

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082118\
 Data File : VV007104.D
 Acq On : 21 Aug 2018 16:34
 Operator : SY/MD
 Sample : VSTD02073
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02073

Quant Time: Aug 22 02:24:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 22 02:22:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	325272	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	313260	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	157197	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	427857	19.85	ug/L	0.00
7) Chloroethane-d5	1.58	69	329936	18.08	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	757426	18.88	ug/L	0.00
20) 2-Butanone-d5	3.96	46	1161042	193.97	ug/L	0.00
24) Chloroform-d	4.40	84	868704	19.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	422825	19.23	ug/L	0.00
32) Benzene-d6	5.10	84	1819003	21.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	570977	20.41	ug/L	0.00
41) Toluene-d8	7.36	98	1687112	23.58	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	212927	21.72	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	875715	231.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	412506	18.99	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	576331	20.45	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	490333	15.864 ug/L	98
3) Chloromethane	1.25	50	529997	17.317 ug/L	100
5) Vinyl chloride	1.32	62	507086	16.393 ug/L	97
6) Bromomethane	1.53	94	159479	21.553 ug/L	100
8) Chloroethane	1.60	64	291599	15.487 ug/L	100
9) Trichlorofluoromethane	1.77	101	675919	17.002 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	418947	17.398 ug/L	99
12) 1,1-Dichloroethene	2.14	96	390164	16.863 ug/L	97
13) Acetone	2.21	43	565681	182.821 ug/L	91
14) Carbon disulfide	2.32	76	1141149	15.250 ug/L	100
15) Methyl Acetate	2.47	43	152035	17.577 ug/L	93
16) Methylene chloride	2.54	84	413958	14.812 ug/L	99
17) Methyl tert-butyl Ether	2.82	73	957850	17.189 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	424278	17.076 ug/L	99
19) 1,1-Dichloroethane	3.23	63	847165	18.415 ug/L	99
21) 2-Butanone	4.05	43	1232505	179.716 ug/L	91
22) cis-1,2-Dichloroethene	3.97	96	513279	18.182 ug/L	99
23) Bromochloromethane	4.30	128	215894	18.454 ug/L	95
25) Chloroform	4.43	83	876673	17.718 ug/L	100
27) 1,2-Dichloroethane	5.19	62	520820	17.061 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	737480	17.770 ug/L	100
30) Cyclohexane	4.73	56	777278	18.396 ug/L	99
31) Carbon tetrachloride	4.88	117	636920	18.303 ug/L	98
33) Benzene	5.15	78	2005085	18.636 ug/L	100
34) Trichloroethene	5.96	95	474006	18.370 ug/L	97
35) Methylcyclohexane	6.18	83	833026	20.318 ug/L	97
37) 1,2-Dichloropropane	6.23	63	524934	17.813 ug/L	99
38) Bromodichloromethane	6.56	83	609007	18.109 ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	709492	19.919 ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	2857262	182.023 ug/L	97

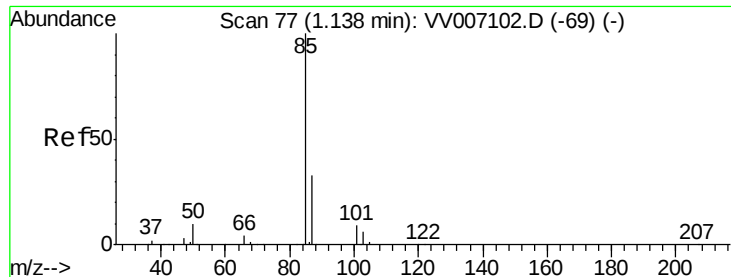
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082118\
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 QLast Update : Wed Aug 22 02:22:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	2054151	19.835	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	576813	19.724	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	347989	17.986	ug/L	97
47) Tetrachloroethene	8.02	164	396485	18.712	ug/L	98
48) 2-Hexanone	8.20	43	2085039	185.880	ug/L	99
49) Dibromochloromethane	8.30	129	398015	19.513	ug/L	100
50) 1,2-Dibromoethane	8.40	107	302566	18.538	ug/L	99
51) Chlorobenzene	8.93	112	1280457	19.261	ug/L	99
52) Ethylbenzene	9.06	91	2180258	21.136	ug/L	99
53) m,p-xylene	9.19	106	838153	21.657	ug/L	99
54) o-xylene	9.59	106	804499	21.944	ug/L	97
55) Styrene	9.61	104	1429125	23.078	ug/L	97
56) Isopropylbenzene	9.98	105	2117477	22.089	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	416650	17.844	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	297317	17.987	ug/L	99
61) Bromoform	9.78	173	219876	18.267	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	942546	18.516	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	988137	18.942	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	946247	18.761	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	54601	15.722	ug/L	88
67) 1,3,5-Trichlorobenzene	12.70	180	751577	19.633	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	584829	21.036	ug/L	98
69) Naphthalene	13.56	128	842642	21.289	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	563610	20.870	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 15.864 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampleId :

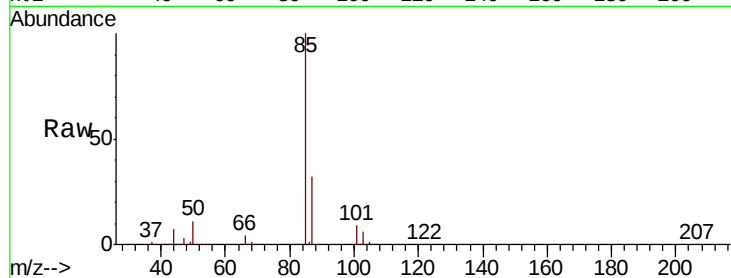
VSTD02073

Tgt Ion: 85 Resp: 490333

Ion Ratio Lower Upper

85 100

87 32.4 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VV007104.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV007104.D (-69) (-)

1.14

500000

400000

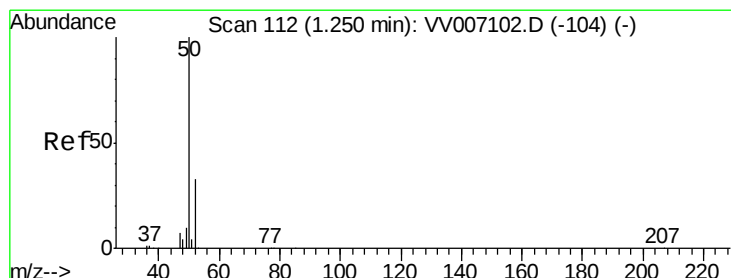
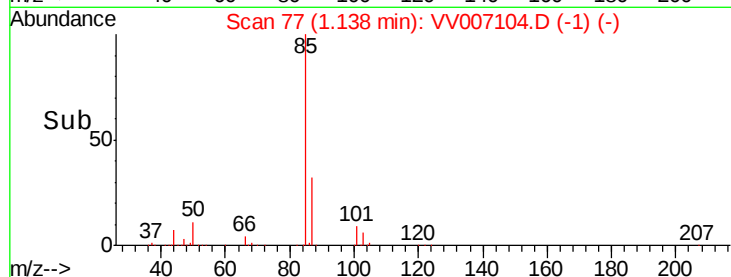
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 17.317 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV007104.D

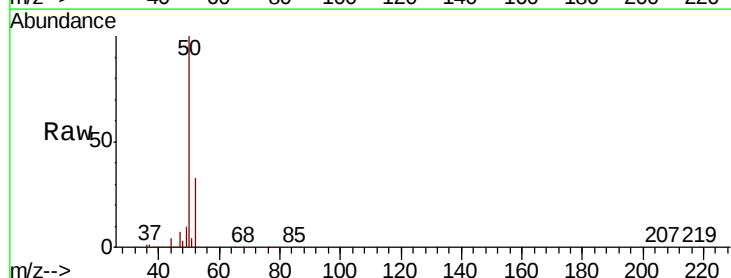
Acq: 21 Aug 2018 16:34

Tgt Ion: 50 Resp: 529997

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VV007104.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV007104.D (-104) (-)

1.25

500000

400000

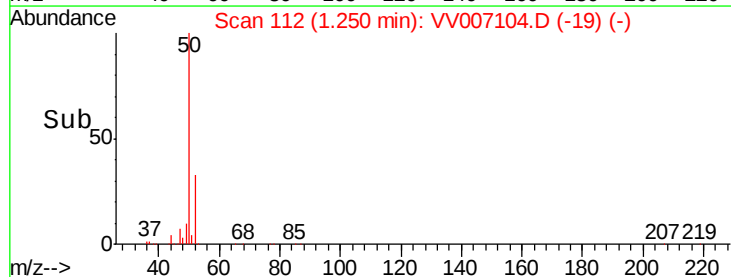
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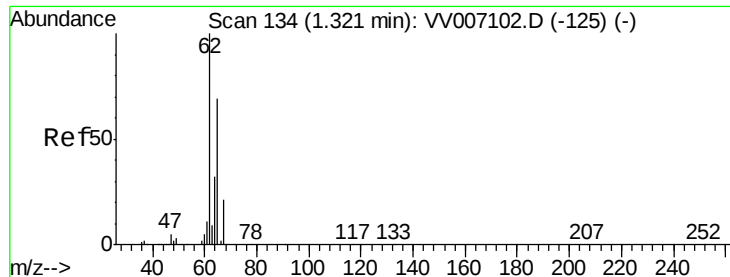
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 16.393 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampleId :

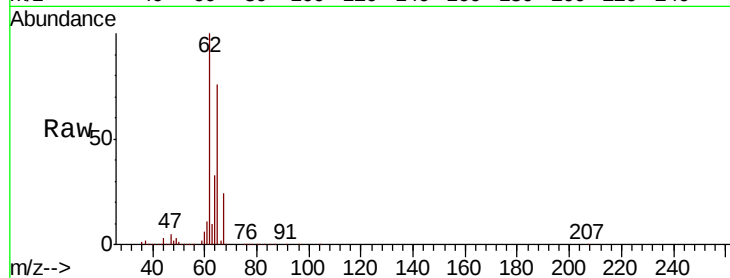
VSTD02073

Tgt Ion: 62 Resp: 507086

Ion Ratio Lower Upper

62 100

64 32.9 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VV007102.D (-125) (-)

Ion 64.10 (63.80 to 64.80): VV007102.D (-125) (-)

1.32

500000

400000

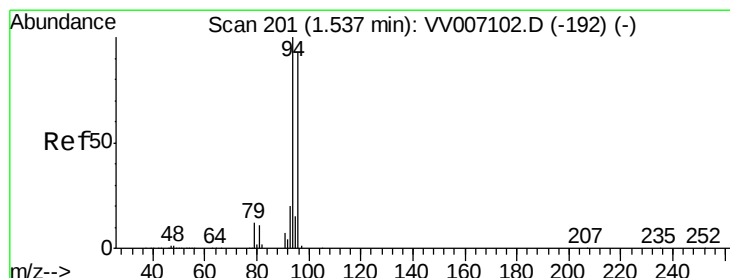
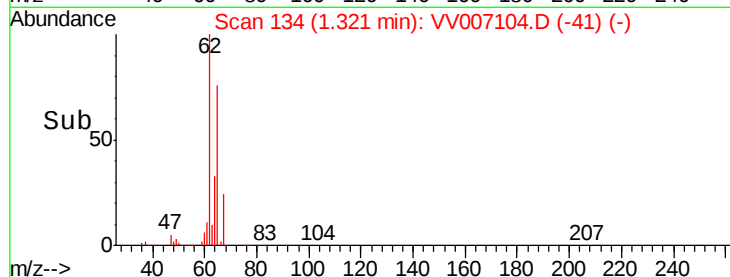
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 21.553 ug/L

RT: 1.53 min Scan# 200

Delta R.T. -0.00 min

Lab File: VV007104.D

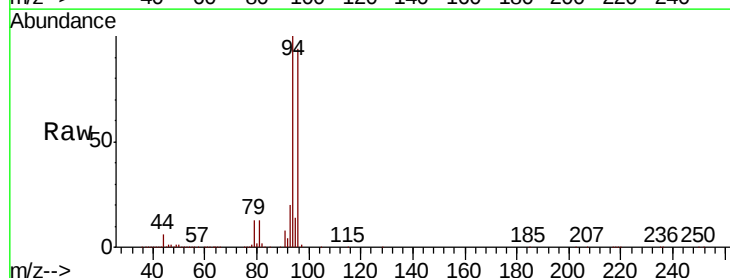
Acq: 21 Aug 2018 16:34

Tgt Ion: 94 Resp: 159479

Ion Ratio Lower Upper

94 100

96 93.7 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VV007102.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV007102.D (-192) (-)

1.53

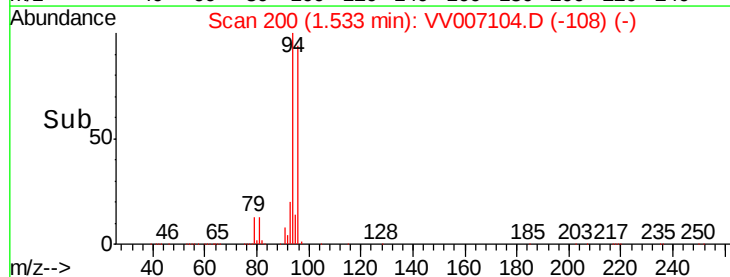
150000

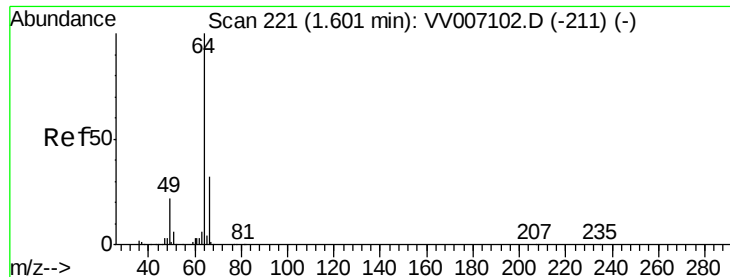
100000

50000

0

Time-->





#8

Chloroethane

Concen: 15.487 ug/L

RT: 1.60 min Scan# 220

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampled :

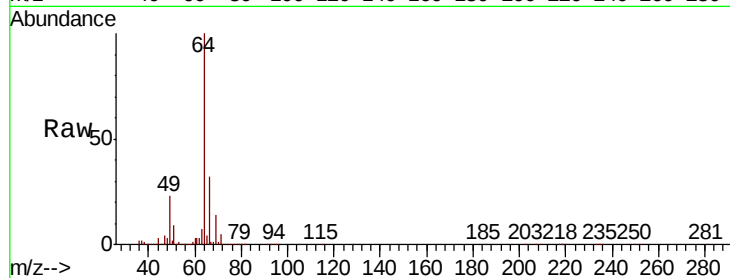
VSTD02073

Tgt Ion: 64 Resp: 291599

Ion Ratio Lower Upper

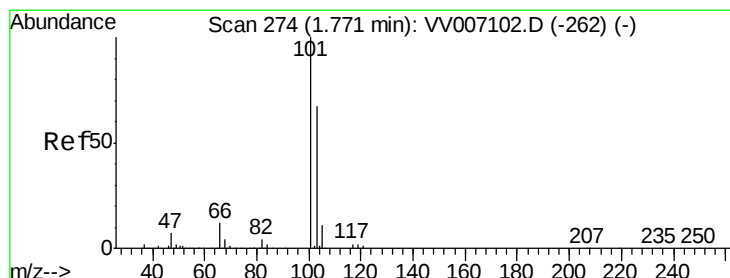
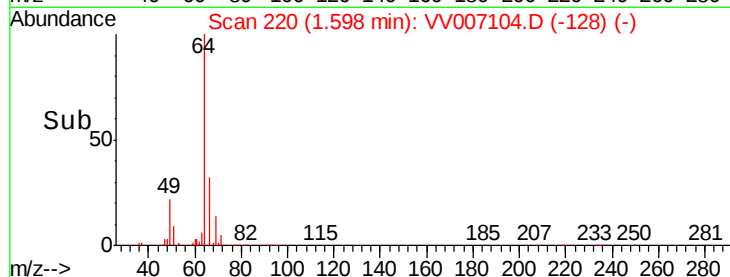
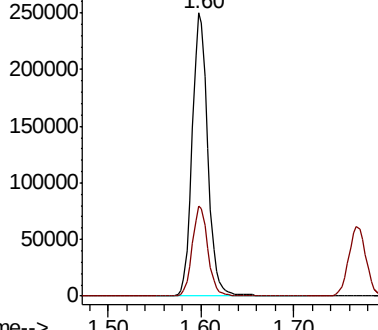
64 100

66 31.8 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VV007102.D (-211) (-)

Ion 66.05 (65.75 to 66.75): VV007102.D (-211) (-)



#9

Trichlorofluoromethane

Concen: 17.002 ug/L

RT: 1.77 min Scan# 273

Delta R.T. -0.00 min

Lab File: VV007104.D

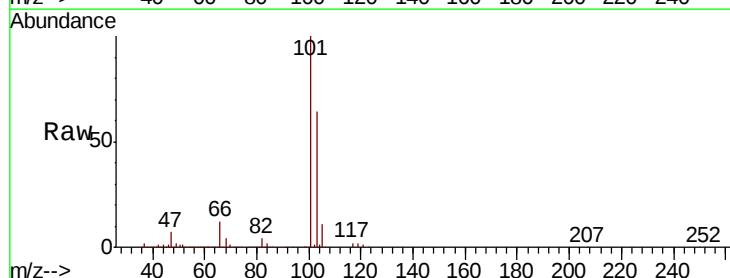
Acq: 21 Aug 2018 16:34

Tgt Ion: 101 Resp: 675919

Ion Ratio Lower Upper

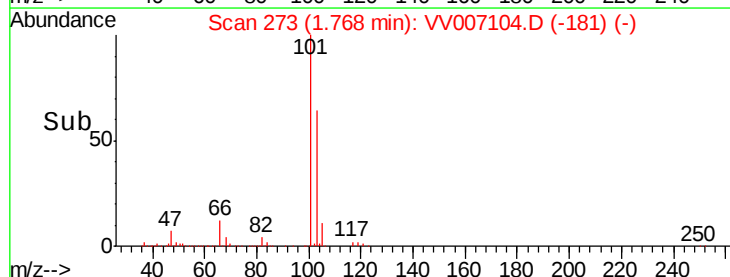
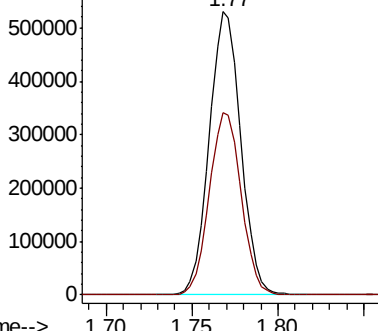
101 100

