

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071918\
 Data File : VV006641.D
 Acq On : 19 Jul 2018 13:57
 Operator : SY/MD
 Sample : VSTD01067
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

Quant Time: Jul 20 04:44:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 20 04:43:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	266099	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	247484	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	122075	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	196472	10.52	ug/L	0.00
7) Chloroethane-d5	1.58	69	131231	10.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	375451	10.46	ug/L	0.00
20) 2-Butanone-d5	3.95	46	434634	107.16	ug/L	0.00
24) Chloroform-d	4.41	84	335161	10.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	157357	10.60	ug/L	0.00
32) Benzene-d6	5.10	84	710854	10.58	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	216305	10.37	ug/L	0.00
41) Toluene-d8	7.36	98	668726	10.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	79275	11.21	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	400912	113.69	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	160077	10.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	230577	10.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	191909	8.947 ug/L	# 83
3) Chloromethane	1.26	50	220870	10.322 ug/L	99
5) Vinyl chloride	1.32	62	284403	10.291 ug/L	98
6) Bromomethane	1.53	94	60889	7.771 ug/L	99
8) Chloroethane	1.59	64	160386	10.102 ug/L	98
9) Trichlorofluoromethane	1.77	101	342535	10.328 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	215187	10.351 ug/L	99
12) 1,1-Dichloroethene	2.14	96	203288	10.319 ug/L	98
13) Acetone	2.20	43	314639	101.151 ug/L	98
14) Carbon disulfide	2.32	76	657276	10.289 ug/L	100
15) Methyl Acetate	2.47	43	93198	10.212 ug/L	97
16) Methylene chloride	2.54	84	219328	8.850 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	506878	10.423 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	221498	10.201 ug/L	98
19) 1,1-Dichloroethane	3.23	63	396305	10.338 ug/L	100
21) 2-Butanone	4.04	43	545866	104.773 ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	238171	10.477 ug/L	100
23) Bromochloromethane	4.30	128	96578	10.434 ug/L	98
25) Chloroform	4.44	83	382055	10.343 ug/L	99
27) 1,2-Dichloroethane	5.19	62	224385	10.396 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	322828	10.437 ug/L	99
30) Cyclohexane	4.73	56	369373	10.681 ug/L	99
31) Carbon tetrachloride	4.88	117	278985	10.545 ug/L	99
33) Benzene	5.15	78	903869	10.384 ug/L	100
34) Trichloroethene	5.96	95	226244	10.271 ug/L	98
35) Methylcyclohexane	6.18	83	400021	10.882 ug/L	99
37) 1,2-Dichloropropane	6.23	63	226942	10.219 ug/L	100
38) Bromodichloromethane	6.56	83	260717	10.569 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	320548	10.977 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	1285708	107.099 ug/L	98

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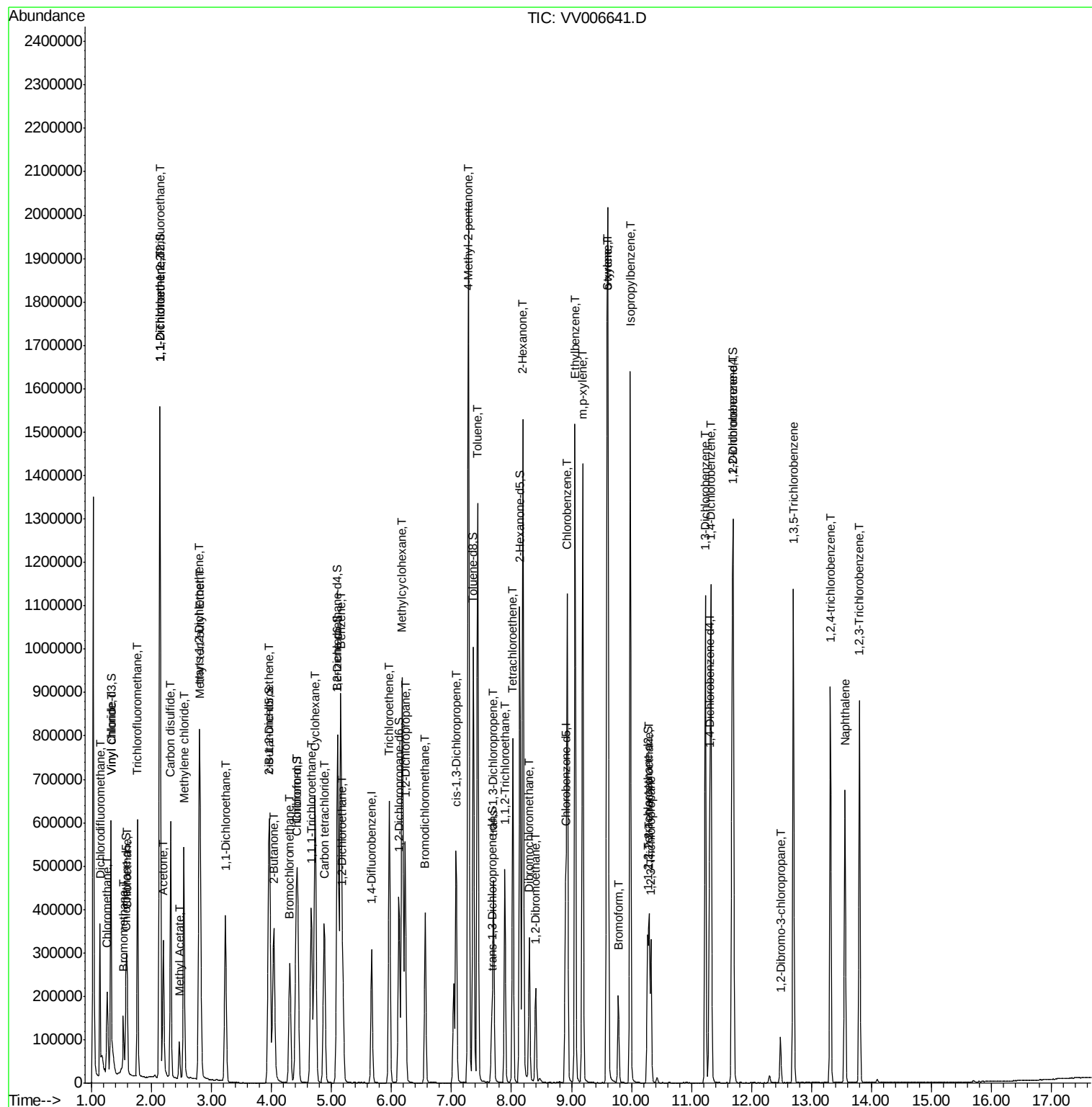
42) Toluene	7.44	91	954661	10.611	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	254777	11.222	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	152768	10.225	ug/L	99
47) Tetrachloroethene	8.02	164	183840	10.392	ug/L	98
48) 2-Hexanone	8.19	43	911694	108.638	ug/L	99
49) Dibromochloromethane	8.30	129	170462	10.768	ug/L	99
50) 1,2-Dibromoethane	8.40	107	141874	10.565	ug/L	99
51) Chlorobenzene	8.93	112	608676	10.411	ug/L	99
52) Ethylbenzene	9.06	91	1047254	10.842	ug/L	100
53) m,p-xylene	9.19	106	408007	11.108	ug/L	97
54) o-xylene	9.59	106	394473	11.009	ug/L	98
55) Styrene	9.61	104	672998	11.219	ug/L	99
56) Isopropylbenzene	9.98	105	1040785	11.071	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	186842	10.427	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	134075	10.239	ug/L	100
61) Bromoform	9.78	173	88458	10.485	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	458390	10.308	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	464640	10.285	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	438951	10.297	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	25807	10.201	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	357553	10.404	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	287563	10.548	ug/L	99
69) Naphthalene	13.56	128	528427	11.196	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	270215	10.521	ug/L	100

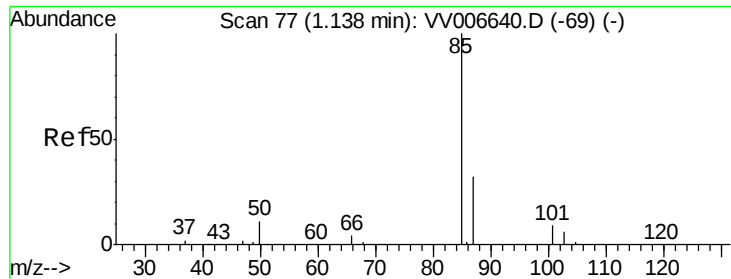
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 8.947 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

Instrument :

MSVOA_V

ClientSampleId :

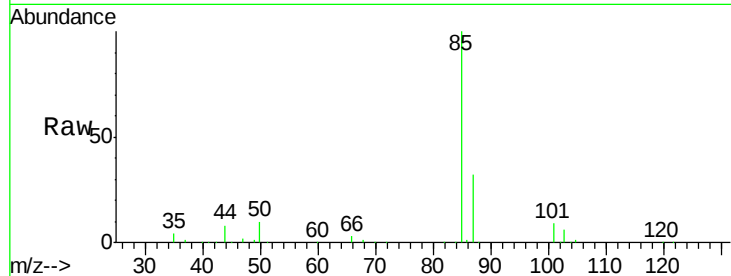
VSTD01067

Tgt Ion: 85 Resp: 191909

Ion Ratio Lower Upper

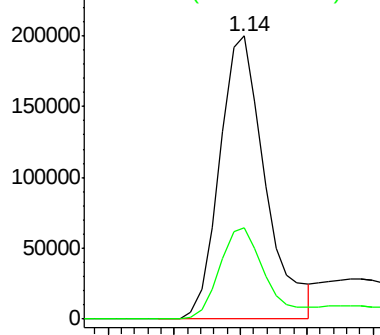
85 100

87 32.5 19.4 29.2#

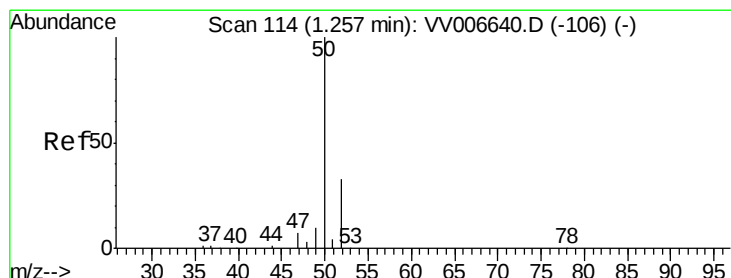
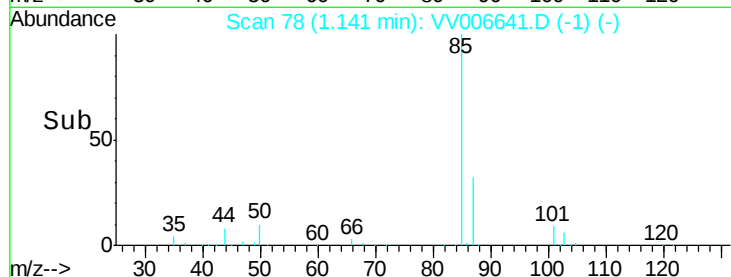


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 10.322 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV006641.D

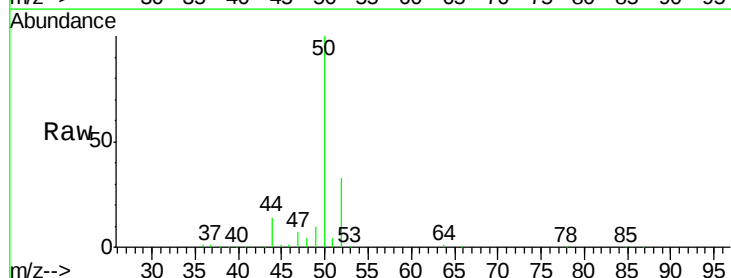
Acq: 19 Jul 2018 13:57

Tgt Ion: 50 Resp: 220870

Ion Ratio Lower Upper

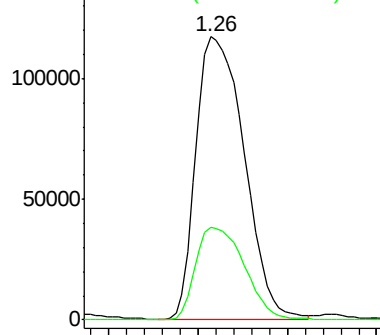
50 100

52 32.8 23.2 43.0

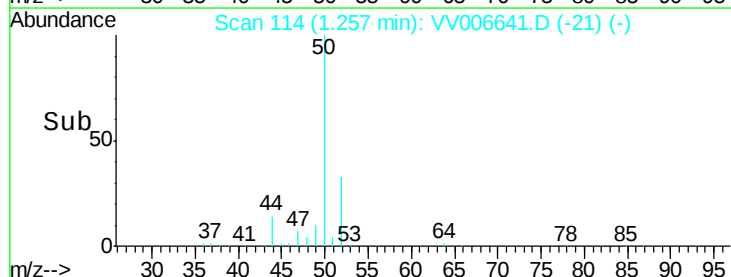


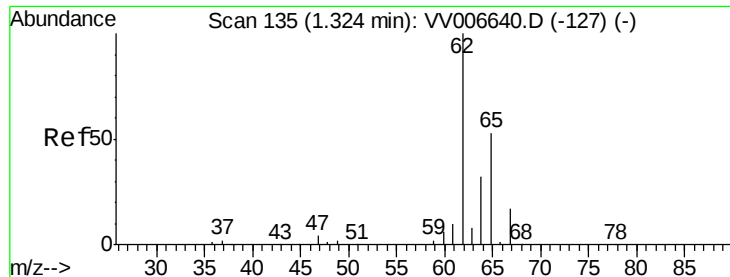
Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



Time-->





#5

Vinyl chloride

Concen: 10.291 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

Instrument :

MSVOA_V

ClientSampleId :

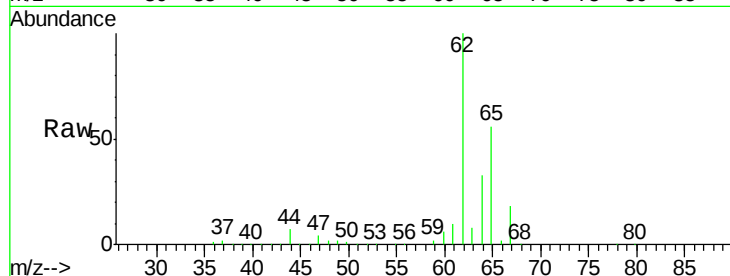
VSTD01067

Tgt Ion: 62 Resp: 284403

Ion Ratio Lower Upper

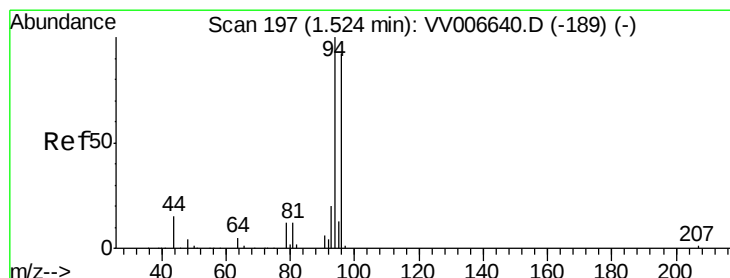
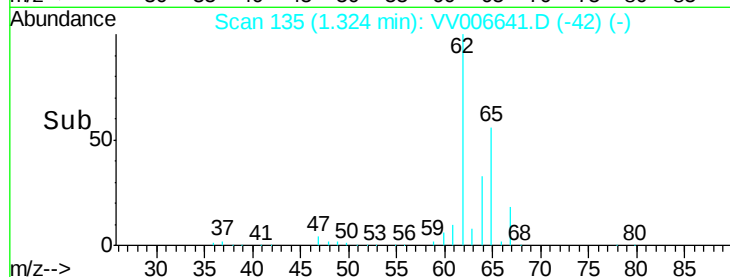
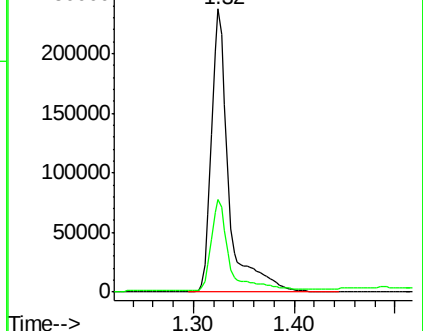
62 100

64 32.9 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 7.771 ug/L

RT: 1.53 min Scan# 199

Delta R.T. 0.01 min

Lab File: VV006641.D

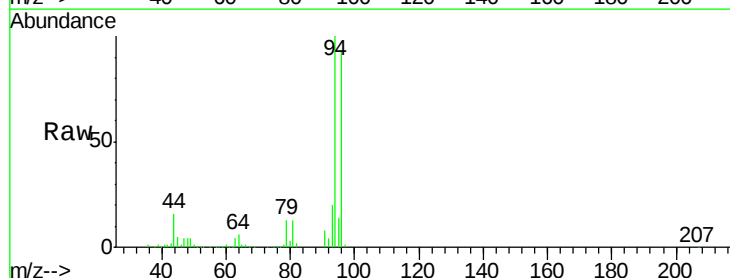
Acq: 19 Jul 2018 13:57

Tgt Ion: 94 Resp: 60889

Ion Ratio Lower Upper

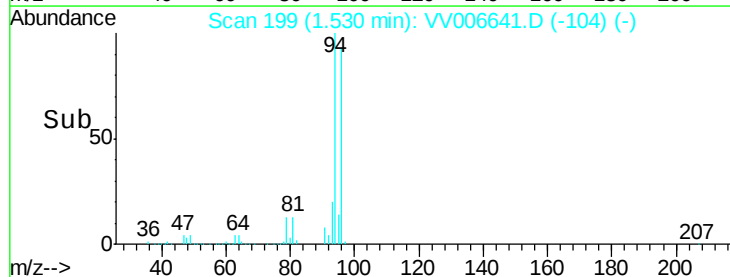
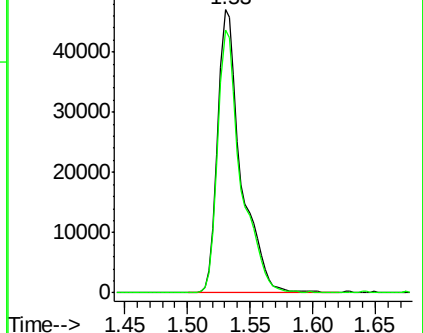
94 100

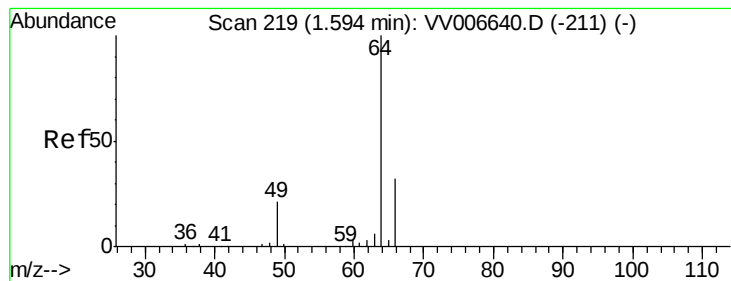
96 92.8 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 10.102 ug/L

RT: 1.59 min Scan# 219

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

Instrument :

MSVOA_V

ClientSampleId :

