

Data File : VV010213.D
Acq On : 10 Apr 2019 13:32
Operator : SY/MD
Sample : VSTD05091
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 10 14:04:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 10 13:55:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	302644	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	295227	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	157026	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	164832	40.68	ug/L	0.00
7) Chloroethane-d5	1.57	69	145007	28.81	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	431016	42.17	ug/L	0.00
20) 2-Butanone-d5	3.93	46	98406	85.35	ug/L	0.00
24) Chloroform-d	4.40	84	347496	45.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	195456	45.82	ug/L	0.00
29) Benzene-d6	5.10	84	698458	45.62	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	203909	45.13	ug/L	0.00
37) Toluene-d8	7.36	98	702309	47.61	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	95309	49.35	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	79267	87.47	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	190036	42.65	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	280860	45.92	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	238027	54.378	ug/L	97
3) Chloromethane	1.25	50	195715	50.173	ug/L	99
5) Vinyl chloride	1.32	62	211884	49.870	ug/L	99
6) Bromomethane	1.51	94	191102	39.762	ug/L	100
8) Chloroethane	1.59	64	129412	34.843	ug/L	99
9) Trichlorofluoromethane	1.76	101	420393	48.003	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	217905	44.744	ug/L	98
12) 1,1-Dichloroethene	2.14	96	198946	48.082	ug/L	98
13) Acetone	2.19	43	81610	71.596	ug/L	98
14) Carbon disulfide	2.31	76	510894	59.496	ug/L	99
15) Methyl Acetate	2.45	43	83628	45.851	ug/L	97
16) Methylene chloride	2.53	84	223483	42.030	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	448154	50.573	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	190297	52.654	ug/L	93
19) 1,1-Dichloroethane	3.23	63	312842	50.947	ug/L	98
21) 2-Butanone	4.01	43	112243	89.913	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	207400	51.682	ug/L	95
23) Bromochloromethane	4.30	128	105344	54.103	ug/L	97
25) Chloroform	4.42	83	360737	52.422	ug/L	99
27) 1,2-Dichloroethane	5.18	62	237386	50.572	ug/L	99
30) Cyclohexane	4.72	56	275588	51.712	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	313890	52.133	ug/L	98
32) Carbon tetrachloride	4.87	117	292812	54.410	ug/L	100
34) Benzene	5.15	78	738849	51.177	ug/L	100
35) Trichloroethene	5.96	95	214331	51.578	ug/L	98
36) Methylcyclohexane	6.18	83	333030	53.496	ug/L	98
40) 1,2-Dichloropropane	6.22	63	180249	49.413	ug/L	100
41) Bromodichloromethane	6.55	83	254297	53.605	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	301957	57.185	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	241871	89.617	ug/L	99

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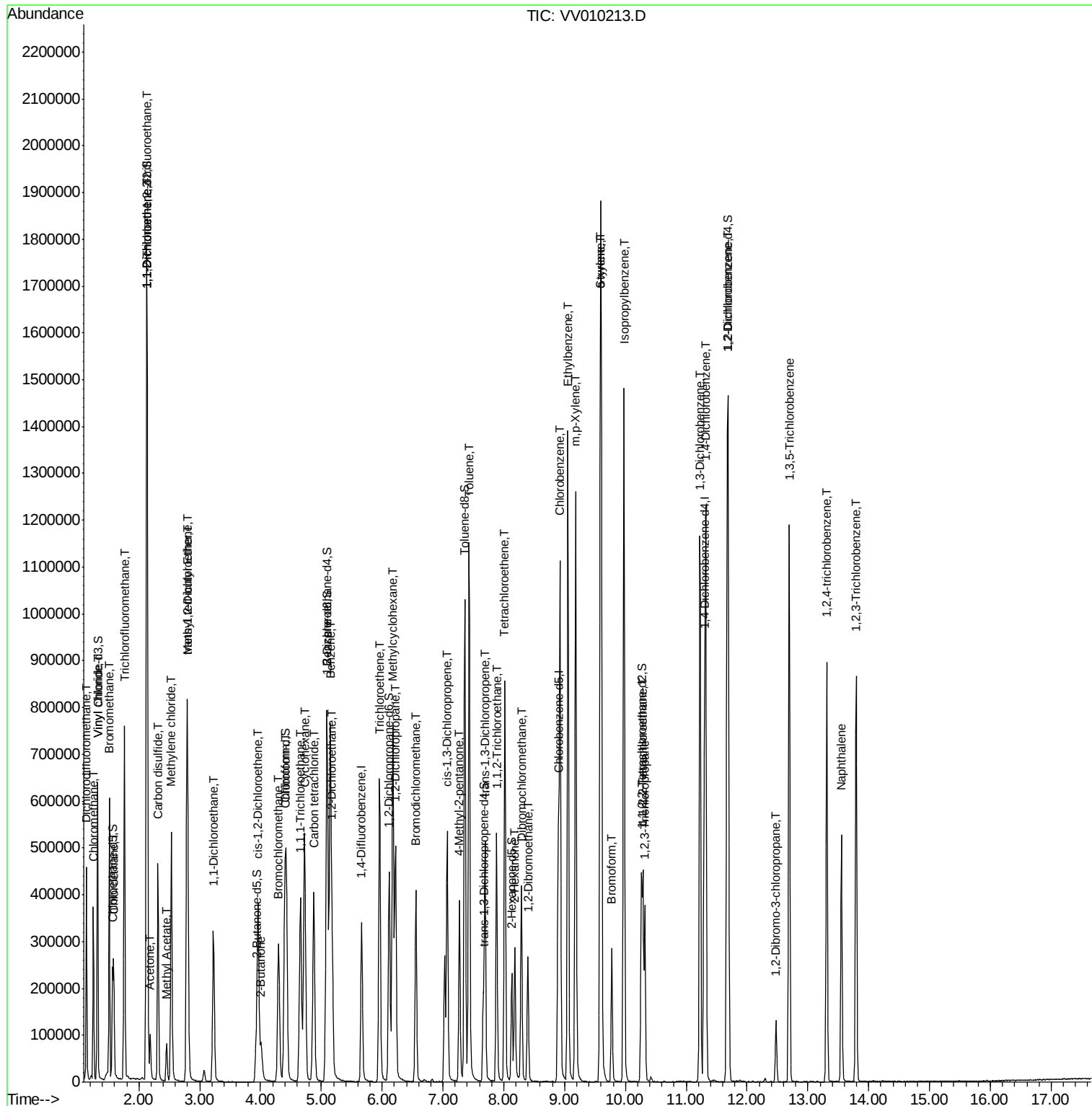
Quant Time: Apr 10 14:04:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 10 13:55:42 2019
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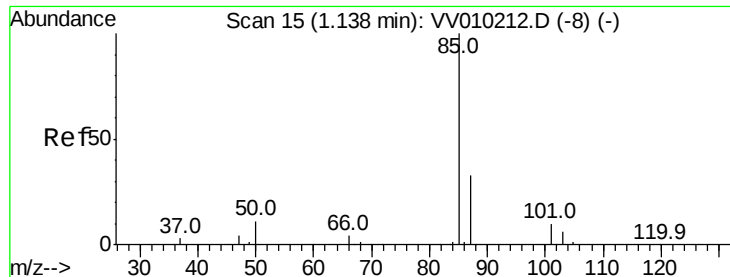
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) Toluene	7.43	91	852825	52.633	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	256417	57.097	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	156788	48.473	ug/L	98
47) Tetrachloroethene	8.02	164	189371	54.443	ug/L	97
49) 2-Hexanone	8.18	43	164804	85.490	ug/L	97
50) Dibromochloromethane	8.29	129	205166	56.584	ug/L	99
51) 1,2-Dibromoethane	8.40	107	161346	50.475	ug/L	97
52) Chlorobenzene	8.92	112	580351	52.511	ug/L	98
53) Ethylbenzene	9.05	91	942239	53.031	ug/L	100
54) m,p-Xylene	9.18	106	383177	55.408	ug/L	100
55) o-xylene	9.59	106	367540	54.858	ug/L	96
56) Styrene	9.60	104	622311	56.151	ug/L	100
57) Isopropylbenzene	9.97	105	957169	54.172	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	192312	46.292	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	138770	46.584	ug/L	97
62) Bromoform	9.77	173	122032	55.255	ug/L	96
63) 1,3-Dichlorobenzene	11.23	146	476150	51.661	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	483245	50.333	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	454859	50.237	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	26759	43.587	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	363497	53.109	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	271485	51.798	ug/L	96
69) Naphthalene	13.55	128	411873	47.234	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	250124	51.116	ug/L	99

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

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Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM041019S.M
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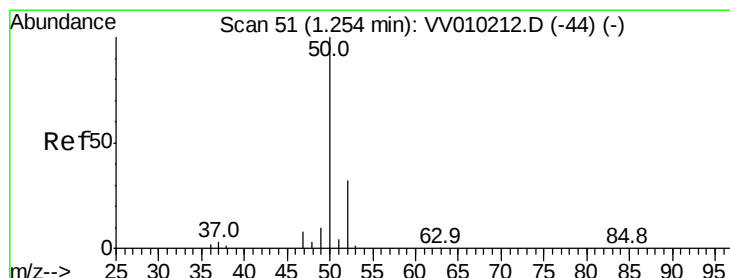
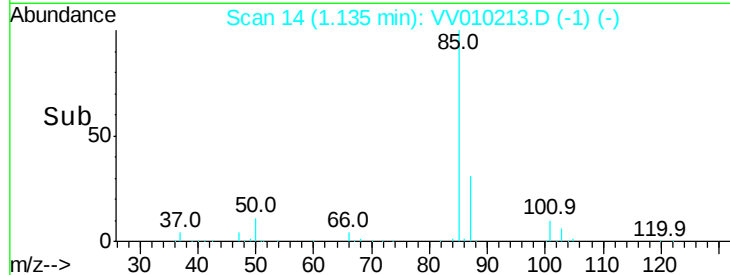
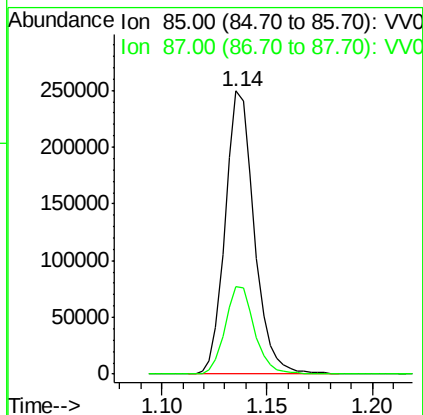
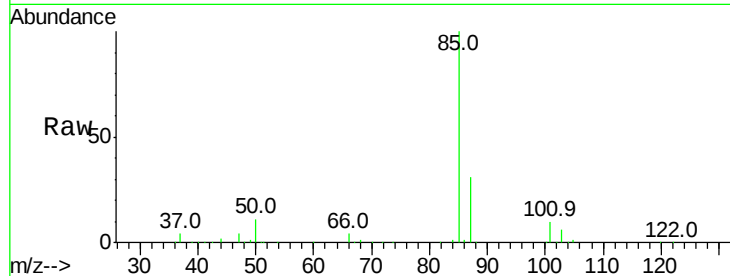




#2
Dichlorodifluoromethane
Concen: 54.378 ug/L
RT: 1.14 min Scan# 14
Delta R.T. -0.00 min
Lab File: VV010213.D
Acq: 10 Apr 2019 13:32

Tgt Ion: 85 Resp: 238027

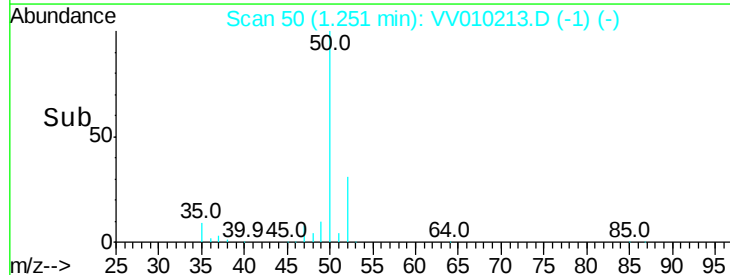
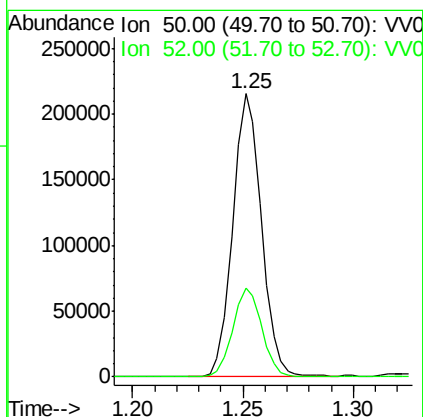
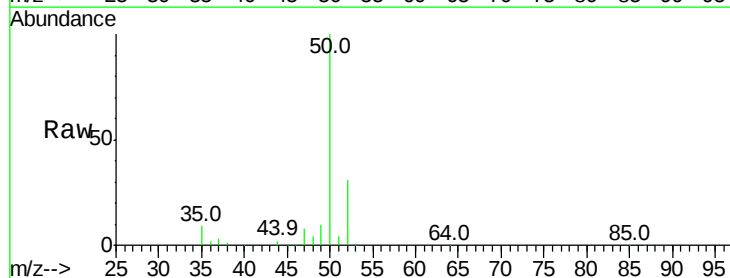
Ion	Ratio	Lower	Upper
85	100		
87	31.6	23.3	43.3

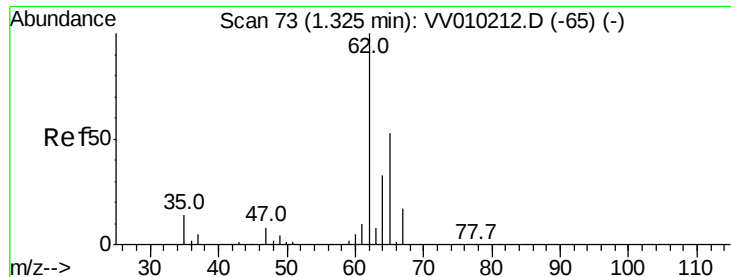


#3
Chloromethane
Concen: 50.173 ug/L
RT: 1.25 min Scan# 50
Delta R.T. -0.00 min
Lab File: VV010213.D
Acq: 10 Apr 2019 13:32

Tgt Ion: 50 Resp: 195715

Ion	Ratio	Lower	Upper
50	100		
52	31.4	22.4	41.6





#5

Vinyl chloride

Concen: 49.870 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010213.D

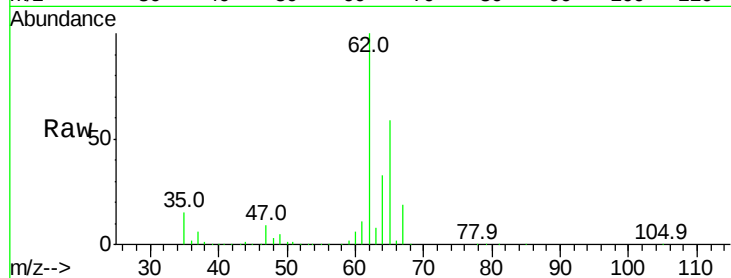
Acq: 10 Apr 2019 13:32

Tgt Ion: 62 Resp: 211884

Ion Ratio Lower Upper

62 100

64 33.0 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

250000

200000

150000

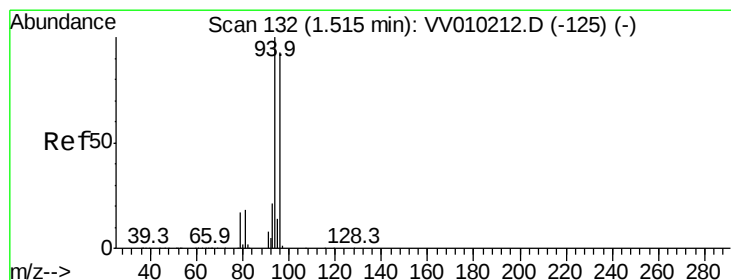
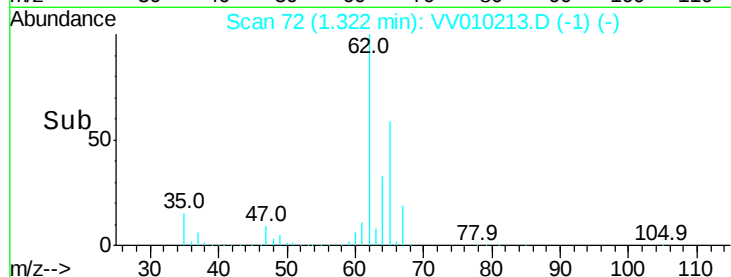
100000

50000

0

1.30 1.32 1.35

Time-->



#6

Bromomethane

Concen: 39.762 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.00 min

Lab File: VV010213.D

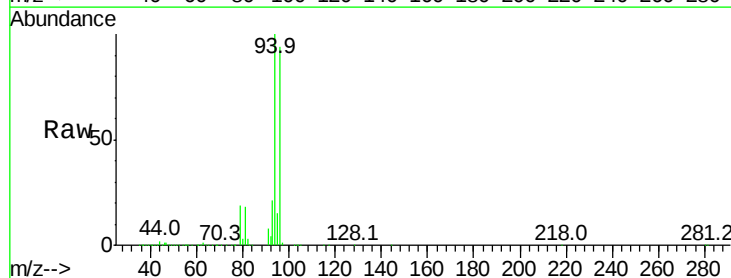
Acq: 10 Apr 2019 13:32

Tgt Ion: 94 Resp: 191102

Ion Ratio Lower Upper

94 100

96 94.2 9.4 179.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

200000

150000

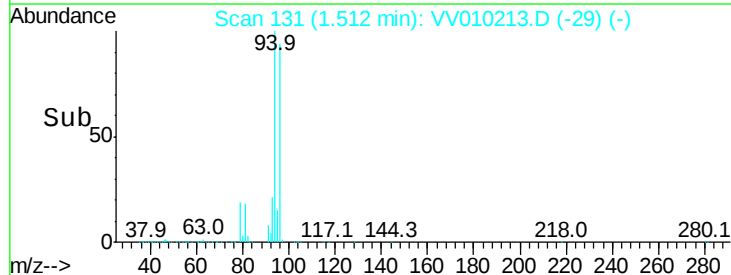
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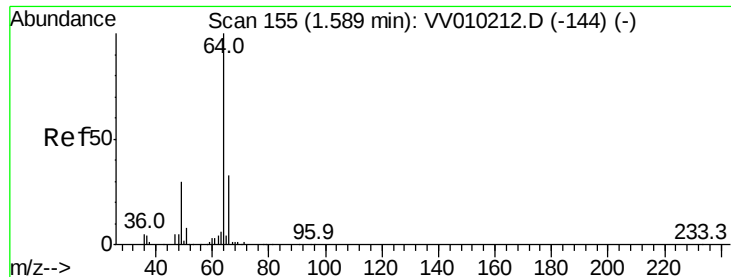
50000

