

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081419\
 Data File : VU033796.D
 Acq On : 14 Aug 2019 12:20
 Operator : JC/SP
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 14:51:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 15 14:46:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	199263	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	198986	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	111568	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	101379	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.67	69	81228	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.26	65	46477	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.80%
20) 2-Butanone-d5	4.18	46	205826	47.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.46%
24) Chloroform-d	4.62	84	149651	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.29	65	76534	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.32	84	295078	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.31	67	90191	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.55	98	274819	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	7.83	79	38224	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	8.30	63	156331	51.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.26%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	77928	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
66) 1,2-Dichlorobenzene-d4	11.85	152	105984	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	143985	4.985	ug/L 100
3) Chloromethane	1.32	50	142069	4.739	ug/L 96
5) Vinyl chloride	1.39	62	157348	4.814	ug/L 98
6) Bromomethane	1.62	94	93841	4.933	ug/L 100
8) Chloroethane	1.69	64	91530	4.741	ug/L 98
9) Trichlorofluoromethane	1.87	101	210949	4.711	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	113607	4.781	ug/L 99
12) 1,1-Dichloroethene	2.27	96	109152	4.754	ug/L 92
13) Acetone	2.35	43	220131	47.401	ug/L # 49
14) Carbon disulfide	2.46	76	375963	4.822	ug/L 99
15) Methyl Acetate	2.61	43	54917	4.549	ug/L 99
16) Methylene chloride	2.68	84	123589	4.611	ug/L 99
17) Methyl tert-butyl Ether	2.98	73	290204	4.881	ug/L 98
18) trans-1,2-Dichloroethene	2.96	96	119517	4.847	ug/L 94
19) 1,1-Dichloroethane	3.42	63	185394	4.810	ug/L 99
21) 2-Butanone	4.27	43	279384	48.592	ug/L 100
22) cis-1,2-Dichloroethene	4.20	96	103849	4.937	ug/L 99

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

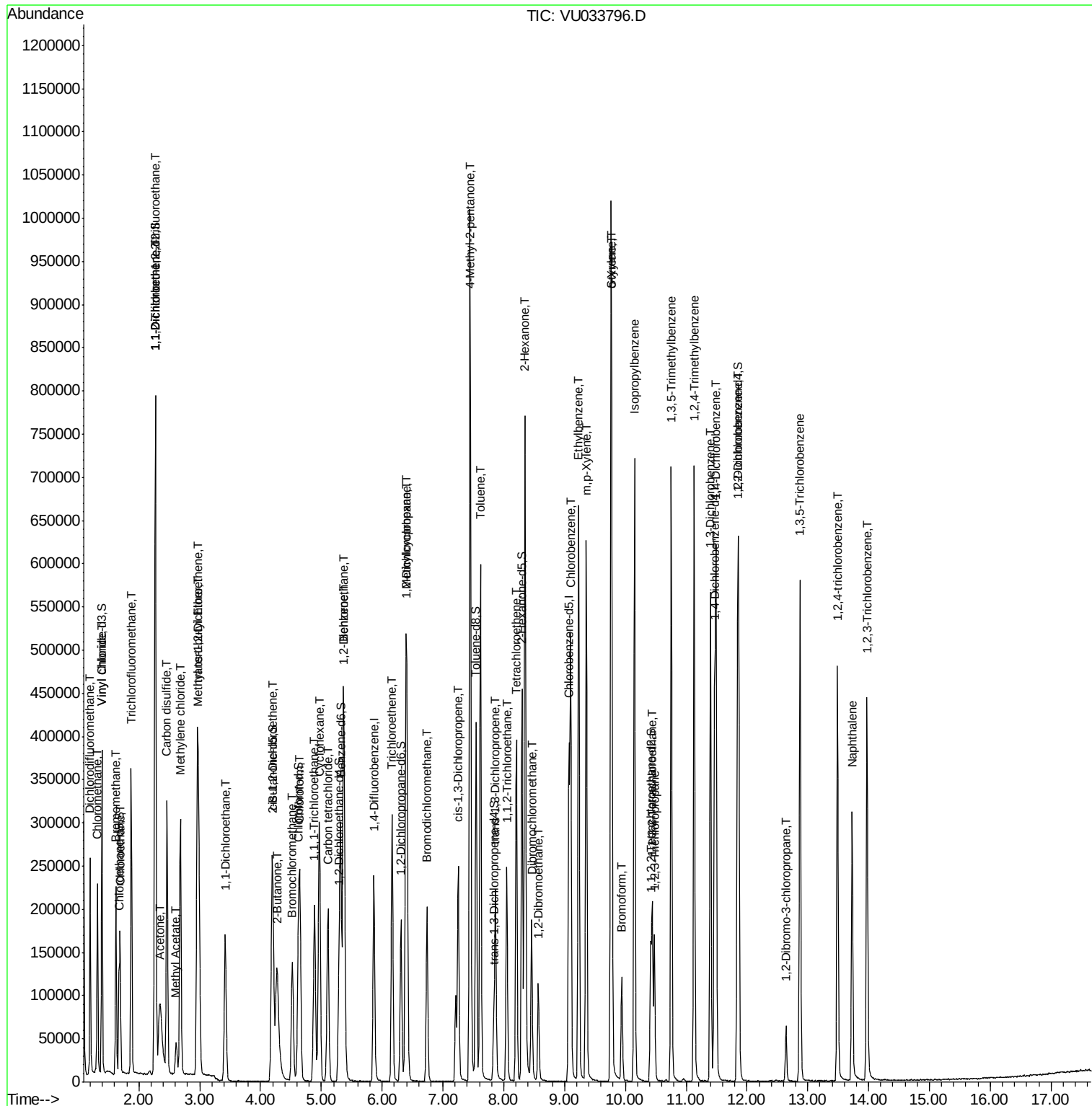
Response via : Initial Calibration

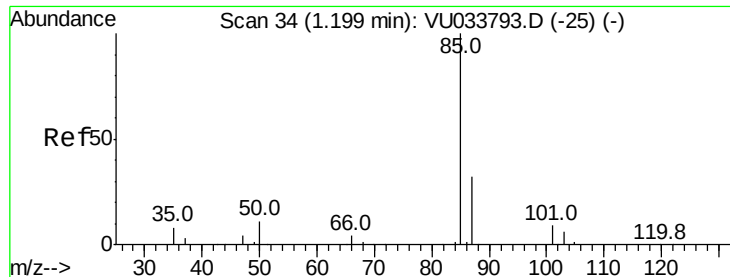
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	49005	4.859	ug/L	93
25) Chloroform	4.65	83	189007	4.556	ug/L	98
27) 1,2-Dichloroethane	5.38	62	122739	4.801	ug/L	97
29) 1,1,1-Trichloroethane	4.89	97	161662	4.992	ug/L	98
30) Cyclohexane	4.97	56	152227	5.194	ug/L	99
31) Carbon tetrachloride	5.11	117	144457	5.014	ug/L	98
33) Benzene	5.36	78	398088	5.002	ug/L	100
34) Trichloroethene	6.16	95	106177	5.087	ug/L	96
35) Methylcyclohexane	6.39	83	164185	5.246	ug/L	97
37) 1,2-Dichloropropane	6.41	63	107796	5.012	ug/L	99
38) Bromodichloromethane	6.74	83	131854	4.862	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	149271	5.143	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	656443	52.819	ug/L	99
42) Toluene	7.62	91	436414	5.218	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	125944	5.191	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	76013	4.947	ug/L	98
47) Tetrachloroethene	8.21	164	87192	5.011	ug/L	98
48) 2-Hexanone	8.35	43	486316	54.107	ug/L	99
49) Dibromochloromethane	8.46	129	94062	5.048	ug/L	97
50) 1,2-Dibromoethane	8.57	107	73193	4.926	ug/L	97
51) Chlorobenzene	9.10	112	273306	5.076	ug/L	98
52) Ethylbenzene	9.23	91	454581	5.252	ug/L	100
53) m,p-Xylene	9.36	106	178153	5.458	ug/L	97
54) o-Xylene	9.76	106	169574	5.472	ug/L	99
55) Styrene	9.77	104	296900	5.521	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.44	83	97600	4.835	ug/L	99
59) Isopropylbenzene	10.15	105	448112	5.268	ug/L	99
60) Bromoform	9.94	173	54461	4.779	ug/L	95
61) 1,2,3-Trichloropropane	10.48	75	70658	4.769	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	368721	5.342	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	374004	5.431	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	233717	5.138	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	237080	5.063	ug/L	99
67) 1,2-Dichlorobenzene	11.86	146	221307	5.039	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.64	75	16546	5.116	ug/L	95
69) 1,3,5-Trichlorobenzene	12.87	180	187244	5.234	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	153917	5.528	ug/L	98
71) Naphthalene	13.73	128	253337	5.909	ug/L	99
72) 1,2,3-Trichlorobenzene	13.97	180	149905	5.713	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 4.985 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033796.D

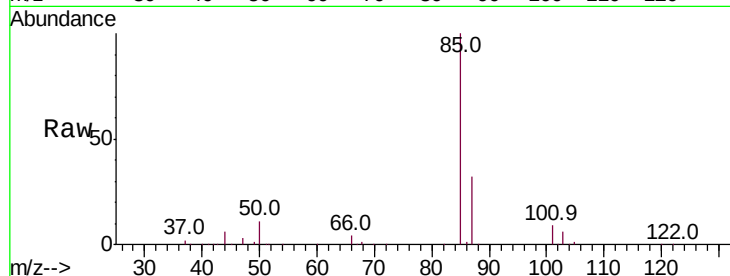
Acq: 14 Aug 2019 12:20

Tot Ion: 85 Resp: 143985

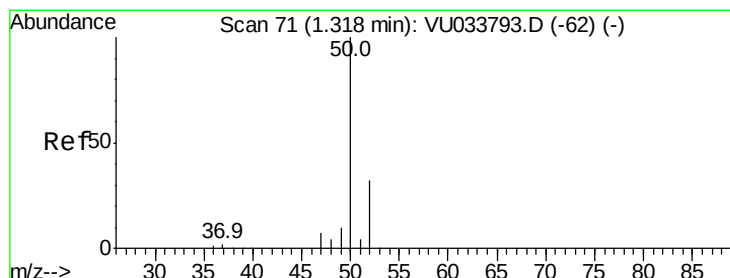
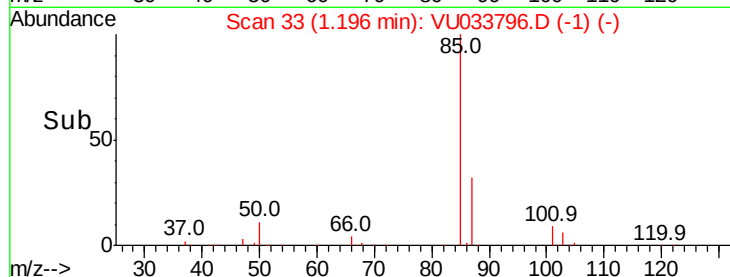
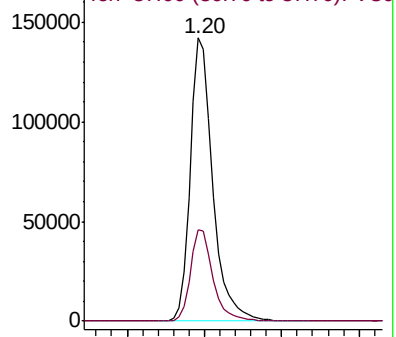
Ion Ratio Lower Upper

85 100

87 32.2 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU033796.D (-1) (-)



#3

Chloromethane

Concen: 4.739 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033796.D

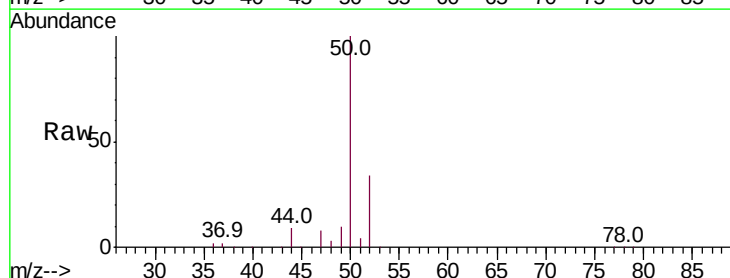
Acq: 14 Aug 2019 12:20

Tgt Ion: 50 Resp: 142069

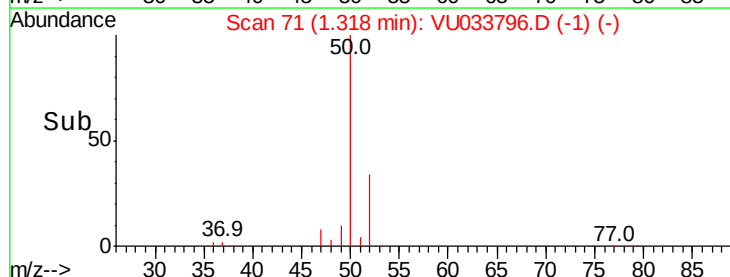
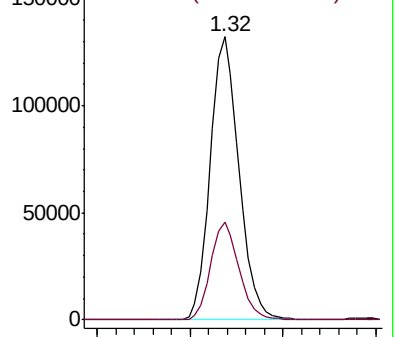
Ion Ratio Lower Upper

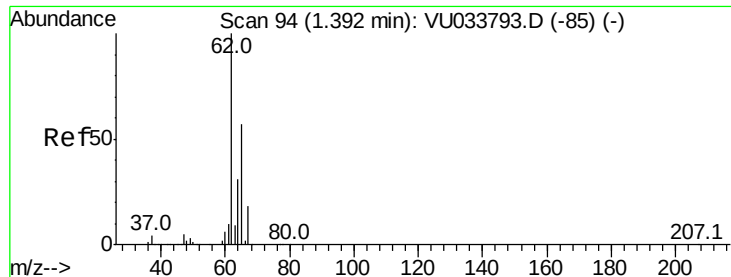
50 100

52 34.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU033796.D (-1) (-)





#5

Vinyl chloride

Concen: 4.814 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033796.D

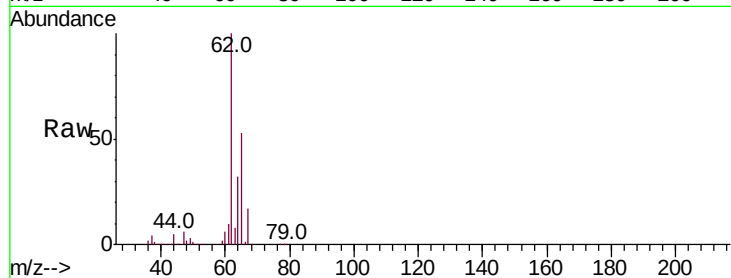
Acq: 14 Aug 2019 12:20

Tot Ion: 62 Resp: 157348

Ion Ratio Lower Upper

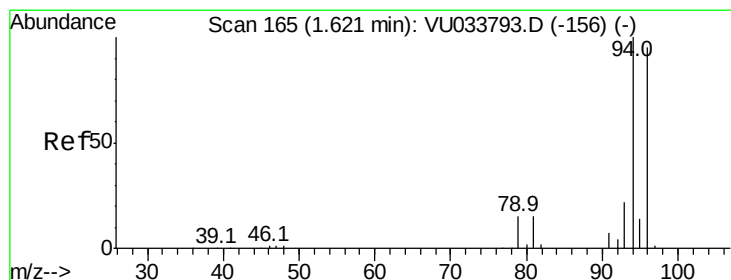
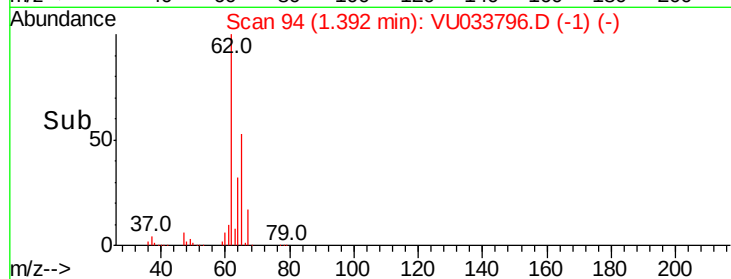
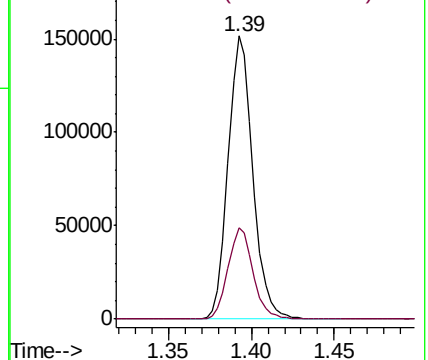
62 100

64 32.3 21.9 40.7



Abundance Ion 62.00 (61.70 to 62.70): VU033796.D (-85) (-)

Ion 64.00 (63.70 to 64.70): VU033796.D (-85) (-)



#6

Bromomethane

Concen: 4.933 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033796.D

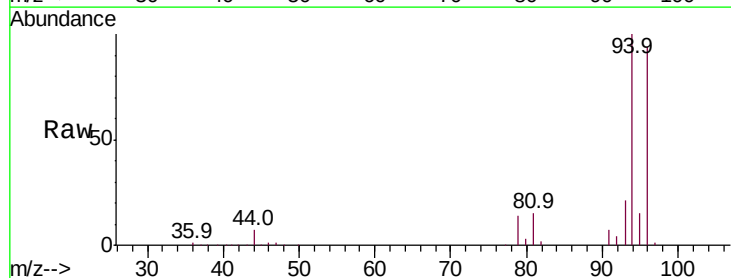
Acq: 14 Aug 2019 12:20

Tgt Ion: 94 Resp: 93841

Ion Ratio Lower Upper

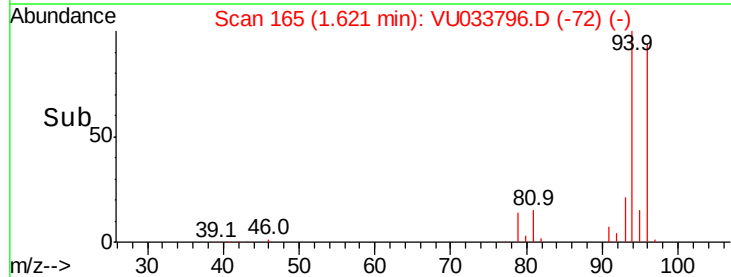
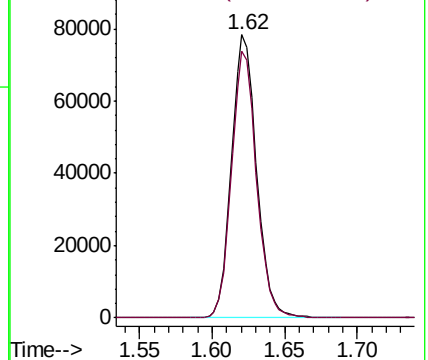
94 100

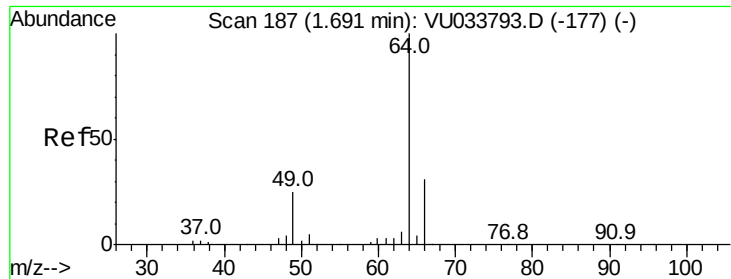
96 94.4 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU033796.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU033796.D (-156) (-)





