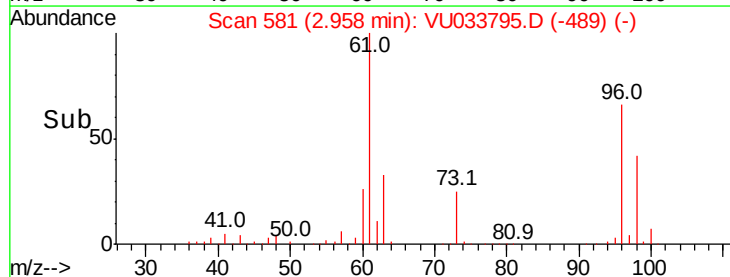
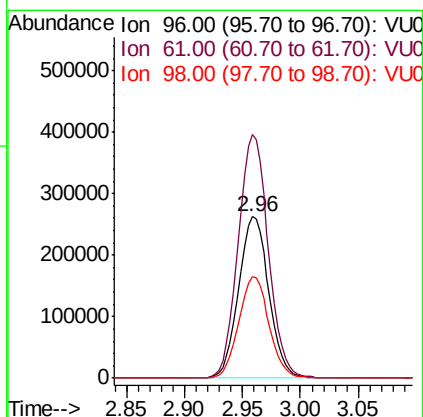
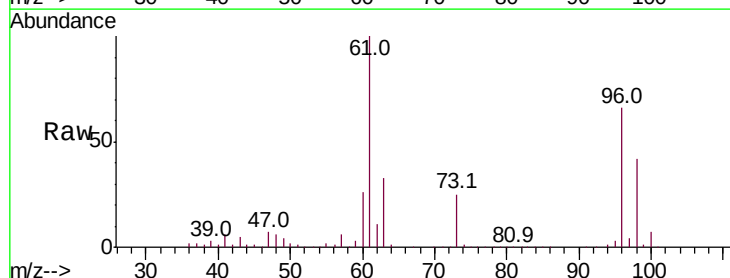


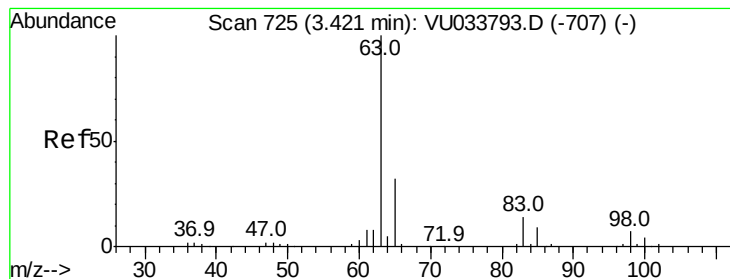
#18

trans-1,2-Dichloroethene
 Concen: 19.157 ug/L
 RT: 2.96 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VU033795.D
 Acq: 14 Aug 2019 11:38

Tgt Ion: 96 Resp: 475862

Ion	Ratio	Lower	Upper
96	100		
61	151.0	107.2	199.0
98	62.8	43.0	79.8





#19

1,1-Dichloroethane

Concen: 19.069 ug/L

RT: 3.42 min Scan# 724

Delta R.T. -0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

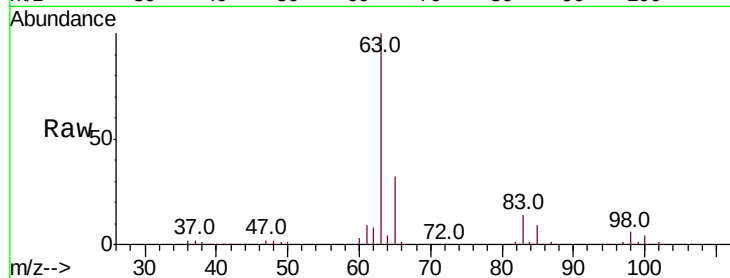
Tot Ion: 63 Resp: 740488

Ion Ratio Lower Upper

63 100

65 31.7 22.4 41.6

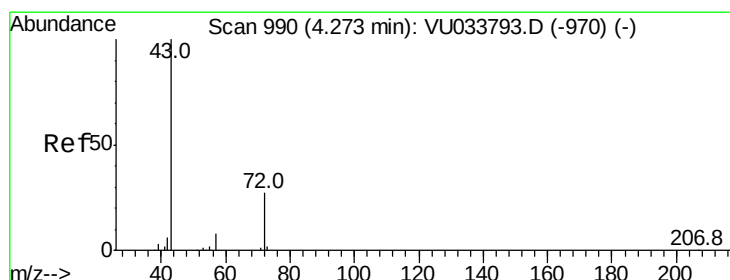
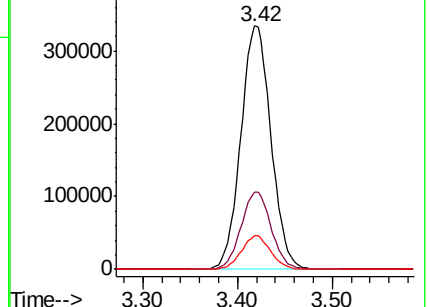
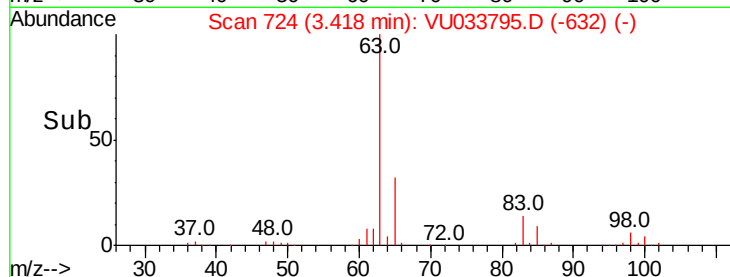
83 13.6 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VU033795.D (-632) (-)

Ion 65.00 (64.70 to 65.70): VU033795.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU033795.D (-632) (-)



#21

2-Butanone

Concen: 204.841 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VU033795.D

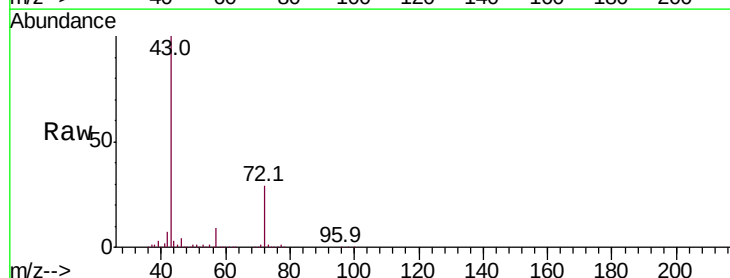
Acq: 14 Aug 2019 11:38

Tgt Ion: 43 Resp: 1178673

Ion Ratio Lower Upper

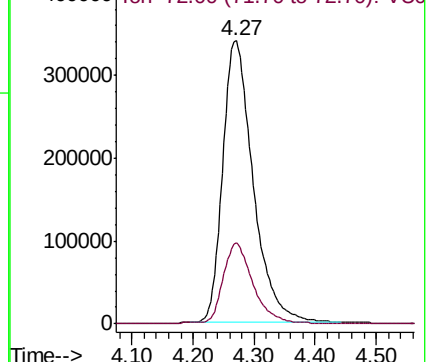
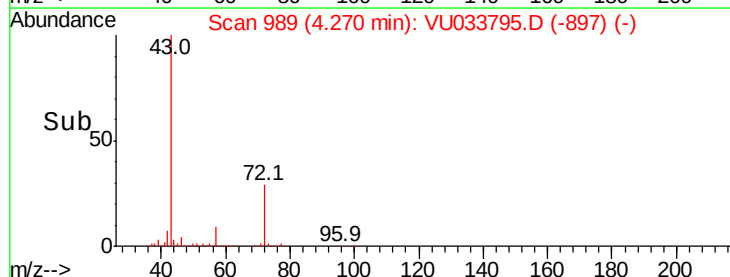
43 100

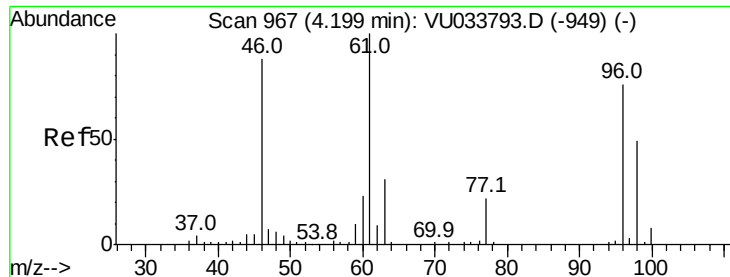
72 27.6 13.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VU033795.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VU033795.D (-897) (-)

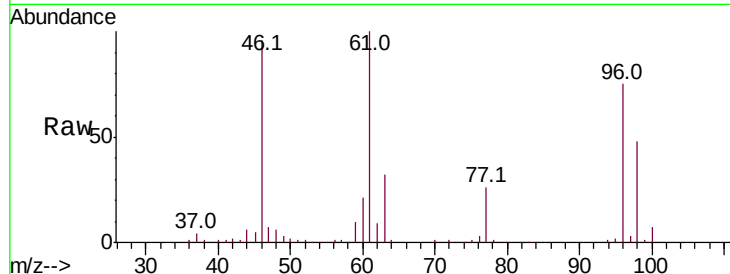




#22

cis-1,2-Dichloroethene
Concen: 20.653 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.8	91.7	170.3
98	64.4	45.1	83.9

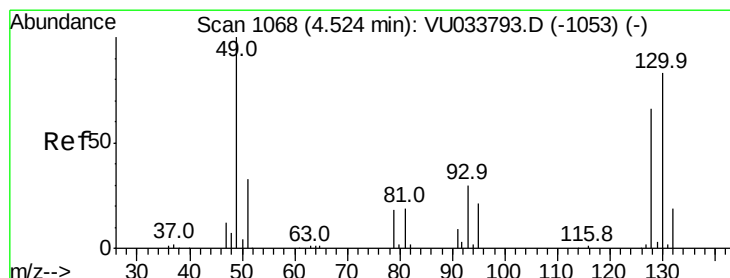
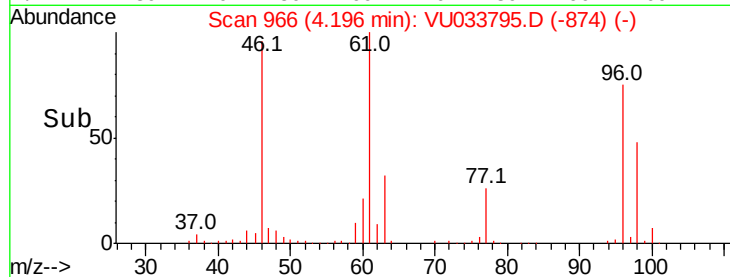
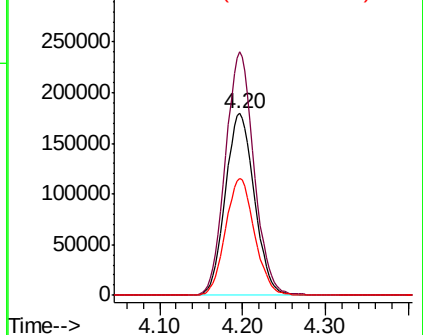


Abundance

Ion 96.00 (95.70 to 96.70): VU033795.D (-966) (-)

Ion 61.00 (60.70 to 61.70): VU033795.D (-966) (-)

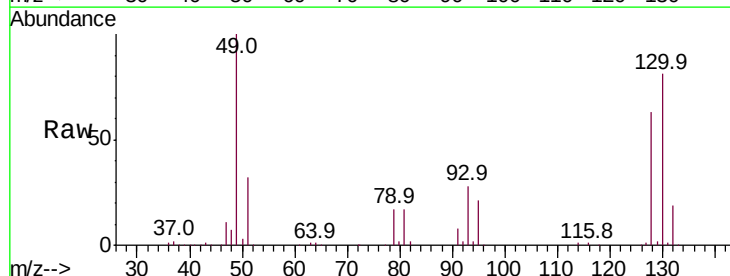
Ion 98.00 (97.70 to 98.70): VU033795.D (-966) (-)



#23

Bromochloromethane
Concen: 19.397 ug/L
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

Tgt Ion	Ratio	Lower	Upper
128	100		
49	158.8	106.8	198.4
130	128.3	88.3	164.1
51	50.9	40.3	60.5



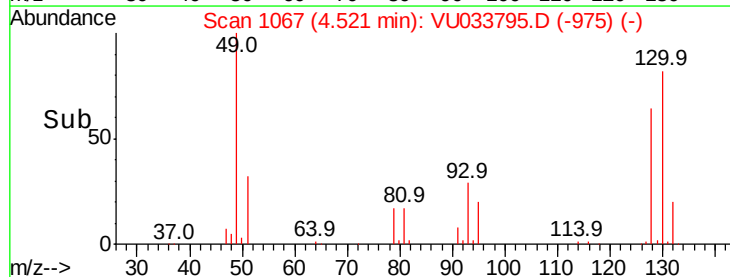
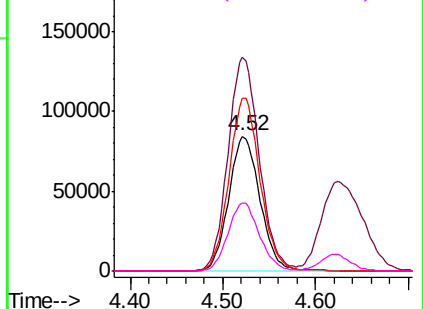
Abundance

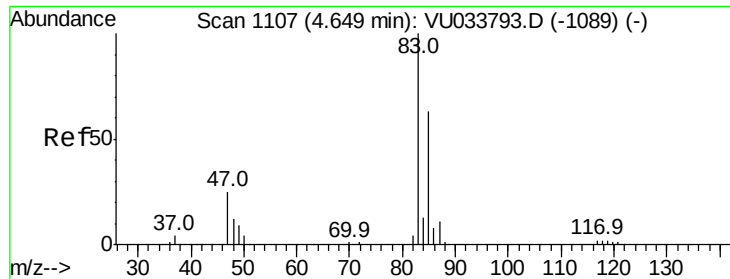
Ion 128.00 (127.70 to 128.70): VU033795.D (-1067) (-)

Ion 49.00 (48.70 to 49.70): VU033795.D (-1067) (-)

Ion 130.00 (129.70 to 130.70): VU033795.D (-1067) (-)