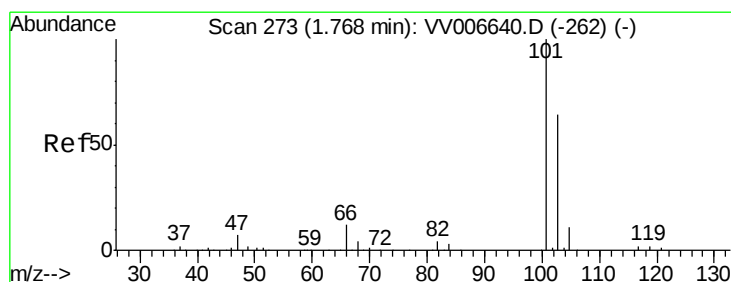
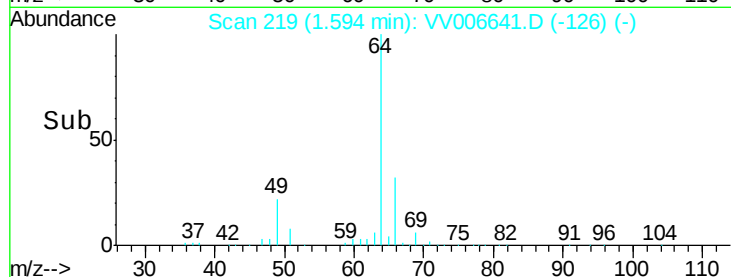
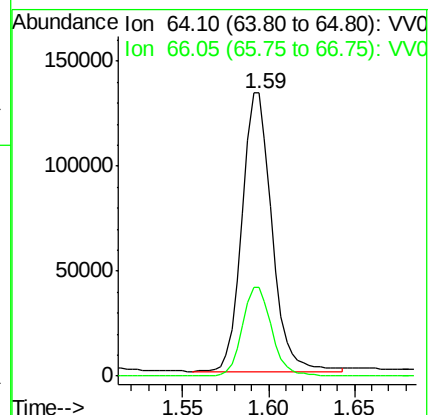
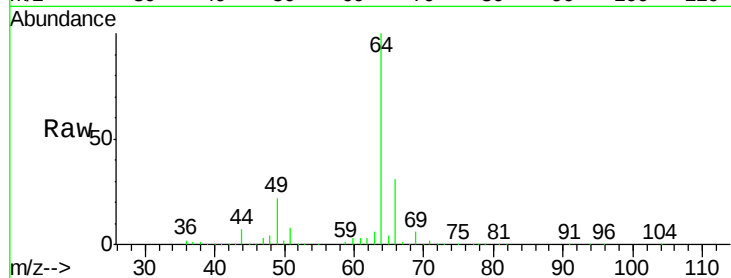
VSTD01067

Tgt Ion: 64 Resp: 160386

Ion Ratio Lower Upper

64 100

66 31.5 21.1 39.3



#9

Trichlorofluoromethane

Concen: 10.328 ug/L

RT: 1.77 min Scan# 273

Delta R.T. -0.00 min

Lab File: VV006641.D

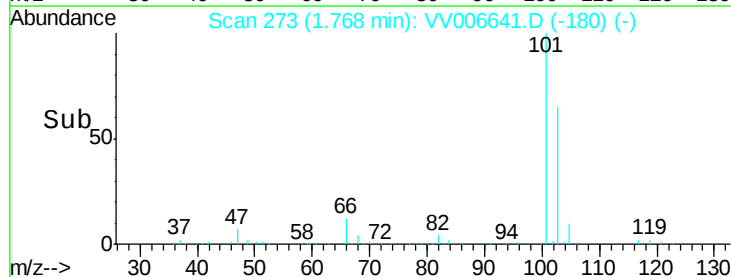
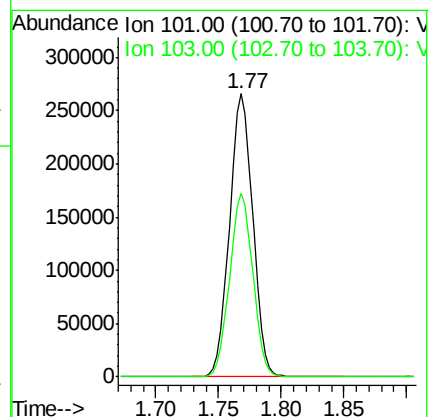
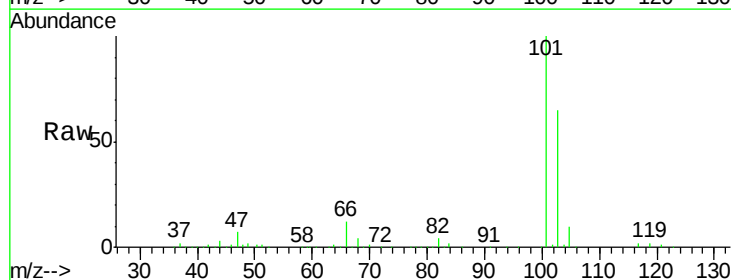
Acq: 19 Jul 2018 13:57

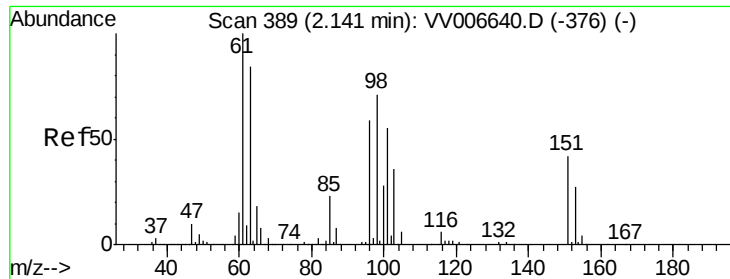
Tgt Ion: 101 Resp: 342535

Ion Ratio Lower Upper

101 100

103 64.8 51.1 76.7





#10

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

Concen: 10.351 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

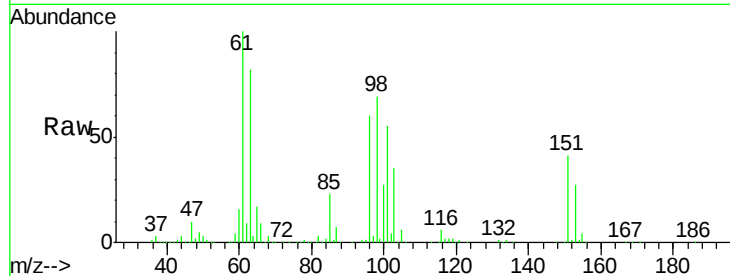
Tgt Ion: 101 Resp: 215187

Ion Ratio Lower Upper

101 100

85 41.9 33.7 50.5

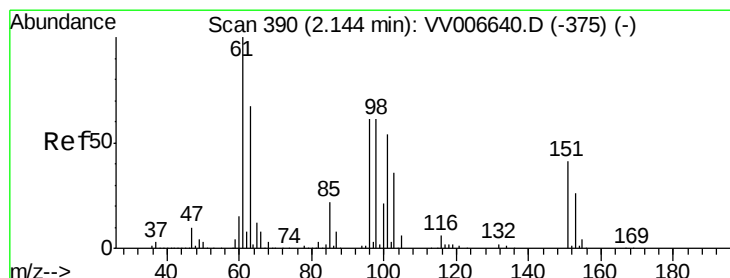
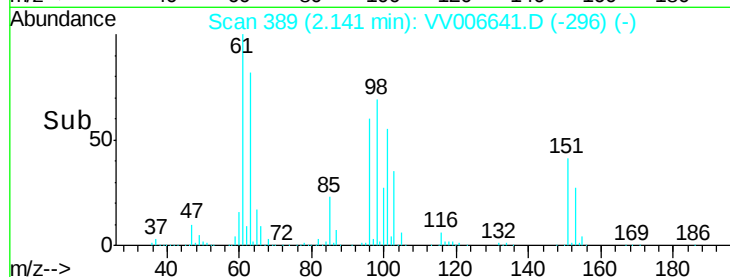
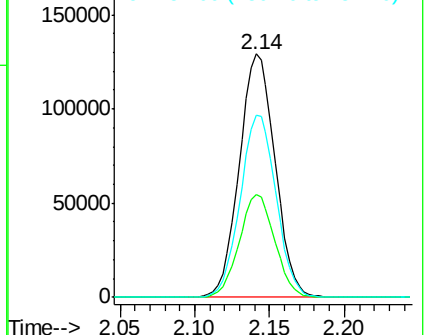
151 75.1 61.0 91.6



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: 10.319 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

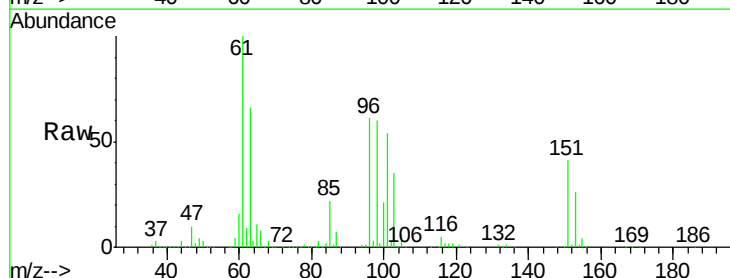
Tgt Ion: 96 Resp: 203288

Ion Ratio Lower Upper

96 100

61 162.7 115.1 213.8

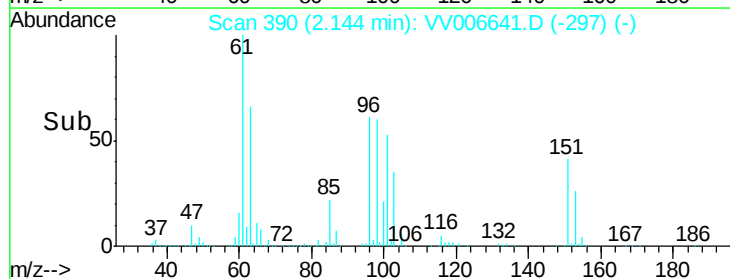
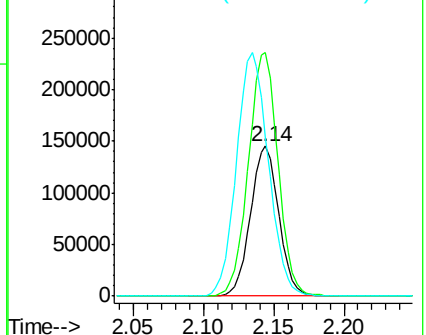
63 106.8 77.2 143.4

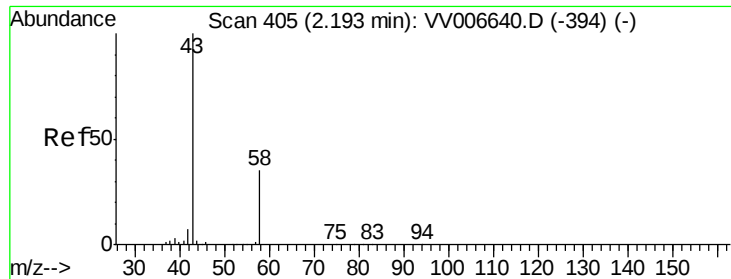


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

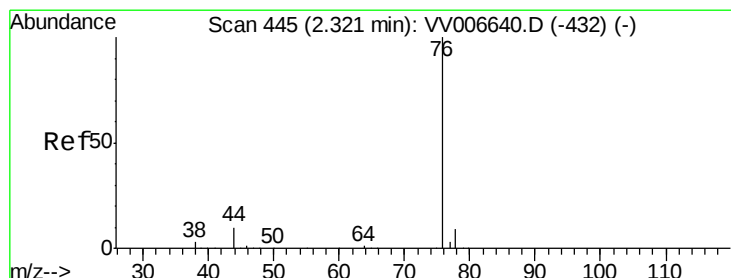
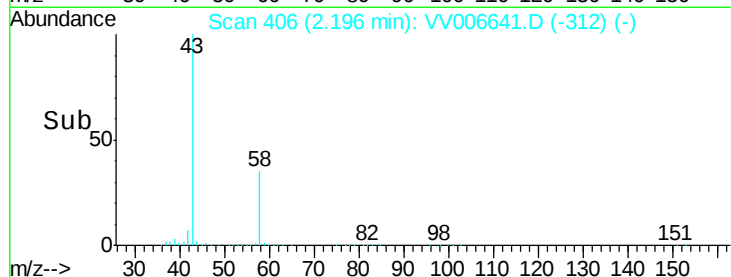
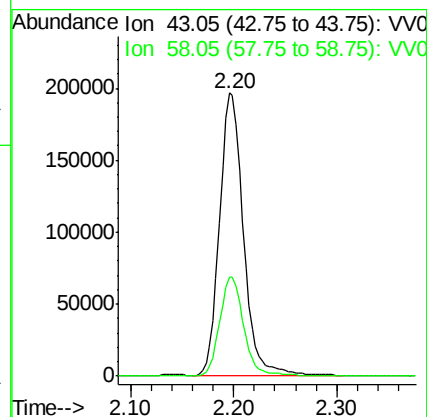
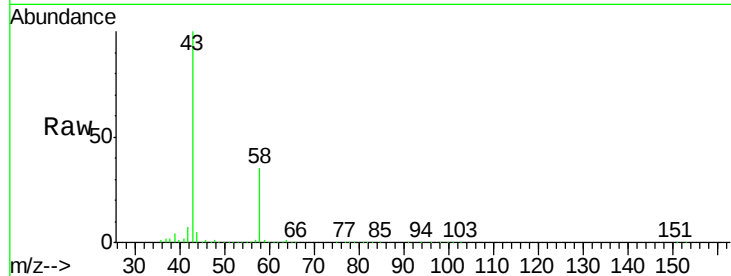




#13
Acetone
Concen: 101.151 ug/L
RT: 2.20 min Scan# 406
Delta R.T. 0.00 min
Lab File: VV006641.D
Acq: 19 Jul 2018 13:57

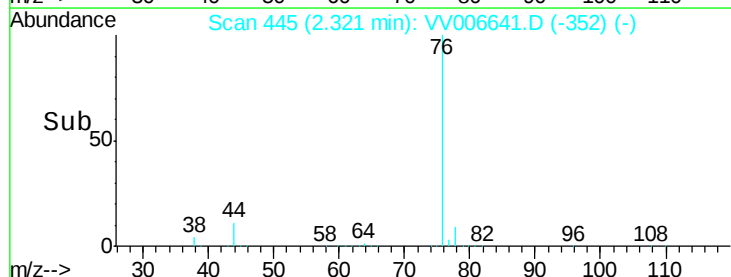
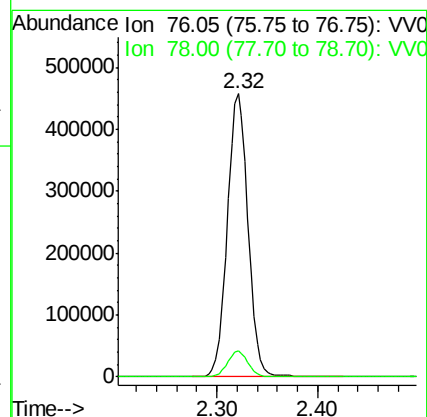
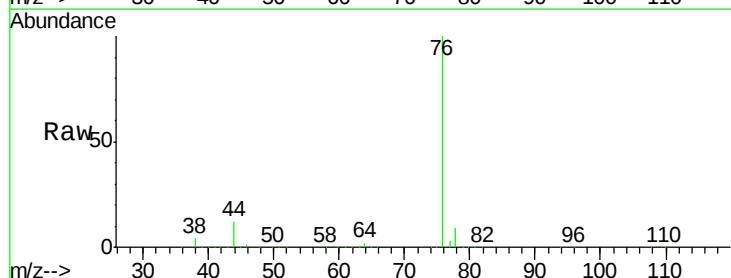
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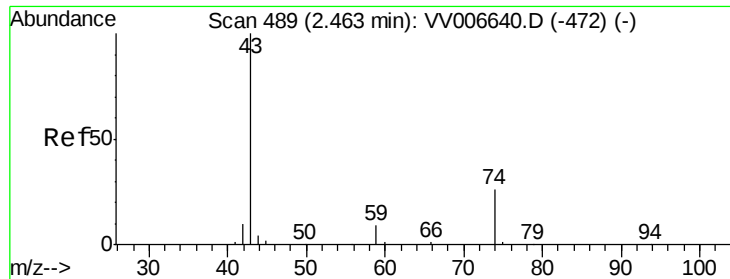
Tgt Ion: 43 Resp: 314639
Ion Ratio Lower Upper
43 100
58 35.0 0.0 72.8



#14
Carbon disulfide
Concen: 10.289 ug/L
RT: 2.32 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV006641.D
Acq: 19 Jul 2018 13:57

Tgt Ion: 76 Resp: 657276
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 10.212 ug/L

RT: 2.47 min Scan# 490

Delta R.T. 0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

Instrument :

MSVOA_V

ClientSampleId :

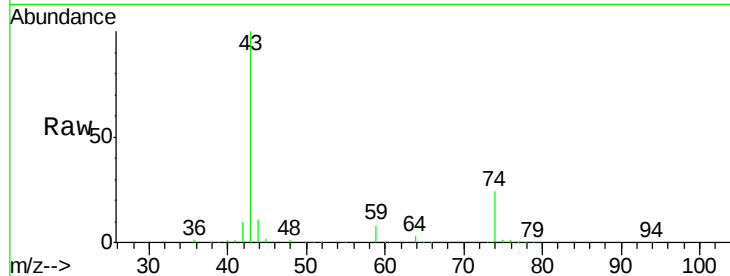
VSTD01067

Tgt Ion: 43 Resp: 93198

Ion Ratio Lower Upper

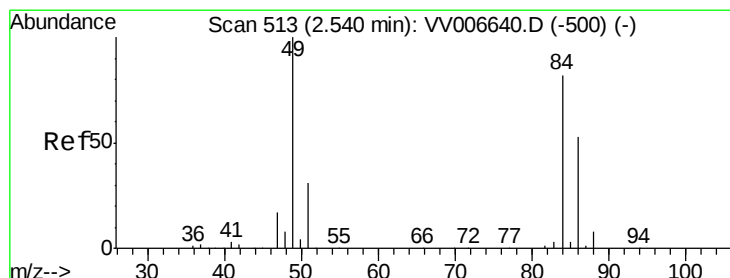
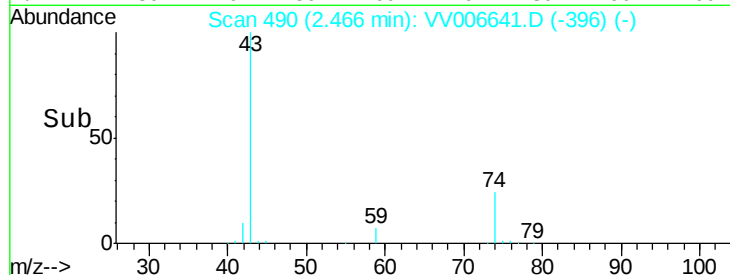
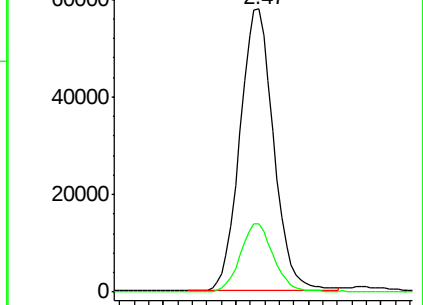
43 100