#8

Chloroethane

Concen: 4.741 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033796.D

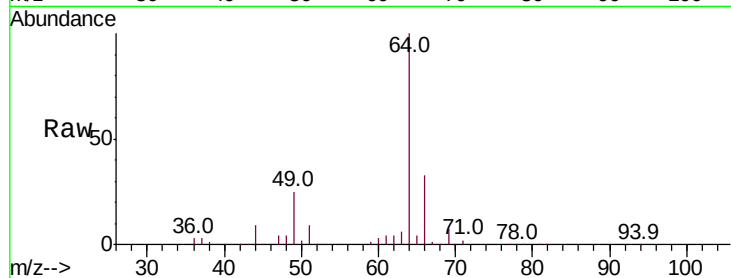
Acq: 14 Aug 2019 12:20

Tot Ion: 64 Resp: 91530

Ion Ratio Lower Upper

64 100

66 32.6 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.69

80000

60000

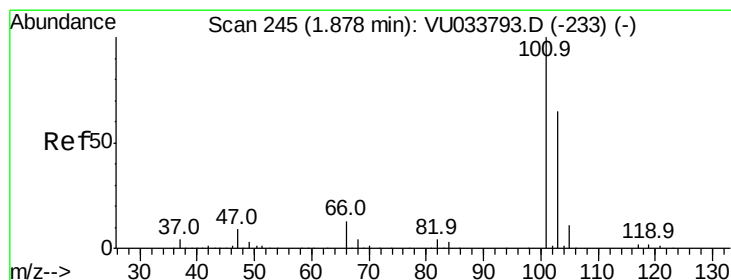
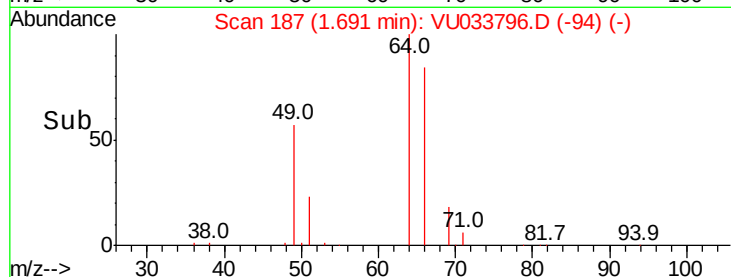
40000

20000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 4.711 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033796.D

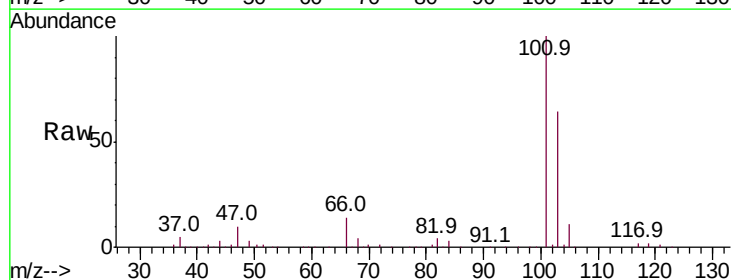
Acq: 14 Aug 2019 12:20

Tgt Ion:101 Resp: 210949

Ion Ratio Lower Upper

101 100

103 64.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.87

150000

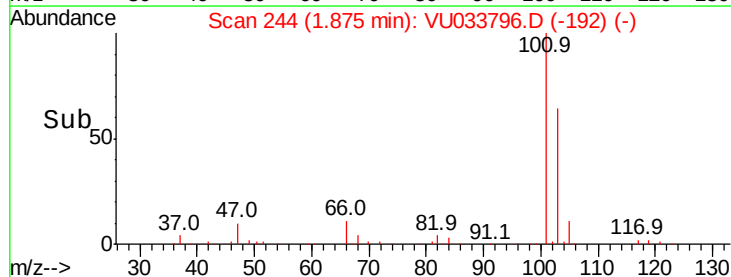
100000

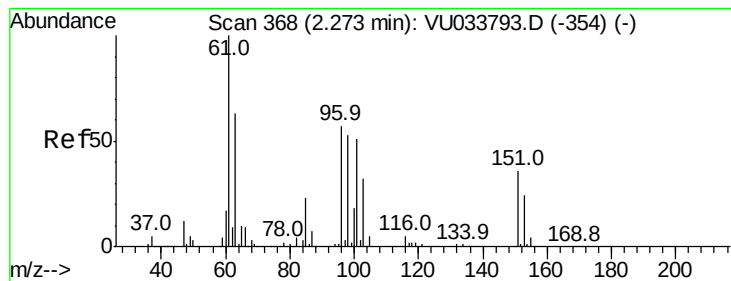
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 4.781 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

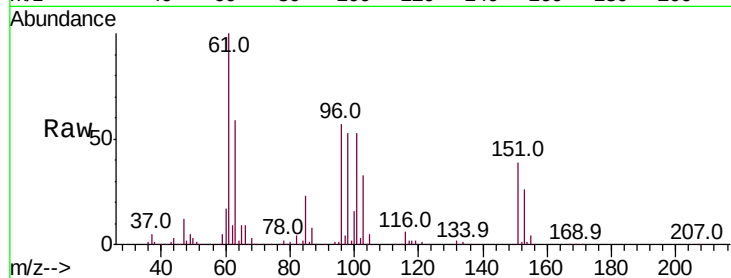
Tot Ion:101 Resp: 113607

Ion Ratio Lower Upper

101 100

85 44.7 36.2 54.2

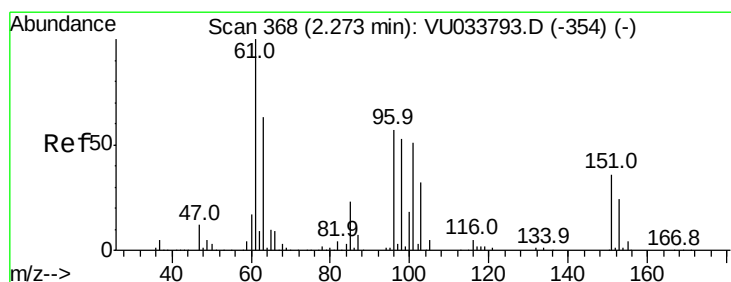
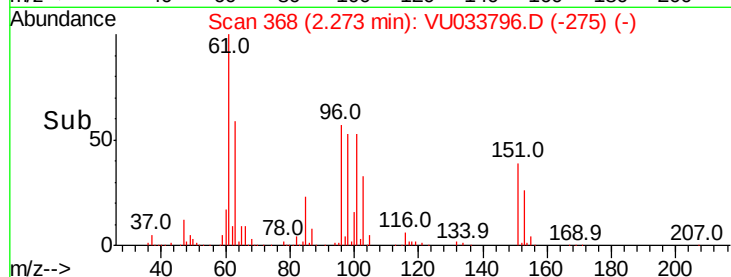
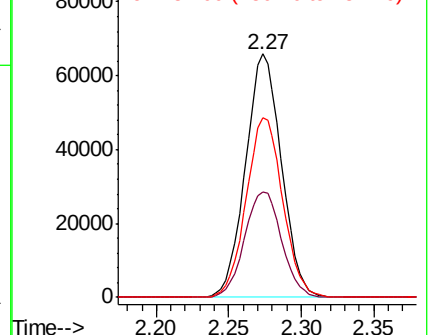
151 74.9 58.7 88.1



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: 4.754 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

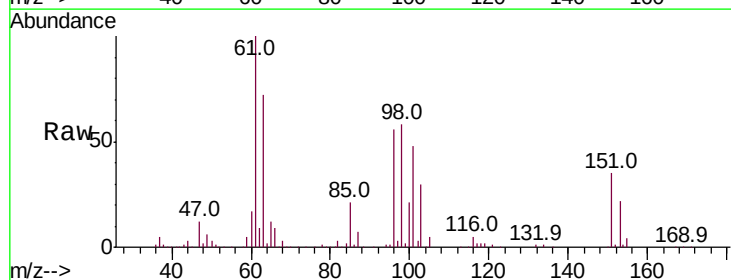
Tgt Ion: 96 Resp: 109152

Ion Ratio Lower Upper

96 100

61 179.7 123.8 230.0

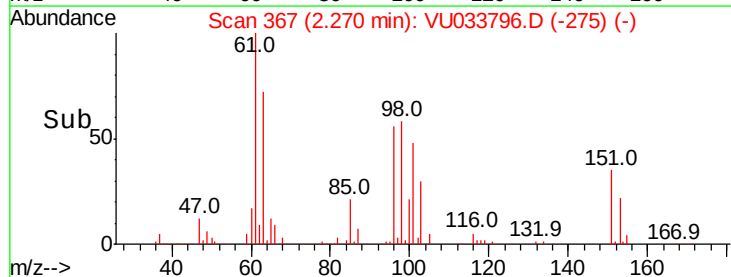
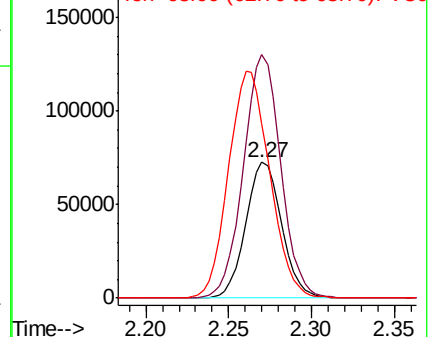
63 128.9 78.0 144.9

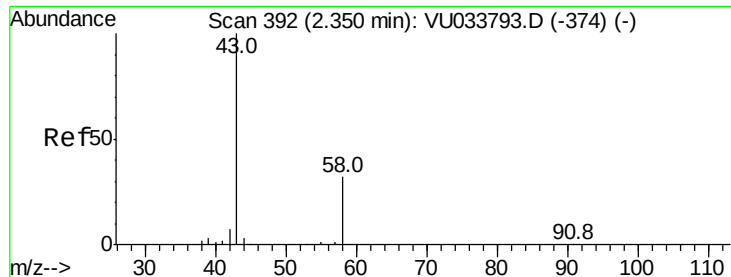


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.401 ug/L

RT: 2.35 min Scan# 391

Delta R.T. -0.00 min

Lab File: VU033796.D

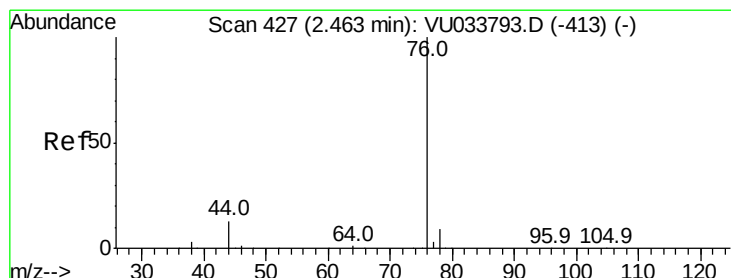
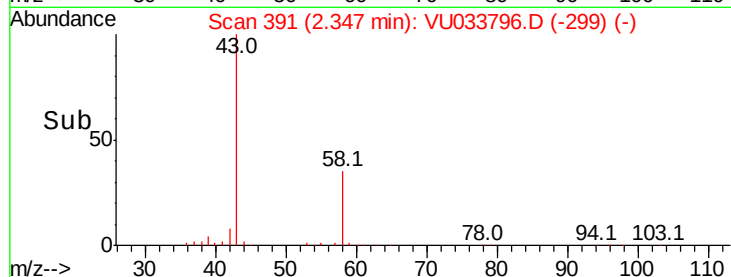
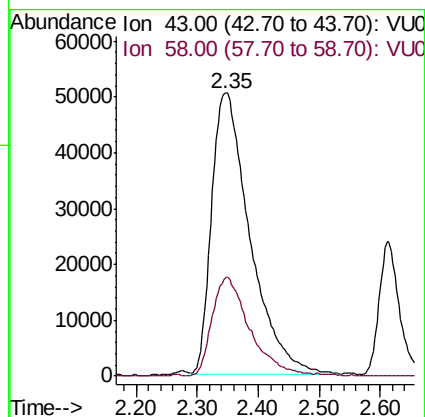
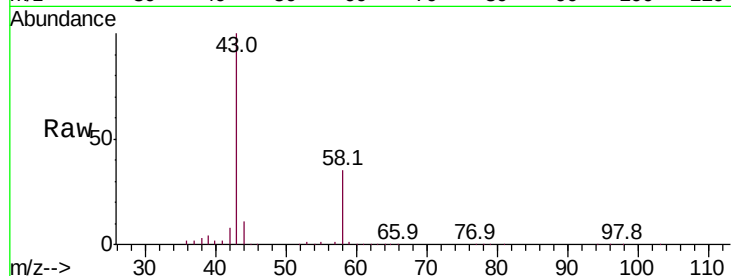
Acq: 14 Aug 2019 12:20

Tot Ion: 43 Resp: 220131

Ion Ratio Lower Upper

43 100

58 33.9 0.0 27.0#



#14

Carbon disulfide

Concen: 4.822 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033796.D

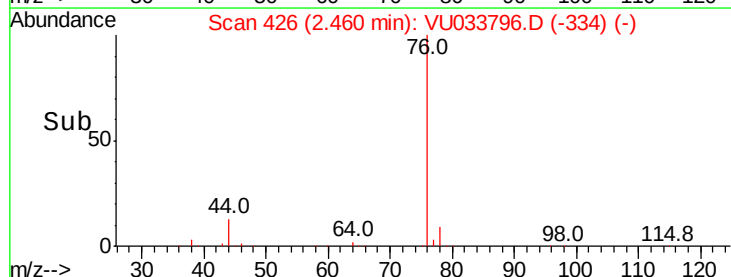
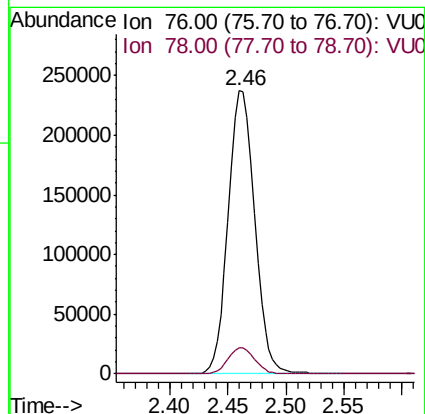
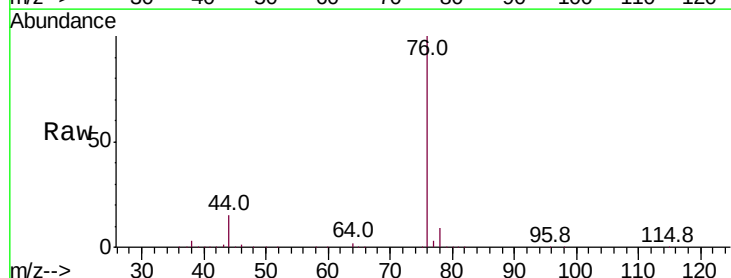
Acq: 14 Aug 2019 12:20

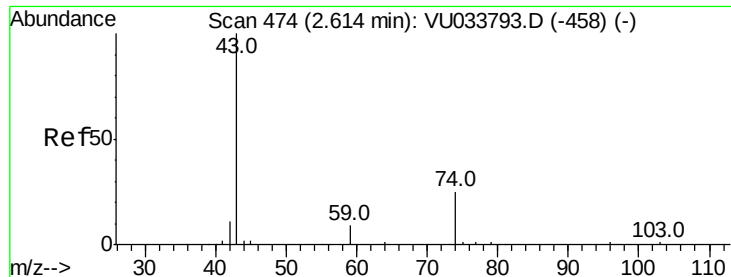
Tgt Ion: 76 Resp: 375963

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8





#15

Methyl Acetate

Concen: 4.549 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

Lab File: VU033796.D

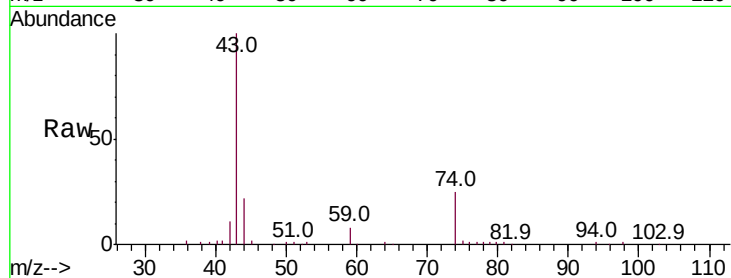
Acq: 14 Aug 2019 12:20

Tot Ion: 43 Resp: 54917

Ion Ratio Lower Upper

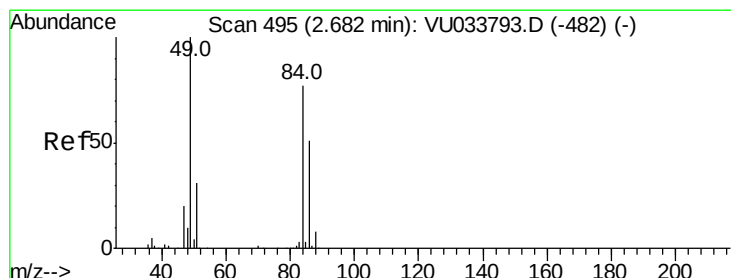
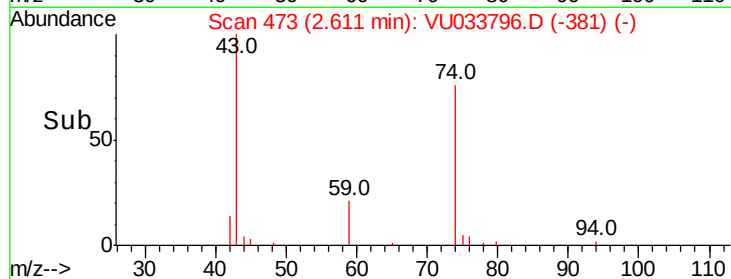
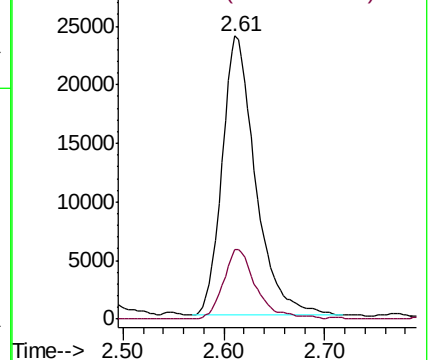
43 100

74 24.2 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 4.611 ug/L

RT: 2.68 min Scan# 495

Delta R.T. 0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

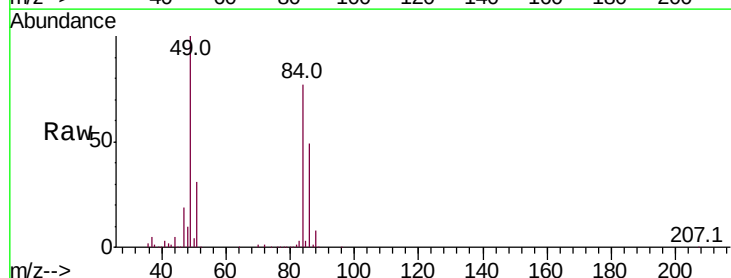
Tgt Ion: 84 Resp: 123589

Ion Ratio Lower Upper

84 100

86 63.9 46.0 85.4

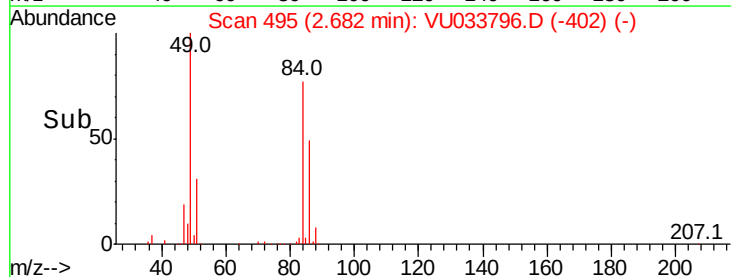
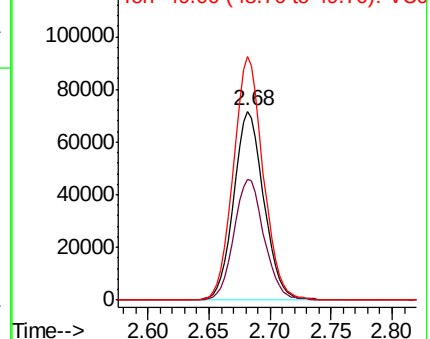
49 129.1 90.4 168.0

