

Data File : VV007853.D
Acq On : 25 Sep 2018 13:42
Operator : SY/MD
Sample : VSTD20068
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20068

Quant Time: Sep 26 04:28:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 26 04:25:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	221360	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	222170	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	133861	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	265975	191.69	ug/L	0.00
7) Chloroethane-d5	1.57	69	219343	183.04	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.14	63	565576	191.29	ug/L	0.00
21) 2-Butanone-d5	3.95	46	445095	475.93	ug/L	0.00
24) Chloroform-d	4.41	84	604300	209.67	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	407619	198.32	ug/L	0.00
32) Benzene-d6	5.10	84	1188107	199.68	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	370589	198.89	ug/L	0.00
41) Toluene-d8	7.37	98	1225686	204.37	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	202755	228.57	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	371109	486.57	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	570027	207.26	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	578925	194.55	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	316334	201.505	ug/L	100
3) Chloromethane	1.26	50	292022	193.396	ug/L	100
5) Vinyl chloride	1.33	62	312329	192.712	ug/L	99
6) Bromomethane	1.52	94	169895	189.295	ug/L	99
8) Chloroethane	1.59	64	184629	182.639	ug/L	97
9) Trichlorofluoromethane	1.77	101	514920	189.614	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	287728	189.587	ug/L	99
12) 1,1-Dichloroethene	2.15	96	257969	189.623	ug/L	99
13) Acetone	2.19	43	400553	355.533	ug/L	100
14) Carbon disulfide	2.32	76	730542	205.593	ug/L	99
15) Methyl Acetate	2.46	43	322323	195.020	ug/L	100
16) Methylene chloride	2.54	84	283702	188.242	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	279875	192.614	ug/L	98
18) Methyl tert-butyl Ether	2.81	73	884850	195.447	ug/L	100
19) 1,1-Dichloroethane	3.23	63	492949	197.691	ug/L	100
20) cis-1,2-Dichloroethene	3.97	96	319353	202.841	ug/L	98
22) 2-Butanone	4.04	43	518163	401.351	ug/L	100
23) Bromochloromethane	4.31	128	168064	205.173	ug/L	98
25) Chloroform	4.43	83	569957	192.584	ug/L	99
27) 1,2-Dichloroethane	5.19	62	462449	197.156	ug/L	100
29) Cyclohexane	4.73	56	481573	202.689	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	514702	204.546	ug/L	99
31) Carbon tetrachloride	4.88	117	472606	212.583	ug/L	100
33) Benzene	5.15	78	1191834	199.492	ug/L	100
34) Trichloroethene	5.96	95	328854	198.436	ug/L	99
35) Methylcyclohexane	6.18	83	545740	209.907	ug/L	98
37) 1,2-Dichloropropane	6.23	63	313742	196.919	ug/L	99
38) Bromodichloromethane	6.56	83	440893	218.645	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	538789	232.936	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	932632	414.223	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	1374508	204.201	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	525550	228.604	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	322638	202.640	ug/L	99
46) Tetrachloroethene	8.02	164	314915	197.755	ug/L	99
48) 2-Hexanone	8.19	43	785250	441.272	ug/L	99
49) Dibromochloromethane	8.30	129	399695	229.586	ug/L	97
50) 1,2-Dibromoethane	8.40	107	355888	207.881	ug/L	99
51) Chlorobenzene	8.93	112	945227	202.879	ug/L	99
52) Ethylbenzene	9.06	91	1584920	208.448	ug/L	99
53) m,p-Xylene	9.19	106	613372	211.737	ug/L	98
54) o-xylene	9.59	106	606209	215.427	ug/L	99
55) Styrene	9.61	104	1067622	221.503	ug/L	97
56) Isopropylbenzene	9.98	105	1637070	213.440	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	541794	208.222	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	425620	200.669	ug/L	100
61) Bromoform	9.78	173	324162	229.637	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	844874	201.721	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	865527	194.465	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	852504	196.143	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	123830	217.753	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	724484	205.177	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	653891	219.485	ug/L	100
69) Naphthalene	13.56	128	1755883	240.933	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	644647	213.707	ug/L	100

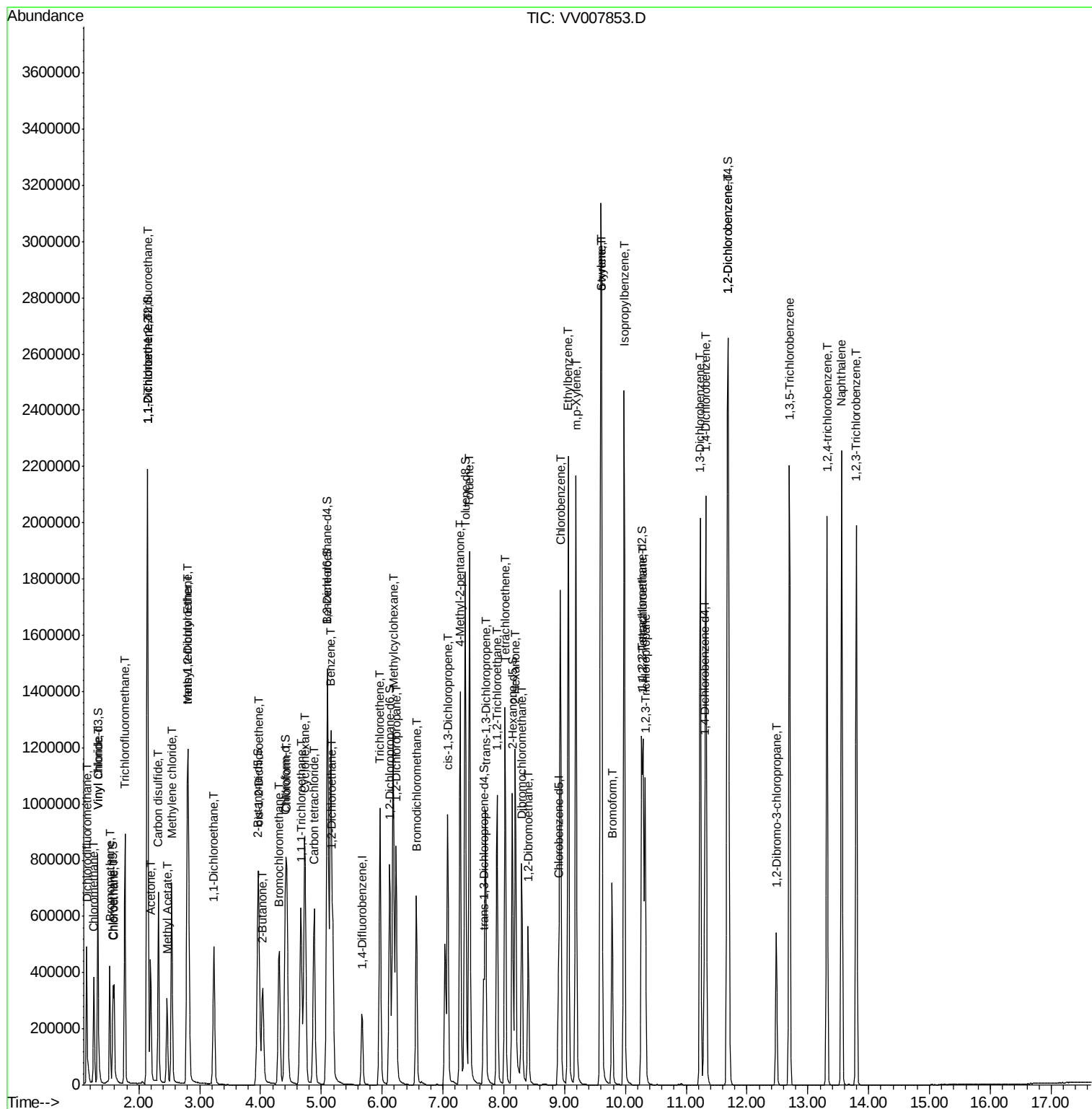
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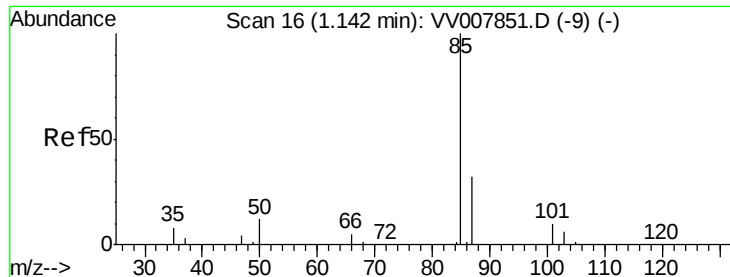
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#2

Dichlorodifluoromethane

Concen: 201.505 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Instrument :

MSVOA_V

ClientSampleId :

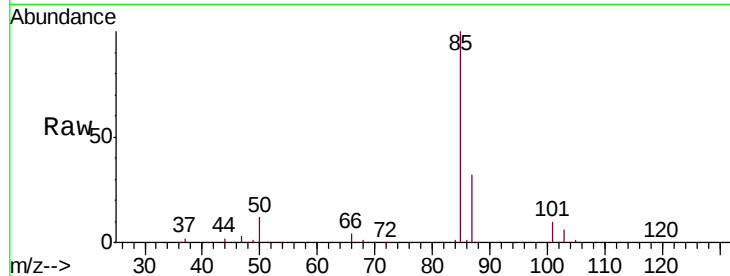
VSTD20068

Tgt Ion: 85 Resp: 316334

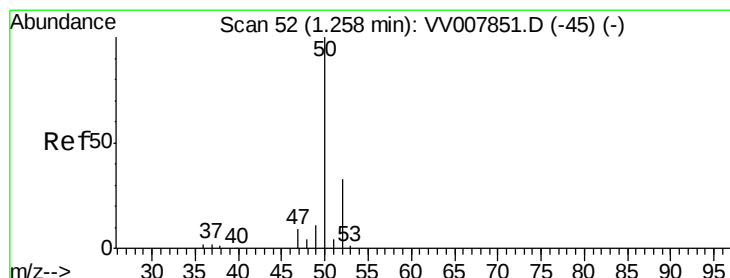
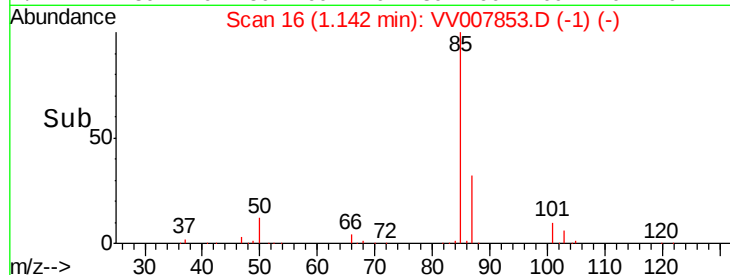
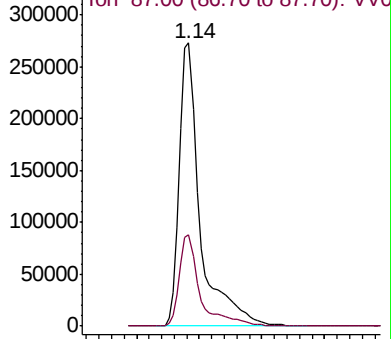
Ion Ratio Lower Upper

85 100

87 32.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV007853.D (-9) (-)



#3

Chloromethane

Concen: 193.396 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV007853.D

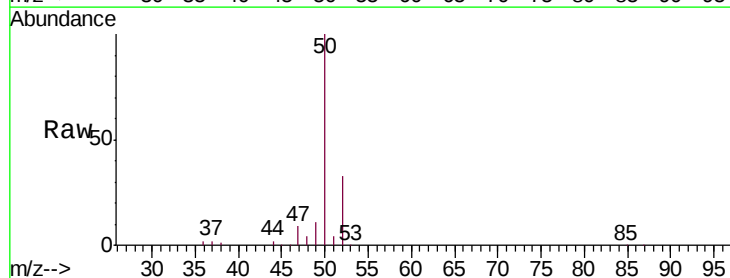
Acq: 25 Sep 2018 13:42

Tgt Ion: 50 Resp: 292022

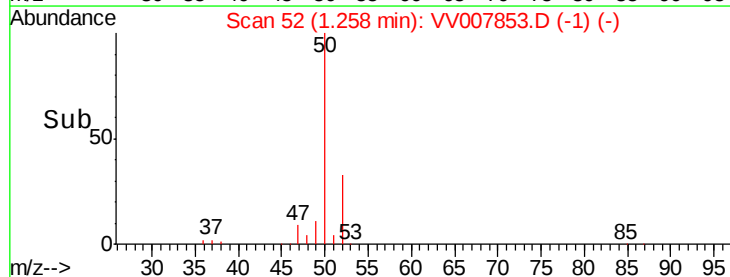
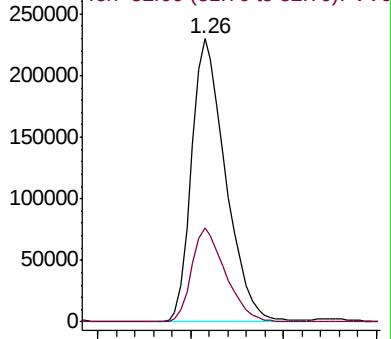
Ion Ratio Lower Upper

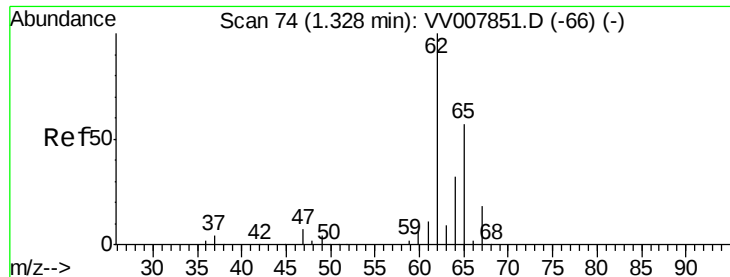
50 100

52 33.0 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV007853.D (-45) (-)





#5

Vinyl chloride

Concen: 192.712 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Instrument :

MSVOA_V

ClientSampleId :

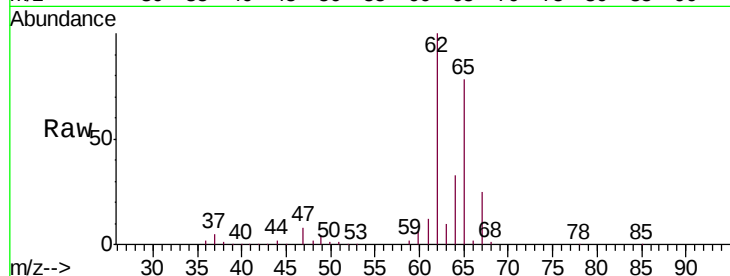
VSTD20068

Tgt Ion: 62 Resp: 312329

Ion Ratio Lower Upper

62 100

64 33.0 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV007851.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV007851.D (-66) (-)

1.33

300000

250000

200000

150000

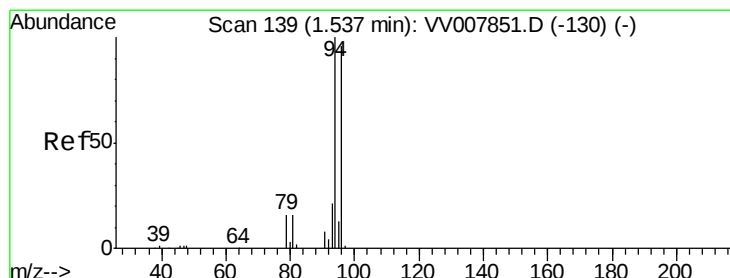
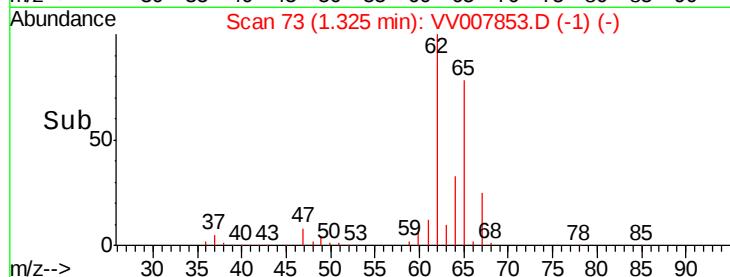
100000

50000

0

1.30 1.40

Time-->



#6

Bromomethane

Concen: 189.295 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.02 min

Lab File: VV007853.D

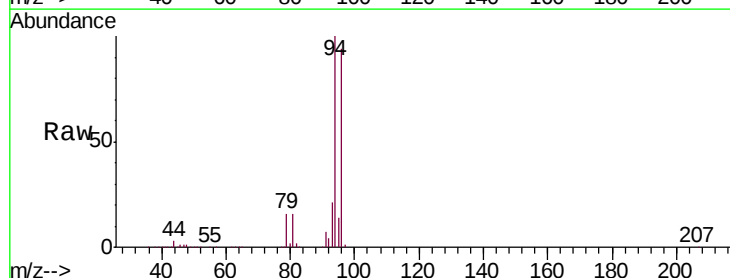
Acq: 25 Sep 2018 13:42

Tgt Ion: 94 Resp: 169895

Ion Ratio Lower Upper

94 100

96 94.2 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV007851.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV007851.D (-130) (-)

1.52

150000

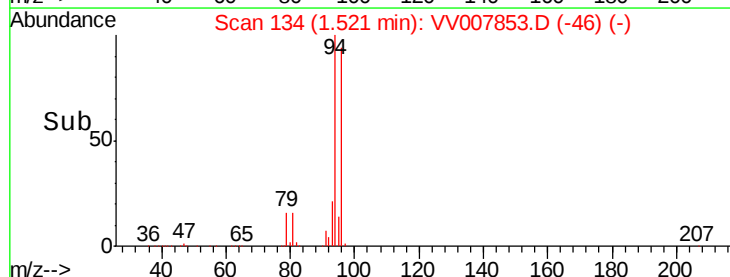
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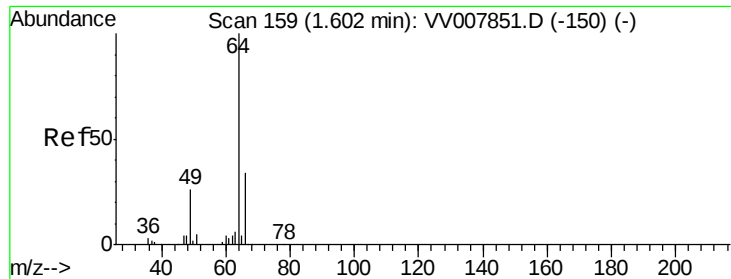
50000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 182.639 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Instrument :

MSVOA_V

ClientSampleId :