0

1.50 1.51 1.55

Time-->





#8

Chloroethane

Concen: 34.843 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV010213.D

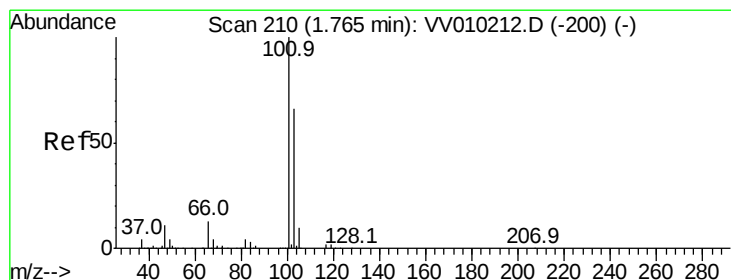
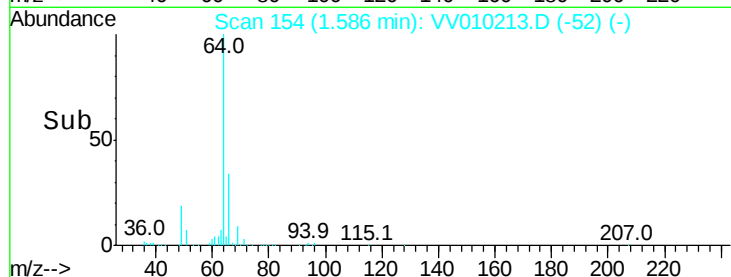
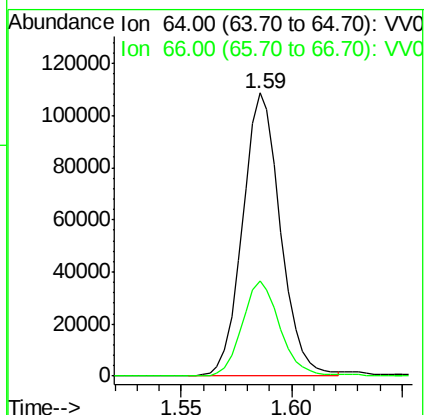
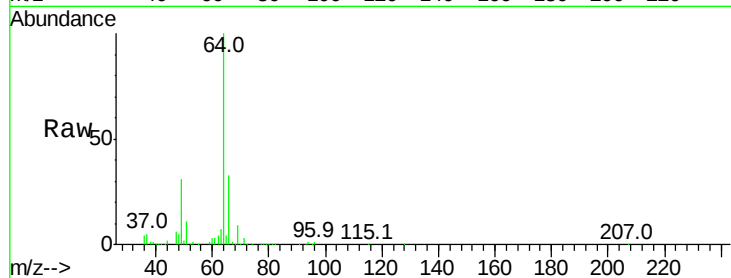
Acq: 10 Apr 2019 13:32

Tgt Ion: 64 Resp: 129412

Ion Ratio Lower Upper

64 100

66 33.4 22.8 42.4



#9

Trichlorofluoromethane

Concen: 48.003 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV010213.D

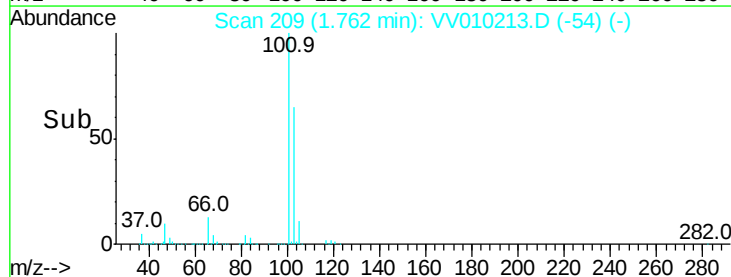
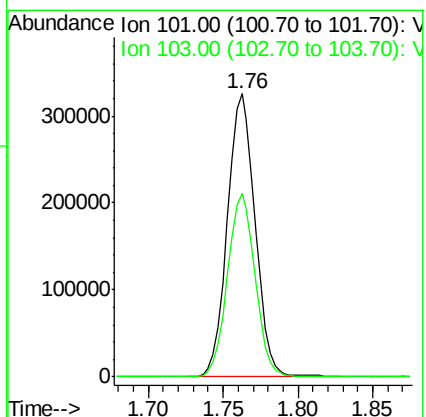
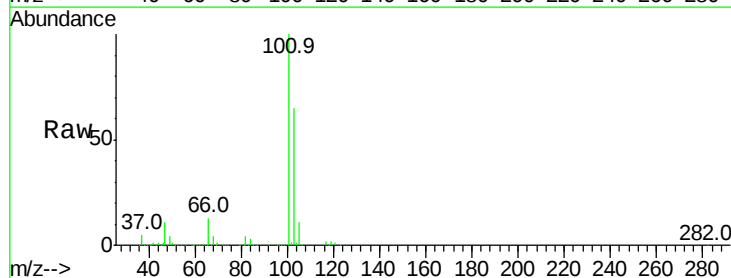
Acq: 10 Apr 2019 13:32

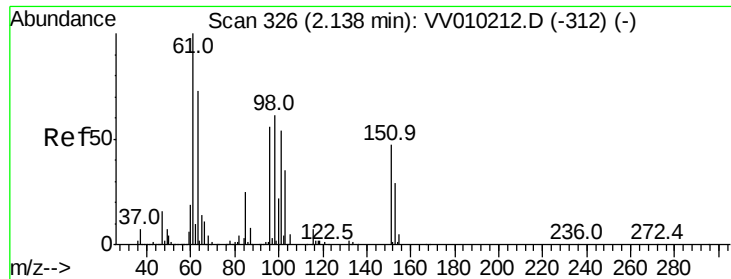
Tgt Ion: 101 Resp: 420393

Ion Ratio Lower Upper

101 100

103 64.3 44.8 83.2





#11

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

Concen: 44.744 ug/L

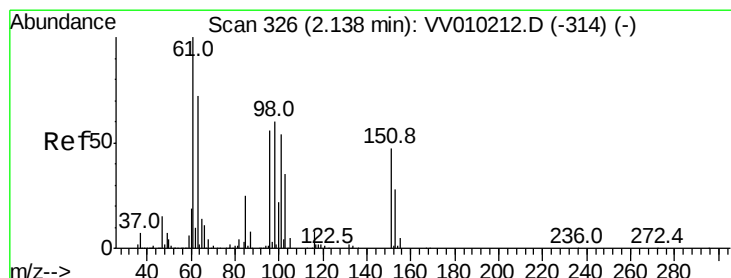
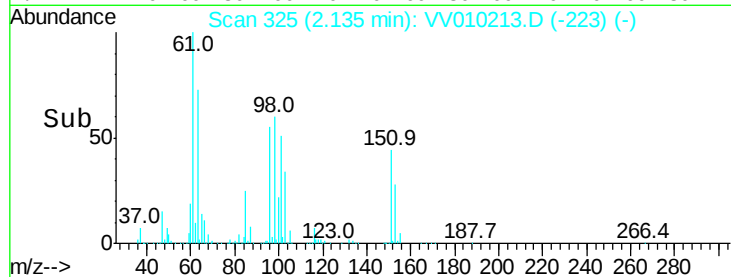
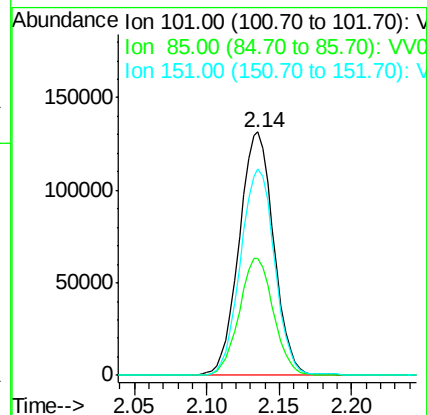
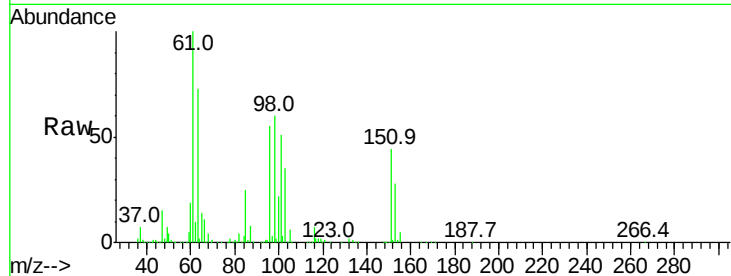
RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010213.D

Acq: 10 Apr 2019 13:32

Tgt Ion:	101	Resp:	217905
Ion	Ratio	Lower	Upper
101	100		
85	47.5	36.7	55.1
151	84.0	68.1	102.1



#12

1,1-Dichloroethene

Concen: 48.082 ug/L

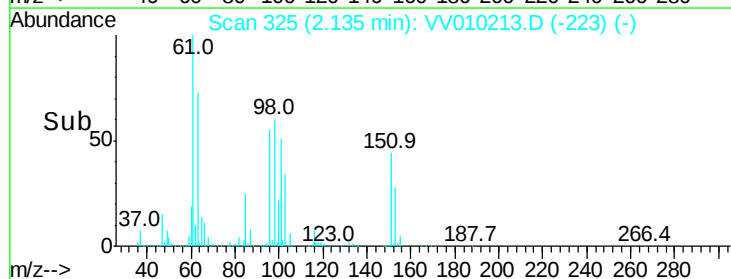
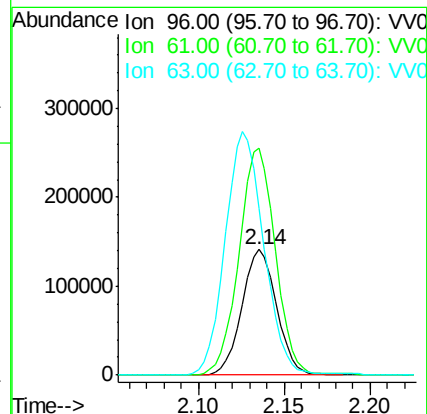
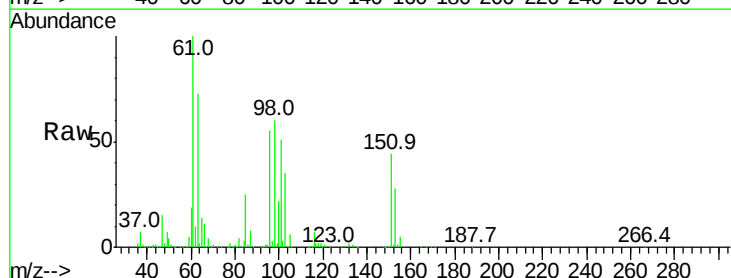
RT: 2.14 min Scan# 325

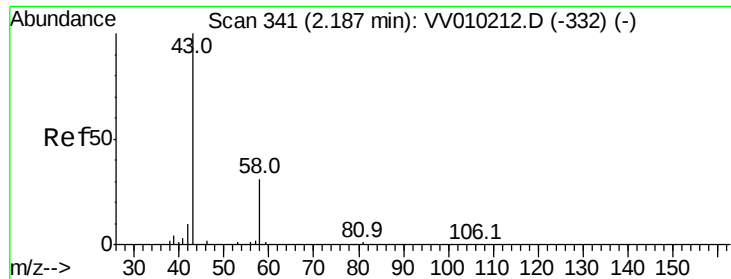
Delta R.T. -0.00 min

Lab File: VV010213.D

Acq: 10 Apr 2019 13:32

Tgt Ion:	96	Resp:	198946
Ion	Ratio	Lower	Upper
96	100		
61	181.0	125.3	232.7
63	133.0	91.3	169.6





#13

Acetone

Concen: 71.596 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV010213.D

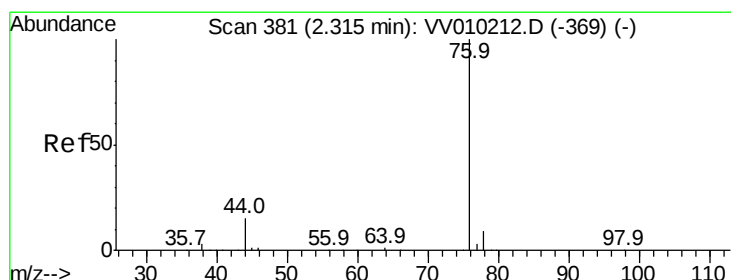
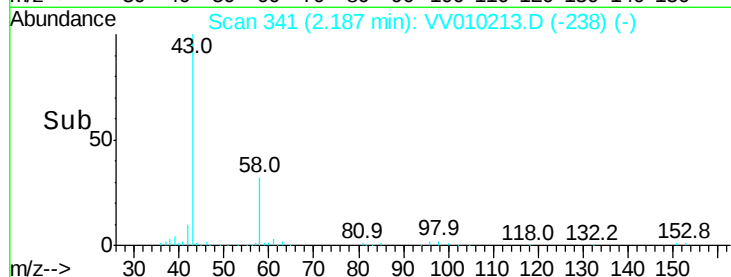
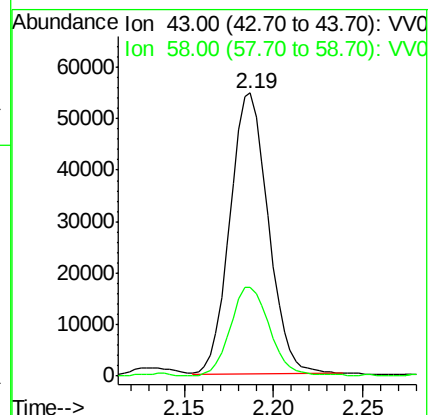
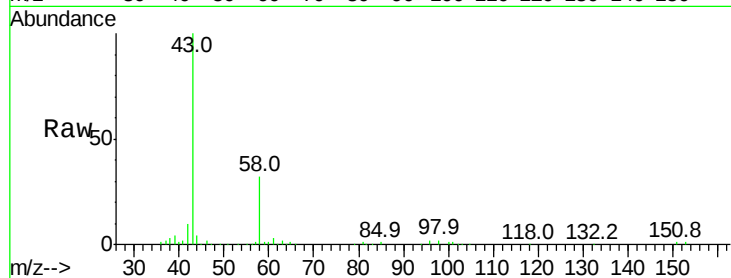
Acq: 10 Apr 2019 13:32

Tgt Ion: 43 Resp: 81610

Ion Ratio Lower Upper

43 100

58 32.2 0.0 61.6



#14

Carbon disulfide

Concen: 59.496 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV010213.D

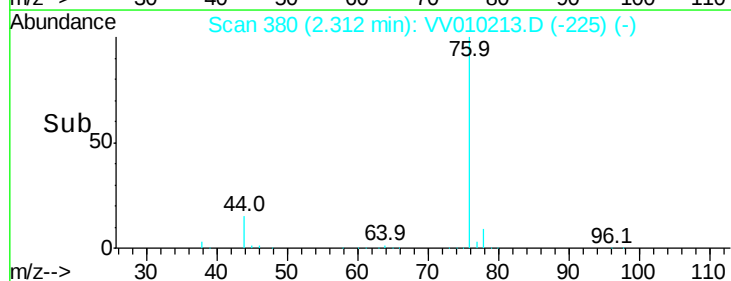
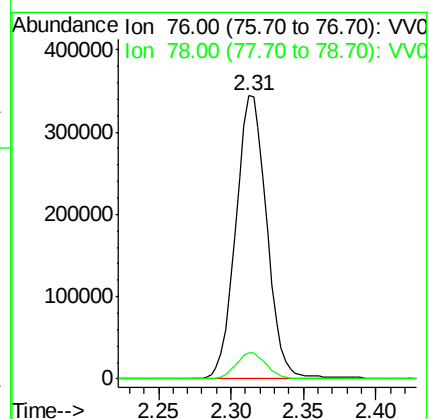
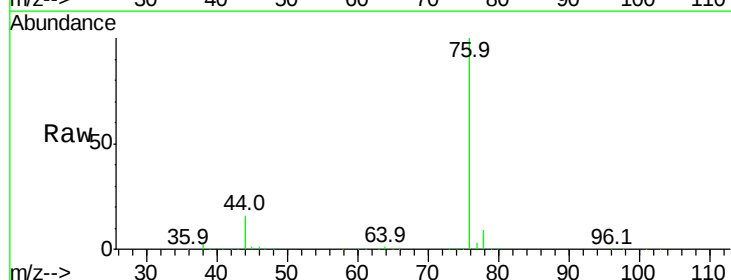
Acq: 10 Apr 2019 13:32

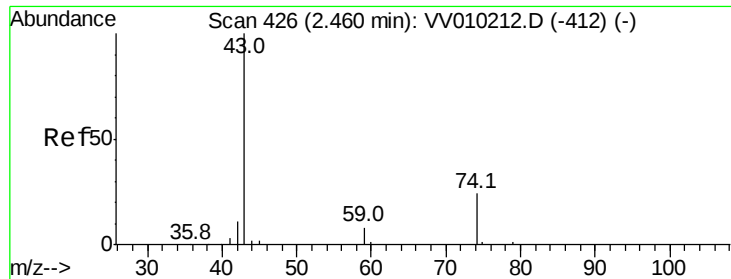
Tgt Ion: 76 Resp: 510894

Ion Ratio Lower Upper

76 100

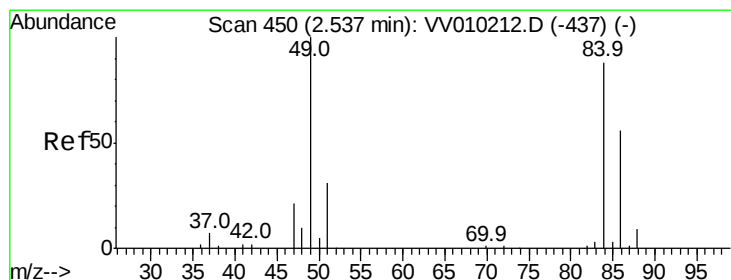
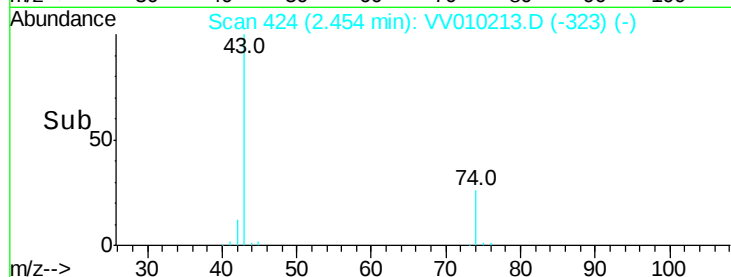
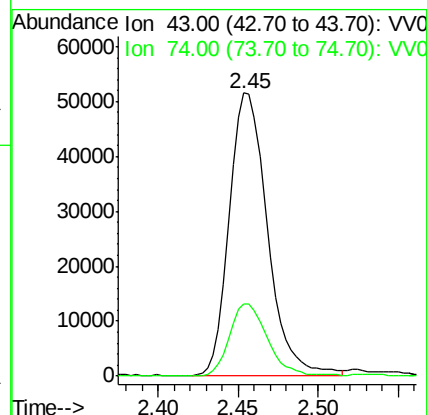
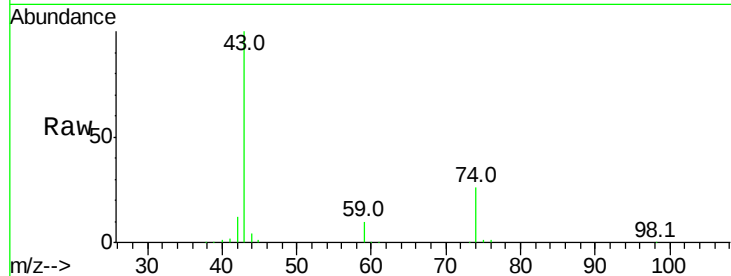
78 9.2 7.0 10.4