74 23.9 20.3 30.5



Abundance Ion 43.05 (42.75 to 43.75): VV006641.D (-396) (-)

Ion 74.05 (73.75 to 74.75): VV006641.D (-396) (-)



#16

Methylene chloride

Concen: 8.850 ug/L

RT: 2.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

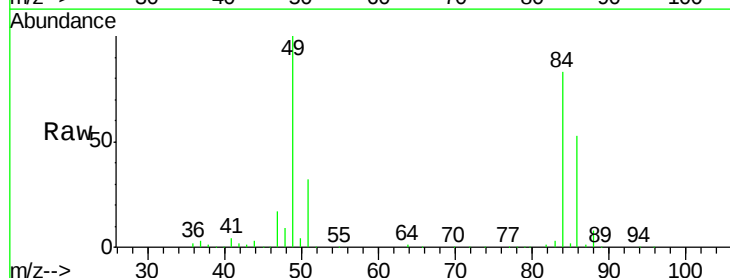
Tgt Ion: 84 Resp: 219328

Ion Ratio Lower Upper

84 100

86 63.5 45.4 84.2

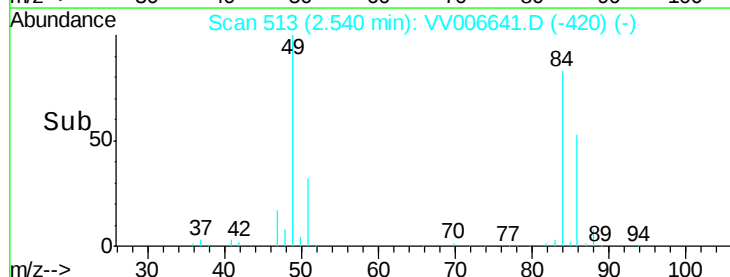
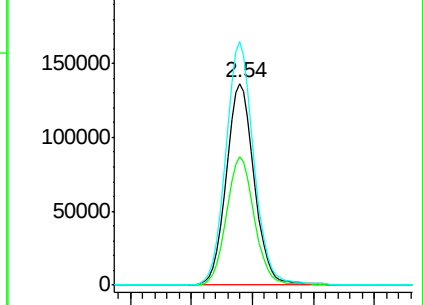
49 120.6 85.1 158.1

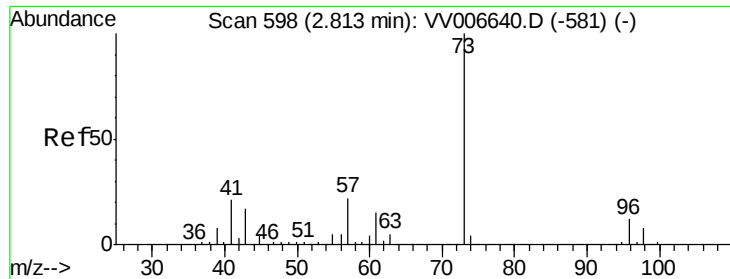


Abundance Ion 84.05 (83.75 to 84.75): VV006641.D (-420) (-)

Ion 86.00 (85.70 to 86.70): VV006641.D (-420) (-)

Ion 49.10 (48.80 to 49.80): VV006641.D (-420) (-)





#17

Methyl tert-butyl Ether

Concen: 10.423 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

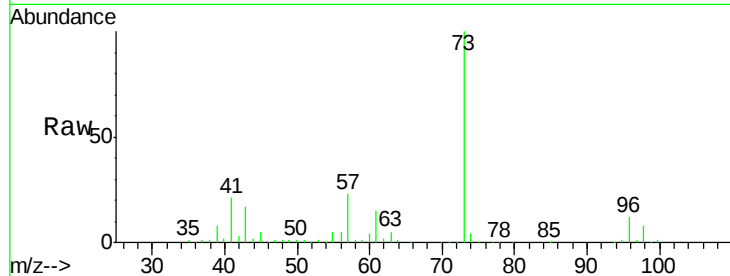
Tgt Ion: 73 Resp: 506878

Ion Ratio Lower Upper

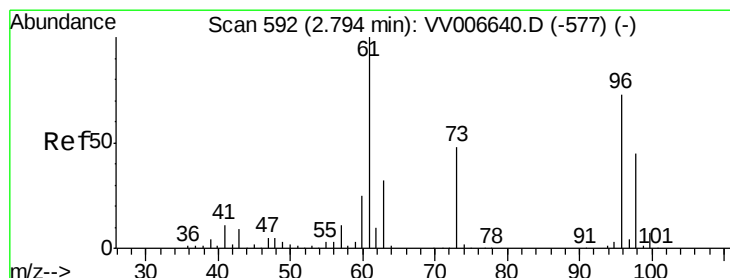
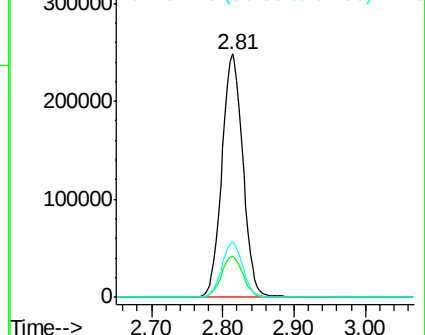
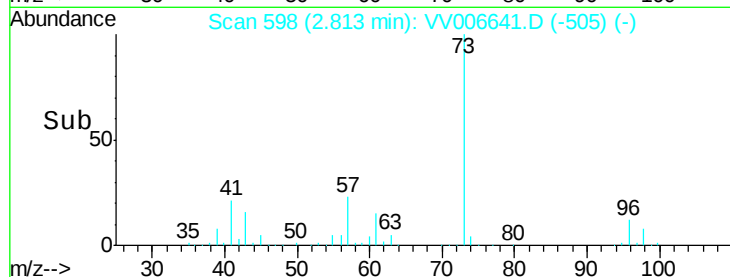
73 100

43 17.1 13.9 20.9

57 22.7 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV006641.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 10.201 ug/L

RT: 2.79 min Scan# 592

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

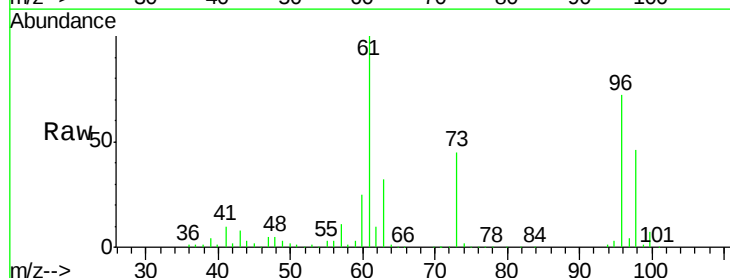
Tgt Ion: 96 Resp: 221498

Ion Ratio Lower Upper

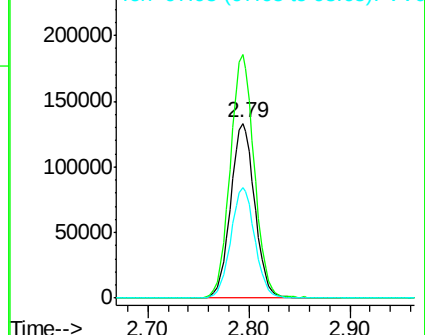
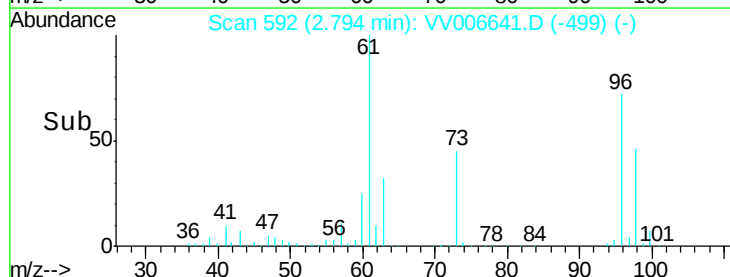
96 100

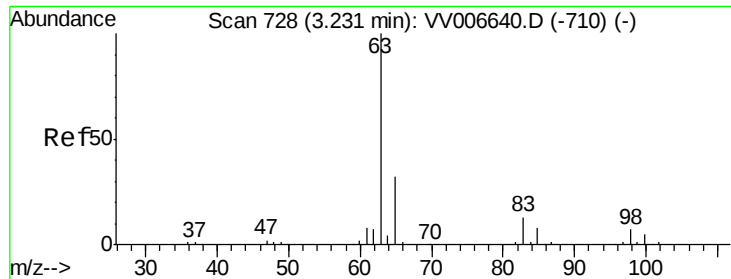
61 139.1 96.0 178.4

98 63.4 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VV006641.D (-499) (-)

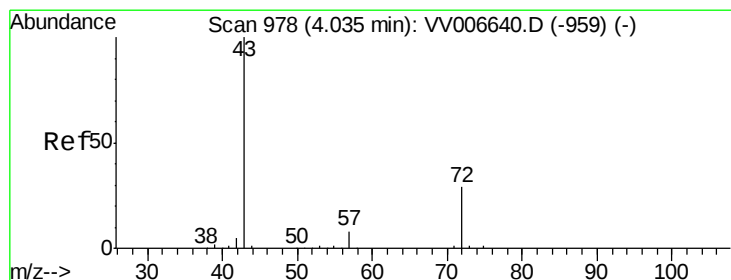
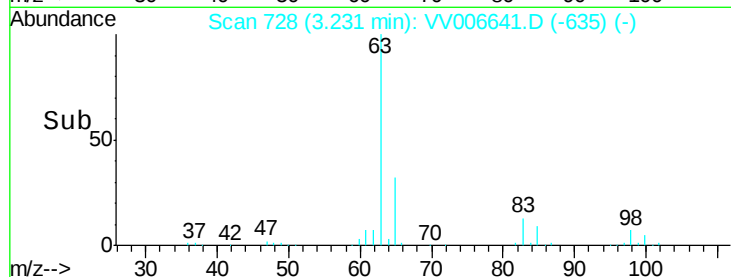
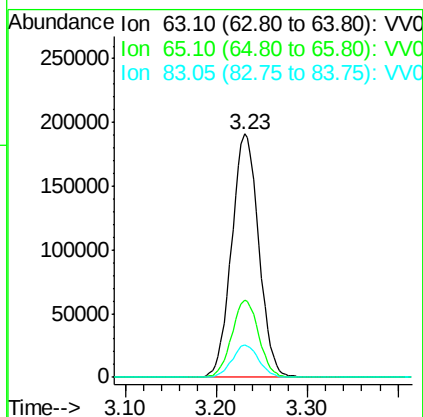
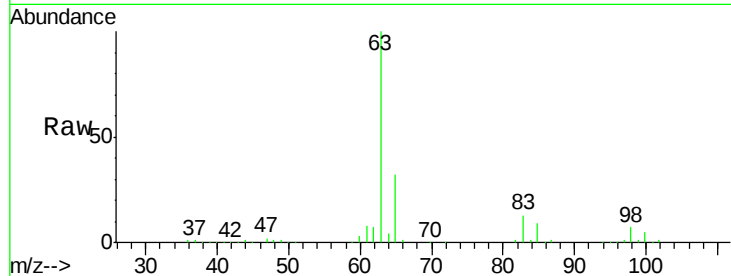




#19
 1,1-Dichloroethane
 Concen: 10.338 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VV006641.D
 Acq: 19 Jul 2018 13:57

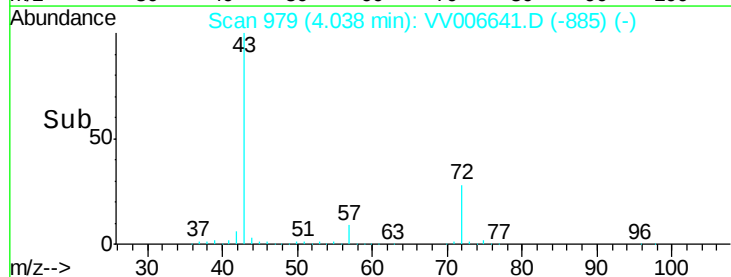
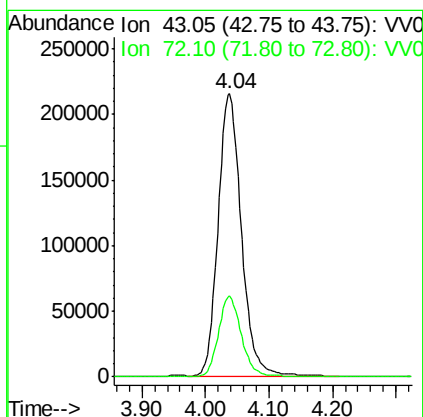
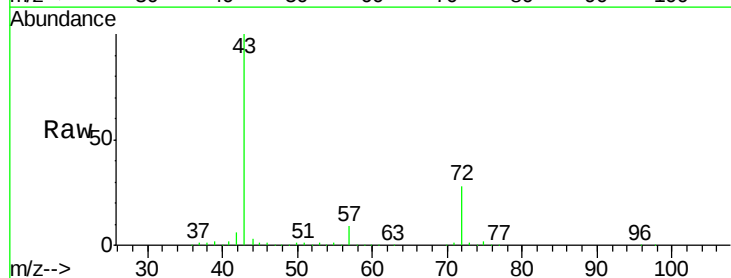
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

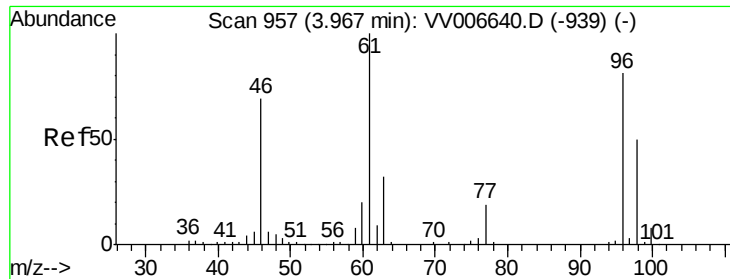
Tgt Ion: 63 Resp: 396305
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.1 41.1
 83 13.2 9.2 17.0



#21
 2-Butanone
 Concen: 104.773 ug/L
 RT: 4.04 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: VV006641.D
 Acq: 19 Jul 2018 13:57

Tgt Ion: 43 Resp: 545866
 Ion Ratio Lower Upper
 43 100
 72 27.6 13.9 41.6



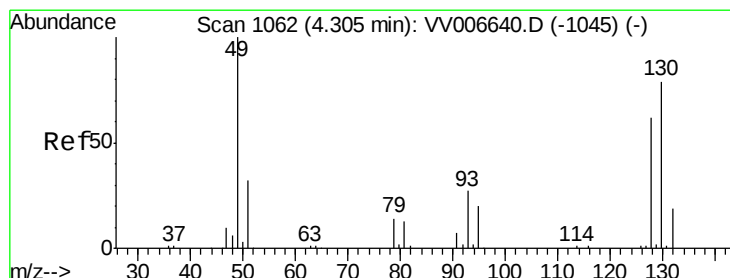
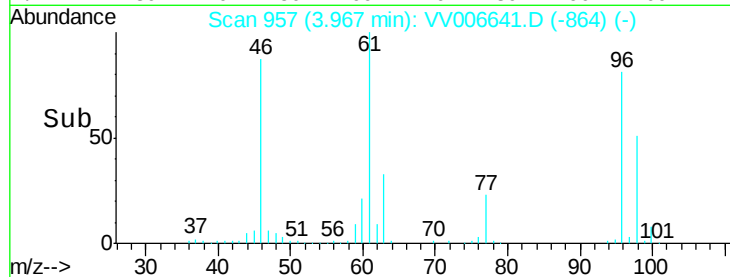
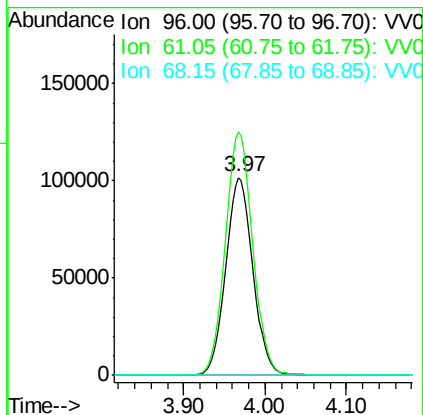
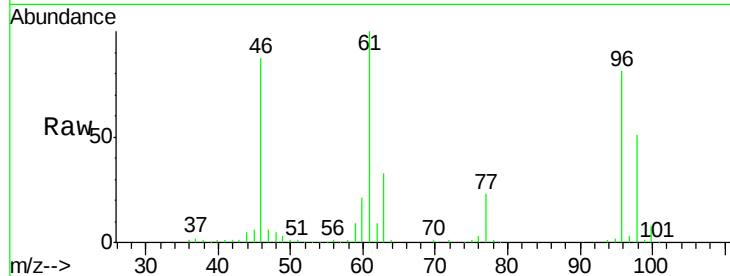


#22

cis-1,2-Dichloroethene
Concen: 10.477 ug/L
RT: 3.97 min Scan# 957
Delta R.T. -0.00 min
Lab File: VV006641.D
Acq: 19 Jul 2018 13:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD01067

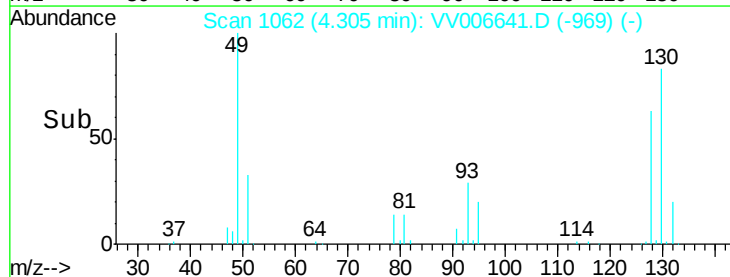
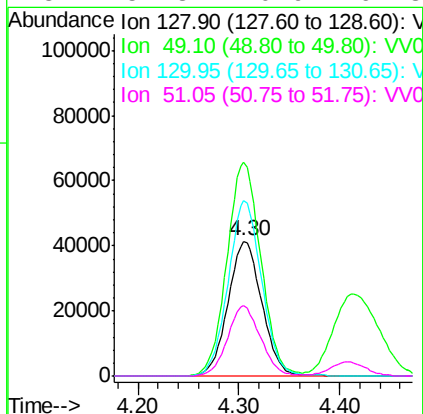
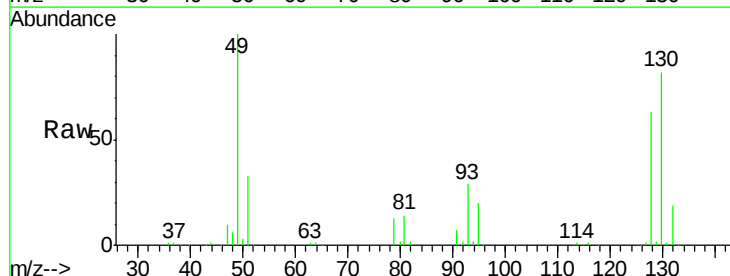
Tgt Ion: 96 Resp: 238171
Ion Ratio Lower Upper
96 100
61 123.2 86.2 160.0
68 0.0 0.0 0.0