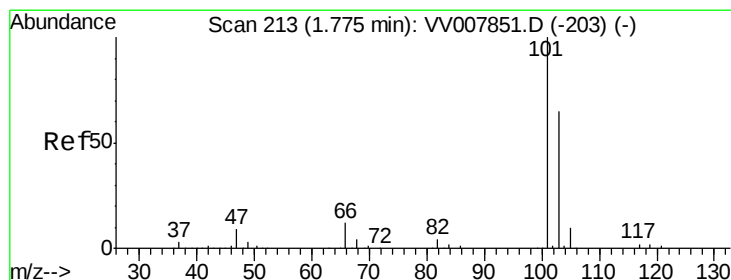
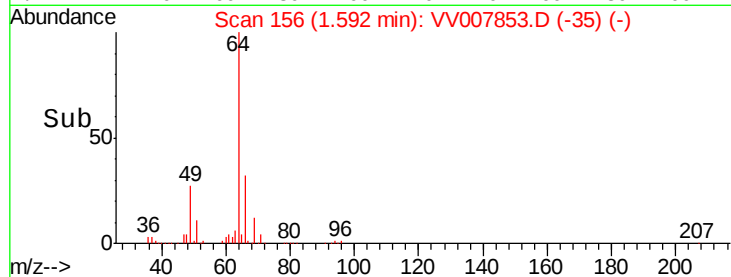
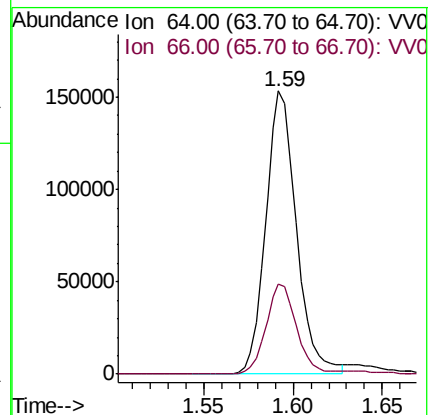
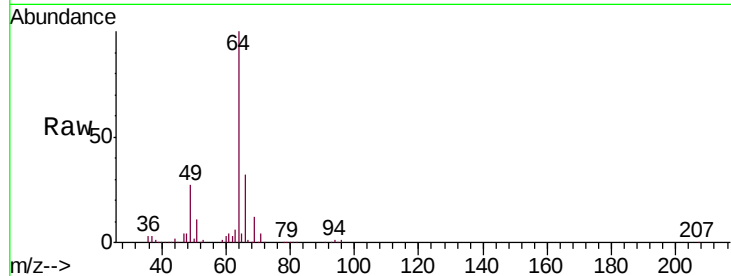
VSTD20068

Tgt Ion: 64 Resp: 184629

Ion Ratio Lower Upper

64 100

66 31.8 23.4 43.6



#9

Trichlorofluoromethane

Concen: 189.614 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.01 min

Lab File: VV007853.D

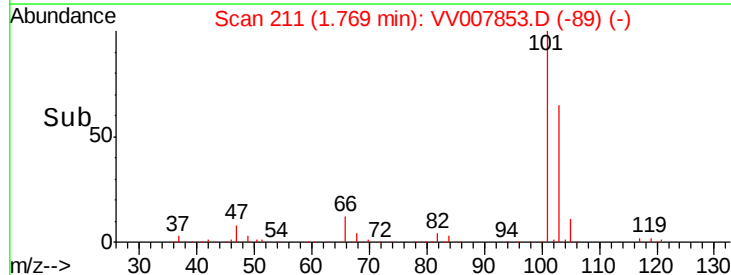
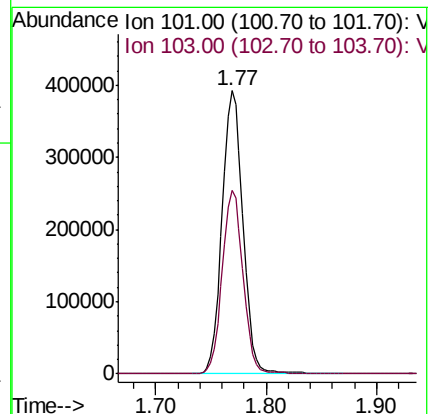
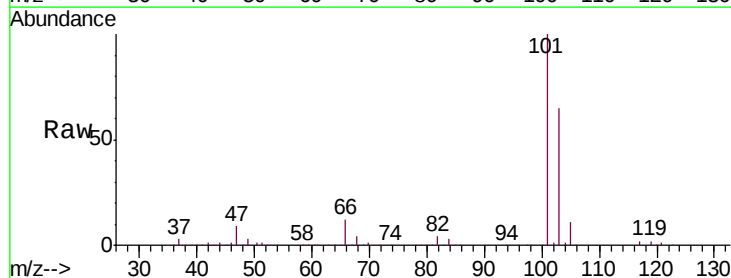
Acq: 25 Sep 2018 13:42

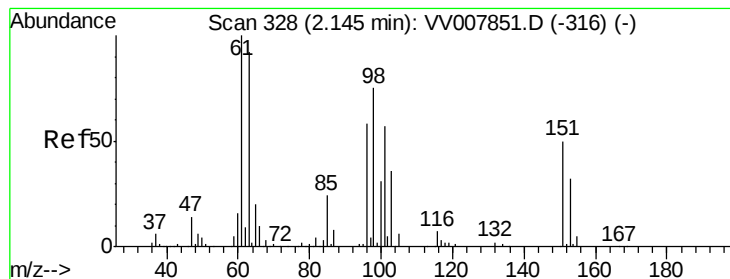
Tgt Ion: 101 Resp: 514920

Ion Ratio Lower Upper

101 100

103 64.9 52.4 78.6





#10

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

Concen: 189.587 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD20068

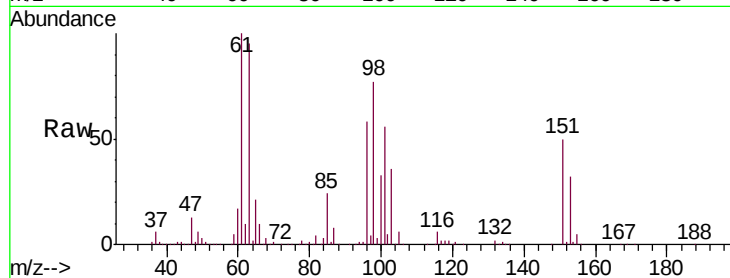
Tgt Ion: 101 Resp: 287728

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.2

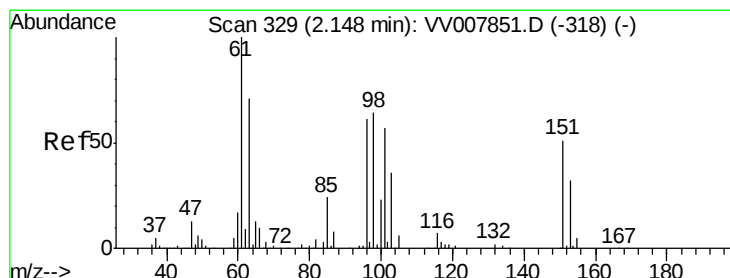
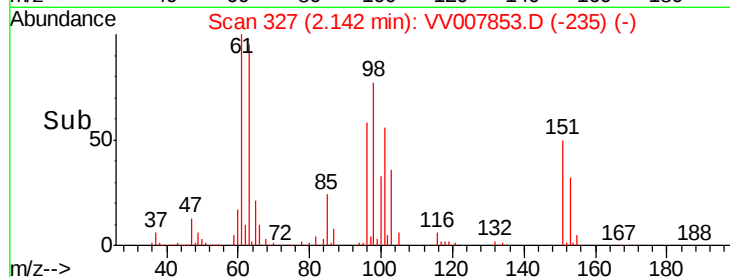
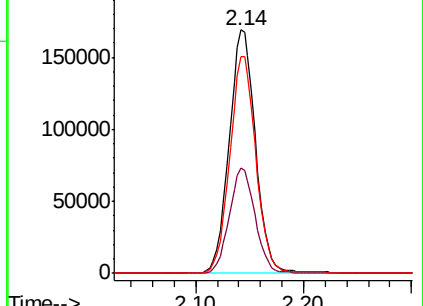
151 88.3 69.7 104.5



Abundance Ion 101.00 (100.70 to 101.70): VV007851.D (-316) (-)

Ion 85.00 (84.70 to 85.70): VV007851.D (-316) (-)

Ion 151.00 (150.70 to 151.70): VV007851.D (-316) (-)



#12

1,1-Dichloroethene

Concen: 189.623 ug/L

RT: 2.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

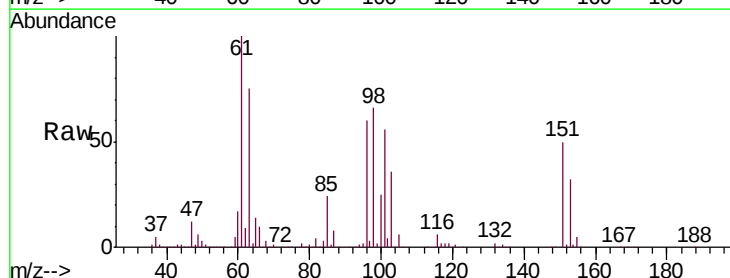
Tgt Ion: 96 Resp: 257969

Ion Ratio Lower Upper

96 100

61 165.7 116.1 215.7

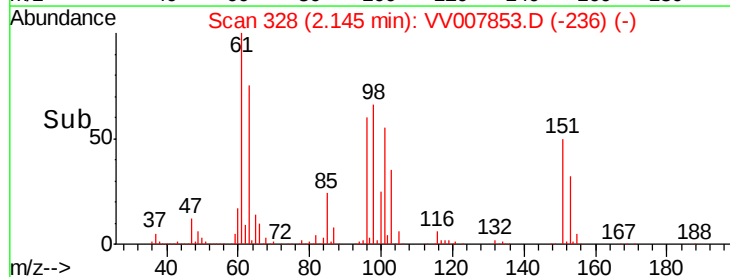
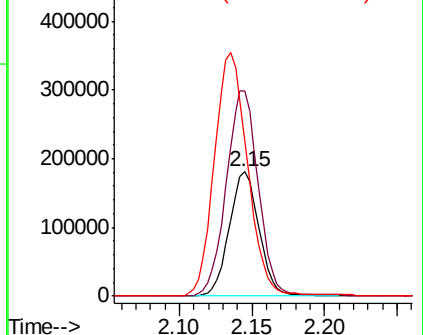
63 124.9 86.5 160.7

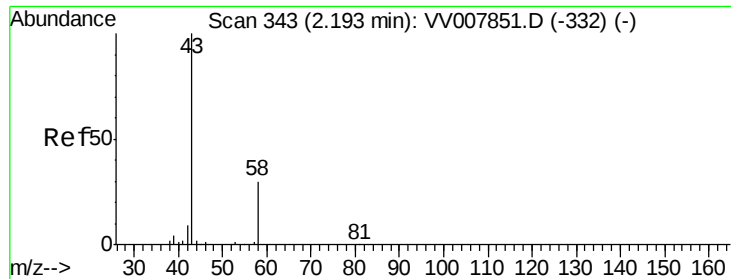


Abundance Ion 96.00 (95.70 to 96.70): VV007851.D (-318) (-)

Ion 61.00 (60.70 to 61.70): VV007851.D (-318) (-)

Ion 63.00 (62.70 to 63.70): VV007851.D (-318) (-)





#13

Acetone

Concen: 355.533 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Instrument :

MSVOA_V

ClientSampleId :

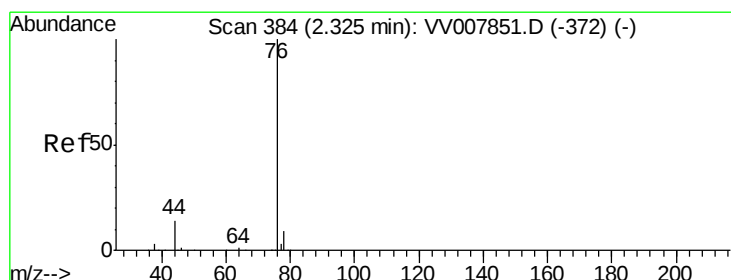
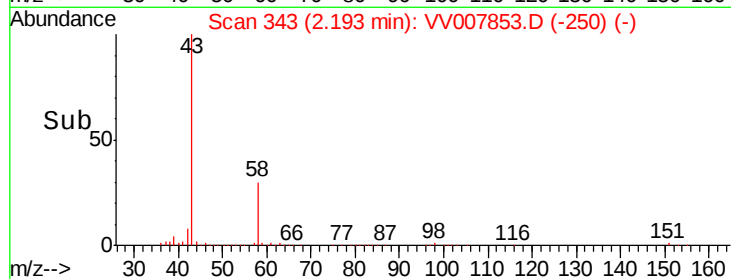
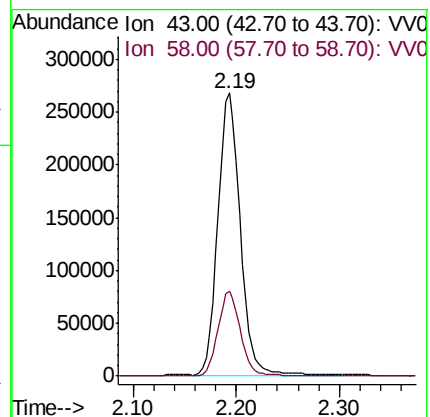
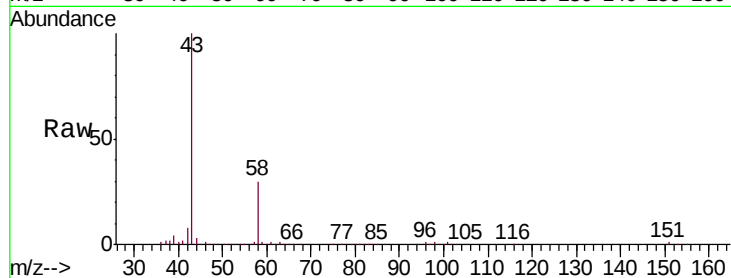
VSTD20068

Tgt Ion: 43 Resp: 400553

Ion Ratio Lower Upper

43 100

58 29.8 0.0 59.4



#14

Carbon disulfide

Concen: 205.593 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV007853.D

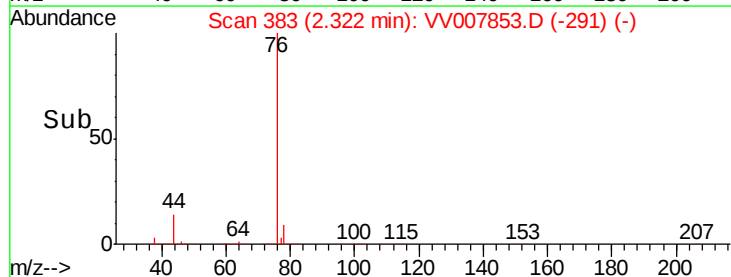
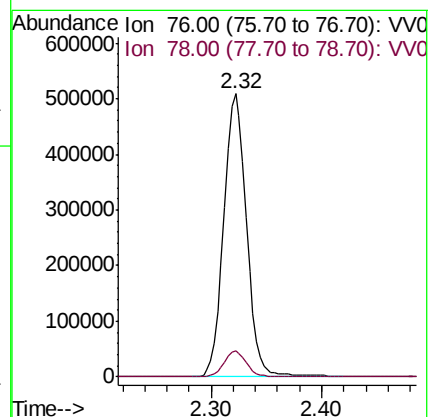
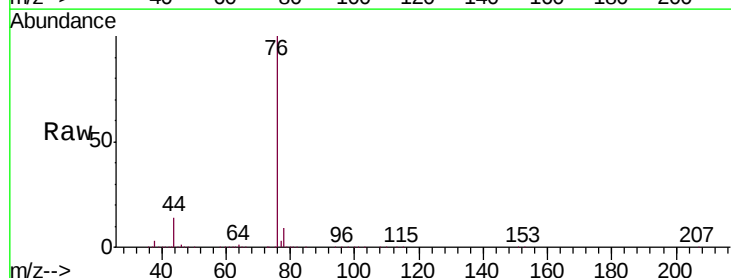
Acq: 25 Sep 2018 13:42

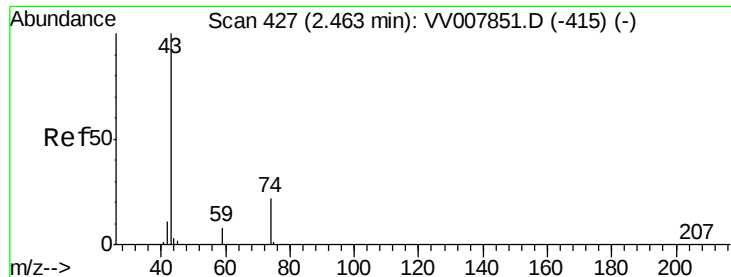
Tgt Ion: 76 Resp: 730542

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

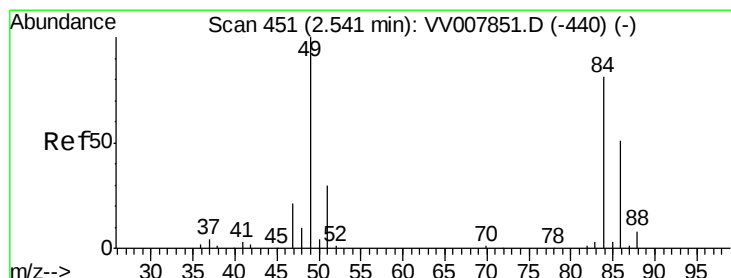
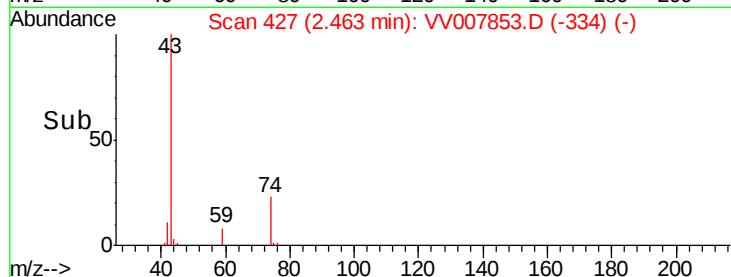
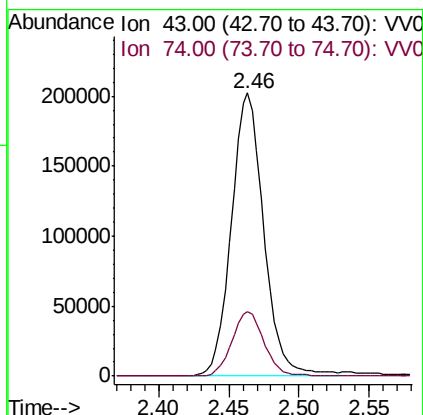
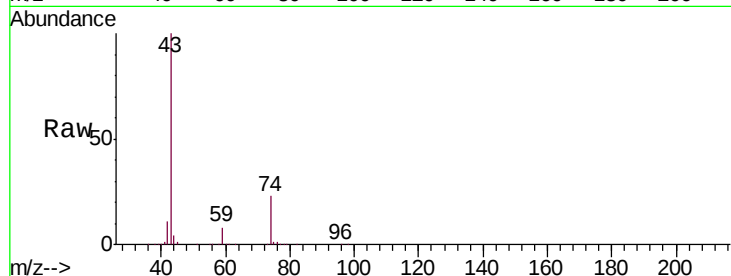




#15
Methyl Acetate
Concen: 195.020 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV007853.D
Acq: 25 Sep 2018 13:42