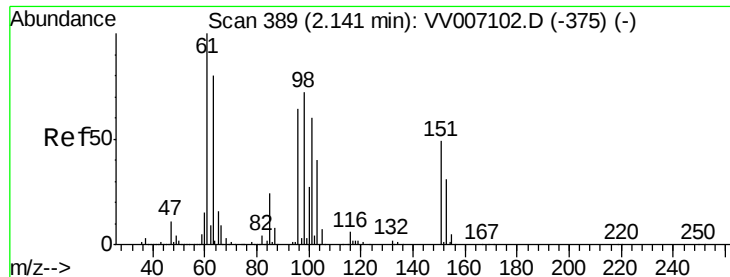
103 65.5 53.0 79.4



Abundance Ion 101.00 (100.70 to 101.70): VV007102.D (-262) (-)

Ion 103.00 (102.70 to 103.70): VV007102.D (-262) (-)





#10

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

Concen: 17.398 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02073

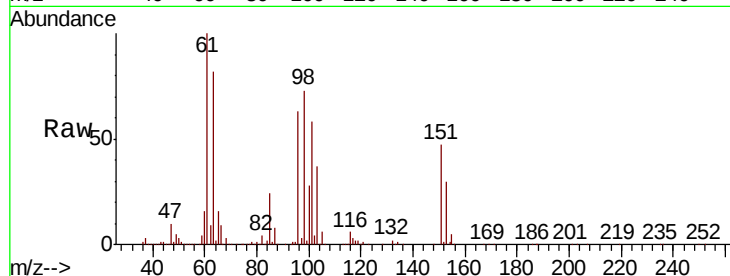
Tgt Ion:101 Resp: 418947

Ion Ratio Lower Upper

101 100

85 41.1 31.9 47.9

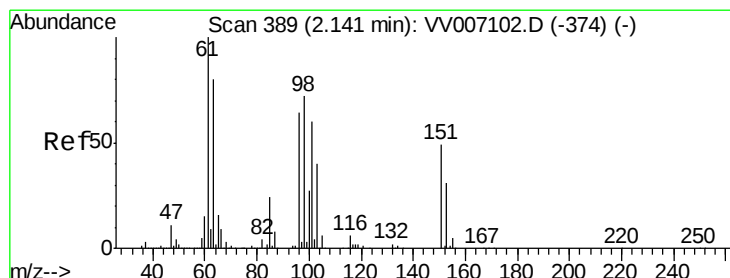
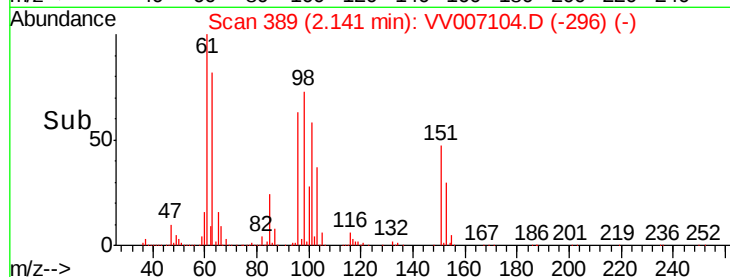
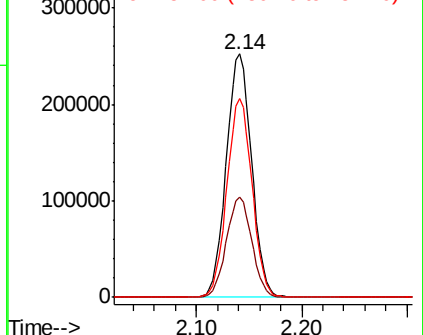
151 81.1 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 16.863 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

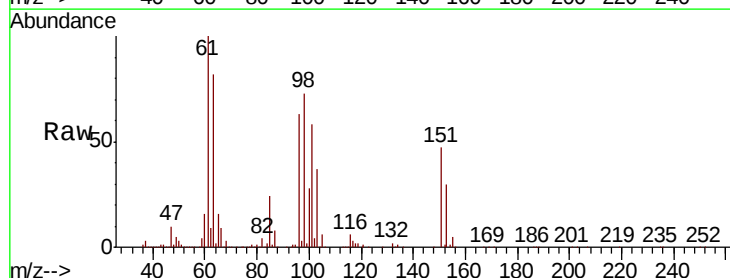
Tgt Ion: 96 Resp: 390164

Ion Ratio Lower Upper

96 100

61 158.5 108.7 201.9

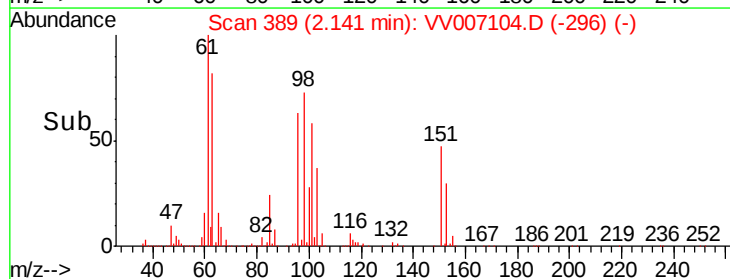
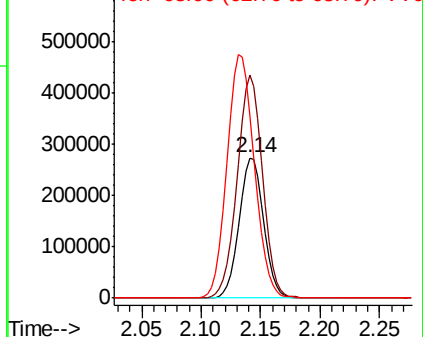
63 129.7 87.4 162.4

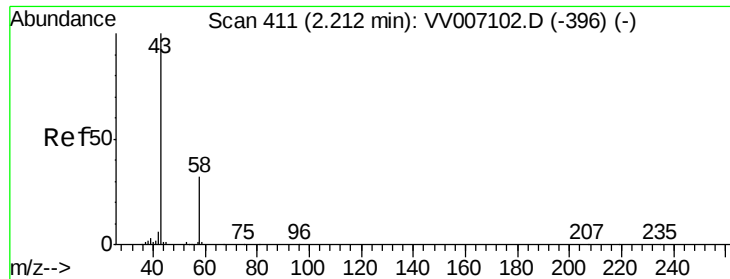


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 182.821 ug/L

RT: 2.21 min Scan# 409

Delta R.T. -0.01 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampleId :

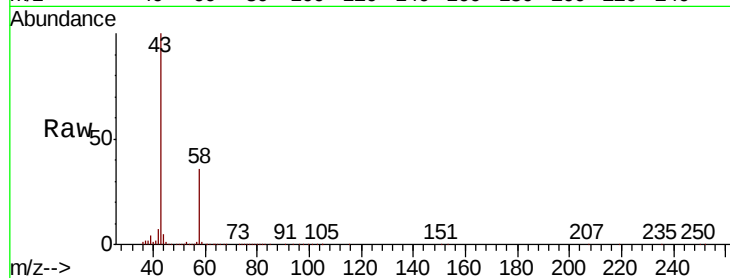
VSTD02073

Tgt Ion: 43 Resp: 565681

Ion Ratio Lower Upper

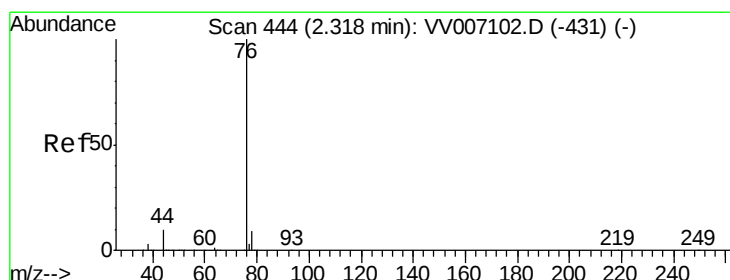
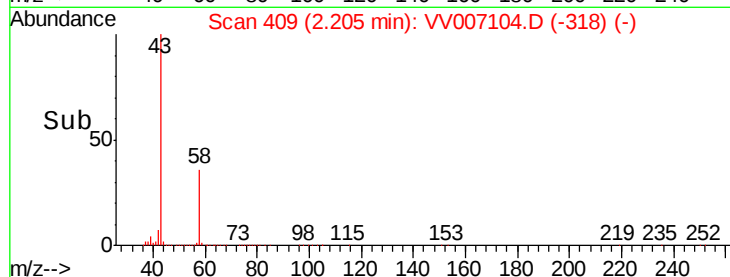
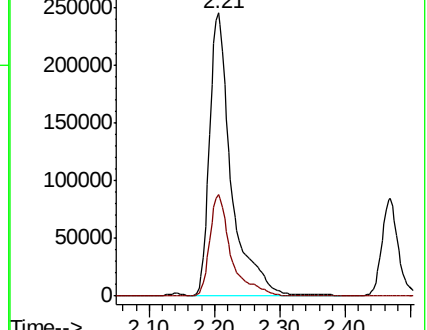
43 100

58 35.4 0.0 82.2



Abundance Ion 43.05 (42.75 to 43.75): VV007102.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007102.D (-396) (-)



#14

Carbon disulfide

Concen: 15.250 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV007104.D

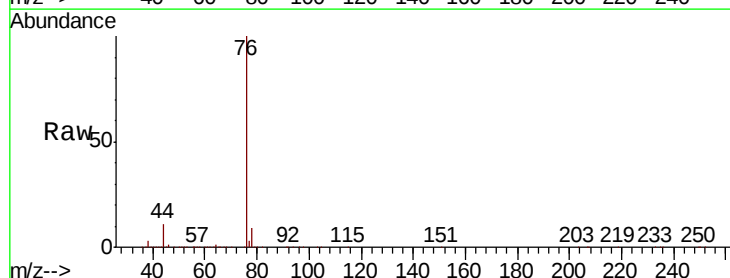
Acq: 21 Aug 2018 16:34

Tgt Ion: 76 Resp: 1141149

Ion Ratio Lower Upper

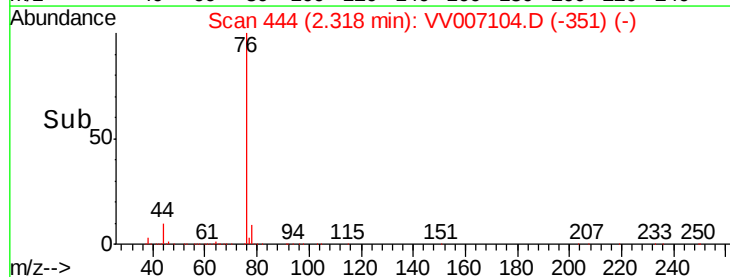
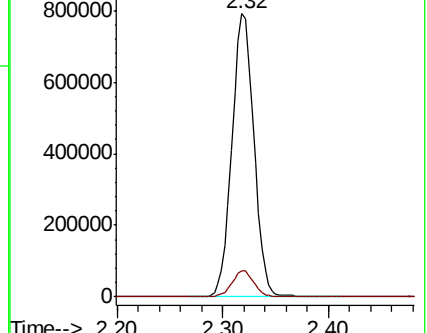
76 100

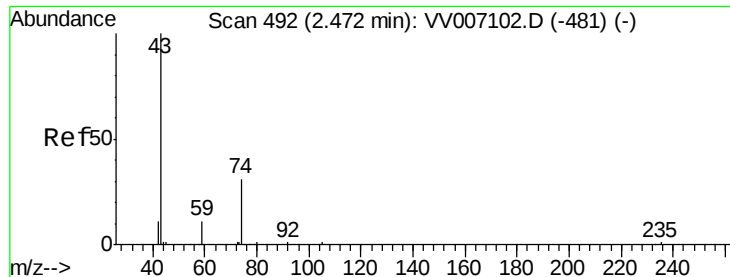
78 9.1 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV007102.D (-431) (-)

Ion 78.00 (77.70 to 78.70): VV007102.D (-431) (-)

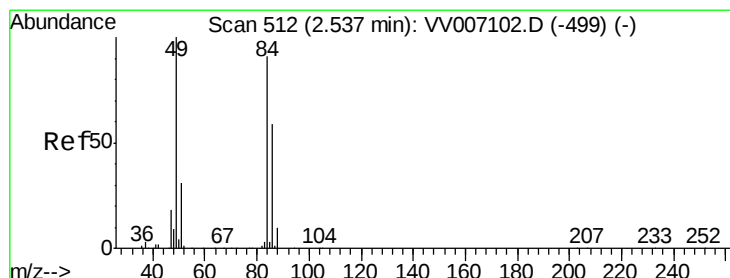
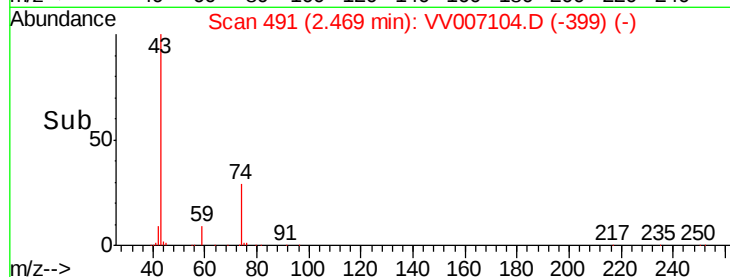
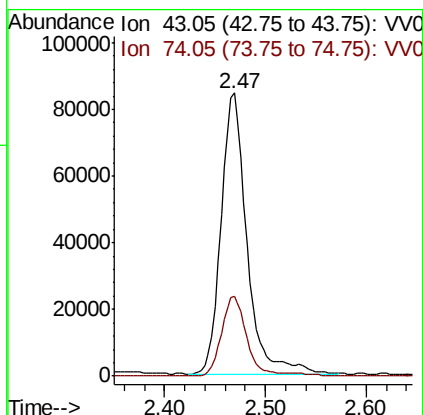
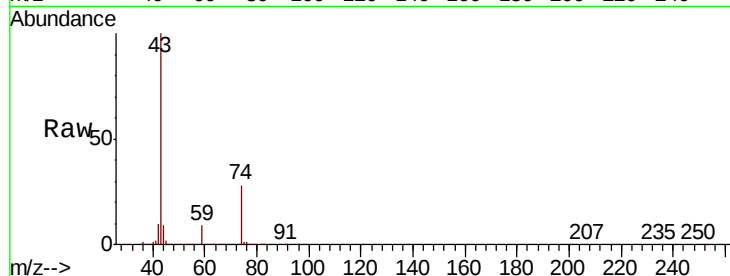




#15
Methyl Acetate
Concen: 17.577 ug/L
RT: 2.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VV007104.D
Acq: 21 Aug 2018 16:34

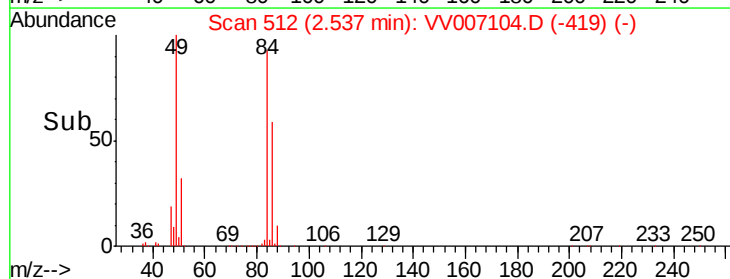
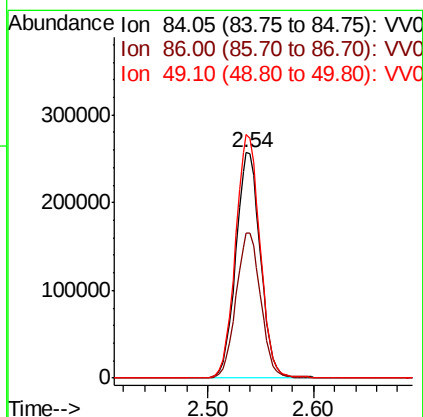
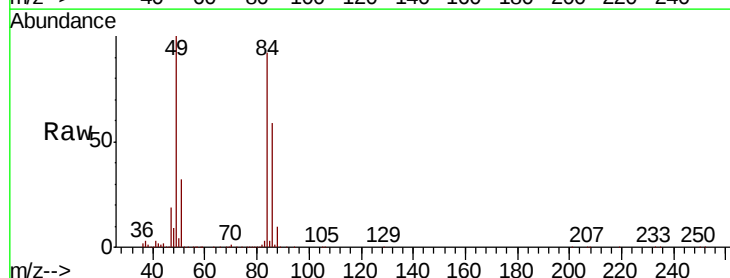
Instrument :
MSVOA_V
ClientSampleId :
VSTD02073

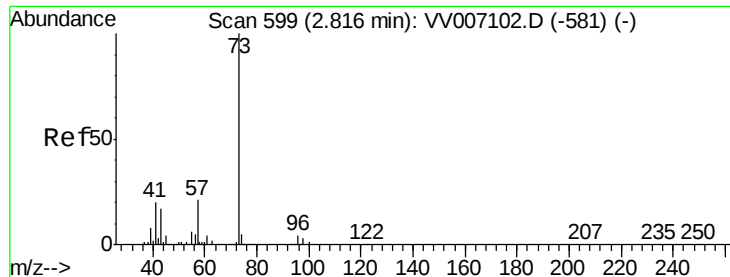
Tgt Ion: 43 Resp: 152035
Ion Ratio Lower Upper
43 100
74 27.4 25.0 37.6



#16
Methylene chloride
Concen: 14.812 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV007104.D
Acq: 21 Aug 2018 16:34

Tgt Ion: 84 Resp: 413958
Ion Ratio Lower Upper
84 100
86 64.2 44.9 83.5
49 108.2 76.6 142.3