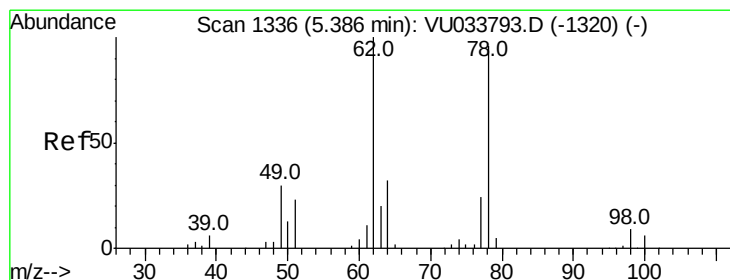
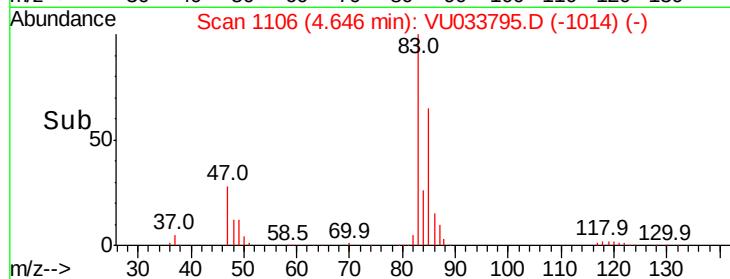
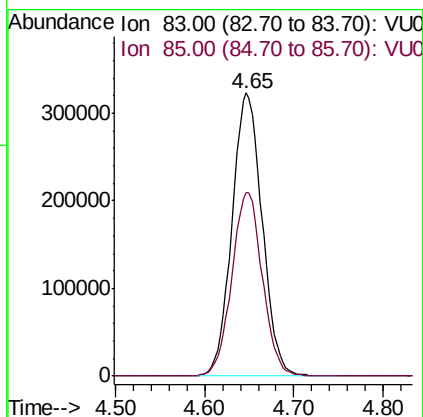
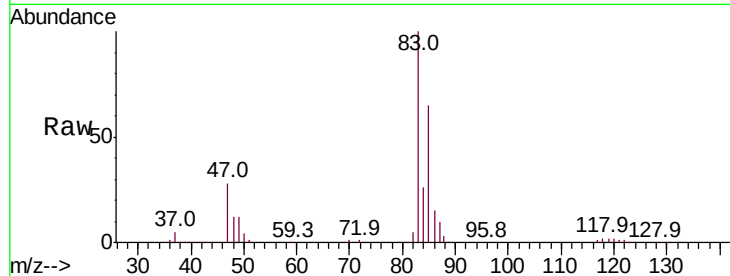
Ion 51.00 (50.70 to 51.70): VU033795.D (-1067) (-)





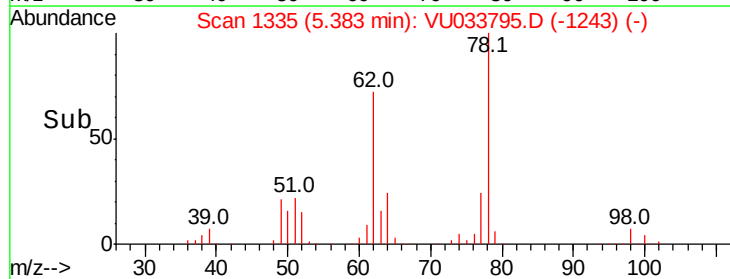
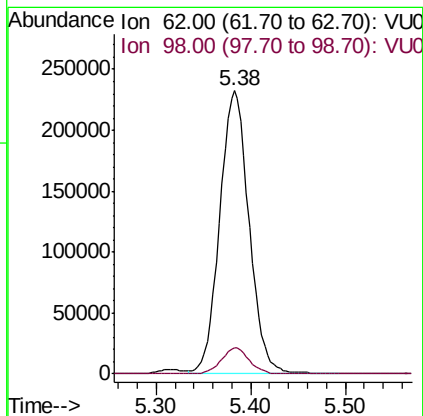
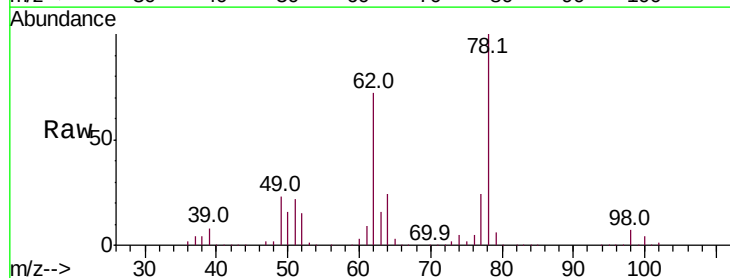
#25
Chloroform
Concen: 18.105 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

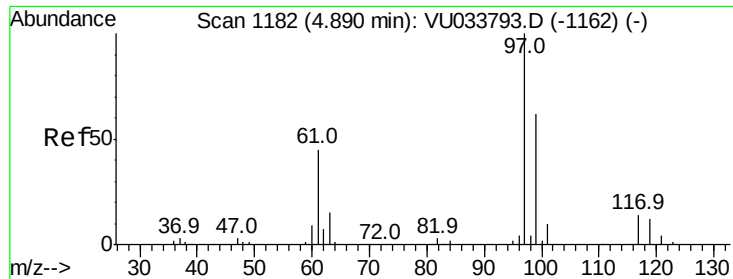
Tot Ion: 83 Resp: 756697
Ion Ratio Lower Upper
83 100
85 64.8 44.2 82.0



#27
1,2-Dichloroethane
Concen: 19.385 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

Tgt Ion: 62 Resp: 499207
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 19.549 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

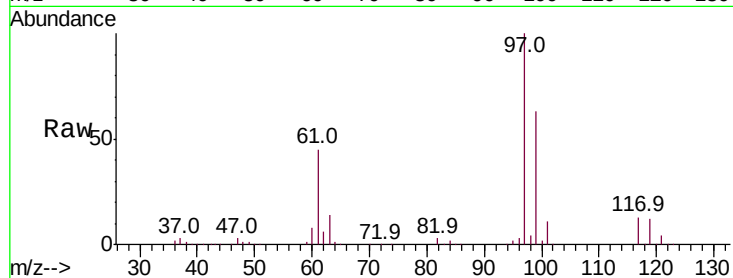
Tot Ion: 97 Resp: 654042

Ion Ratio Lower Upper

97 100

99 63.5 50.8 76.2

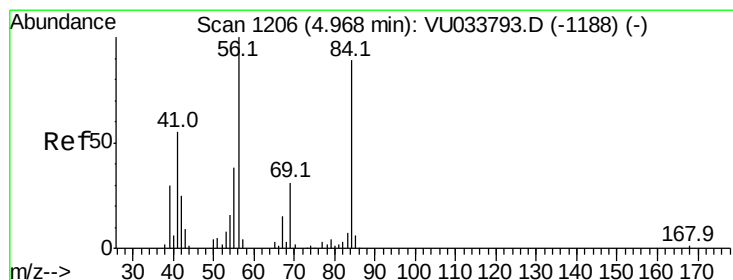
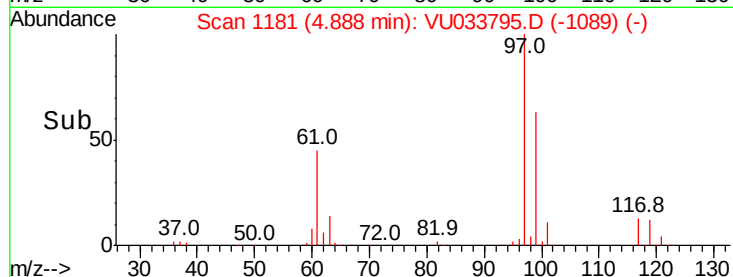
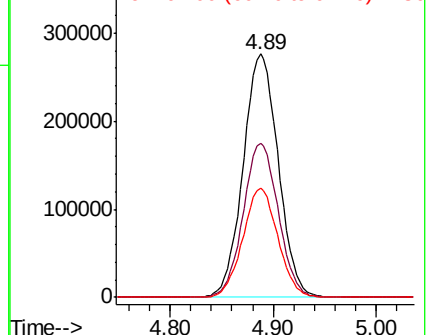
61 44.9 37.4 56.0



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: 22.532 ug/L

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

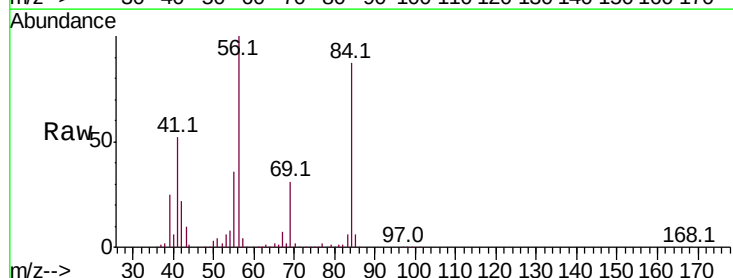
Tgt Ion: 56 Resp: 682266

Ion Ratio Lower Upper

56 100

69 31.0 25.2 37.8

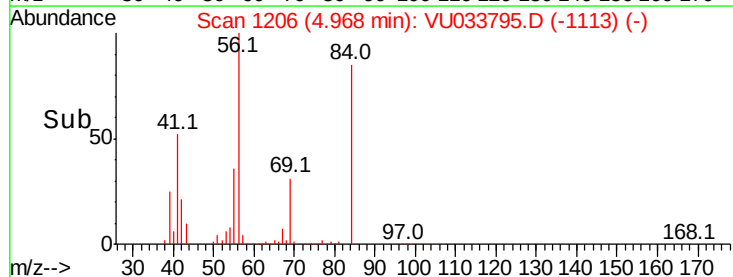
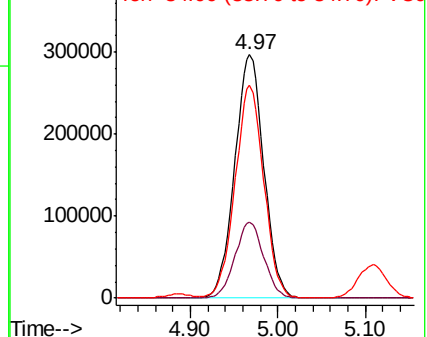
84 86.5 69.8 104.6

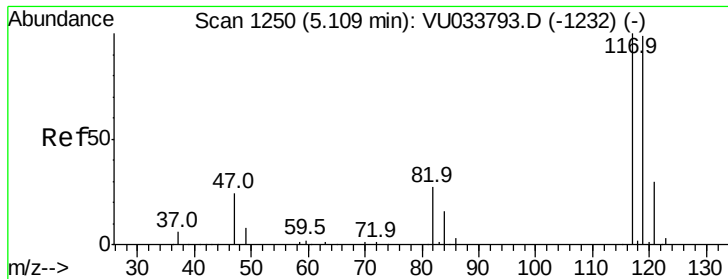


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

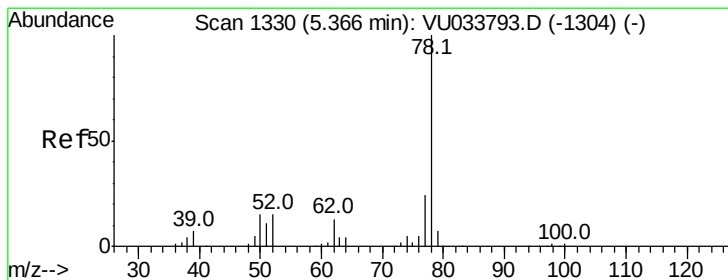
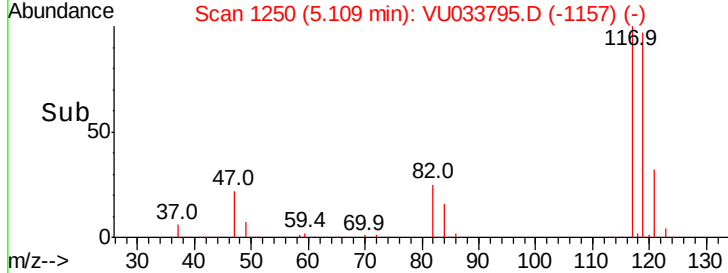
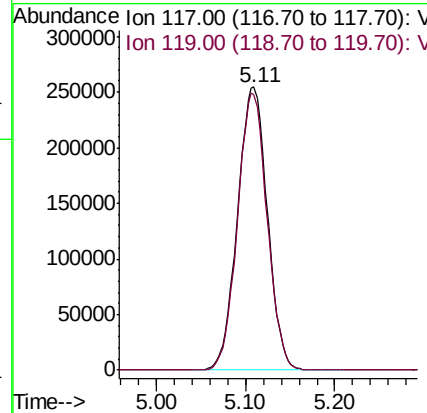
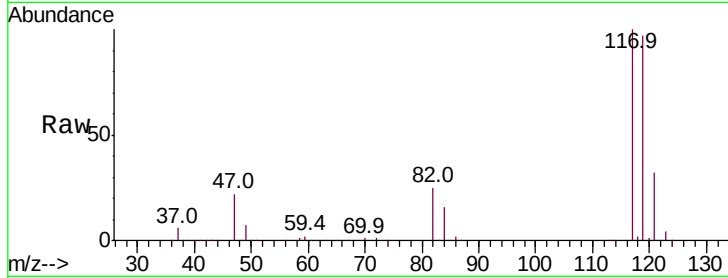
Ion 84.00 (83.70 to 84.70): VU0





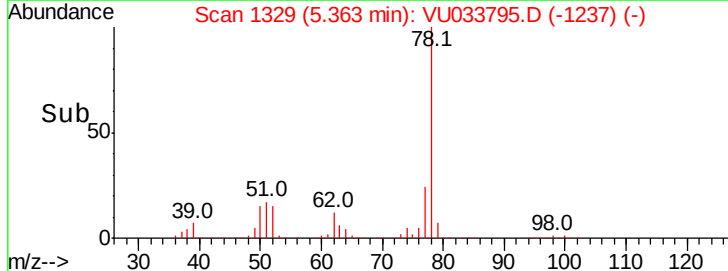
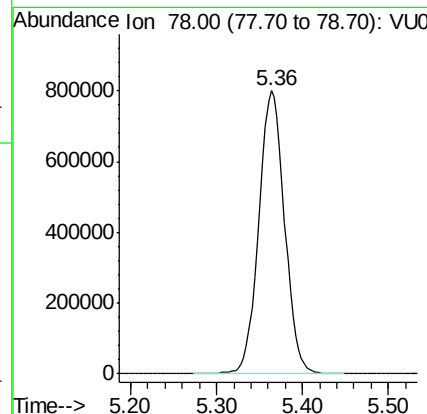
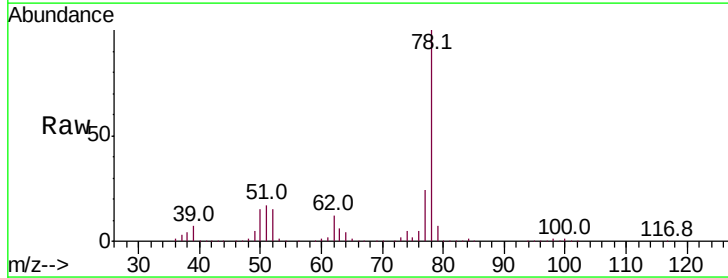
#31
Carbon tetrachloride
Concen: 19.821 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