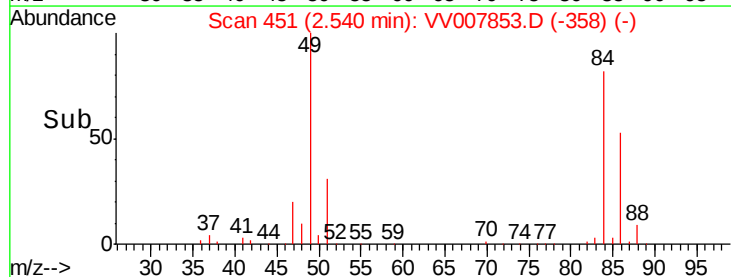
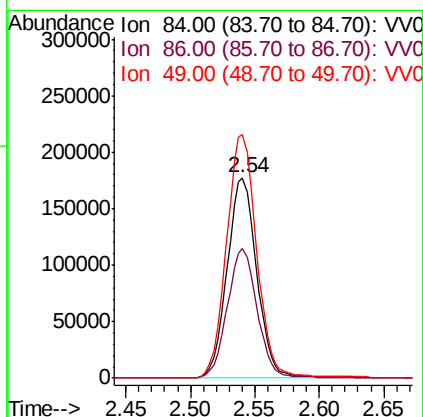
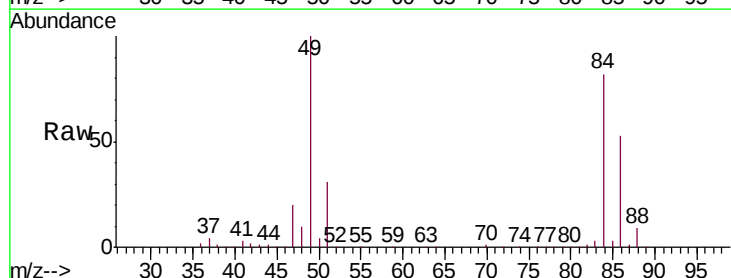
Instrument :
MSVOA_V
ClientSampleId :
VSTD20068

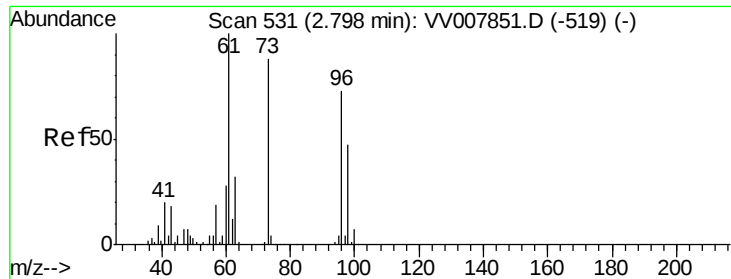
Tgt Ion: 43 Resp: 322323
Ion Ratio Lower Upper
43 100
74 22.8 18.2 27.4



#16
Methylene chloride
Concen: 188.242 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV007853.D
Acq: 25 Sep 2018 13:42

Tgt Ion: 84 Resp: 283702
Ion Ratio Lower Upper
84 100
86 64.5 44.4 82.4
49 121.5 86.8 161.2





#17

trans-1,2-Dichloroethene

Concen: 192.614 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Instrument :

MSVOA_V

ClientSampled :

VSTD20068

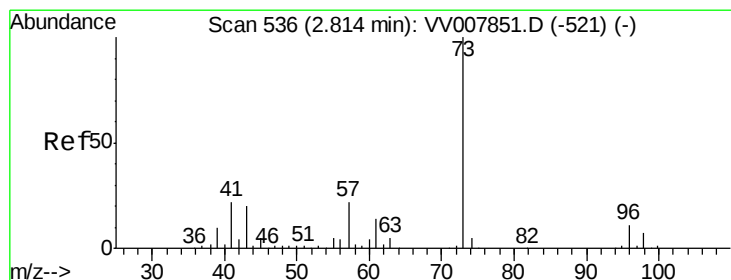
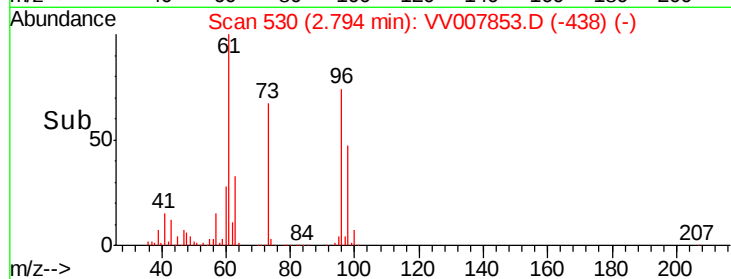
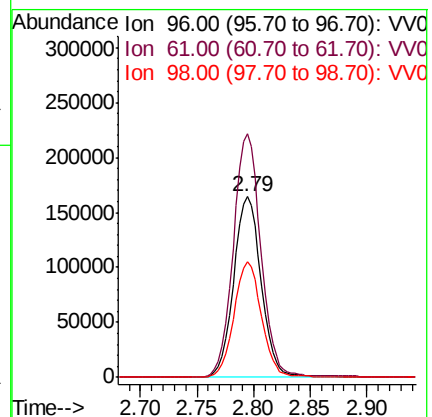
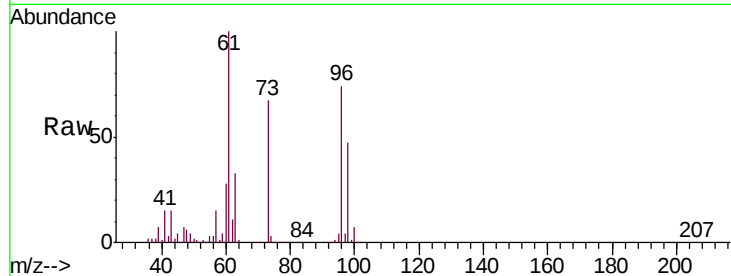
Tgt Ion: 96 Resp: 279875

Ion Ratio Lower Upper

96 100

61 135.0 96.8 179.8

98 63.8 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 195.447 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

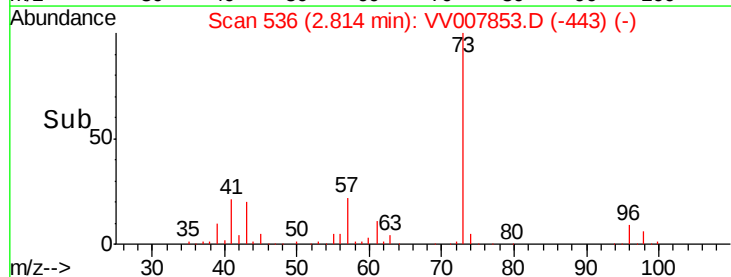
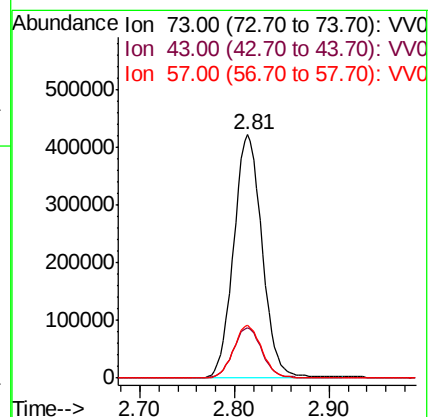
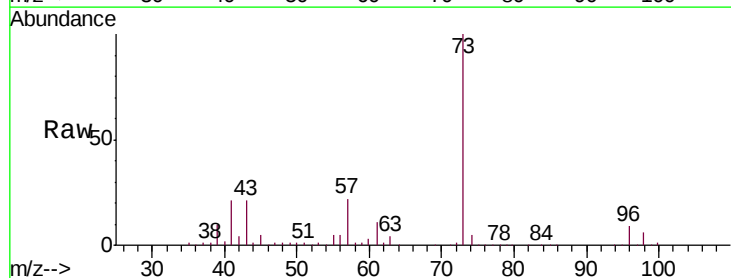
Tgt Ion: 73 Resp: 884850

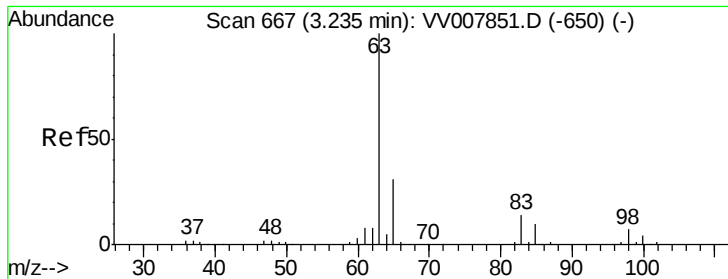
Ion Ratio Lower Upper

73 100

43 20.6 16.2 24.4

57 21.3 17.1 25.7





#19

1,1-Dichloroethane

Concen: 197.691 ug/L

RT: 3.23 min Scan# 666

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD20068

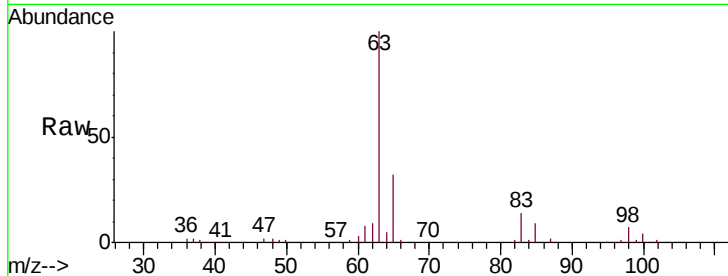
Tgt Ion: 63 Resp: 492949

Ion Ratio Lower Upper

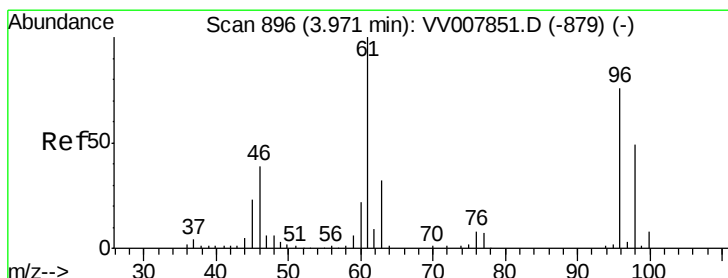
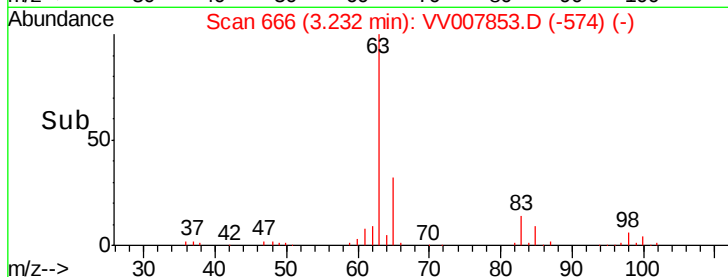
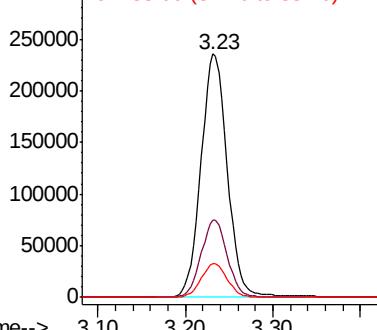
63 100

65 31.6 21.9 40.7

83 14.0 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 202.841 ug/L

RT: 3.97 min Scan# 895

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

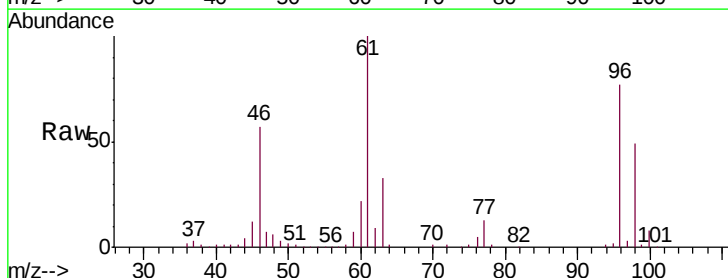
Tgt Ion: 96 Resp: 319353

Ion Ratio Lower Upper

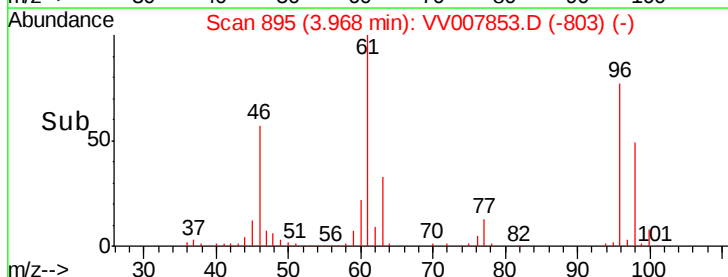
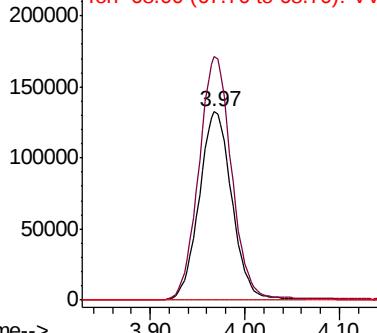
96 100

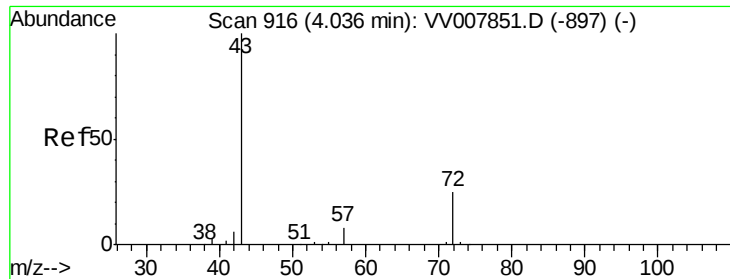
61 129.4 92.6 172.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 401.351 ug/L

RT: 4.04 min Scan# 916

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Instrument :

MSVOA_V

ClientSampleId :

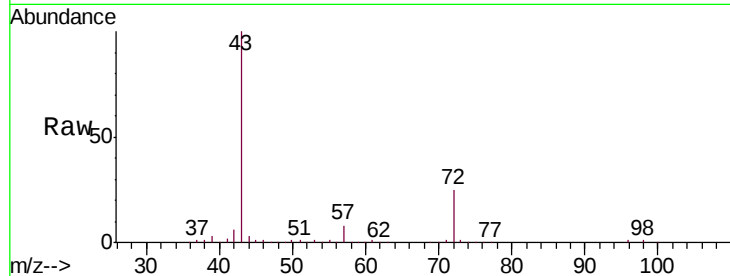
VSTD20068

Tgt Ion: 43 Resp: 518163

Ion Ratio Lower Upper

43 100

72 24.8 12.4 37.2



Abundance Ion 43.00 (42.70 to 43.70): VV007853.D (-823) (-)

Ion 72.00 (71.70 to 72.70): VV007853.D (-823) (-)

4.04

200000

150000

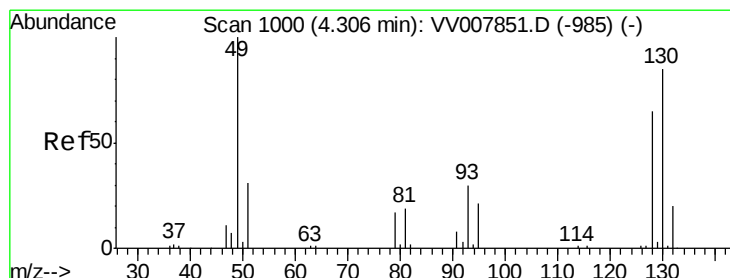
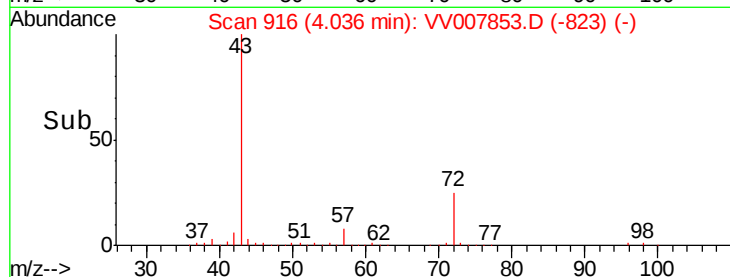
100000

50000

0

4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 205.173 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Tgt Ion: 128 Resp: 168064

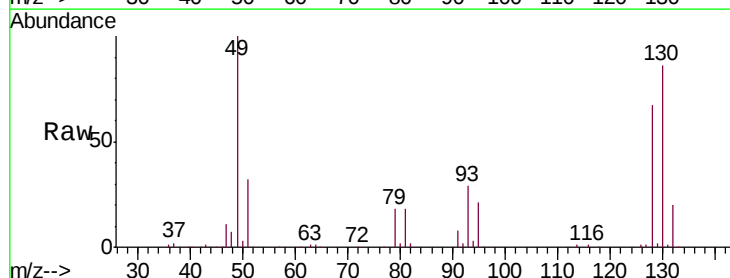
Ion Ratio Lower Upper

128 100

49 149.3 107.7 199.9

130 128.1 91.1 169.1

51 47.1 38.1 57.1



Abundance Ion 128.00 (127.70 to 128.70): VV007853.D (-907) (-)

Ion 49.00 (48.70 to 49.70): VV007853.D (-907) (-)

Ion 130.00 (129.70 to 130.70): VV007853.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VV007853.D (-907) (-)

150000

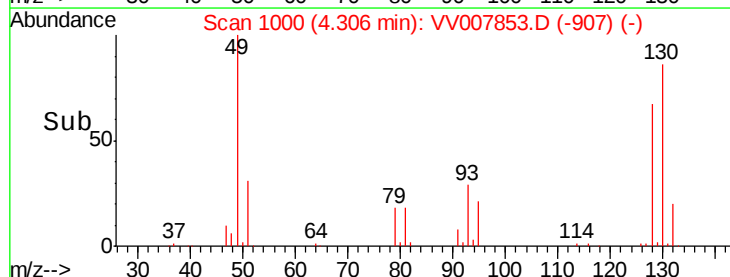
100000

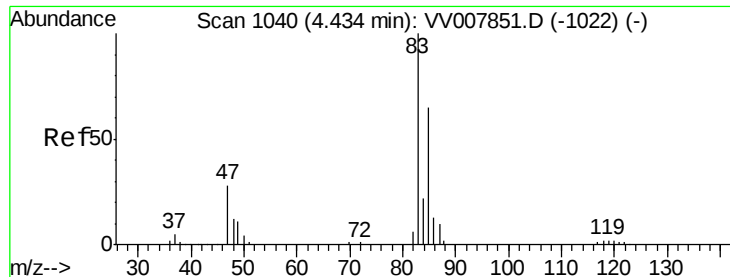
50000

0

4.20 4.30 4.40

Time-->

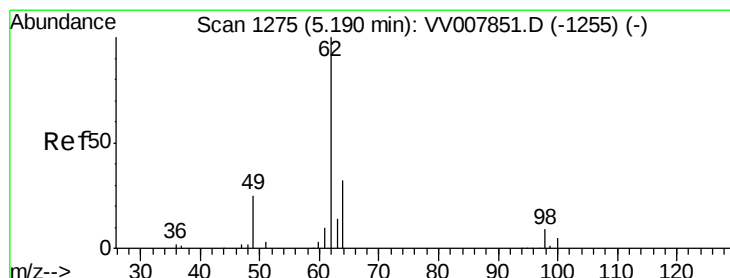
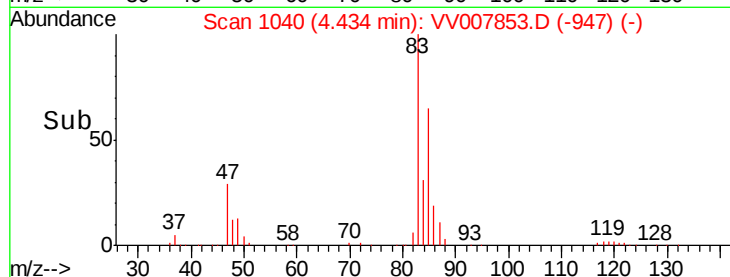
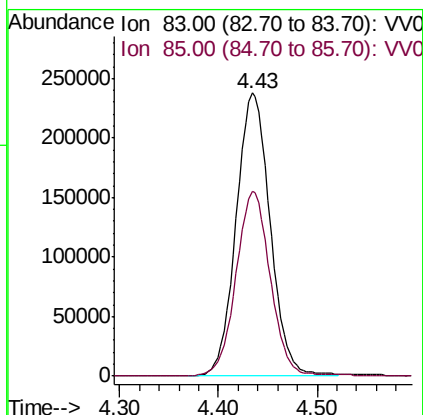
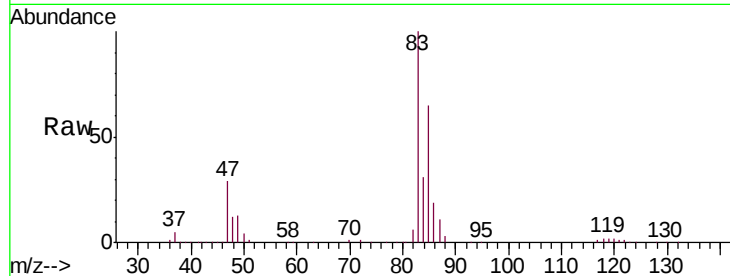