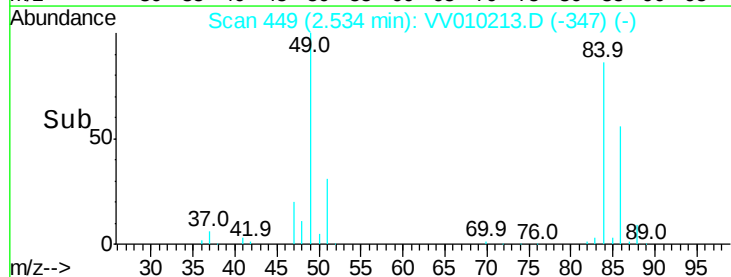
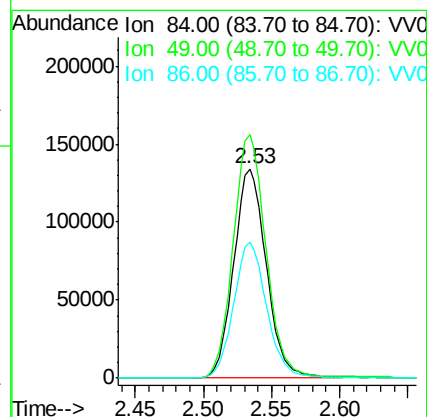
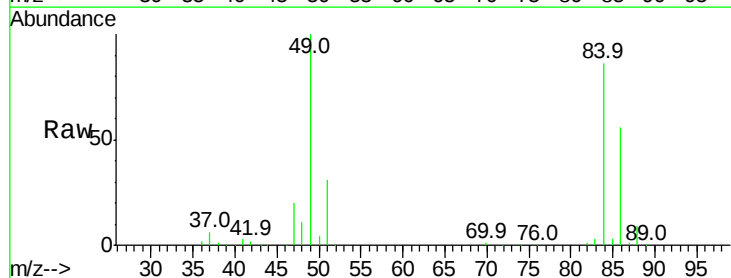
#15
Methyl Acetate
Concen: 45.851 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.01 min
Lab File: VV010213.D
Acq: 10 Apr 2019 13:32

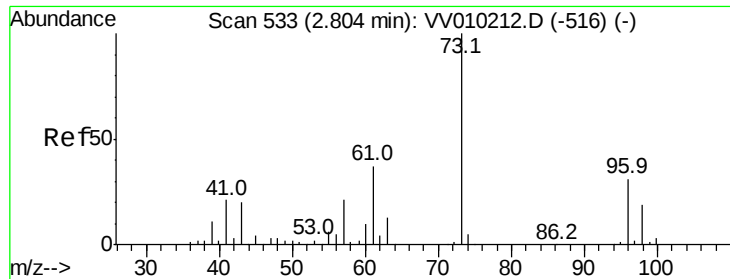
Tgt Ion: 43 Resp: 83628
Ion Ratio Lower Upper
43 100
74 25.4 19.3 28.9



#16
Methylene chloride
Concen: 42.030 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010213.D
Acq: 10 Apr 2019 13:32

Tgt Ion: 84 Resp: 223483
Ion Ratio Lower Upper
84 100
49 116.1 79.9 148.5
86 65.0 44.5 82.7

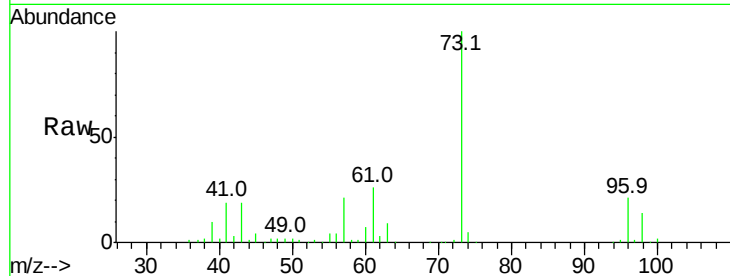




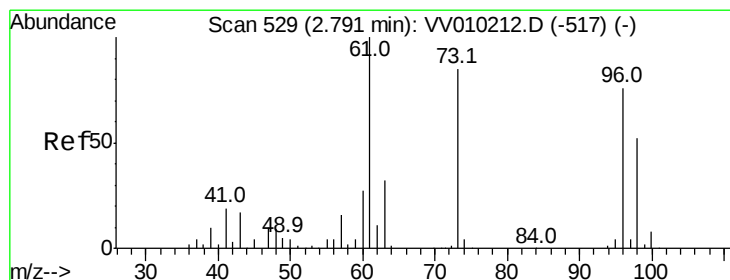
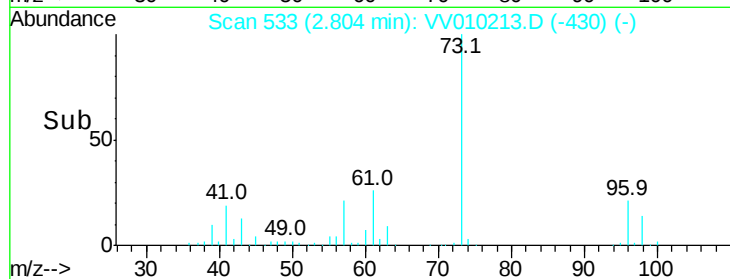
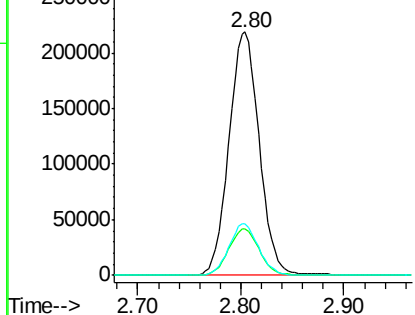
#17
Methyl tert-butyl Ether
Concen: 50.573 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV010213.D
Acq: 10 Apr 2019 13:32

Tgt Ion: 73 Resp: 448154

Ion	Ratio	Lower	Upper
73	100		
43	19.1	16.0	24.0
57	20.7	16.6	24.8



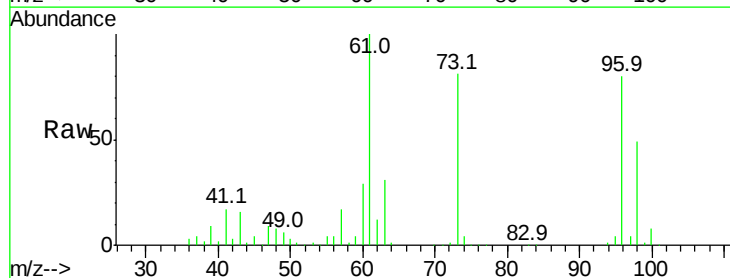
Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0



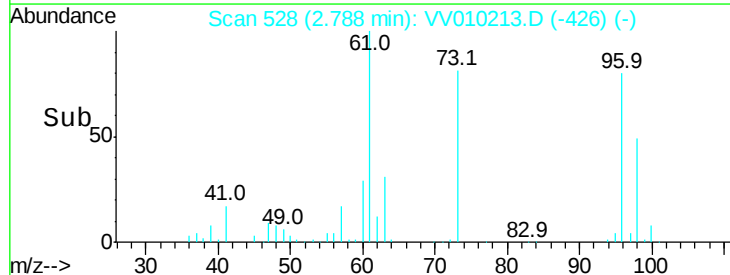
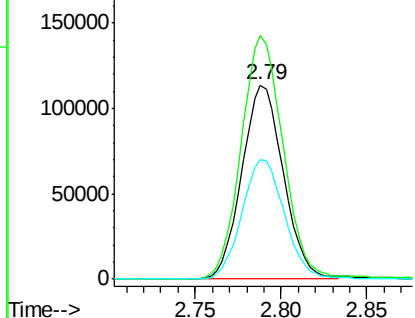
#18
trans-1,2-Dichloroethene
Concen: 52.654 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV010213.D
Acq: 10 Apr 2019 13:32

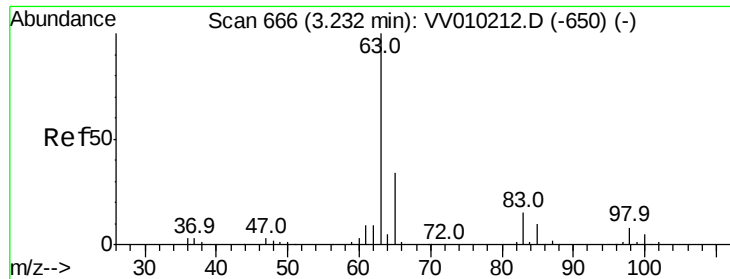
Tgt Ion: 96 Resp: 190297

Ion	Ratio	Lower	Upper
96	100		
61	125.4	92.5	171.9
98	61.7	47.9	89.1



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0





#19

1,1-Dichloroethane

Concen: 50.947 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV010213.D

Acq: 10 Apr 2019 13:32

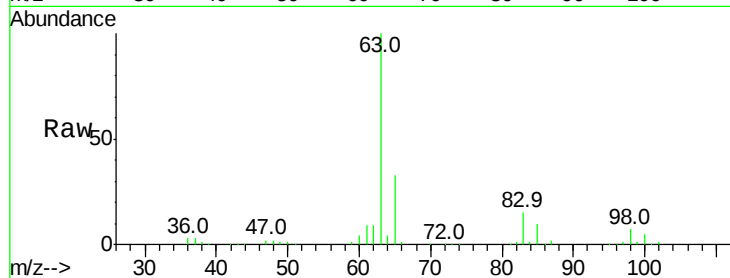
Tgt Ion: 63 Resp: 312842

Ion Ratio Lower Upper

63 100

65 32.6 23.8 44.2

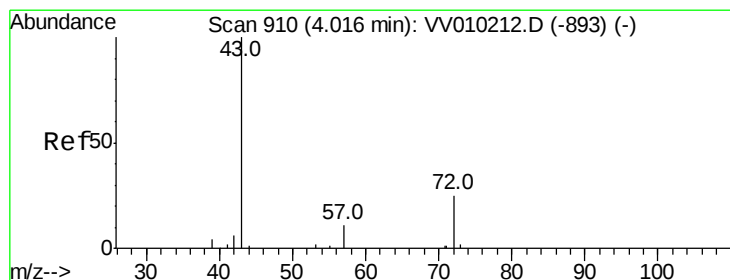
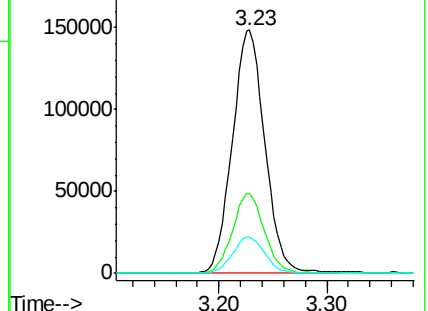
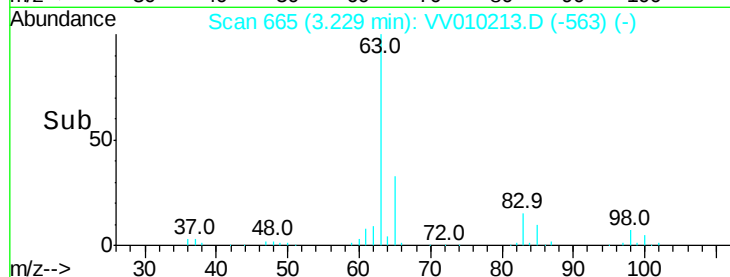
83 14.7 10.8 20.0



Abundance Ion 63.00 (62.70 to 63.70): VV010213.D (-650) (-)

Ion 65.00 (64.70 to 65.70): VV010213.D (-650) (-)

Ion 83.00 (82.70 to 83.70): VV010213.D (-650) (-)



#21

2-Butanone

Concen: 89.913 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.01 min

Lab File: VV010213.D

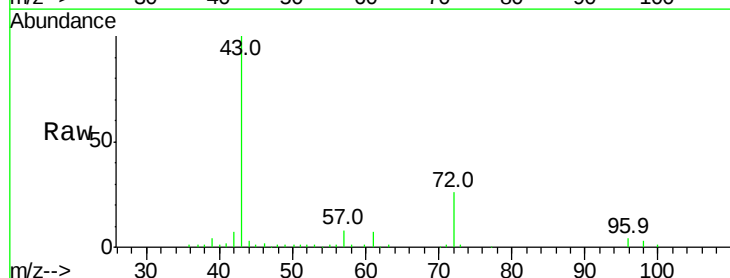
Acq: 10 Apr 2019 13:32

Tgt Ion: 43 Resp: 112243

Ion Ratio Lower Upper

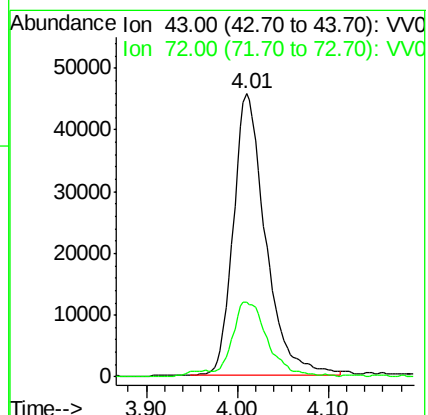
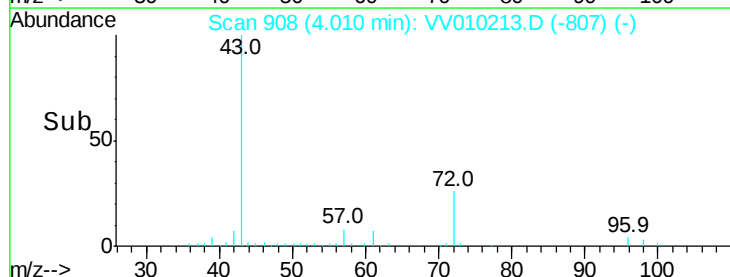
43 100

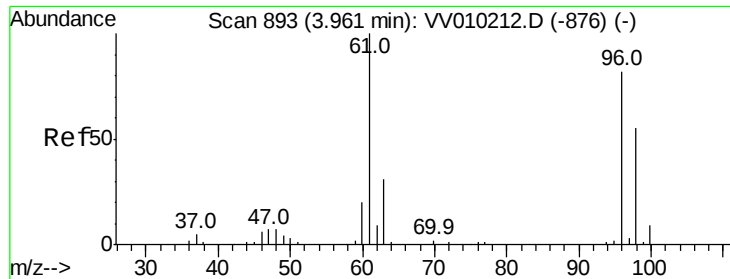
72 28.1 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VV010213.D (-807) (-)

Ion 72.00 (71.70 to 72.70): VV010213.D (-807) (-)

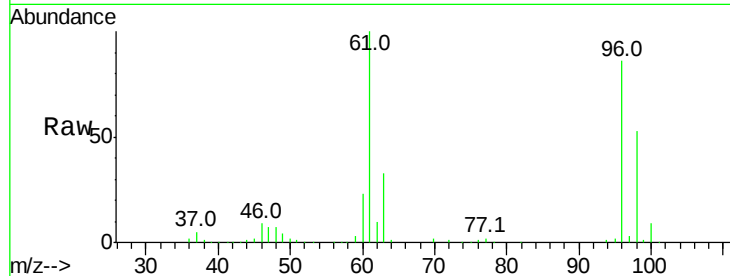




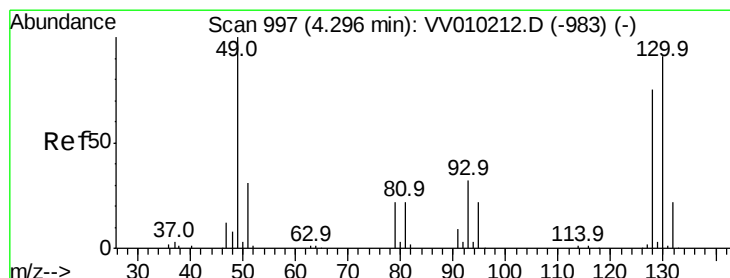
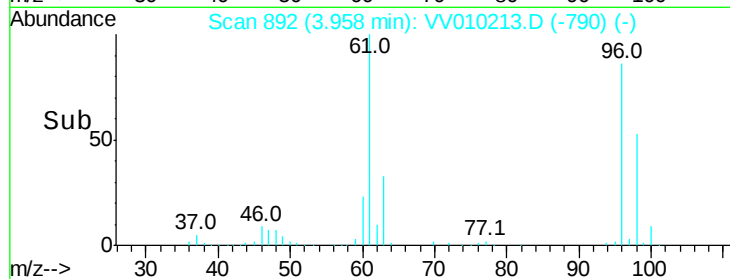
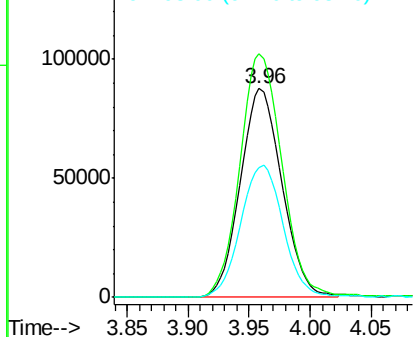
#22

cis-1,2-Dichloroethene
Concen: 51.682 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV010213.D
Acq: 10 Apr 2019 13:32

Tgt Ion: 96 Resp: 207400
Ion Ratio Lower Upper
96 100
61 116.7 84.9 157.7
98 62.4 47.0 87.4



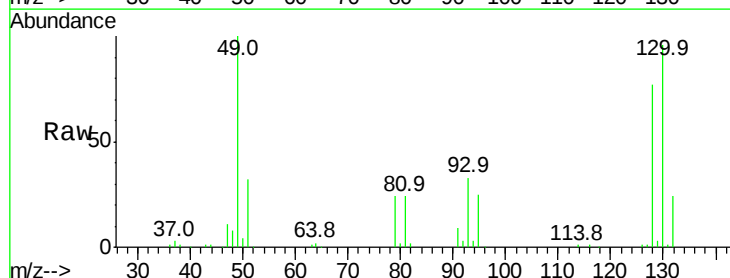
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



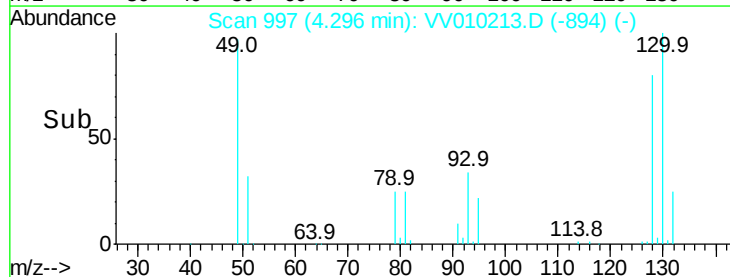
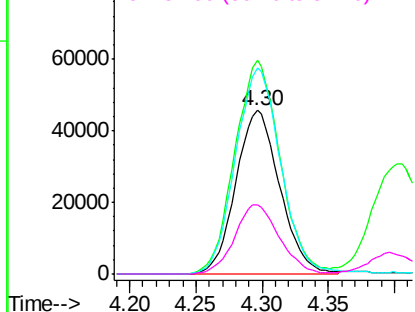
#23

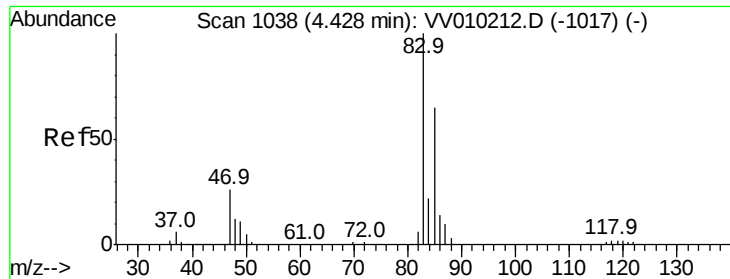
Bromochloromethane
Concen: 54.103 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV010213.D
Acq: 10 Apr 2019 13:32