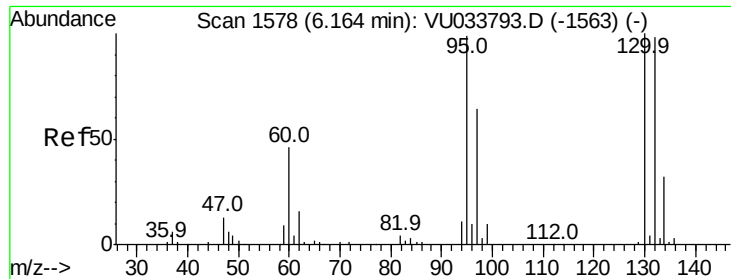
Tot Ion:117 Resp: 590026
Ion Ratio Lower Upper
117 100
119 96.6 78.5 117.7



#33
Benzene
Concen: 20.324 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

Tgt Ion: 78 Resp: 1671183





#34

Trichloroethene

Concen: 20.167 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

Tot Ion: 95 Resp: 434921

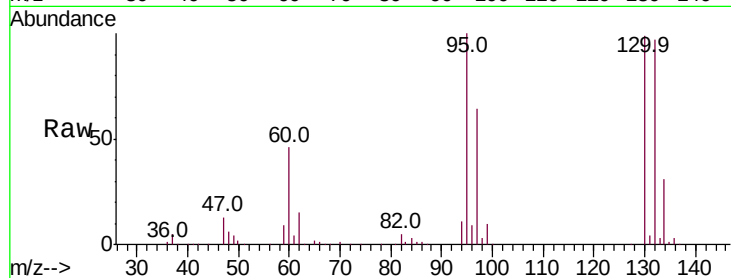
Ion Ratio Lower Upper

95 100

97 64.0 45.4 84.4

132 97.2 68.9 127.9

130 99.4 70.5 130.9

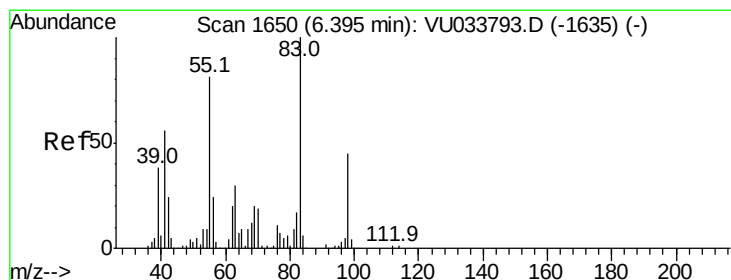
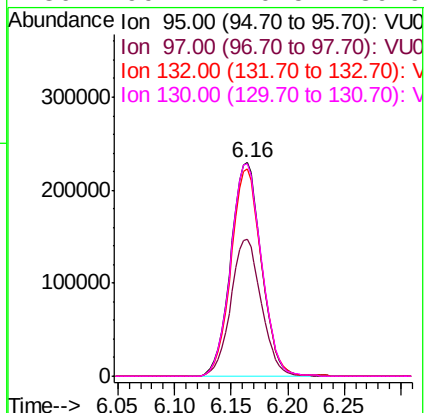
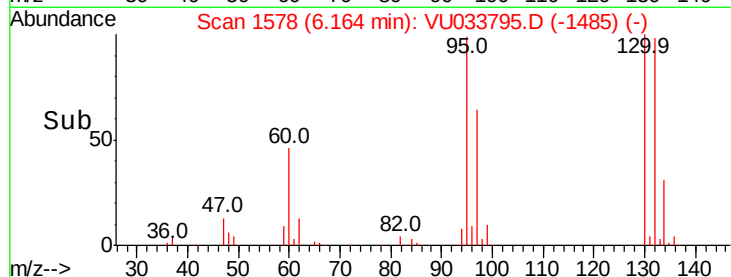


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 23.191 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

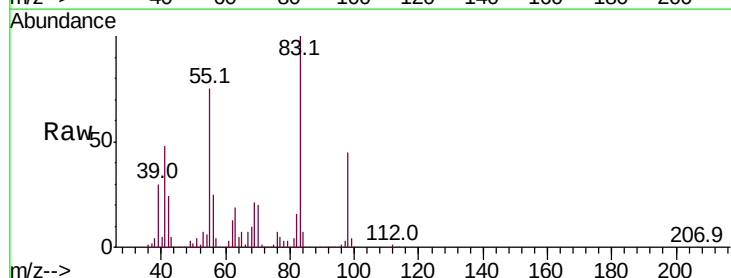
Tgt Ion: 83 Resp: 749856

Ion Ratio Lower Upper

83 100

55 75.1 65.0 97.6

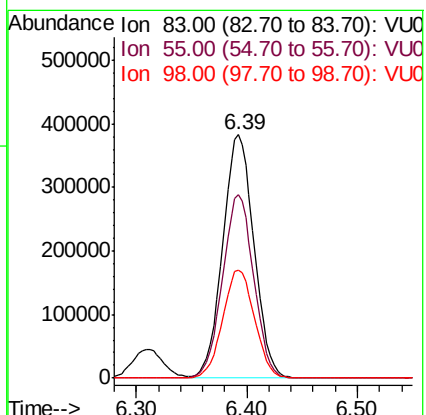
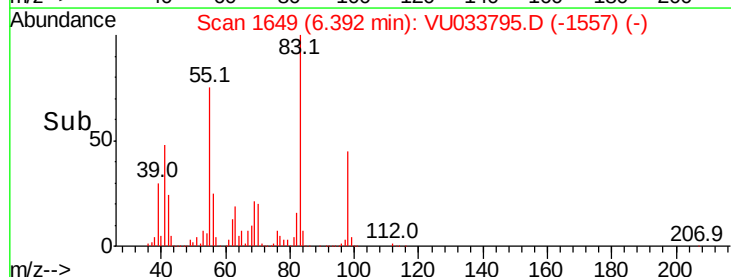
98 45.3 36.2 54.4

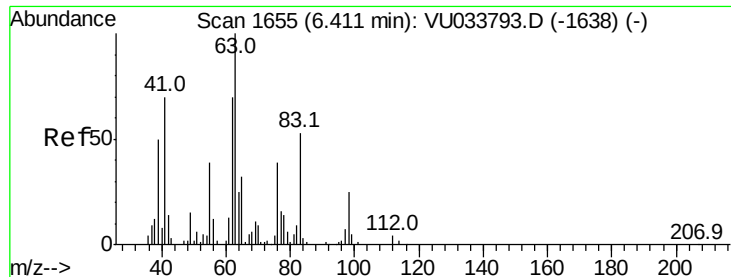


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 19.855 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033795.D

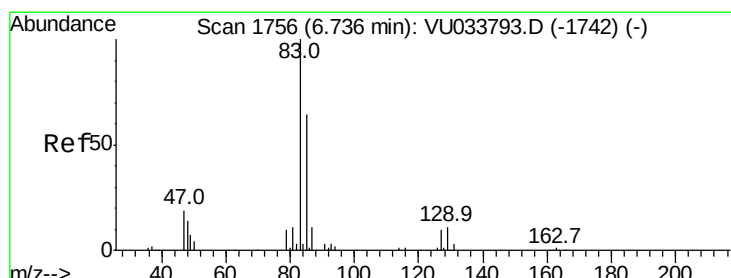
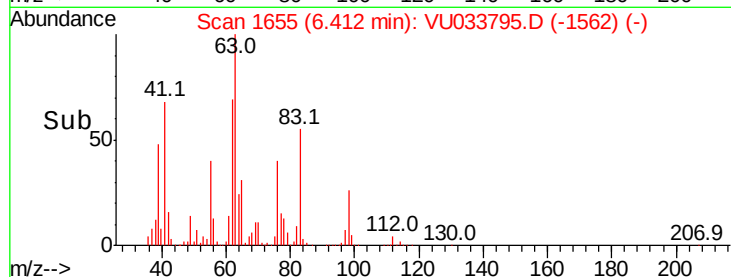
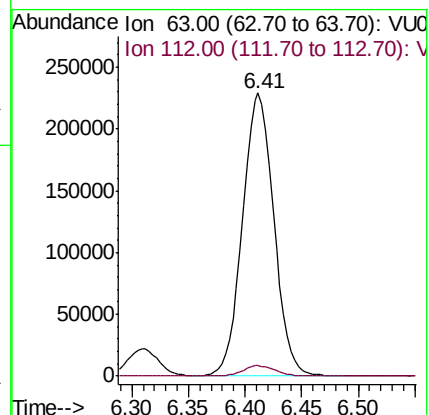
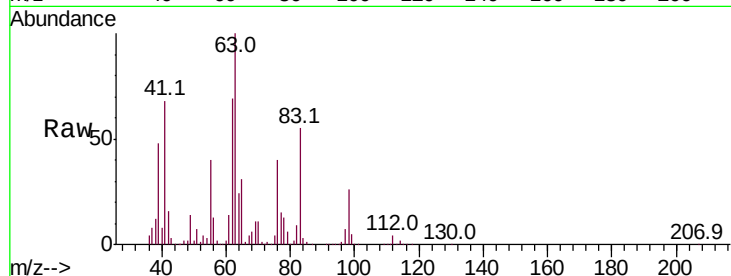
Acq: 14 Aug 2019 11:38

Tot Ion: 63 Resp: 441158

Ion Ratio Lower Upper

63 100

112 3.7 3.3 4.9



#38

Bromodichloromethane

Concen: 19.655 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

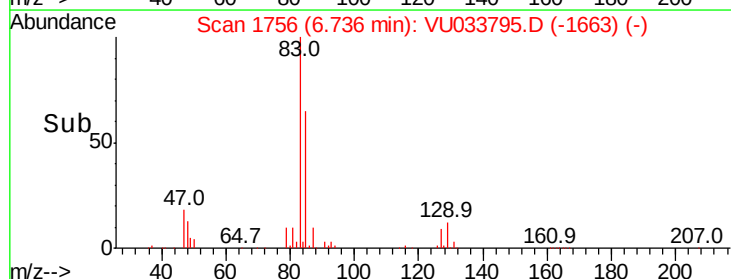
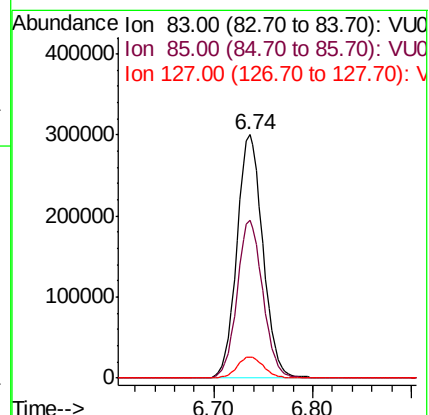
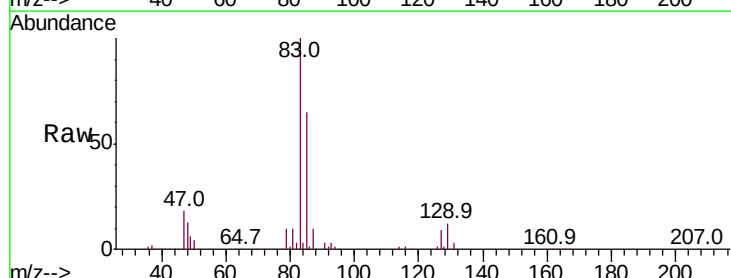
Tgt Ion: 83 Resp: 550709

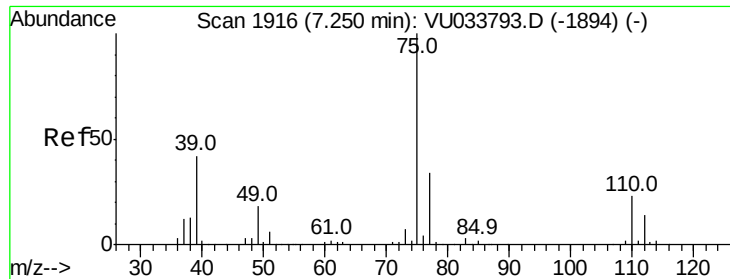
Ion Ratio Lower Upper

83 100

85 64.9 45.0 83.6

127 8.7 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 22.520 ug/L

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU033795.D

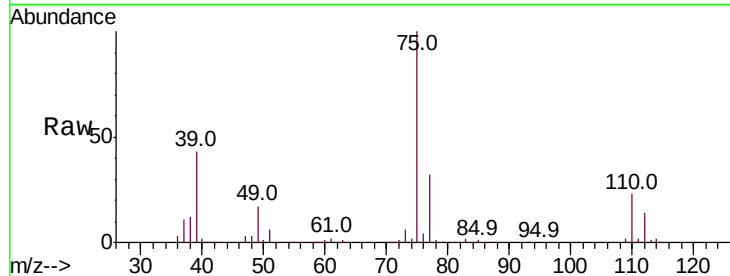
Acq: 14 Aug 2019 11:38

Tot Ion: 75 Resp: 675257

Ion Ratio Lower Upper

75 100

77 32.4 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VU033795.D (-1894) (-)

Ion 77.00 (76.70 to 77.70): VU033795.D (-1894) (-)

7.25

400000

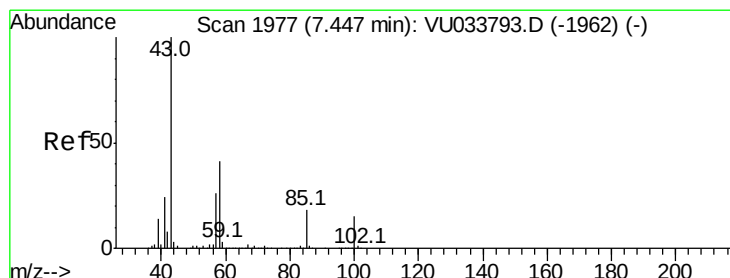
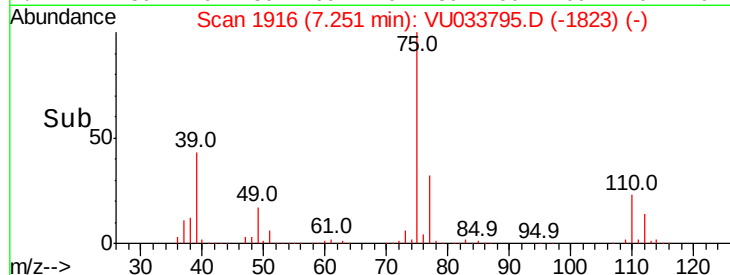
300000