#25
Chloroform
Concen: 192.584 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV007853.D
Acq: 25 Sep 2018 13:42

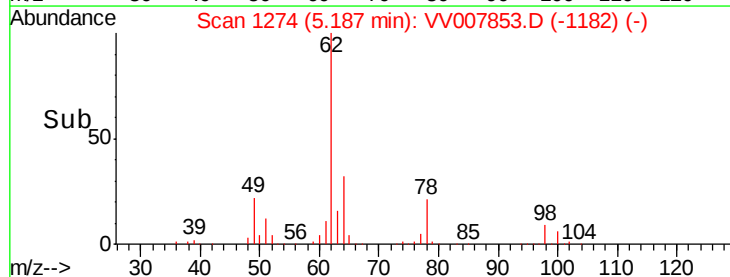
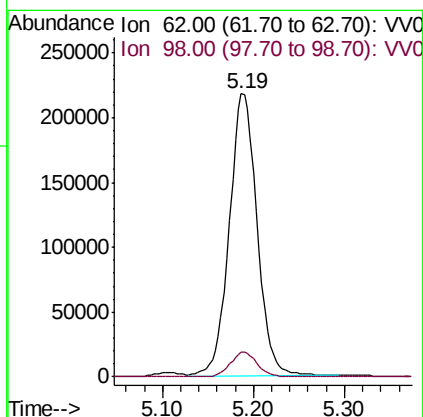
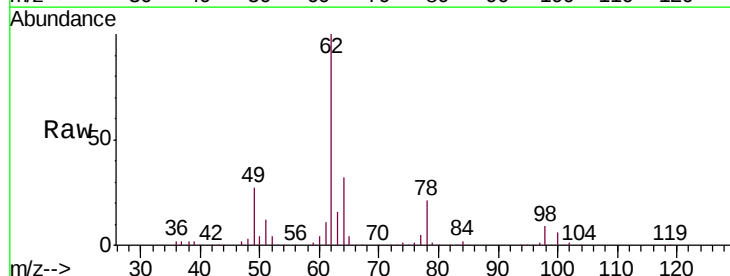
Instrument :
MSVOA_V
ClientSampleId :
VSTD20068

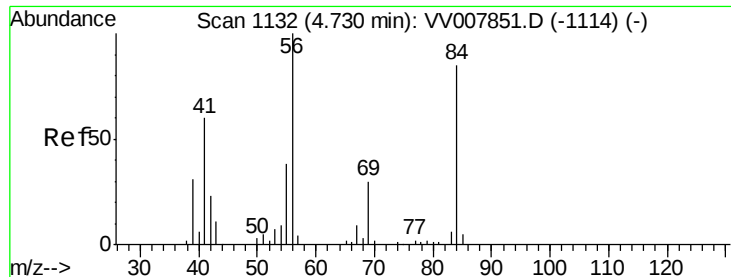
Tgt Ion: 83 Resp: 569957
Ion Ratio Lower Upper
83 100
85 65.2 45.9 85.3



#27
1,2-Dichloroethane
Concen: 197.156 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007853.D
Acq: 25 Sep 2018 13:42

Tgt Ion: 62 Resp: 462449
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4

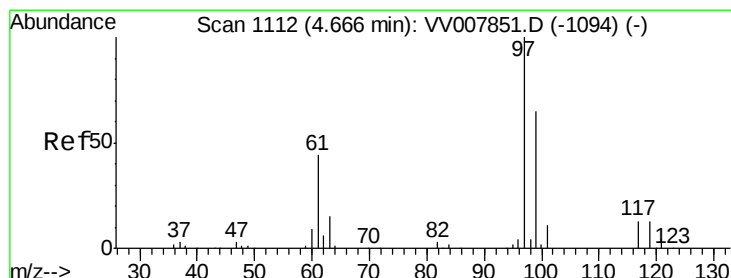
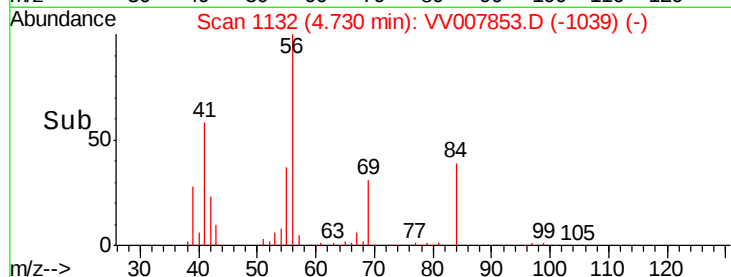
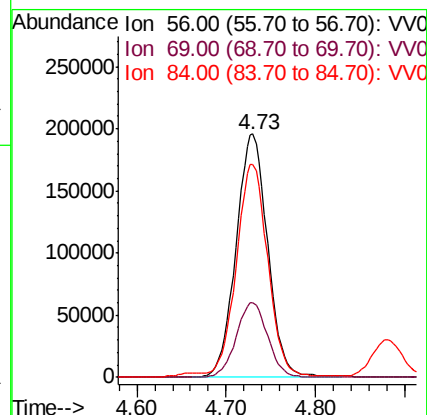
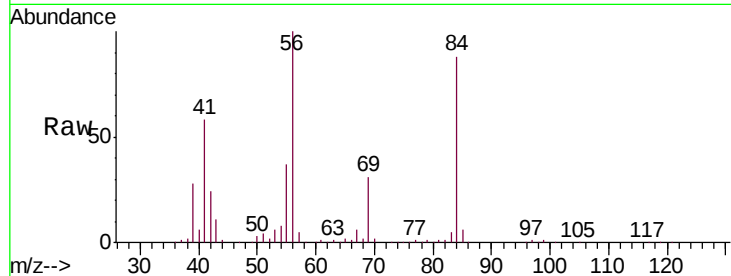




#29
Cyclohexane
Concen: 202.689 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VV007853.D
Acq: 25 Sep 2018 13:42

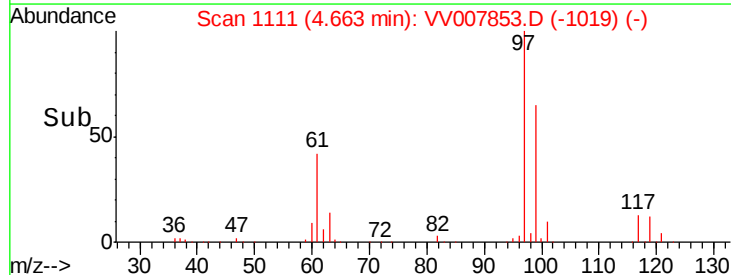
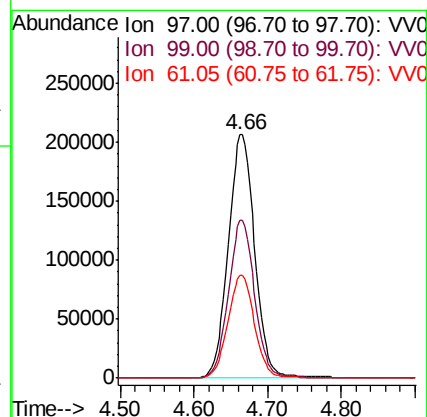
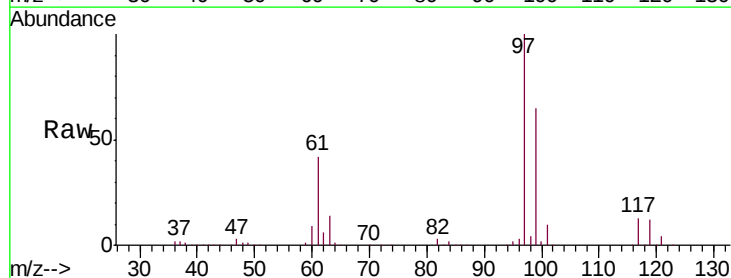
Instrument :
MSVOA_V
ClientSampleId :
VSTD20068

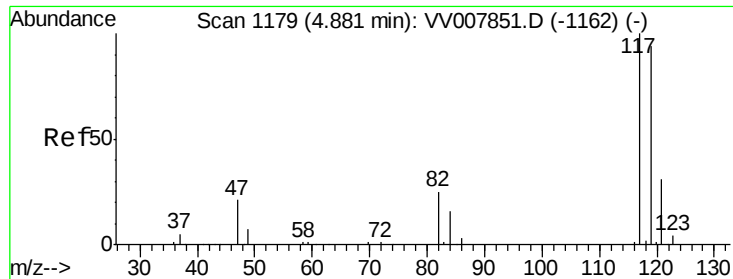
Tgt Ion: 56 Resp: 481573
Ion Ratio Lower Upper
56 100
69 30.5 24.1 36.1
84 86.5 68.2 102.4



#30
1,1,1-Trichloroethane
Concen: 204.546 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VV007853.D
Acq: 25 Sep 2018 13:42

Tgt Ion: 97 Resp: 514702
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.6
61 42.6 35.0 52.4





#31

Carbon tetrachloride

Concen: 212.583 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Instrument :

MSVOA_V

ClientSampleId :

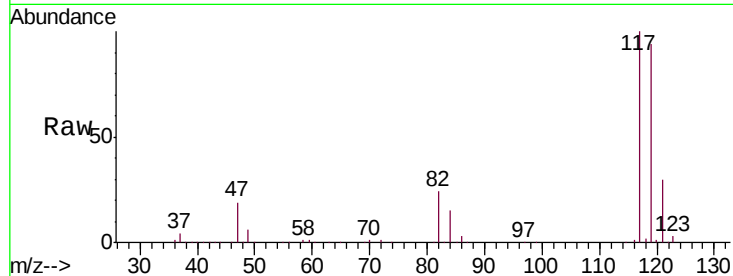
VSTD20068

Tgt Ion:117 Resp: 472606

Ion Ratio Lower Upper

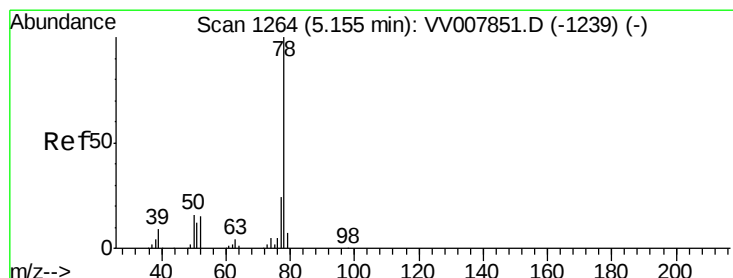
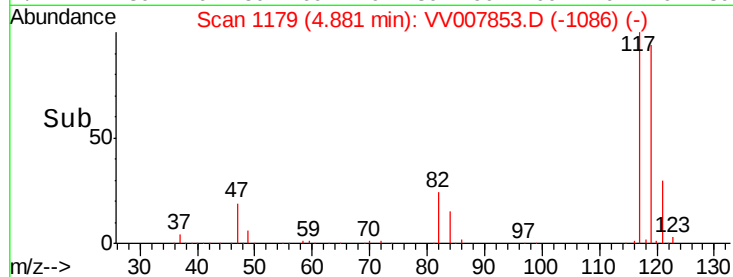
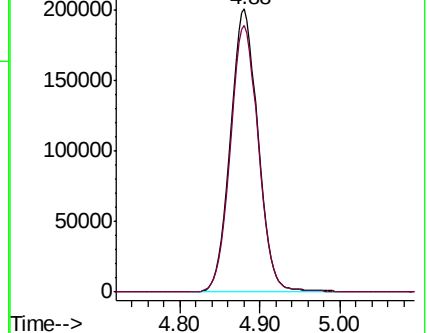
117 100

119 95.7 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 199.492 ug/L

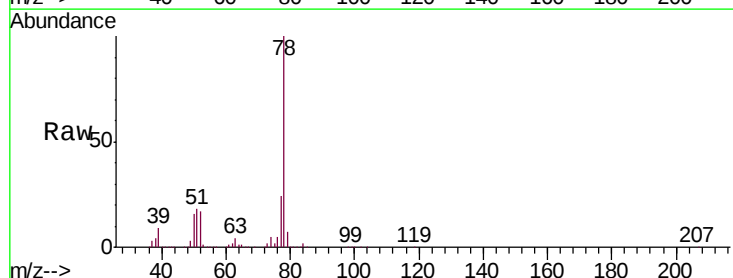
RT: 5.15 min Scan# 1264

Delta R.T. -0.00 min

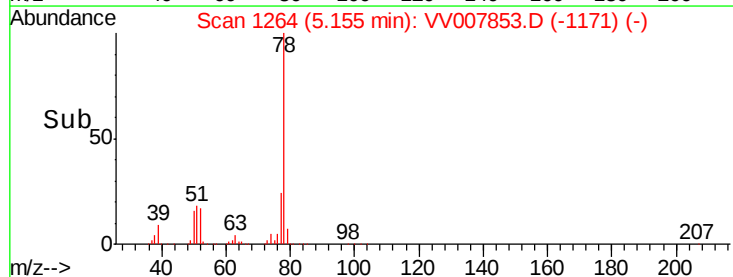
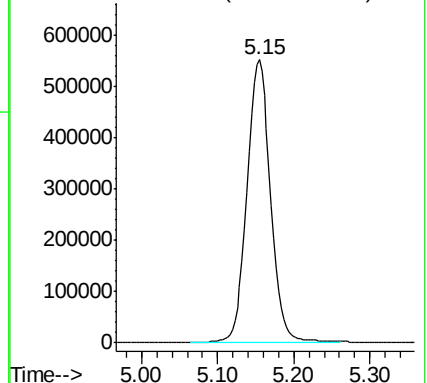
Lab File: VV007853.D

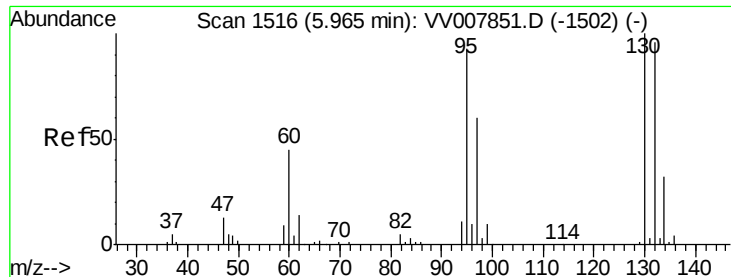
Acq: 25 Sep 2018 13:42

Tgt Ion: 78 Resp: 1191834



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 198.436 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Instrument :

MSVOA_V

ClientSampled :

VSTD20068

Tgt Ion: 95 Resp: 328854

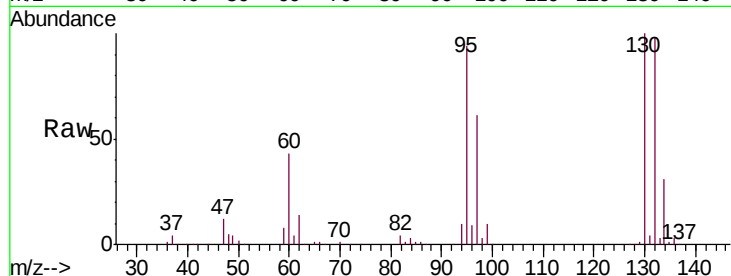
Ion Ratio Lower Upper

95 100

97 64.5 45.4 84.2

132 103.8 72.2 134.0

130 106.2 75.5 140.3

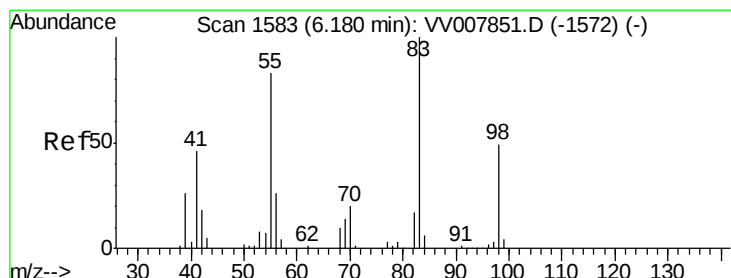
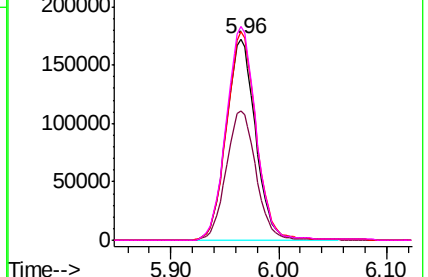
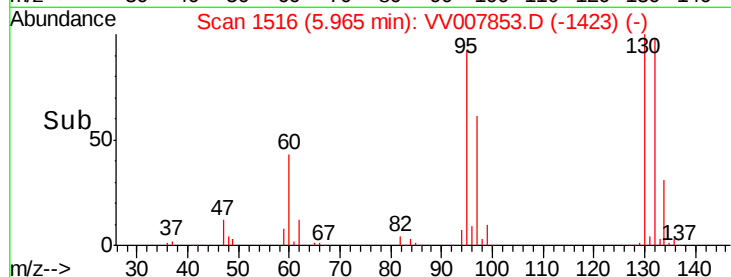