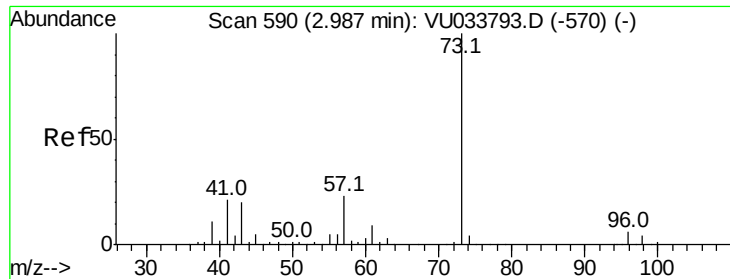


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

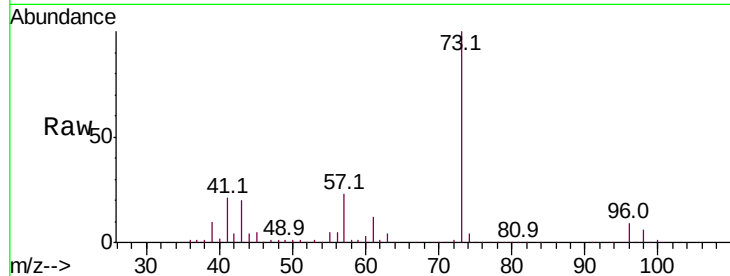
Ion 49.00 (48.70 to 49.70): VU0





#17
Methyl tert-butyl Ether
Concen: 4.881 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU033796.D
Acq: 14 Aug 2019 12:20

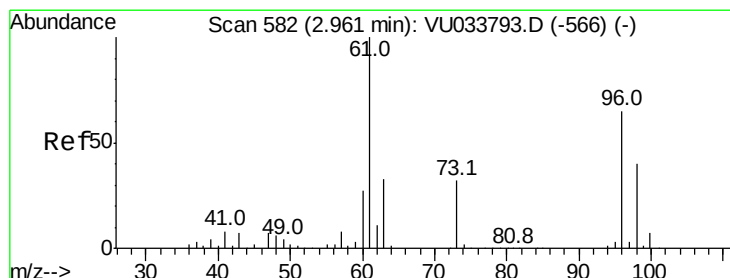
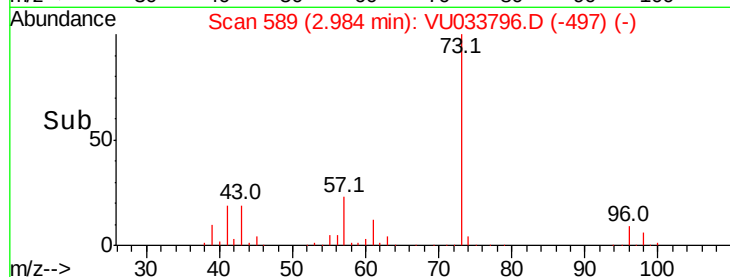
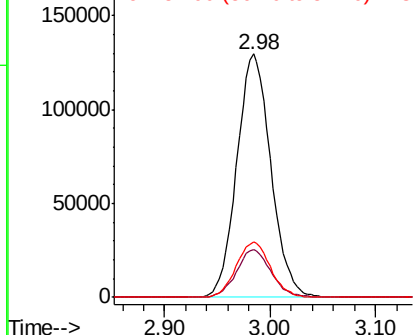
Tot Ion	Ratio	Lower	Upper
73	100		
43	19.4	16.2	24.4
57	22.8	18.9	28.3



Abundance Ion 73.00 (72.70 to 73.70): VU033796.D (-570) (-)

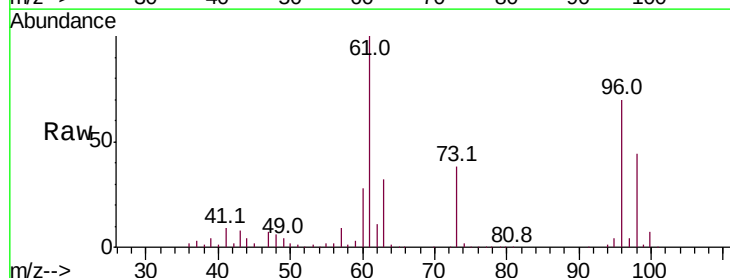
Ion 43.00 (42.70 to 43.70): VU033796.D (-570) (-)

Ion 57.00 (56.70 to 57.70): VU033796.D (-570) (-)



#18
trans-1,2-Dichloroethene
Concen: 4.847 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033796.D
Acq: 14 Aug 2019 12:20

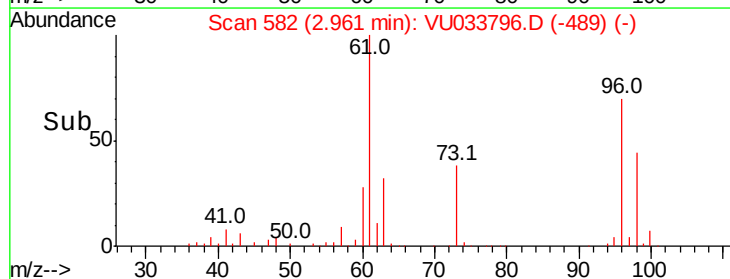
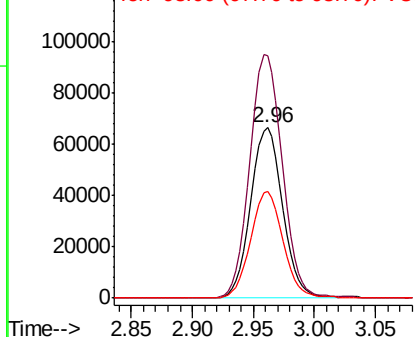
Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.6	107.2	199.0
98	62.8	43.0	79.8

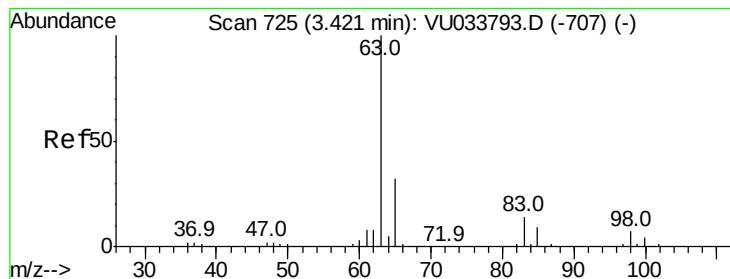


Abundance Ion 96.00 (95.70 to 96.70): VU033796.D (-566) (-)

Ion 61.00 (60.70 to 61.70): VU033796.D (-566) (-)

Ion 98.00 (97.70 to 98.70): VU033796.D (-566) (-)





#19

1,1-Dichloroethane

Concen: 4.810 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

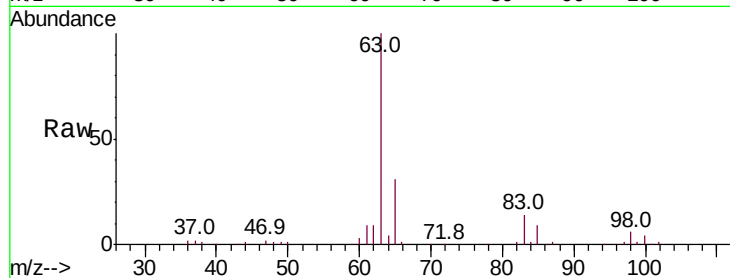
Tot Ion: 63 Resp: 185394

Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.4	41.6
83	14.3	9.7	17.9

63 100

65 31.3 22.4 41.6

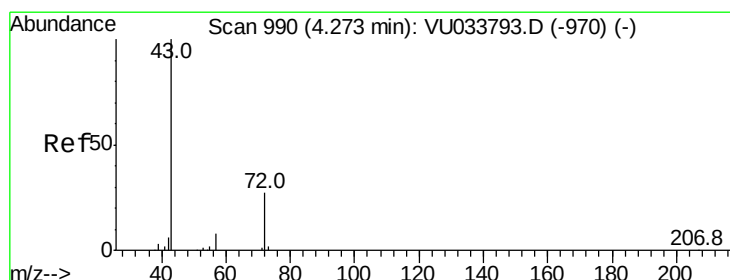
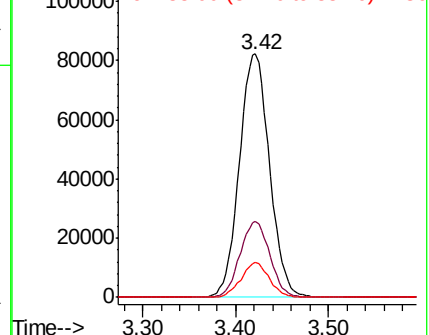
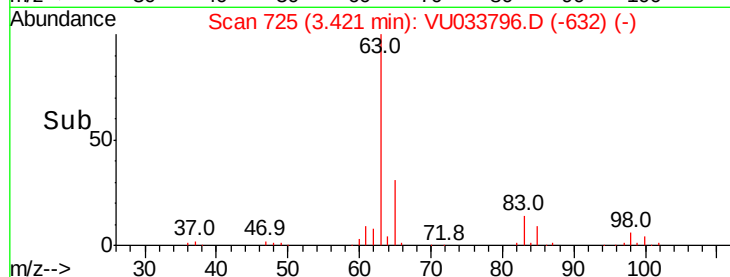
83 14.3 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VU033796.D (-632) (-)

Ion 65.00 (64.70 to 65.70): VU033796.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU033796.D (-632) (-)



#21

2-Butanone

Concen: 48.592 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VU033796.D

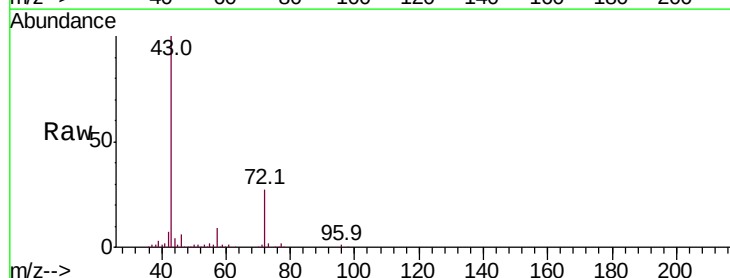
Acq: 14 Aug 2019 12:20

Tgt Ion: 43 Resp: 279384

Ion	Ratio	Lower	Upper
43	100		
72	26.2	13.1	39.1

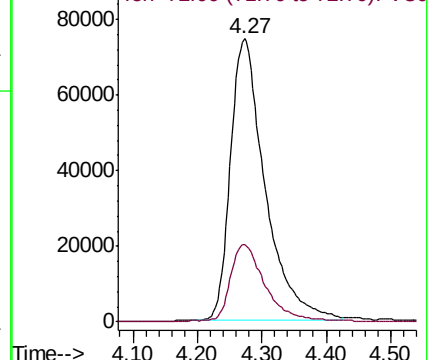
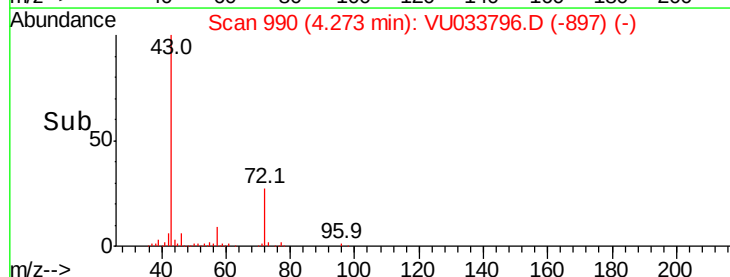
43 100

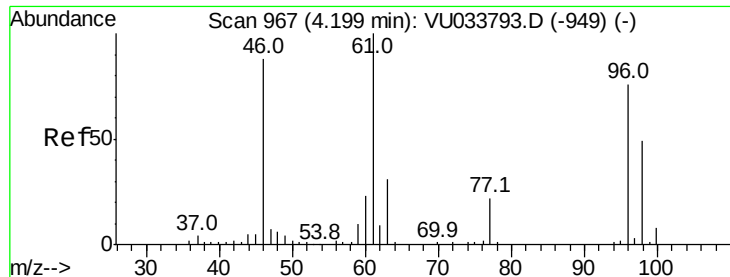
72 26.2 13.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VU033796.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VU033796.D (-897) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.937 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

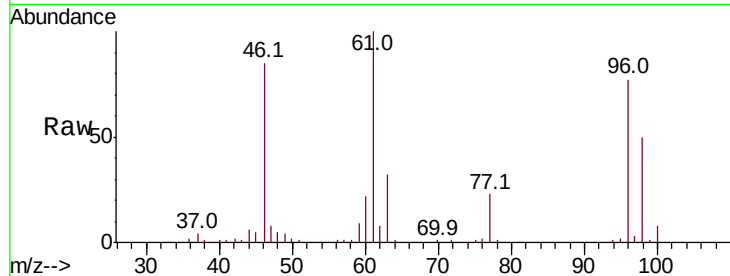
Tot Ion: 96 Resp: 103849

Ion Ratio Lower Upper

96 100

61 129.3 91.7 170.3

98 64.2 45.1 83.9

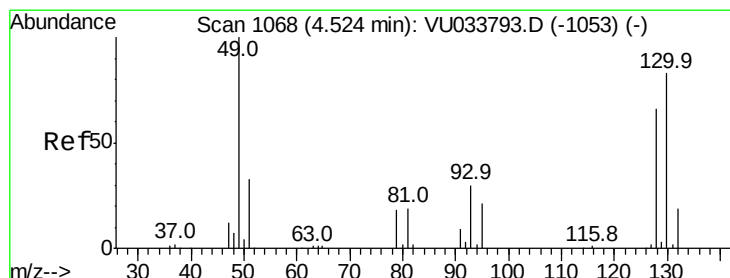
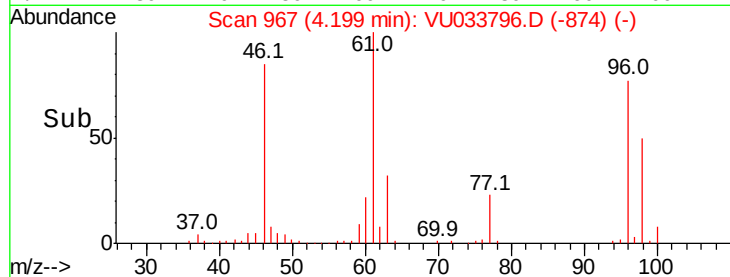
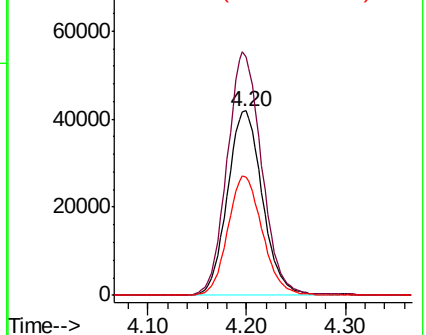


Abundance

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: 4.859 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

Tgt Ion: 128 Resp: 49005

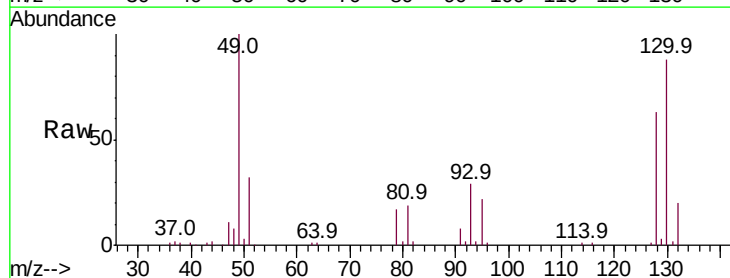
Ion Ratio Lower Upper

128 100

49 159.0 106.8 198.4

130 139.1 88.3 164.1

51 50.4 40.3 60.5



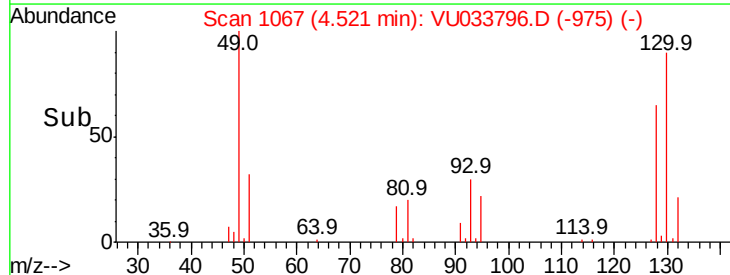
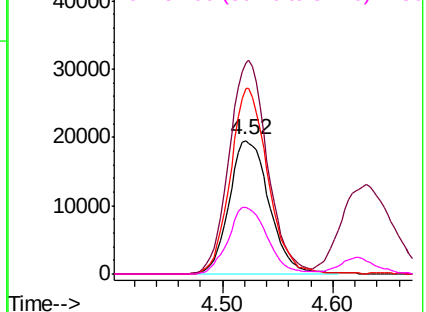
Abundance

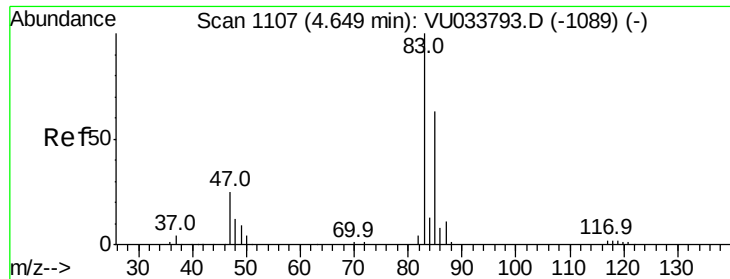
Ion 128.00 (127.70 to 128.70): V

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: 4.556 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033796.D

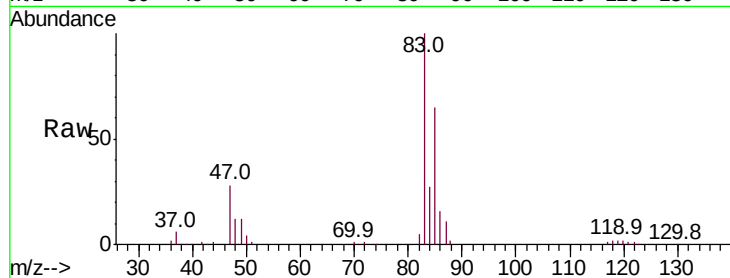
Acq: 14 Aug 2019 12:20

Tot Ion: 83 Resp: 189007

Ion Ratio Lower Upper

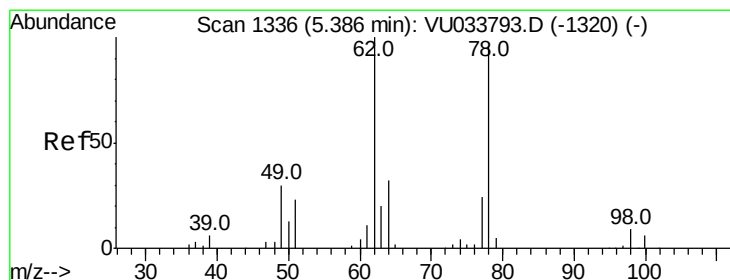
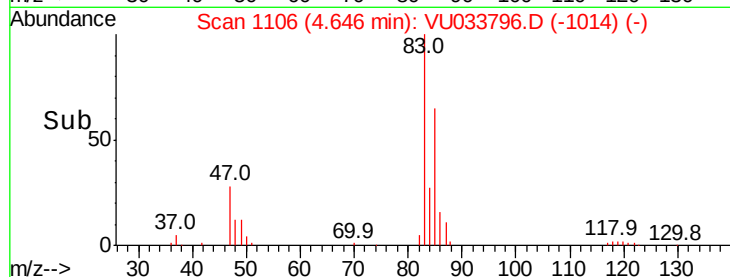
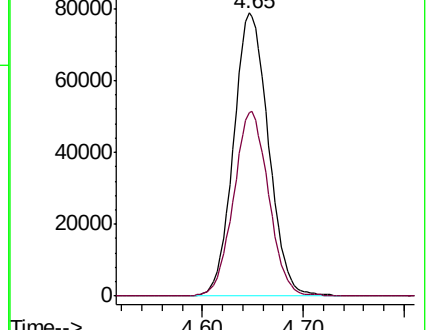
83 100