Tgt Ion: 128 Resp: 105344
Ion Ratio Lower Upper
128 100
49 130.6 93.4 173.4
130 125.7 84.5 156.9
51 42.0 32.5 48.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0





#25

Chloroform

Concen: 52.422 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV010213.D

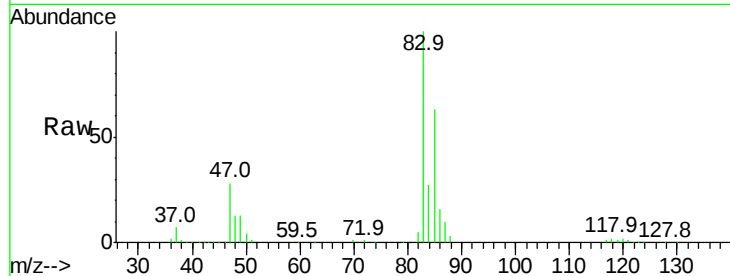
Acq: 10 Apr 2019 13:32

Tgt Ion: 83 Resp: 360737

Ion Ratio Lower Upper

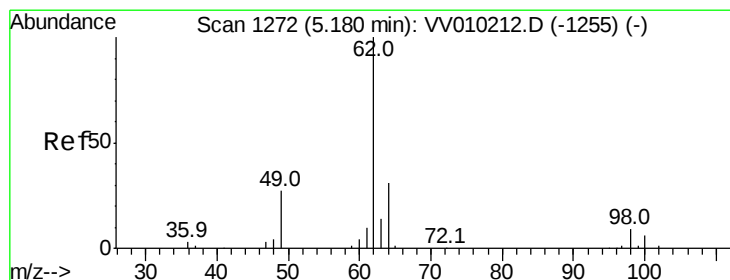
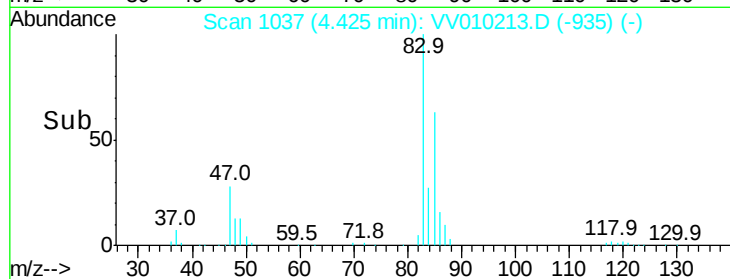
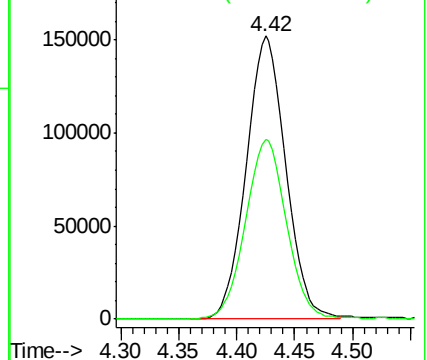
83 100

85 65.7 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 50.572 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VV010213.D

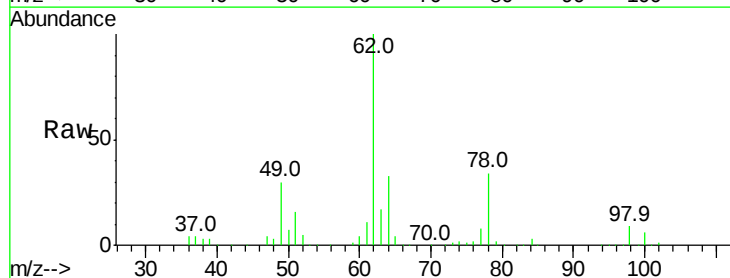
Acq: 10 Apr 2019 13:32

Tgt Ion: 62 Resp: 237386

Ion Ratio Lower Upper

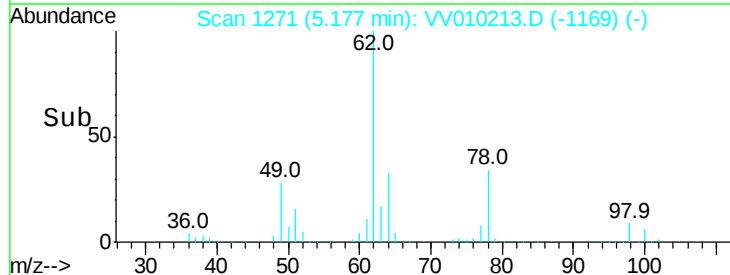
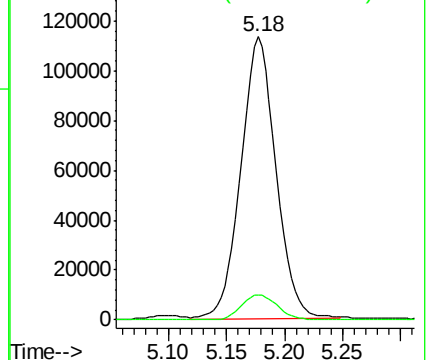
62 100

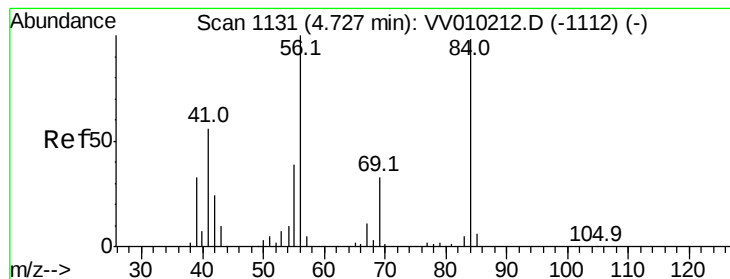
98 9.0 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#30

Cyclohexane

Concen: 51.712 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV010213.D

Acq: 10 Apr 2019 13:32

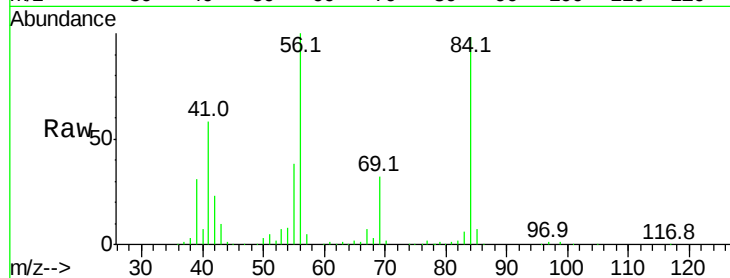
Tgt Ion: 56 Resp: 275588

Ion Ratio Lower Upper

56 100

69 32.9 25.7 38.5

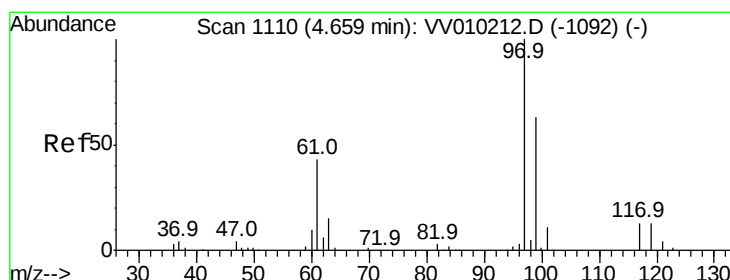
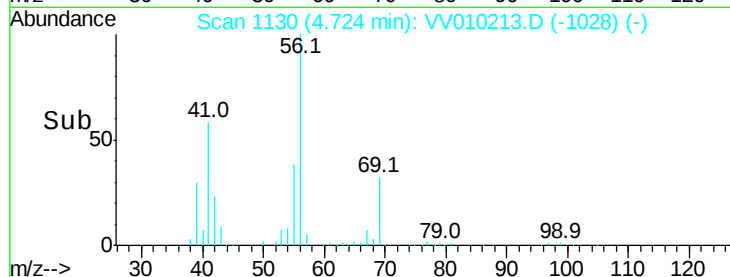
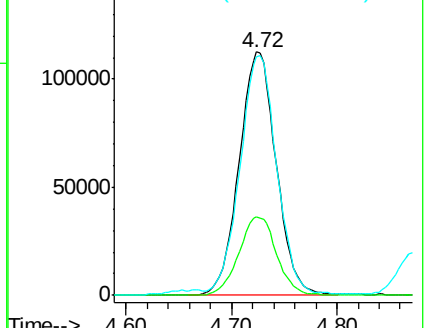
84 97.3 77.5 116.3



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 52.133 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV010213.D

Acq: 10 Apr 2019 13:32

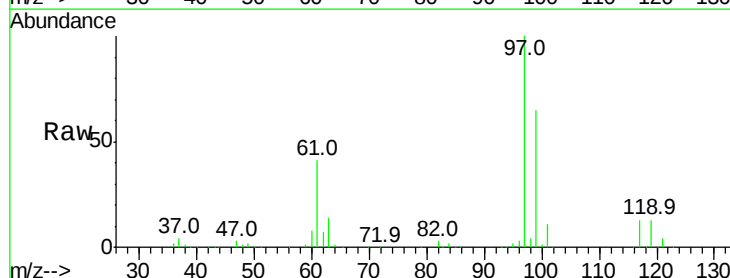
Tgt Ion: 97 Resp: 313890

Ion Ratio Lower Upper

97 100

99 63.2 52.2 78.2

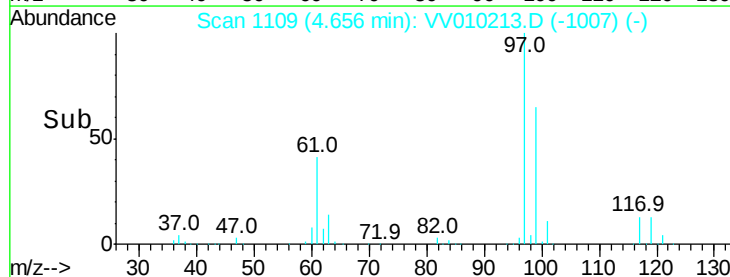
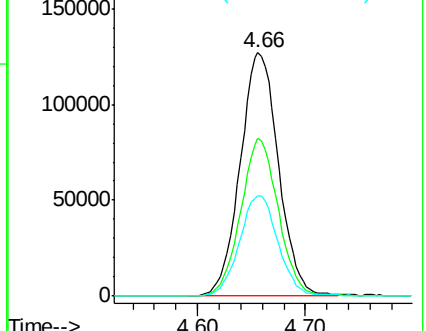
61 41.6 33.4 50.0

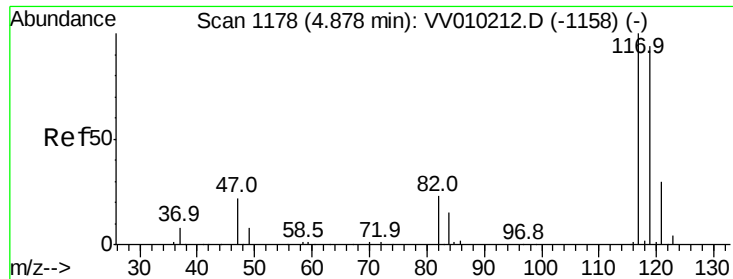


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 54.410 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV010213.D

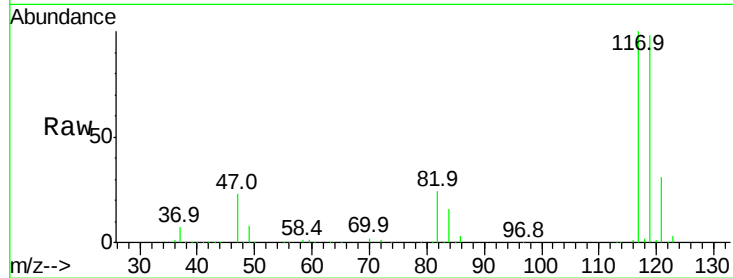
Acq: 10 Apr 2019 13:32

Tgt Ion:117 Resp: 292812

Ion Ratio Lower Upper

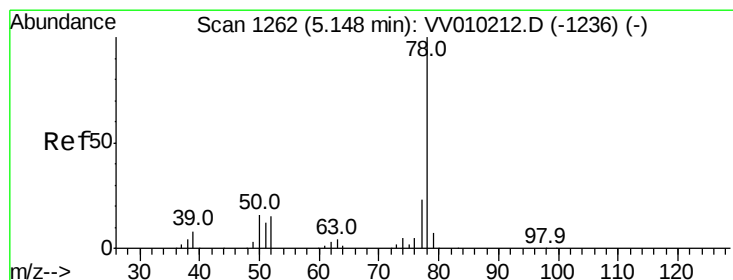
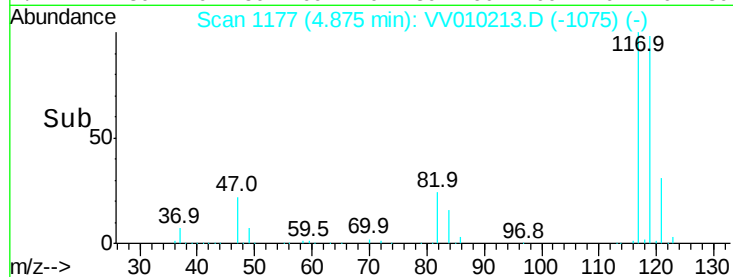
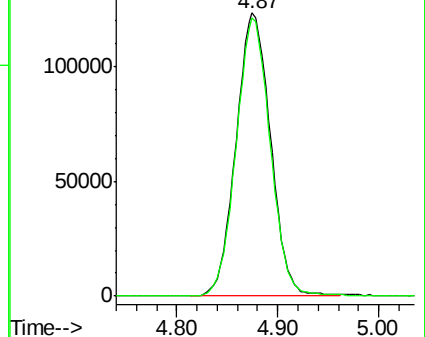
117 100

119 96.9 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 51.177 ug/L

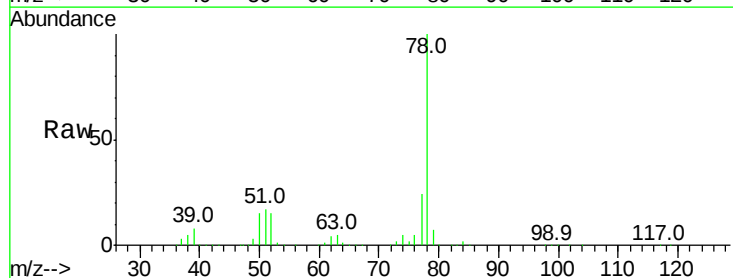
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

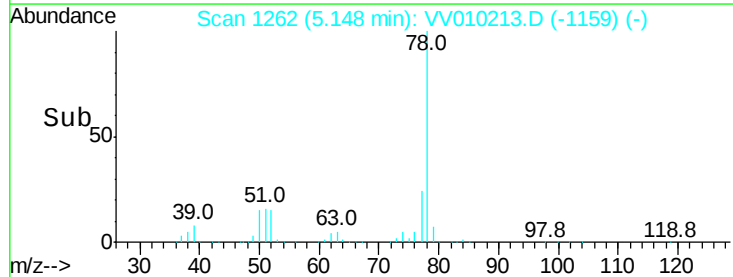
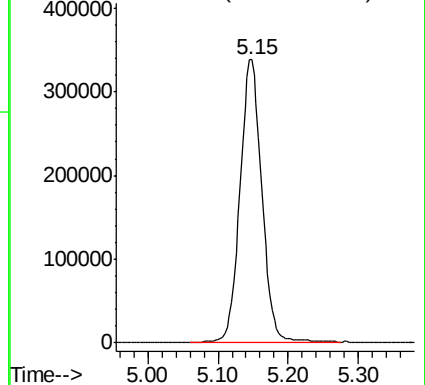
Lab File: VV010213.D

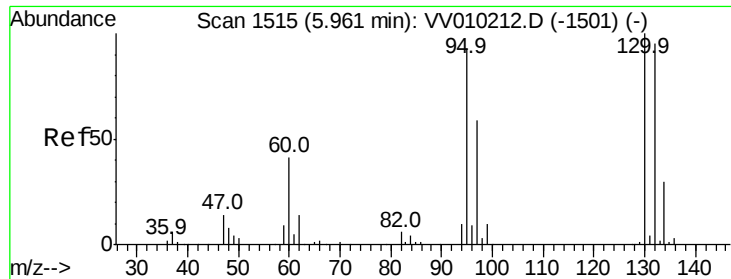
Acq: 10 Apr 2019 13:32

Tgt Ion: 78 Resp: 738849



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 51.578 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010213.D

Acq: 10 Apr 2019 13:32

Tgt Ion: 95 Resp: 214331

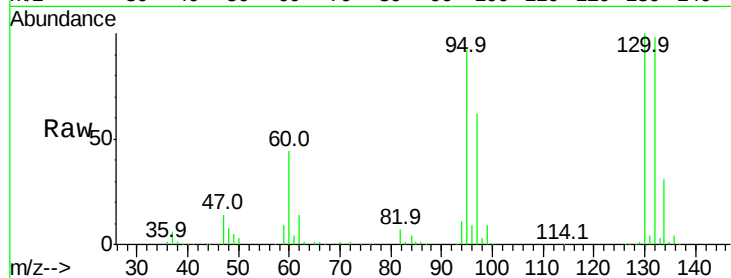
Ion Ratio Lower Upper

95 100

97 64.8 44.3 82.3

132 103.2 71.3 132.3

130 106.8 73.4 136.4

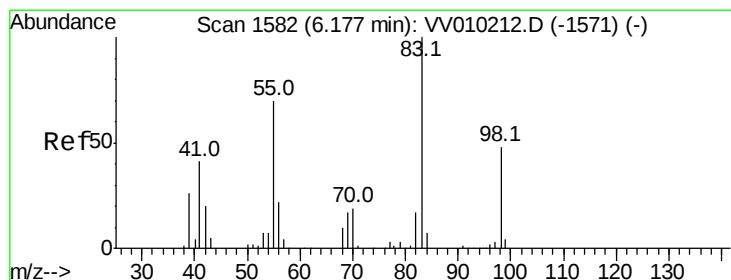
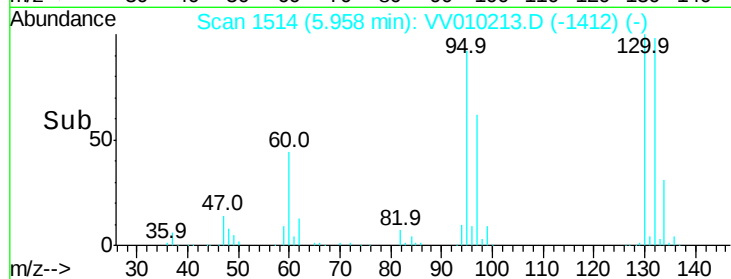
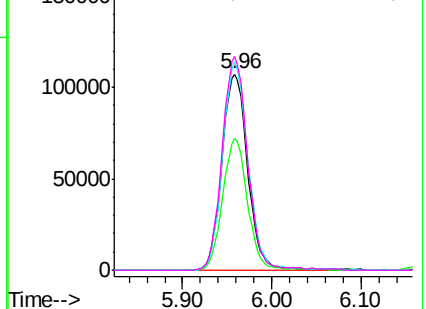