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#35

Methylcyclohexane

Concen: 209.907 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

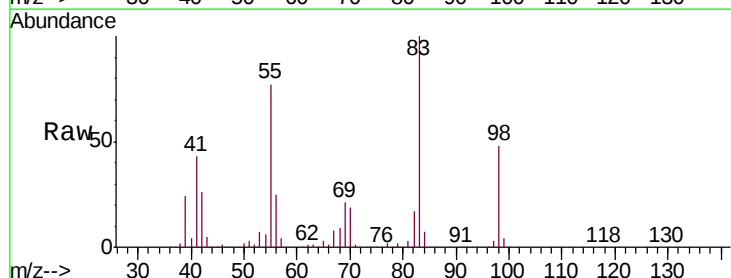
Tgt Ion: 83 Resp: 545740

Ion Ratio Lower Upper

83 100

55 75.5 62.6 94.0

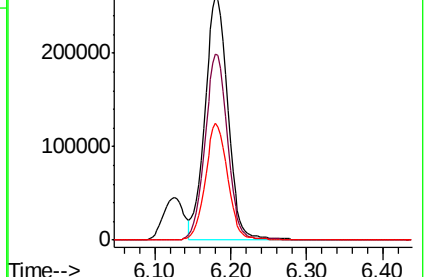
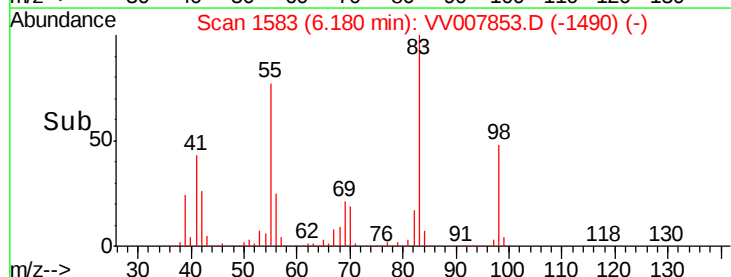
98 46.2 37.6 56.4

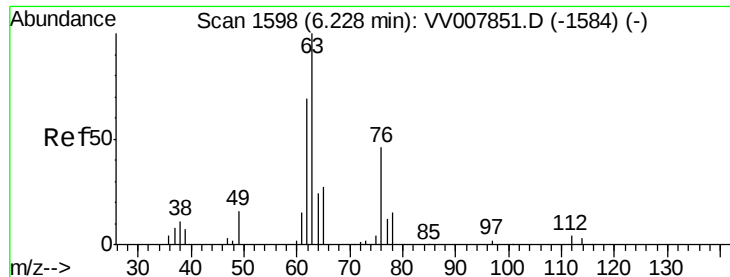


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

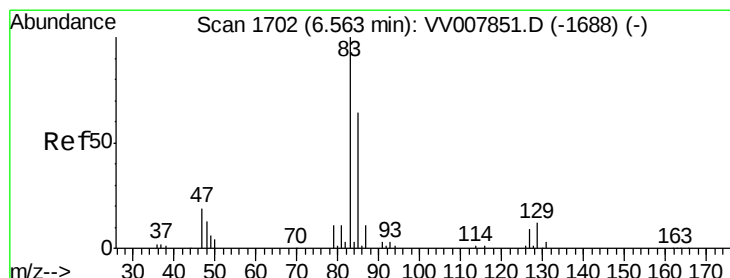
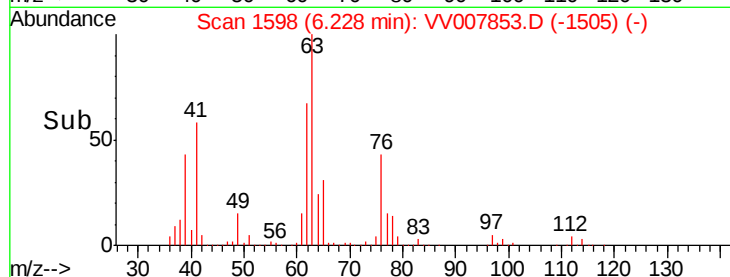
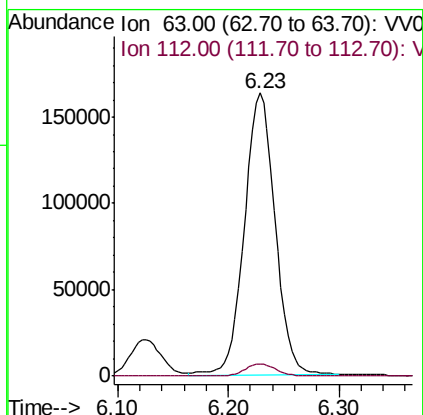
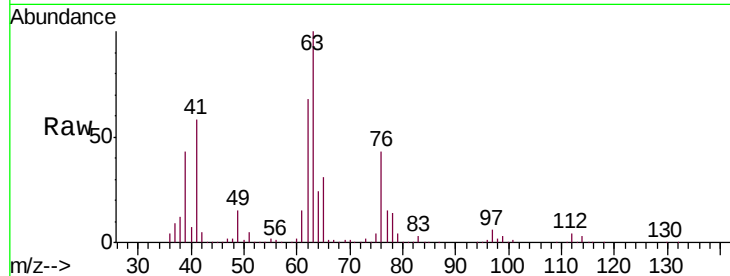




#37
 1,2-Dichloropropane
 Concen: 196.919 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: VV007853.D
 Acq: 25 Sep 2018 13:42

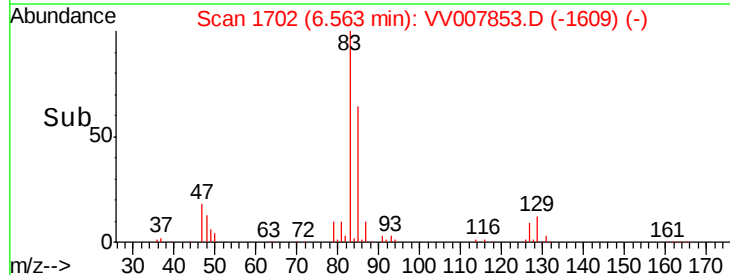
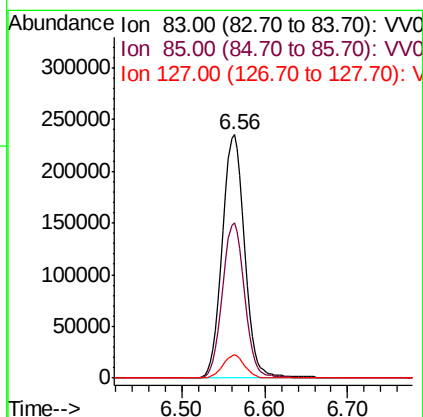
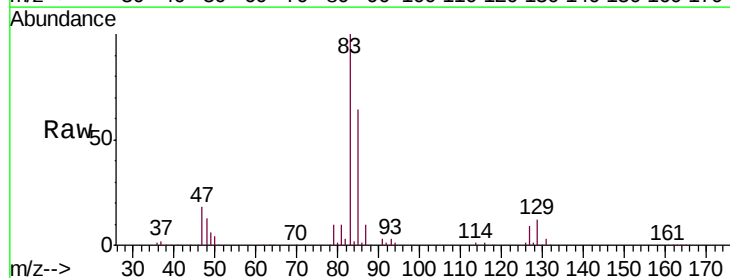
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20068

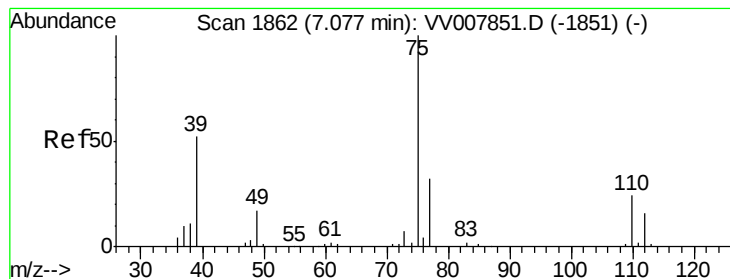
Tgt Ion: 63 Resp: 313742
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.3 4.9



#38
 Bromodichloromethane
 Concen: 218.645 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VV007853.D
 Acq: 25 Sep 2018 13:42

Tgt Ion: 83 Resp: 440893
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.9 83.3
 127 9.4 7.4 11.2



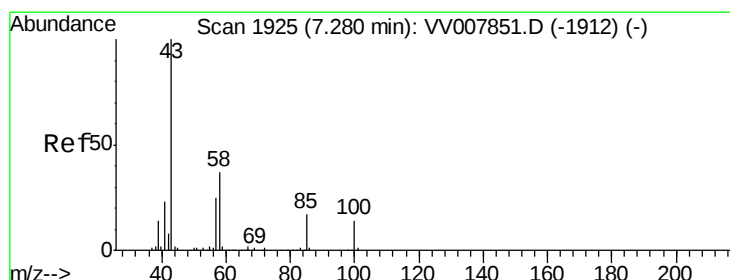
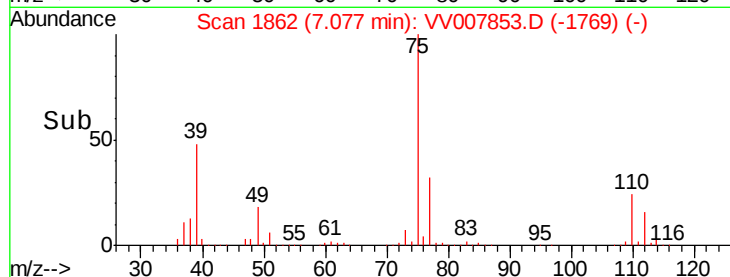
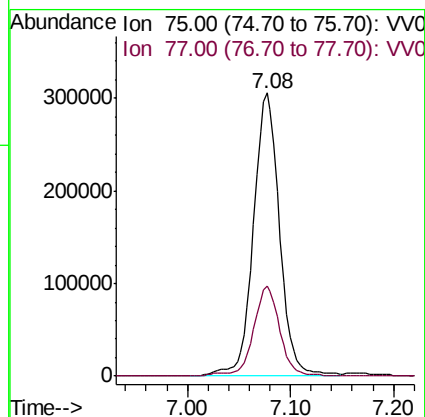
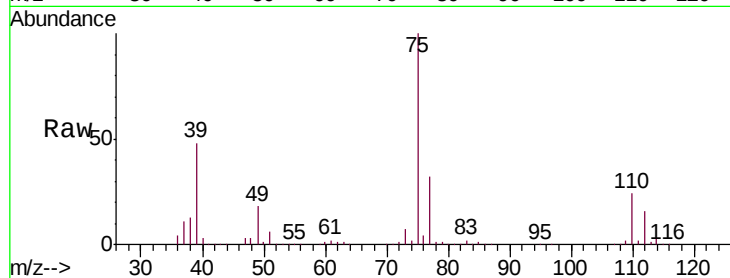


#39

cis-1,3-Dichloropropene
Concen: 232.936 ug/L
RT: 7.08 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VV007853.D
Acq: 25 Sep 2018 13:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD20068

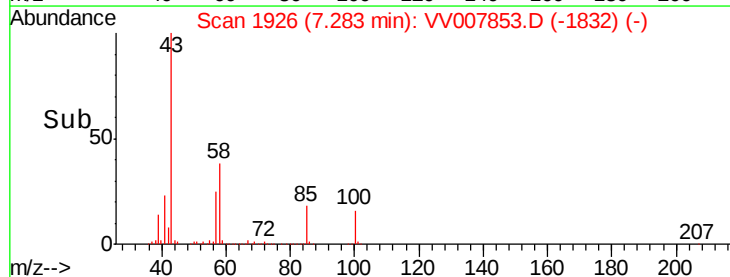
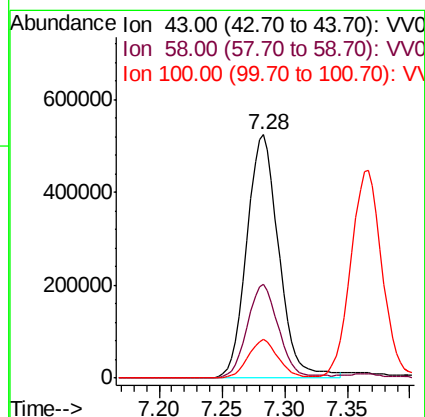
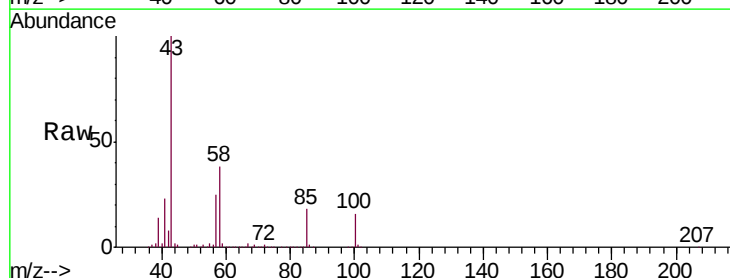
Tgt Ion: 75 Resp: 538789
Ion Ratio Lower Upper
75 100
77 31.7 22.8 42.4

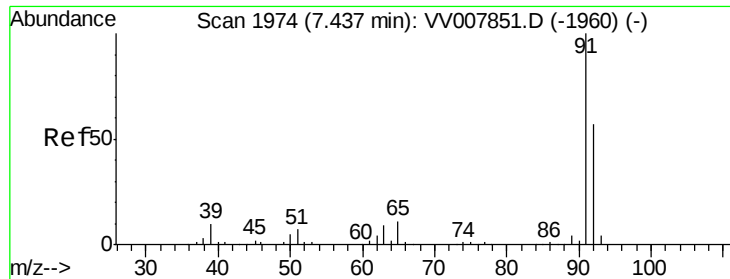


#40

4-Methyl-2-pentanone
Concen: 414.223 ug/L
RT: 7.28 min Scan# 1926
Delta R.T. 0.00 min
Lab File: VV007853.D
Acq: 25 Sep 2018 13:42

Tgt Ion: 43 Resp: 932632
Ion Ratio Lower Upper
43 100
58 38.0 29.3 43.9
100 14.9 11.0 16.4





#42

Toluene

Concen: 204.201 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Instrument :

MSVOA_V

ClientSampleId :

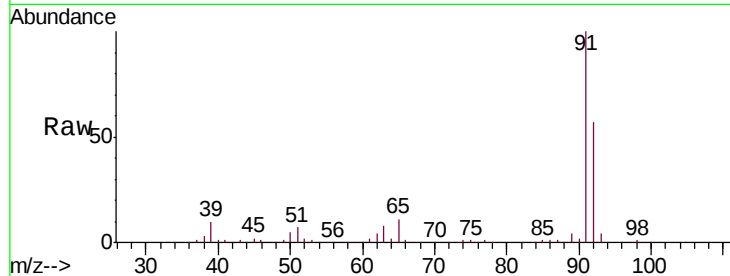
VSTD20068

Tgt Ion: 91 Resp: 1374508

Ion Ratio Lower Upper

91 100

92 57.0 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VV007853.D (-1960) (-)

Ion 92.00 (91.70 to 92.70): VV007853.D (-1960) (-)

7.44

800000

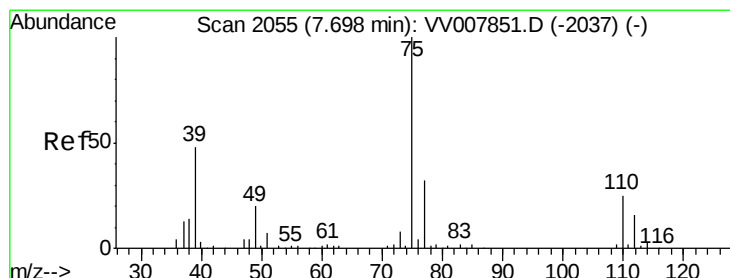
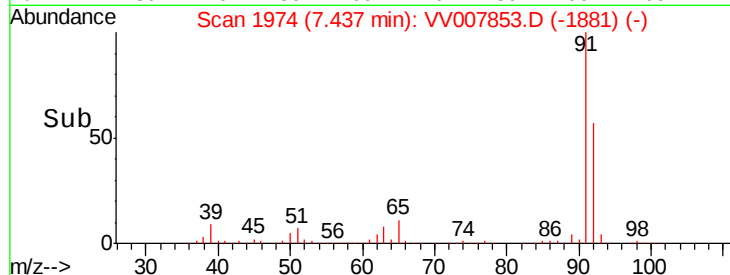
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 228.604 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007853.D

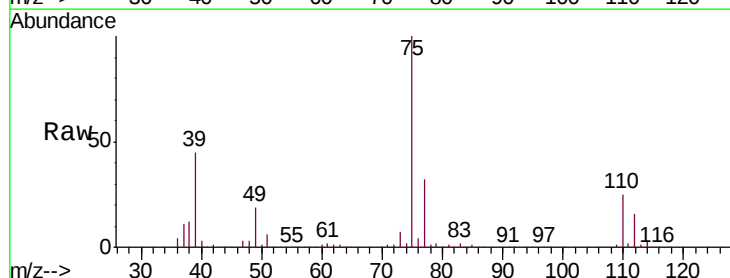
Acq: 25 Sep 2018 13:42

Tgt Ion: 75 Resp: 525550

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV007853.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV007853.D (-2037) (-)

7.70

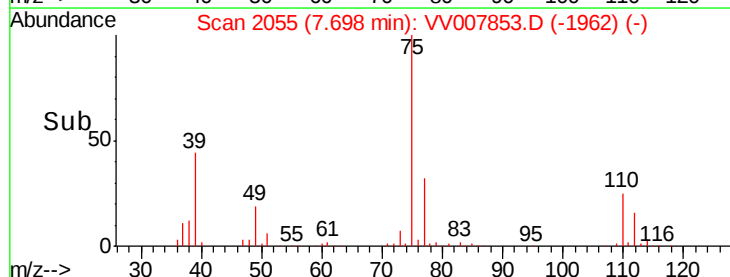
300000

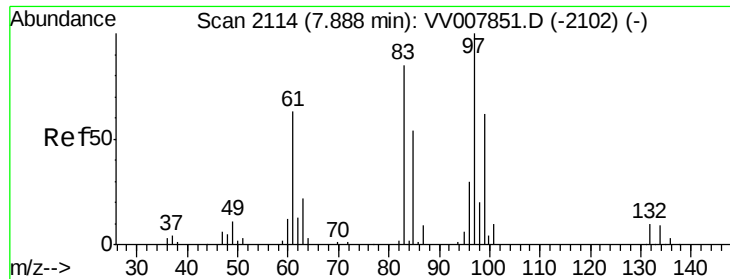
200000

100000

0

Time-->

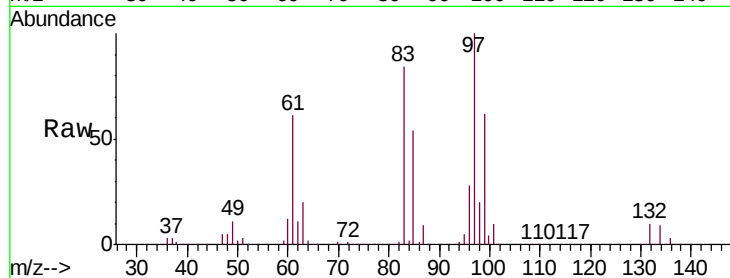




#45
 1,1,2-Trichloroethane
 Concen: 202.640 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV007853.D
 Acq: 25 Sep 2018 13:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20068

Tgt Ion:	97	Resp:	322638
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.7	81.1
83	83.5	59.6	110.8
85	54.4	37.7	70.1