85 65.0 44.2 82.0



Abundance Ion 83.00 (82.70 to 83.70): VU033796.D (-1107) (-)

Ion 85.00 (84.70 to 85.70): VU033796.D (-1107) (-)



#27

1,2-Dichloroethane

Concen: 4.801 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU033796.D

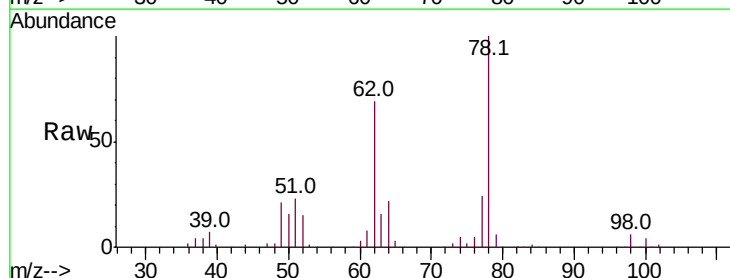
Acq: 14 Aug 2019 12:20

Tgt Ion: 62 Resp: 122739

Ion Ratio Lower Upper

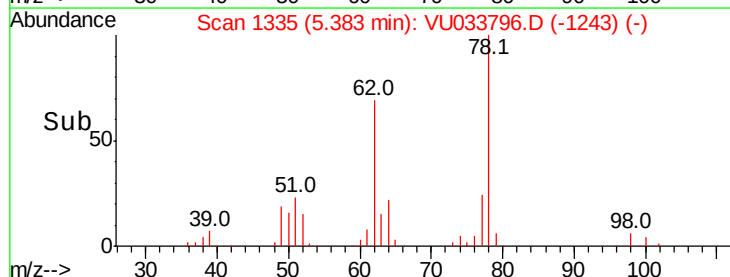
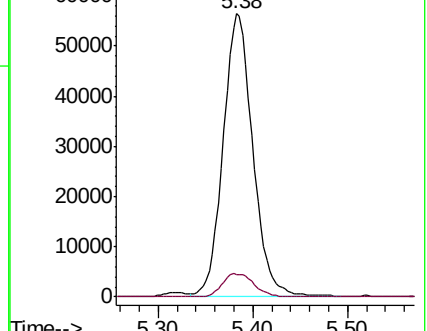
62 100

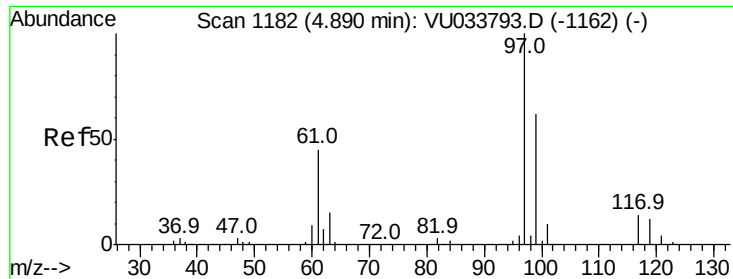
98 8.1 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VU033796.D (-1336) (-)

Ion 98.00 (97.70 to 98.70): VU033796.D (-1336) (-)





#29

1,1,1-Trichloroethane

Concen: 4.992 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

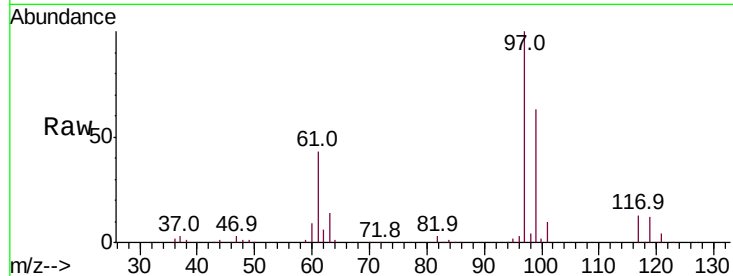
Tot Ion: 97 Resp: 161662

Ion Ratio Lower Upper

97 100

99 62.6 50.8 76.2

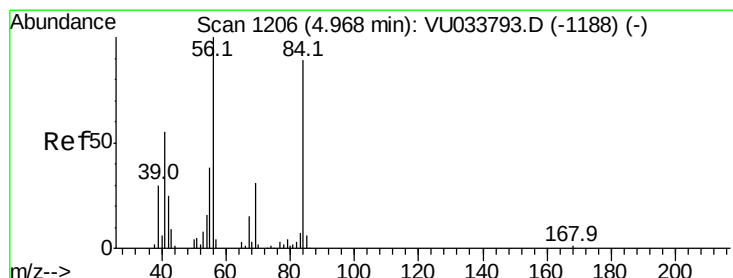
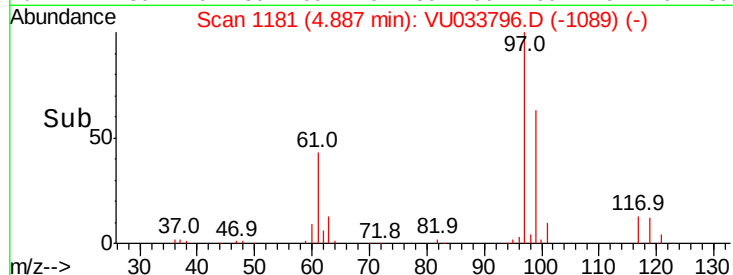
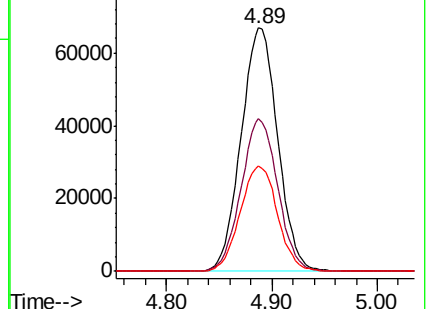
61 44.0 37.4 56.0



Abundance Ion 97.00 (96.70 to 97.70): VU033793.D (-1162) (-)

Ion 99.00 (98.70 to 99.70): VU033796.D (-1089) (-)

Ion 61.00 (60.70 to 61.70): VU033796.D (-1089) (-)



#30

Cyclohexane

Concen: 5.194 ug/L

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

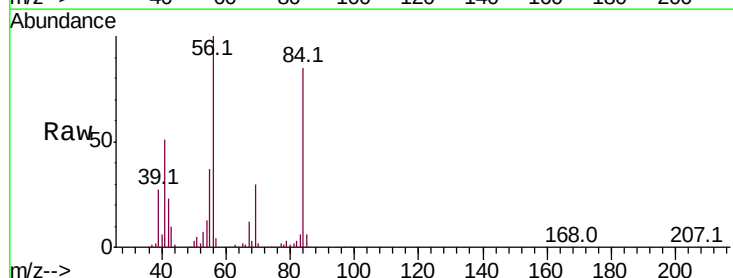
Tgt Ion: 56 Resp: 152227

Ion Ratio Lower Upper

56 100

69 29.9 25.2 37.8

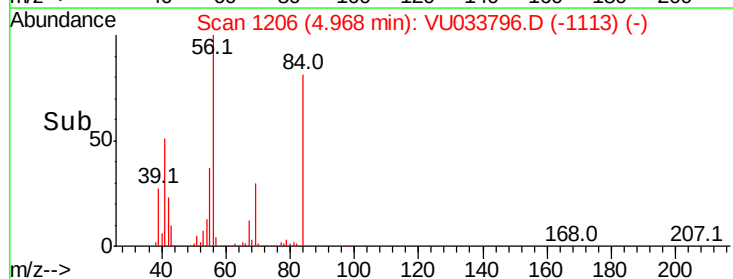
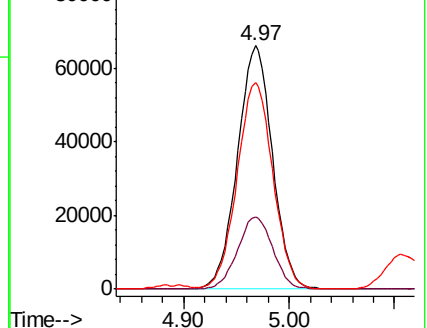
84 87.2 69.8 104.6

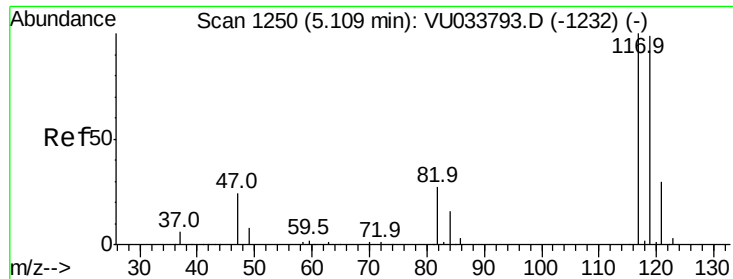


Abundance Ion 56.00 (55.70 to 56.70): VU033793.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU033796.D (-1113) (-)

Ion 84.00 (83.70 to 84.70): VU033796.D (-1113) (-)





#31

Carbon tetrachloride

Concen: 5.014 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033796.D

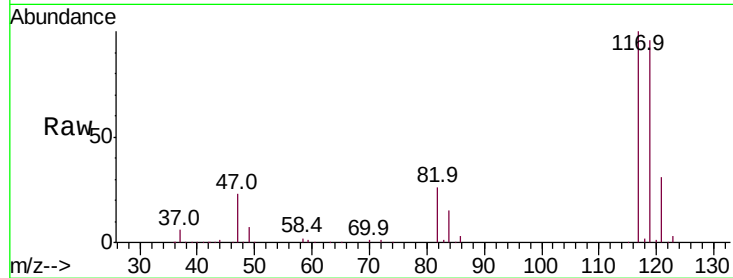
Acq: 14 Aug 2019 12:20

Tot Ion:117 Resp: 144457

Ion Ratio Lower Upper

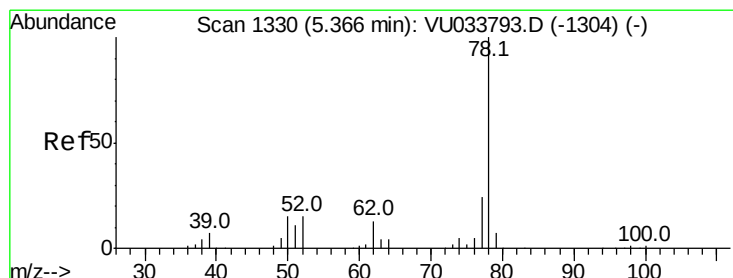
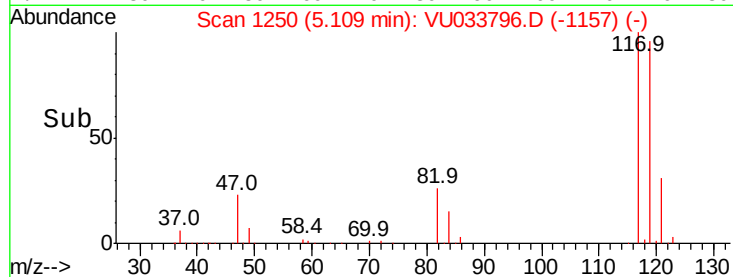
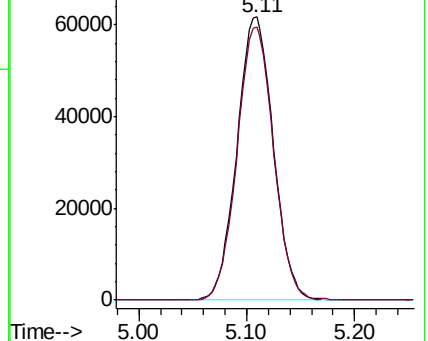
117 100

119 96.6 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: 5.002 ug/L

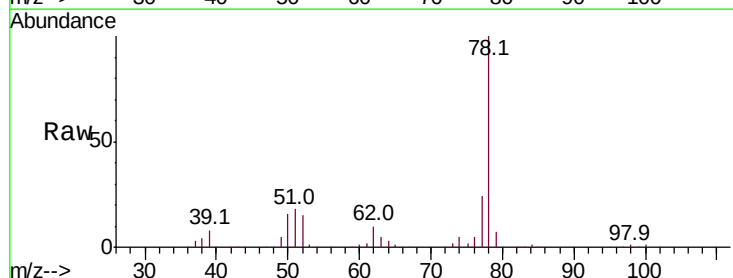
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

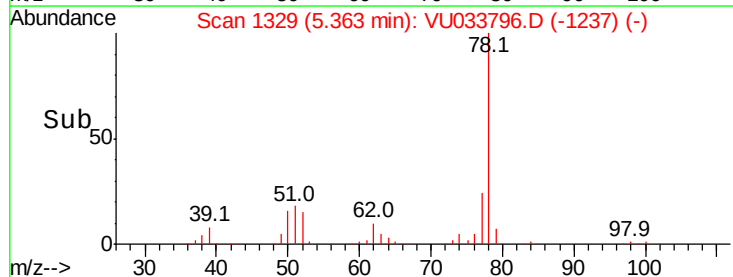
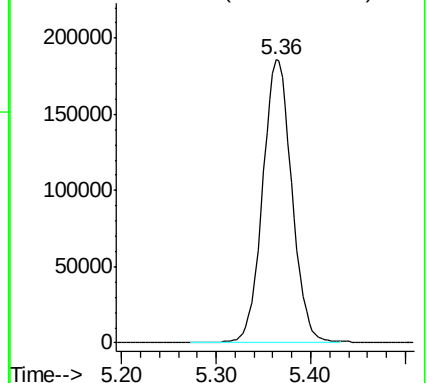
Lab File: VU033796.D

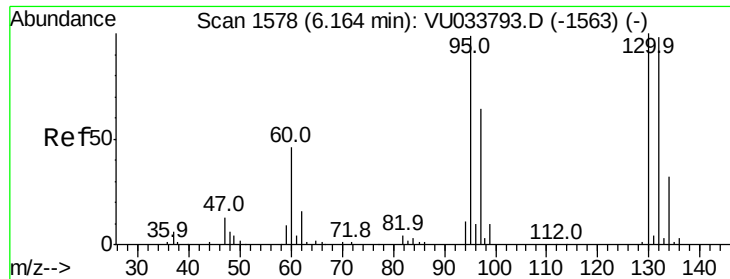
Acq: 14 Aug 2019 12:20

Tgt Ion: 78 Resp: 398088



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 5.087 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

Tot Ion: 95 Resp: 106177

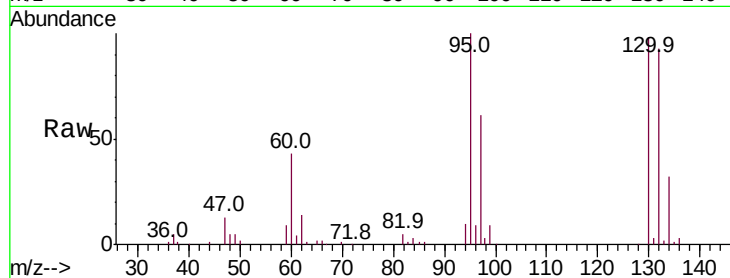
Ion Ratio Lower Upper

95 100

97 60.9 45.4 84.4

132 93.5 68.9 127.9

130 97.7 70.5 130.9

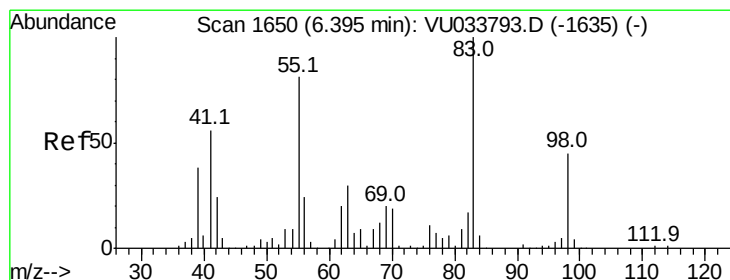
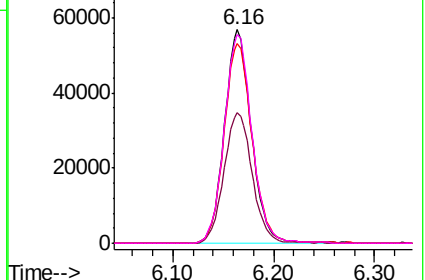
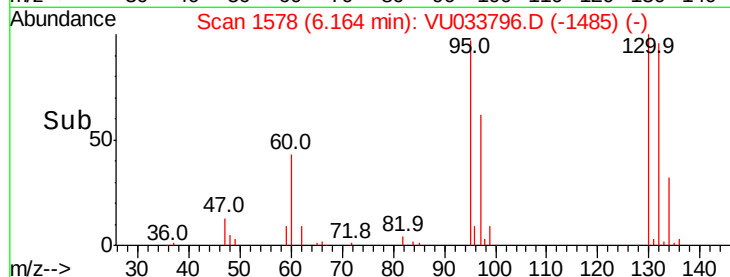


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 5.246 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

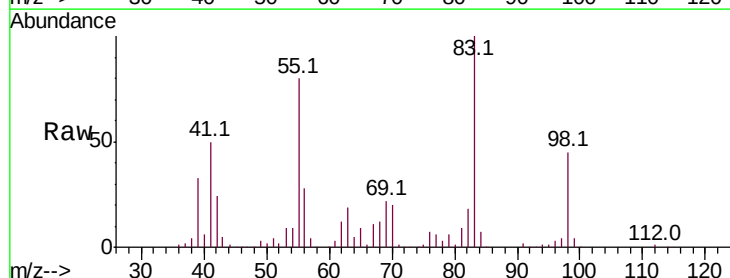
Tgt Ion: 83 Resp: 164185

Ion Ratio Lower Upper

83 100

55 78.1 65.0 97.6

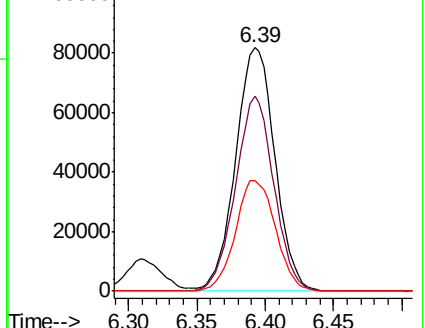
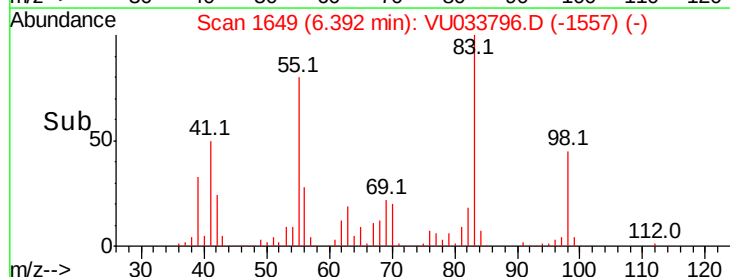
98 46.3 36.2 54.4

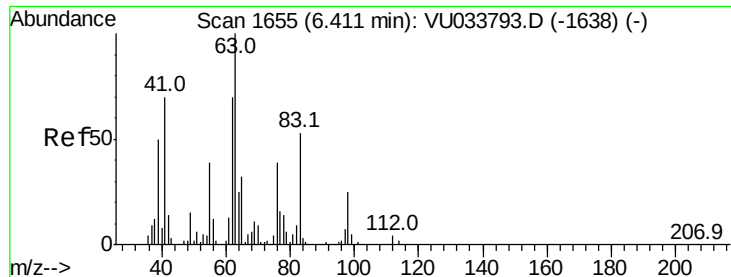


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 5.012 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033796.D