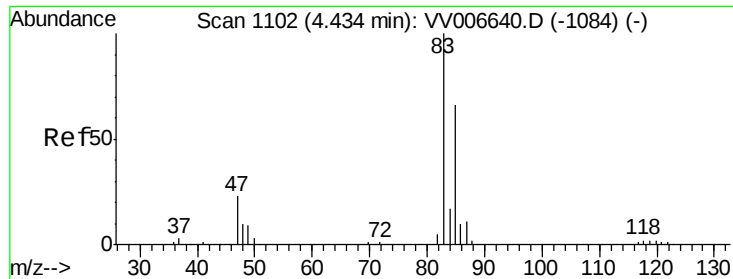


#23

Bromochloromethane
Concen: 10.434 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VV006641.D
Acq: 19 Jul 2018 13:57

Tgt Ion: 128 Resp: 96578
Ion Ratio Lower Upper
128 100
49 158.6 113.0 209.8
130 130.4 89.3 165.9
51 52.3 40.9 61.3

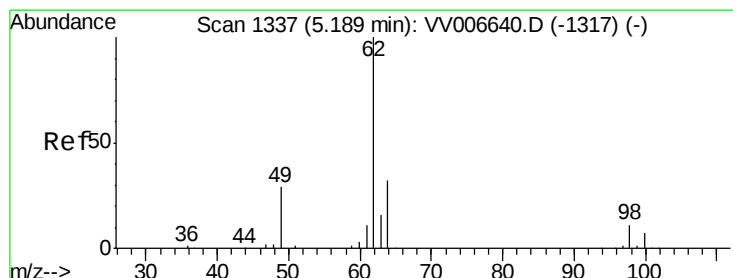
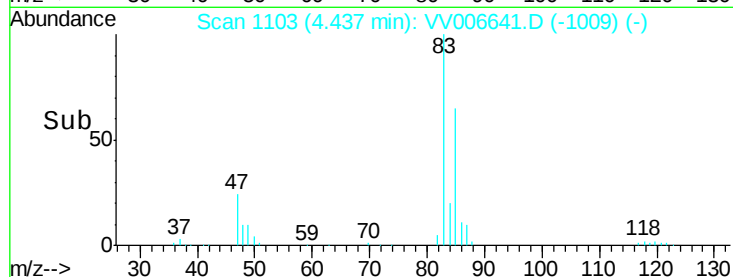
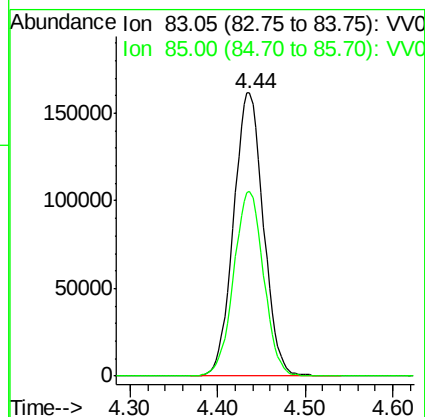
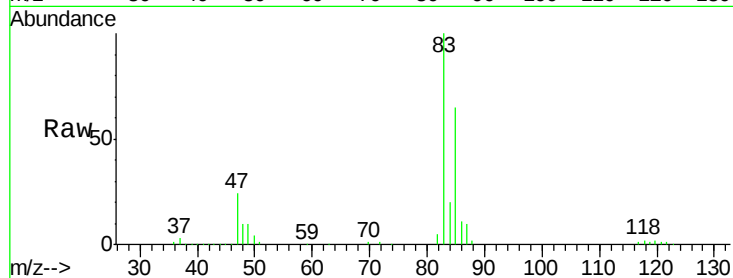




#25
Chloroform
Concen: 10.343 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV006641.D
Acq: 19 Jul 2018 13:57

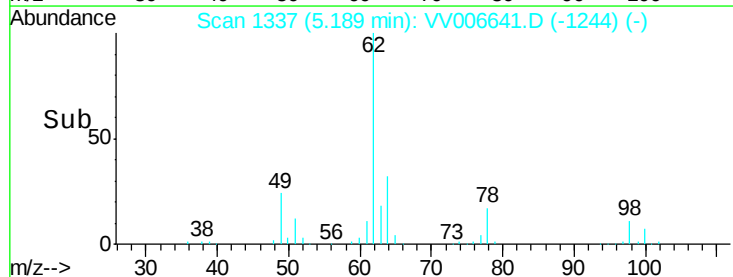
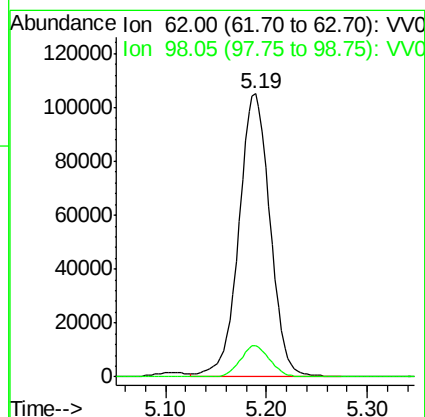
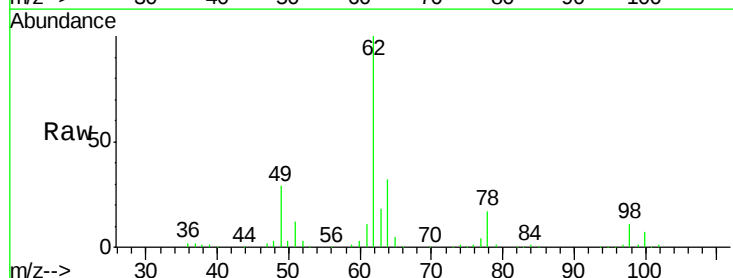
Instrument :
MSVOA_V
ClientSampleId :
VSTD01067

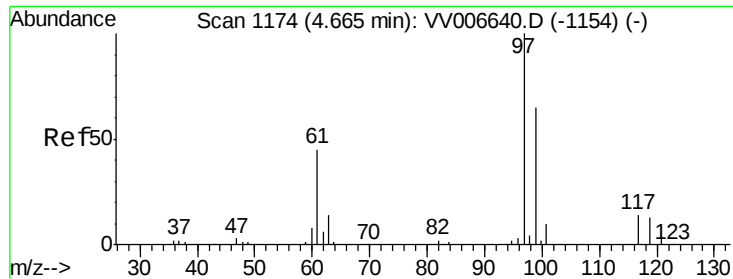
Tgt Ion: 83 Resp: 382055
Ion Ratio Lower Upper
83 100
85 65.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 10.396 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV006641.D
Acq: 19 Jul 2018 13:57

Tgt Ion: 62 Resp: 224385
Ion Ratio Lower Upper
62 100
98 11.0 8.4 12.6

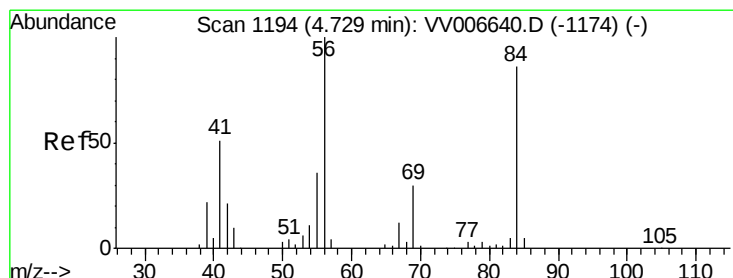
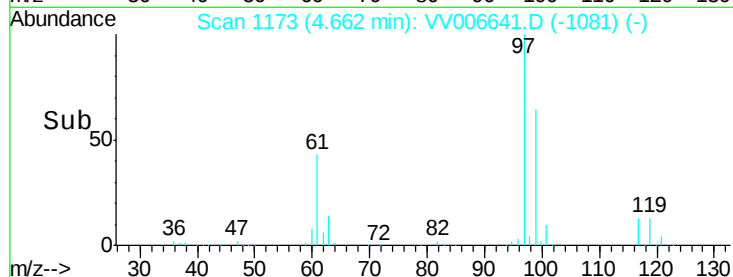
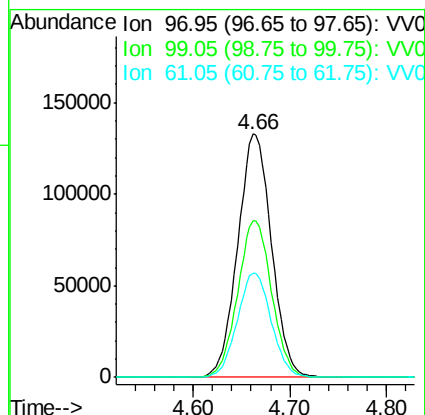
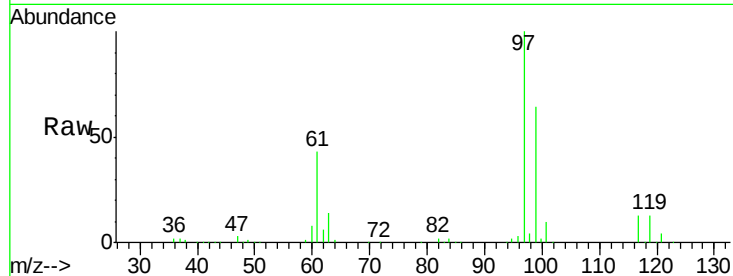




#29
 1,1,1-Trichloroethane
 Concen: 10.437 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VV006641.D
 Acq: 19 Jul 2018 13:57

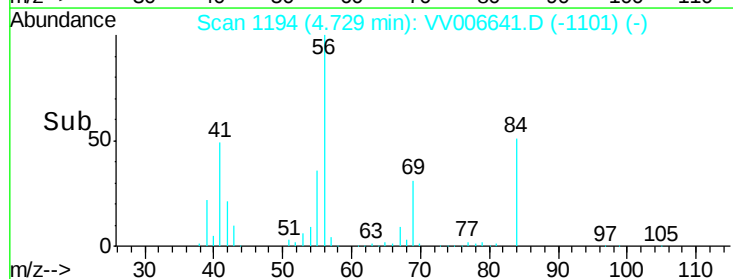
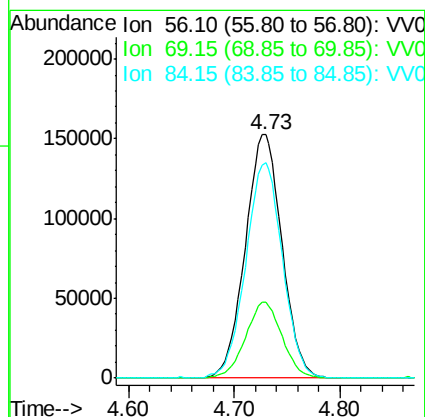
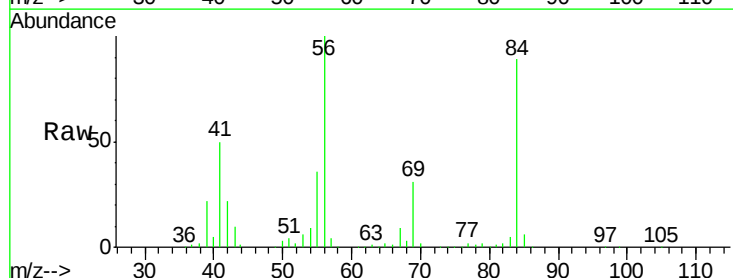
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

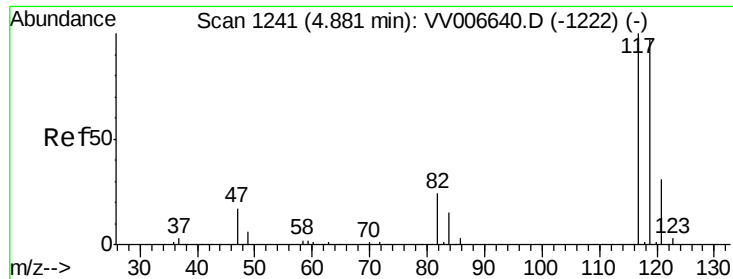
Tgt Ion: 97 Resp: 322828
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.5 77.3
 61 43.2 35.4 53.2



#30
 Cyclohexane
 Concen: 10.681 ug/L
 RT: 4.73 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VV006641.D
 Acq: 19 Jul 2018 13:57

Tgt Ion: 56 Resp: 369373
 Ion Ratio Lower Upper
 56 100
 69 31.1 24.0 36.0
 84 88.9 71.0 106.6





#31

Carbon tetrachloride

Concen: 10.545 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

Instrument :

MSVOA_V

ClientSampleId :

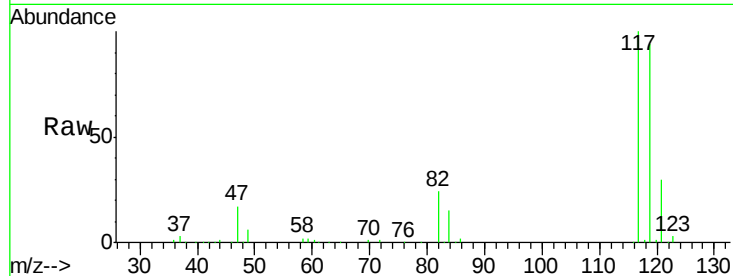
VSTD01067

Tgt Ion:117 Resp: 278985

Ion Ratio Lower Upper

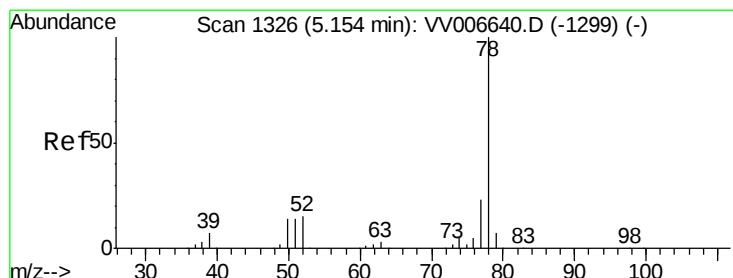
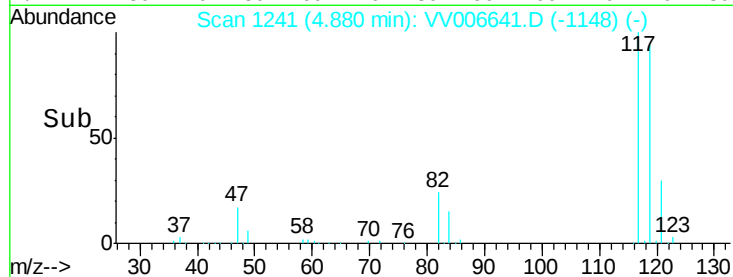
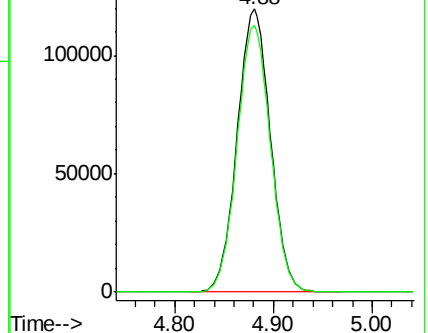
117 100

119 95.0 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.384 ug/L

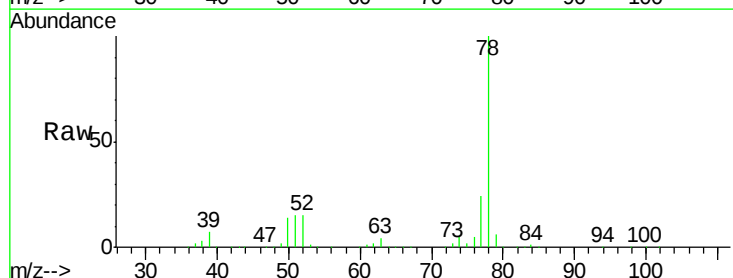
RT: 5.15 min Scan# 1326

Delta R.T. -0.00 min

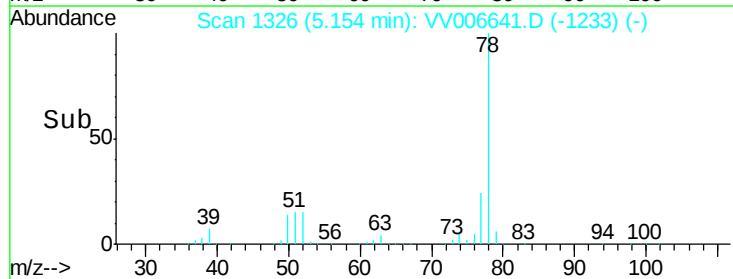
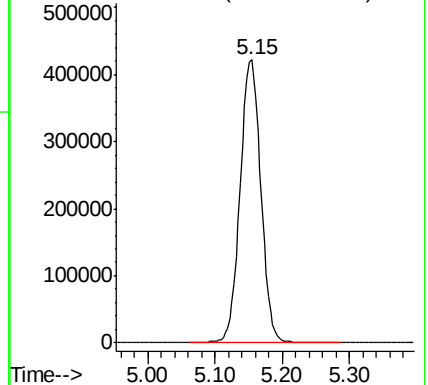
Lab File: VV006641.D

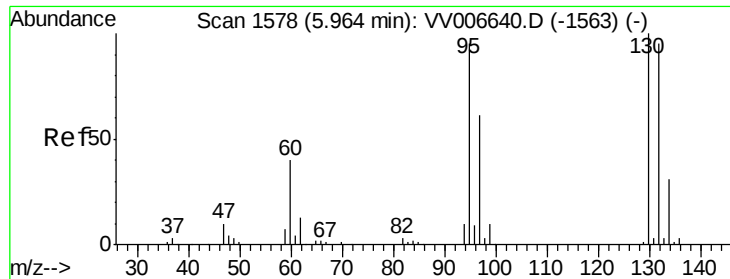
Acq: 19 Jul 2018 13:57

Tgt Ion: 78 Resp: 903869



Abundance Ion 78.10 (77.80 to 78.80): VV0

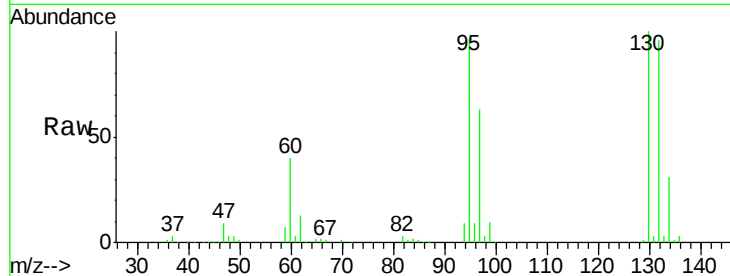




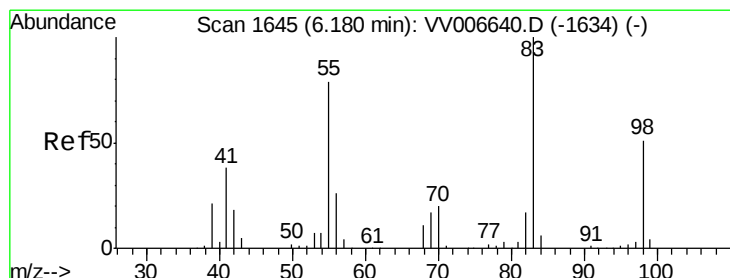
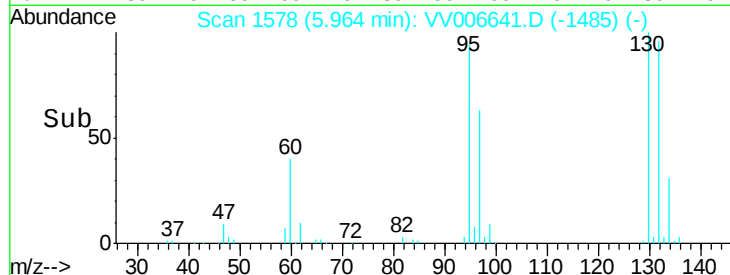
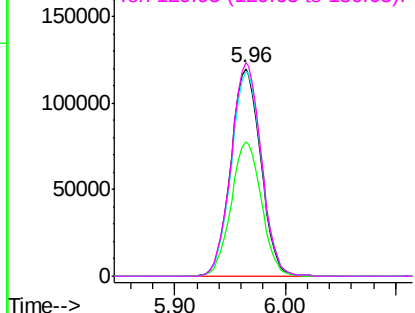
#34
 Trichloroethene
 Concen: 10.271 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VV006641.D
 Acq: 19 Jul 2018 13:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