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 53.496 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010213.D

Acq: 10 Apr 2019 13:32

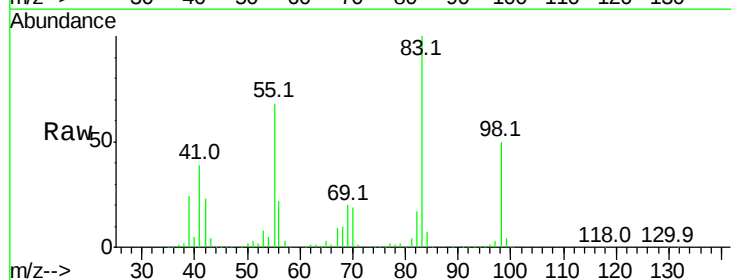
Tgt Ion: 83 Resp: 333030

Ion Ratio Lower Upper

83 100

55 67.9 55.7 83.5

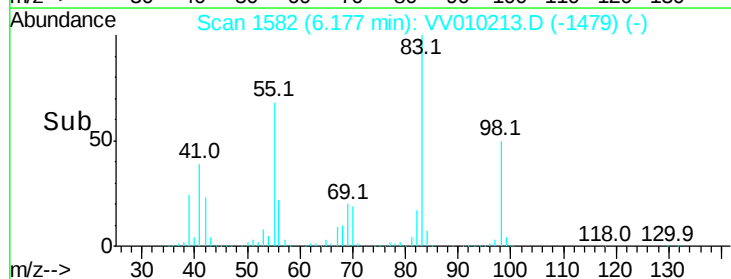
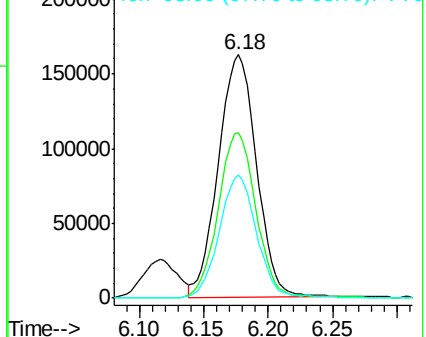
98 48.7 39.4 59.2

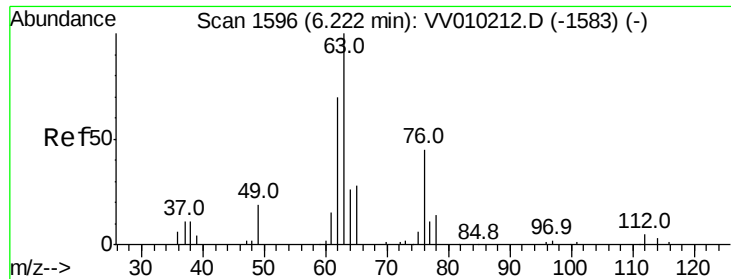


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 49.413 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV010213.D

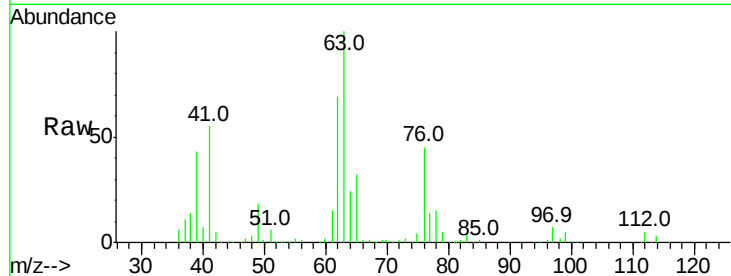
Acq: 10 Apr 2019 13:32

Tgt Ion: 63 Resp: 180249

Ion Ratio Lower Upper

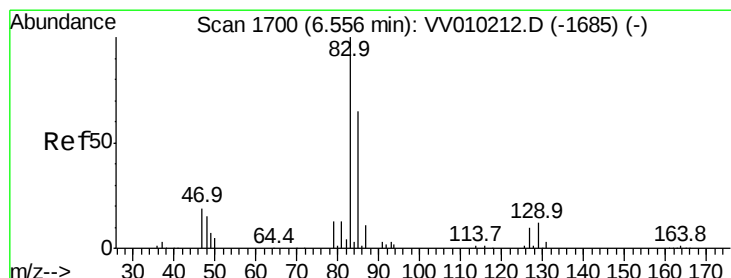
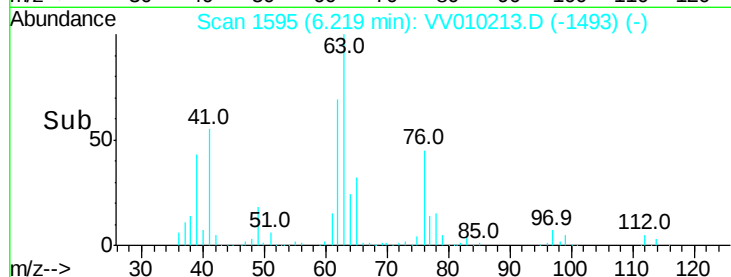
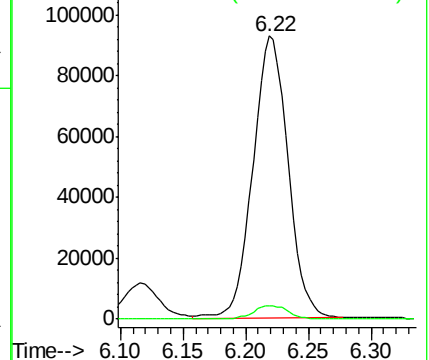
63 100

112 4.9 4.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 53.605 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV010213.D

Acq: 10 Apr 2019 13:32

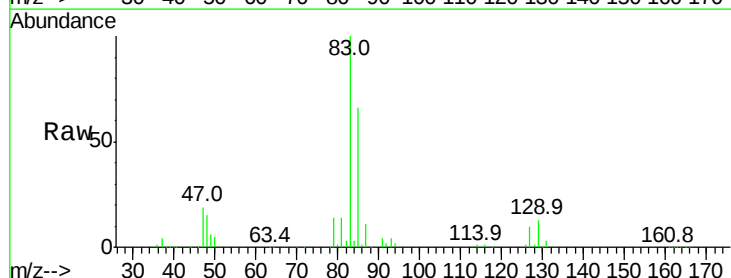
Tgt Ion: 83 Resp: 254297

Ion Ratio Lower Upper

83 100

85 65.8 45.7 84.9

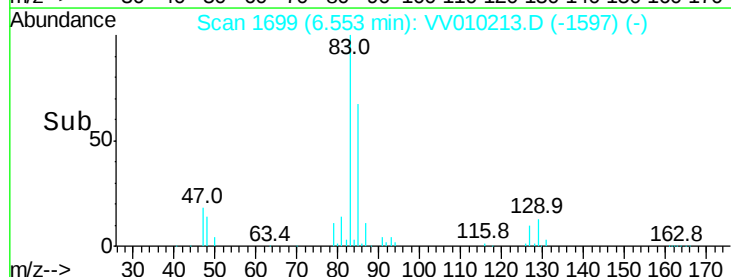
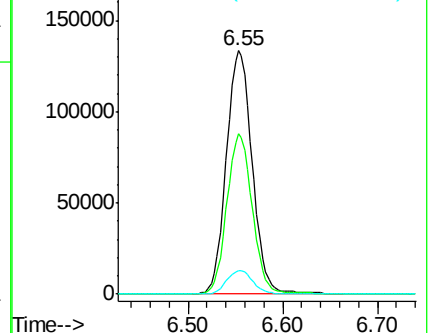
127 9.6 8.2 12.2

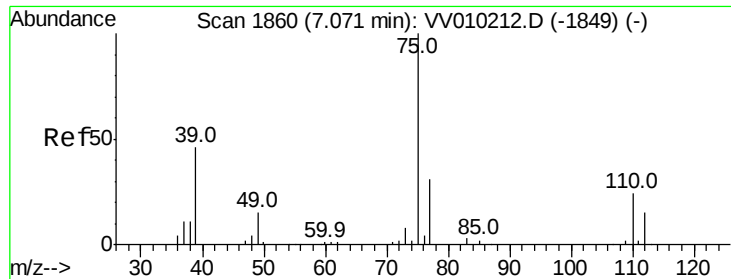


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 57.185 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV010213.D

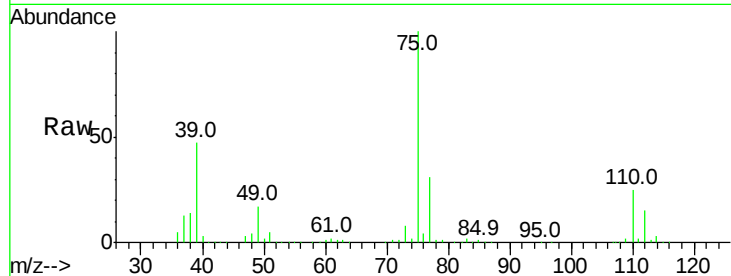
Acq: 10 Apr 2019 13:32

Tgt Ion: 75 Resp: 301957

Ion Ratio Lower Upper

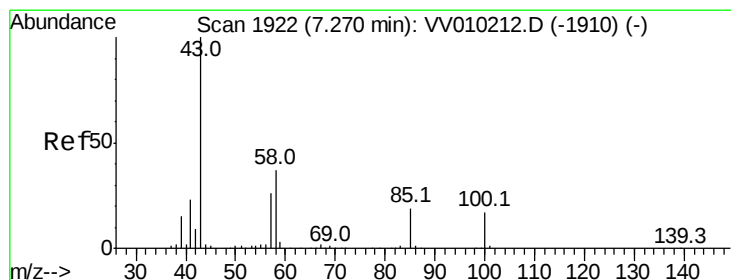
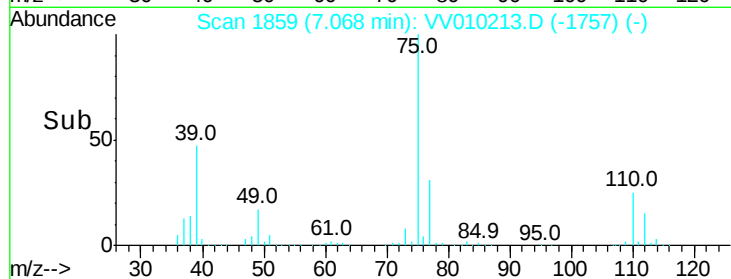
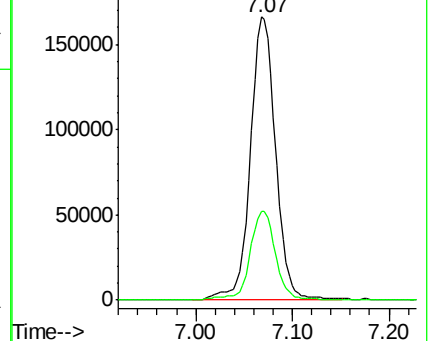
75 100

77 31.3 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#43

4-Methyl-2-pentanone

Concen: 89.617 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV010213.D

Acq: 10 Apr 2019 13:32

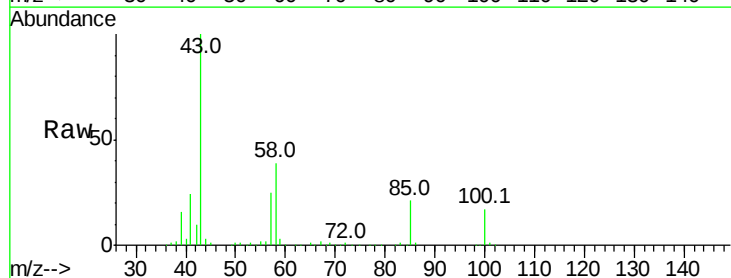
Tgt Ion: 43 Resp: 241871

Ion Ratio Lower Upper

43 100

58 38.7 30.4 45.6

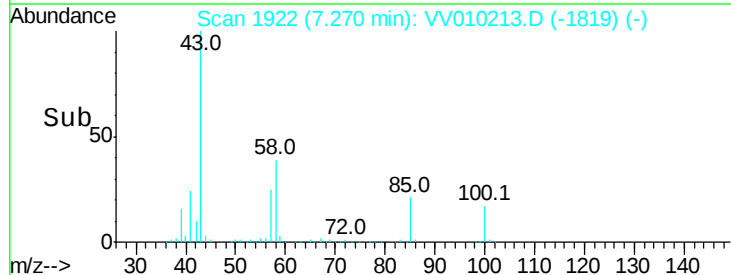
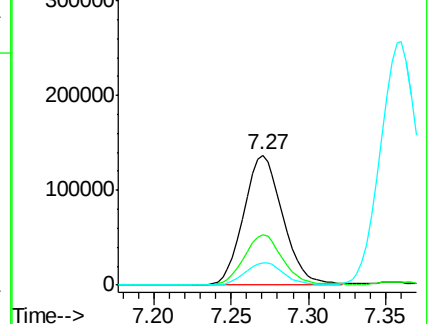
100 17.2 13.5 20.3

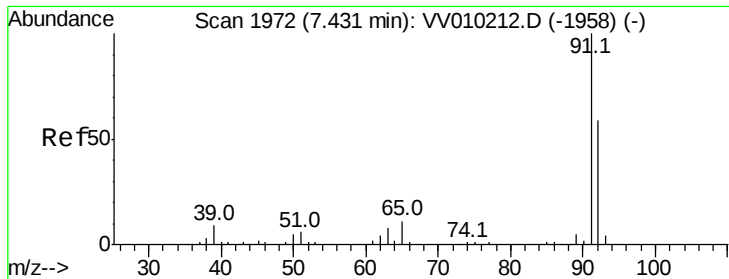


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#44

Toluene

Concen: 52.633 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010213.D

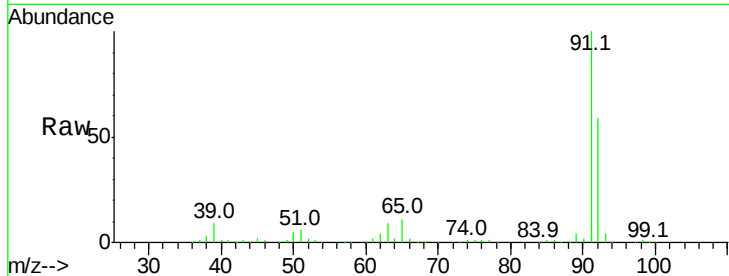
Acq: 10 Apr 2019 13:32

Tgt Ion: 91 Resp: 852825

Ion Ratio Lower Upper

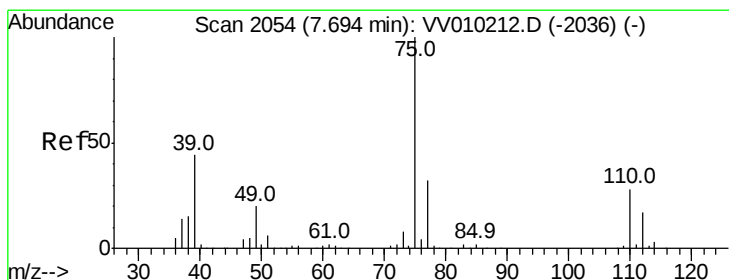
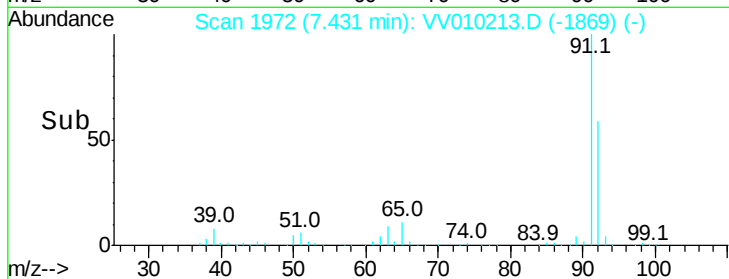
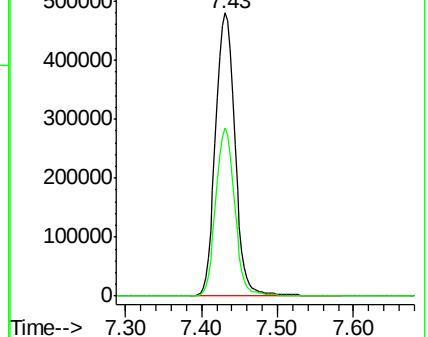
91 100

92 59.3 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#45

trans-1,3-Dichloropropene

Concen: 57.097 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV010213.D

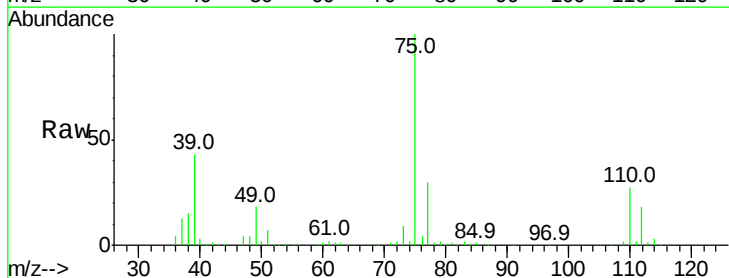
Acq: 10 Apr 2019 13:32

Tgt Ion: 75 Resp: 256417

Ion Ratio Lower Upper

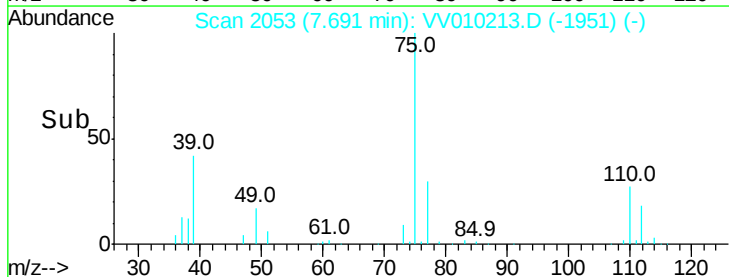
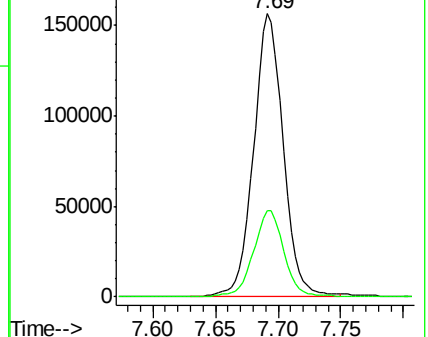
75 100

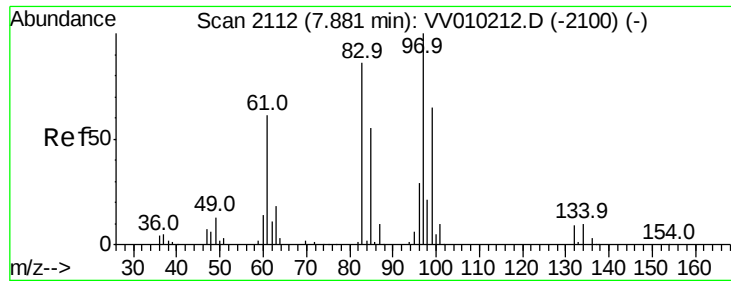
77 30.3 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