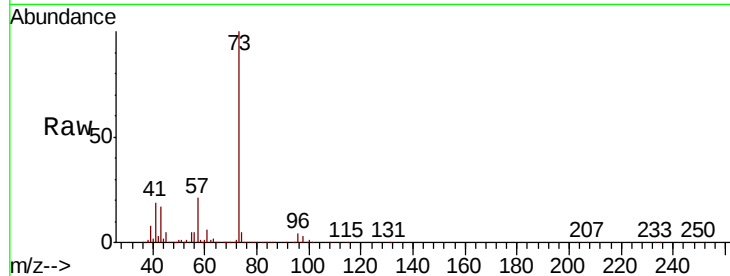




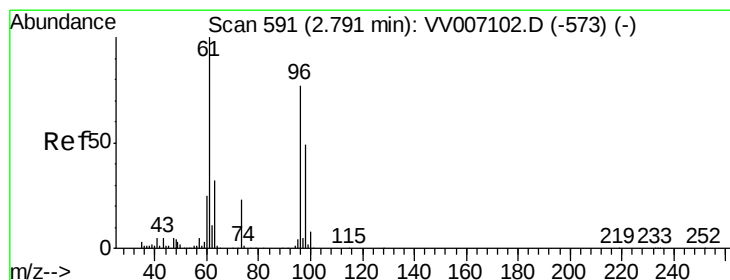
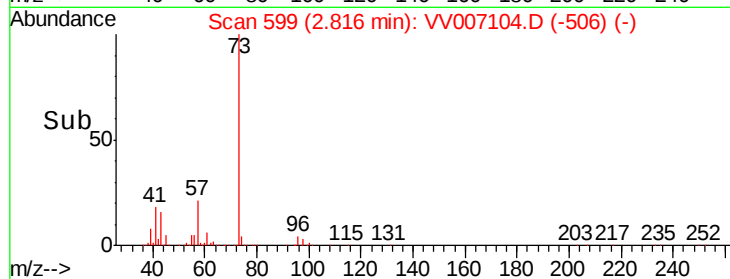
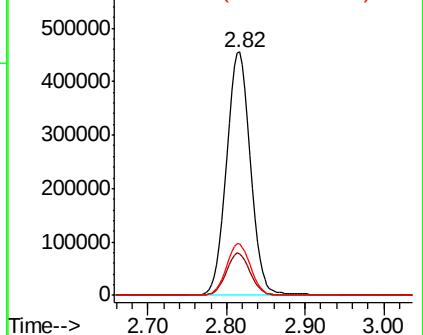
#17
Methyl tert-butyl Ether
Concen: 17.189 ug/L
RT: 2.82 min Scan# 599
Delta R.T. -0.00 min
Lab File: VV007104.D
Acq: 21 Aug 2018 16:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD02073

Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.2	14.0	21.0
57	21.3	17.0	25.6

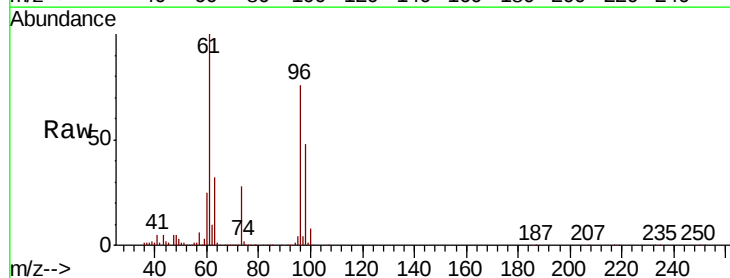


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

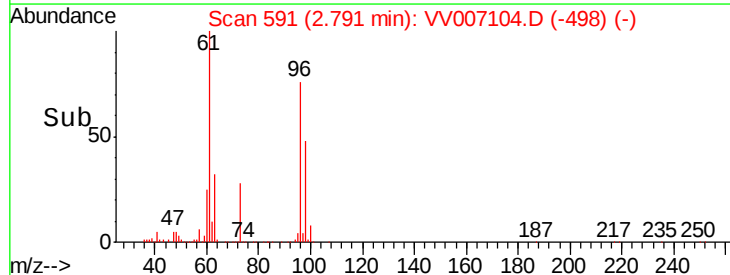
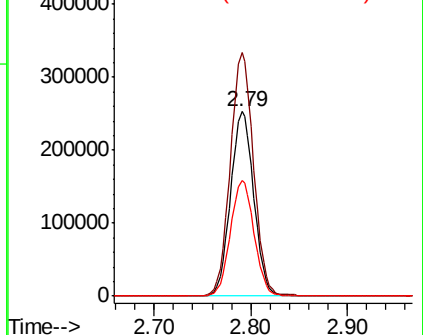


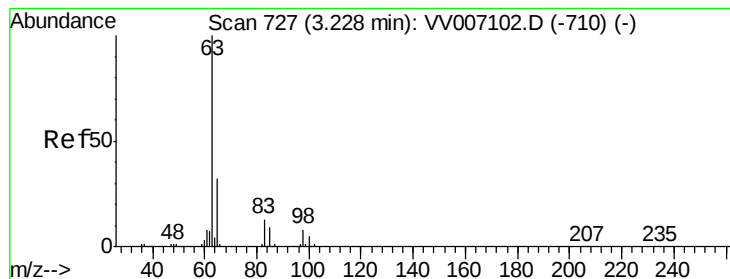
#18
trans-1,2-Dichloroethene
Concen: 17.076 ug/L
RT: 2.79 min Scan# 591
Delta R.T. -0.00 min
Lab File: VV007104.D
Acq: 21 Aug 2018 16:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.9	91.4	169.8
98	62.7	44.7	83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 18.415 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02073

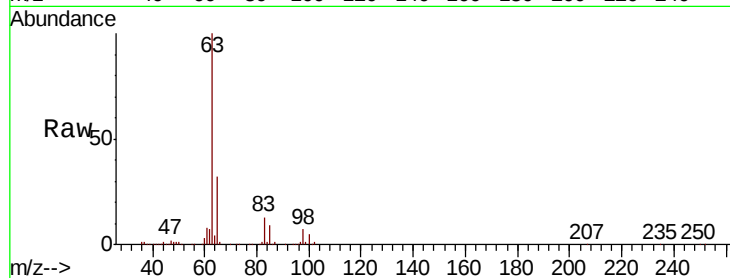
Tgt Ion: 63 Resp: 847165

Ion Ratio Lower Upper

63 100

65 32.3 22.5 41.9

83 13.2 8.8 16.3

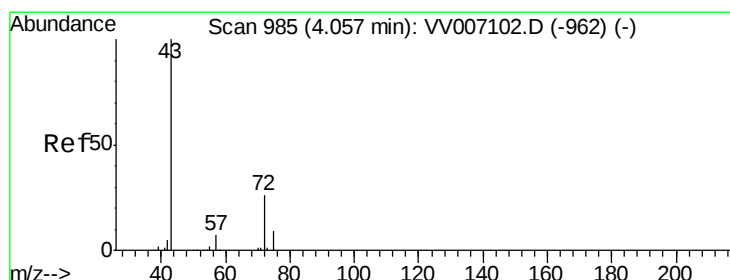
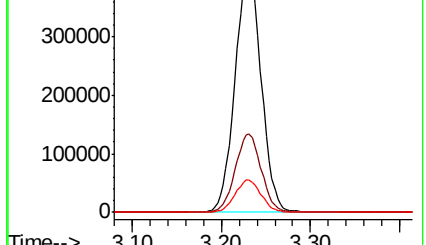
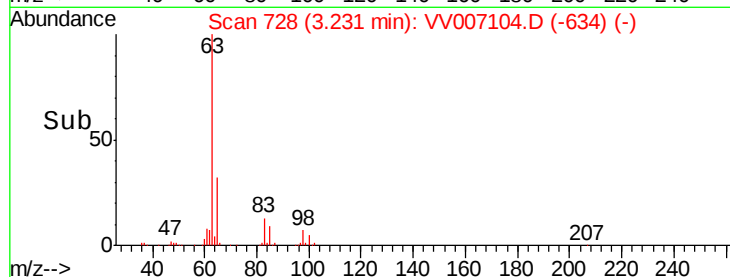


Abundance Ion 63.10 (62.80 to 63.80): VV007104.D (-710) (-)

Ion 65.10 (64.80 to 65.80): VV007104.D (-710) (-)

Ion 83.05 (82.75 to 83.75): VV007104.D (-710) (-)

3.23



#21

2-Butanone

Concen: 179.716 ug/L

RT: 4.05 min Scan# 982

Delta R.T. -0.01 min

Lab File: VV007104.D

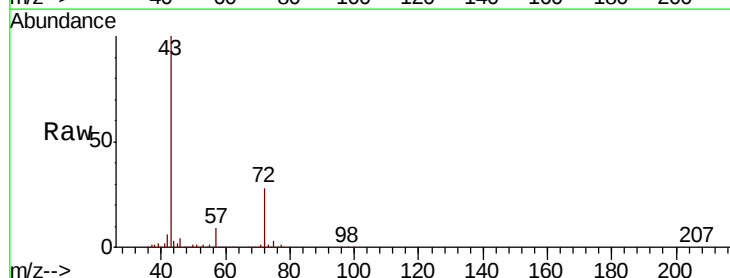
Acq: 21 Aug 2018 16:34

Tgt Ion: 43 Resp: 1232505

Ion Ratio Lower Upper

43 100

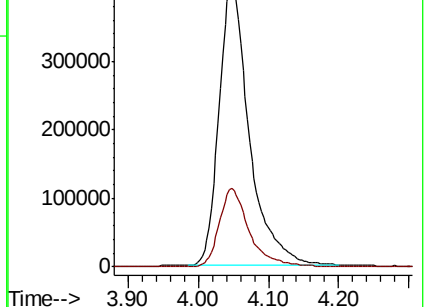
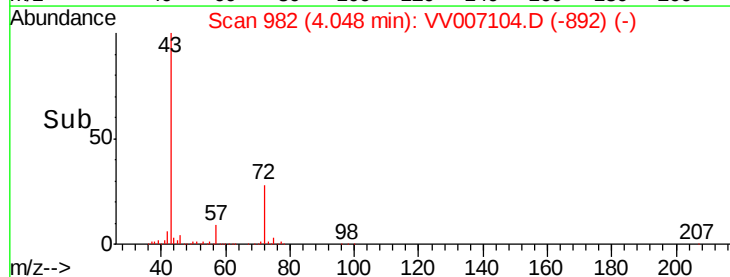
72 27.4 11.5 34.5

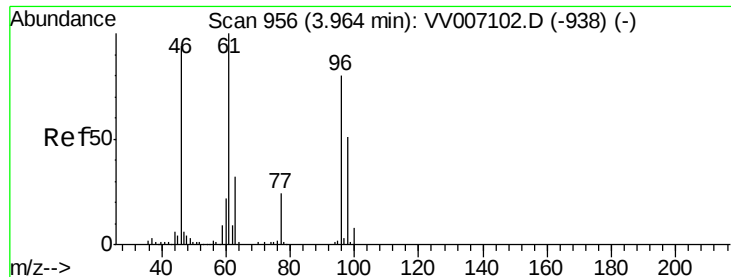


Abundance Ion 43.05 (42.75 to 43.75): VV007104.D (-892) (-)

Ion 72.10 (71.80 to 72.80): VV007104.D (-892) (-)

4.05



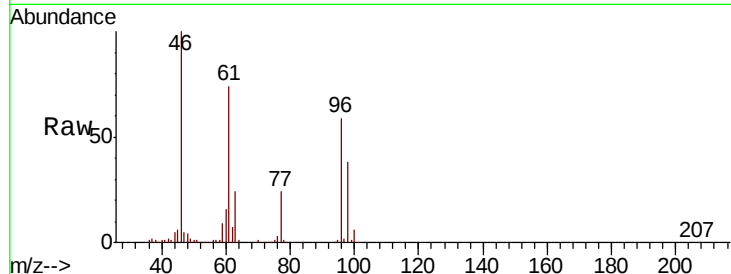


#22

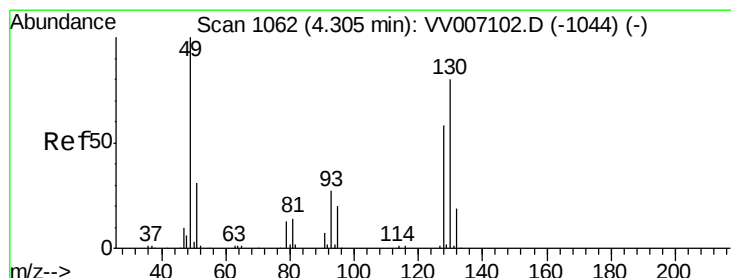
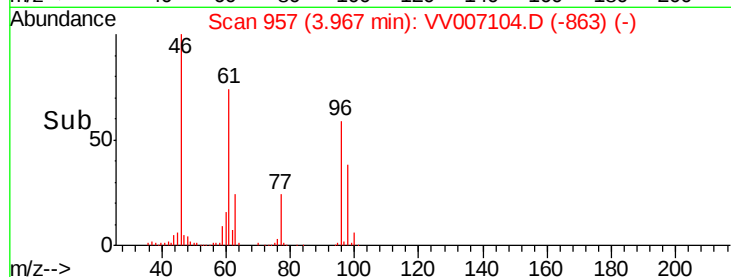
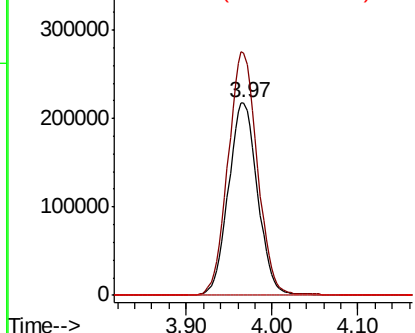
cis-1,2-Dichloroethene
Concen: 18.182 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV007104.D
Acq: 21 Aug 2018 16:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD02073

Tgt Ion: 96 Resp: 513279
Ion Ratio Lower Upper
96 100
61 125.9 87.7 162.9
68 0.0 0.0 0.0



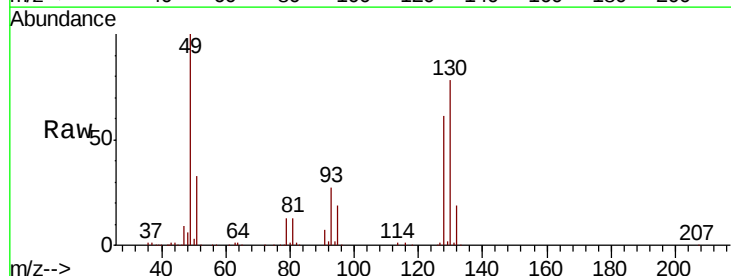
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



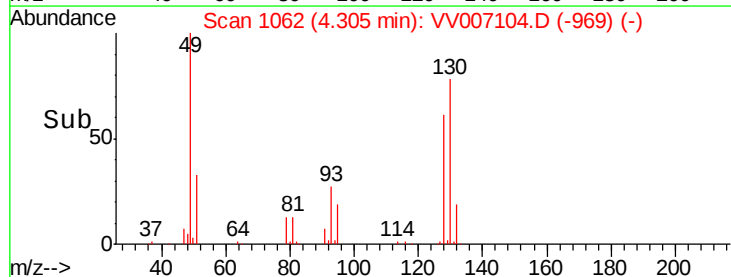
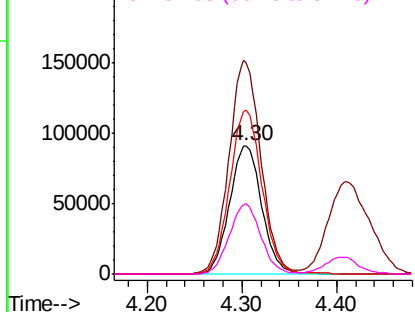
#23

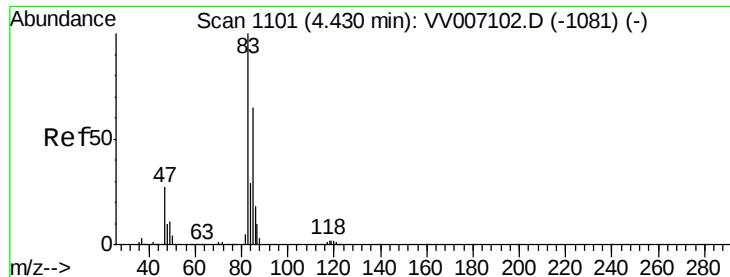
Bromochloromethane
Concen: 18.454 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VV007104.D
Acq: 21 Aug 2018 16:34

Tgt Ion: 128 Resp: 215894
Ion Ratio Lower Upper
128 100
49 165.1 120.0 222.8
130 128.0 96.0 178.4
51 54.7 42.6 63.8



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 17.718 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampleId :

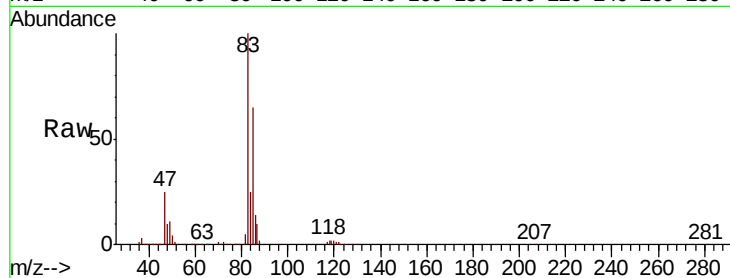
VSTD02073

Tgt Ion: 83 Resp: 876673

Ion Ratio Lower Upper

83 100

85 65.4 45.5 84.5



Abundance Ion 83.05 (82.75 to 83.75): VV007102.D (-1081) (-)

Ion 85.00 (84.70 to 85.70): VV007104.D (-1008) (-)

4.43

400000

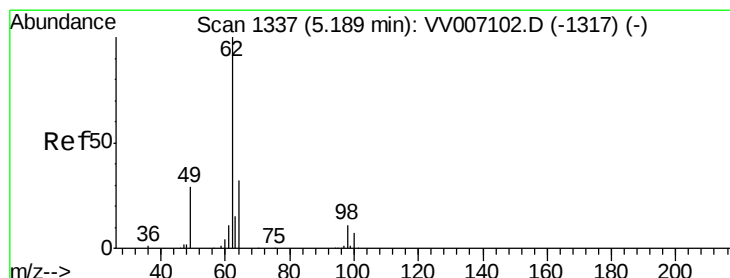
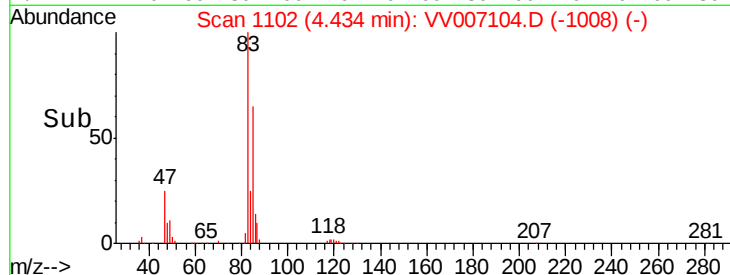
300000