200000

100000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 222.628 ug/L

RT: 7.45 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

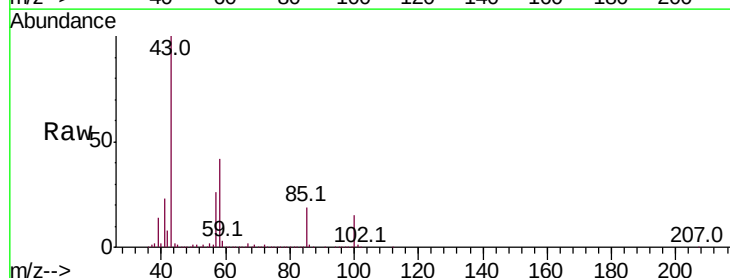
Tgt Ion: 43 Resp: 2858571

Ion Ratio Lower Upper

43 100

58 41.5 32.2 48.4

100 15.5 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VU033795.D (-1884) (-)

Ion 58.00 (57.70 to 58.70): VU033795.D (-1884) (-)

Ion 100.00 (99.70 to 100.70): VU033795.D (-1884) (-)

7.45

2000000

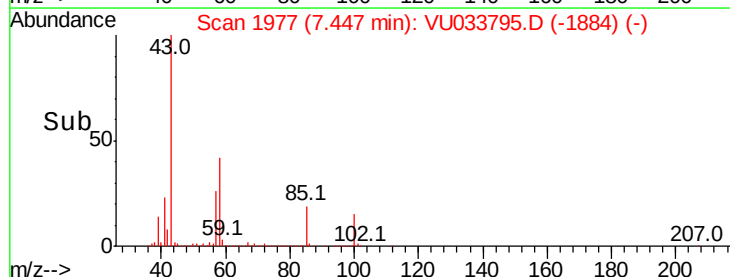
1500000

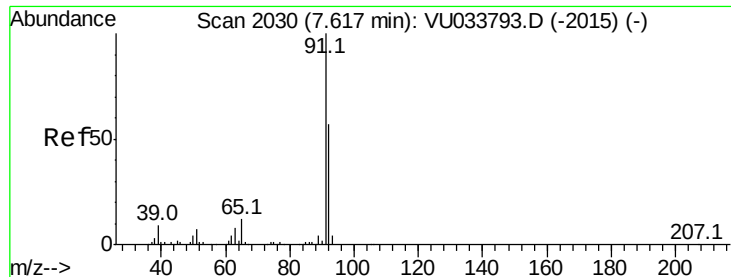
1000000

500000

0

Time-->





#42

Toluene

Concen: 21.515 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033795.D

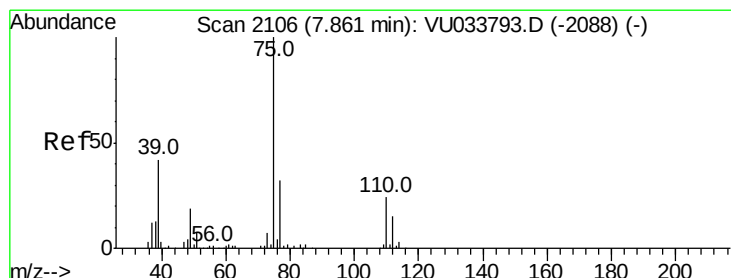
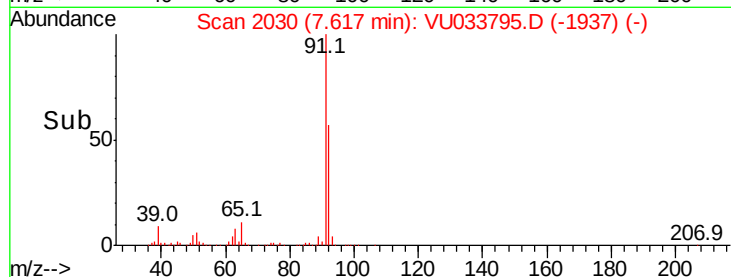
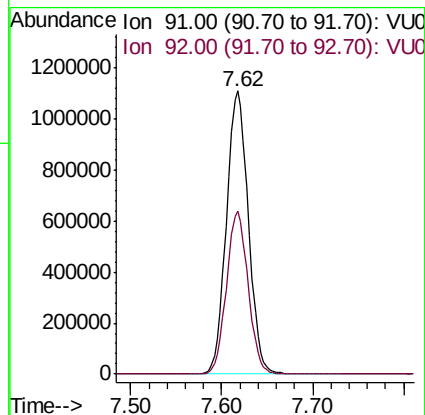
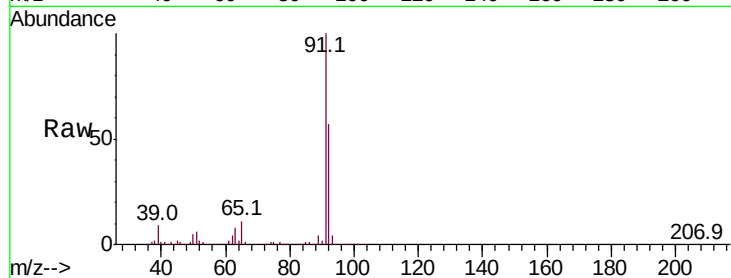
Acq: 14 Aug 2019 11:38

Tot Ion: 91 Resp: 1859016

Ion Ratio Lower Upper

91 100

92 57.4 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 21.992 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033795.D

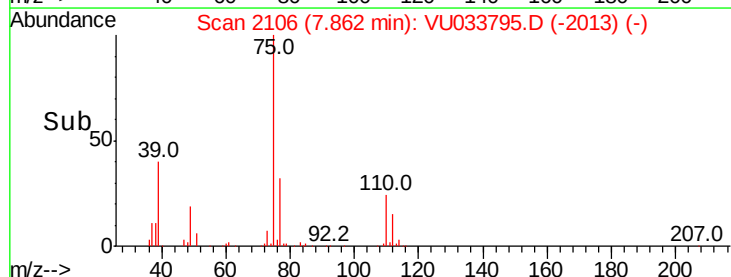
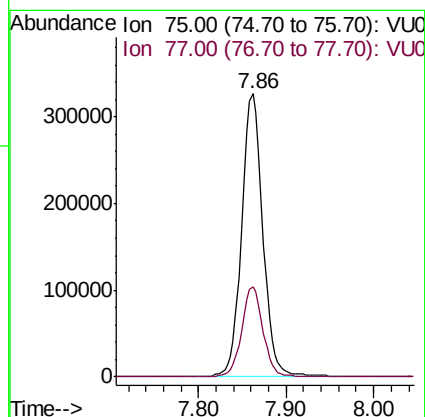
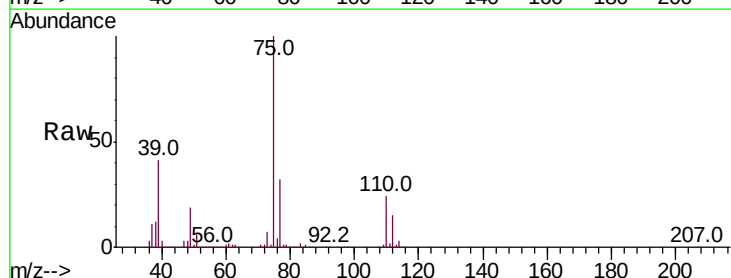
Acq: 14 Aug 2019 11:38

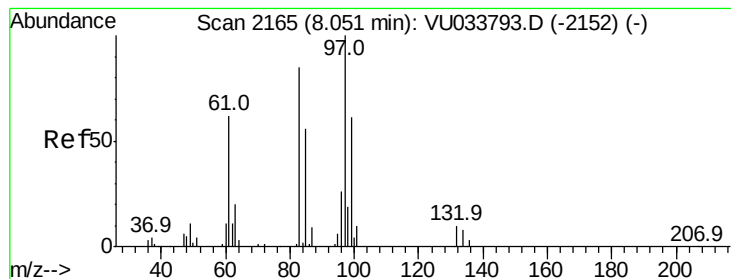
Tgt Ion: 75 Resp: 551298

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 19.783 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

Tot Ion: 97 Resp: 314081

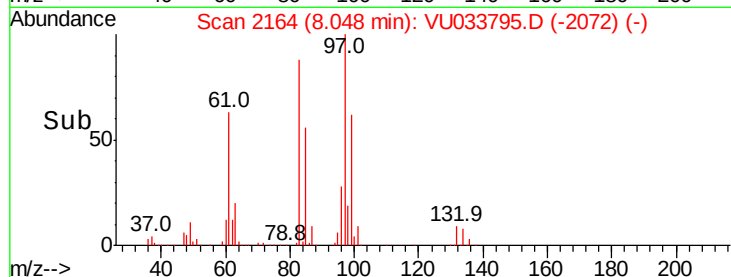
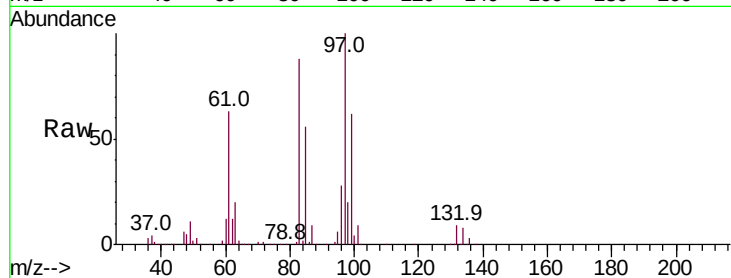
Ion	Ratio	Lower	Upper
97	100		
99	62.2	42.6	79.0
83	88.0	59.8	111.1
85	56.2	39.3	72.9

97 100

99 62.2 42.6 79.0

83 88.0 59.8 111.1

85 56.2 39.3 72.9

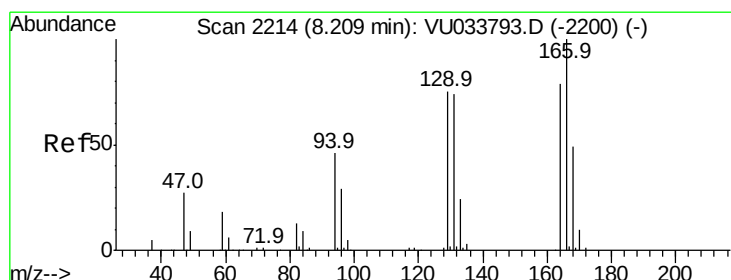
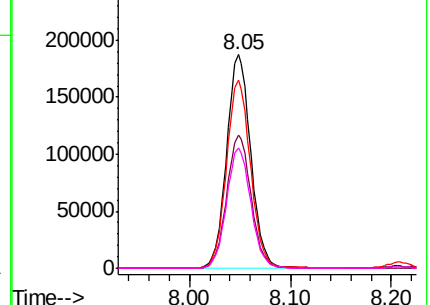


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 20.004 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

Tgt Ion: 164 Resp: 359634

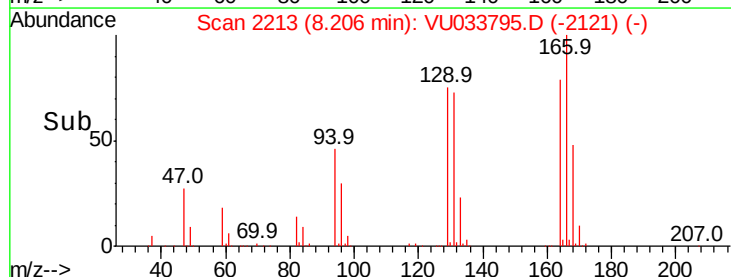
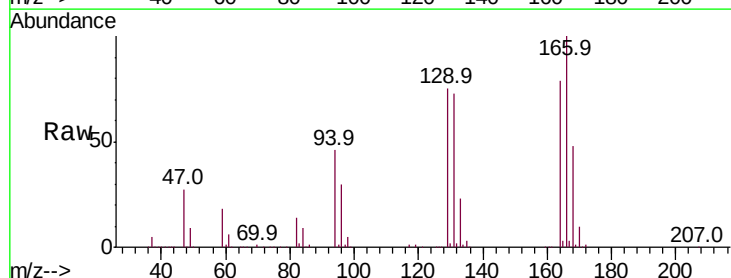
Ion	Ratio	Lower	Upper
164	100		
129	94.4	66.1	122.7
131	92.6	65.2	121.2
166	126.1	88.5	164.4

164 100

129 94.4 66.1 122.7

131 92.6 65.2 121.2

166 126.1 88.5 164.4

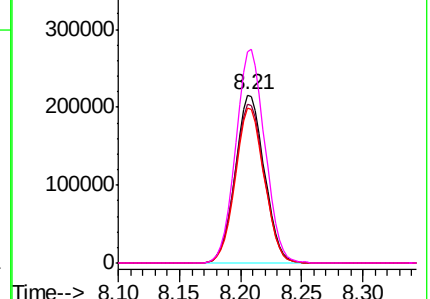


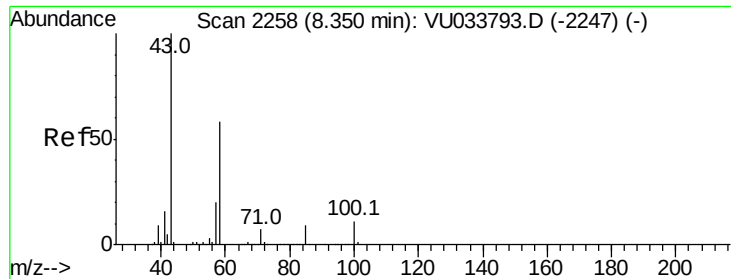
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