Tgt Ion: 95 Resp: 226244
 Ion Ratio Lower Upper
 95 100
 97 64.8 45.3 84.1
 132 98.8 70.3 130.7
 130 102.8 73.7 136.9

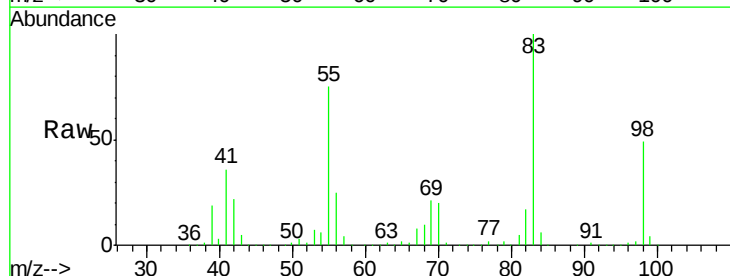


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

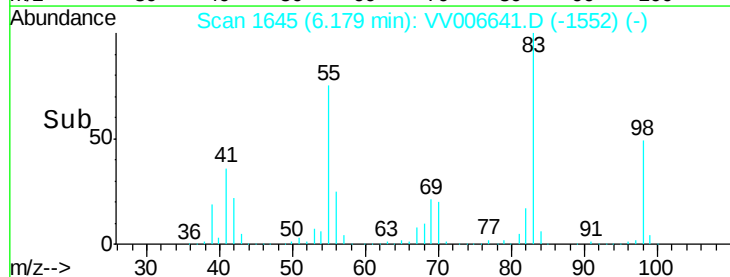
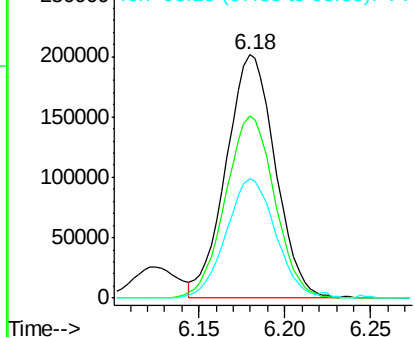


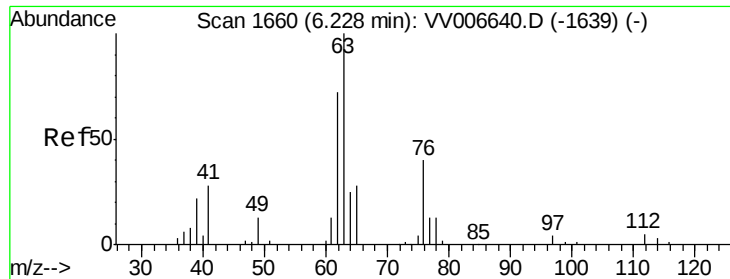
#35
 Methylcyclohexane
 Concen: 10.882 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: VV006641.D
 Acq: 19 Jul 2018 13:57

Tgt Ion: 83 Resp: 400021
 Ion Ratio Lower Upper
 83 100
 55 75.3 61.3 91.9
 98 49.0 39.4 59.0



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

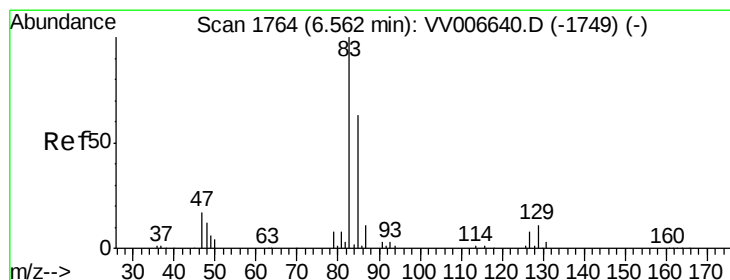
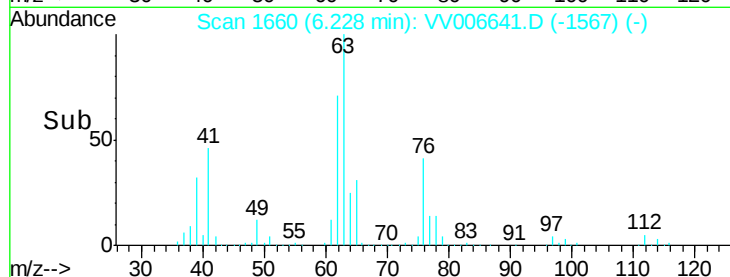
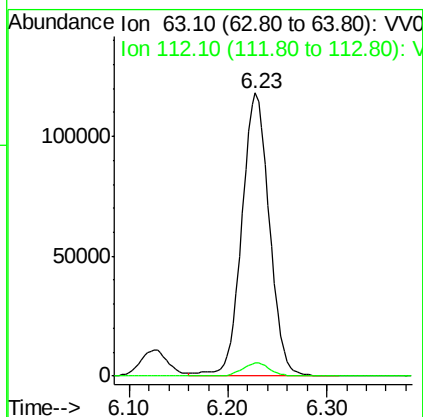
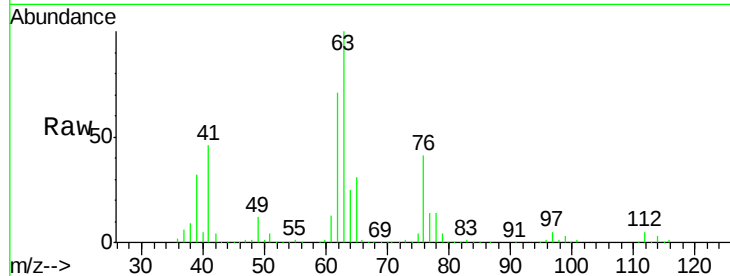




#37
 1,2-Dichloropropane
 Concen: 10.219 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV006641.D
 Acq: 19 Jul 2018 13:57

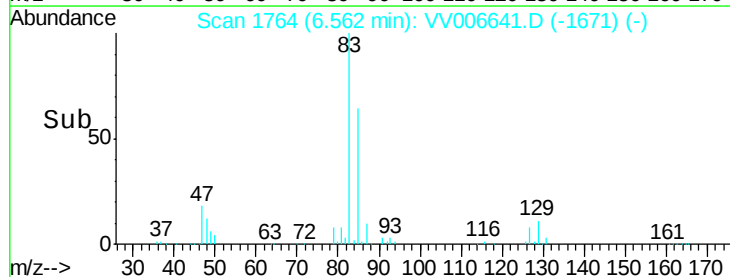
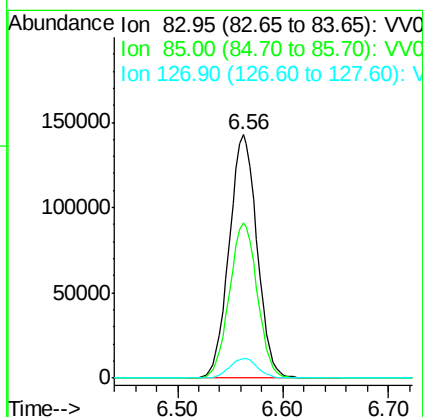
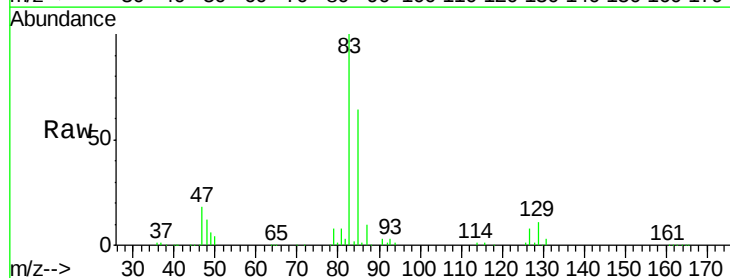
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

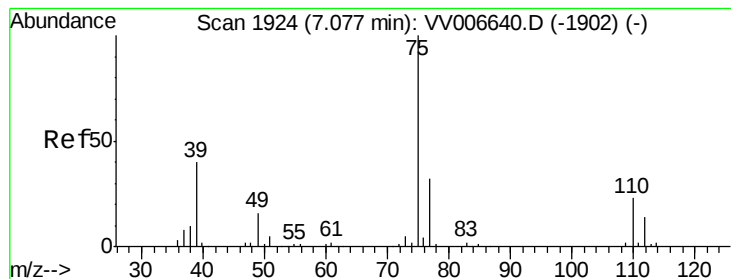
Tgt Ion: 63 Resp: 226942
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.6 5.4



#38
 Bromodichloromethane
 Concen: 10.569 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV006641.D
 Acq: 19 Jul 2018 13:57

Tgt Ion: 83 Resp: 260717
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.3 82.3
 127 8.2 6.5 9.7



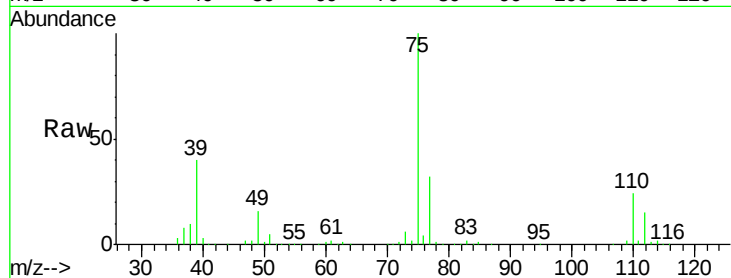


#39

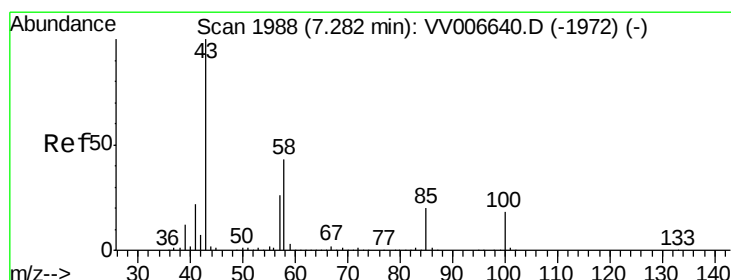
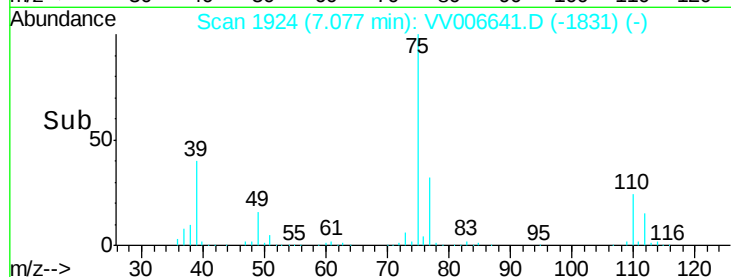
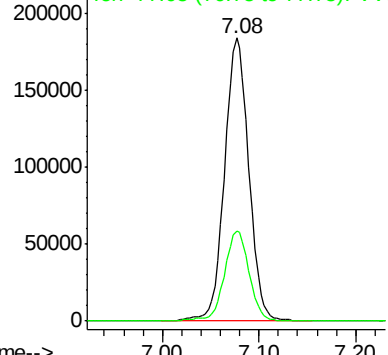
cis-1,3-Dichloropropene
Concen: 10.977 ug/L
RT: 7.08 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VV006641.D
Acq: 19 Jul 2018 13:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD01067

Tgt Ion: 75 Resp: 320548
Ion Ratio Lower Upper
75 100
77 32.0 22.2 41.2



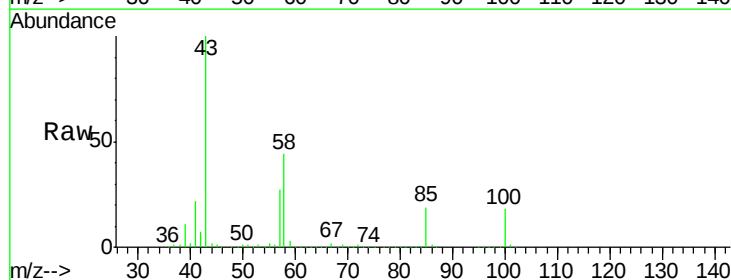
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



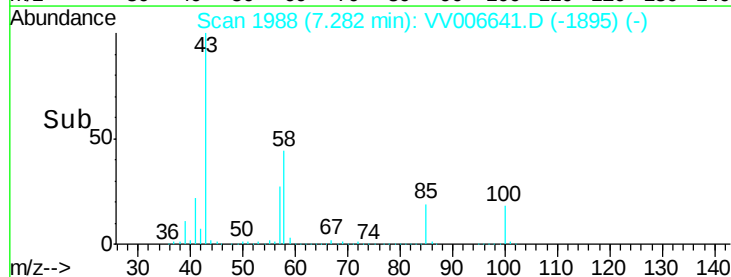
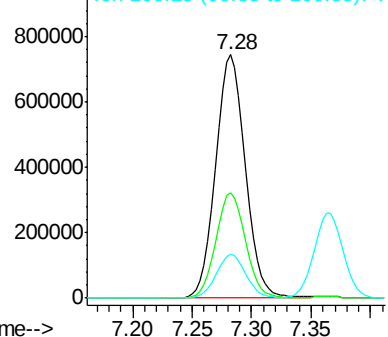
#40

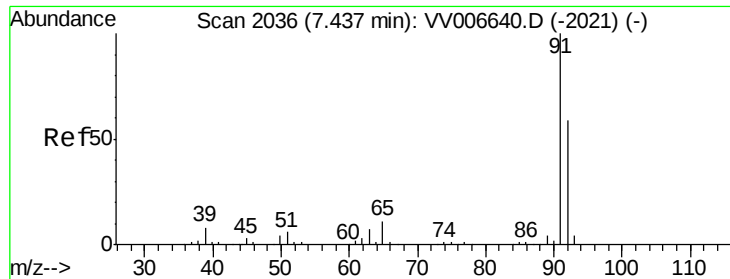
4-Methyl-2-pentanone
Concen: 107.099 ug/L
RT: 7.28 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VV006641.D
Acq: 19 Jul 2018 13:57

Tgt Ion: 43 Resp: 1285708
Ion Ratio Lower Upper
43 100
58 43.2 33.6 50.4
100 17.8 13.8 20.8



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





#42

Toluene

Concen: 10.611 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

Instrument :

MSVOA_V

ClientSampleId :

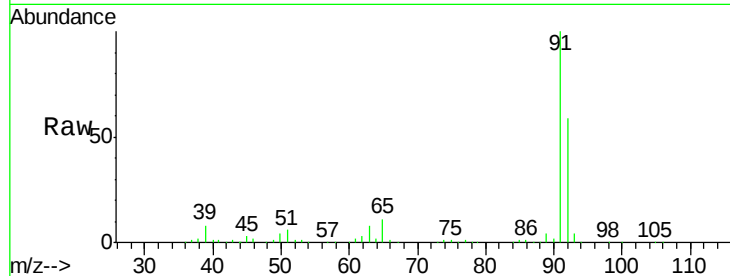
VSTD01067

Tgt Ion: 91 Resp: 954661

Ion Ratio Lower Upper

91 100

92 58.6 41.4 76.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.44

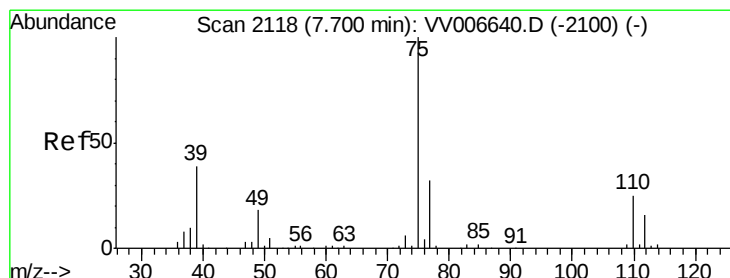
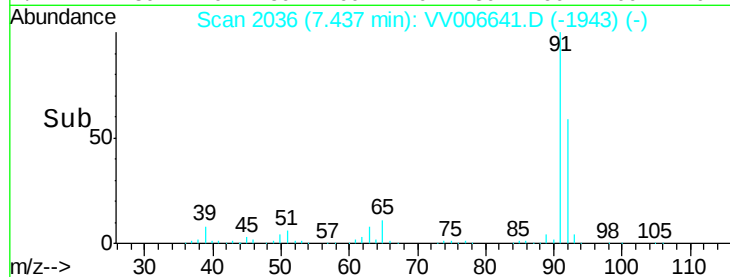
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 11.222 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006641.D