200000

100000

0

Time-->



#27

1,2-Dichloroethane

Concen: 17.061 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV007104.D

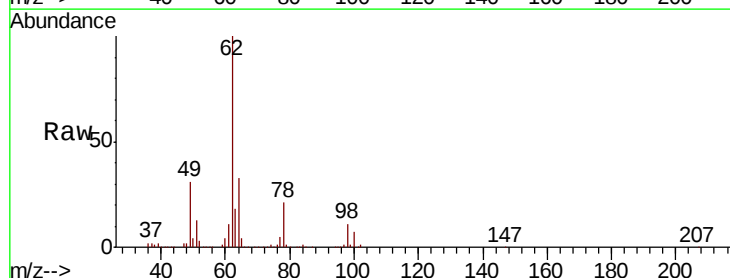
Acq: 21 Aug 2018 16:34

Tgt Ion: 62 Resp: 520820

Ion Ratio Lower Upper

62 100

98 10.9 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VV007102.D (-1317) (-)

Ion 98.05 (97.75 to 98.75): VV007104.D (-1244) (-)

5.19

250000

200000

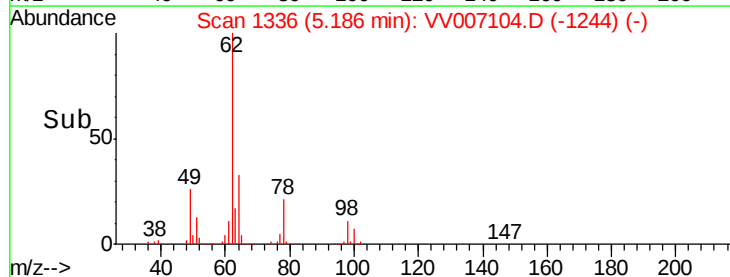
150000

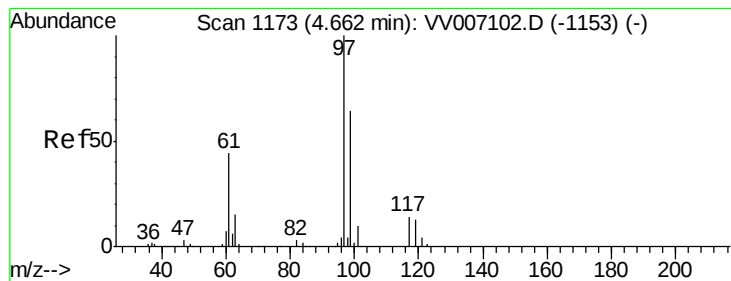
100000

50000

0

Time-->





#29

1,1,1-Trichloroethane

Concen: 17.770 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02073

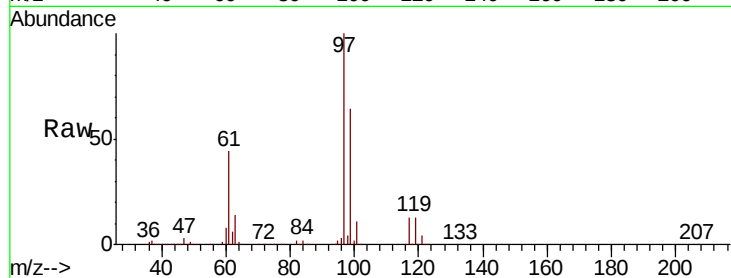
Tgt Ion: 97 Resp: 737480

Ion Ratio Lower Upper

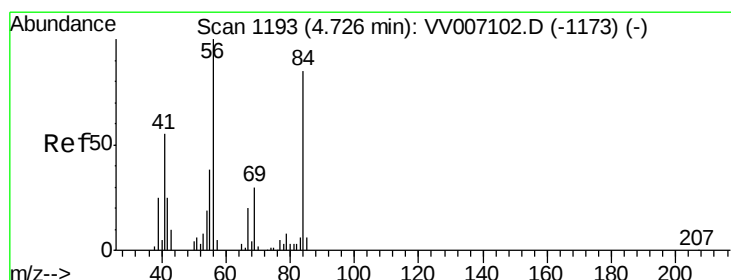
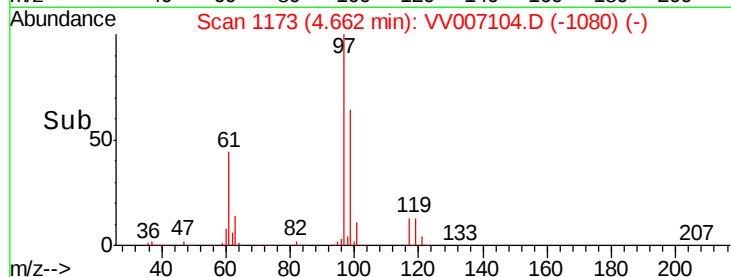
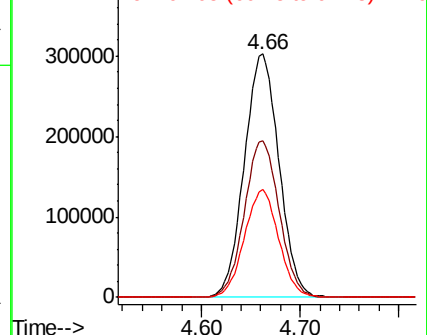
97 100

99 64.6 51.3 76.9

61 44.0 35.3 52.9



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 18.396 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

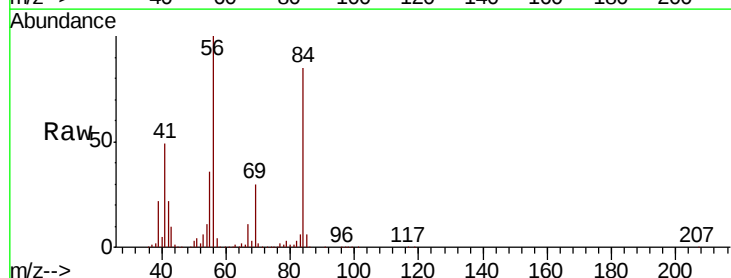
Tgt Ion: 56 Resp: 777278

Ion Ratio Lower Upper

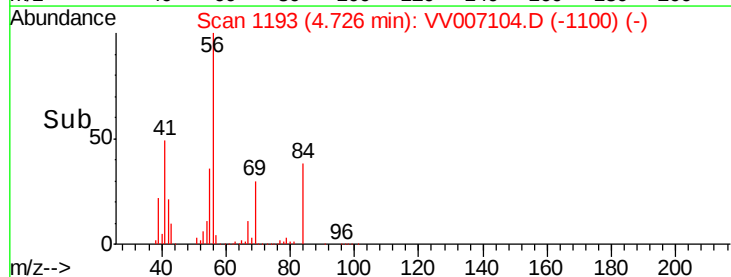
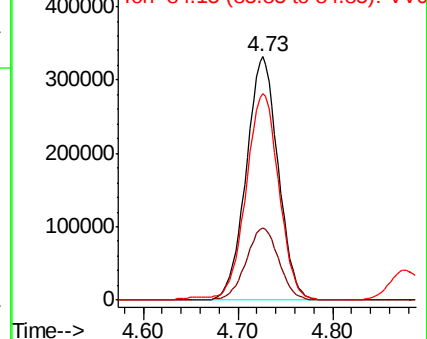
56 100

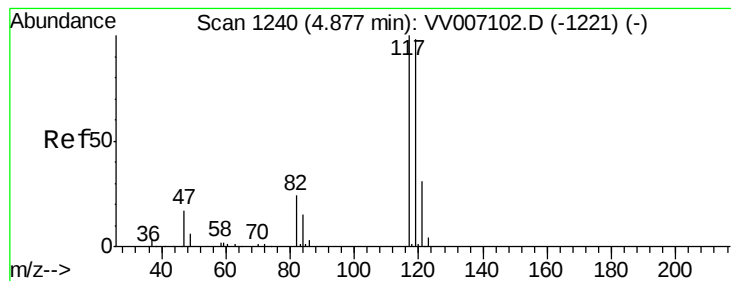
69 30.3 24.3 36.5

84 88.1 69.8 104.6



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 18.303 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampleId :

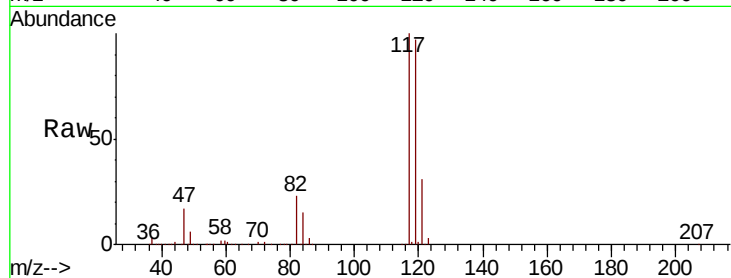
VSTD02073

Tgt Ion:117 Resp: 636920

Ion Ratio Lower Upper

117 100

119 95.5 75.0 112.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

300000

250000

200000

150000

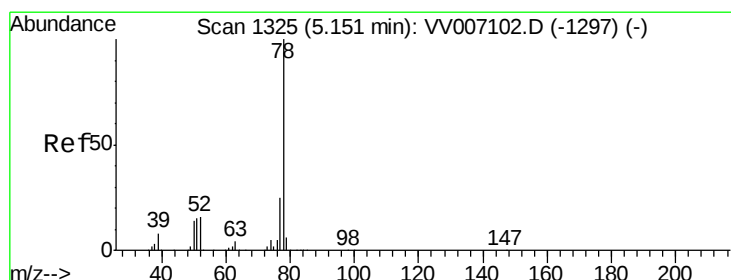
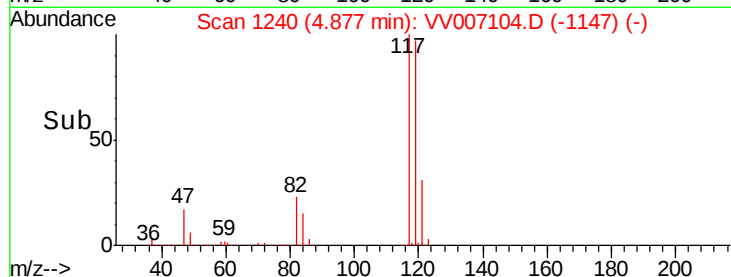
100000

50000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 18.636 ug/L

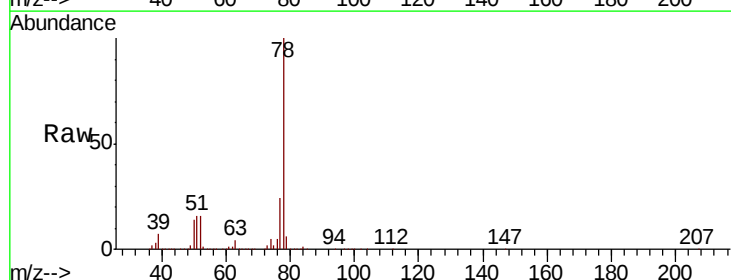
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Tgt Ion: 78 Resp: 2005085



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

1000000

800000

600000

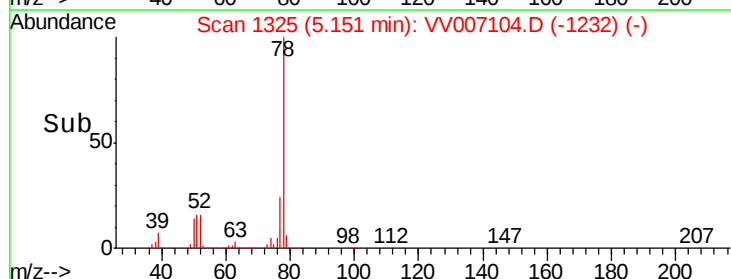
400000

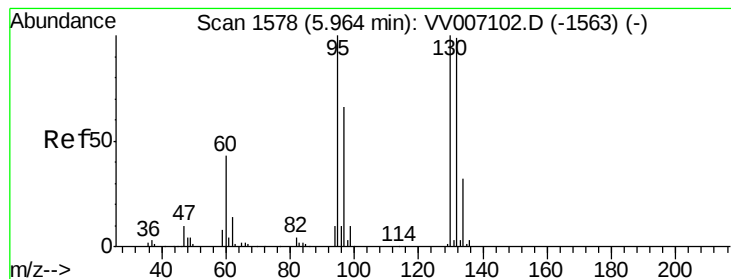
200000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 18.370 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02073

Tgt Ion: 95 Resp: 474006

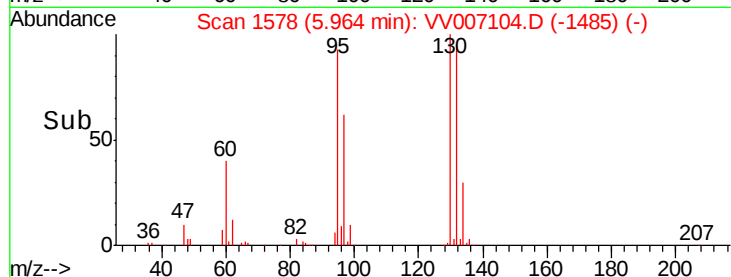
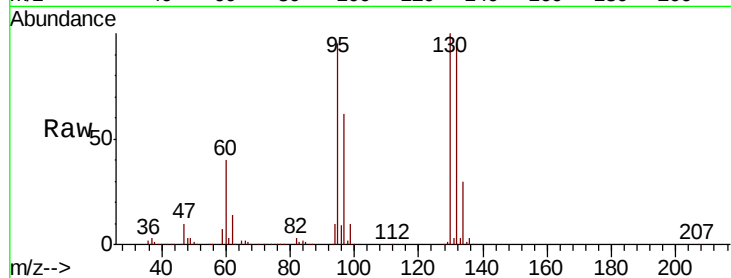
Ion Ratio Lower Upper

95 100

97 65.2 46.0 85.4

132 100.2 69.2 128.4

130 105.0 69.7 129.4

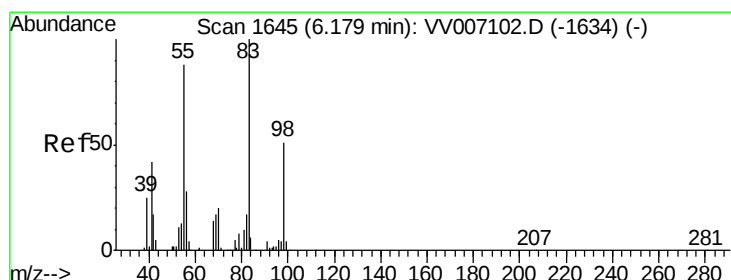
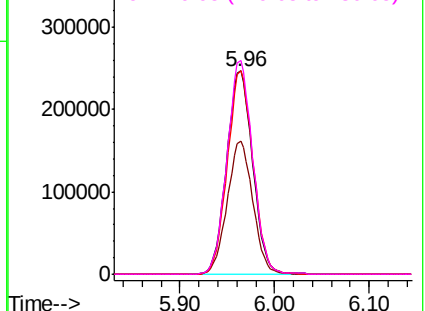


Abundance Ion 95.00 (94.70 to 95.70): VV007104.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV007104.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV007104.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV007104.D (-1485) (-)



#35

Methylcyclohexane

Concen: 20.318 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

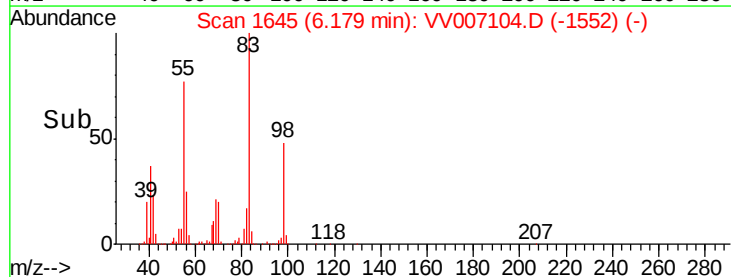
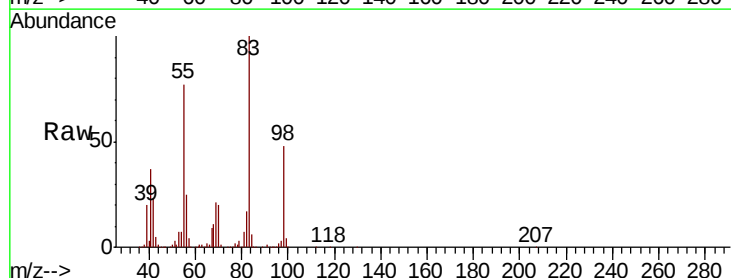
Tgt Ion: 83 Resp: 833026

Ion Ratio Lower Upper

83 100

55 78.3 65.5 98.3

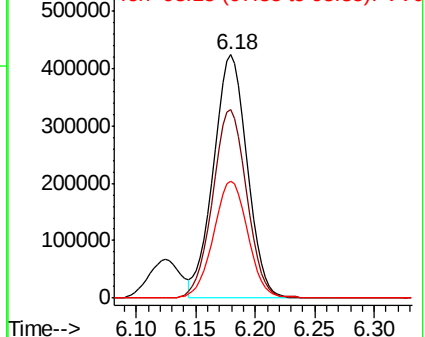
98 49.0 38.5 57.7

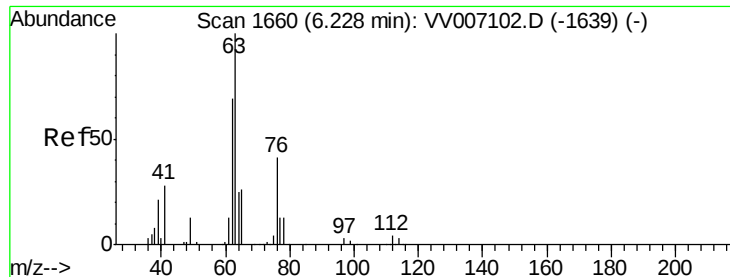


Abundance Ion 83.15 (82.85 to 83.85): VV007104.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV007104.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV007104.D (-1552) (-)