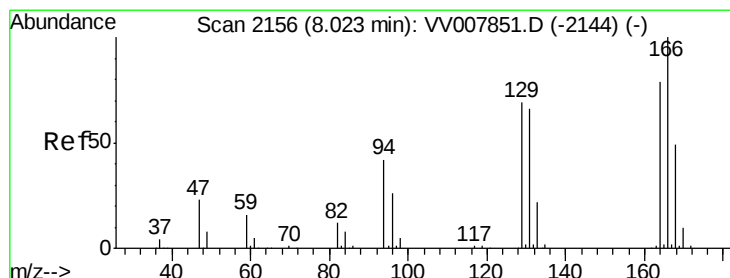
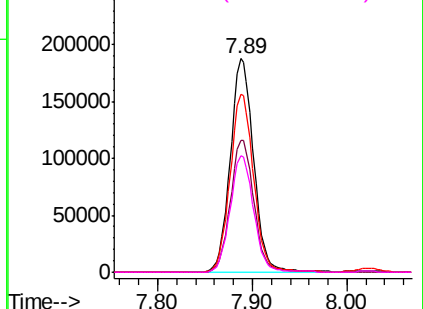
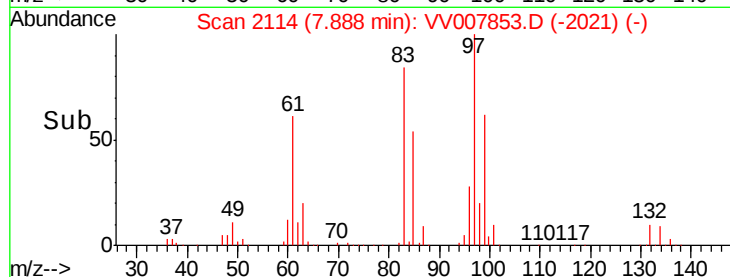
Abundance

Ion 97.00 (96.70 to 97.70): VV007853.D (-2021) (-)

Ion 99.00 (98.70 to 99.70): VV007853.D (-2021) (-)

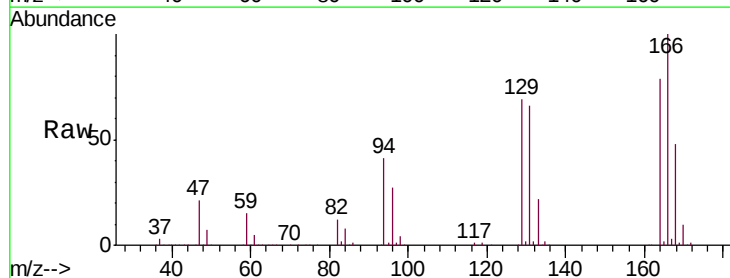
Ion 83.00 (82.70 to 83.70): VV007853.D (-2021) (-)

Ion 85.00 (84.70 to 85.70): VV007853.D (-2021) (-)



#46
 Tetrachloroethene
 Concen: 197.755 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.00 min
 Lab File: VV007853.D
 Acq: 25 Sep 2018 13:42

Tgt Ion:	164	Resp:	314915
Ion	Ratio	Lower	Upper
164	100		
129	88.2	60.9	113.1
131	84.4	58.8	109.2
166	127.2	88.8	164.8



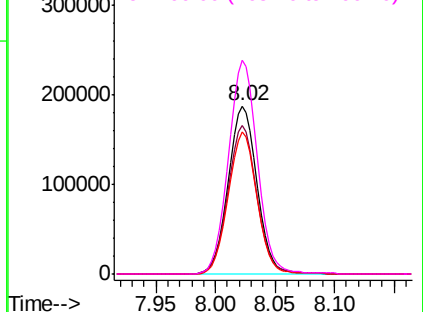
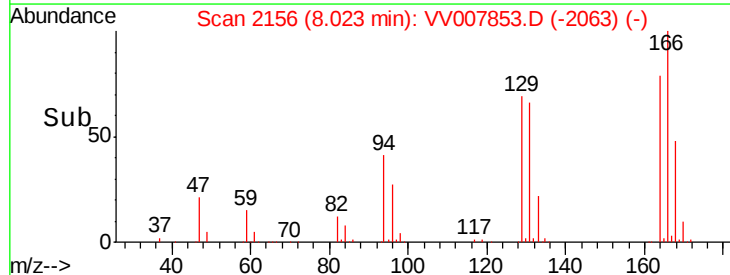
Abundance

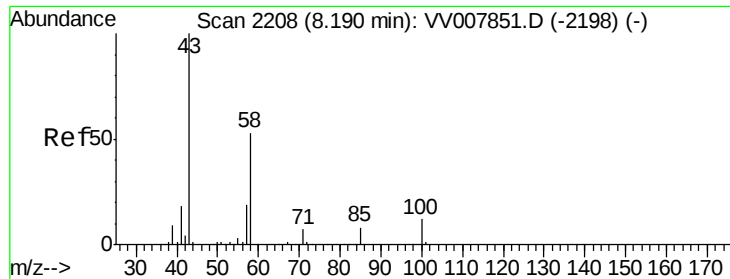
Ion 164.00 (163.70 to 164.70): VV007853.D (-2063) (-)

Ion 129.00 (128.70 to 129.70): VV007853.D (-2063) (-)

Ion 131.00 (130.70 to 131.70): VV007853.D (-2063) (-)

Ion 166.00 (165.70 to 166.70): VV007853.D (-2063) (-)

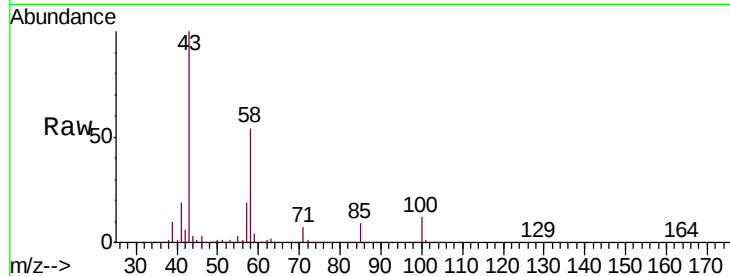




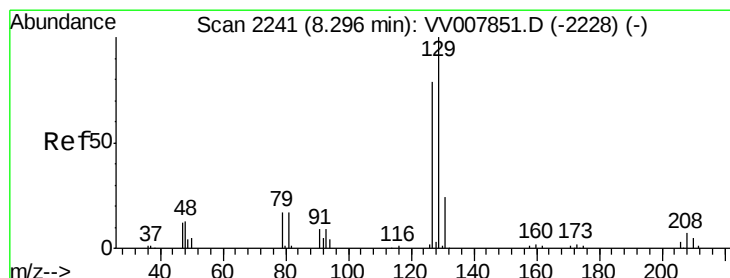
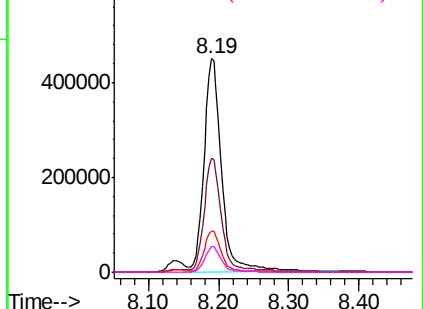
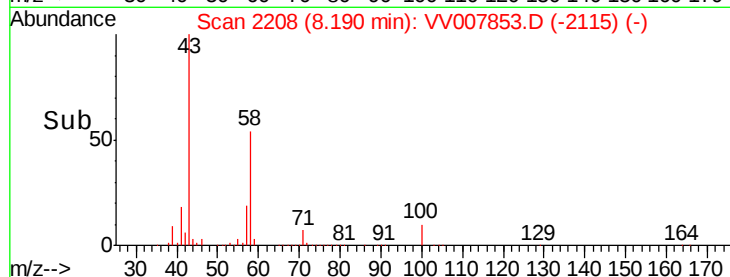
#48
2-Hexanone
Concen: 441.272 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV007853.D
Acq: 25 Sep 2018 13:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD20068

Tgt Ion:	43	Resp:	785250
Ion	Ratio	Lower	Upper
43	100		
58	51.4	41.1	61.7
57	18.8	14.3	21.5
100	11.1	9.9	14.9

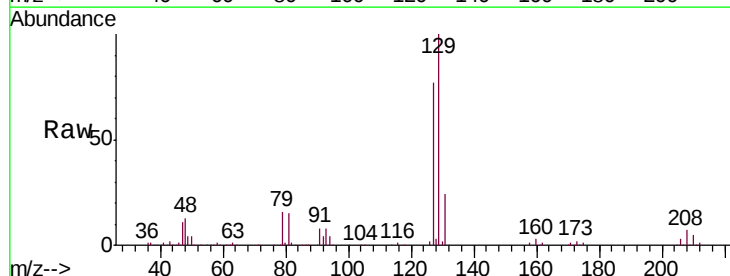


Abundance Ion 43.00 (42.70 to 43.70): VV007853.D (-2115) (-)
Ion 58.00 (57.70 to 58.70): VV007853.D (-2115) (-)
Ion 57.00 (56.70 to 57.70): VV007853.D (-2115) (-)
Ion 100.00 (99.70 to 100.70): VV007853.D (-2115) (-)

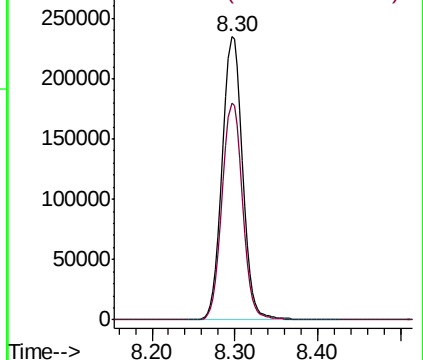
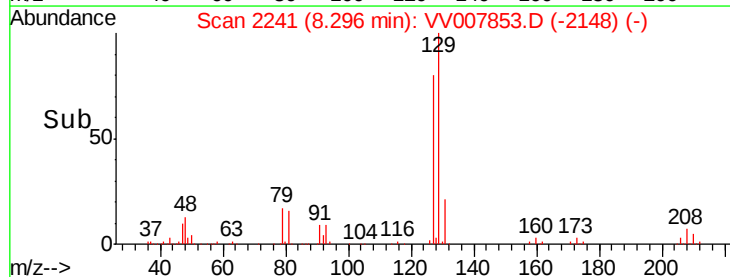


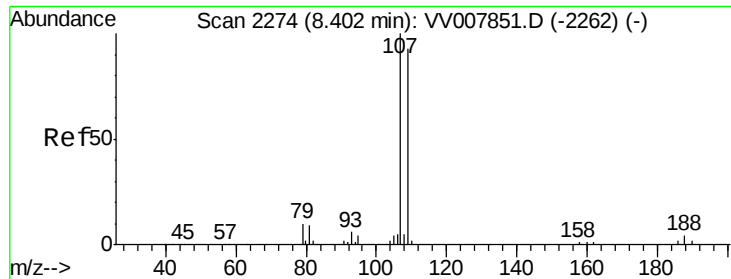
#49
Dibromochloromethane
Concen: 229.586 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007853.D
Acq: 25 Sep 2018 13:42

Tgt Ion:	129	Resp:	399695
Ion	Ratio	Lower	Upper
129	100		
127	76.6	55.5	103.1



Abundance Ion 129.00 (128.70 to 129.70): VV007853.D (-2148) (-)
Ion 127.00 (126.70 to 127.70): VV007853.D (-2148) (-)

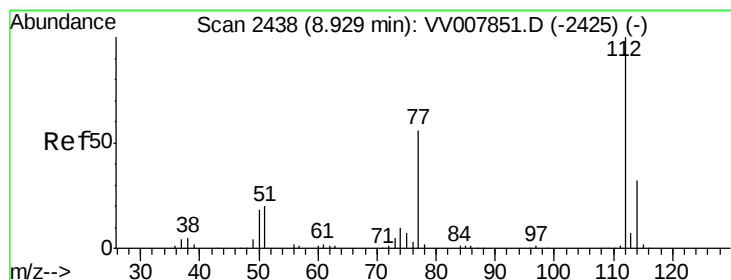
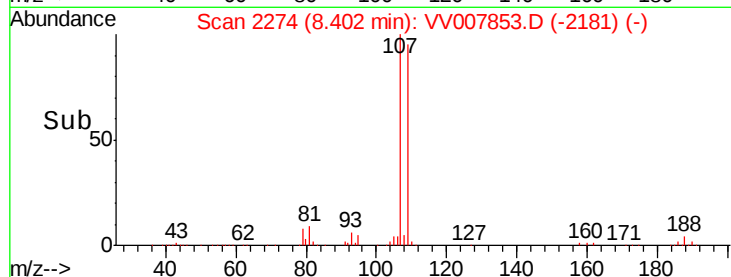
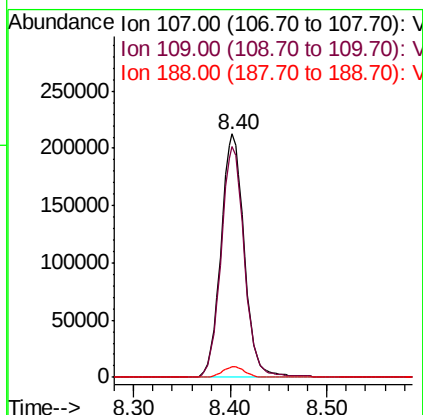
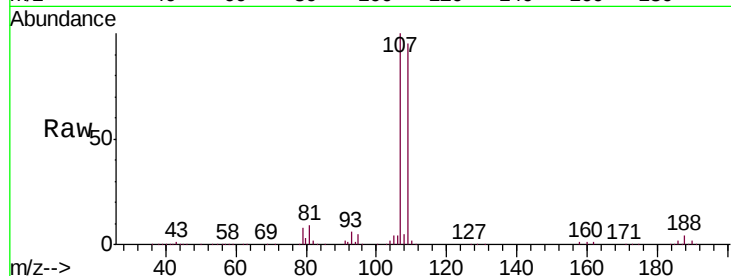




#50
 1,2-Dibromoethane
 Concen: 207.881 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VV007853.D
 Acq: 25 Sep 2018 13:42

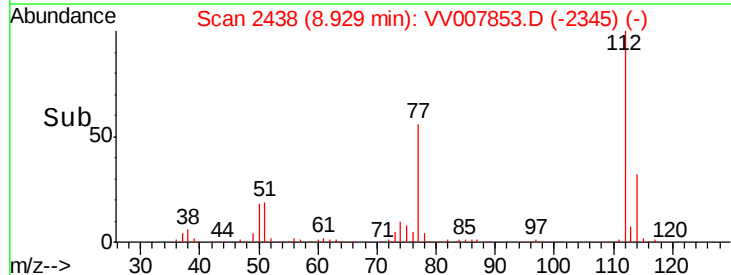
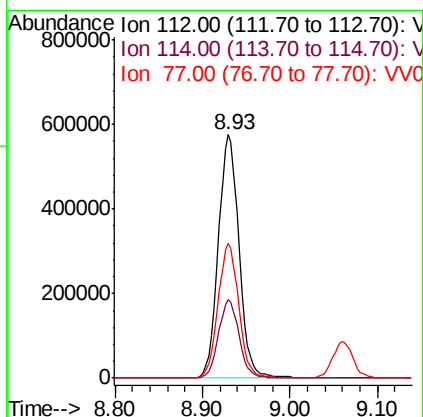
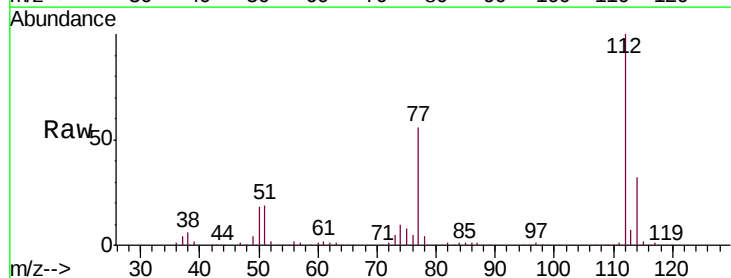
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20068

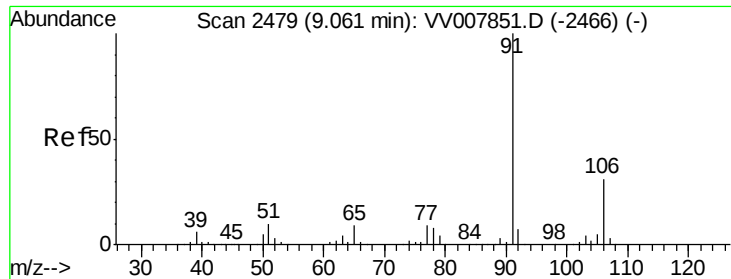
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.8	65.3	121.3
188	4.3	3.5	5.3



#51
 Chlorobenzene
 Concen: 202.879 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: VV007853.D
 Acq: 25 Sep 2018 13:42

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.3	41.5
77	55.6	45.2	67.8





#52

Ethylbenzene

Concen: 208.448 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Instrument :

MSVOA_V

ClientSampleId :

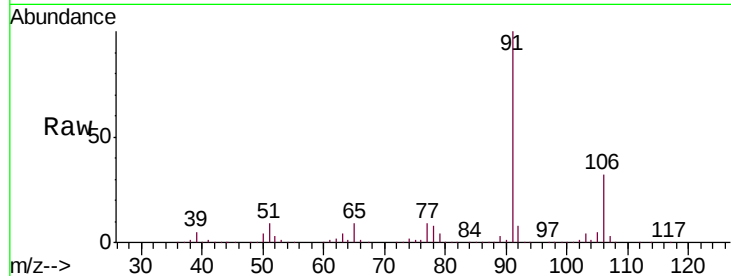
VSTD20068

Tgt Ion: 91 Resp: 1584920

Ion Ratio Lower Upper

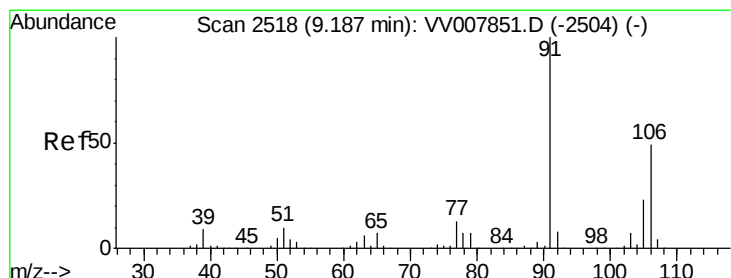
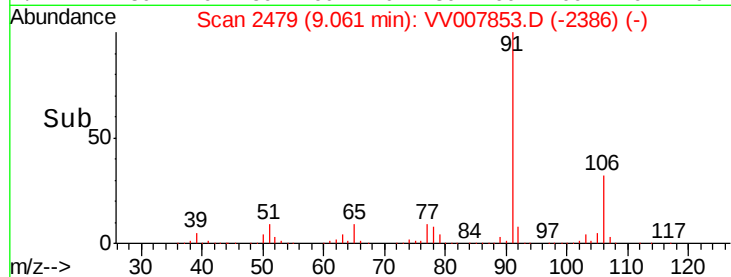
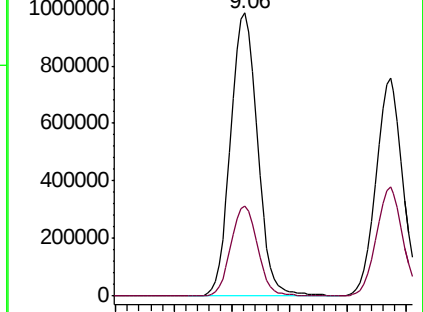
91 100

106 31.9 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV007853.D (-2466) (-)

Ion 106.00 (105.70 to 106.70): VV007853.D (-2466) (-)