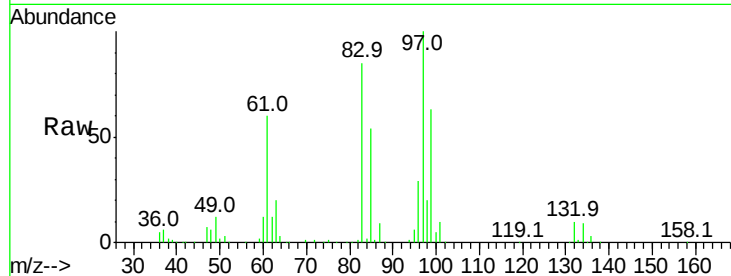
Ion 77.00 (76.70 to 77.70): VV0





#46
1,1,2-Trichloroethane
Concen: 48.473 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV010213.D
Acq: 10 Apr 2019 13:32

Tgt Ion:	97	Resp:	156788
Ion	Ratio	Lower	Upper
97	100		
83	84.9	60.5	112.5
85	53.7	38.8	72.0
99	63.1	45.6	84.6



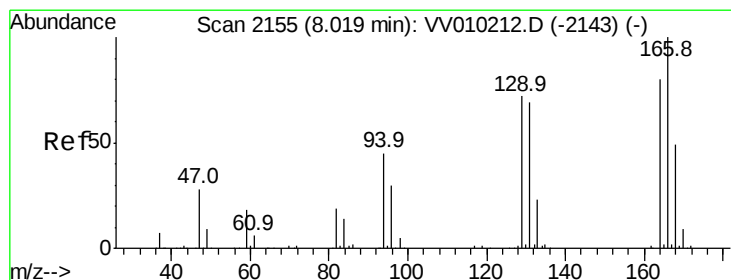
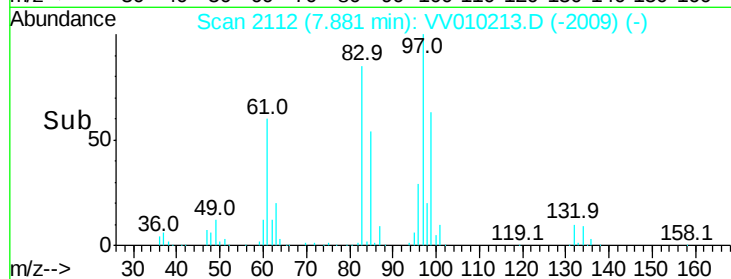
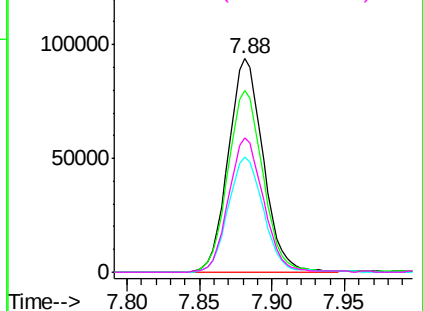
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

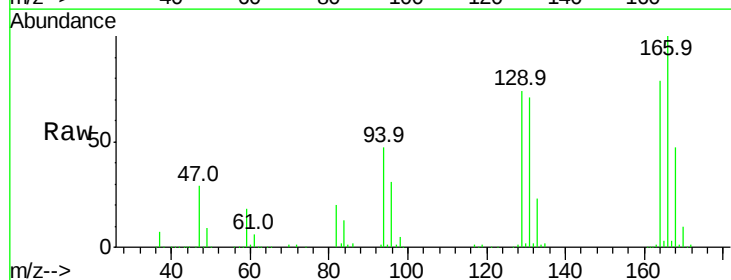
Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47
Tetrachloroethene
Concen: 54.443 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV010213.D
Acq: 10 Apr 2019 13:32

Tgt Ion:	164	Resp:	189371
Ion	Ratio	Lower	Upper
164	100		
129	93.2	62.6	116.2
131	90.4	60.0	111.4
166	126.5	87.4	162.2



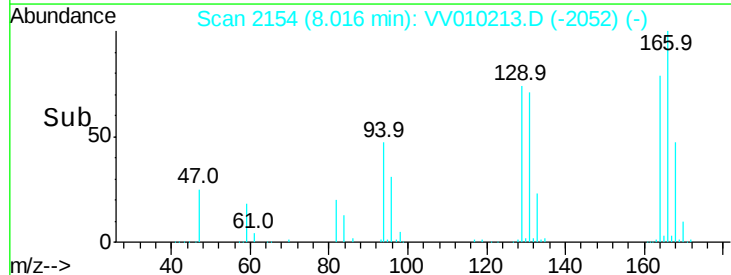
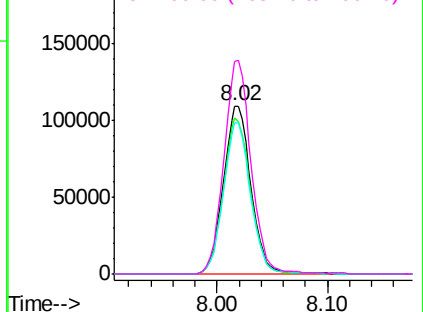
Abundance

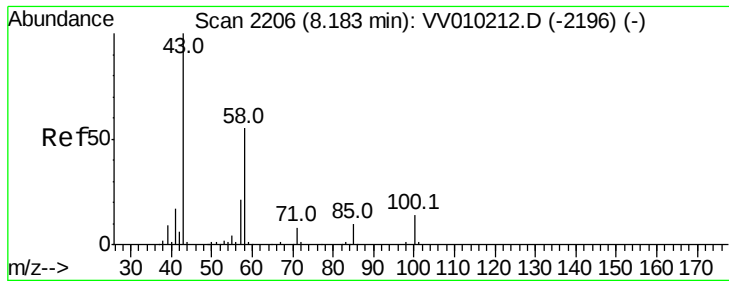
Ion 164.00 (163.70 to 164.70): V

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





#49

2-Hexanone

Concen: 85.490 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VV010213.D

Acq: 10 Apr 2019 13:32

Tgt Ion: 43 Resp: 164804

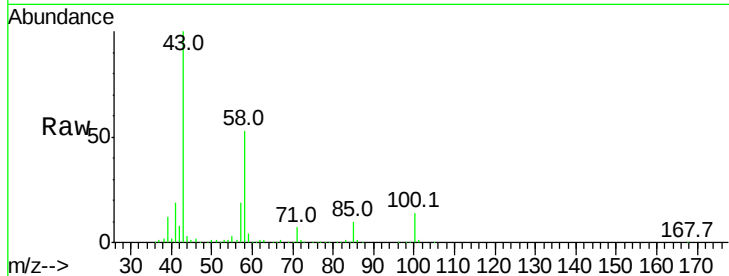
Ion Ratio Lower Upper

43 100

58 55.4 42.8 64.2

57 19.0 16.2 24.4

100 14.4 11.1 16.7

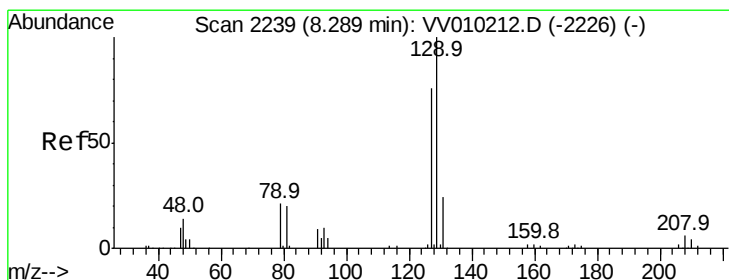
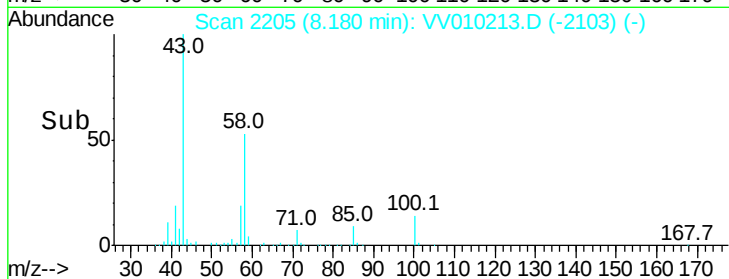
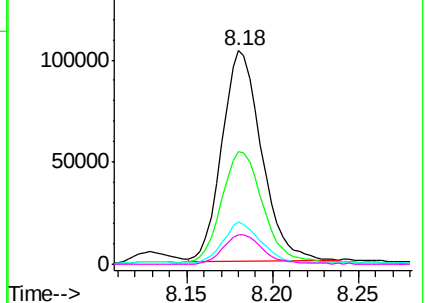


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#50

Dibromochloromethane

Concen: 56.584 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV010213.D

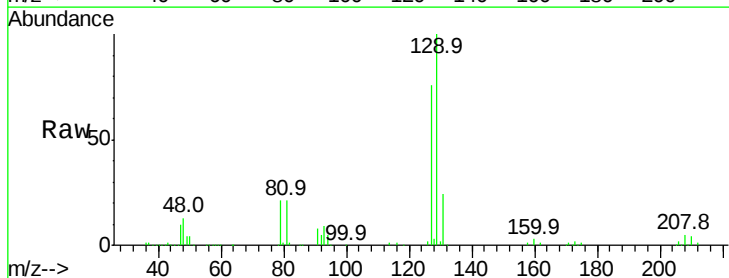
Acq: 10 Apr 2019 13:32

Tgt Ion: 129 Resp: 205166

Ion Ratio Lower Upper

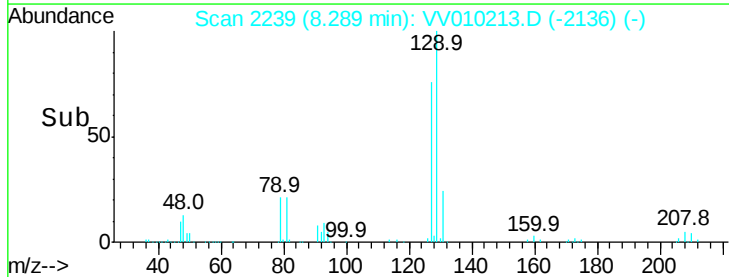
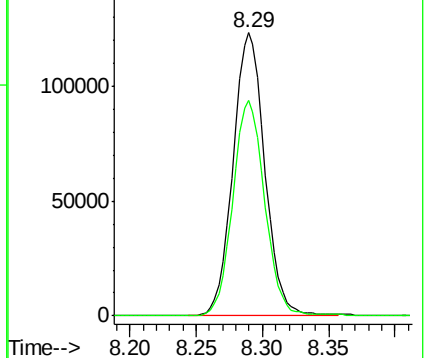
129 100

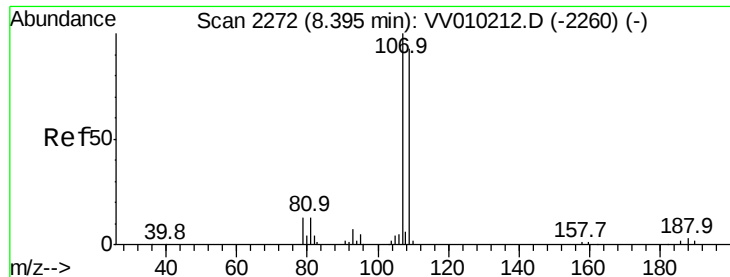
127 76.0 52.8 98.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 50.475 ug/L

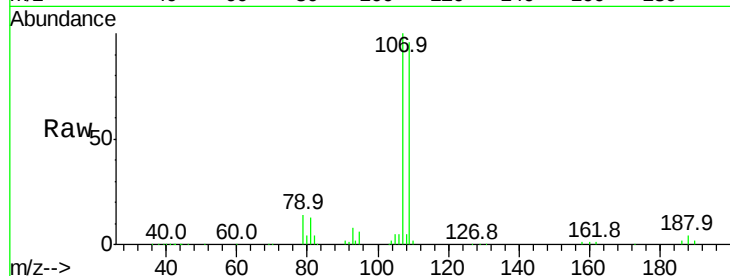
RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

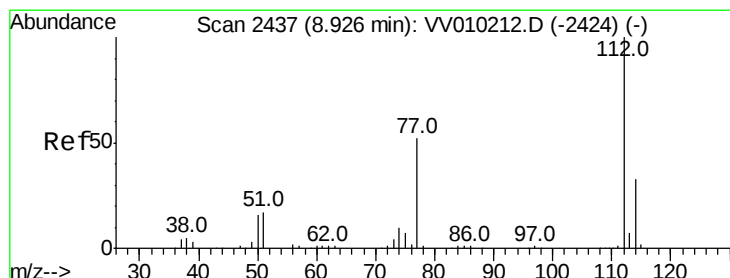
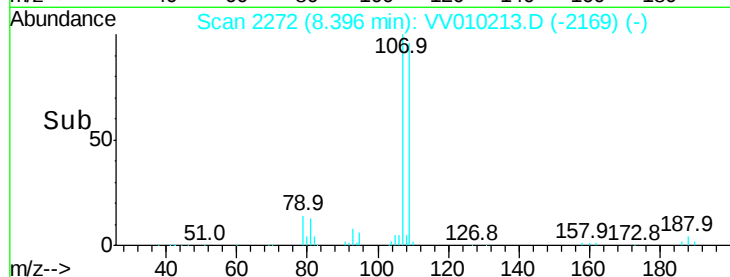
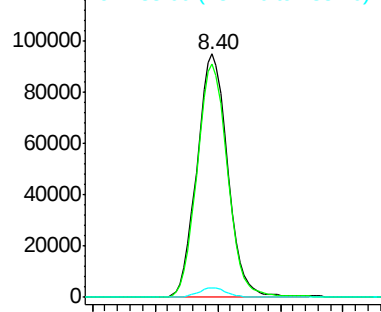
Lab File: VV010213.D

Acq: 10 Apr 2019 13:32

Tgt Ion:	107	Resp:	161346
Ion	Ratio	Lower	Upper
107	100		
109	96.1	65.2	121.0
188	4.0	2.7	4.1



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



#52

Chlorobenzene

Concen: 52.511 ug/L

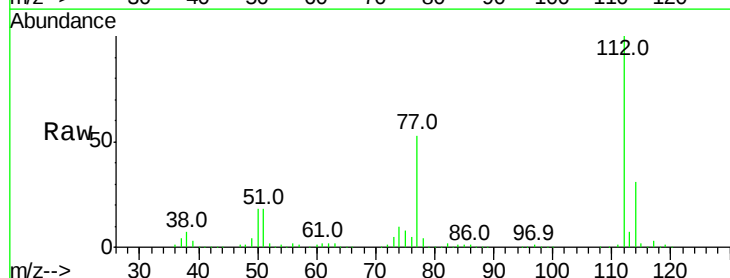
RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

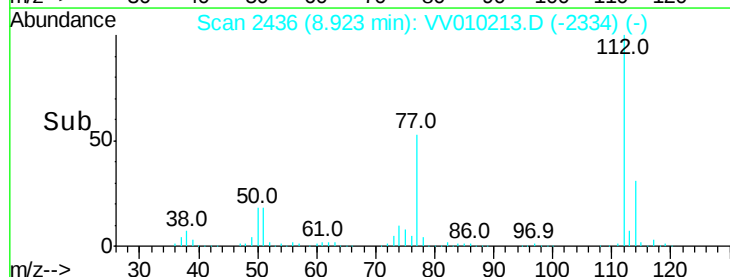
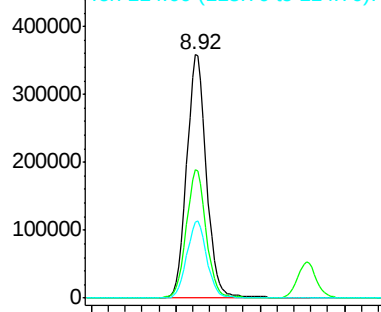
Lab File: VV010213.D

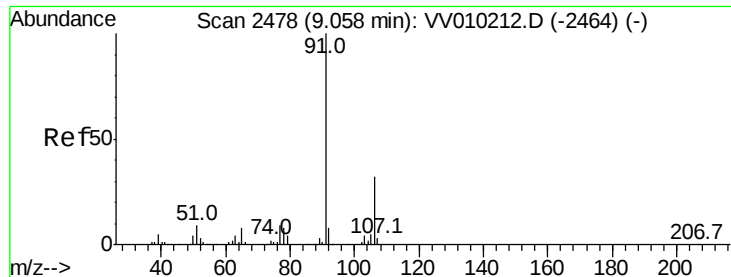
Acq: 10 Apr 2019 13:32

Tgt Ion:	112	Resp:	580351
Ion	Ratio	Lower	Upper
112	100		
77	52.9	42.2	63.2
114	31.2	23.4	43.4



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





#53

Ethylbenzene

Concen: 53.031 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010213.D

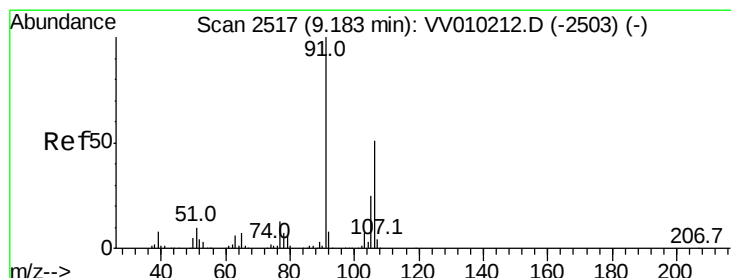
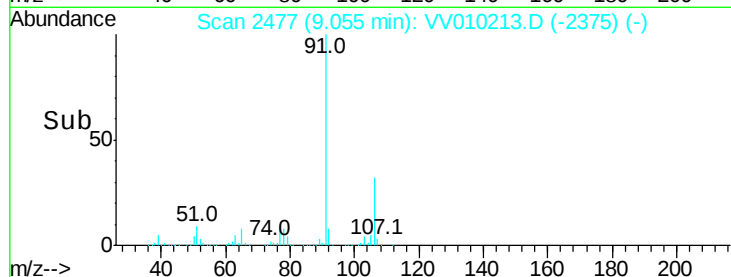
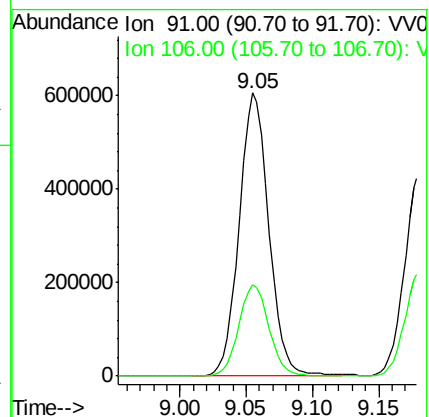
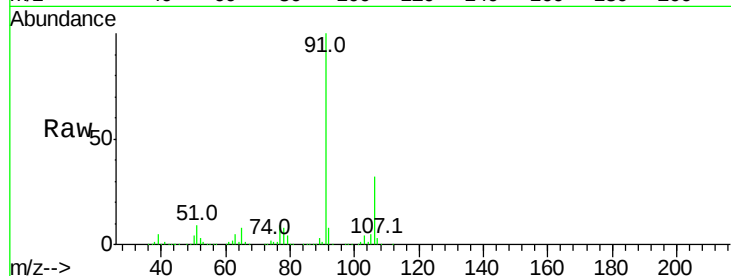
Acq: 10 Apr 2019 13:32