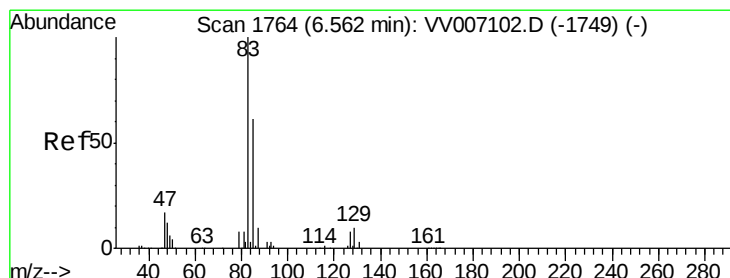
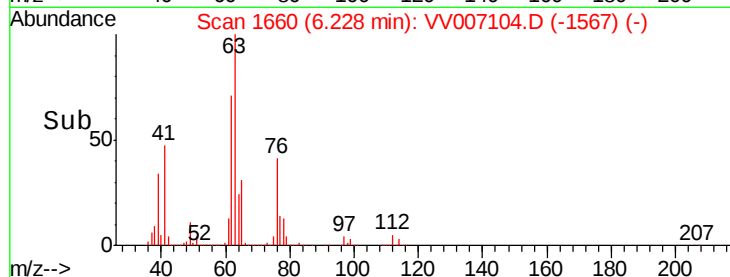
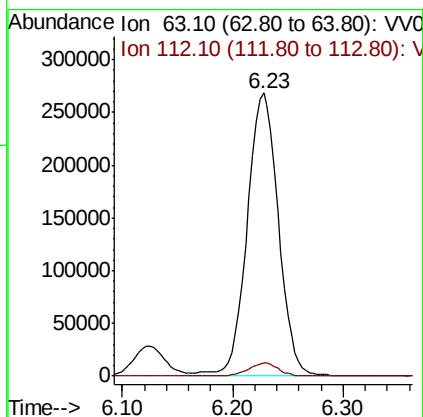
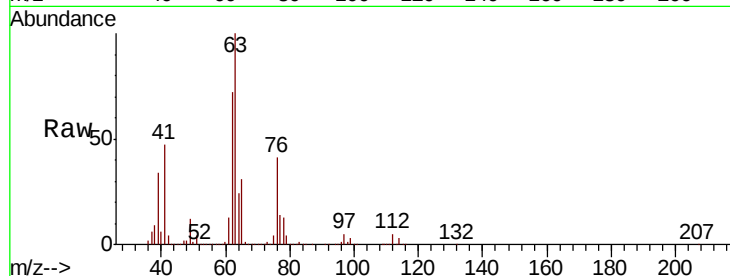




#37
 1,2-Dichloropropane
 Concen: 17.813 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV007104.D
 Acq: 21 Aug 2018 16:34

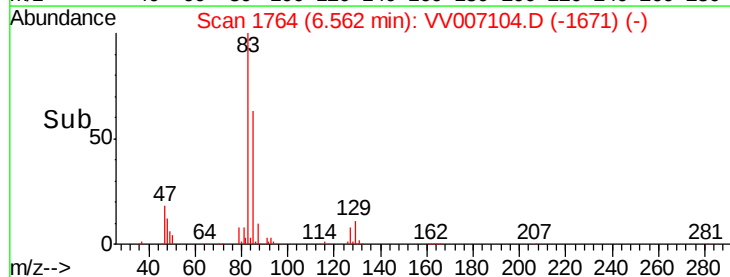
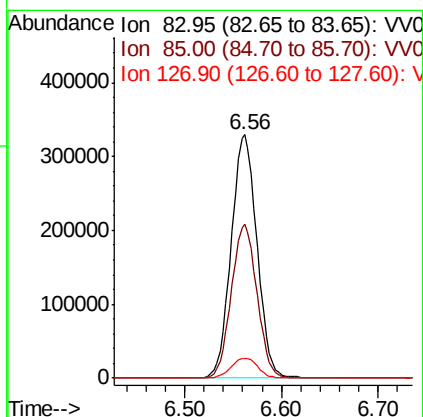
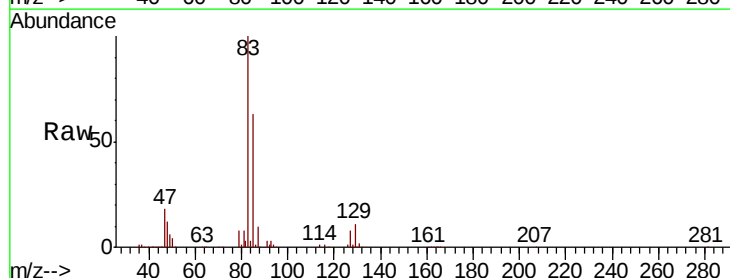
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02073

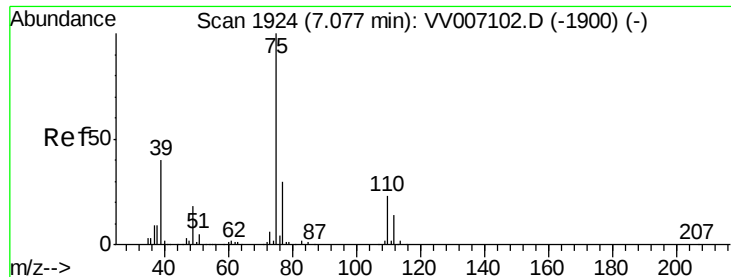
Tgt Ion: 63 Resp: 524934
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.8



#38
 Bromodichloromethane
 Concen: 18.109 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV007104.D
 Acq: 21 Aug 2018 16:34

Tgt Ion: 83 Resp: 609007
 Ion Ratio Lower Upper
 83 100
 85 63.1 42.8 79.4
 127 8.3 6.6 10.0

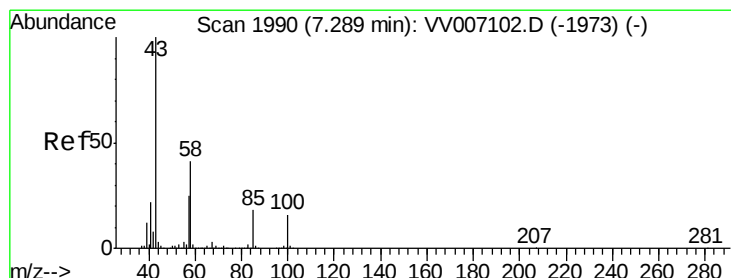
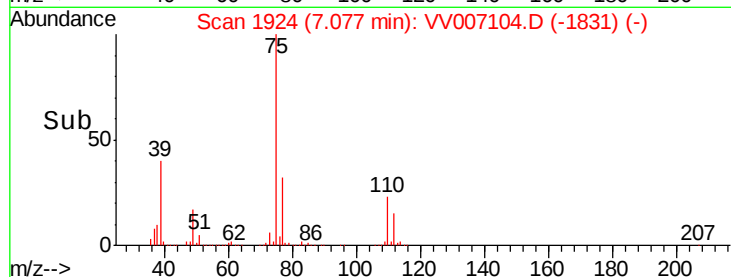
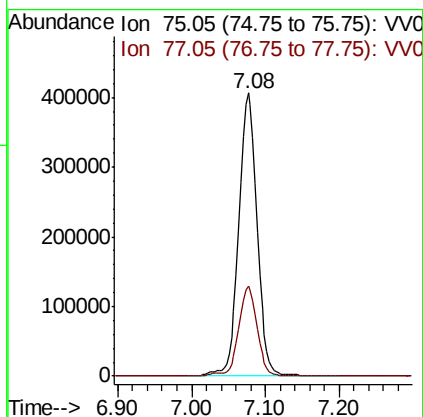
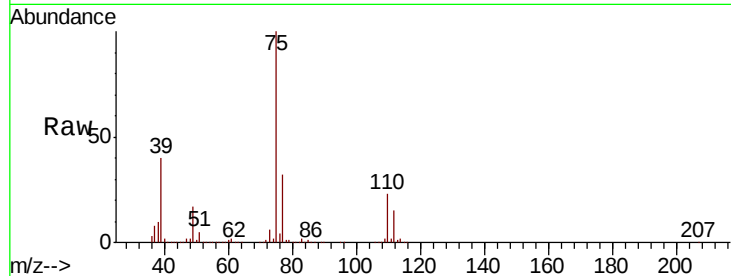




#39
 cis-1,3-Dichloropropene
 Concen: 19.919 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV007104.D
 Acq: 21 Aug 2018 16:34

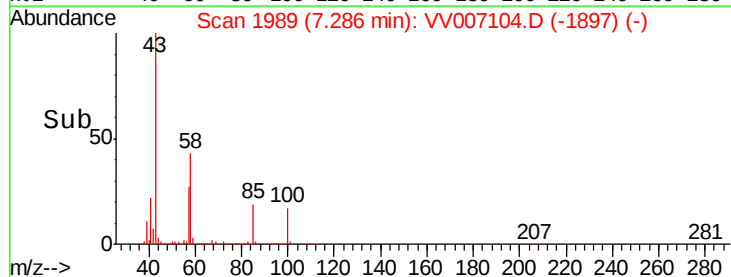
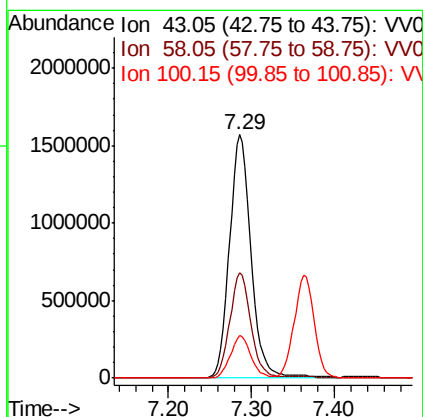
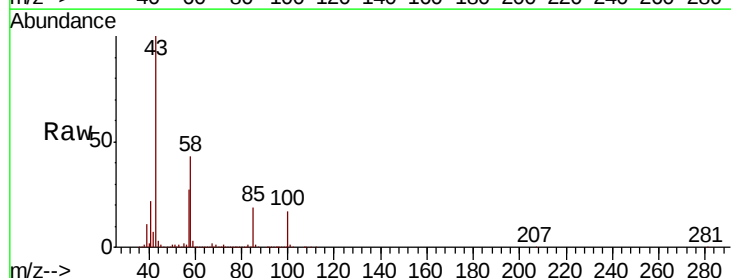
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02073

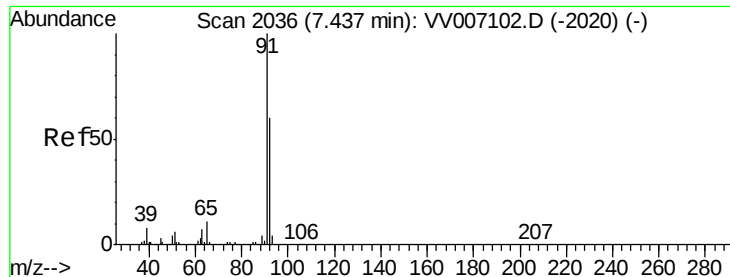
Tgt Ion: 75 Resp: 709492
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 182.023 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VV007104.D
 Acq: 21 Aug 2018 16:34

Tgt Ion: 43 Resp: 2857262
 Ion Ratio Lower Upper
 43 100
 58 42.2 32.2 48.4
 100 16.7 12.3 18.5





#42

Toluene

Concen: 19.835 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampleId :

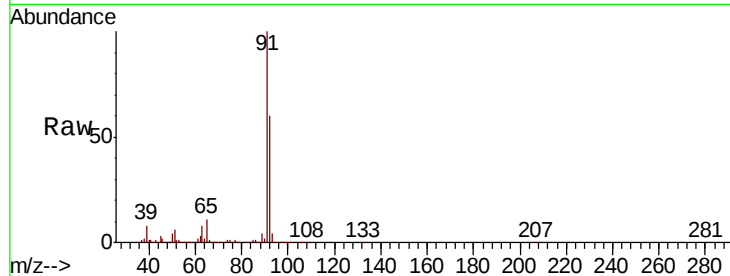
VSTD02073

Tgt Ion: 91 Resp: 2054151

Ion Ratio Lower Upper

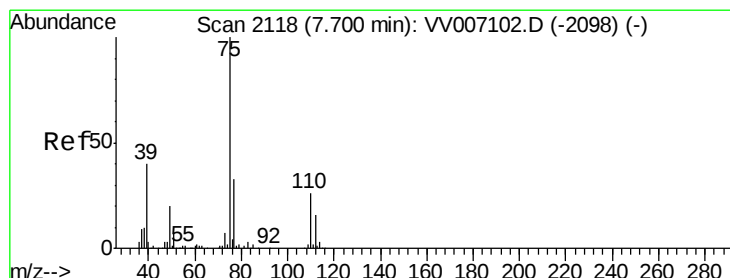
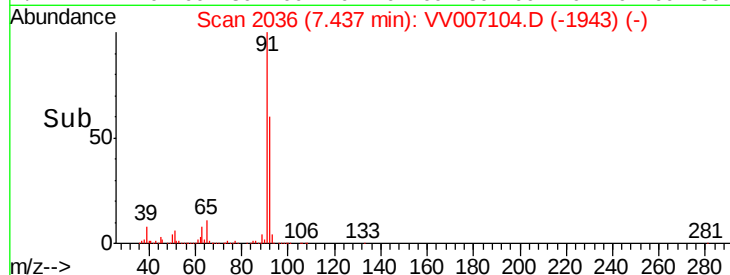
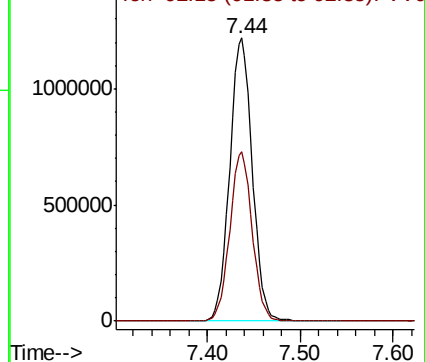
91 100

92 59.7 41.8 77.6



Abundance Ion 91.15 (90.85 to 91.85): VV007104.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VV007104.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 19.724 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV007104.D

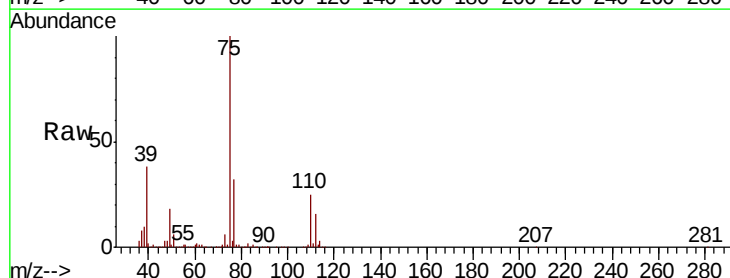
Acq: 21 Aug 2018 16:34

Tgt Ion: 75 Resp: 576813

Ion Ratio Lower Upper

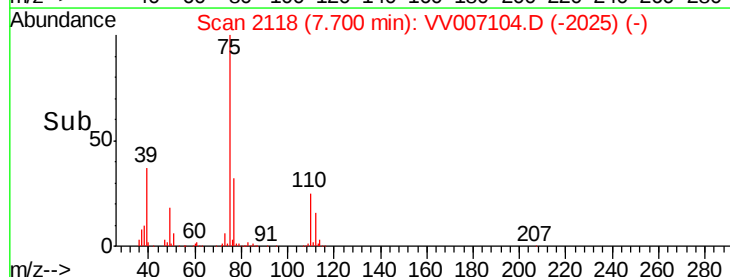
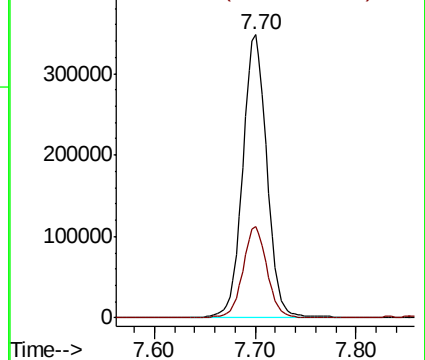
75 100

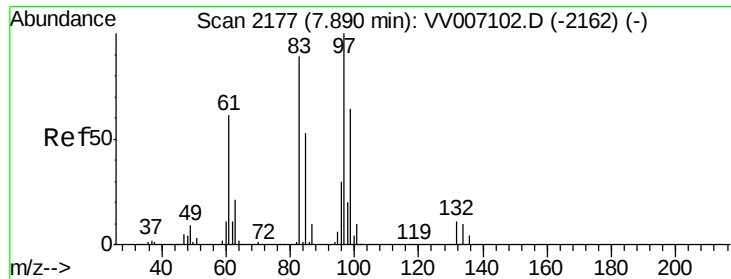
77 32.2 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV007104.D (-2098) (-)

Ion 77.05 (76.75 to 77.75): VV007104.D (-2098) (-)

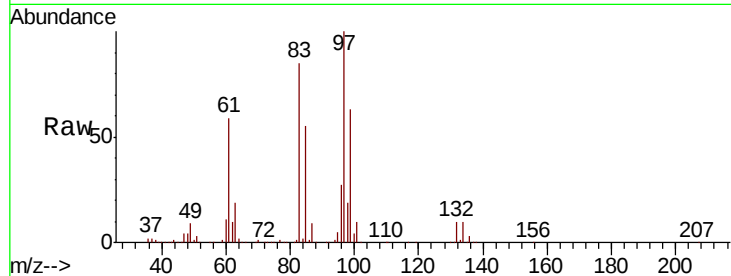




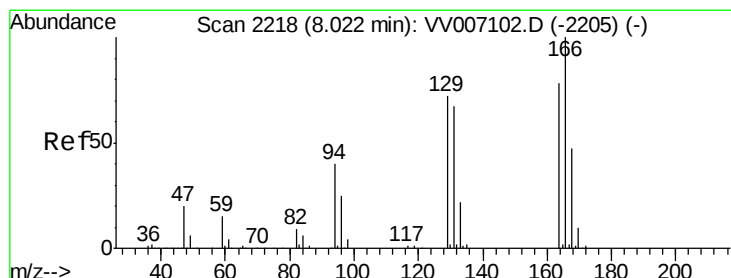
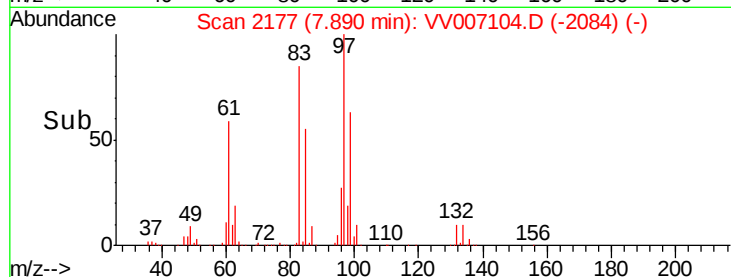
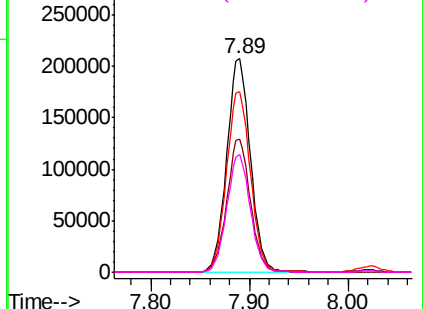
#45
 1,1,2-Trichloroethane
 Concen: 17.986 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV007104.D
 Acq: 21 Aug 2018 16:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02073