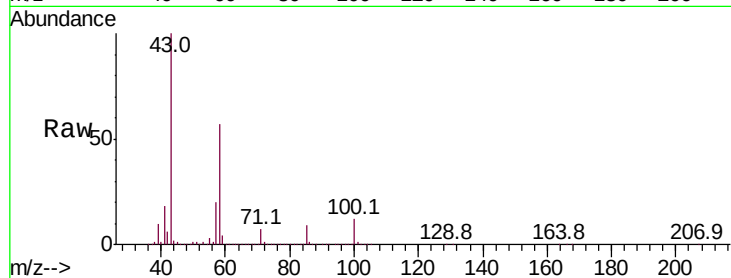




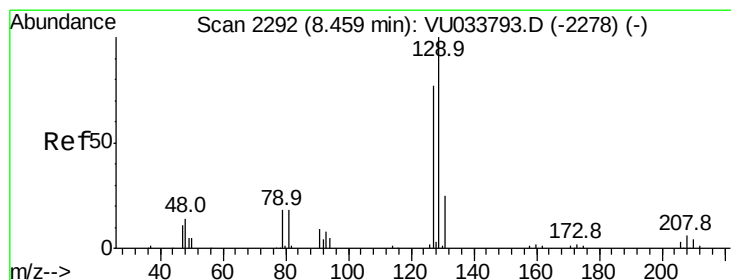
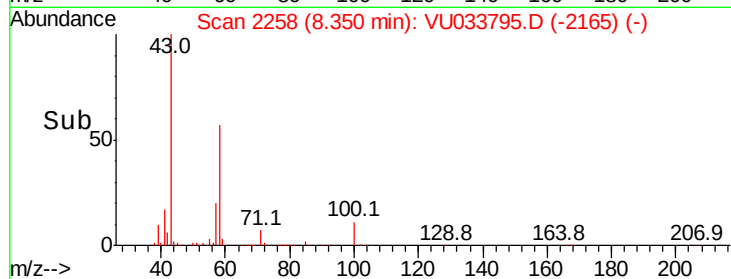
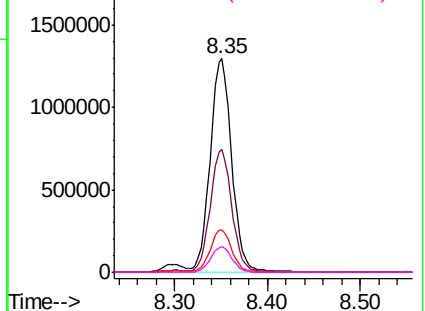
#48
2-Hexanone
Concen: 224.298 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

Tot Ion: 43 Resp: 2082845

Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.2	67.8
57	19.9	15.7	23.5
100	11.8	8.6	13.0



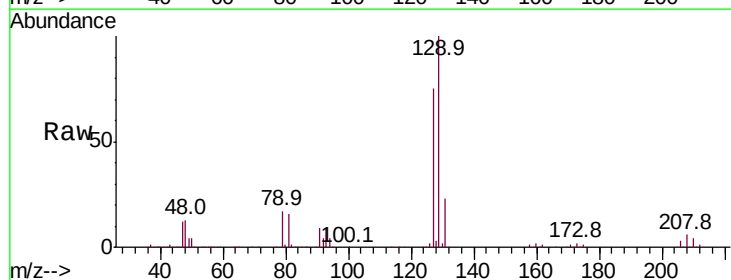
Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0



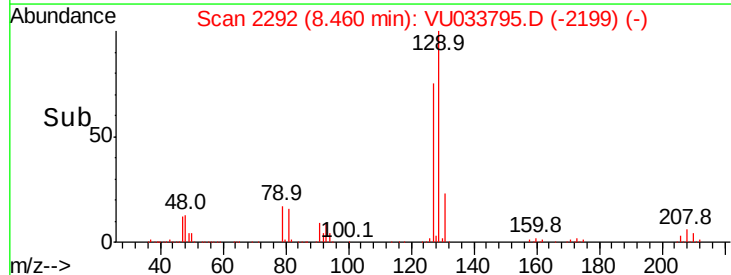
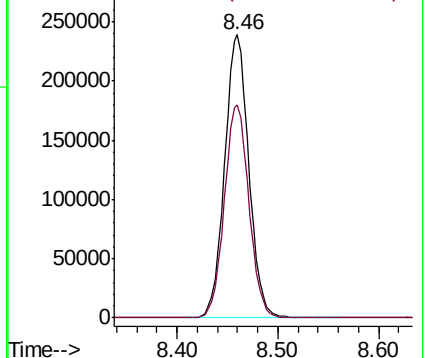
#49
Dibromochloromethane
Concen: 20.769 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

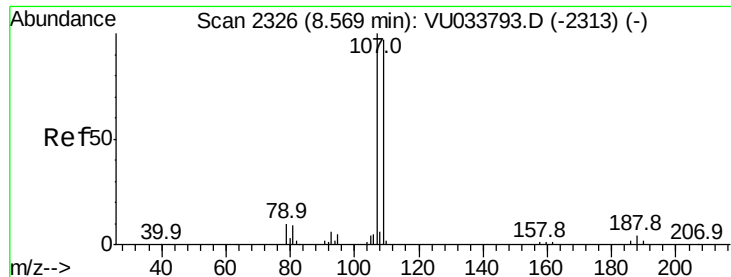
Tgt Ion: 129 Resp: 399847

Ion	Ratio	Lower	Upper
129	100		
127	75.2	54.2	100.6



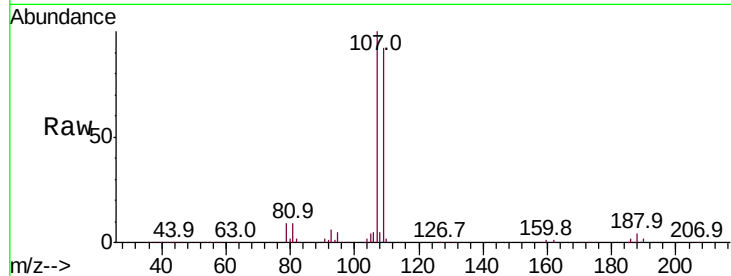
Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



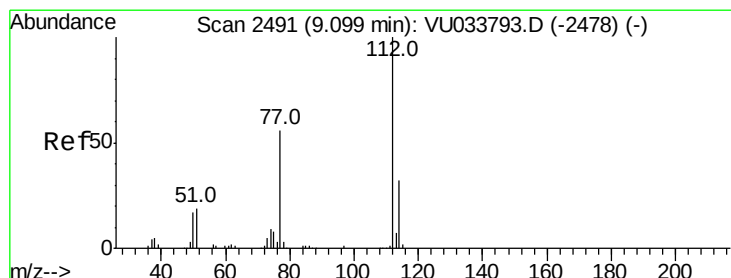
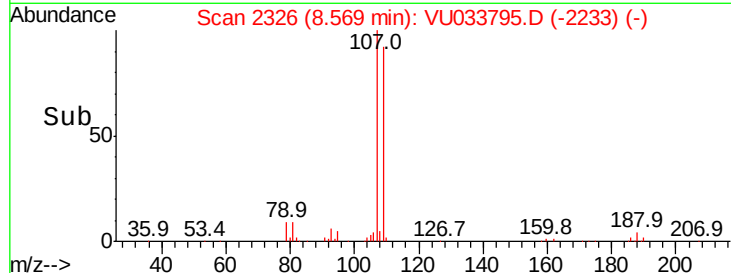
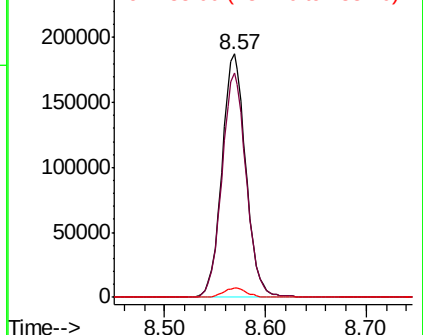


#50
1,2-Dibromoethane
Concen: 20.205 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	68.3	126.8
188	3.7	3.0	4.6

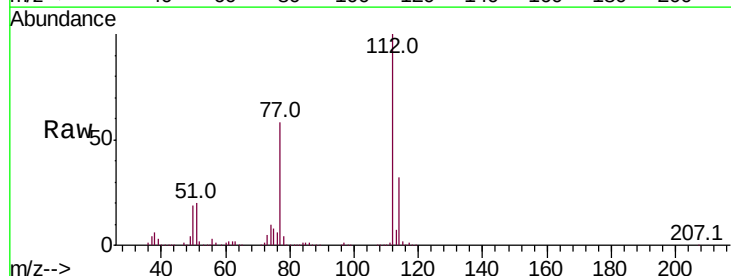


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

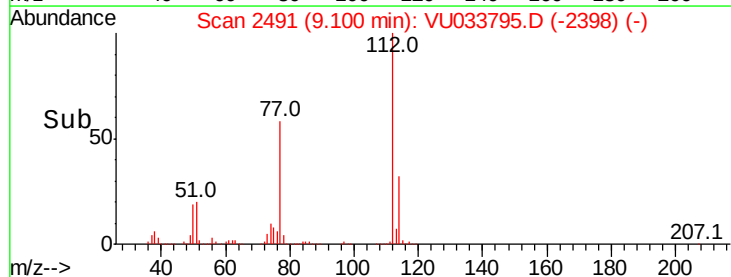
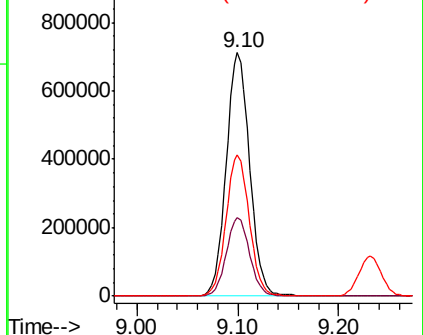


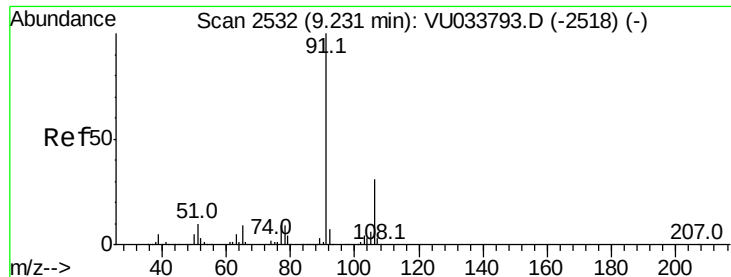
#51
Chlorobenzene
Concen: 20.807 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.5	41.7
77	58.1	45.3	67.9



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





#52

Ethylbenzene

Concen: 23.097 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033795.D

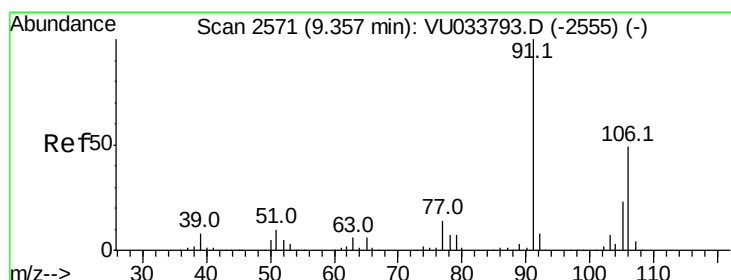
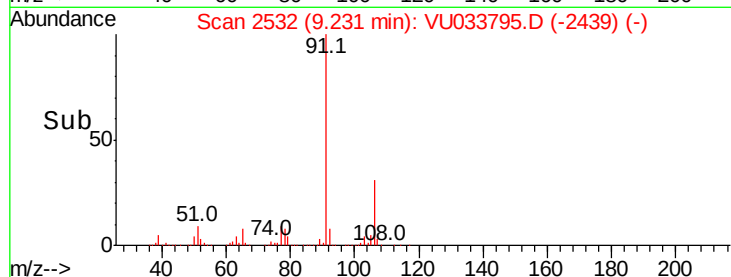
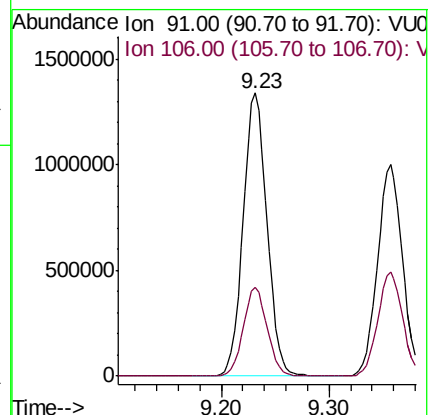
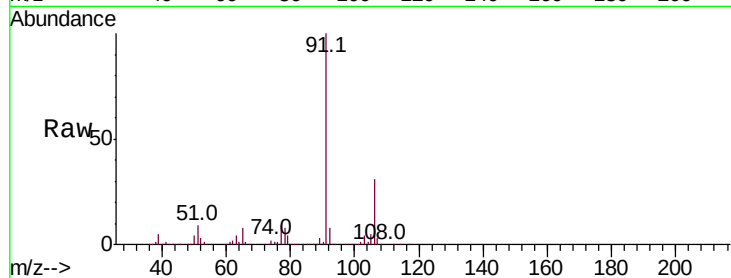
Acq: 14 Aug 2019 11:38

Tot Ion: 91 Resp: 2065463

Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.0



#53

m,p-Xylene

Concen: 23.253 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033795.D

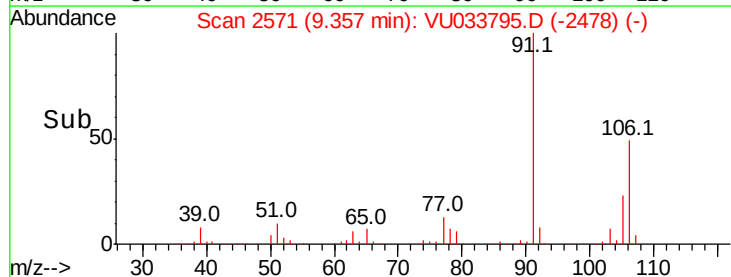
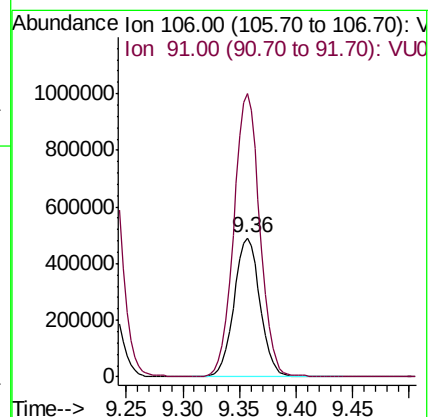
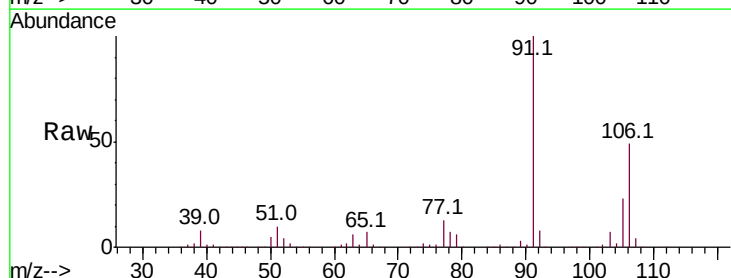
Acq: 14 Aug 2019 11:38