#53

m,p-Xylene

Concen: 211.737 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VV007853.D

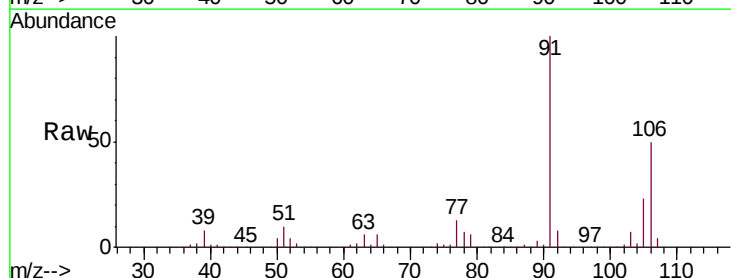
Acq: 25 Sep 2018 13:42

Tgt Ion: 106 Resp: 613372

Ion Ratio Lower Upper

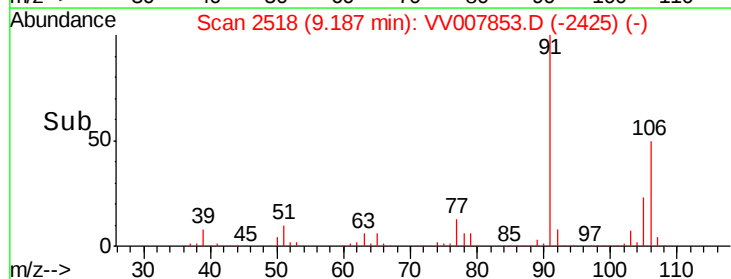
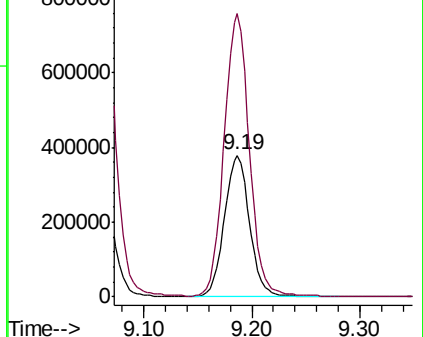
106 100

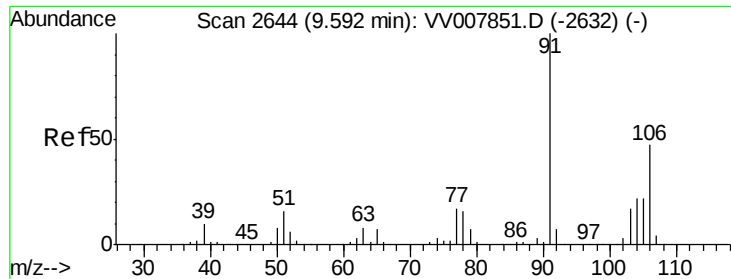
91 200.2 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV007853.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV007853.D (-2504) (-)

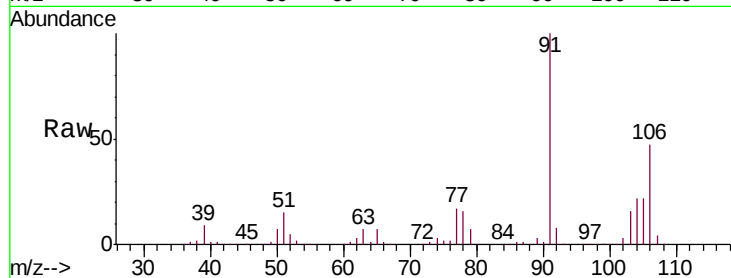




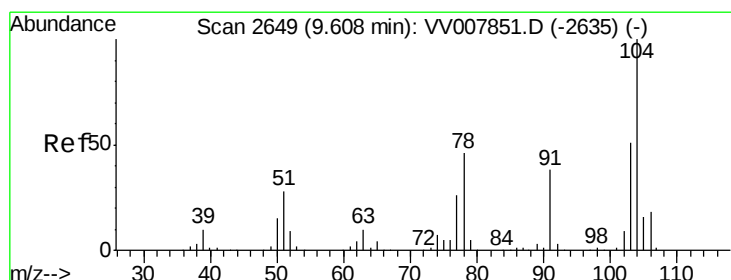
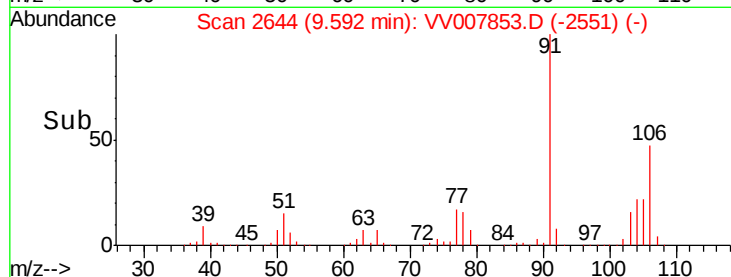
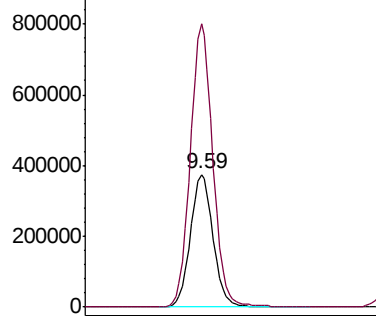
#54
o-xylene
Concen: 215.427 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV007853.D
Acq: 25 Sep 2018 13:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD20068

Tgt Ion:106 Resp: 606209
Ion Ratio Lower Upper
106 100
91 213.3 150.6 279.6

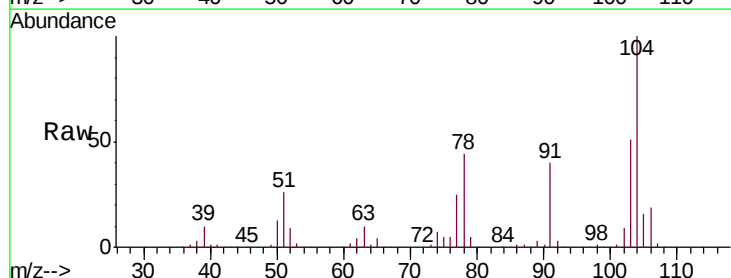


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

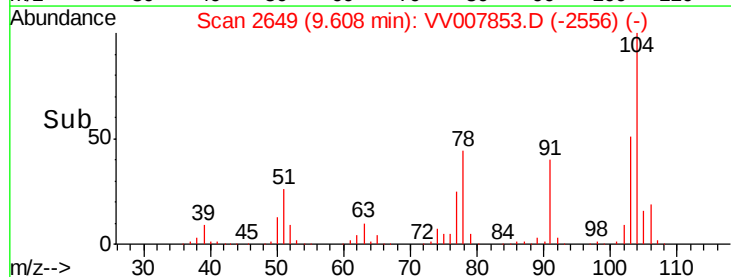
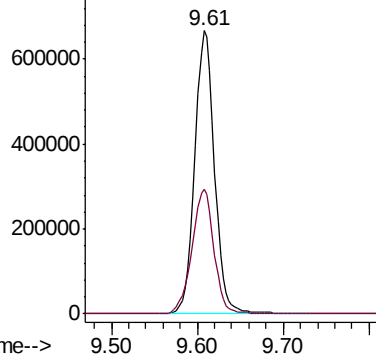


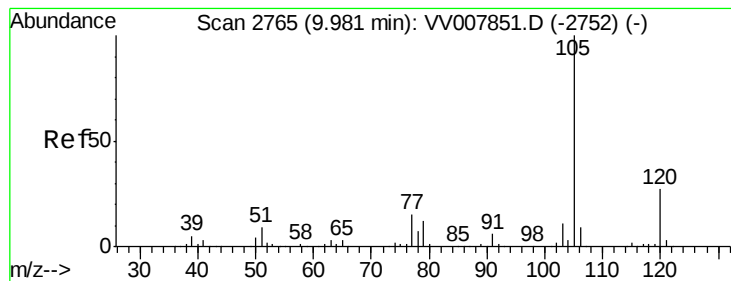
#55
Styrene
Concen: 221.503 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV007853.D
Acq: 25 Sep 2018 13:42

Tgt Ion:104 Resp: 1067622
Ion Ratio Lower Upper
104 100
78 44.2 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 213.440 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD20068

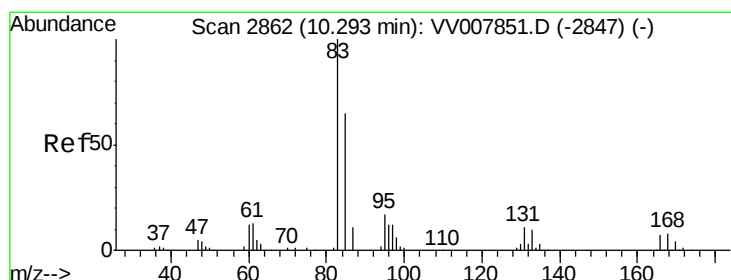
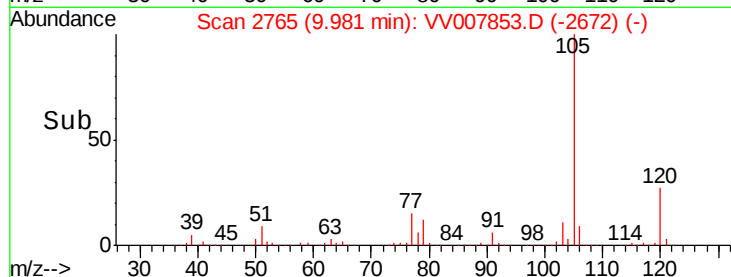
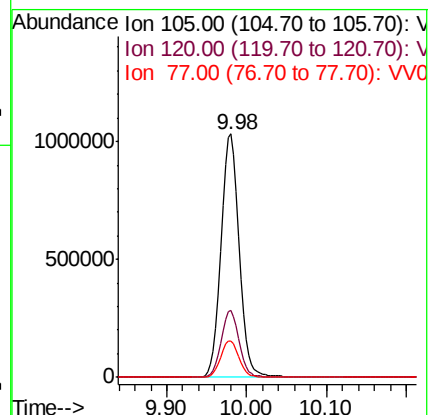
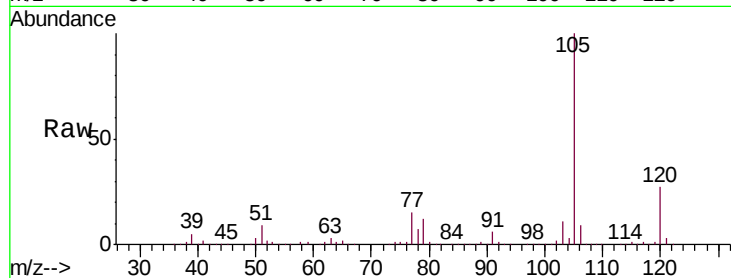
Tgt Ion:105 Resp: 1637070

Ion Ratio Lower Upper

105 100

120 27.3 21.0 31.6

77 15.2 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 208.222 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

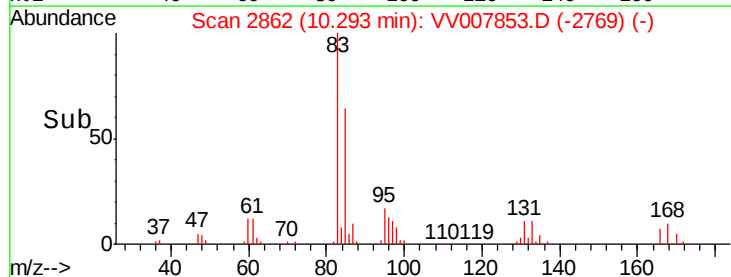
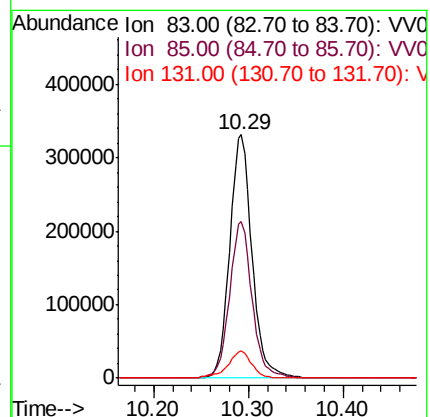
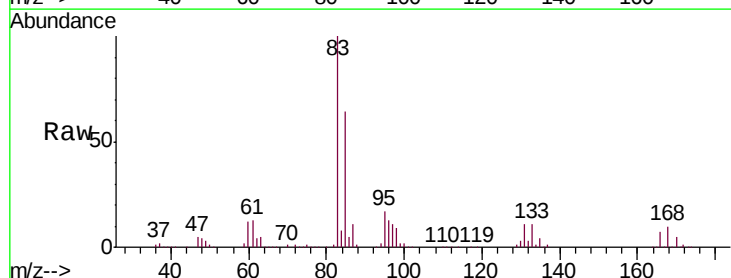
Tgt Ion: 83 Resp: 541794

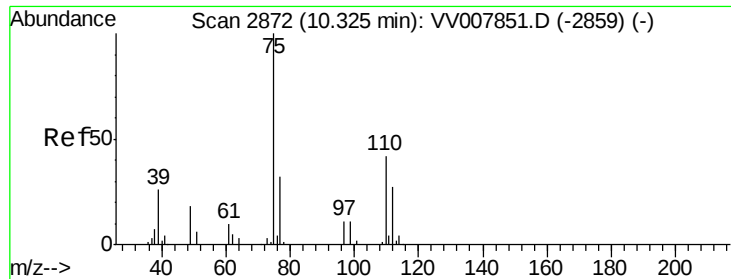
Ion Ratio Lower Upper

83 100

85 64.4 45.8 85.0

131 11.1 9.0 13.4





#59

1,2,3-Trichloropropane

Concen: 200.669 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Instrument :

MSVOA_V

ClientSampleId :

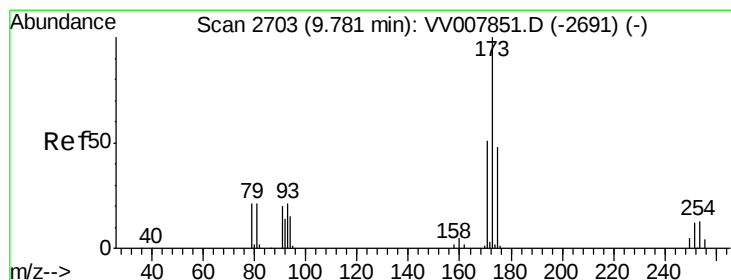
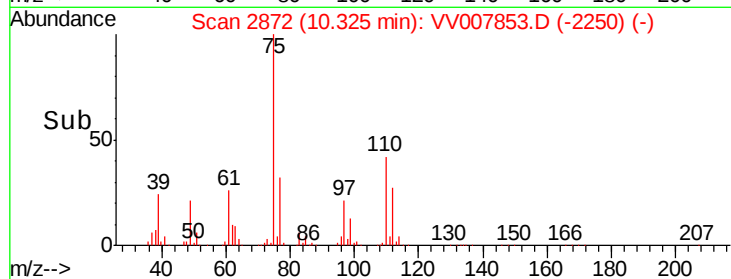
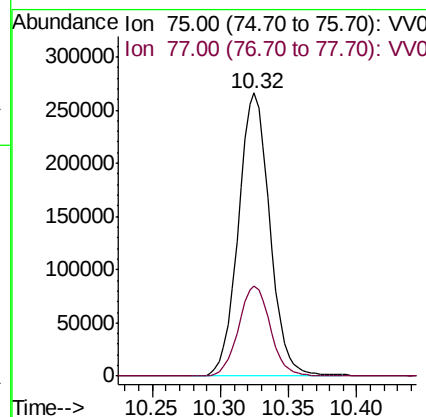
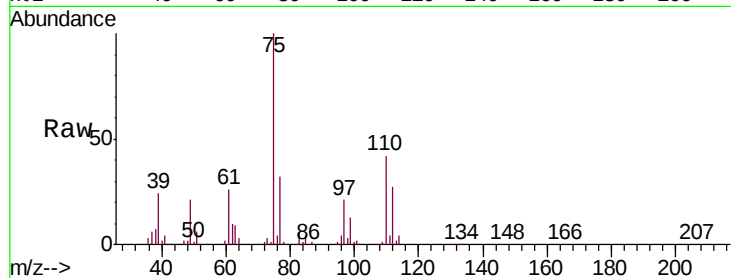
VSTD20068

Tgt Ion: 75 Resp: 425620

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6



#61

Bromoform

Concen: 229.637 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

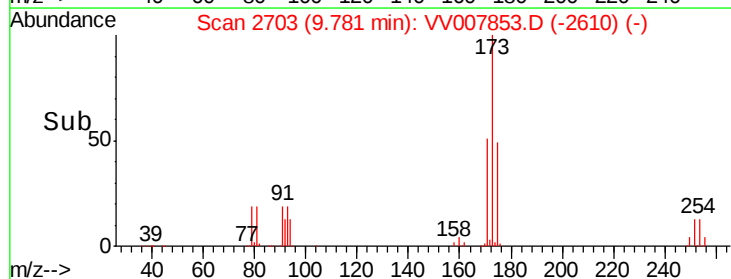
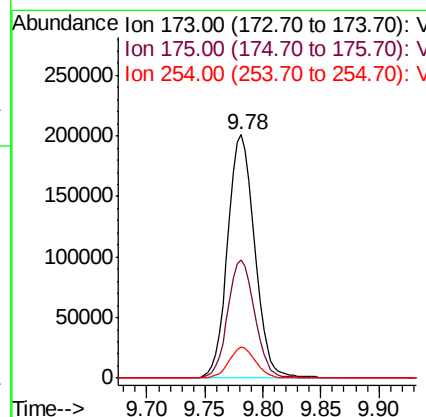
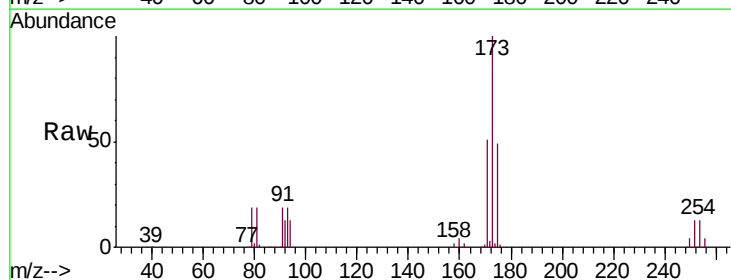
Tgt Ion: 173 Resp: 324162