Tgt Ion:	97	Resp:	347989
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.9	83.5
83	84.6	62.4	115.8
85	55.0	37.0	68.6

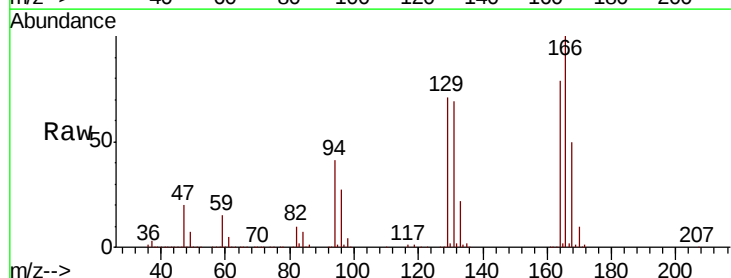


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

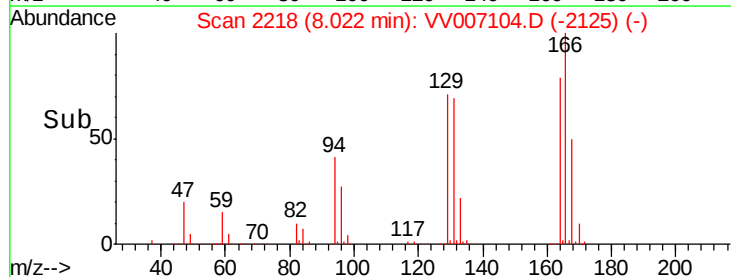
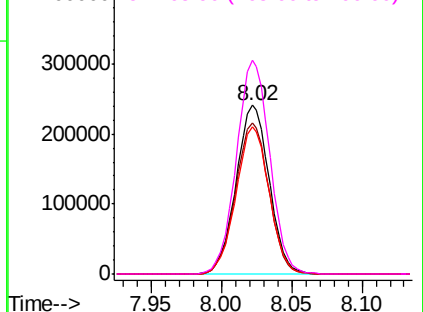


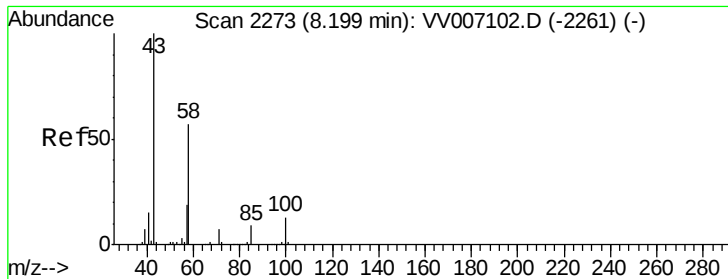
#47
 Tetrachloroethene
 Concen: 18.712 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV007104.D
 Acq: 21 Aug 2018 16:34

Tgt Ion:	164	Resp:	396485
Ion	Ratio	Lower	Upper
164	100		
129	89.7	64.8	120.3
131	87.3	60.1	111.5
166	126.5	89.3	165.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

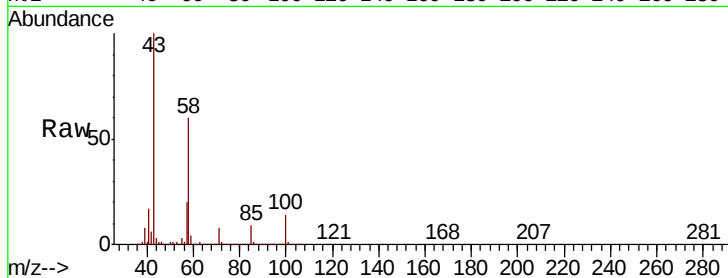




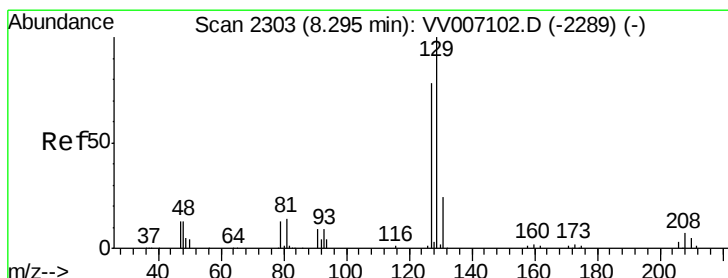
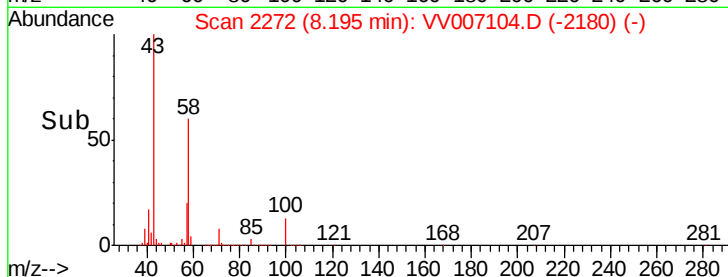
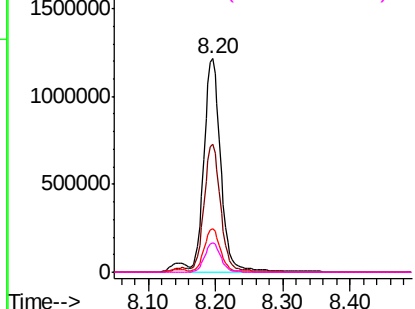
#48
2-Hexanone
Concen: 185.880 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV007104.D
Acq: 21 Aug 2018 16:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD02073

Tgt Ion: 43 Resp: 2085039
Ion Ratio Lower Upper
43 100
58 59.7 47.7 71.5
57 20.1 15.4 23.0
100 13.2 9.7 14.5

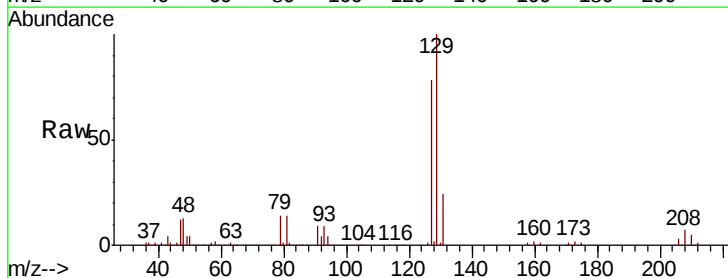


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

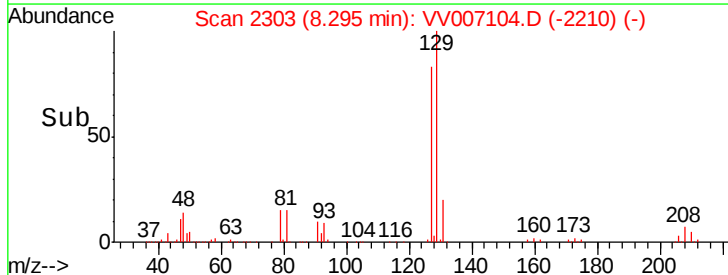
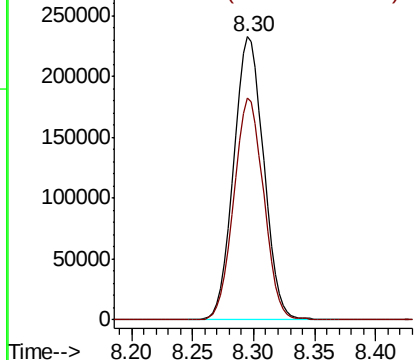


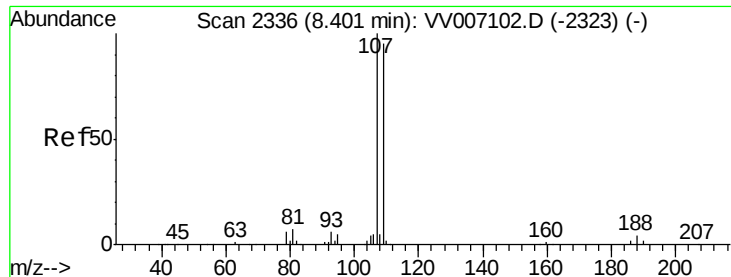
#49
Dibromochloromethane
Concen: 19.513 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007104.D
Acq: 21 Aug 2018 16:34

Tgt Ion: 129 Resp: 398015
Ion Ratio Lower Upper
129 100
127 78.3 54.8 101.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

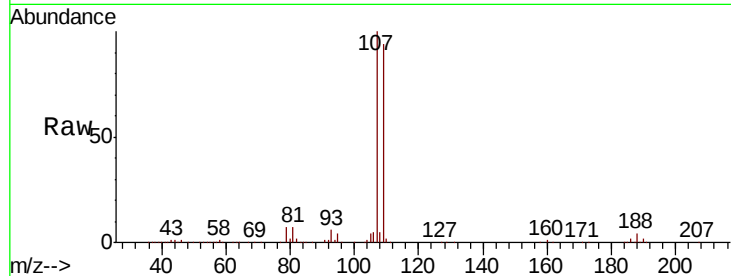




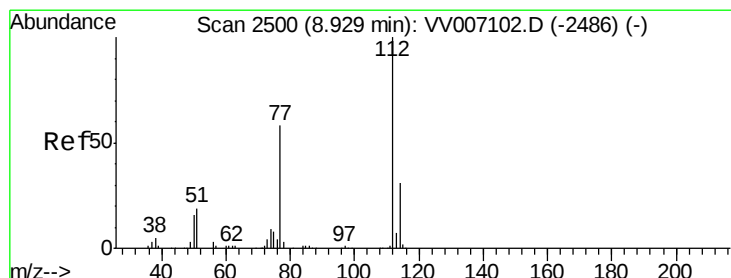
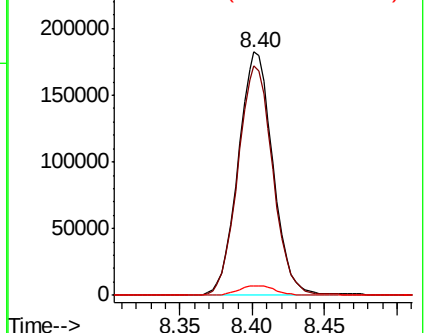
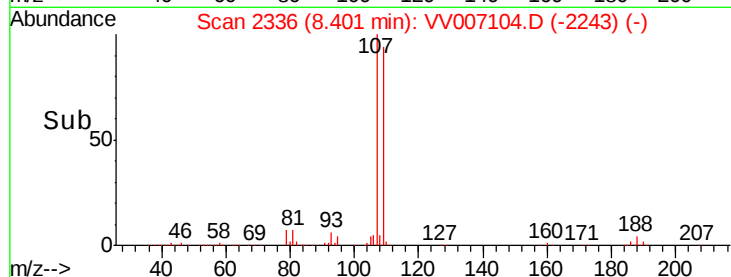
#50
 1,2-Dibromoethane
 Concen: 18.538 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VV007104.D
 Acq: 21 Aug 2018 16:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02073

Tgt Ion:107 Resp: 302566
 Ion Ratio Lower Upper
 107 100
 109 94.0 66.8 124.2
 188 3.9 2.9 4.3

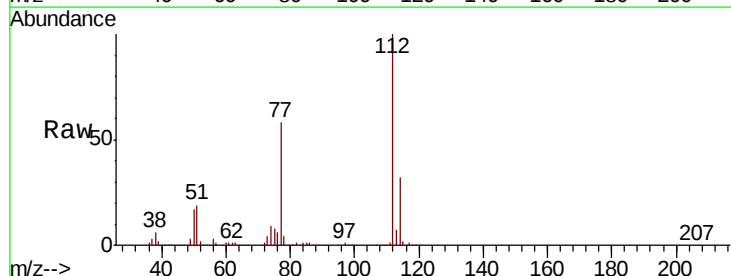


Abundance Ion 106.95 (106.65 to 107.65): V
 250000 Ion 109.00 (108.70 to 109.70): V
 200000 Ion 187.90 (187.60 to 188.60): V

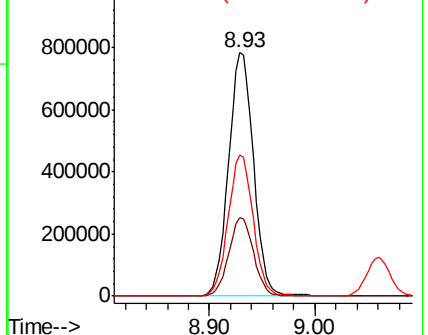
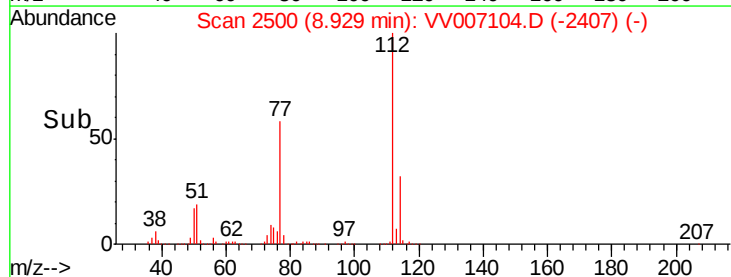


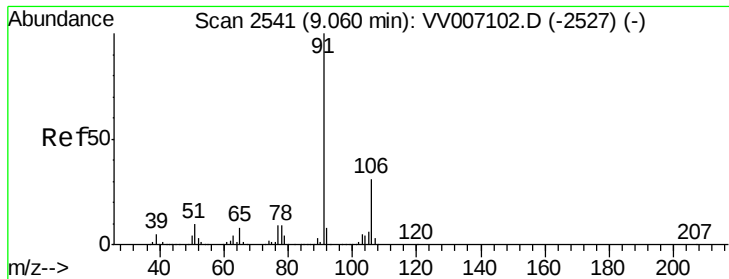
#51
 Chlorobenzene
 Concen: 19.261 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: VV007104.D
 Acq: 21 Aug 2018 16:34

Tgt Ion:112 Resp: 1280457
 Ion Ratio Lower Upper
 112 100
 114 32.3 21.9 40.7
 77 58.0 46.9 70.3



Abundance Ion 112.10 (111.80 to 112.80): V
 1000000 Ion 114.05 (113.75 to 114.75): V
 800000 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 21.136 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampleId :

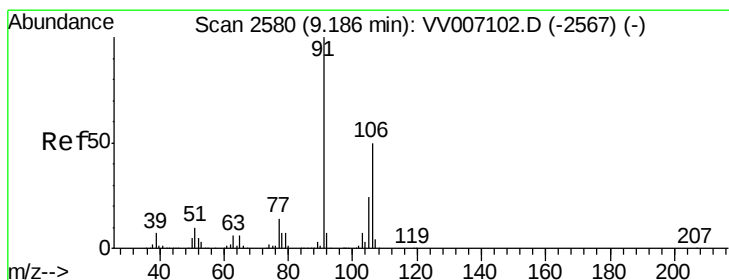
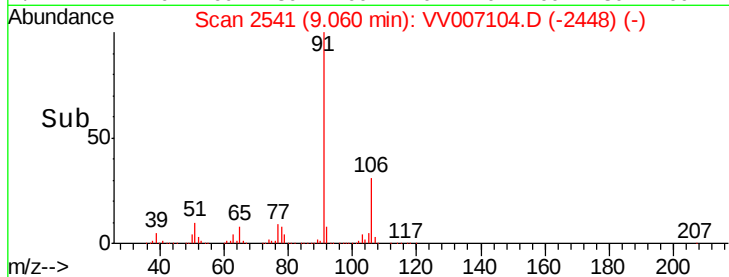
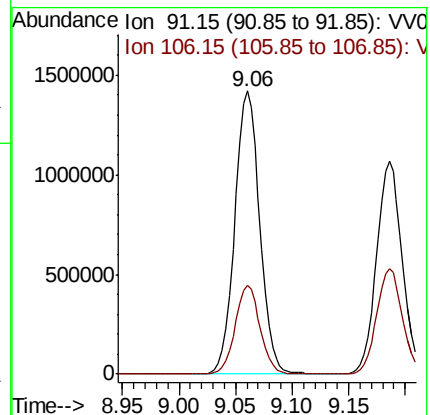
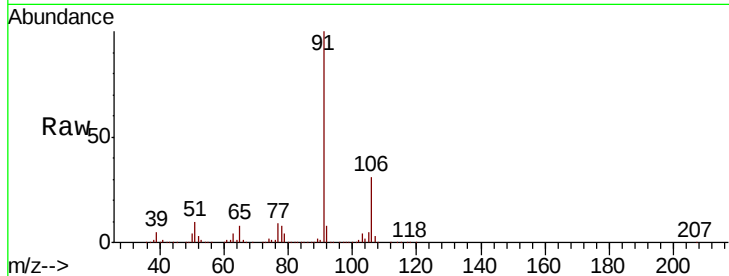
VSTD02073

Tgt Ion: 91 Resp: 2180258

Ion Ratio Lower Upper

91 100

106 31.3 21.7 40.3



#53

m,p-xylene

Concen: 21.657 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007104.D

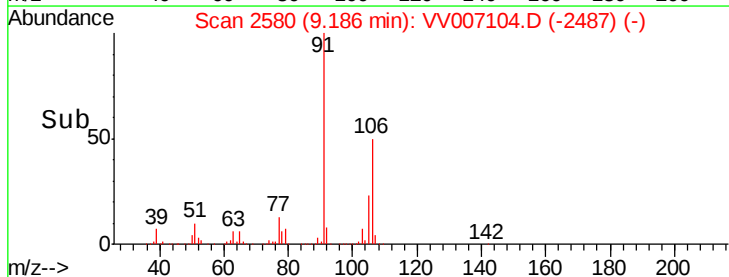
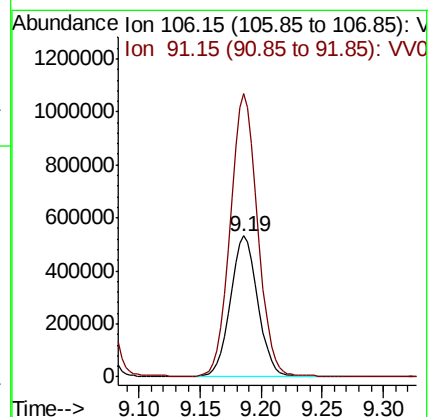
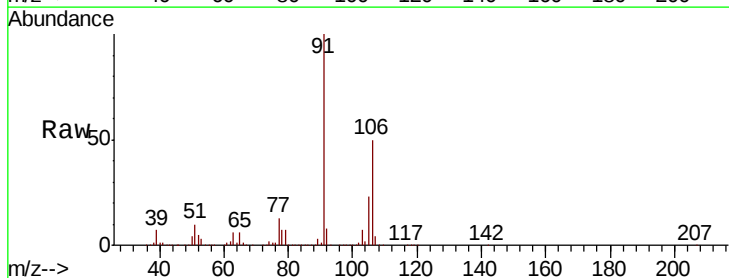
Acq: 21 Aug 2018 16:34