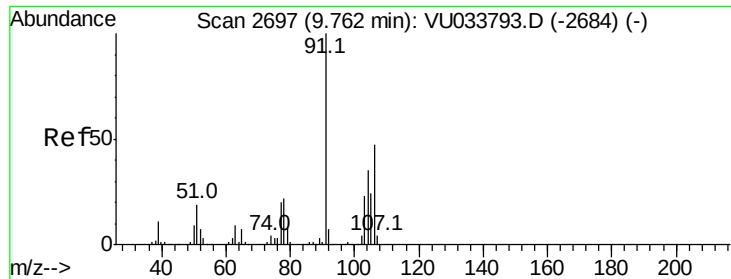
Tgt Ion: 106 Resp: 784150

Ion Ratio Lower Upper

106 100

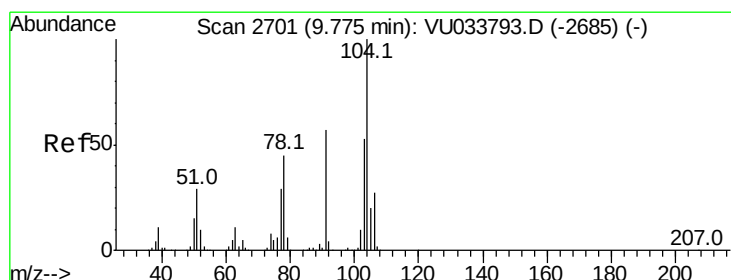
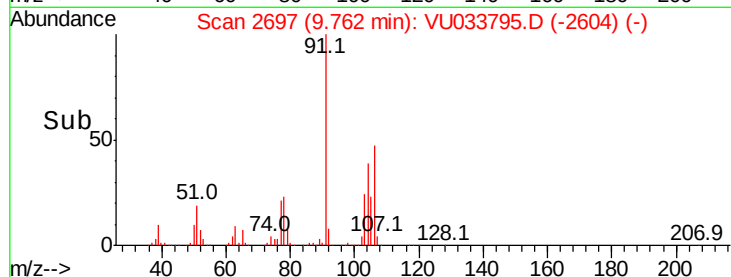
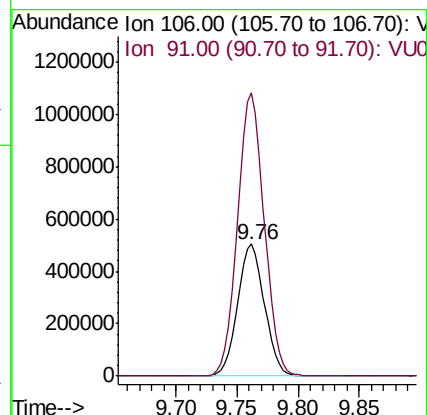
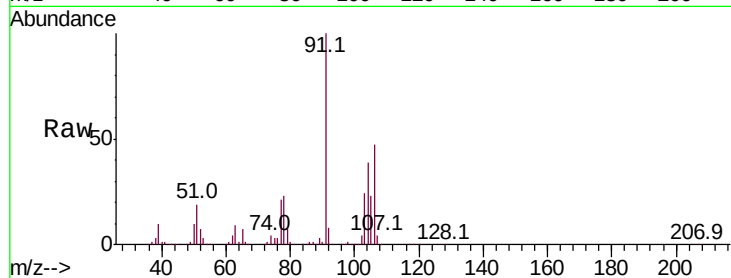
91 203.2 142.7 265.1





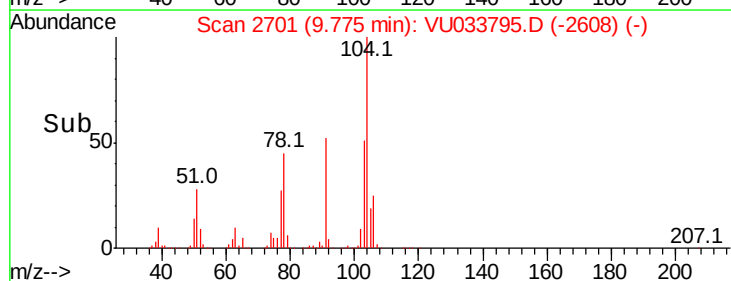
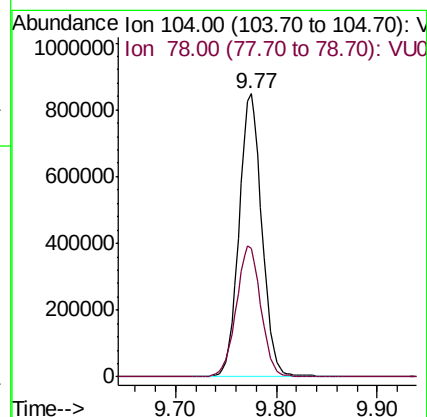
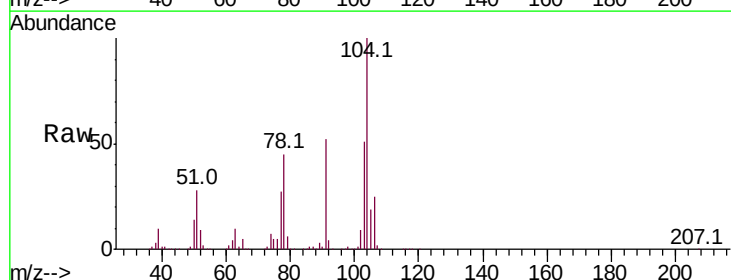
#54
o-Xylene
Concen: 24.044 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

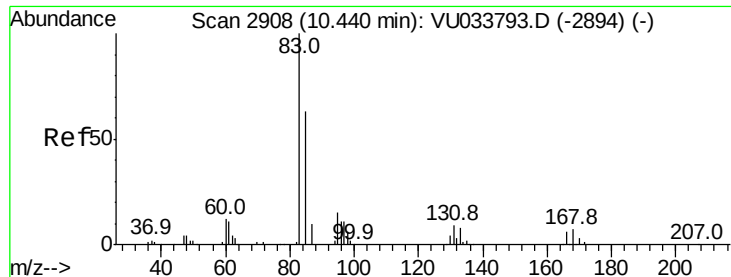
Tot Ion:106 Resp: 769810
Ion Ratio Lower Upper
106 100
91 214.8 149.5 277.7



#55
Styrene
Concen: 23.985 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

Tgt Ion:104 Resp: 1332521
Ion Ratio Lower Upper
104 100
78 45.4 31.8 59.0





#57

1,1,2,2-Tetrachloroethane

Concen: 19.826 ug/L

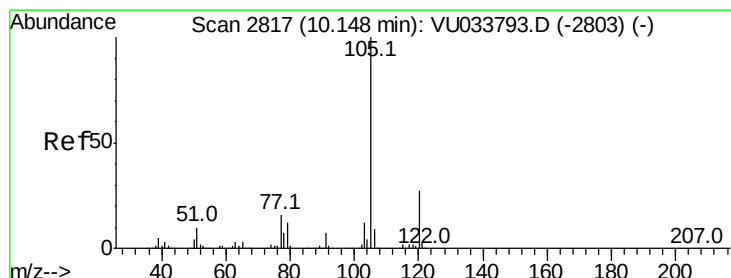
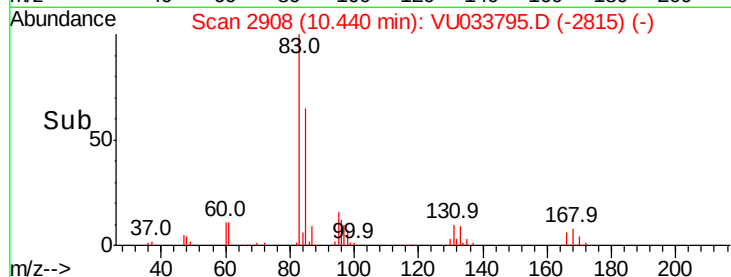
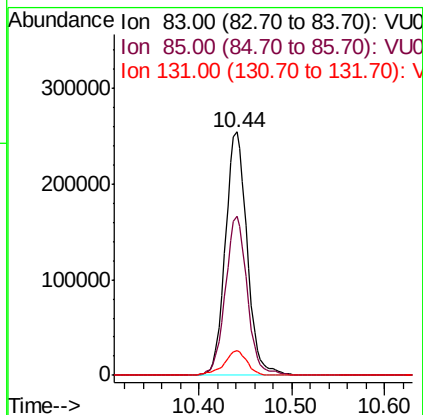
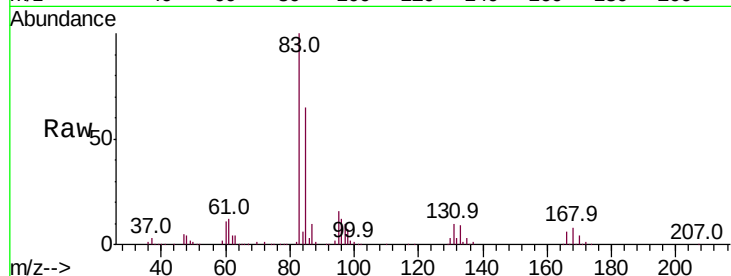
RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

Tot Ion:	83	Resp:	413467
Ion	Ratio	Lower	Upper
83	100		
85	65.4	44.4	82.4
131	10.2	7.6	11.4



#59

Isopropylbenzene

Concen: 22.794 ug/L

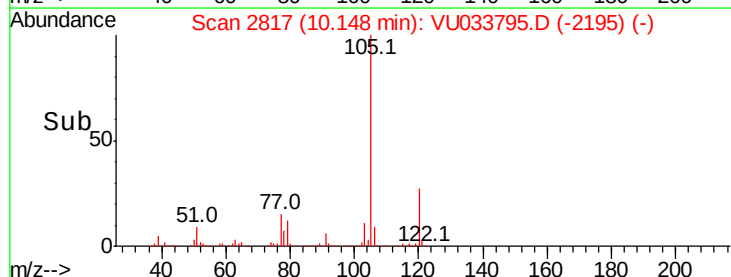
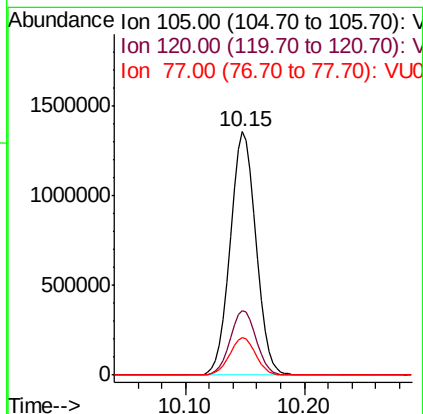
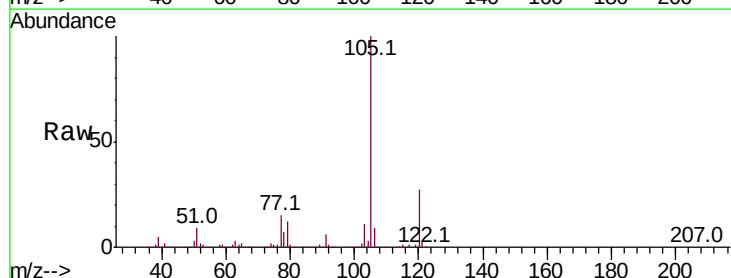
RT: 10.15 min Scan# 2817

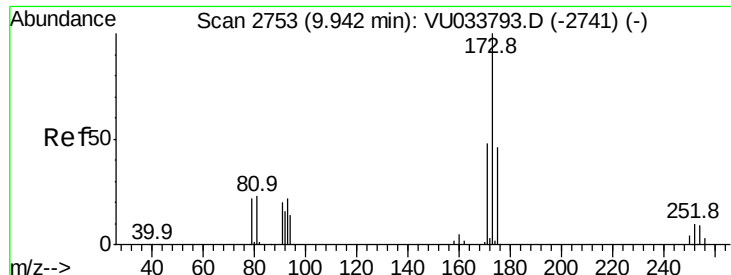
Delta R.T. 0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

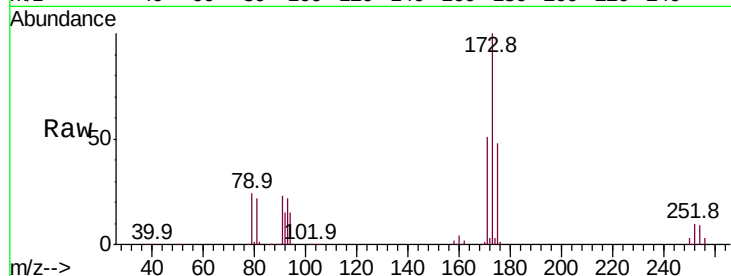
Tgt Ion:	105	Resp:	2028892
Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.5	32.3
77	15.6	12.8	19.2



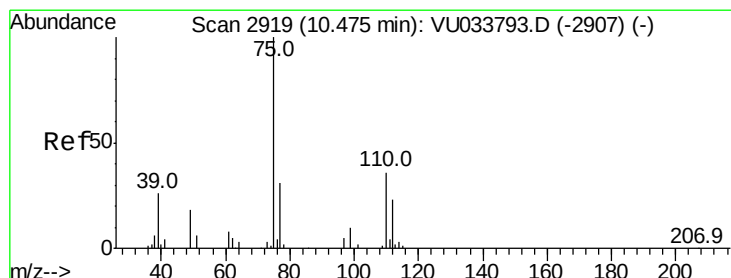
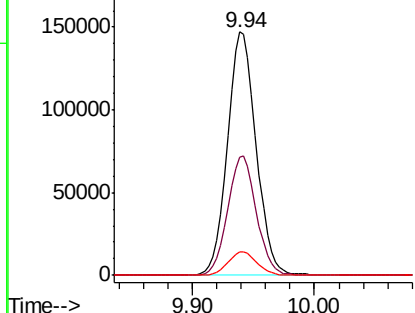
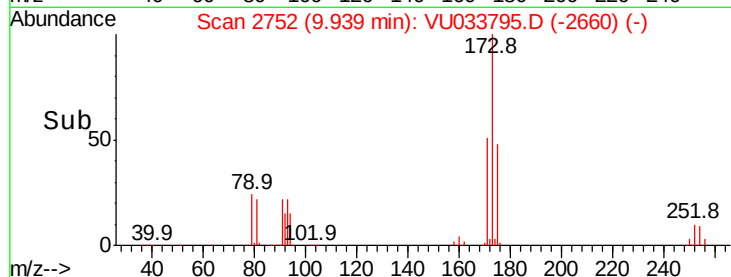