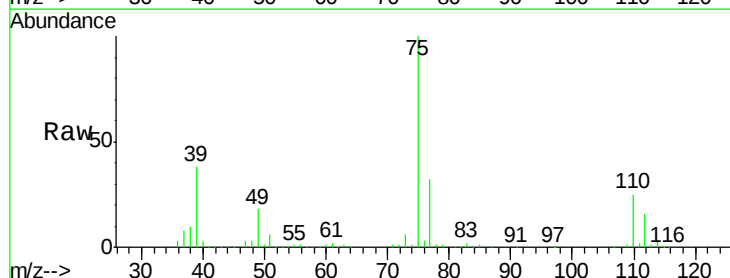
Acq: 19 Jul 2018 13:57

Tgt Ion: 75 Resp: 254777

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

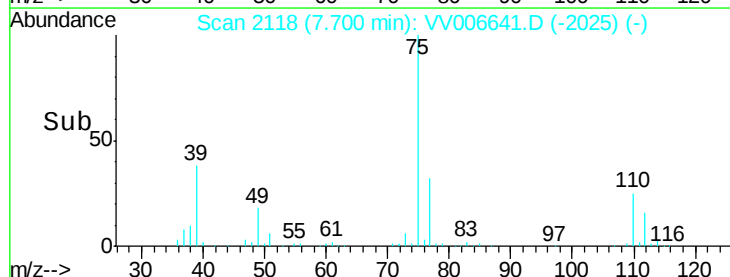
150000

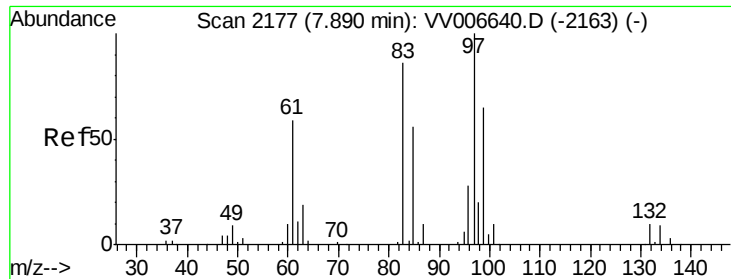
100000

50000

0

Time-->

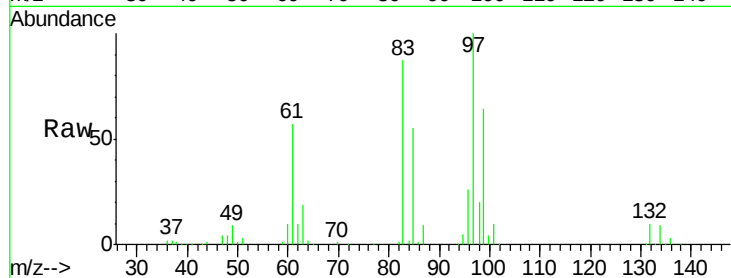




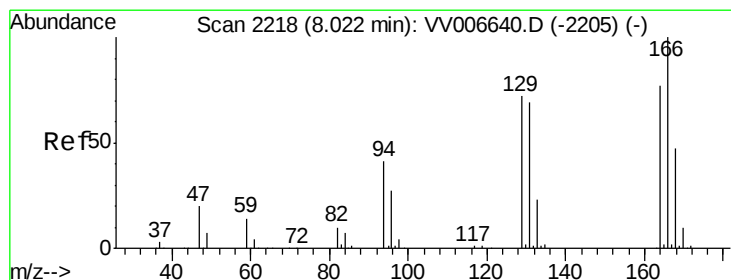
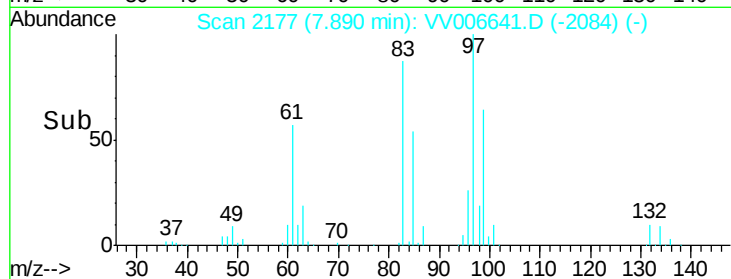
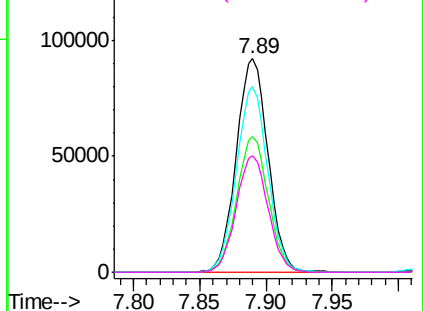
#45
 1,1,2-Trichloroethane
 Concen: 10.225 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV006641.D
 Acq: 19 Jul 2018 13:57

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01067

Tgt Ion: 97 Resp: 152768
 Ion Ratio Lower Upper
 97 100
 99 63.8 45.2 84.0
 83 87.1 60.5 112.3
 85 54.6 39.0 72.4

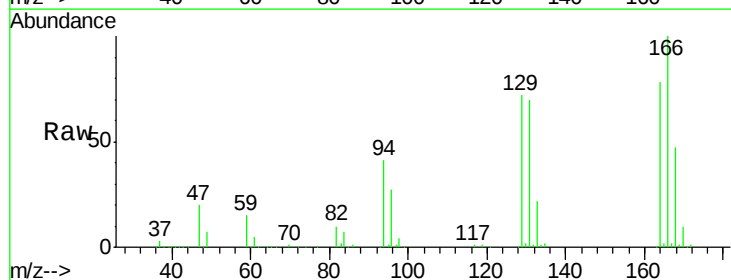


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

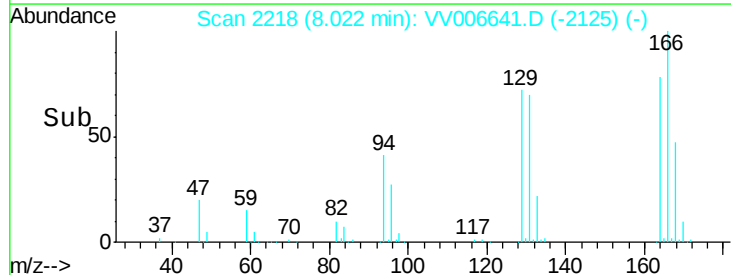
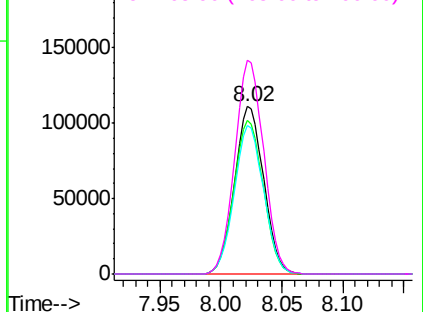


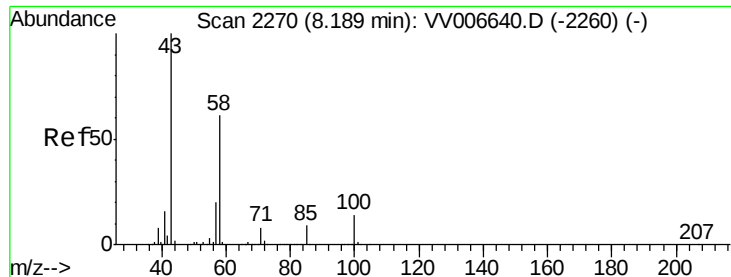
#47
 Tetrachloroethene
 Concen: 10.392 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006641.D
 Acq: 19 Jul 2018 13:57

Tgt Ion: 164 Resp: 183840
 Ion Ratio Lower Upper
 164 100
 129 91.8 65.9 122.5
 131 88.8 62.9 116.7
 166 127.7 91.4 169.8



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

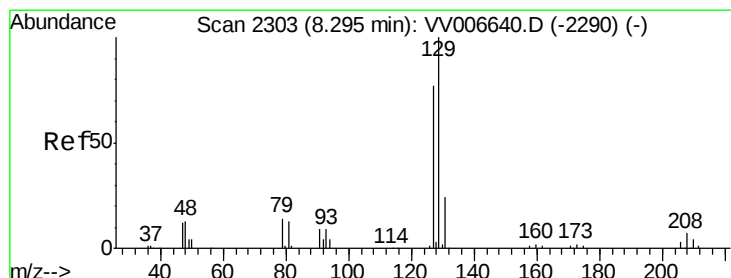
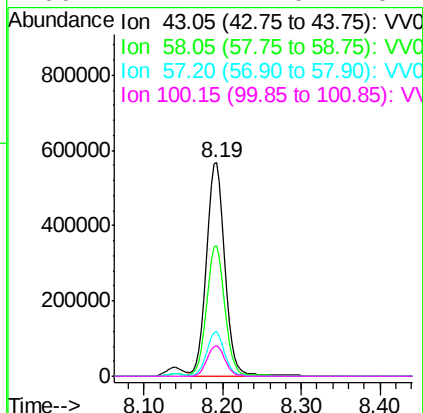
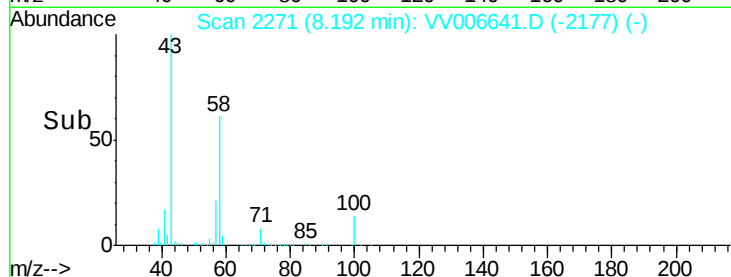
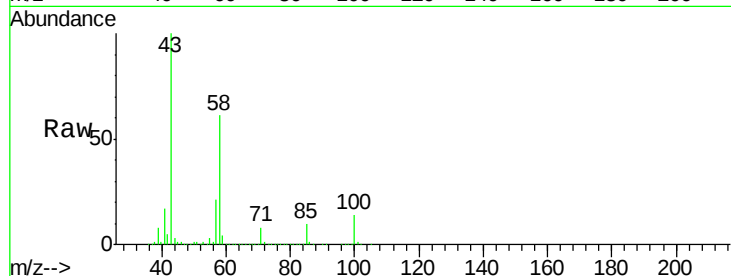




#48
2-Hexanone
Concen: 108.638 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006641.D
Acq: 19 Jul 2018 13:57

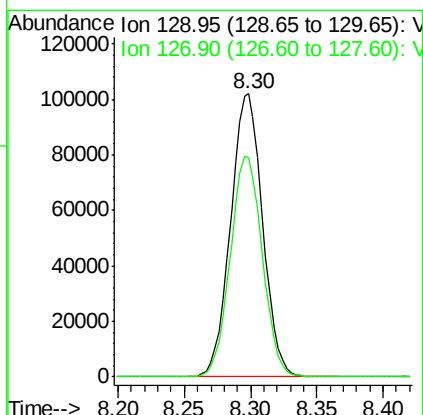
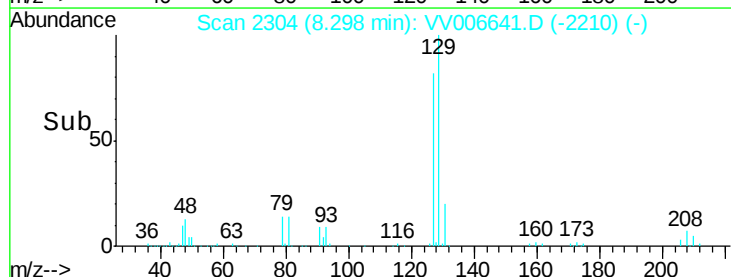
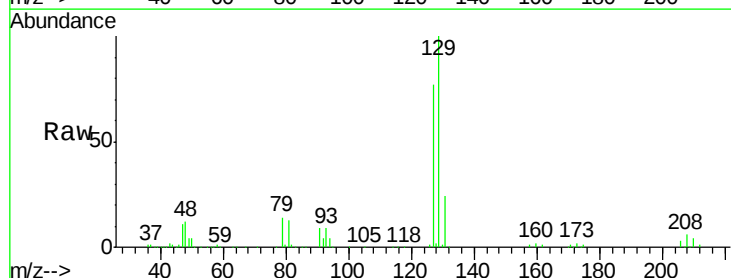
Instrument :
MSVOA_V
ClientSampleId :
VSTD01067

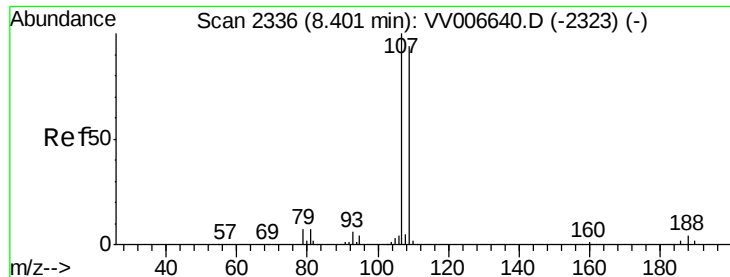
Tgt Ion: 43 Resp: 911694
Ion Ratio Lower Upper
43 100
58 60.6 48.2 72.2
57 20.2 16.2 24.4
100 14.1 11.0 16.4



#49
Dibromochloromethane
Concen: 10.768 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006641.D
Acq: 19 Jul 2018 13:57

Tgt Ion: 129 Resp: 170462
Ion Ratio Lower Upper
129 100
127 77.3 53.6 99.6

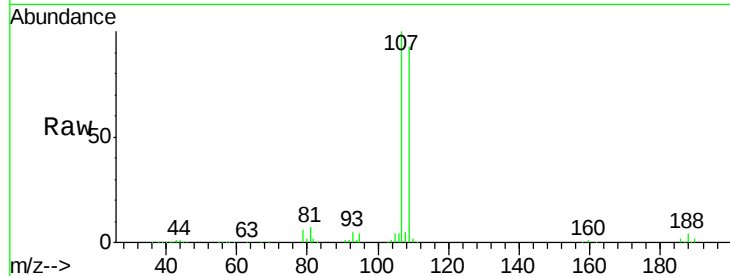




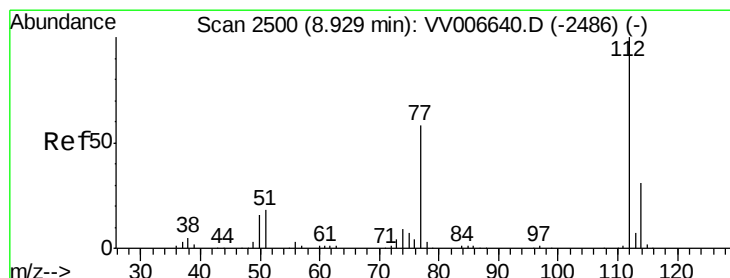
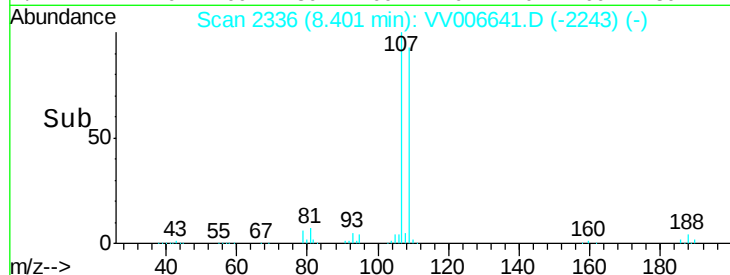
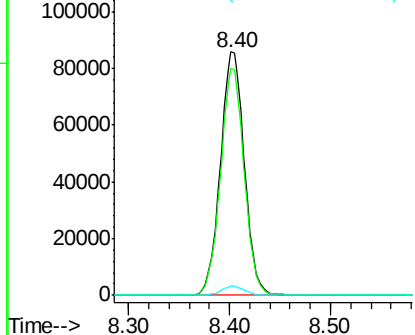
#50
1,2-Dibromoethane
Concen: 10.565 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006641.D
Acq: 19 Jul 2018 13:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD01067

Tgt Ion:107 Resp: 141874
Ion Ratio Lower Upper
107 100
109 93.4 66.0 122.6
188 3.8 3.1 4.7

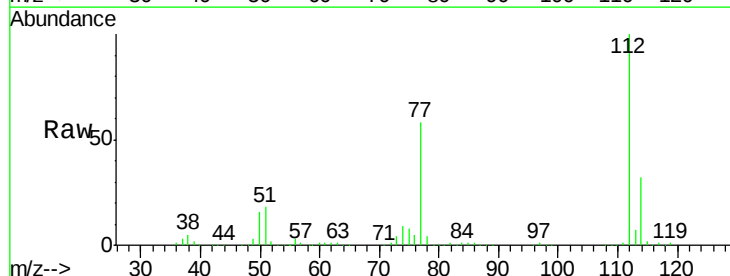


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

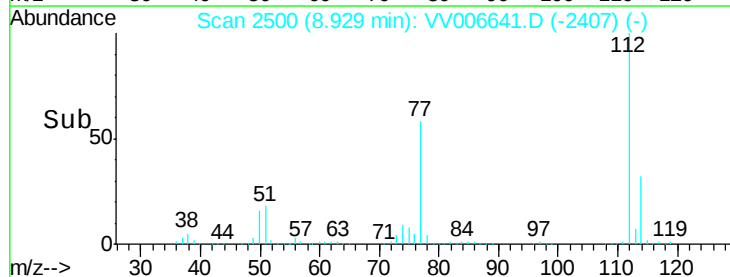
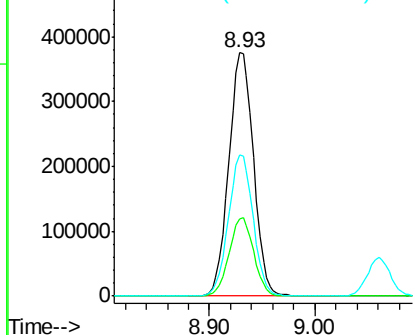


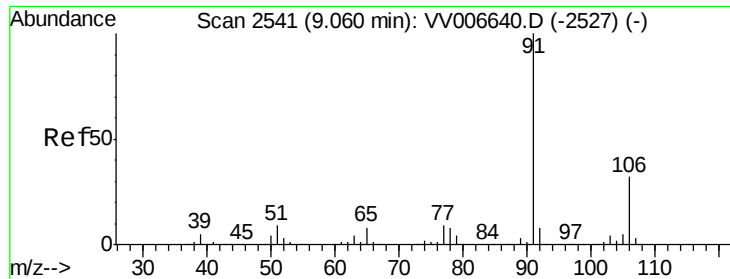
#51
Chlorobenzene
Concen: 10.411 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006641.D
Acq: 19 Jul 2018 13:57

Tgt Ion:112 Resp: 608676
Ion Ratio Lower Upper
112 100
114 32.0 21.8 40.4
77 58.1 46.6 69.8



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





#52

Ethylbenzene

Concen: 10.842 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

Instrument :

MSVOA_V

ClientSampleId :

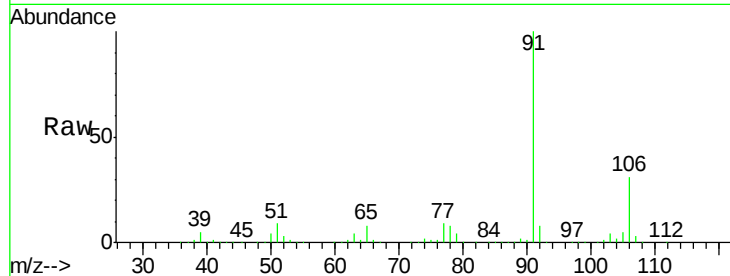
VSTD01067

Tgt Ion: 91 Resp: 1047254

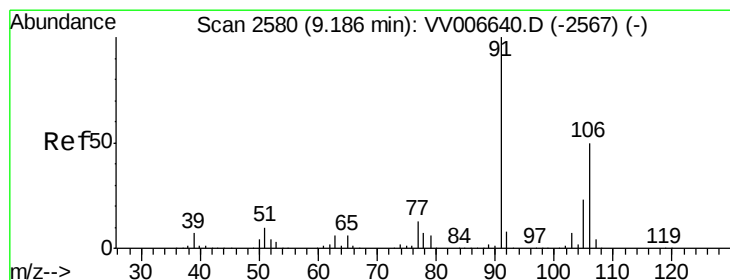
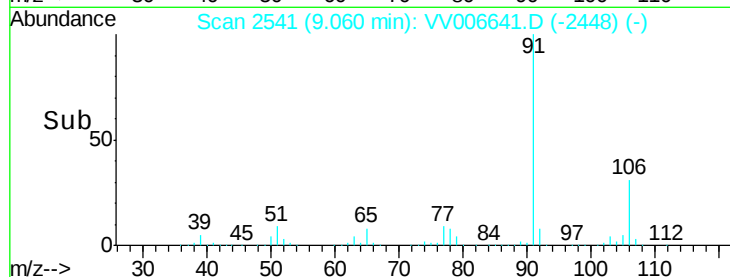
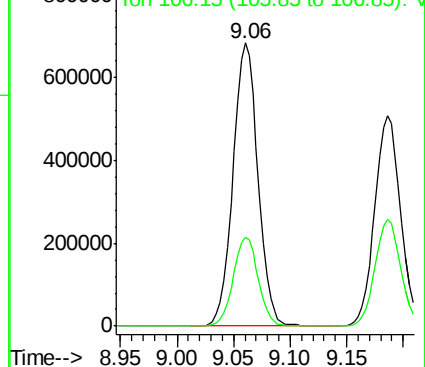
Ion Ratio Lower Upper