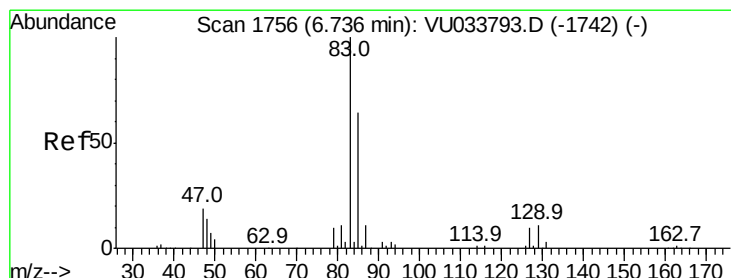
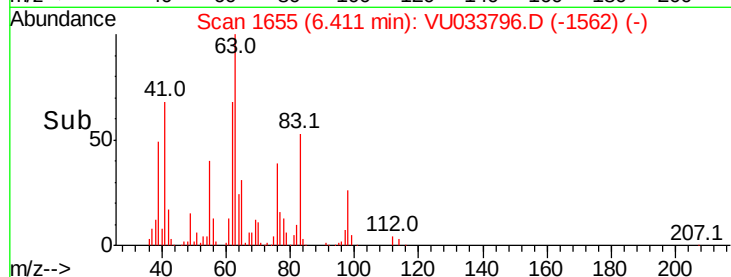
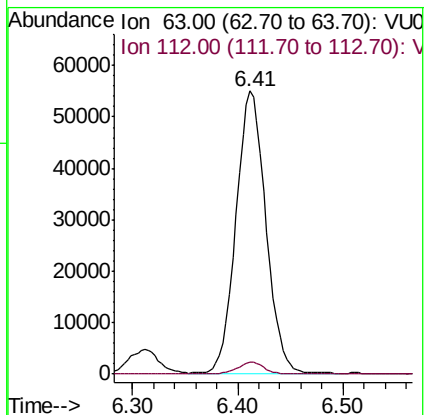
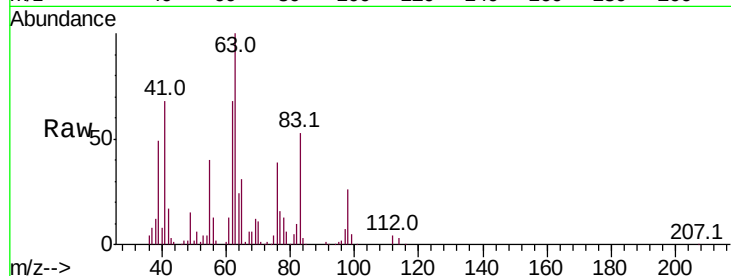
Acq: 14 Aug 2019 12:20

Tot Ion: 63 Resp: 107796

Ion Ratio Lower Upper

63 100

112 3.8 3.3 4.9



#38

Bromodichloromethane

Concen: 4.862 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

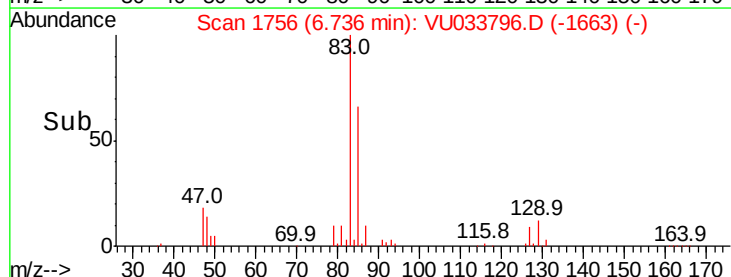
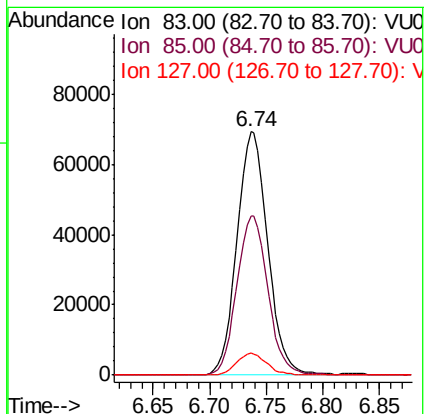
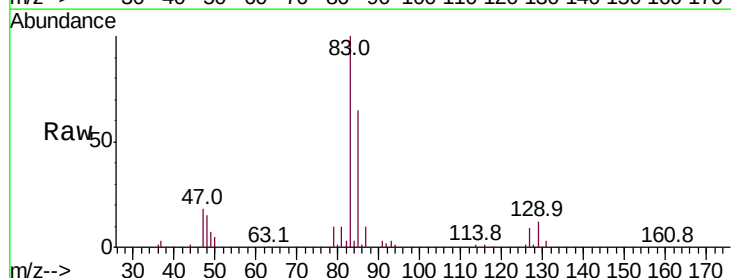
Tgt Ion: 83 Resp: 131854

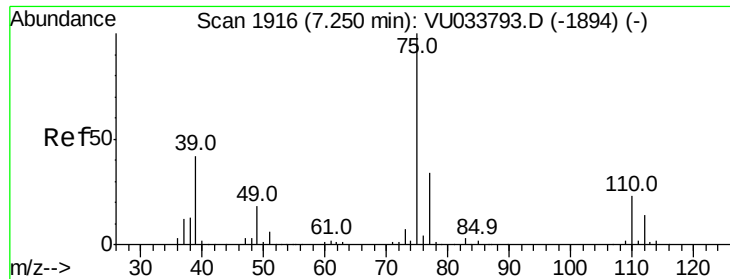
Ion Ratio Lower Upper

83 100

85 65.4 45.0 83.6

127 9.2 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 5.143 ug/L

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU033796.D

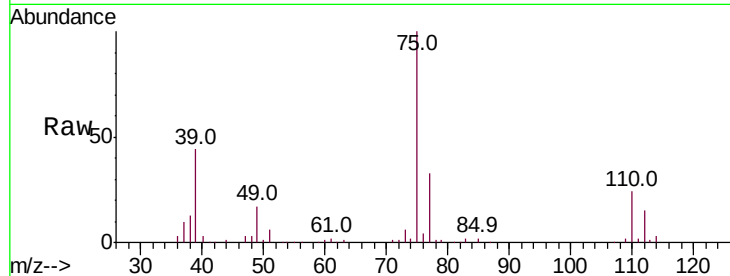
Acq: 14 Aug 2019 12:20

Tot Ion: 75 Resp: 149271

Ion Ratio Lower Upper

75 100

77 33.2 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VU033796.D (-1894) (-)

Ion 77.00 (76.70 to 77.70): VU033796.D (-1894) (-)

7.25

80000

60000

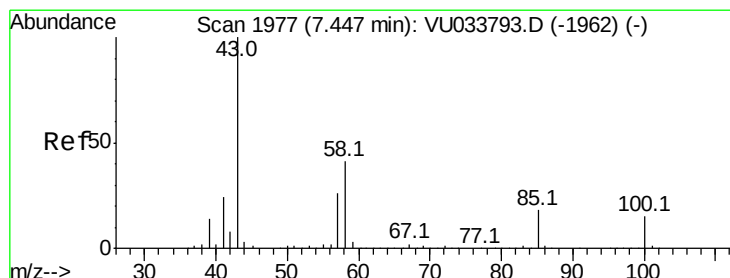
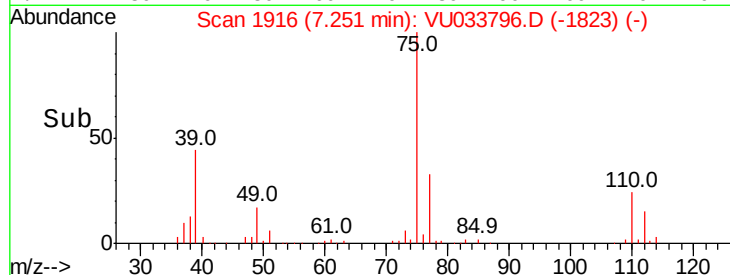
40000

20000

0

7.15 7.20 7.25 7.30 7.35

Time-->



#40

4-Methyl-2-pentanone

Concen: 52.819 ug/L

RT: 7.45 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

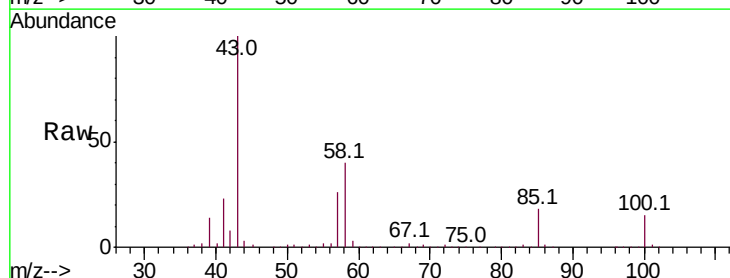
Tgt Ion: 43 Resp: 656443

Ion Ratio Lower Upper

43 100

58 40.5 32.2 48.4

100 15.3 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VU033796.D (-1884) (-)

Ion 58.00 (57.70 to 58.70): VU033796.D (-1884) (-)

Ion 100.00 (99.70 to 100.70): VU033796.D (-1884) (-)

7.45

500000

400000

300000

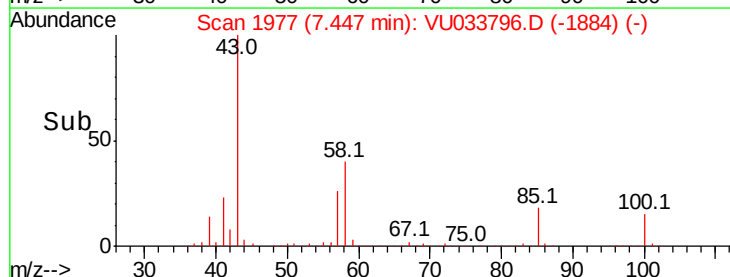
200000

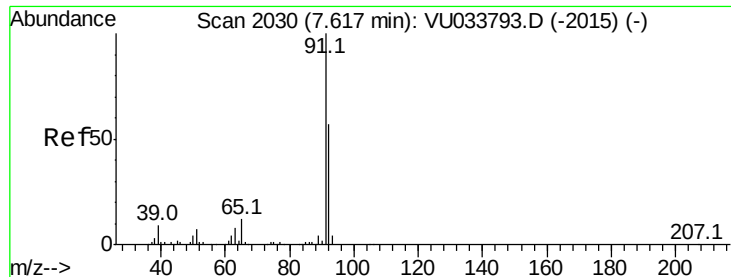
100000

0

7.40 7.50

Time-->





#42

Toluene

Concen: 5.218 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033796.D

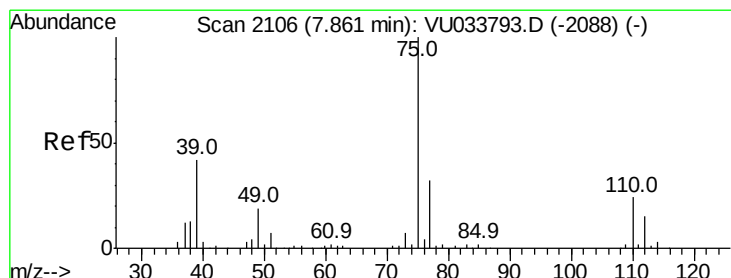
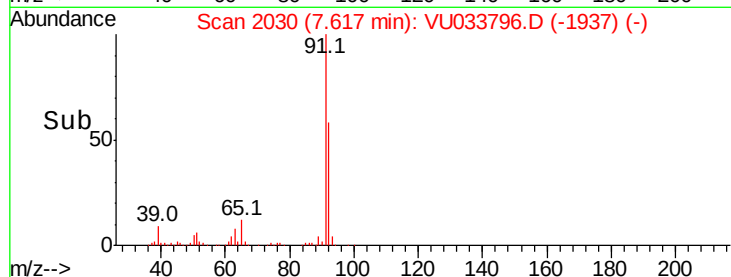
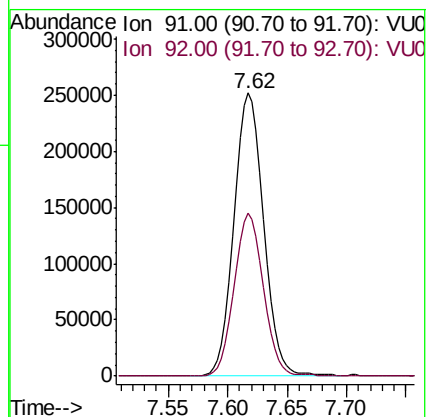
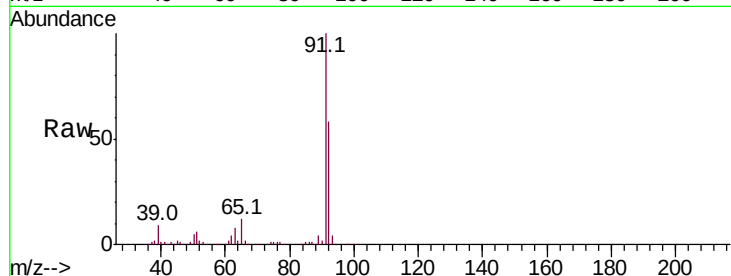
Acq: 14 Aug 2019 12:20

Tot Ion: 91 Resp: 436414

Ion Ratio Lower Upper

91 100

92 57.5 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 5.191 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033796.D

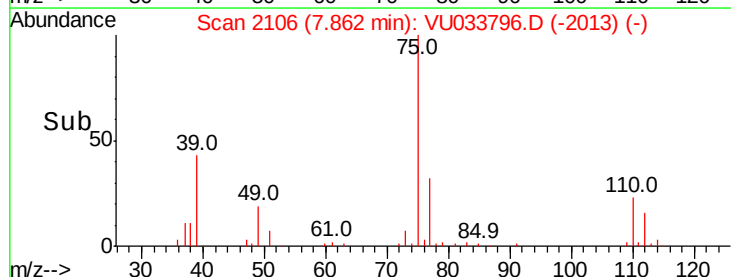
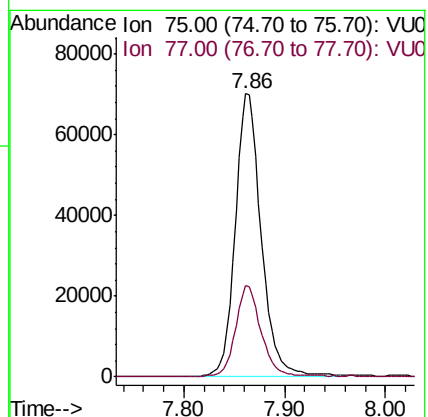
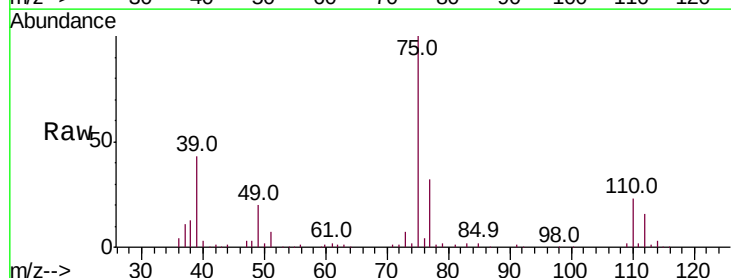
Acq: 14 Aug 2019 12:20

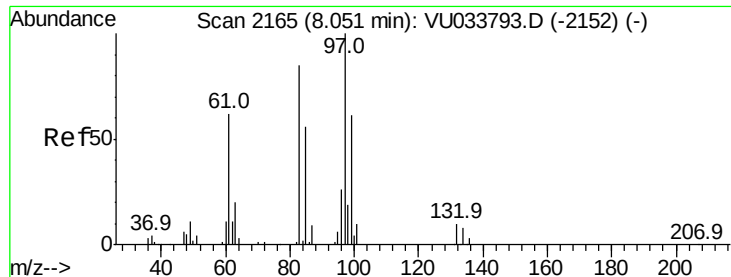
Tgt Ion: 75 Resp: 125944

Ion Ratio Lower Upper

75 100

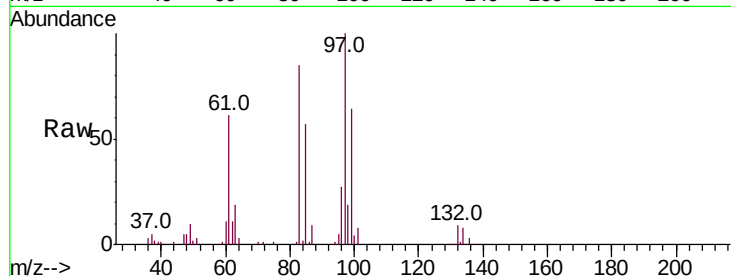
77 32.2 22.3 41.3



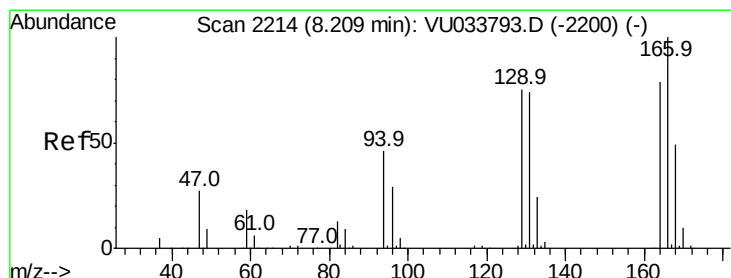
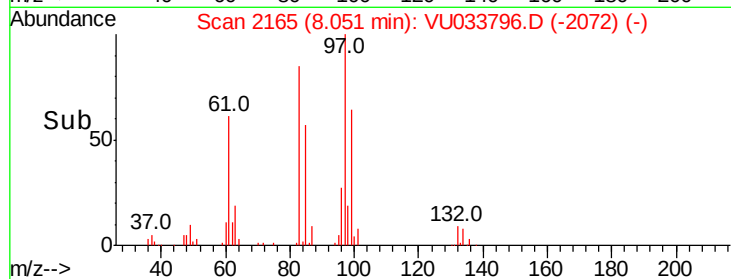
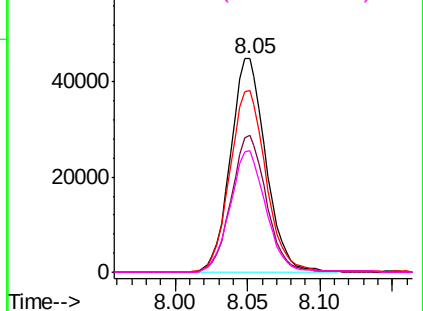


#45
1,1,2-Trichloroethane
Concen: 4.947 ug/L
RT: 8.05 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VU033796.D
Acq: 14 Aug 2019 12:20

Tot Ion:	97	Resp:	76013
Ion	Ratio	Lower	Upper
97	100		
99	64.3	42.6	79.0
83	85.3	59.8	111.1
85	57.1	39.3	72.9