Tgt Ion: 91 Resp: 942239

Ion Ratio Lower Upper

91 100

106 32.2 22.5 41.9



#54

m,p-Xylene

Concen: 55.408 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV010213.D

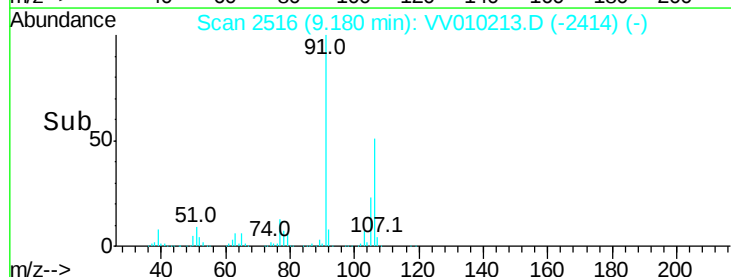
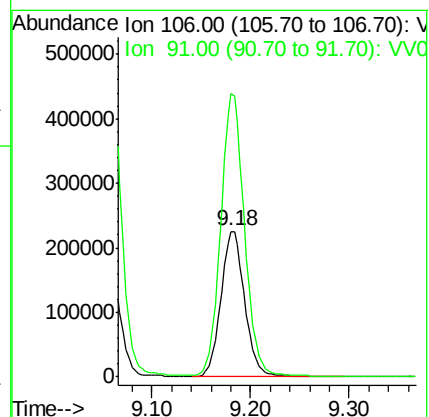
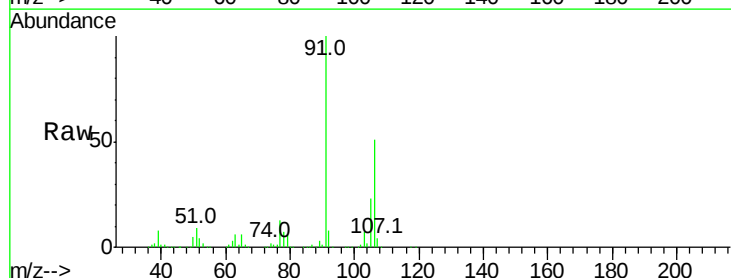
Acq: 10 Apr 2019 13:32

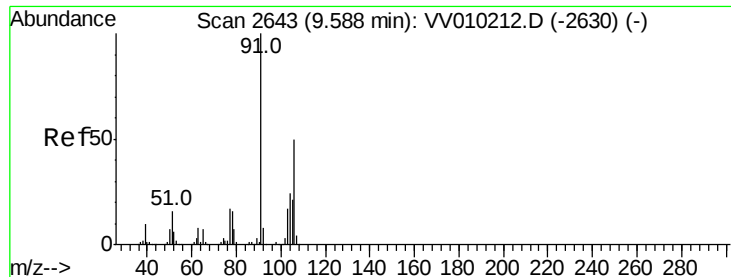
Tgt Ion: 106 Resp: 383177

Ion Ratio Lower Upper

106 100

91 194.4 136.6 253.6





#55

o-xylene

Concen: 54.858 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010213.D

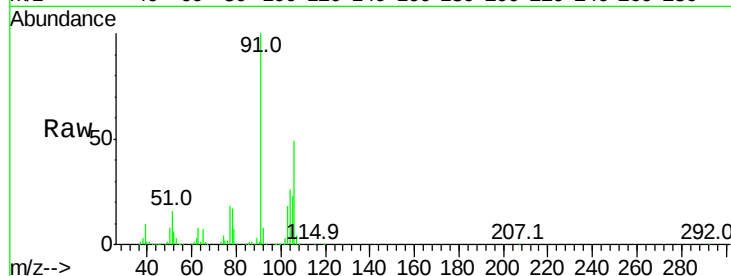
Acq: 10 Apr 2019 13:32

Tgt Ion:106 Resp: 367540

Ion Ratio Lower Upper

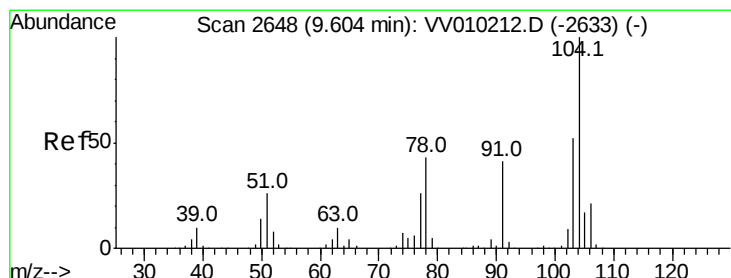
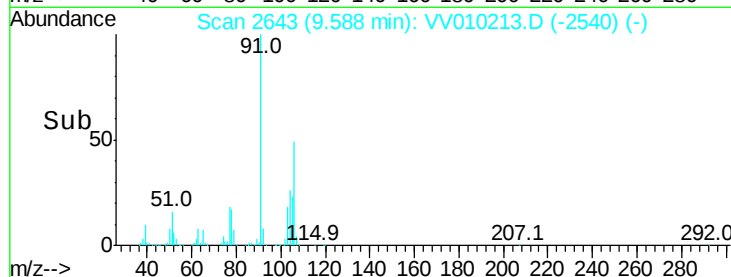
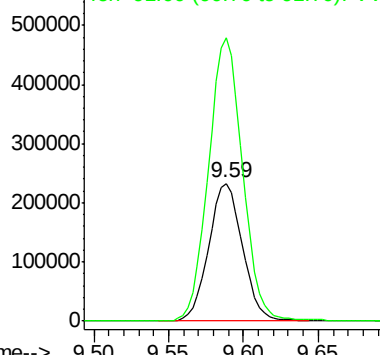
106 100

91 205.6 139.4 259.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 56.151 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010213.D

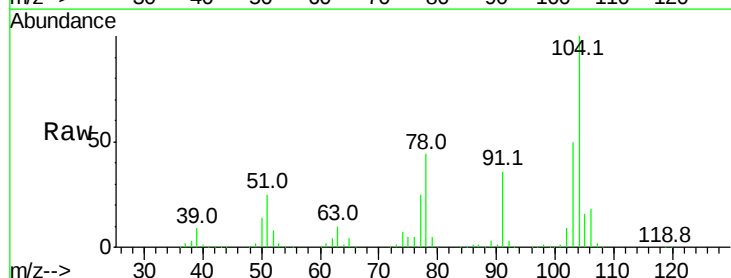
Acq: 10 Apr 2019 13:32

Tgt Ion:104 Resp: 622311

Ion Ratio Lower Upper

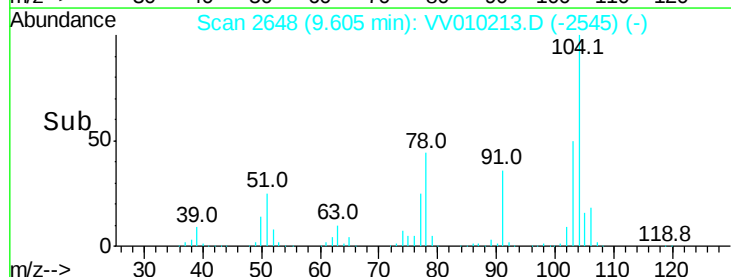
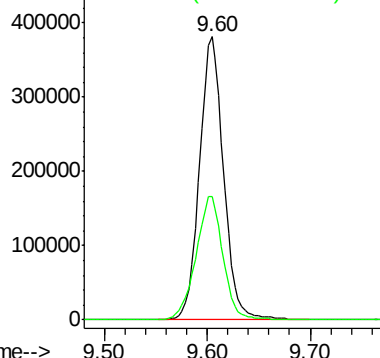
104 100

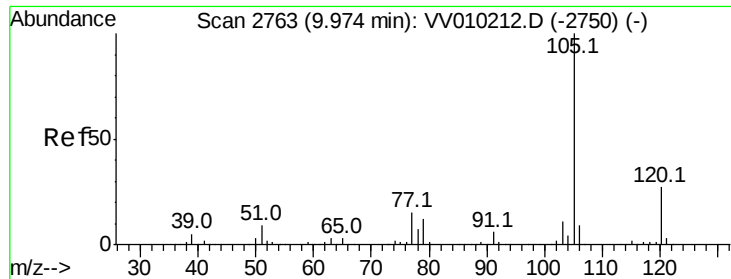
78 43.6 30.3 56.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 54.172 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010213.D

Acq: 10 Apr 2019 13:32

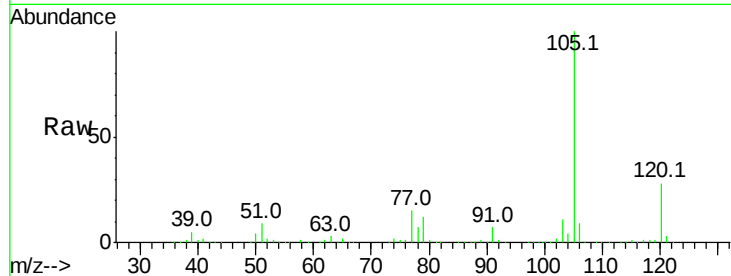
Tgt Ion: 105 Resp: 957169

Ion Ratio Lower Upper

105 100

120 27.9 22.2 33.2

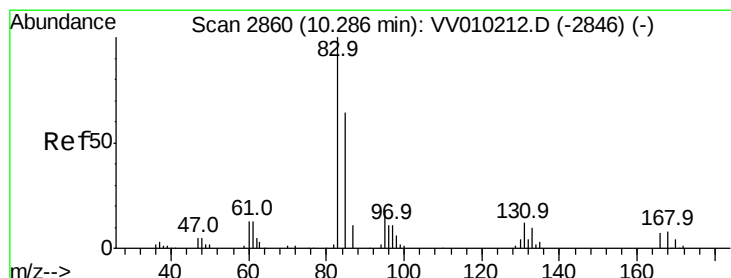
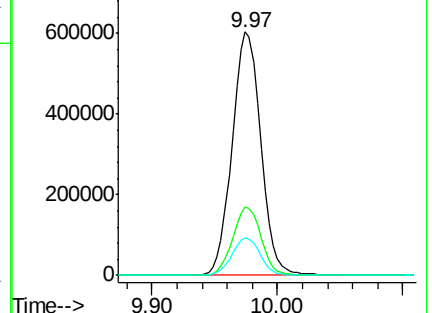
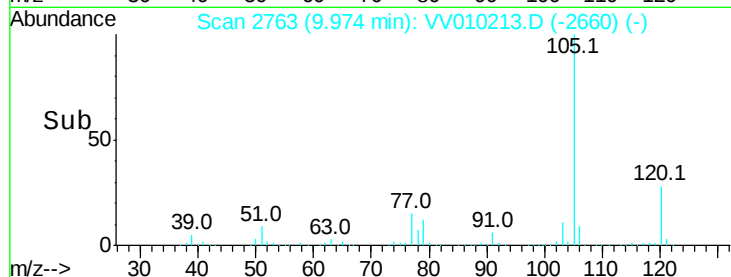
77 15.3 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 46.292 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010213.D

Acq: 10 Apr 2019 13:32

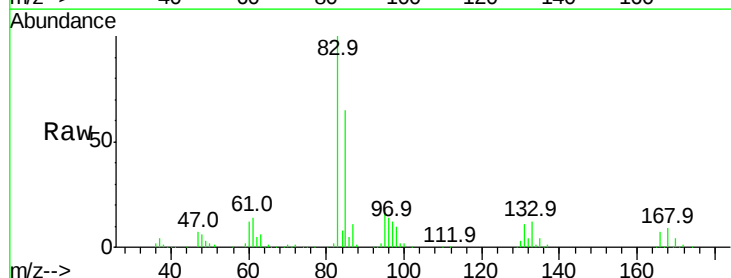
Tgt Ion: 83 Resp: 192312

Ion Ratio Lower Upper

83 100

85 64.6 44.9 83.5

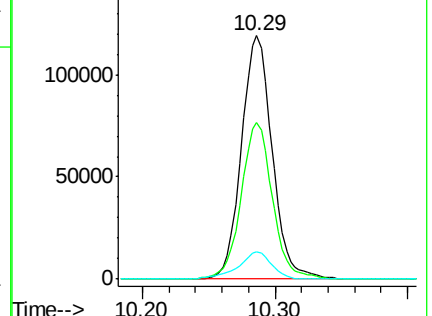
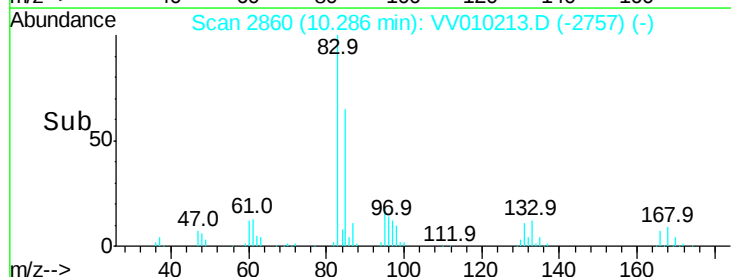
131 11.4 9.2 13.8

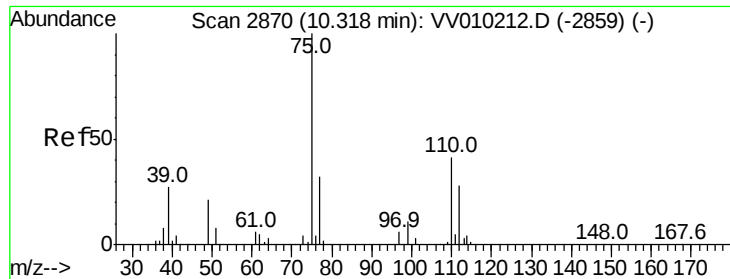


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

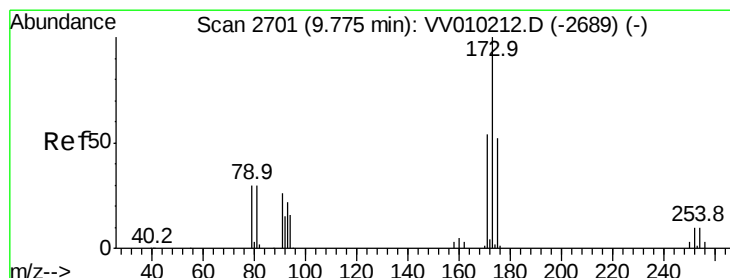
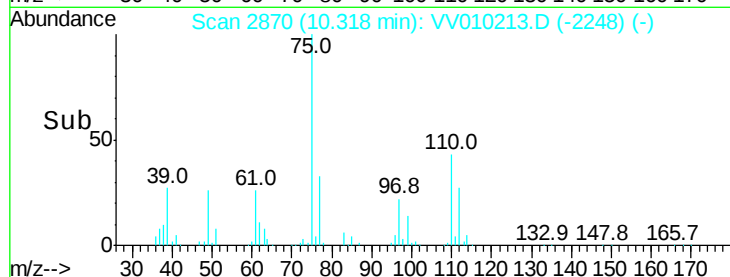
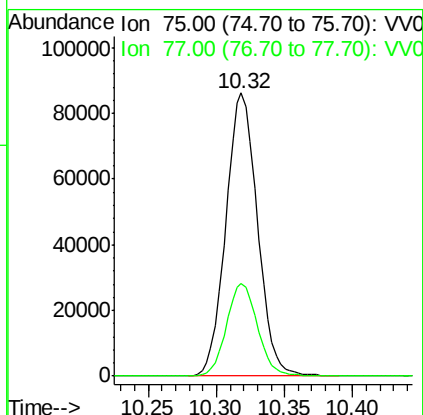
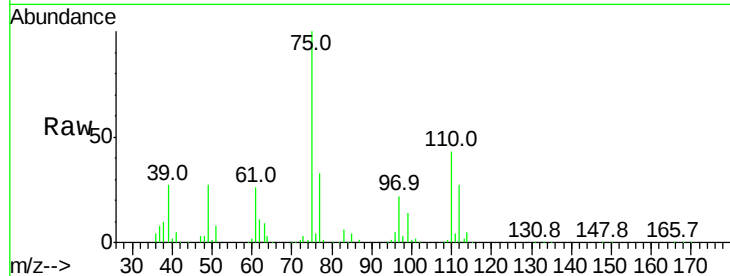
Ion 131.00 (130.70 to 131.70): V





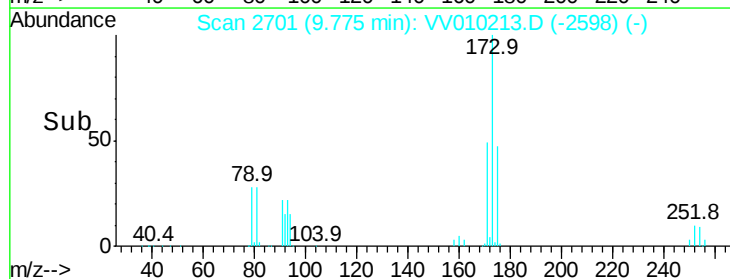
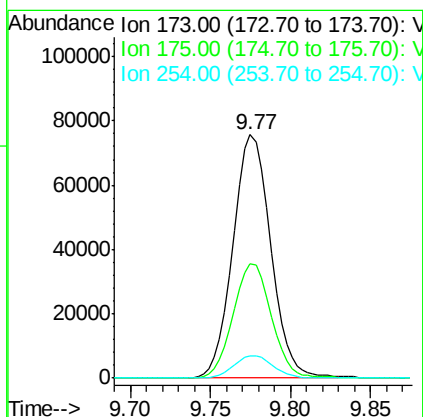
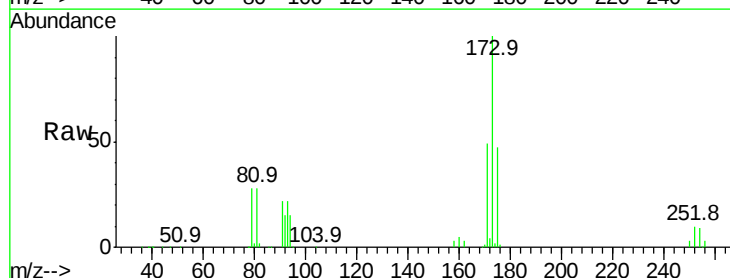
#59
 1,2,3-Trichloropropane
 Concen: 46.584 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010213.D
 Acq: 10 Apr 2019 13:32

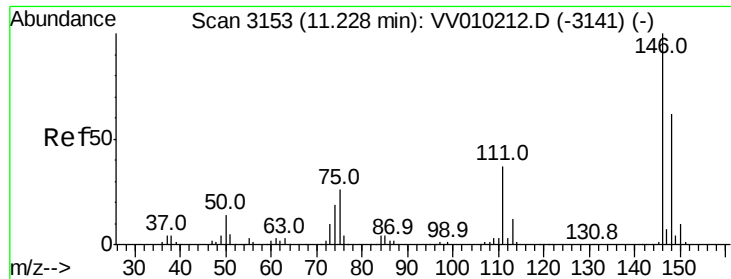
Tgt Ion: 75 Resp: 138770
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.9 40.3



#62
 Bromoform
 Concen: 55.255 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV010213.D
 Acq: 10 Apr 2019 13:32

Tgt Ion: 173 Resp: 122032
 Ion Ratio Lower Upper
 173 100
 175 47.4 40.3 60.5
 254 9.6 8.0 12.0