#60
Bromoform
Concen: 20.273 ug/L
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	36.6	55.0
254	9.8	7.0	10.4

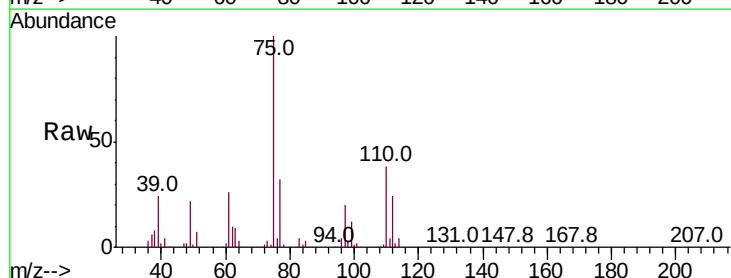


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

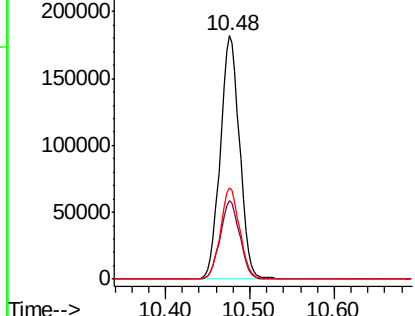
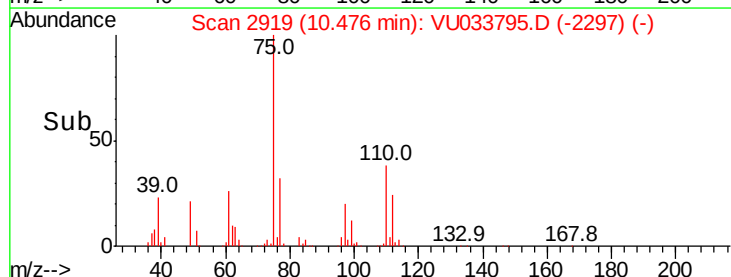


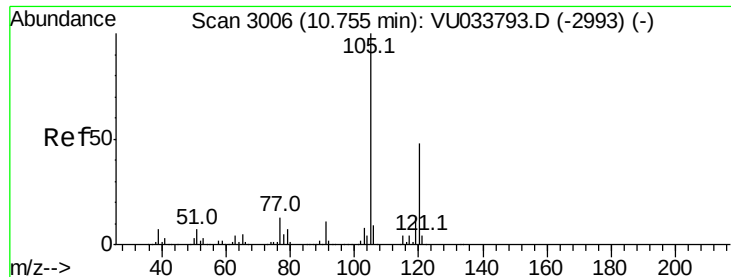
#61
1,2,3-Trichloropropane
Concen: 5.731 ug/L
RT: 10.48 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.6
110	37.1	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

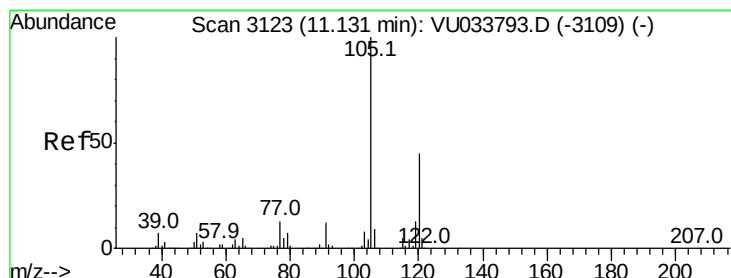
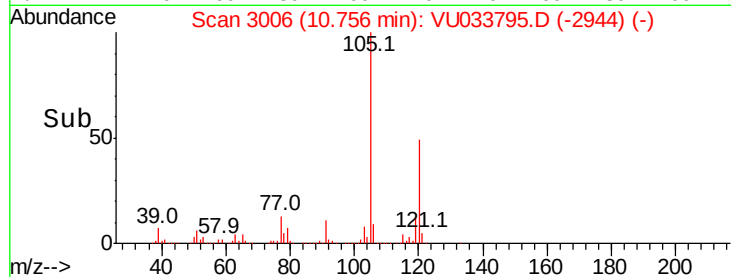
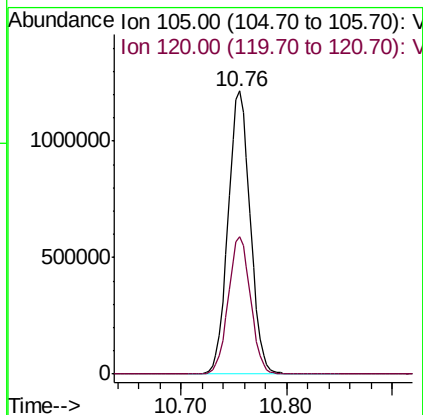
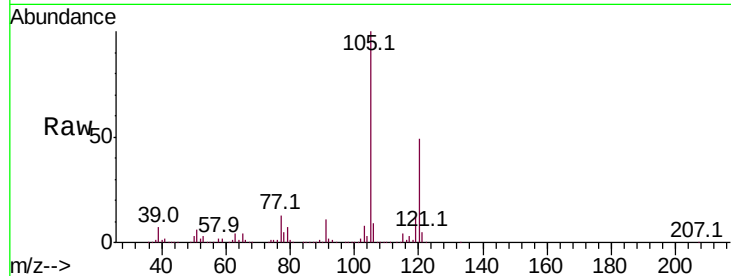




#62

1,3,5-Trimethylbenzene
Concen: 24.368 ug/L
RT: 10.76 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

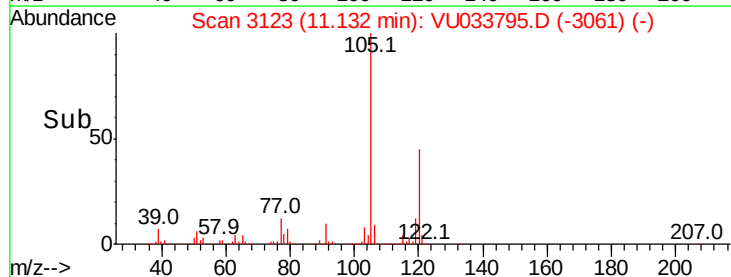
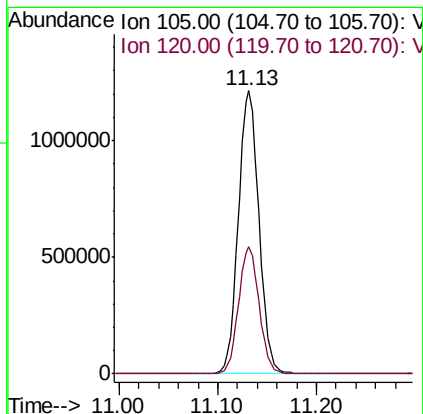
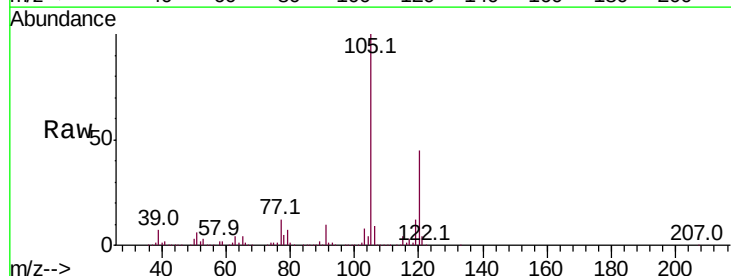
Tot Ion:105 Resp: 1760092
Ion Ratio Lower Upper
105 100
120 48.7 38.6 58.0

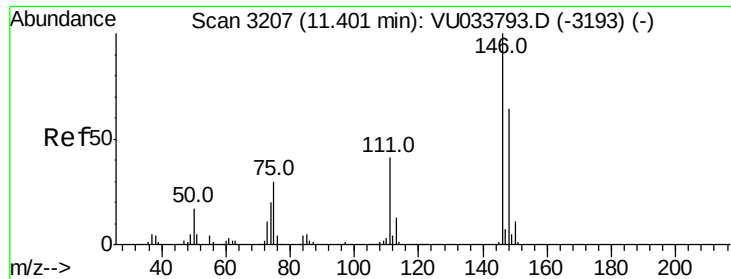


#63

1,2,4-Trimethylbenzene
Concen: 24.318 ug/L
RT: 11.13 min Scan# 3123
Delta R.T. 0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

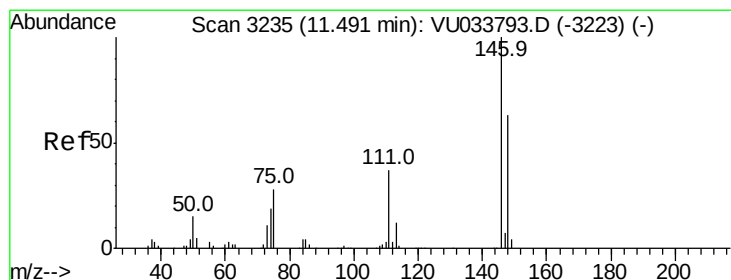
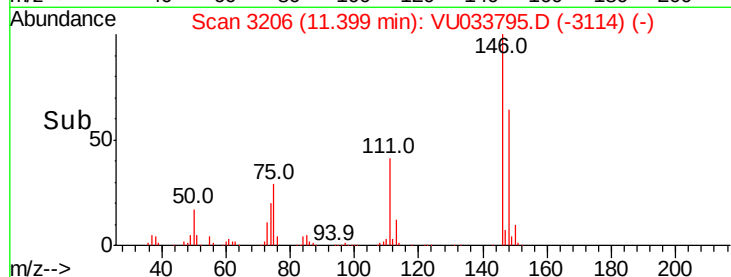
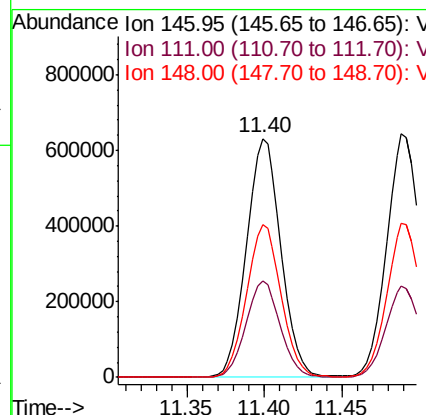
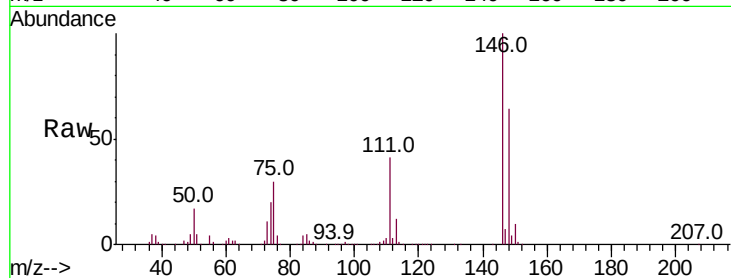
Tgt Ion:105 Resp: 1752643
Ion Ratio Lower Upper
105 100
120 45.0 36.5 54.7





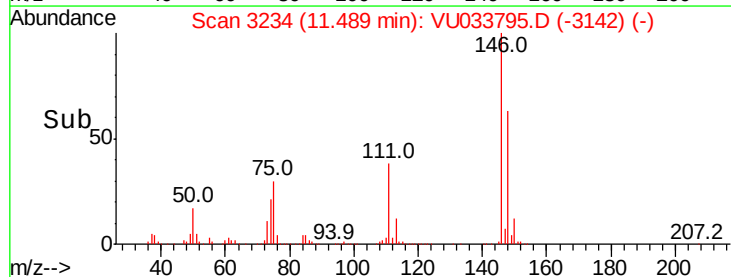
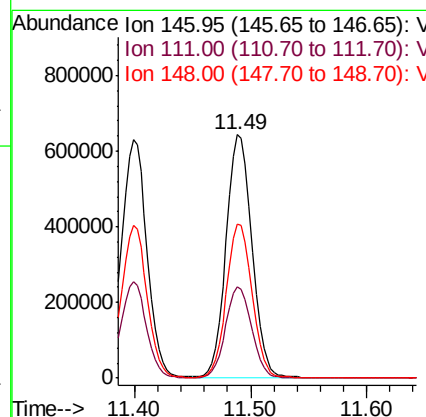
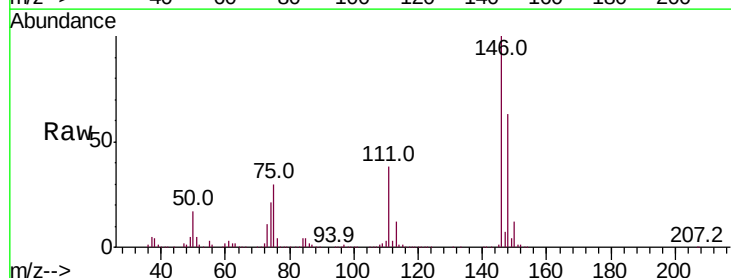
#64
1,3-Dichlorobenzene
Concen: 20.602 ug/L
RT: 11.40 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

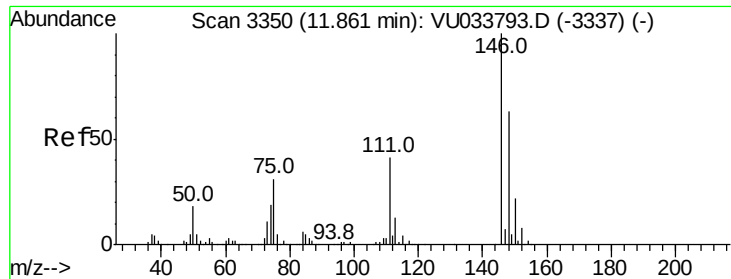
Tot Ion:146 Resp: 980683
Ion Ratio Lower Upper
146 100
111 40.6 28.5 52.9
148 63.9 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 20.283 ug/L
RT: 11.49 min Scan# 3234
Delta R.T. -0.00 min
Lab File: VU033795.D
Acq: 14 Aug 2019 11:38