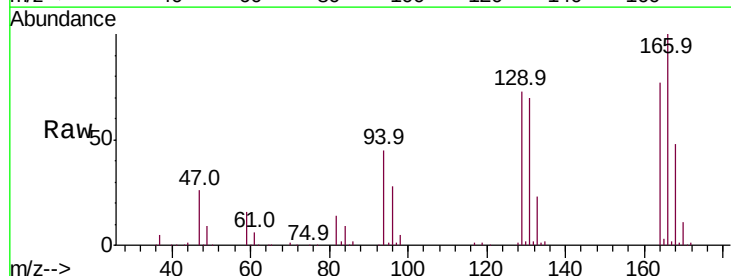


Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

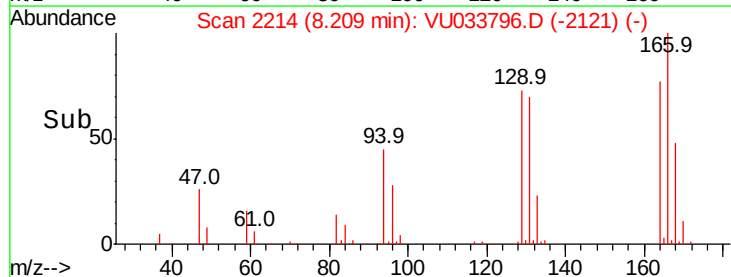
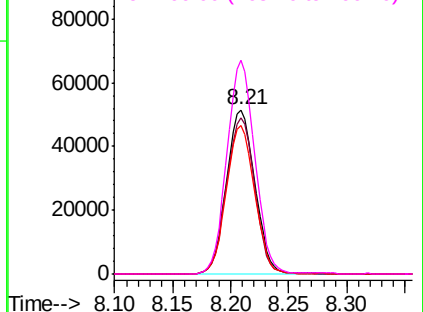


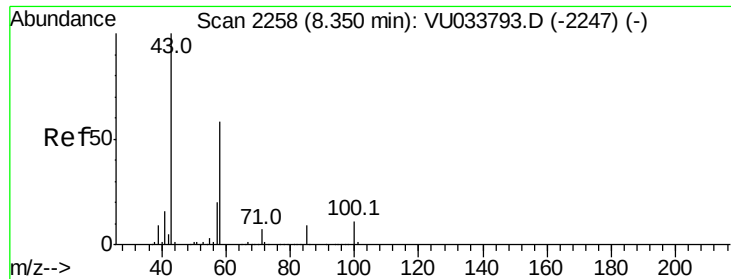
#47
Tetrachloroethene
Concen: 5.011 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033796.D
Acq: 14 Aug 2019 12:20

Tgt Ion:	164	Resp:	87192
Ion	Ratio	Lower	Upper
164	100		
129	95.0	66.1	122.7
131	90.5	65.2	121.2
166	129.9	88.5	164.4



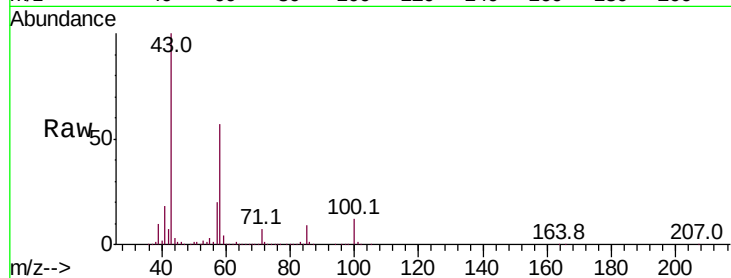
Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V



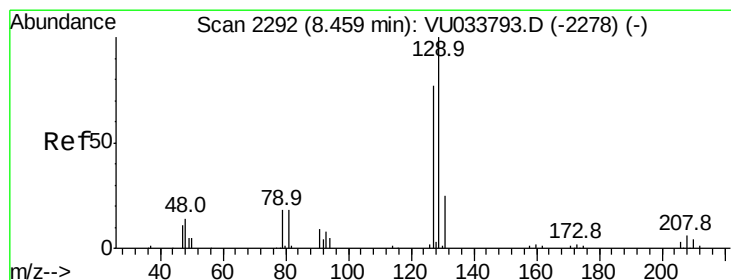
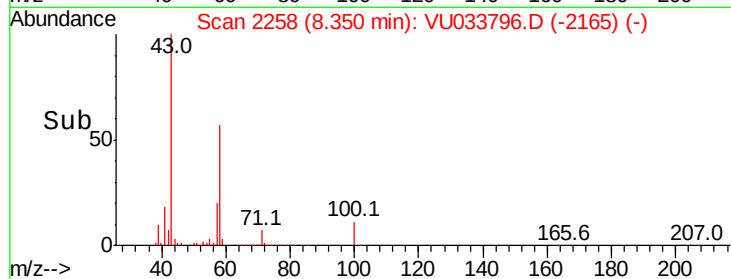
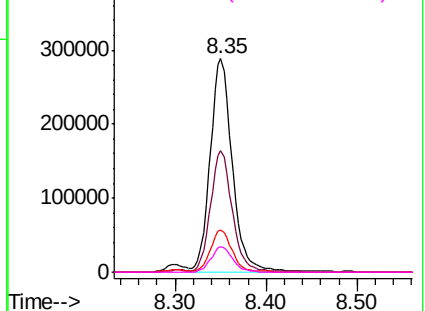


#48
2-Hexanone
Concen: 54.107 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.00 min
Lab File: VU033796.D
Acq: 14 Aug 2019 12:20

Tot Ion: 43 Resp: 486316
Ion Ratio Lower Upper
43 100
58 55.8 45.2 67.8
57 19.4 15.7 23.5
100 11.9 8.6 13.0

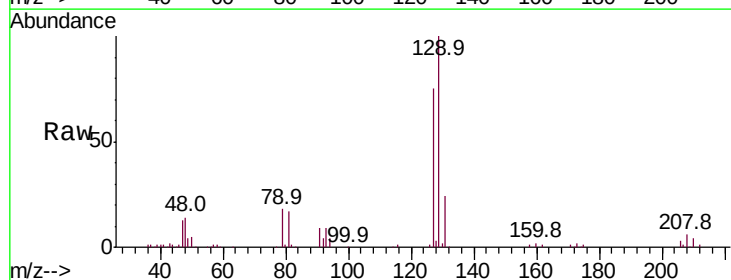


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

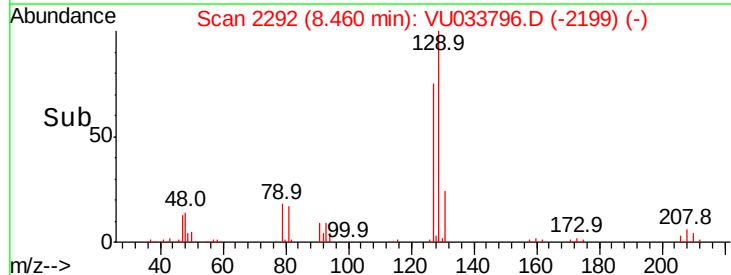
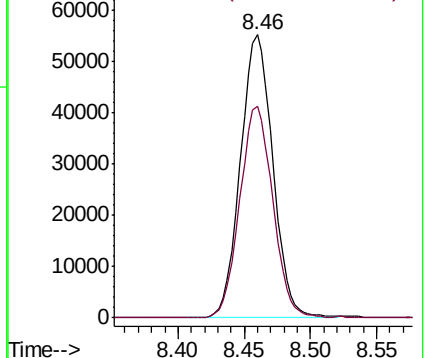


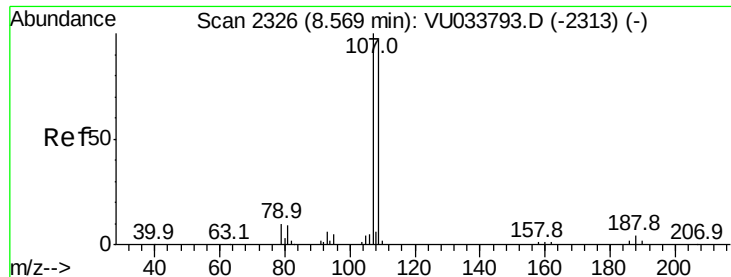
#49
Dibromochloromethane
Concen: 5.048 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033796.D
Acq: 14 Aug 2019 12:20

Tgt Ion: 129 Resp: 94062
Ion Ratio Lower Upper
129 100
127 74.8 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: 4.926 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

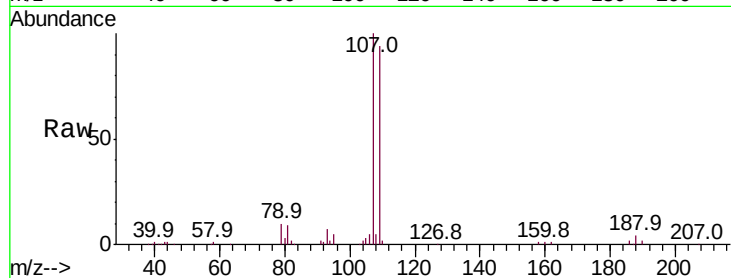
Tot Ion:107 Resp: 73193

Ion Ratio Lower Upper

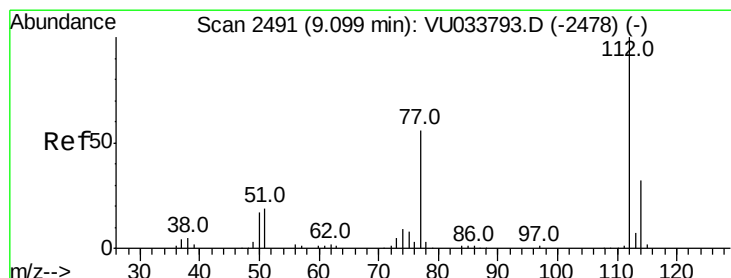
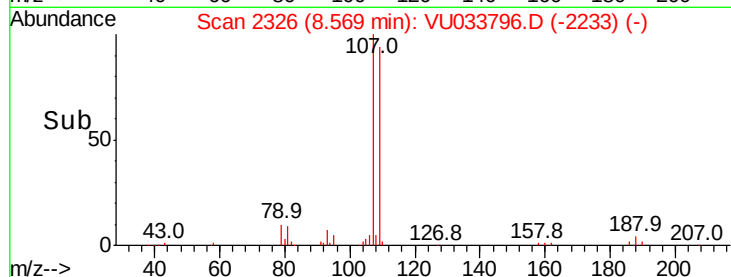
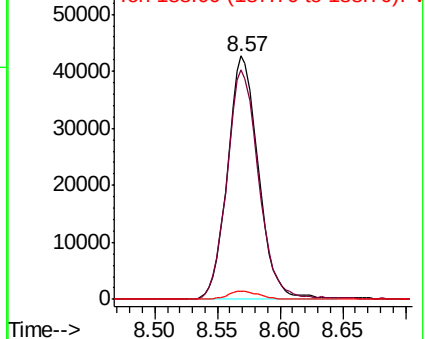
107 100

109 94.5 68.3 126.8

188 3.5 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: 5.076 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

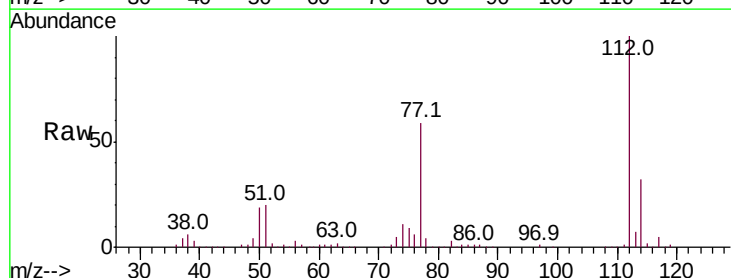
Tgt Ion:112 Resp: 273306

Ion Ratio Lower Upper

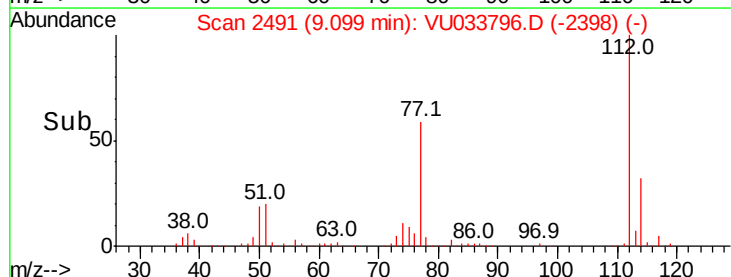
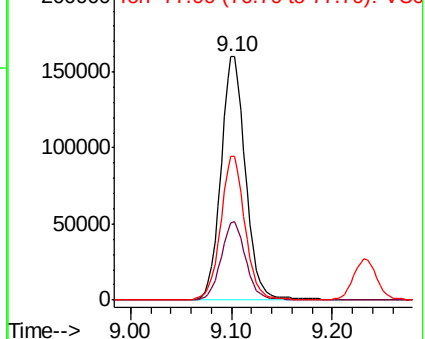
112 100

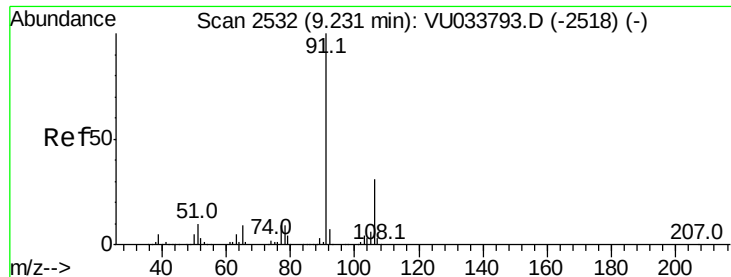
114 31.8 22.5 41.7

77 58.9 45.3 67.9



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





#52

Ethylbenzene

Concen: 5.252 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033796.D

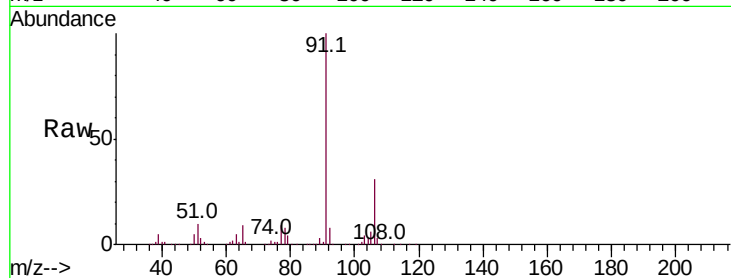
Acq: 14 Aug 2019 12:20

Tot Ion: 91 Resp: 454581

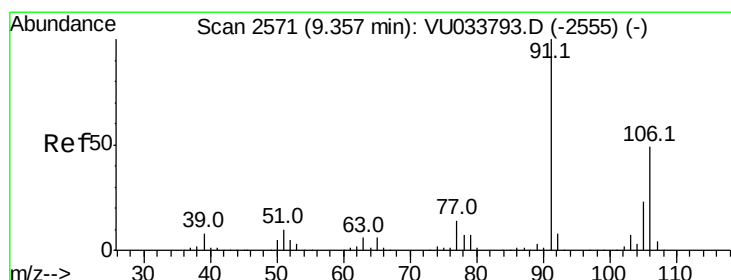
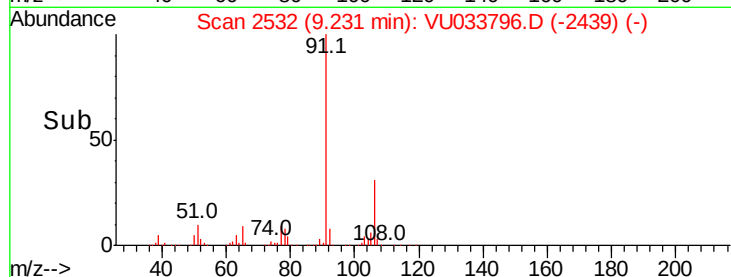
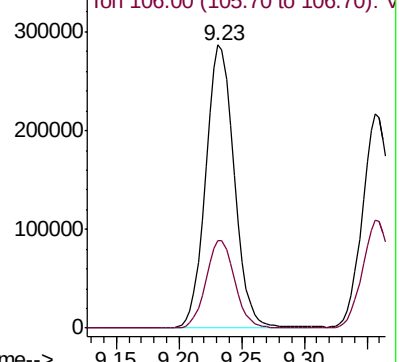
Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU033796.D (-2439) (-)



#53

m,p-Xylene

Concen: 5.458 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033796.D

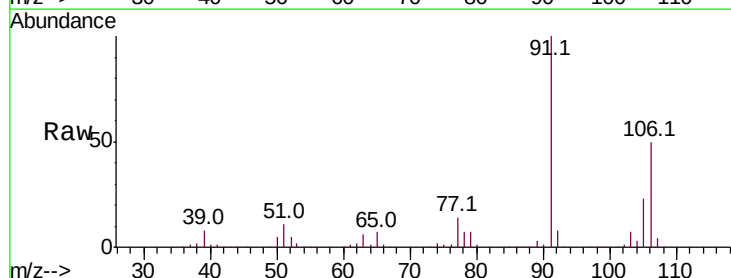
Acq: 14 Aug 2019 12:20

Tgt Ion: 106 Resp: 178153

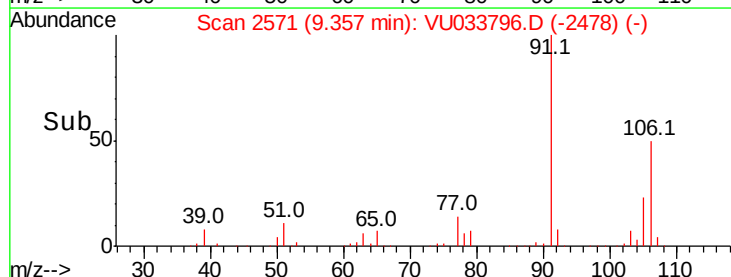
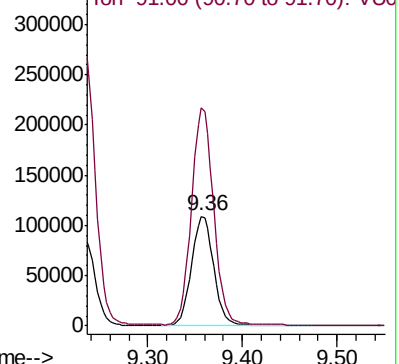
Ion Ratio Lower Upper

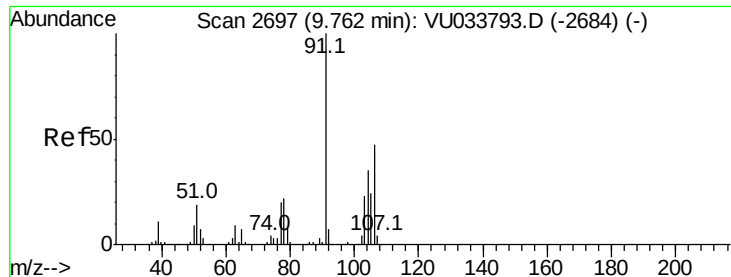
106 100

91 199.1 142.7 265.1



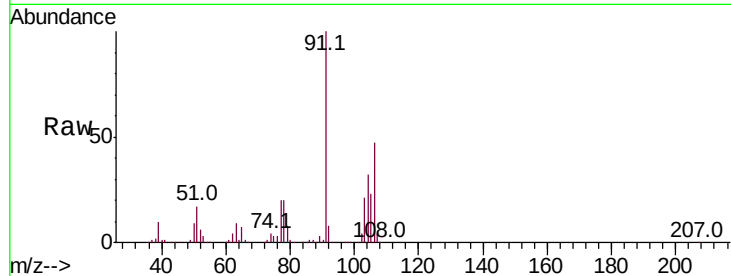
Abundance Ion 106.00 (105.70 to 106.70): VU033796.D (-2478) (-)



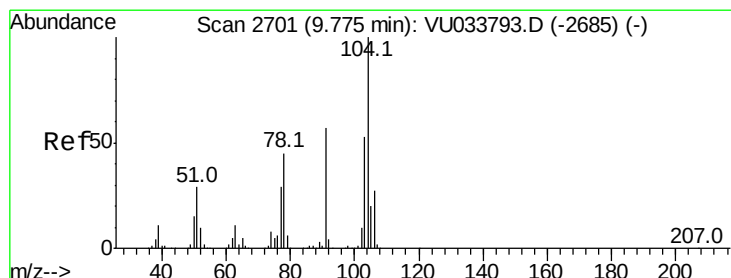
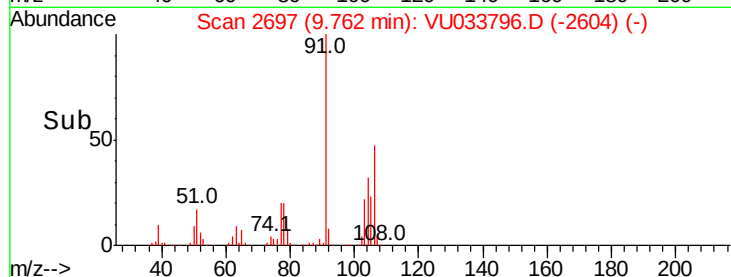
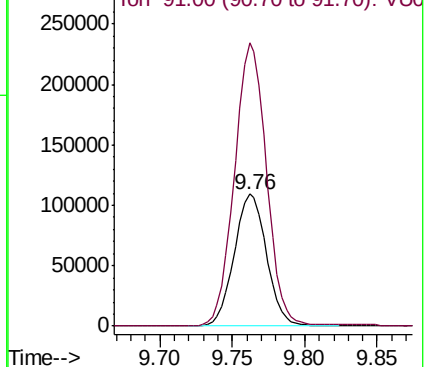