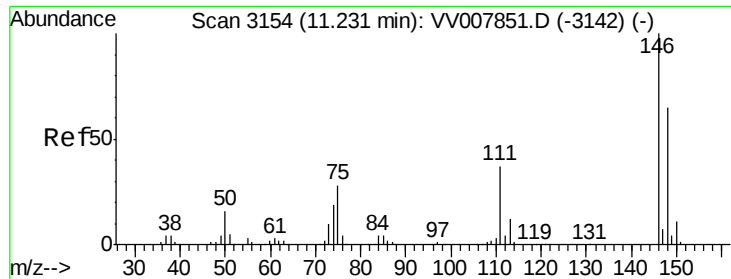
Ion Ratio Lower Upper

173 100

175 48.8 38.5 57.7

254 12.4 9.9 14.9





#62

1,3-Dichlorobenzene

Concen: 201.721 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD20068

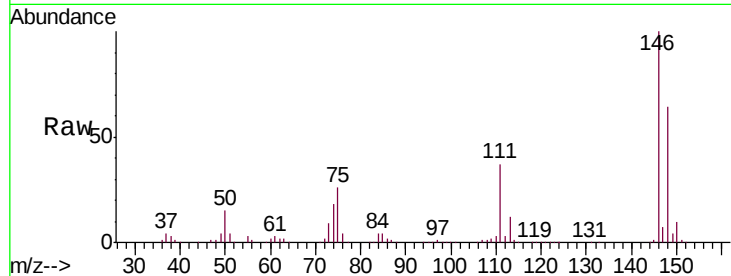
Tgt Ion:146 Resp: 844874

Ion Ratio Lower Upper

146 100

111 36.9 25.6 47.4

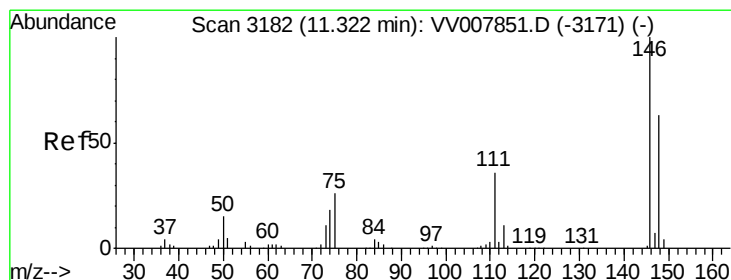
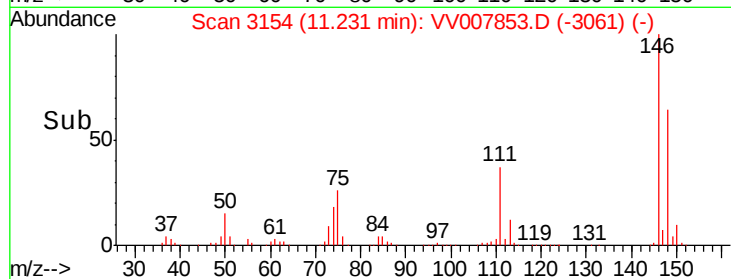
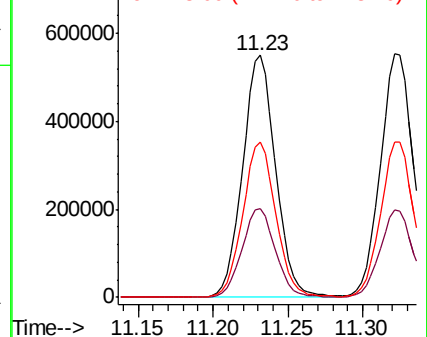
148 64.3 45.4 84.2



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



#63

1,4-Dichlorobenzene

Concen: 194.465 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

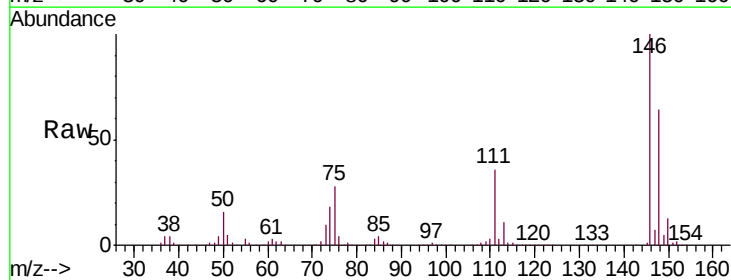
Tgt Ion:146 Resp: 865527

Ion Ratio Lower Upper

146 100

111 35.7 25.2 46.8

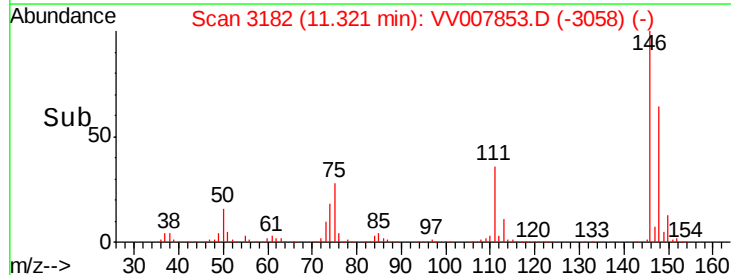
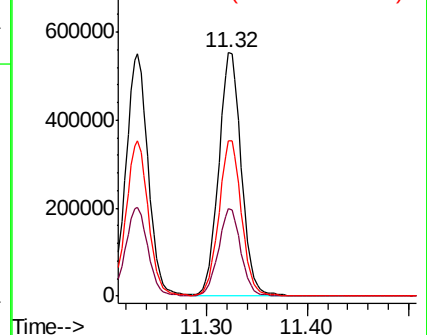
148 63.6 44.2 82.0

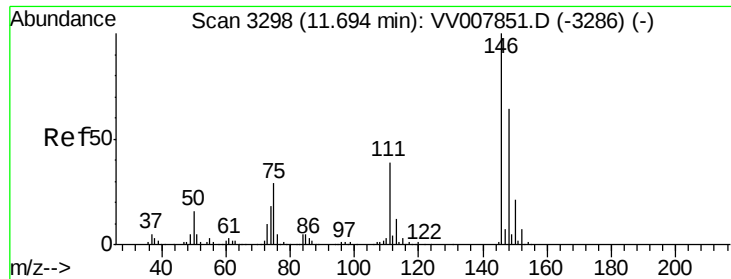


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 196.143 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD20068

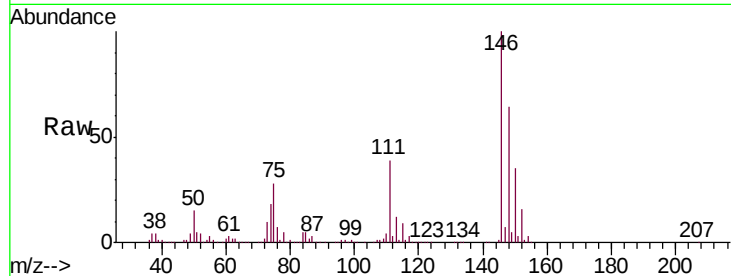
Tgt Ion:146 Resp: 852504

Ion Ratio Lower Upper

146 100

111 38.5 31.2 46.8

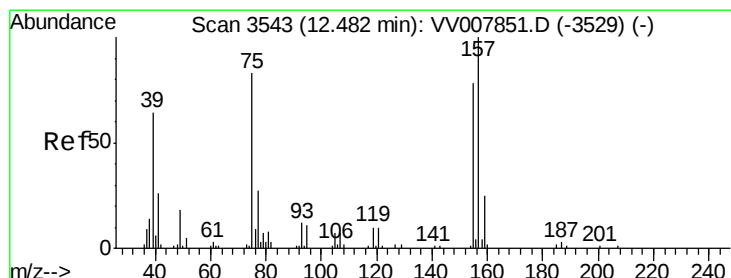
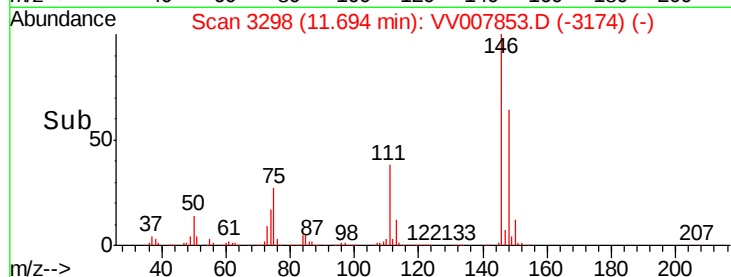
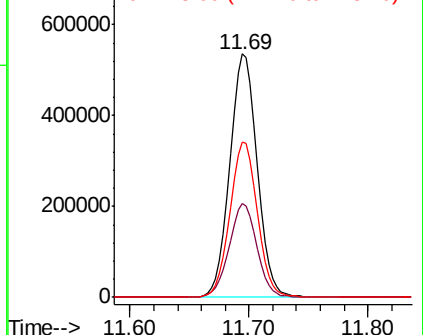
148 63.9 51.5 77.3



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: 217.753 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

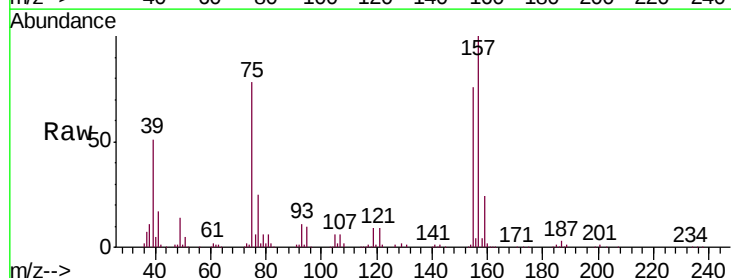
Tgt Ion: 75 Resp: 123830

Ion Ratio Lower Upper

75 100

155 97.6 75.6 113.4

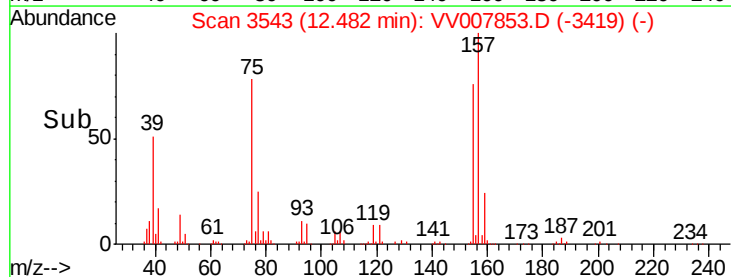
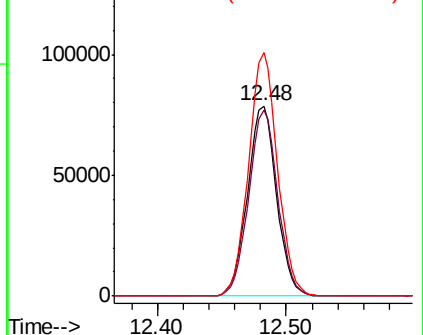
157 128.0 96.5 144.7

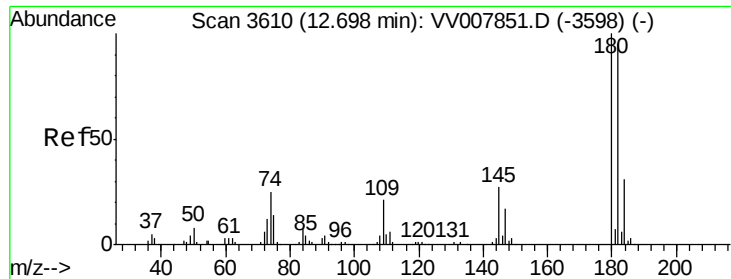


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

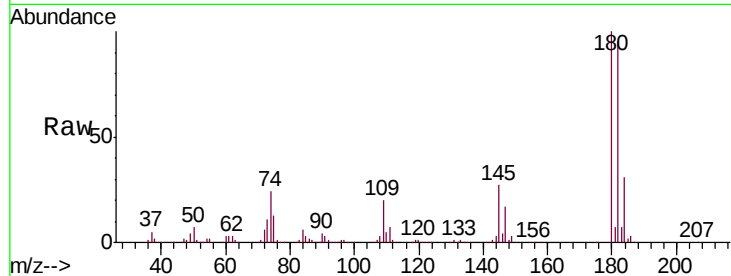




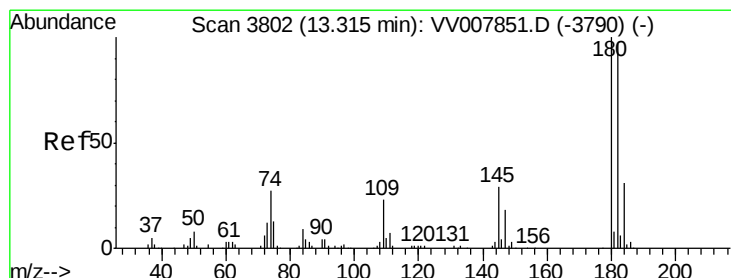
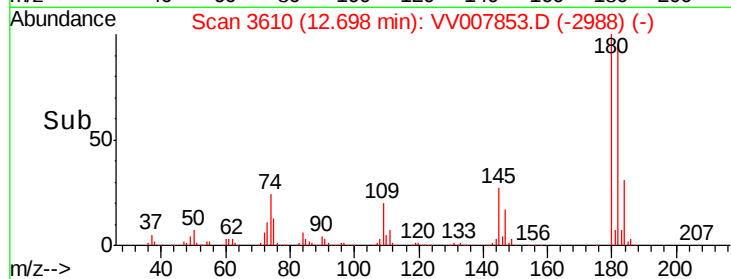
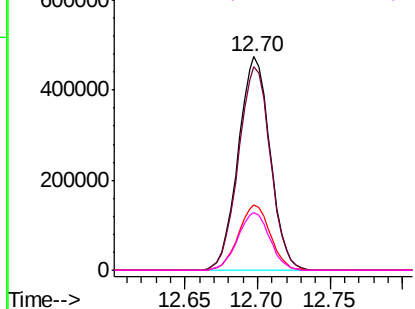
#67
 1,3,5-Trichlorobenzene
 Concen: 205.177 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007853.D
 Acq: 25 Sep 2018 13:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20068

Tgt Ion:	180	Resp:	724484
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.8	115.2
184	30.5	24.6	36.8
145	27.1	21.7	32.5

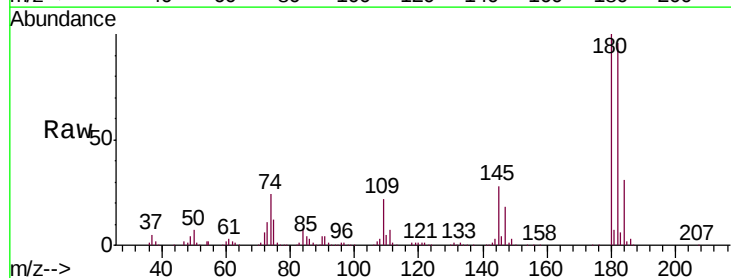


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

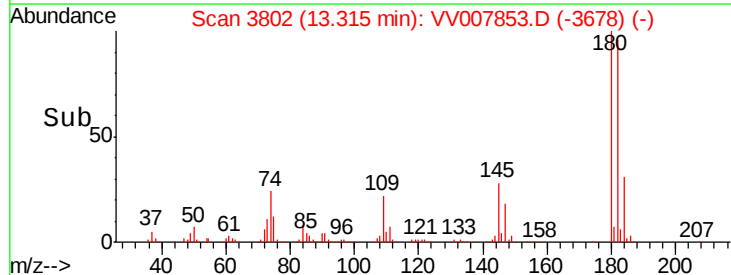
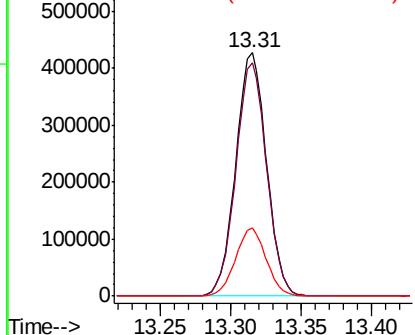


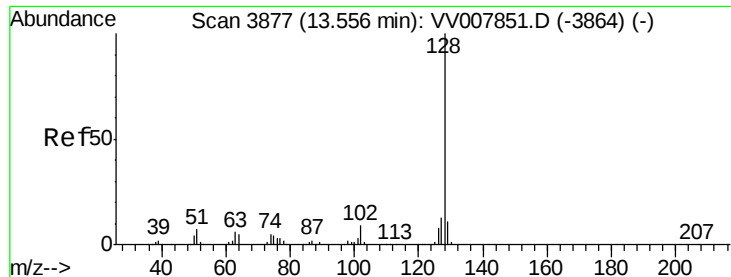
#68
 1,2,4-trichlorobenzene
 Concen: 219.485 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007853.D
 Acq: 25 Sep 2018 13:42

Tgt Ion:	180	Resp:	653891
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	27.9	22.7	34.1



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





#69

Naphthalene

Concen: 240.933 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD20068

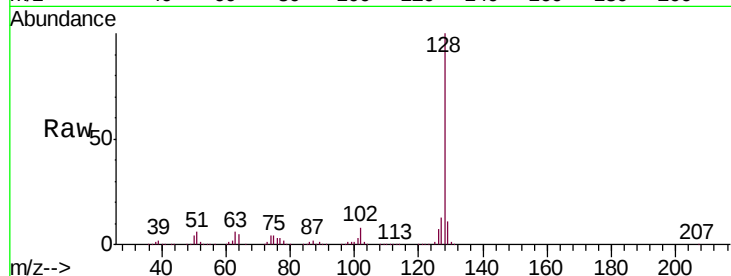
Tgt Ion:128 Resp: 1755883

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

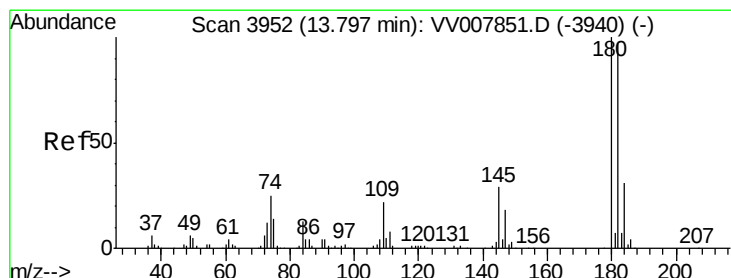
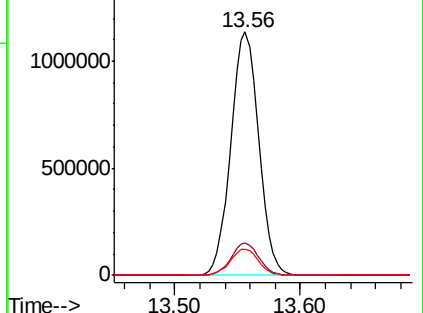
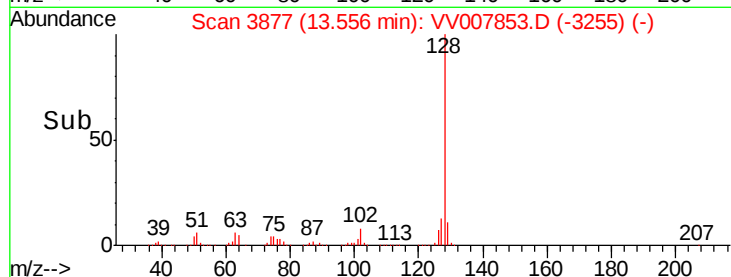
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 213.707 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV007853.D

Acq: 25 Sep 2018 13:42

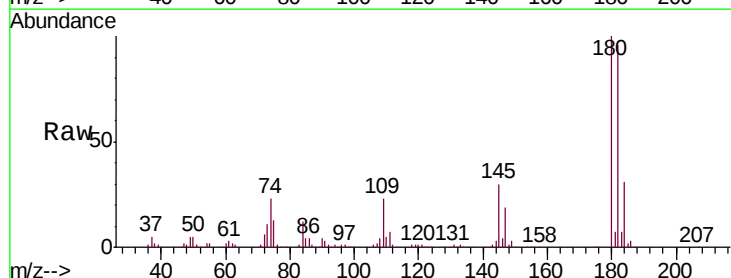
Tgt Ion:180 Resp: 644647

Ion Ratio Lower Upper

180 100

182 96.3 76.7 115.1

145 29.5 23.6 35.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