91 100

106 31.4 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VV006641.D (-2448) (-)



#53

m,p-xylene

Concen: 11.108 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006641.D

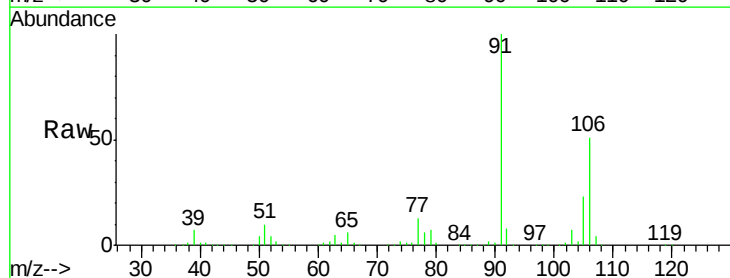
Acq: 19 Jul 2018 13:57

Tgt Ion: 106 Resp: 408007

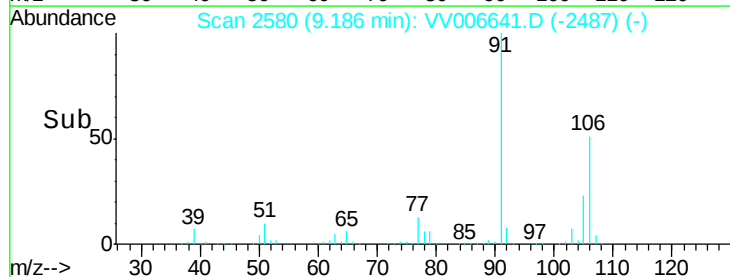
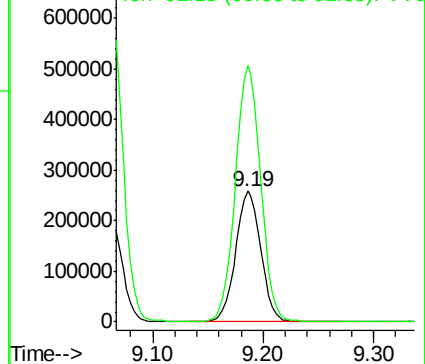
Ion Ratio Lower Upper

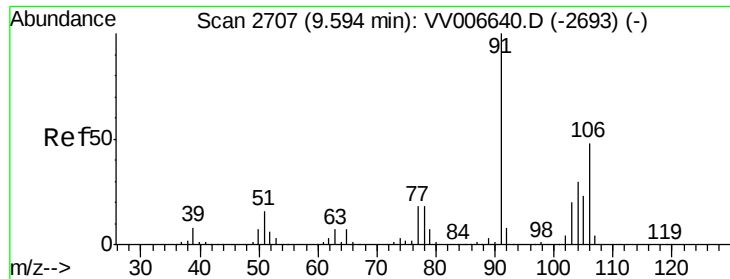
106 100

91 196.5 140.3 260.5



Abundance Ion 106.15 (105.85 to 106.85): VV006641.D (-2487) (-)





#54

o-xylene

Concen: 11.009 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

Instrument :

MSVOA_V

ClientSampleId :

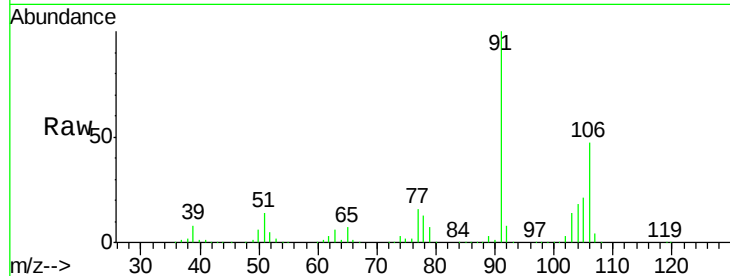
VSTD01067

Tgt Ion:106 Resp: 394473

Ion Ratio Lower Upper

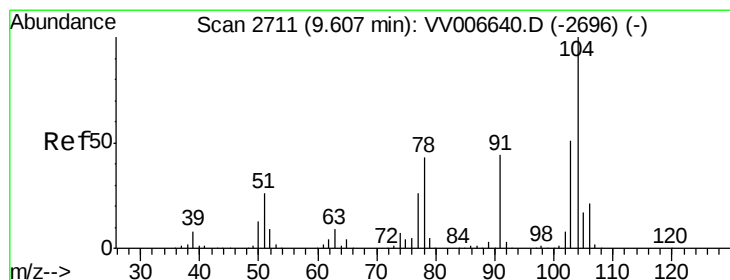
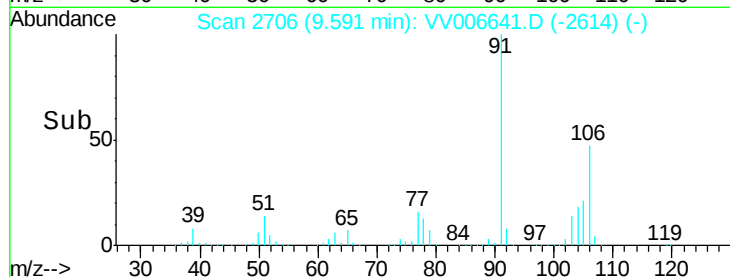
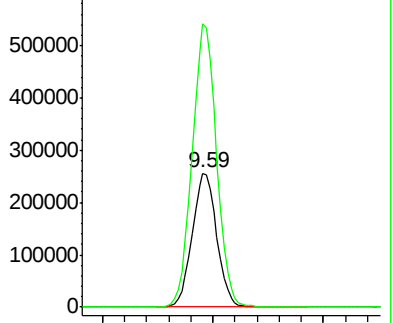
106 100

91 211.2 146.0 271.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 11.219 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV006641.D

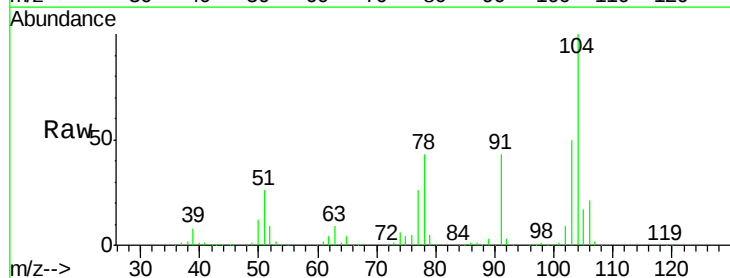
Acq: 19 Jul 2018 13:57

Tgt Ion:104 Resp: 672998

Ion Ratio Lower Upper

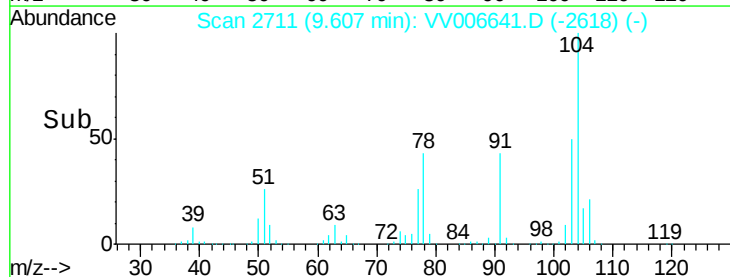
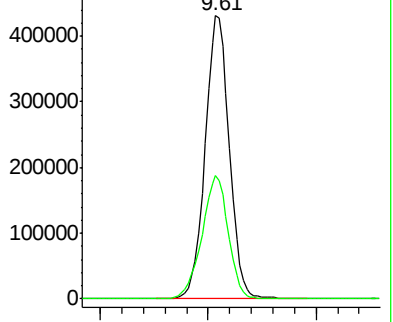
104 100

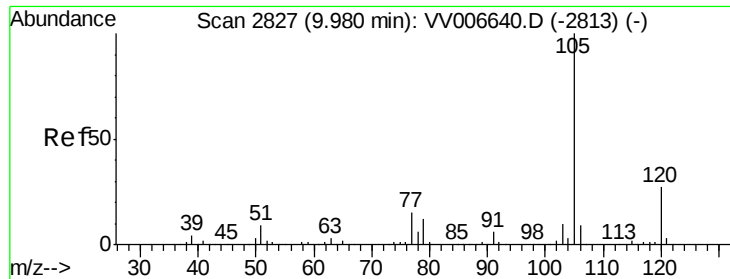
78 43.5 30.2 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 11.071 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

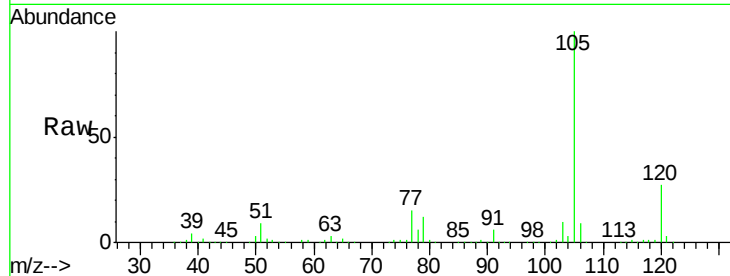
Tgt Ion: 105 Resp: 1040785

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

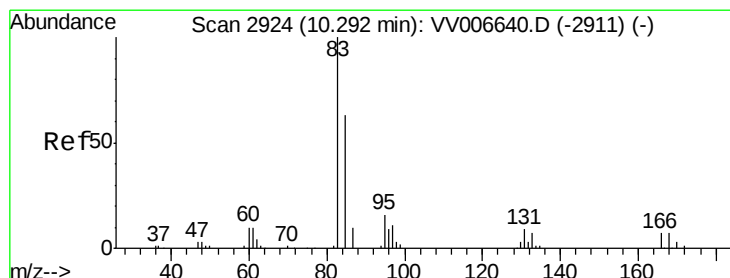
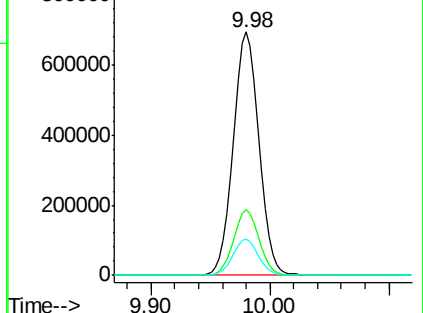
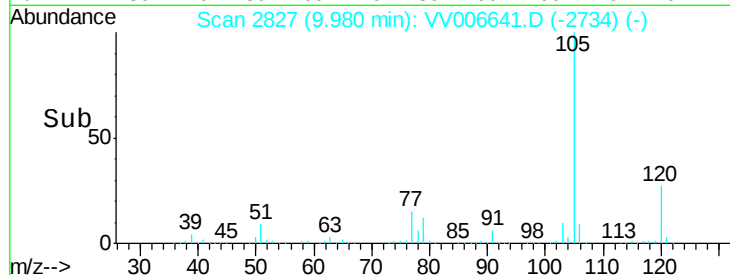
77 14.9 11.9 17.9



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: 10.427 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

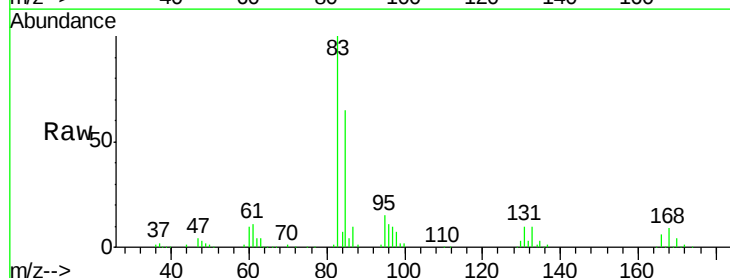
Tgt Ion: 83 Resp: 186842

Ion Ratio Lower Upper

83 100

85 65.1 44.4 82.5

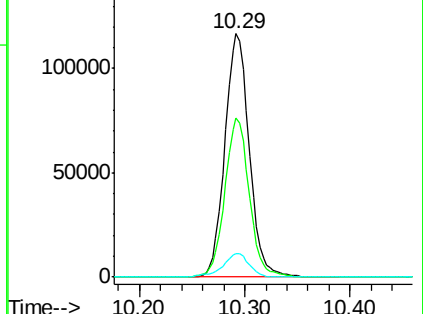
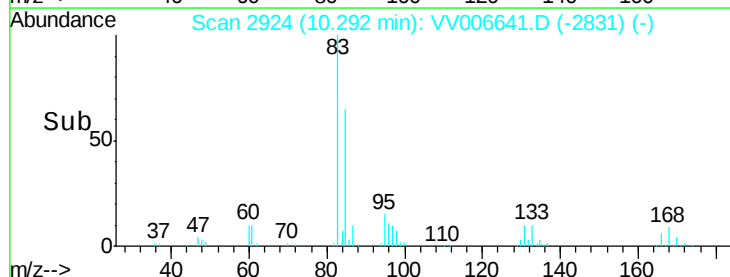
131 9.6 7.4 11.2

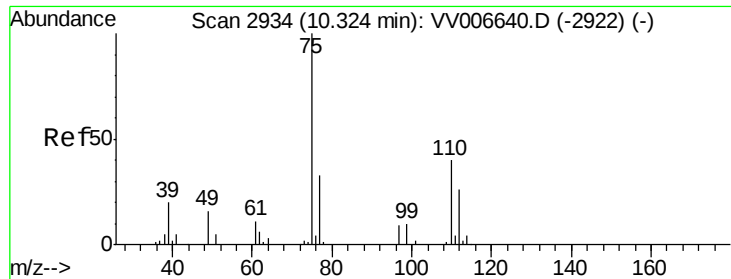


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.239 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

Instrument :

MSVOA_V

ClientSampleId :

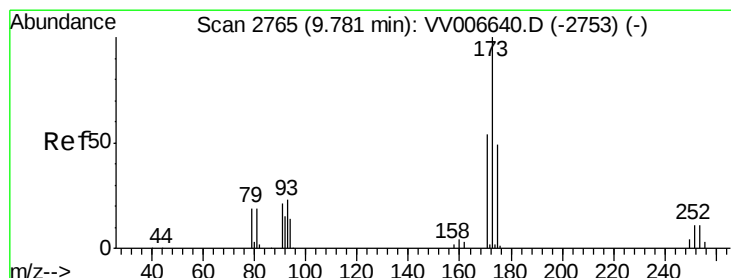
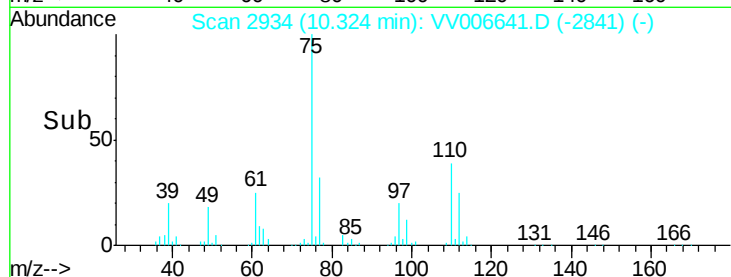
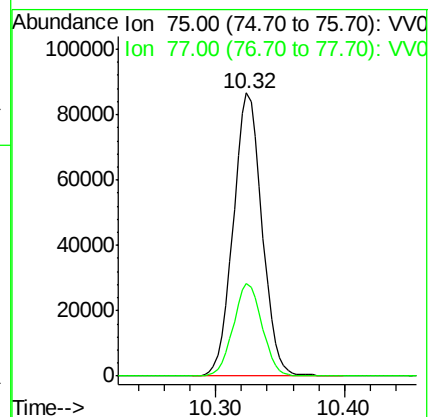
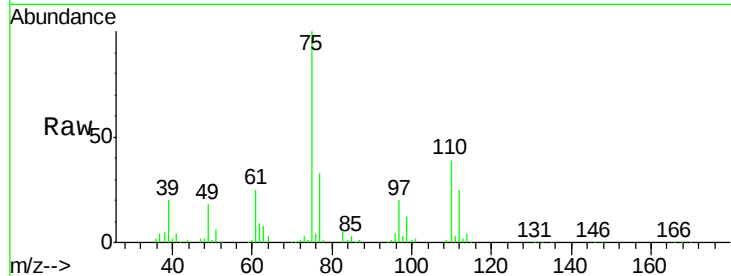
VSTD01067

Tgt Ion: 75 Resp: 134075

Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.4



#61

Bromoform

Concen: 10.485 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

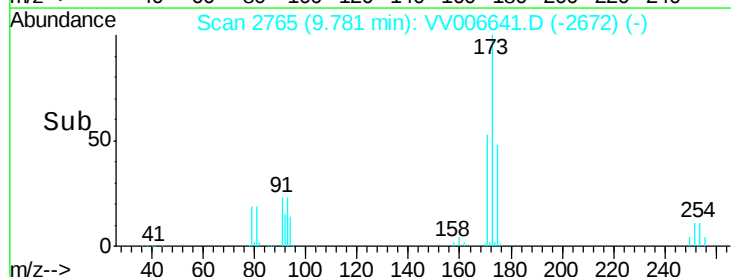
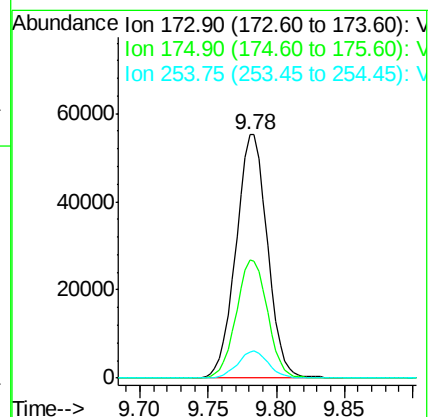
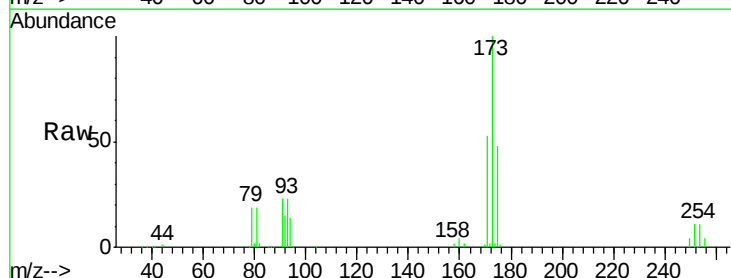
Tgt Ion: 173 Resp: 88458

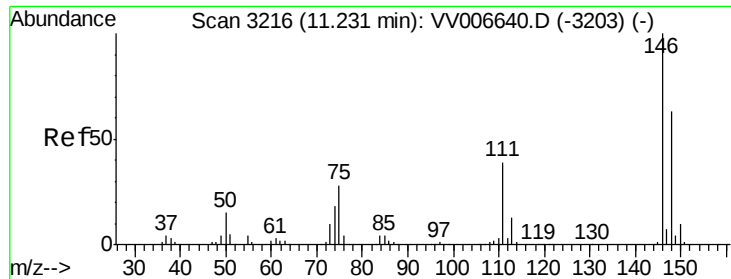
Ion Ratio Lower Upper

173 100

175 48.3 38.9 58.3

254 10.9 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 10.308 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