#54
o-Xylene
Concen: 5.472 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033796.D
Acq: 14 Aug 2019 12:20

Tot Ion:106 Resp: 169574
Ion Ratio Lower Upper
106 100
91 214.7 149.5 277.7

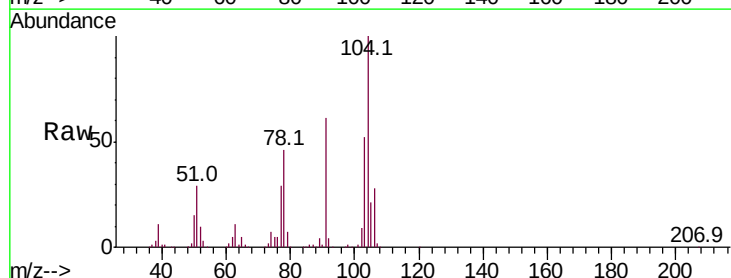


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

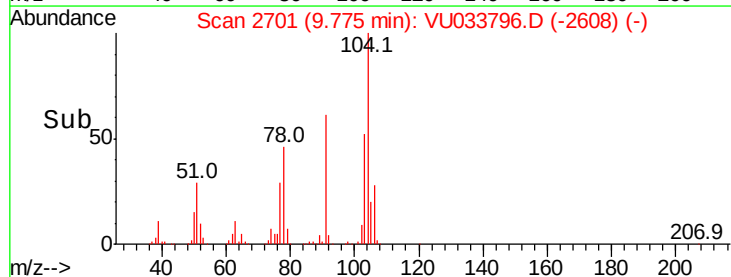
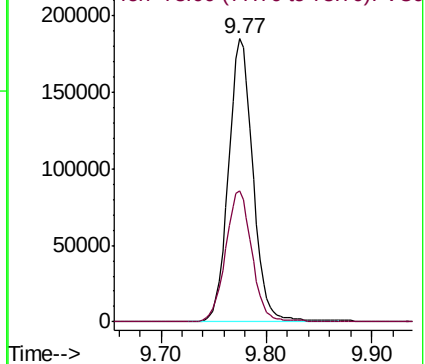


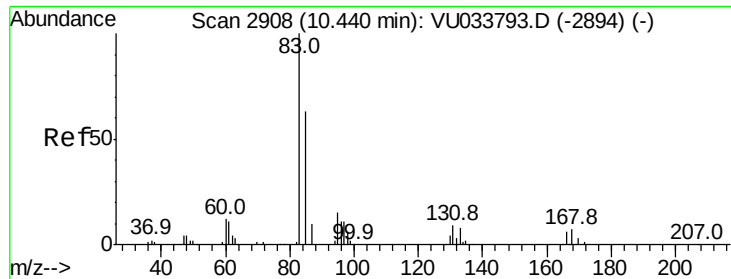
#55
Styrene
Concen: 5.521 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033796.D
Acq: 14 Aug 2019 12:20

Tgt Ion:104 Resp: 296900
Ion Ratio Lower Upper
104 100
78 46.1 31.8 59.0



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





#57

1,1,2,2-Tetrachloroethane

Concen: 4.835 ug/L

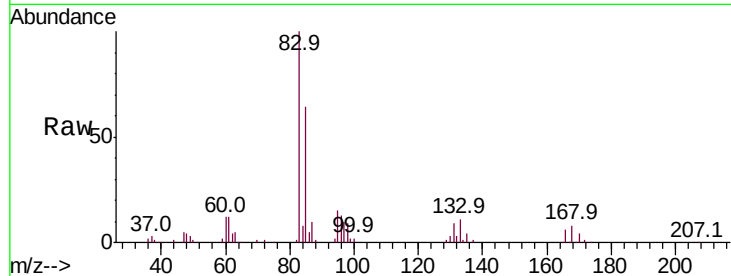
RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

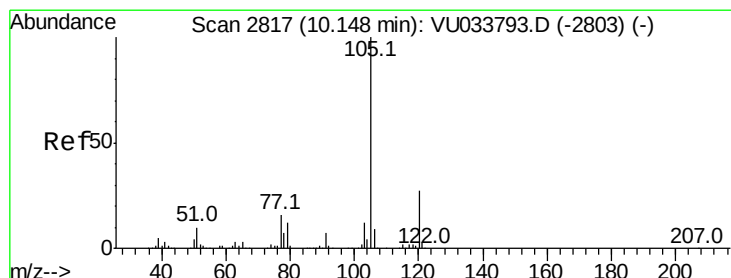
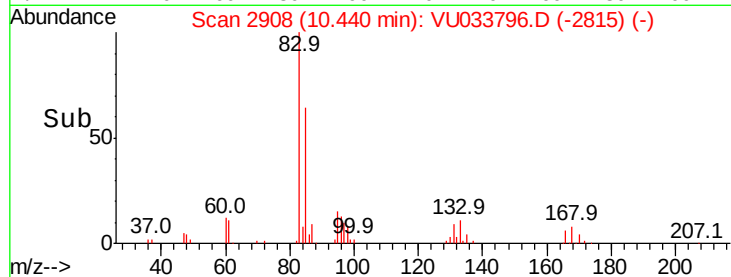
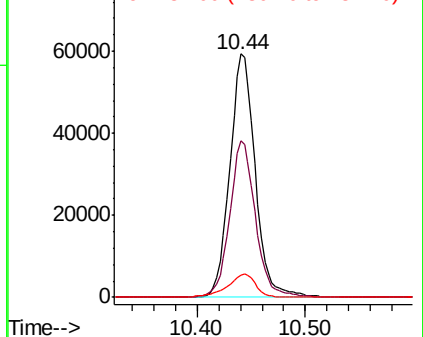
Tot Ion:	83	Resp:	97600
Ion	Ratio	Lower	Upper
83	100		
85	64.3	44.4	82.4
131	9.3	7.6	11.4



Abundance Ion 83.00 (82.70 to 83.70): VU033796.D (-2894) (-)

Ion 85.00 (84.70 to 85.70): VU033796.D (-2894) (-)

Ion 131.00 (130.70 to 131.70): VU033796.D (-2894) (-)



#59

Isopropylbenzene

Concen: 5.268 ug/L

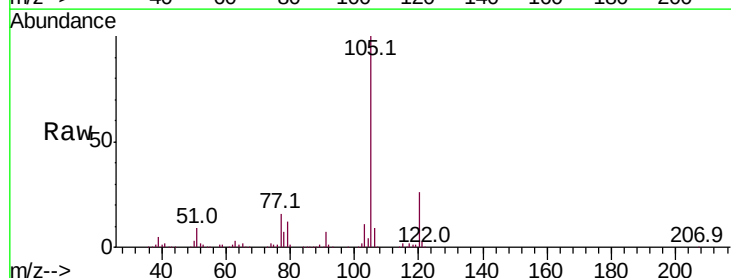
RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

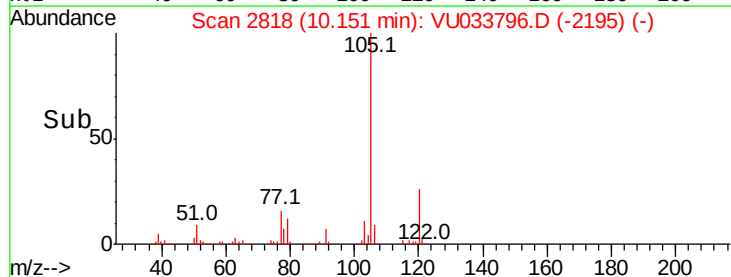
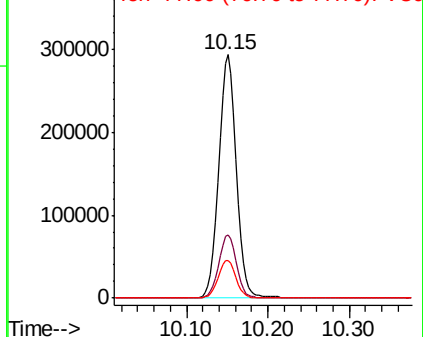
Tgt Ion:	105	Resp:	448112
Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.5	32.3
77	15.7	12.8	19.2

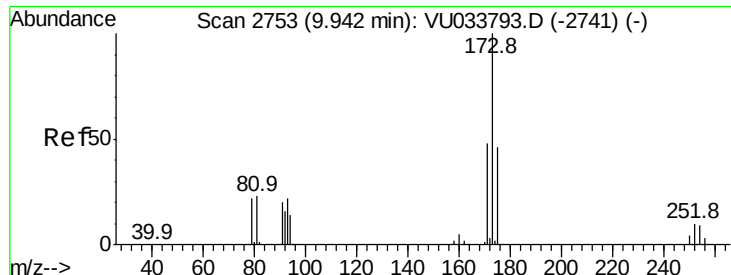


Abundance Ion 105.00 (104.70 to 105.70): VU033796.D (-2803) (-)

Ion 120.00 (119.70 to 120.70): VU033796.D (-2803) (-)

Ion 77.00 (76.70 to 77.70): VU033796.D (-2803) (-)





#60

Bromoform

Concen: 4.779 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

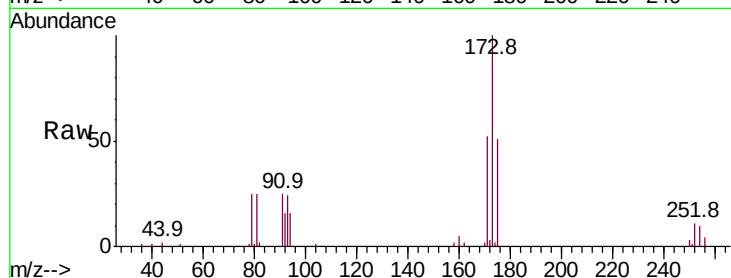
Tot Ion:173 Resp: 54461

Ion Ratio Lower Upper

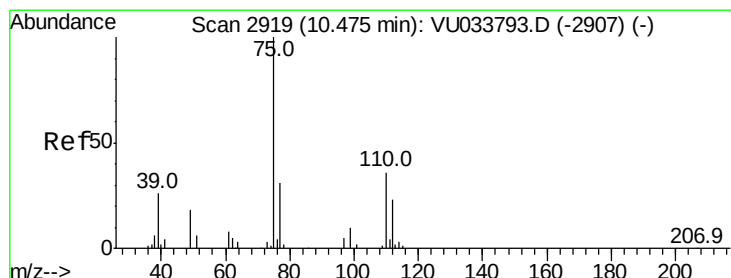
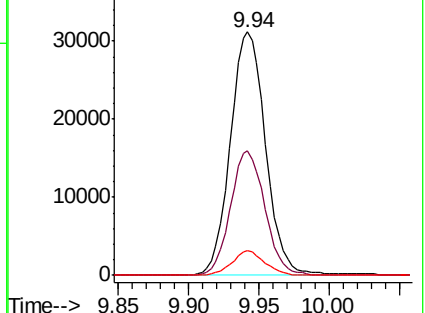
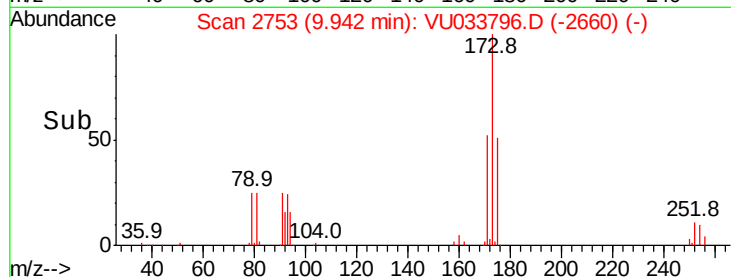
173 100

175 49.7 36.6 55.0

254 9.4 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: 4.769 ug/L

RT: 10.48 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VU033796.D

Acq: 14 Aug 2019 12:20

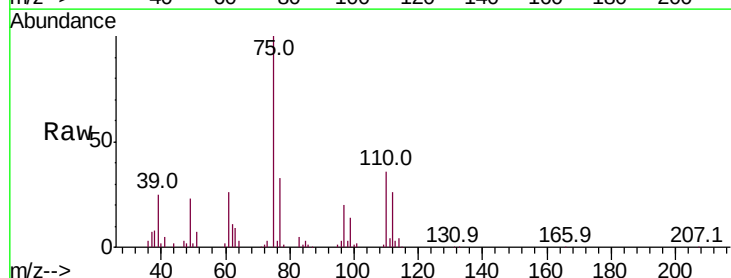
Tgt Ion: 75 Resp: 70658

Ion Ratio Lower Upper

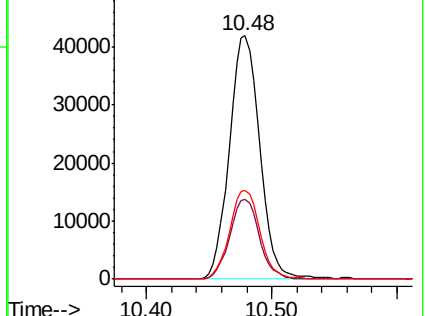
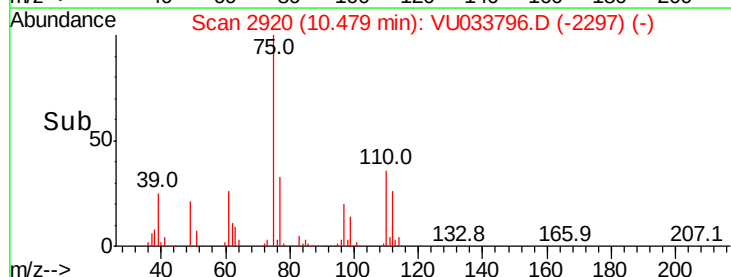
75 100

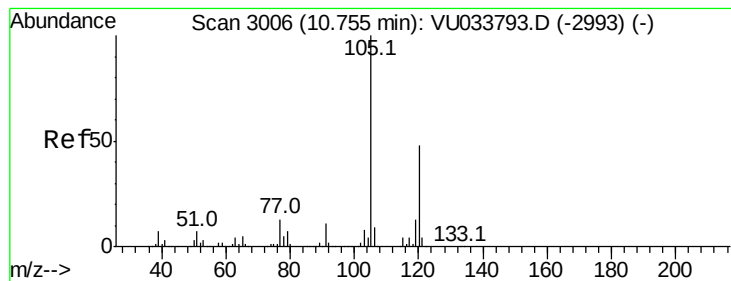
77 31.7 25.8 38.6

110 36.5 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: 5.342 ug/L

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033796.D

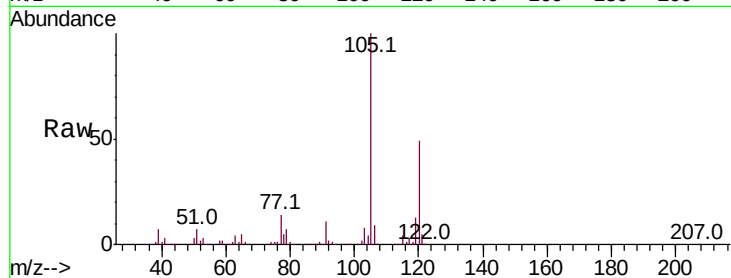
Acq: 14 Aug 2019 12:20

Tot Ion:105 Resp: 368721

Ion Ratio Lower Upper

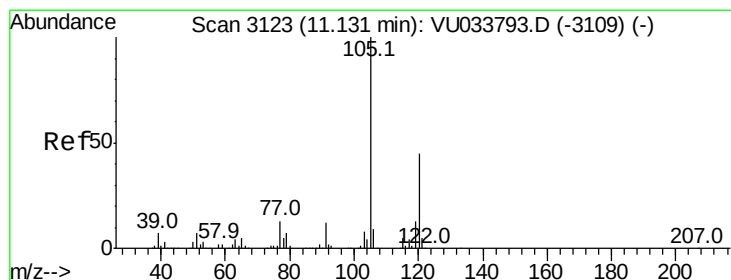
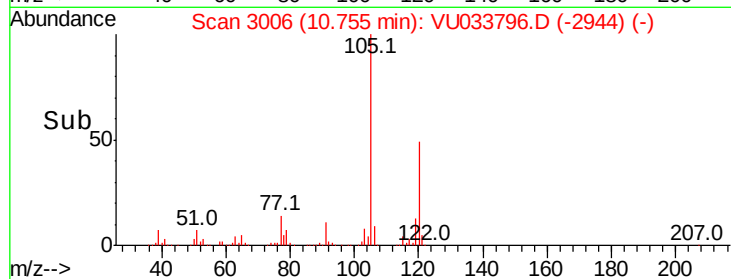
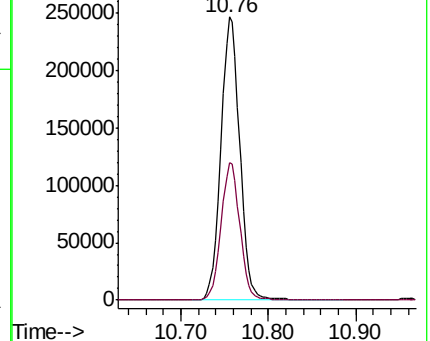
105 100

120 48.7 38.6 58.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 5.431 ug/L

RT: 11.13 min Scan# 3123

Delta R.T. 0.00 min

Lab File: VU033796.D

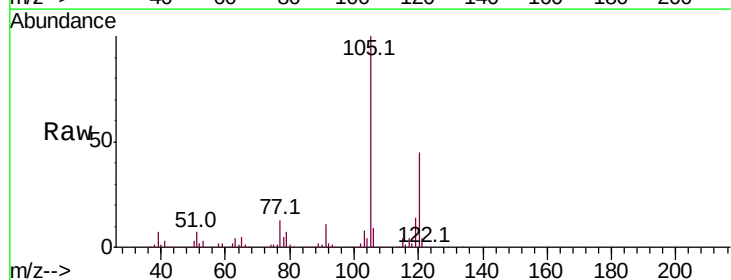
Acq: 14 Aug 2019 12:20

Tgt Ion:105 Resp: 374004

Ion Ratio Lower Upper

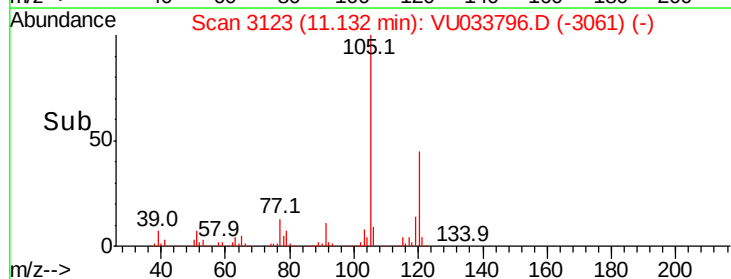
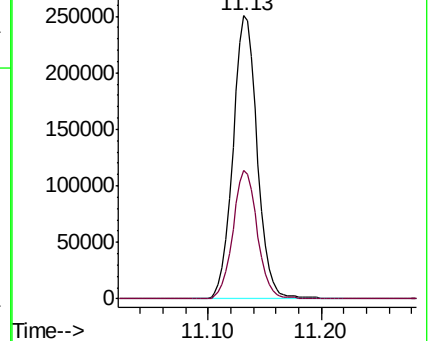
105 100