#63

1,3-Dichlorobenzene

Concen: 51.661 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV010213.D

Acq: 10 Apr 2019 13:32

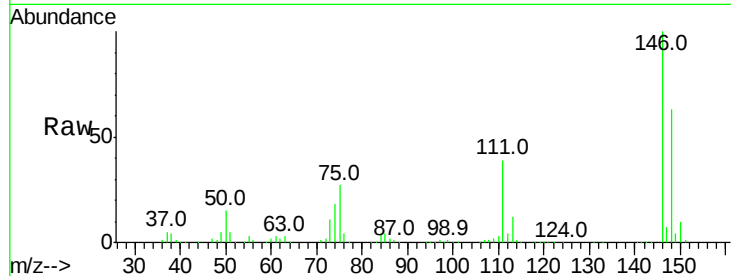
Tgt Ion:146 Resp: 476150

Ion Ratio Lower Upper

146 100

111 38.7 26.2 48.8

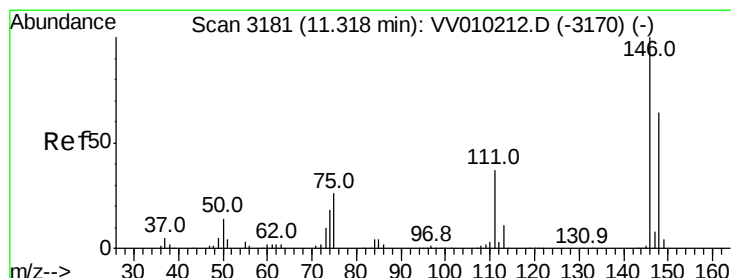
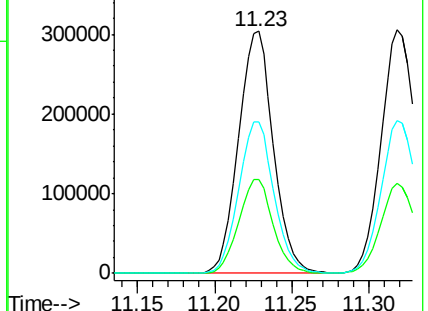
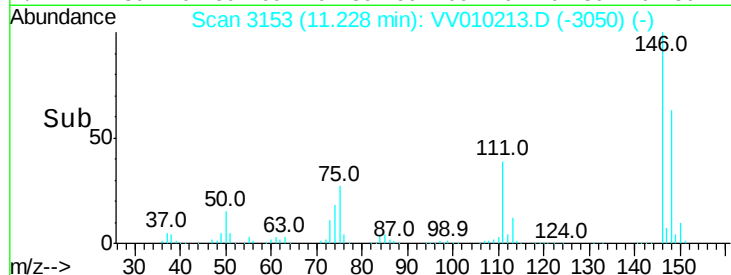
148 62.8 43.2 80.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 50.333 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV010213.D

Acq: 10 Apr 2019 13:32

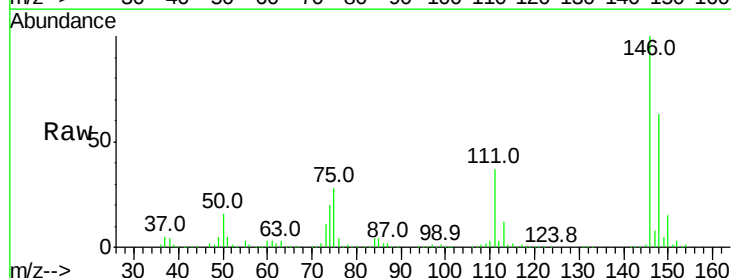
Tgt Ion:146 Resp: 483245

Ion Ratio Lower Upper

146 100

111 37.1 26.5 49.3

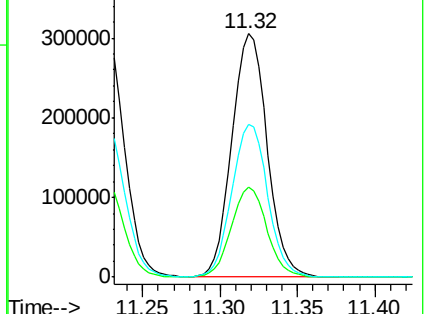
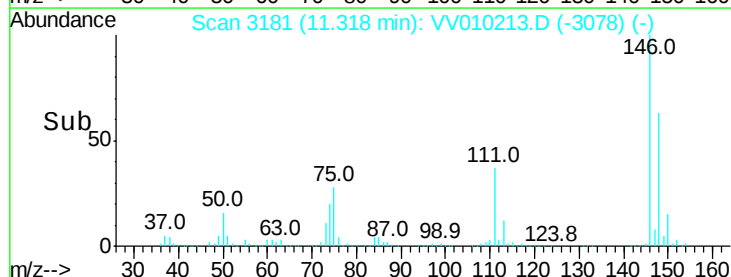
148 62.9 45.3 84.1

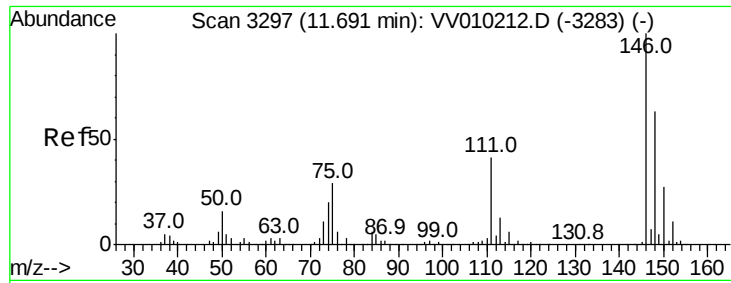


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.237 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010213.D

Acq: 10 Apr 2019 13:32

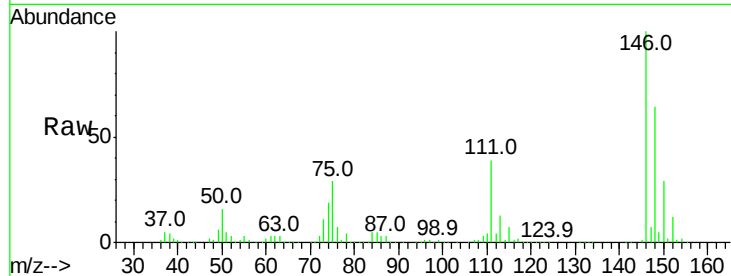
Tgt Ion:146 Resp: 454859

Ion Ratio Lower Upper

146 100

111 38.8 32.5 48.7

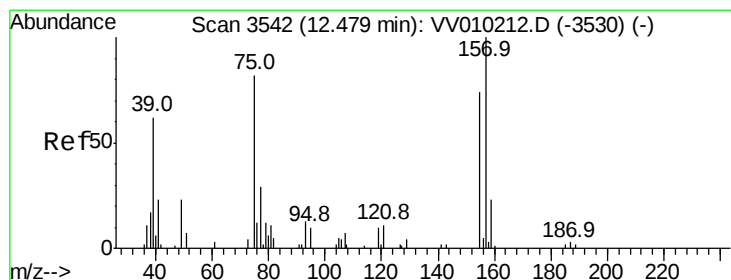
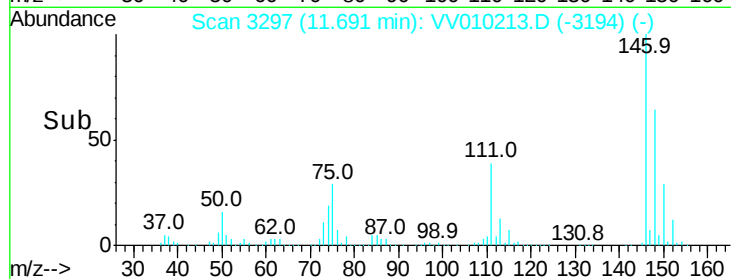
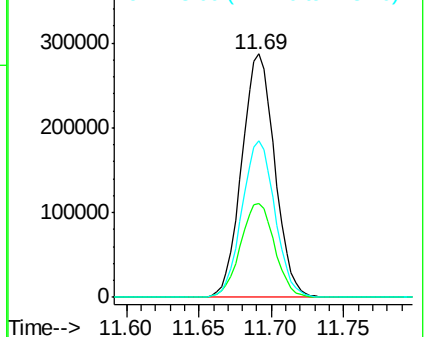
148 64.2 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 43.587 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV010213.D

Acq: 10 Apr 2019 13:32

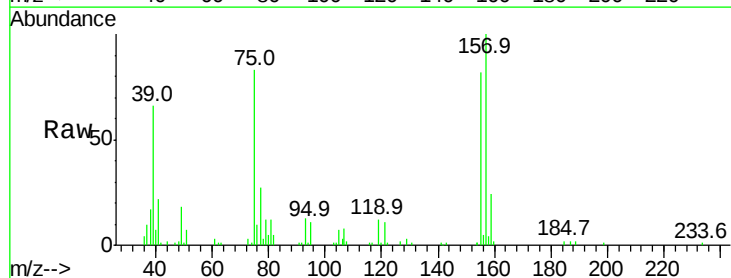
Tgt Ion: 75 Resp: 26759

Ion Ratio Lower Upper

75 100

157 120.5 97.4 146.2

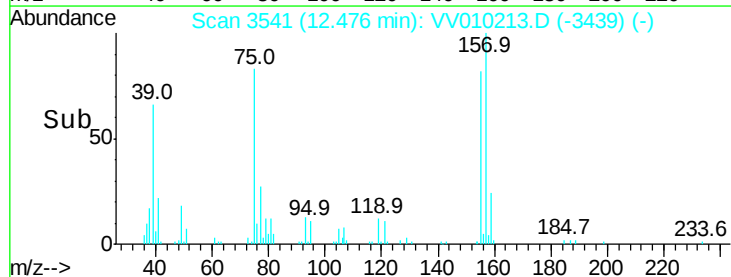
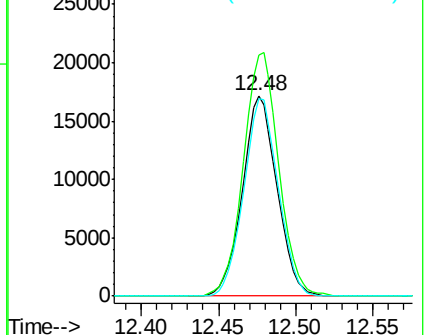
155 98.5 72.5 108.7

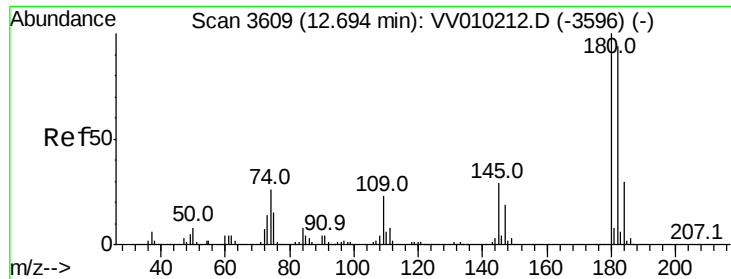


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

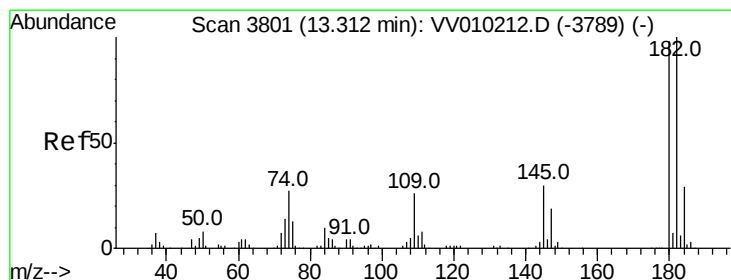
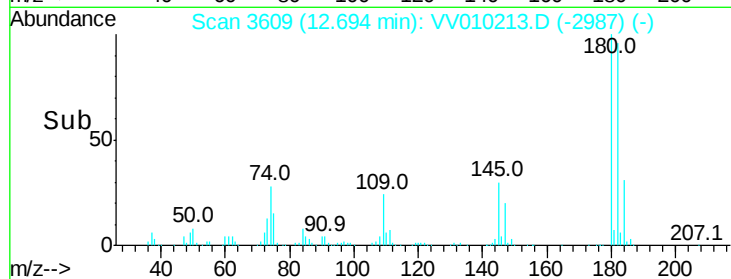
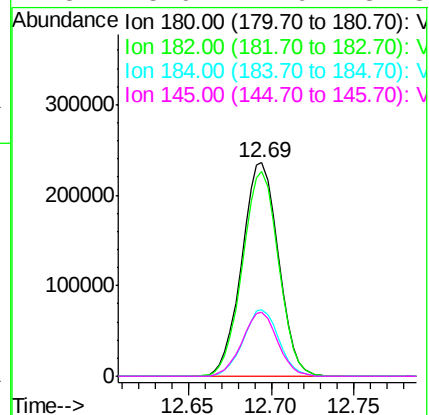
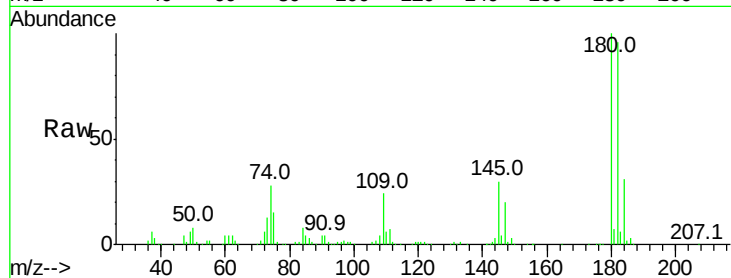
Ion 155.00 (154.70 to 155.70): V





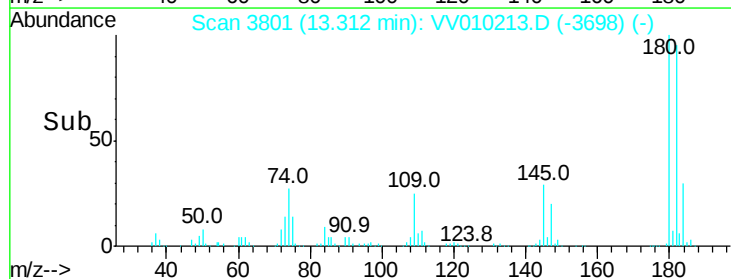
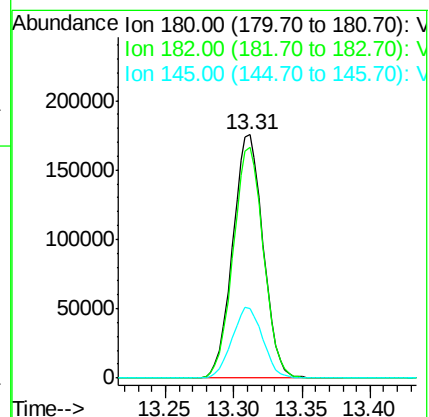
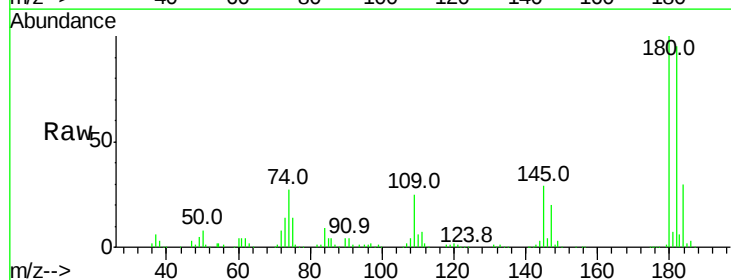
#67
 1,3,5-Trichlorobenzene
 Concen: 53.109 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010213.D
 Acq: 10 Apr 2019 13:32

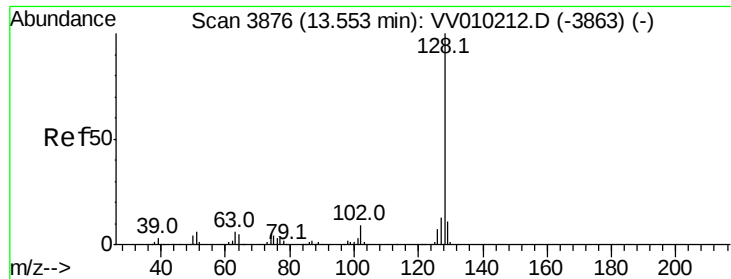
Tgt Ion:	180	Resp:	363497
Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.5	113.3
184	30.4	23.8	35.8
145	28.9	22.9	34.3



#68
 1,2,4-trichlorobenzene
 Concen: 51.798 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV010213.D
 Acq: 10 Apr 2019 13:32

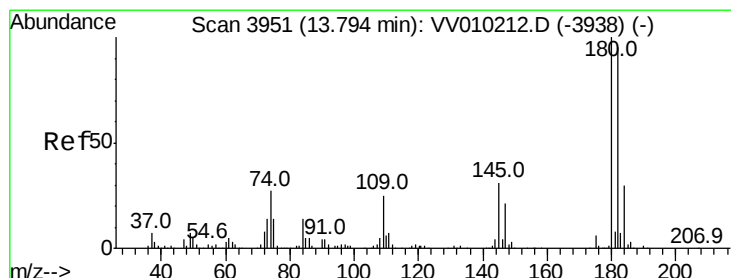
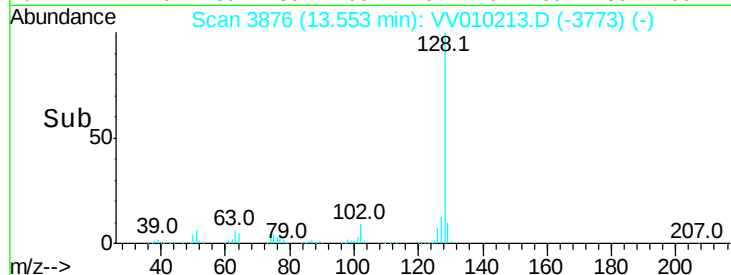
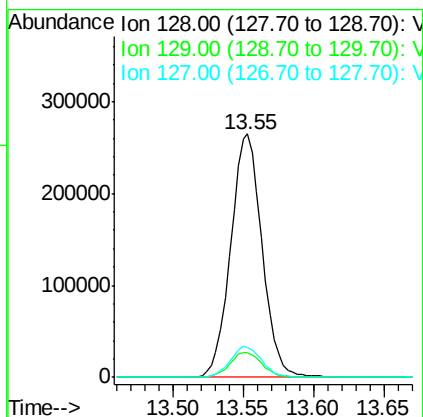
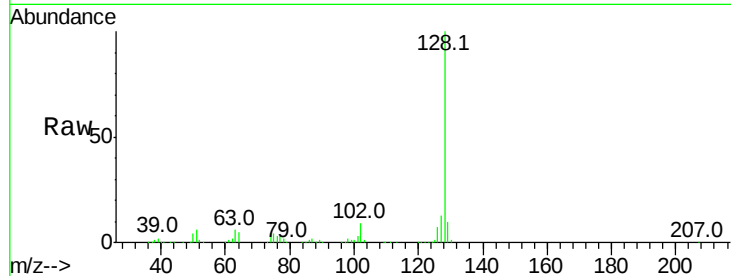
Tgt Ion:	180	Resp:	271485
Ion	Ratio	Lower	Upper
180	100		
182	94.4	78.8	118.2
145	29.3	24.5	36.7





#69
Naphthalene
Concen: 47.234 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV010213.D
Acq: 10 Apr 2019 13:32

Tgt Ion:128 Resp: 411873
Ion Ratio Lower Upper
128 100
129 10.4 9.0 13.4
127 12.9 10.6 15.8



#70
1,2,3-Trichlorobenzene
Concen: 51.116 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV010213.D
Acq: 10 Apr 2019 13:32

Tgt Ion:180 Resp: 250124
Ion Ratio Lower Upper
180 100
182 95.5 76.2 114.4
145 31.9 24.9 37.3