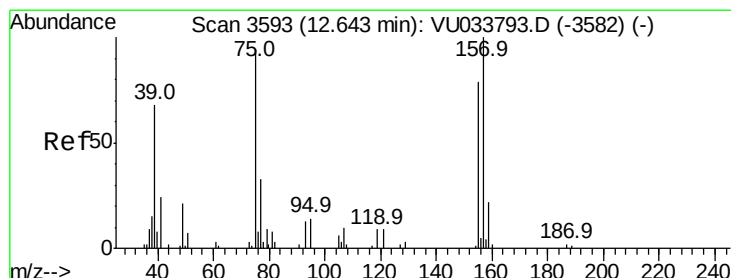
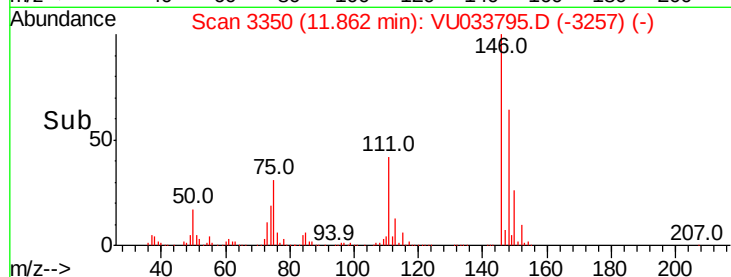
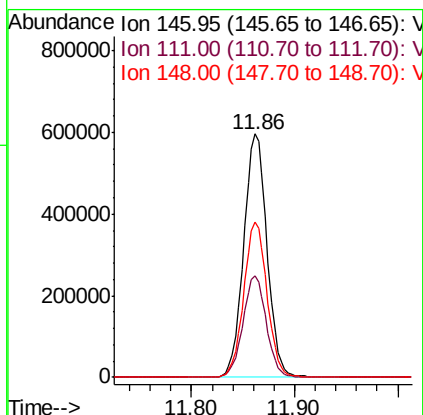
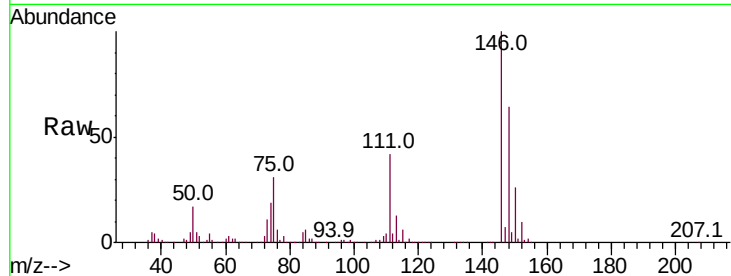
Tgt Ion:146 Resp: 993950
Ion Ratio Lower Upper
146 100
111 37.5 26.2 48.8
148 63.2 44.2 82.0





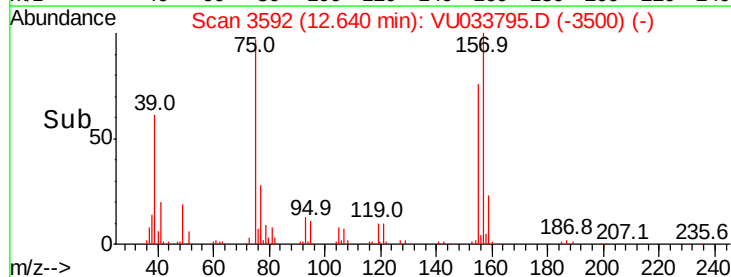
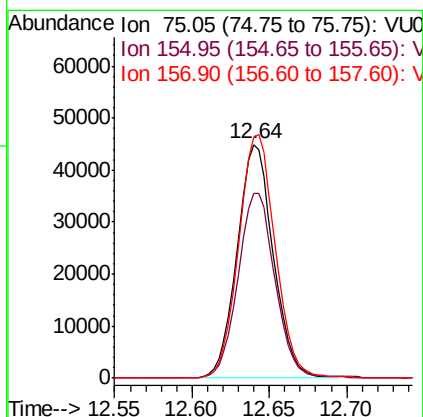
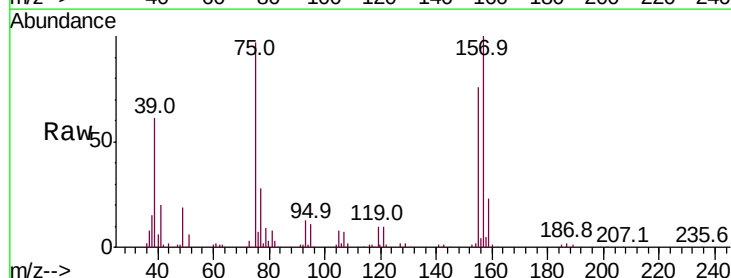
#67
 1,2-Dichlorobenzene
 Concen: 20.334 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033795.D
 Acq: 14 Aug 2019 11:38

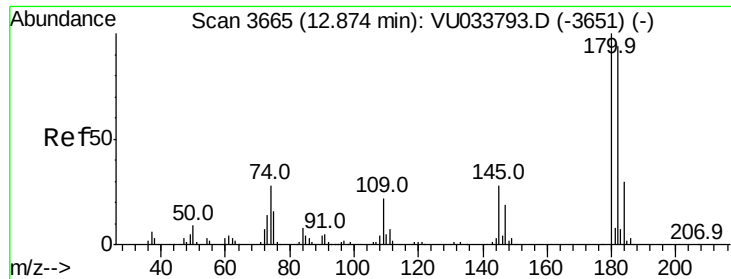
Tot Ion:146 Resp: 934524
 Ion Ratio Lower Upper
 146 100
 111 41.6 32.7 49.1
 148 63.6 50.6 76.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 21.562 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033795.D
 Acq: 14 Aug 2019 11:38

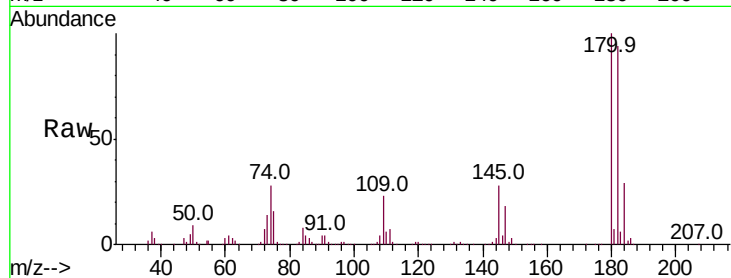
Tgt Ion: 75 Resp: 72977
 Ion Ratio Lower Upper
 75 100
 155 78.9 67.3 100.9
 157 103.3 85.3 127.9



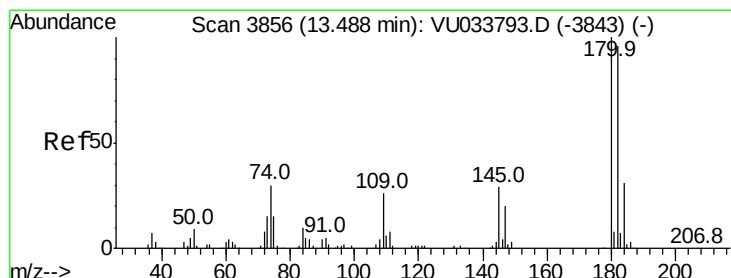
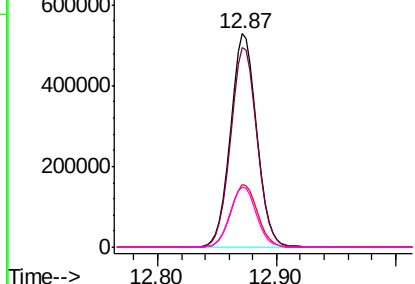
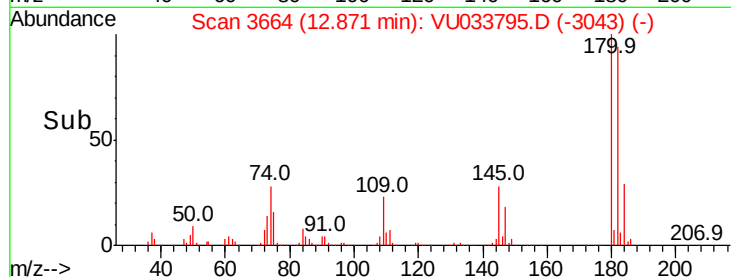


#69
 1,3,5-Trichlorobenzene
 Concen: 21.546 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. -0.00 min
 Lab File: VU033795.D
 Acq: 14 Aug 2019 11:38

Tot Ion:	180	Resp:	806646
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.6	114.8
184	30.2	24.4	36.6
145	28.5	23.3	34.9

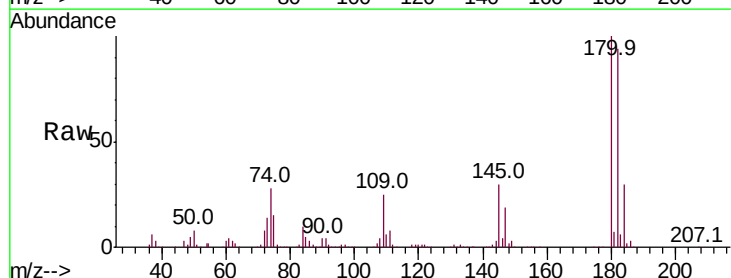


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

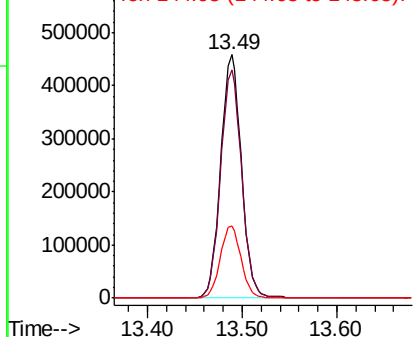
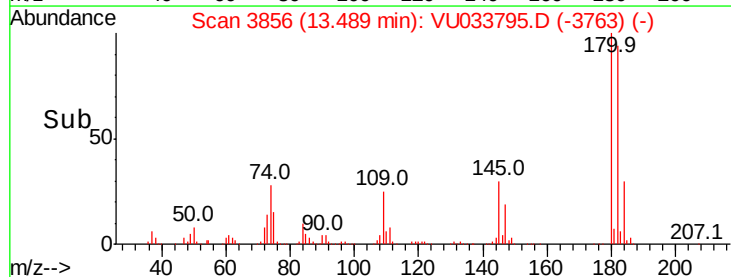


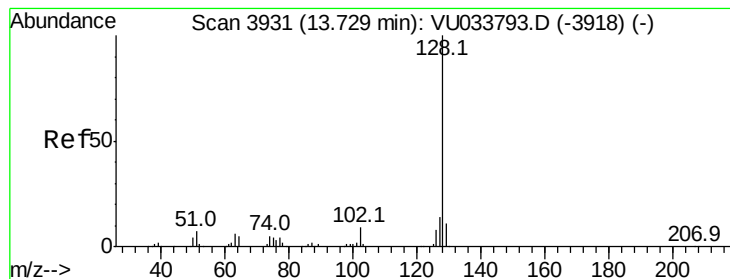
#70
 1,2,4-trichlorobenzene
 Concen: 24.048 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033795.D
 Acq: 14 Aug 2019 11:38

Tgt Ion:	180	Resp:	700680
Ion	Ratio	Lower	Upper
180	100		
182	95.0	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: 27.913 ug/L

RT: 13.73 min Scan# 3930

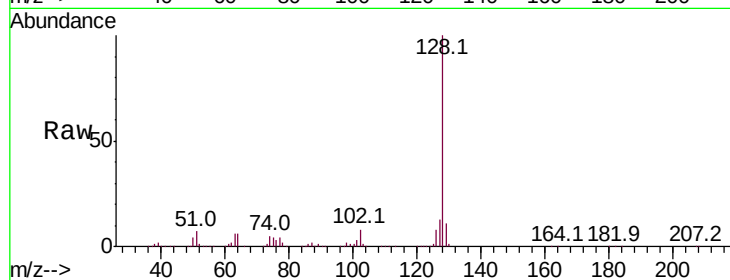
Delta R.T. -0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

Tot Ion:128 Resp: 1252417

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.5	12.7
127	13.3	11.2	16.8

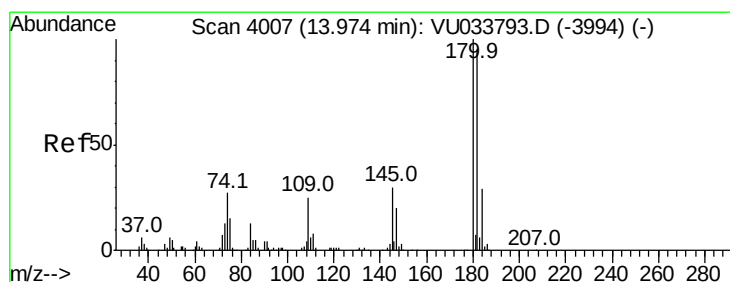
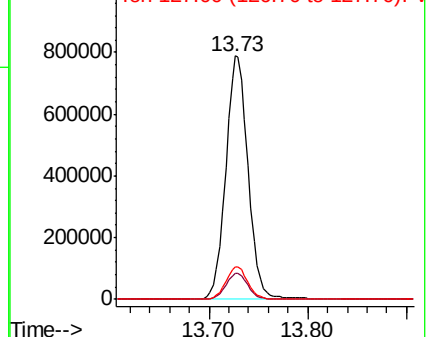
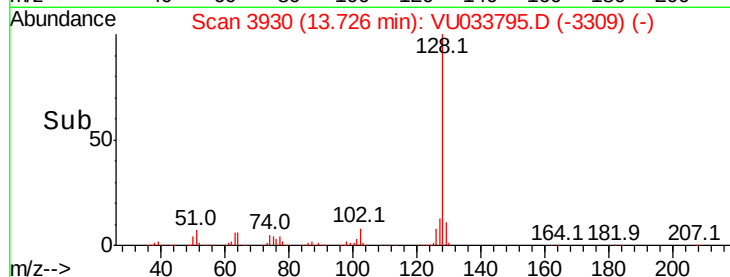


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#72

1,2,3-Trichlorobenzene

Concen: 23.675 ug/L

RT: 13.97 min Scan# 4007

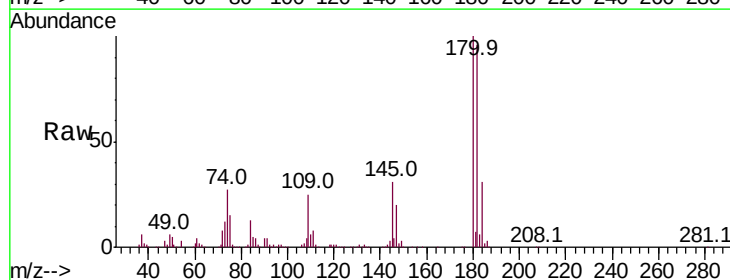
Delta R.T. 0.00 min

Lab File: VU033795.D

Acq: 14 Aug 2019 11:38

Tgt Ion:180 Resp: 650098

Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.7	113.5
145	31.1	24.3	36.5



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