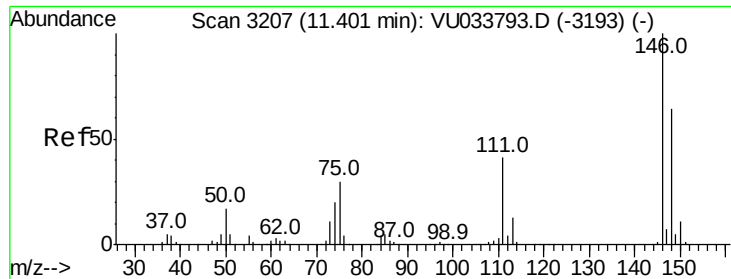
120 45.5 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

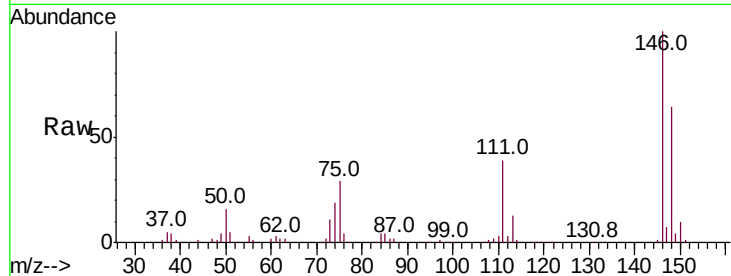
Ion 120.00 (119.70 to 120.70): V



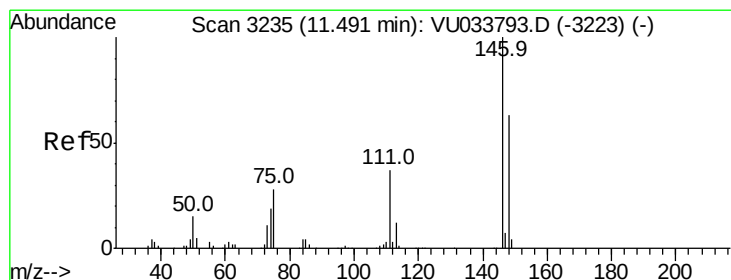
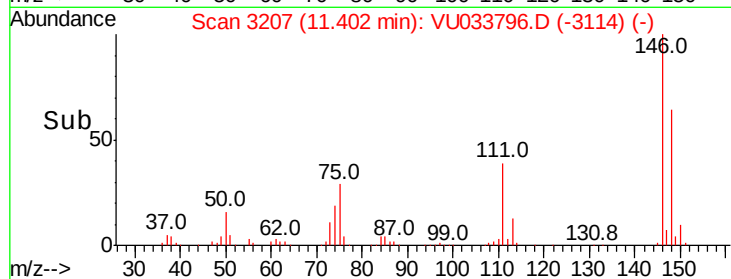
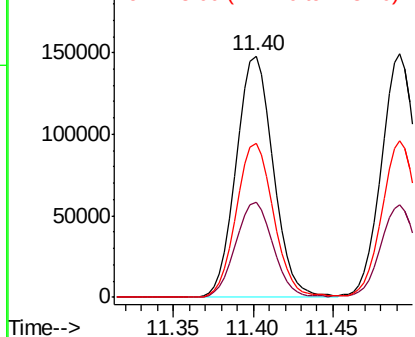


#64
 1,3-Dichlorobenzene
 Concen: 5.138 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU033796.D
 Acq: 14 Aug 2019 12:20

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	28.5	52.9
148	63.6	44.6	82.8

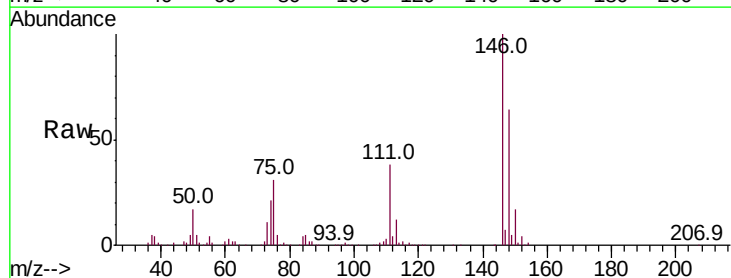


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

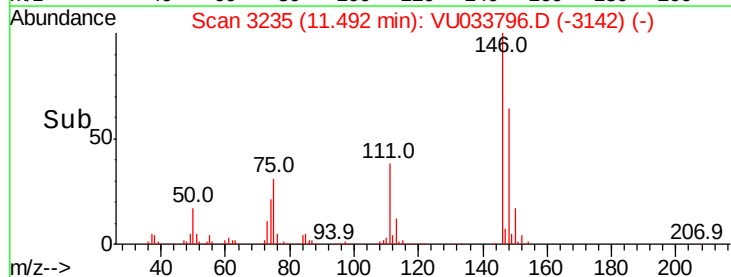
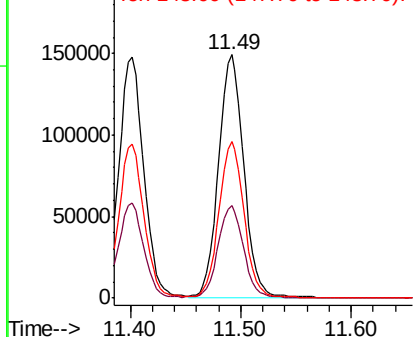


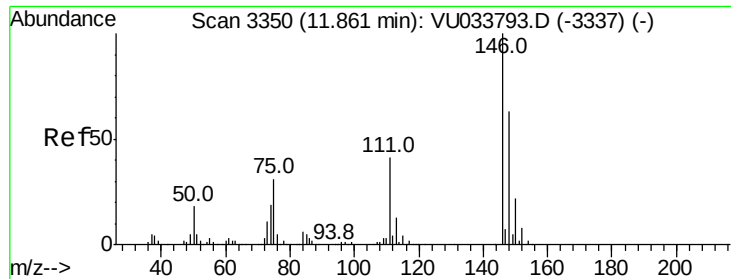
#65
 1,4-Dichlorobenzene
 Concen: 5.063 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033796.D
 Acq: 14 Aug 2019 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	26.2	48.8
148	64.4	44.2	82.0



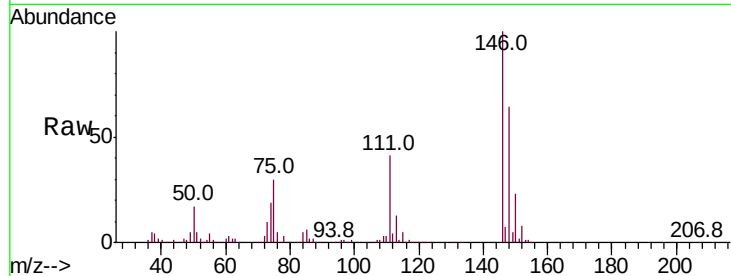
Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



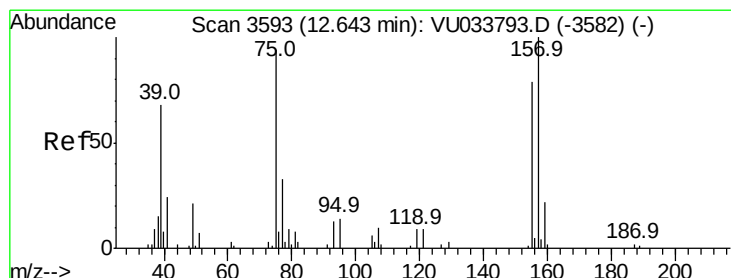
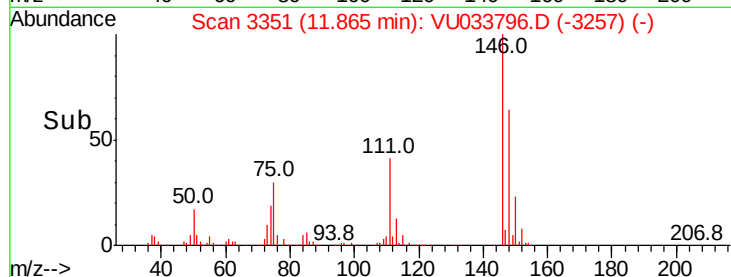
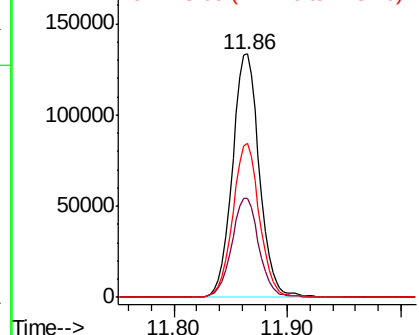


#67
 1,2-Dichlorobenzene
 Concen: 5.039 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033796.D
 Acq: 14 Aug 2019 12:20

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	32.7	49.1
148	63.5	50.6	76.0

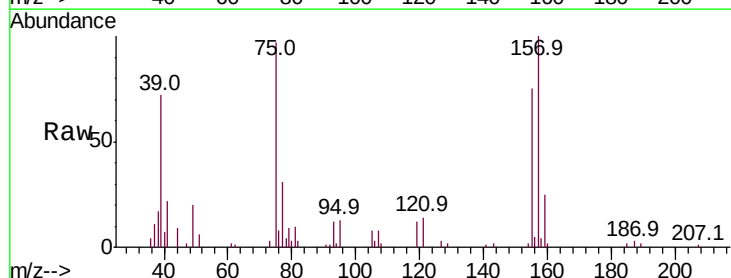


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

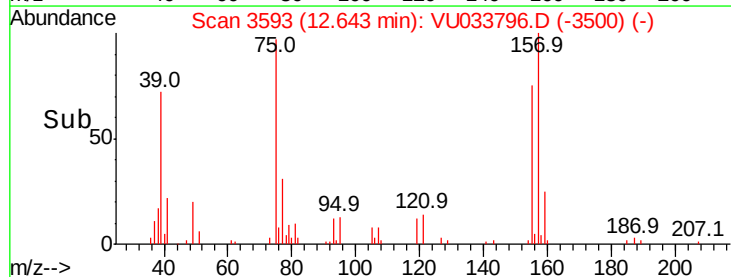
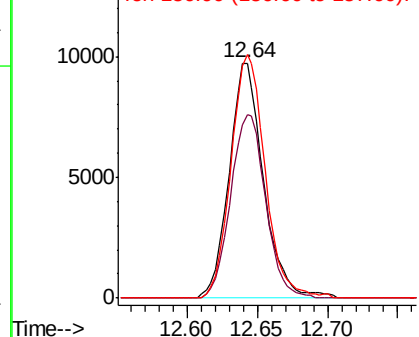


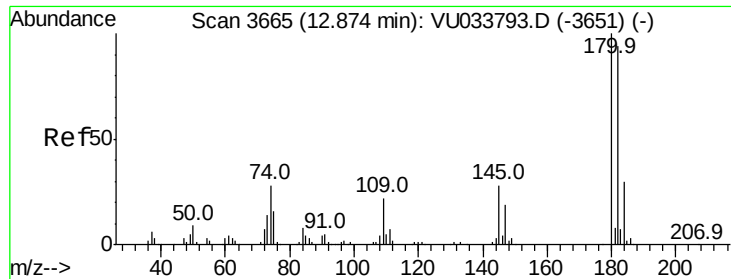
#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.116 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033796.D
 Acq: 14 Aug 2019 12:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.1	67.3	100.9
157	103.6	85.3	127.9



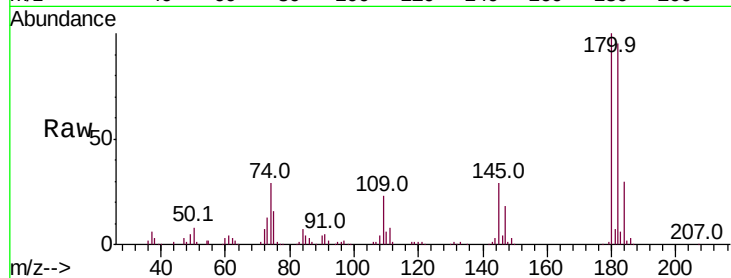
Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V



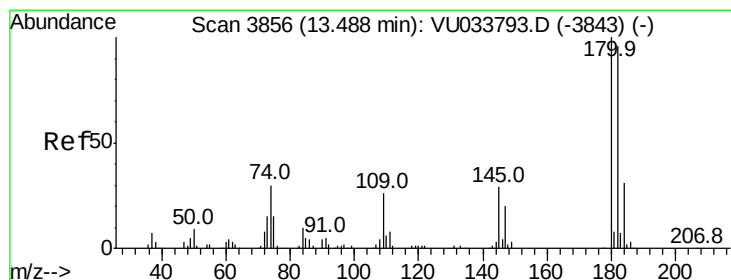
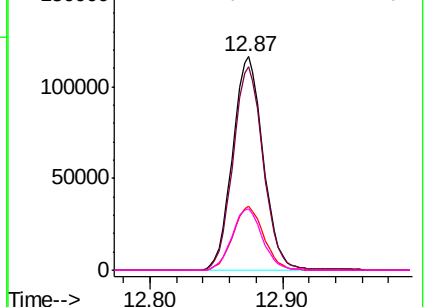
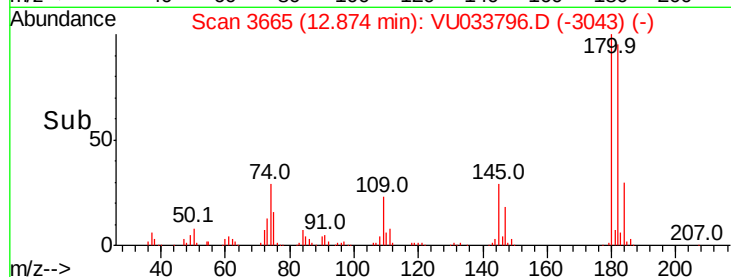


#69
 1,3,5-Trichlorobenzene
 Concen: 5.234 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033796.D
 Acq: 14 Aug 2019 12:20

Tot Ion:	180	Resp:	187244
Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.6	114.8
184	30.1	24.4	36.6
145	28.9	23.3	34.9

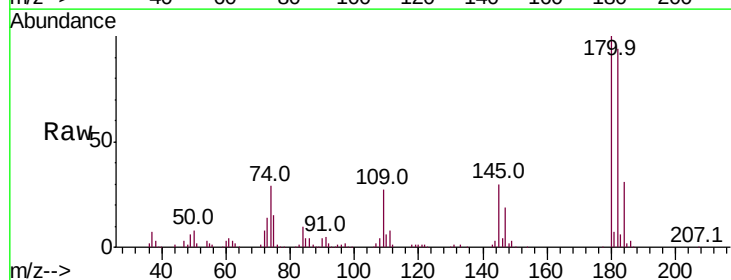


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

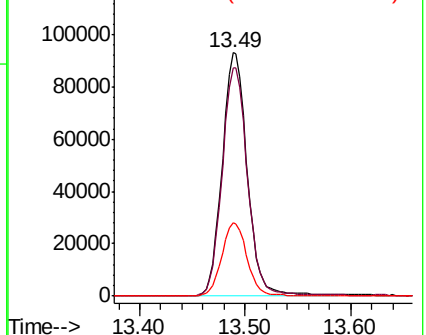
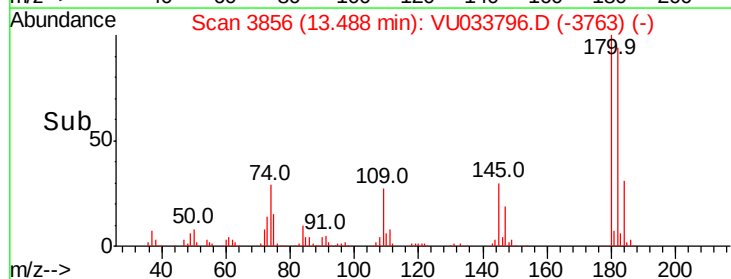


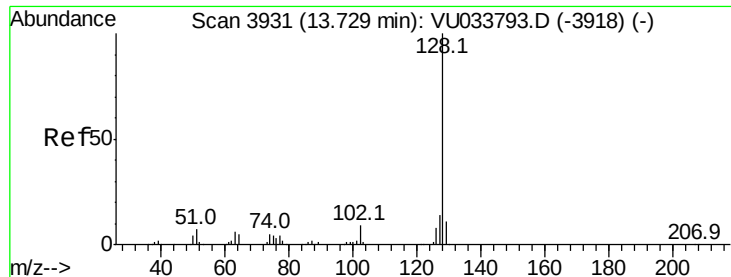
#70
 1,2,4-trichlorobenzene
 Concen: 5.528 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033796.D
 Acq: 14 Aug 2019 12:20

Tgt Ion:	180	Resp:	153917
Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.4	116.2
145	30.2	23.5	35.3



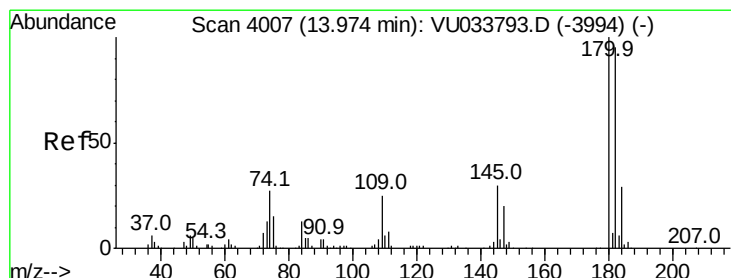
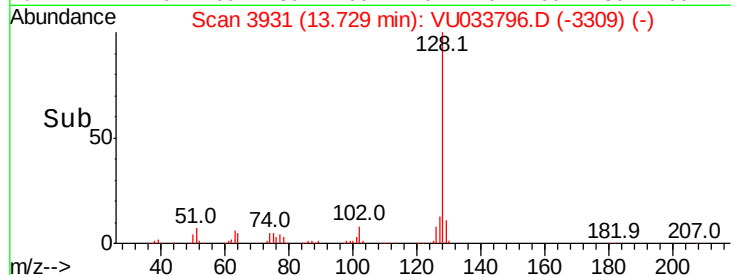
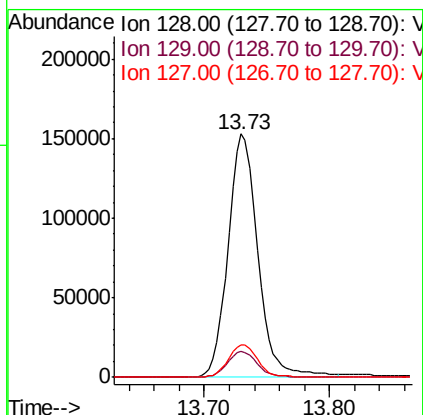
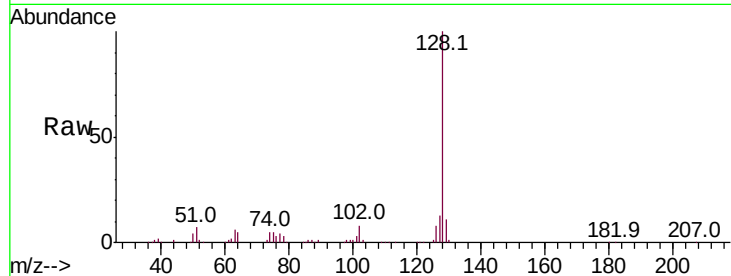
Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#71
Naphthalene
Concen: 5.909 ug/L
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033796.D
Acq: 14 Aug 2019 12:20

Tot Ion:128 Resp: 253337
Ion Ratio Lower Upper
128 100
129 10.9 8.5 12.7
127 13.3 11.2 16.8



#72
1,2,3-Trichlorobenzene
Concen: 5.713 ug/L
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU033796.D
Acq: 14 Aug 2019 12:20

Tgt Ion:180 Resp: 149905
Ion Ratio Lower Upper
180 100
182 94.7 75.7 113.5
145 30.3 24.3 36.5