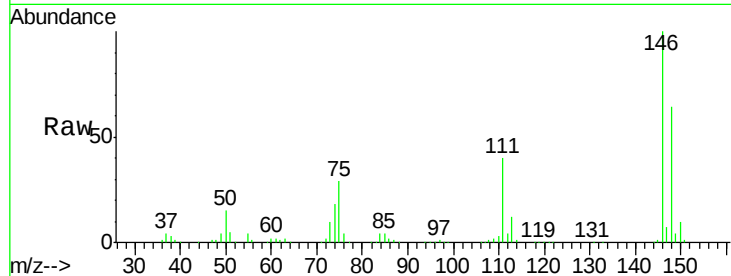
Tgt Ion:146 Resp: 458390

Ion Ratio Lower Upper

146 100

111 39.7 27.2 50.6

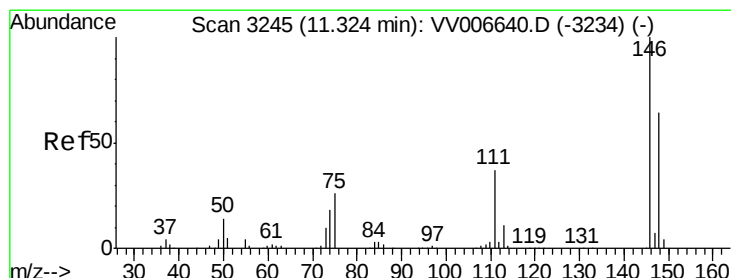
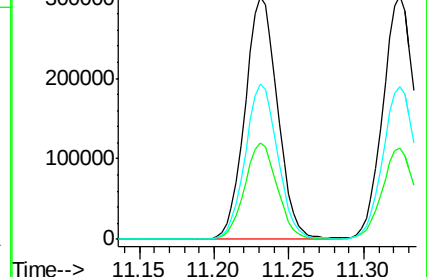
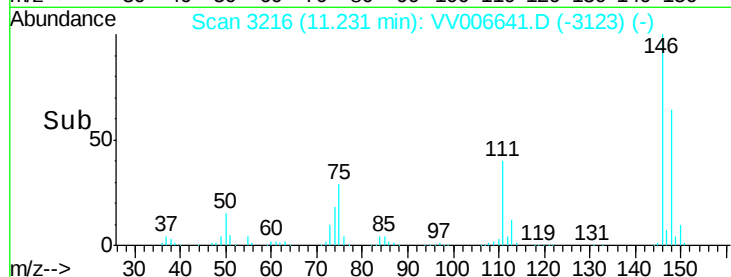
148 63.7 44.4 82.4



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



#63

1,4-Dichlorobenzene

Concen: 10.285 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

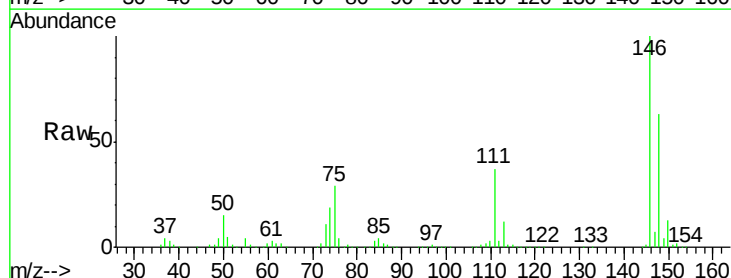
Tgt Ion:146 Resp: 464640

Ion Ratio Lower Upper

146 100

111 37.4 26.0 48.4

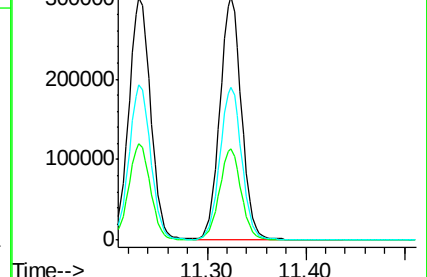
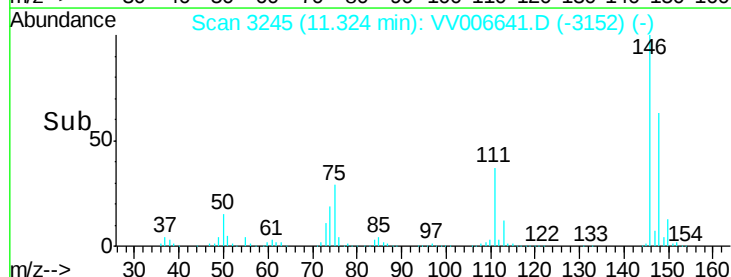
148 62.9 44.6 82.8

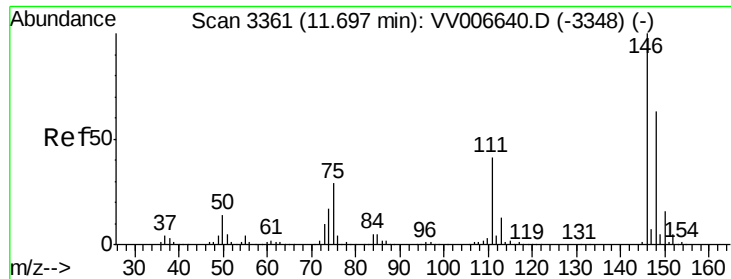


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.297 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

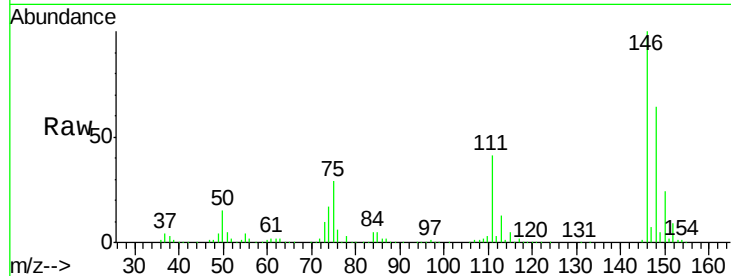
Tgt Ion:146 Resp: 438951

Ion Ratio Lower Upper

146 100

111 41.4 32.6 49.0

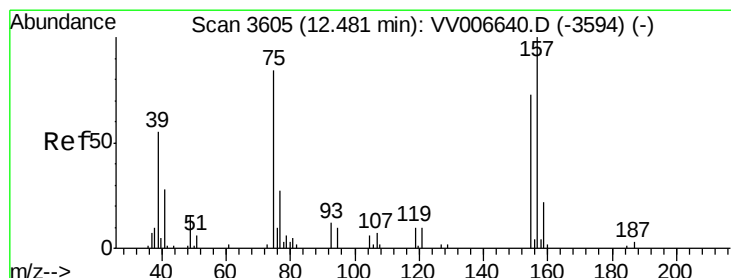
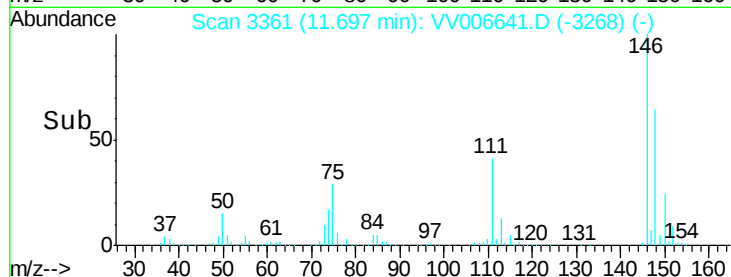
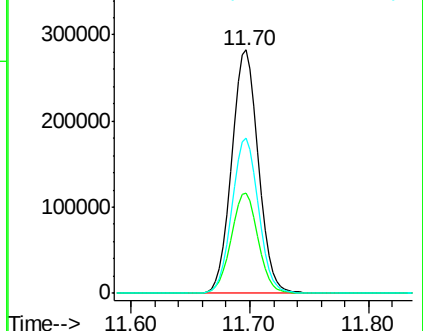
148 63.7 50.8 76.2



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: 10.201 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

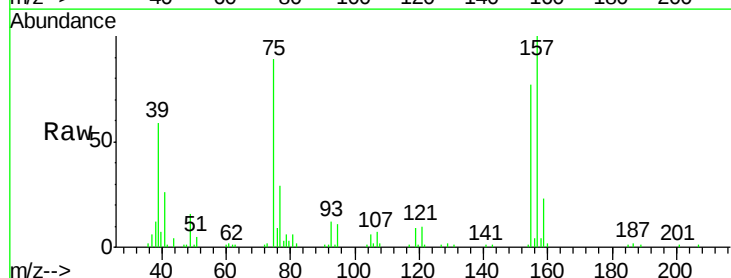
Tgt Ion: 75 Resp: 25807

Ion Ratio Lower Upper

75 100

155 86.0 69.8 104.6

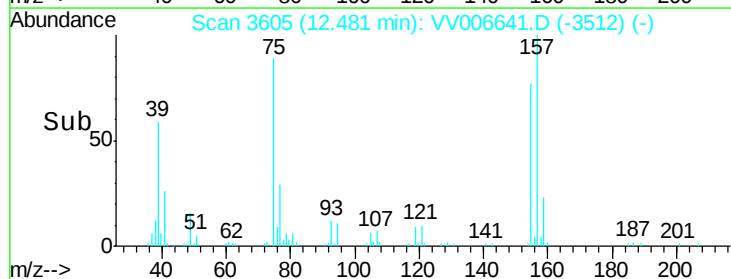
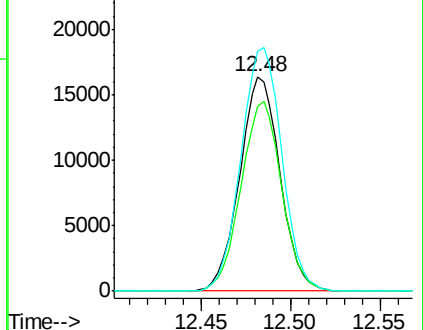
157 111.8 95.0 142.6

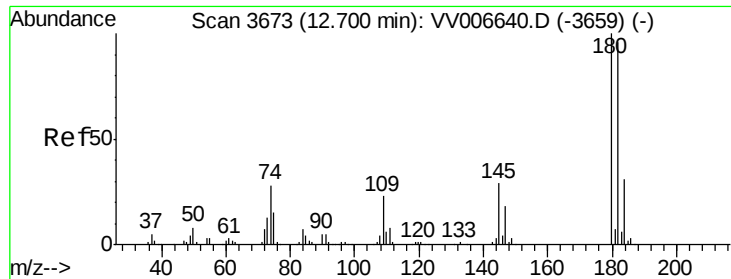


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

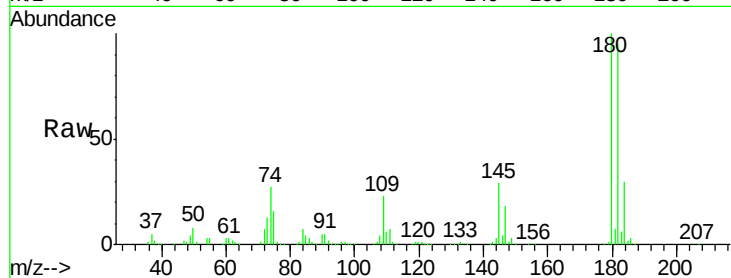




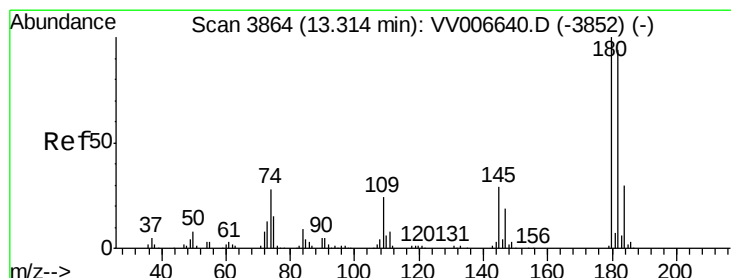
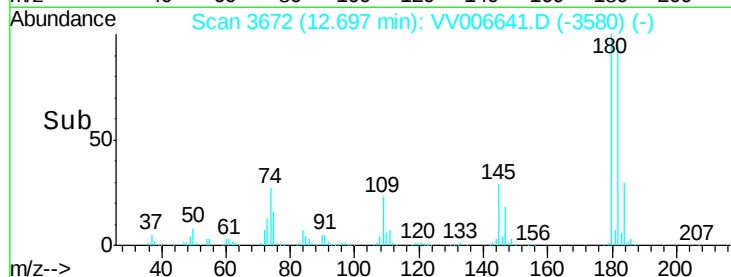
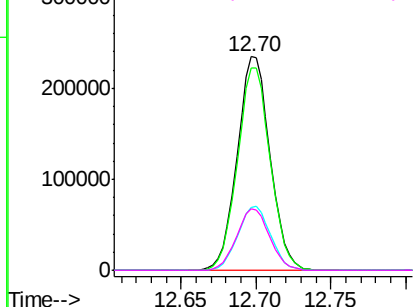
#67
 1,3,5-Trichlorobenzene
 Concen: 10.404 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV006641.D
 Acq: 19 Jul 2018 13:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

Tgt Ion:180 Resp: 357553
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.4 116.0
 184 30.1 24.2 36.2
 145 28.9 23.2 34.8

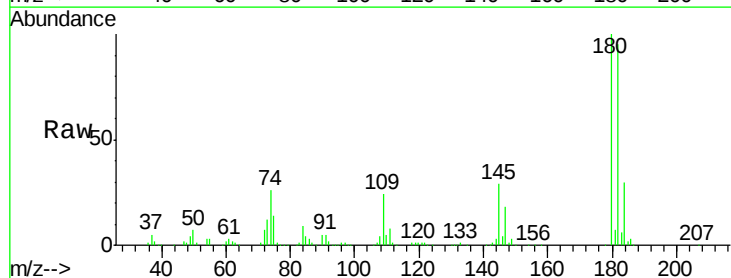


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

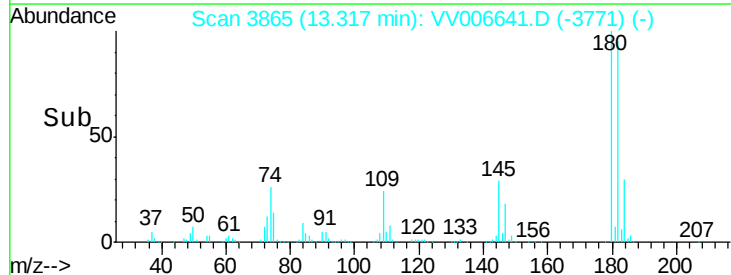
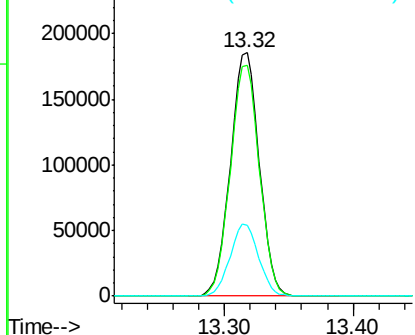


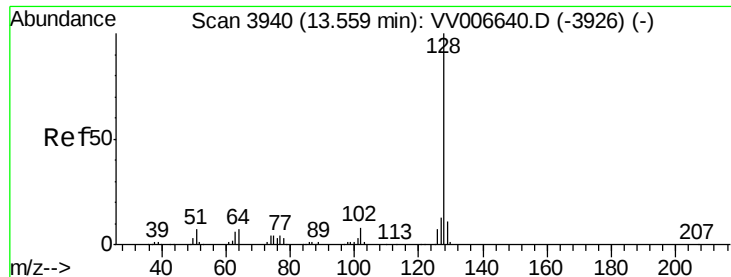
#68
 1,2,4-trichlorobenzene
 Concen: 10.548 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006641.D
 Acq: 19 Jul 2018 13:57

Tgt Ion:180 Resp: 287563
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.8 113.8
 145 29.4 23.4 35.0



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: 11.196 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

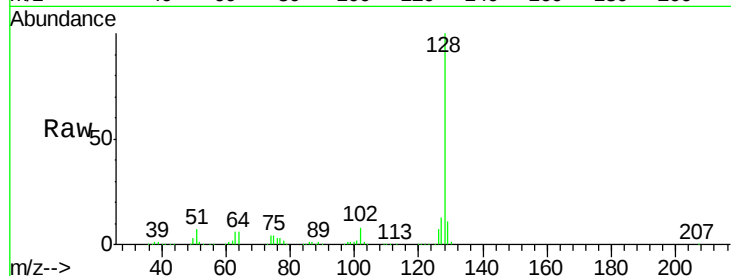
Tgt Ion:128 Resp: 528427

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

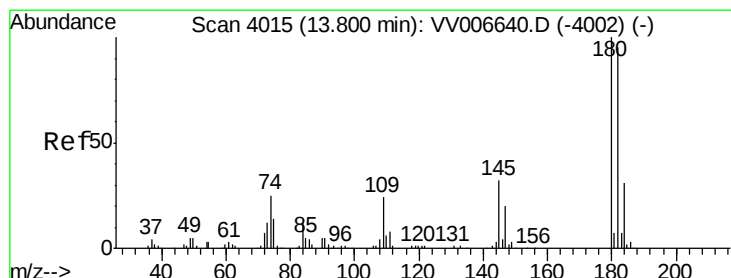
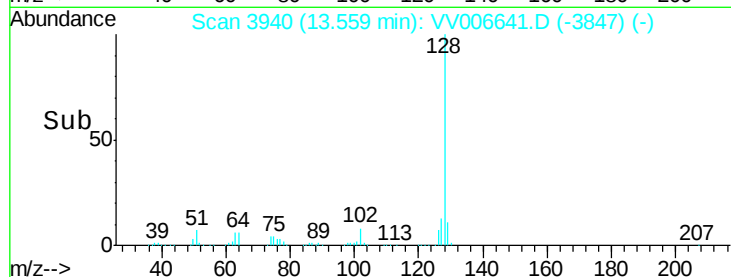
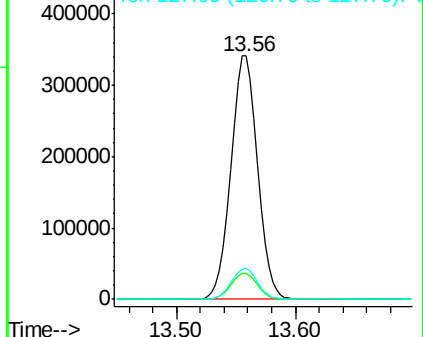
127 12.6 10.2 15.4



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: 10.521 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 19 Jul 2018 13:57

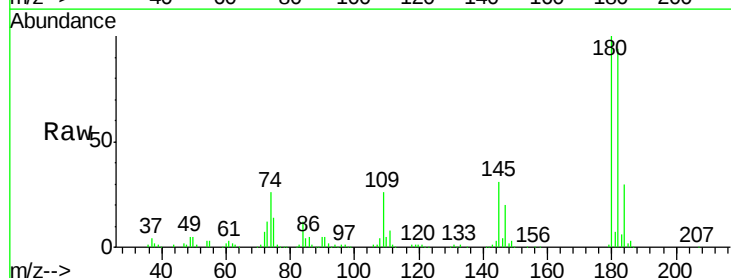
Tgt Ion:180 Resp: 270215

Ion Ratio Lower Upper

180 100

182 94.7 75.9 113.9

145 30.9 25.0 37.6



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