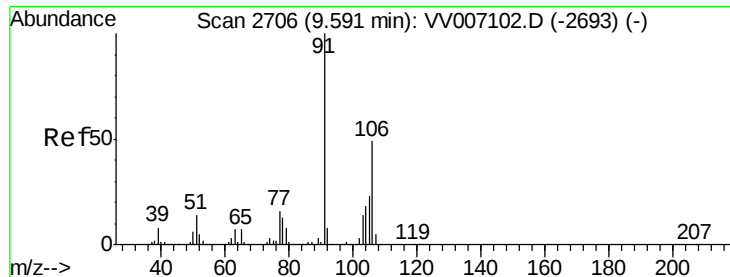
Tgt Ion: 106 Resp: 838153

Ion Ratio Lower Upper

106 100

91 201.1 141.5 262.7





#54

o-xylene

Concen: 21.944 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampleId :

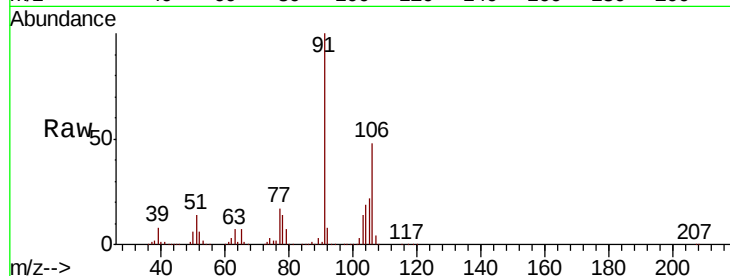
VSTD02073

Tgt Ion:106 Resp: 804499

Ion Ratio Lower Upper

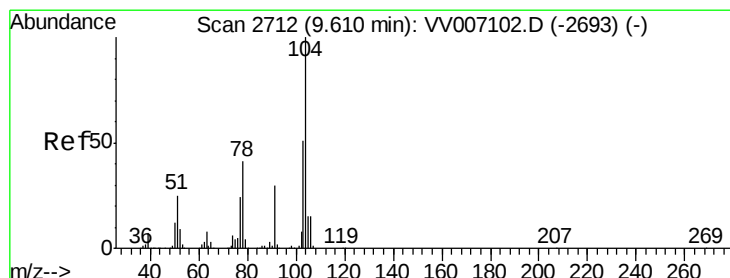
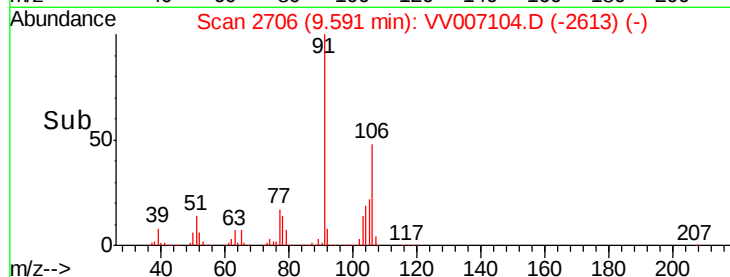
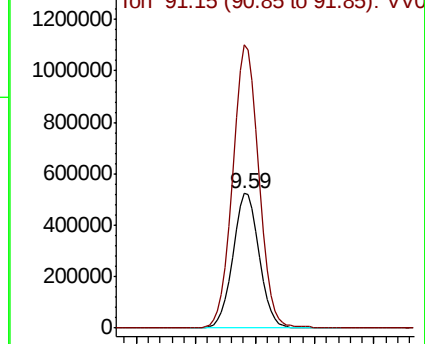
106 100

91 209.9 144.2 267.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 23.078 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV007104.D

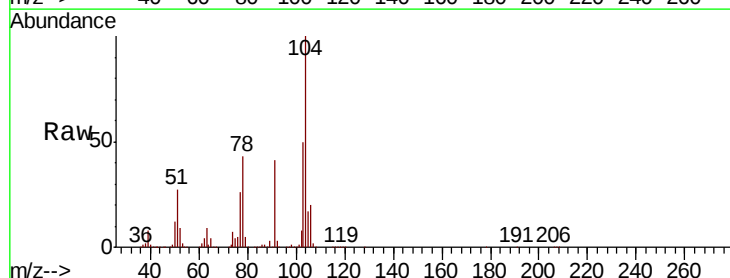
Acq: 21 Aug 2018 16:34

Tgt Ion:104 Resp: 1429125

Ion Ratio Lower Upper

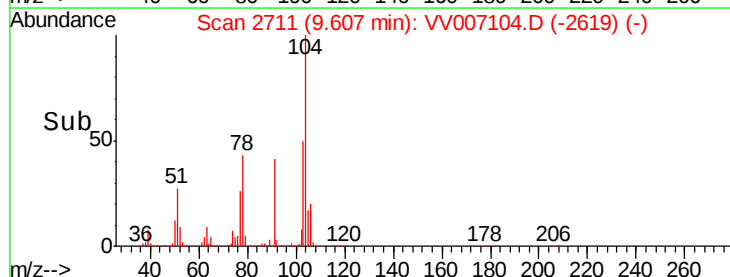
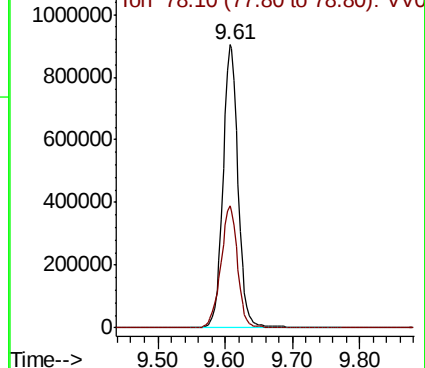
104 100

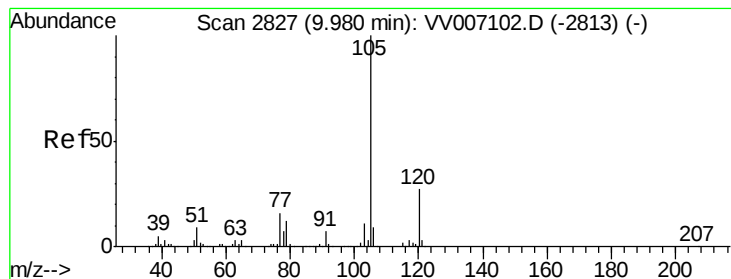
78 43.3 28.9 53.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 22.089 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02073

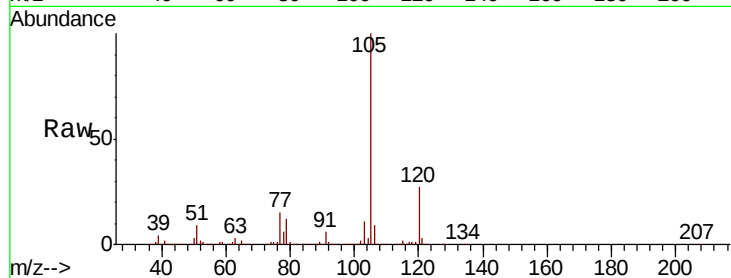
Tgt Ion:105 Resp: 2117477

Ion Ratio Lower Upper

105 100

120 26.5 21.8 32.8

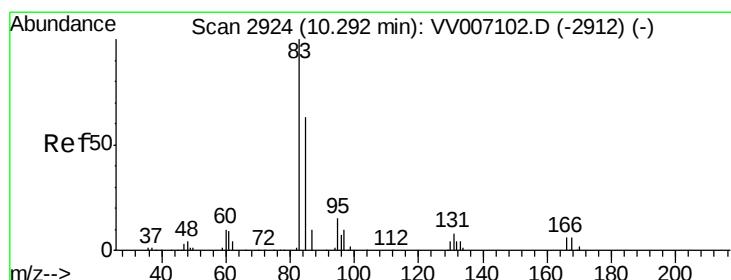
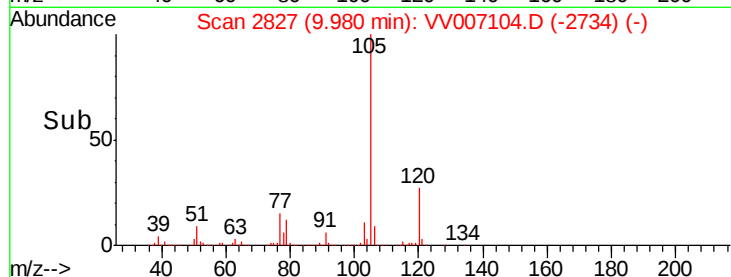
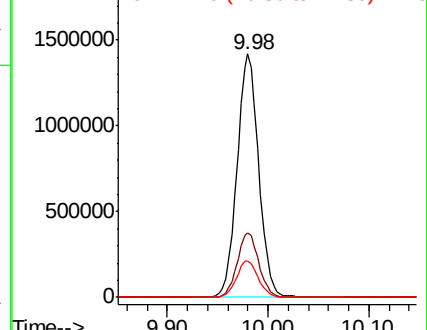
77 15.2 12.6 18.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 17.844 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

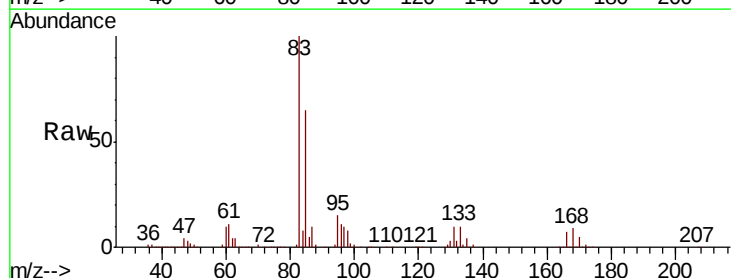
Tgt Ion: 83 Resp: 416650

Ion Ratio Lower Upper

83 100

85 64.5 44.4 82.5

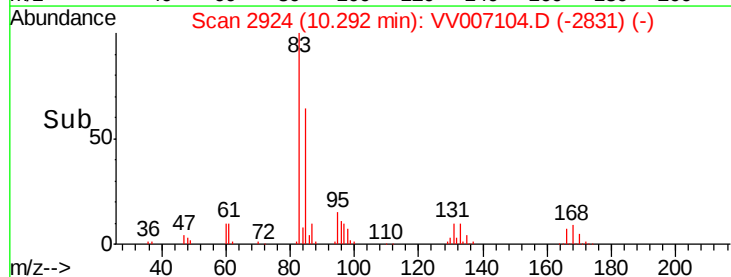
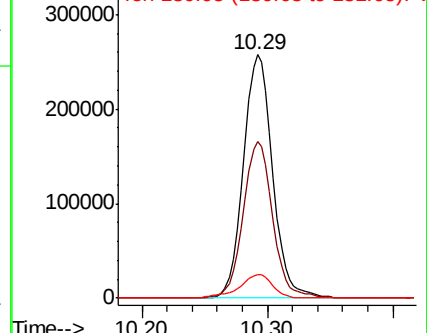
131 9.8 7.3 10.9

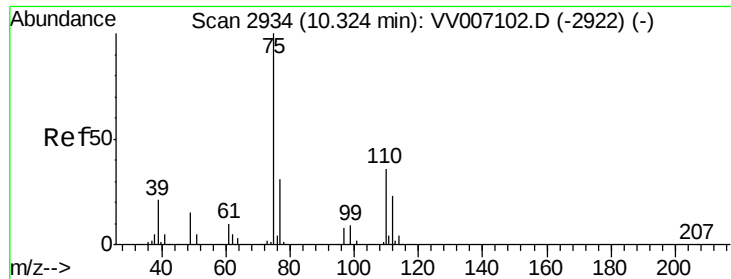


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 17.987 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampleId :

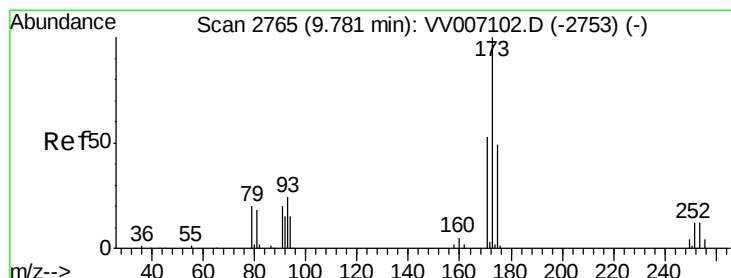
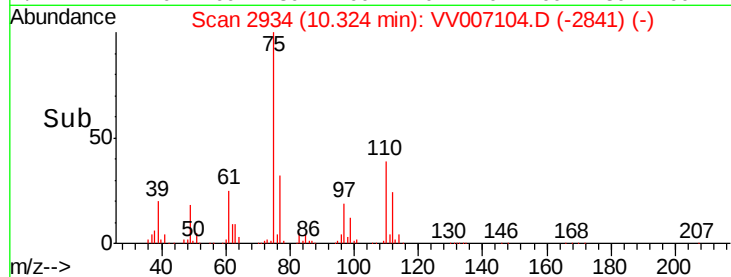
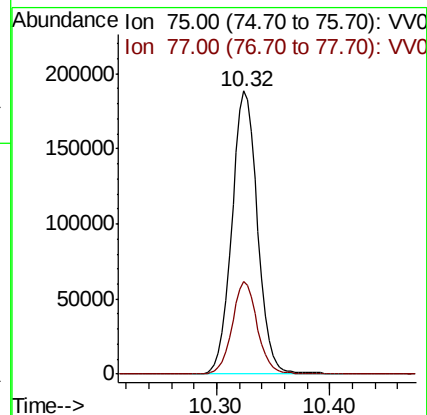
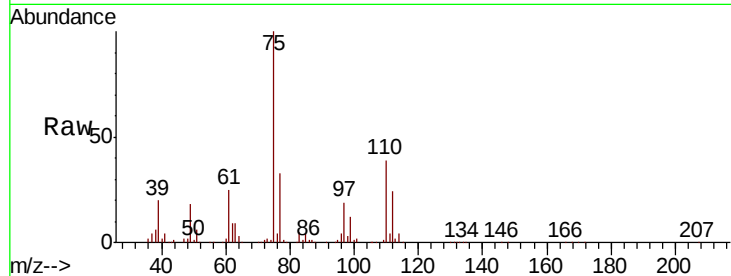
VSTD02073

Tgt Ion: 75 Resp: 297317

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4



#61

Bromoform

Concen: 18.267 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

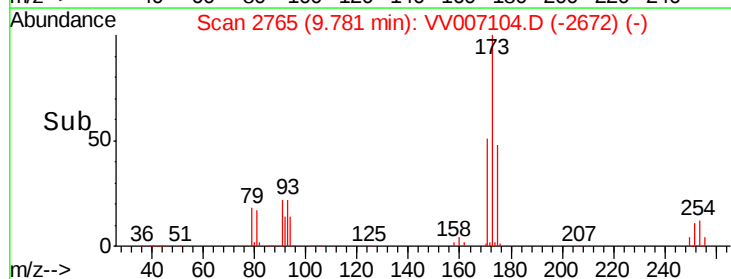
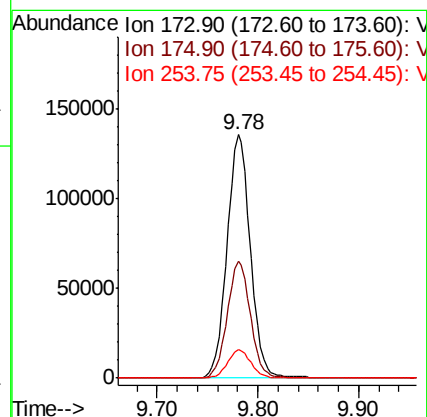
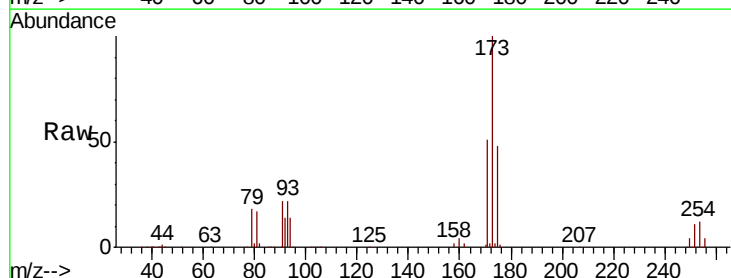
Tgt Ion: 173 Resp: 219876

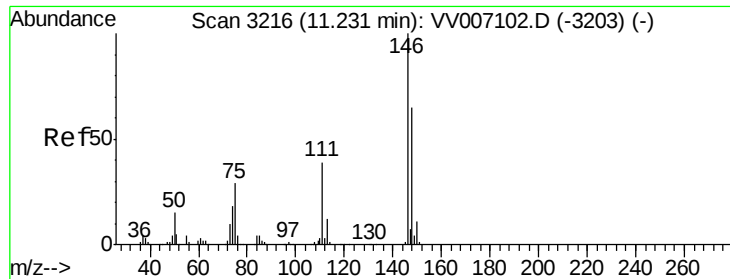
Ion Ratio Lower Upper

173 100

175 47.5 38.9 58.3

254 11.8 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 18.516 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02073

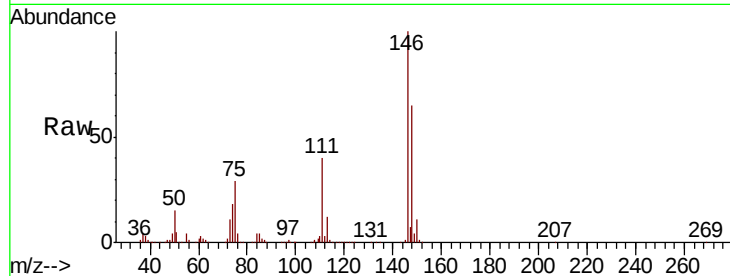
Tgt Ion:146 Resp: 942546

Ion Ratio Lower Upper

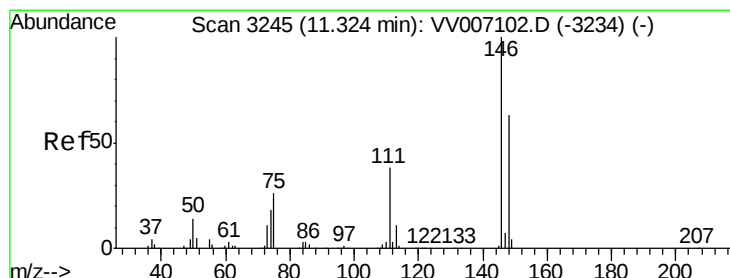
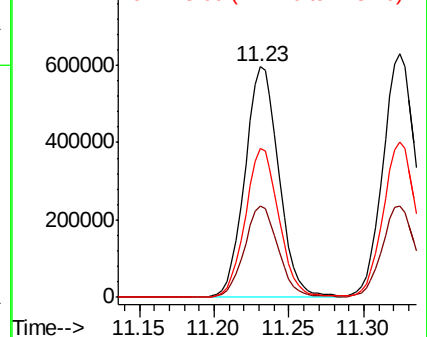
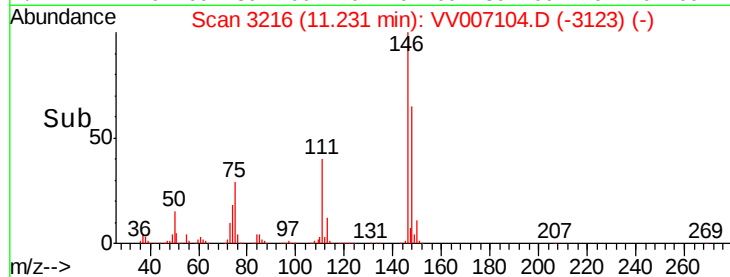
146 100

111 39.9 27.4 50.8

148 64.6 45.3 84.1



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



#63

1,4-Dichlorobenzene

Concen: 18.942 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

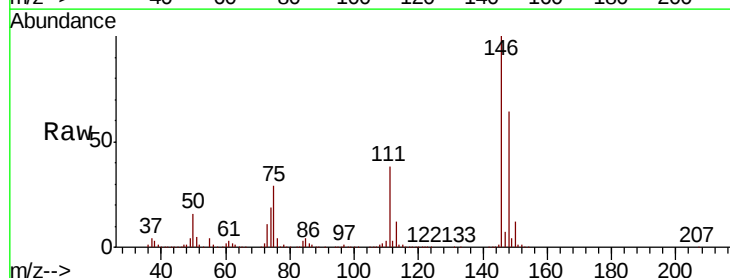
Tgt Ion:146 Resp: 988137

Ion Ratio Lower Upper

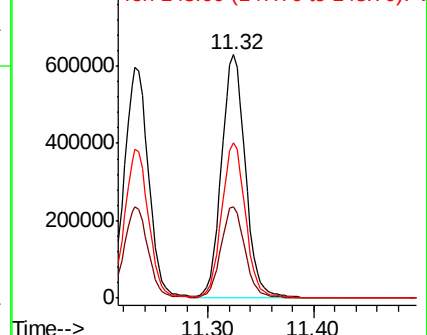
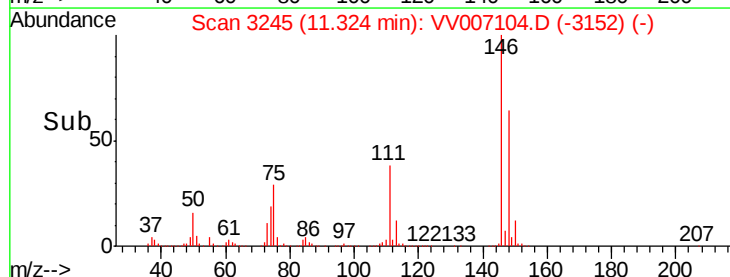
146 100

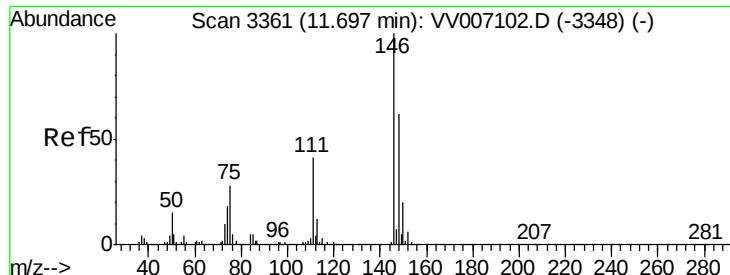
111 37.7 26.7 49.7

148 64.0 44.4 82.4



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





#65

1,2-Dichlorobenzene

Concen: 18.761 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02073

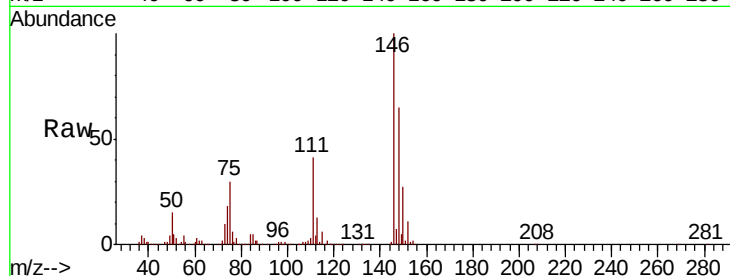
Tgt Ion:146 Resp: 946247

Ion Ratio Lower Upper

146 100

111 40.7 32.7 49.1

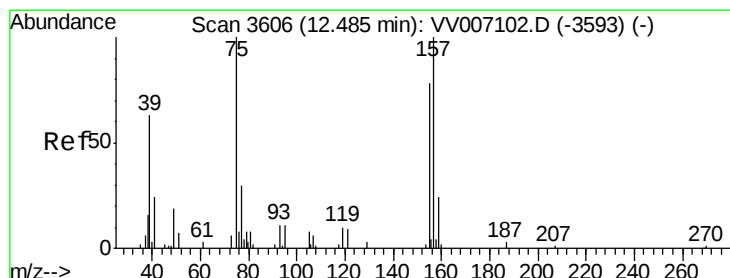
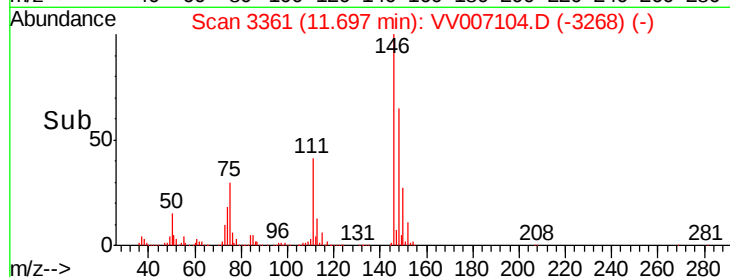
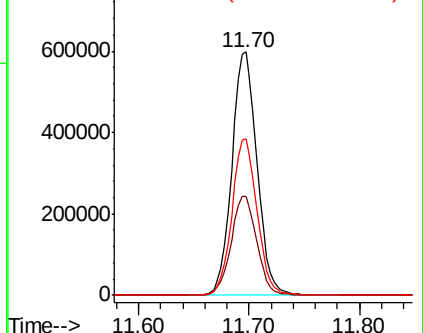
148 64.6 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 15.722 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

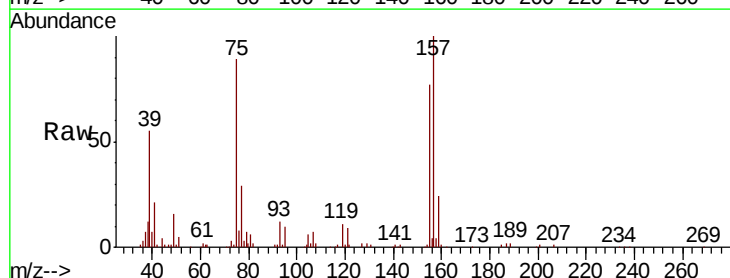
Tgt Ion: 75 Resp: 54601

Ion Ratio Lower Upper

75 100

155 87.1 62.7 94.1

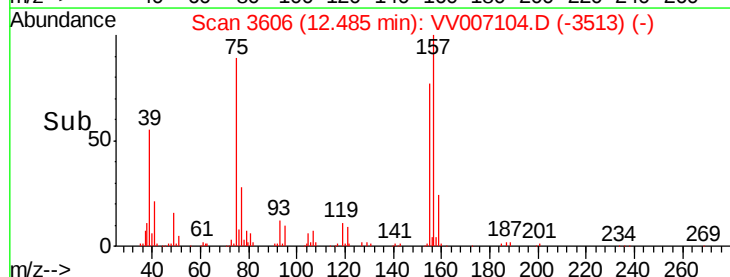
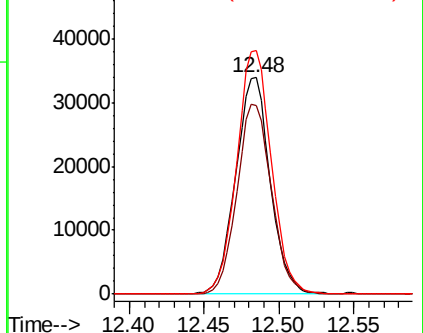
157 112.5 79.7 119.5

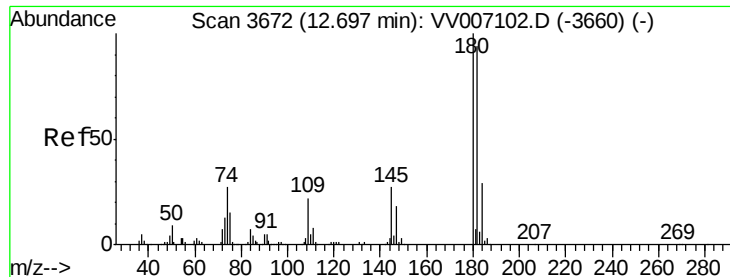


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

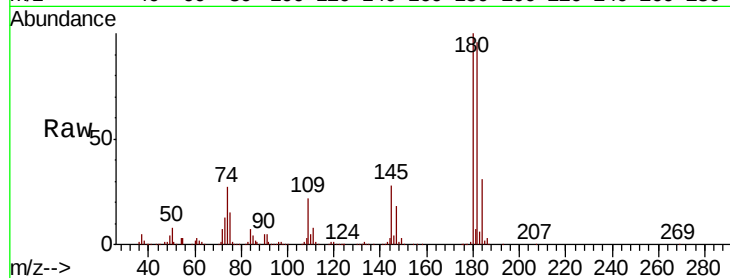




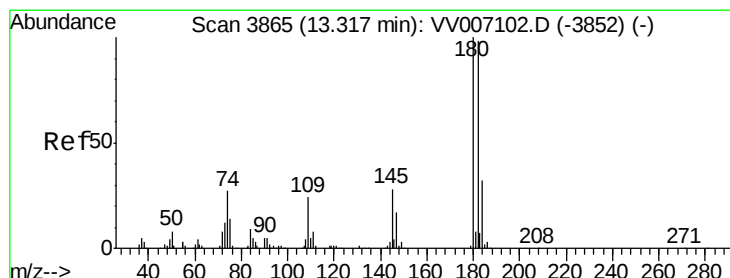
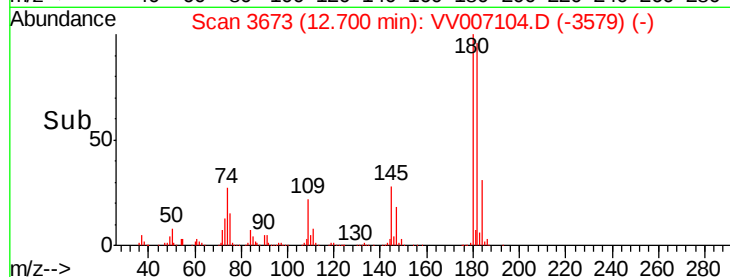
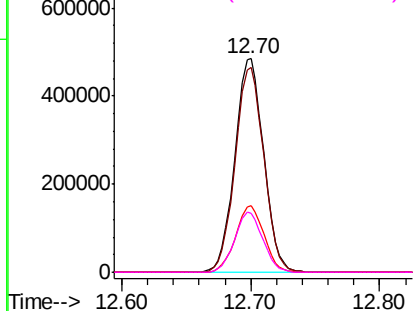
#67
 1,3,5-Trichlorobenzene
 Concen: 19.633 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007104.D
 Acq: 21 Aug 2018 16:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02073

Tgt Ion:	180	Resp:	751577
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
184	30.7	24.4	36.6
145	27.6	22.2	33.2

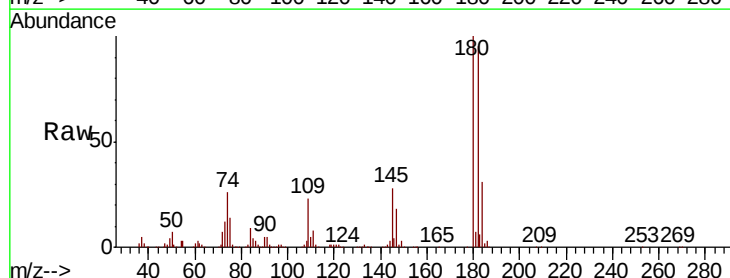


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

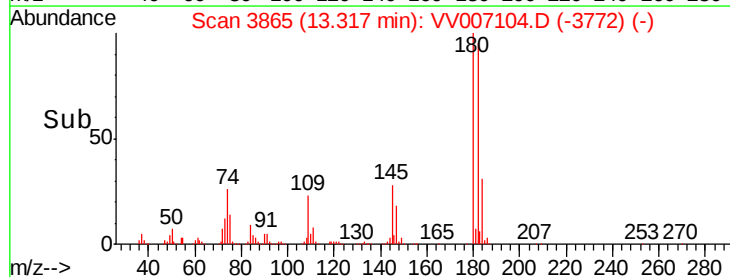
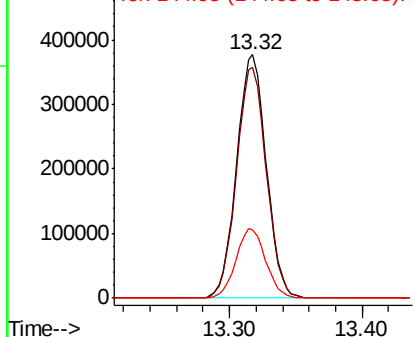


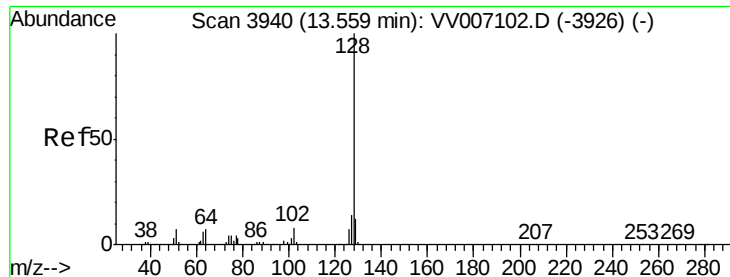
#68
 1,2,4-trichlorobenzene
 Concen: 21.036 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV007104.D
 Acq: 21 Aug 2018 16:34

Tgt Ion:	180	Resp:	584829
Ion	Ratio	Lower	Upper
180	100		
182	95.3	78.4	117.6
145	28.6	22.9	34.3



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





#69

Naphthalene

Concen: 21.289 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02073

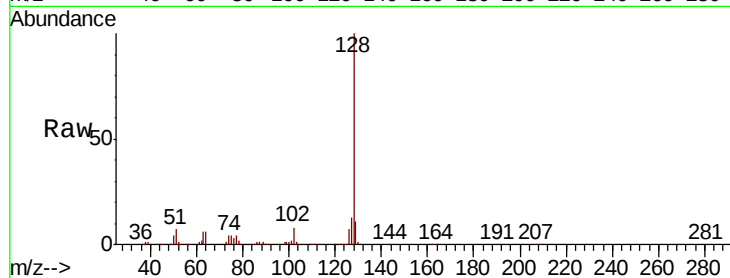
Tgt Ion:128 Resp: 842642

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

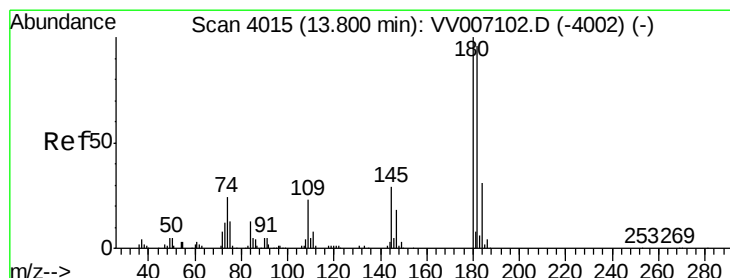
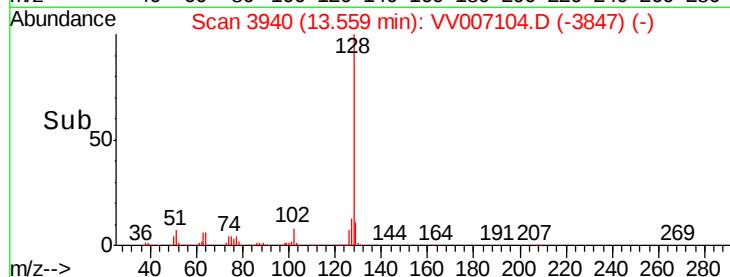
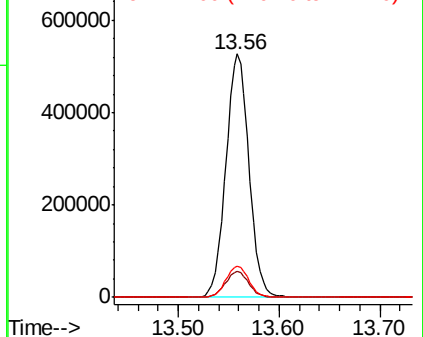
127 13.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 20.870 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007104.D

Acq: 21 Aug 2018 16:34

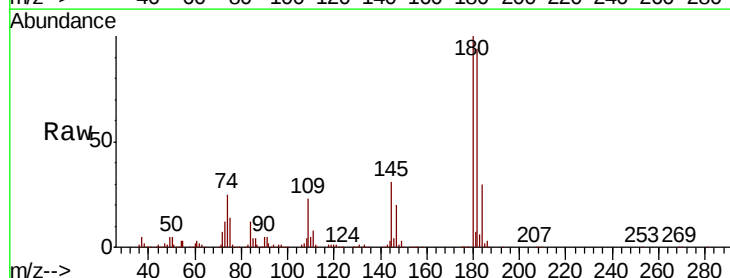
Tgt Ion:180 Resp: 563610

Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.2

145 30.7 23.8 35.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

