

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082218\
 Data File : VV007123.D
 Acq On : 22 Aug 2018 15:50
 Operator : SY/MD
 Sample : VSTD20077
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 07:41:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 07:39:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	620798	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	603713	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	338208	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	767735	167.01	ug/L	0.00
7) Chloroethane-d5	1.55	69	369908	102.08	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	1353891	148.95	ug/L	0.00
21) 2-Butanone-d5	3.95	46	1377926	484.77	ug/L	0.00
24) Chloroform-d	4.40	84	1577615	179.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	965690	161.48	ug/L	0.00
32) Benzene-d6	5.10	84	3328357	196.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	1069913	199.64	ug/L	0.00
41) Toluene-d8	7.36	98	3061329	192.09	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	500991	194.39	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	1030843	463.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	1591746	209.08	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	1298421	180.38	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	1020314	186.956	ug/L	100
3) Chloromethane	1.25	50	1220118	239.718	ug/L	100
5) Vinyl chloride	1.32	62	1098734	214.546	ug/L	100
6) Bromomethane	1.51	94	249011	102.814	ug/L	98
8) Chloroethane	1.57	64	552435	179.024	ug/L	98
9) Trichlorofluoromethane	1.75	101	1279275	169.841	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	776630	186.476	ug/L	99
12) 1,1-Dichloroethene	2.13	96	756351	195.386	ug/L	94
13) Acetone	2.20	43	846890	263.328	ug/L	99
14) Carbon disulfide	2.31	76	2313077	253.850	ug/L	99
15) Methyl Acetate	2.46	43	870091	181.683	ug/L	100
16) Methylene chloride	2.53	84	846609	192.385	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	806217	213.033	ug/L	96
18) Methyl tert-butyl Ether	2.81	73	2529634	194.671	ug/L	99
19) 1,1-Dichloroethane	3.22	63	1682973	216.556	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	1012866	228.047	ug/L	99
22) 2-Butanone	4.04	43	1598625	412.883	ug/L	100
23) Bromochloromethane	4.30	128	494744	223.311	ug/L	98
25) Chloroform	4.43	83	1661238	201.417	ug/L	98
27) 1,2-Dichloroethane	5.19	62	1265628	178.311	ug/L	99
29) Cyclohexane	4.72	56	1599386	247.547	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	1397603	194.870	ug/L	100
31) Carbon tetrachloride	4.87	117	1211918	197.768	ug/L	99
33) Benzene	5.15	78	3932064	226.756	ug/L	100
34) Trichloroethene	5.96	95	918711	207.865	ug/L	99
35) Methylcyclohexane	6.18	83	1679260	250.492	ug/L	96
37) 1,2-Dichloropropane	6.23	63	1025348	218.018	ug/L	98
38) Bromodichloromethane	6.56	83	1241766	207.912	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	1583734	237.711	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	2784946	409.684	ug/L	98

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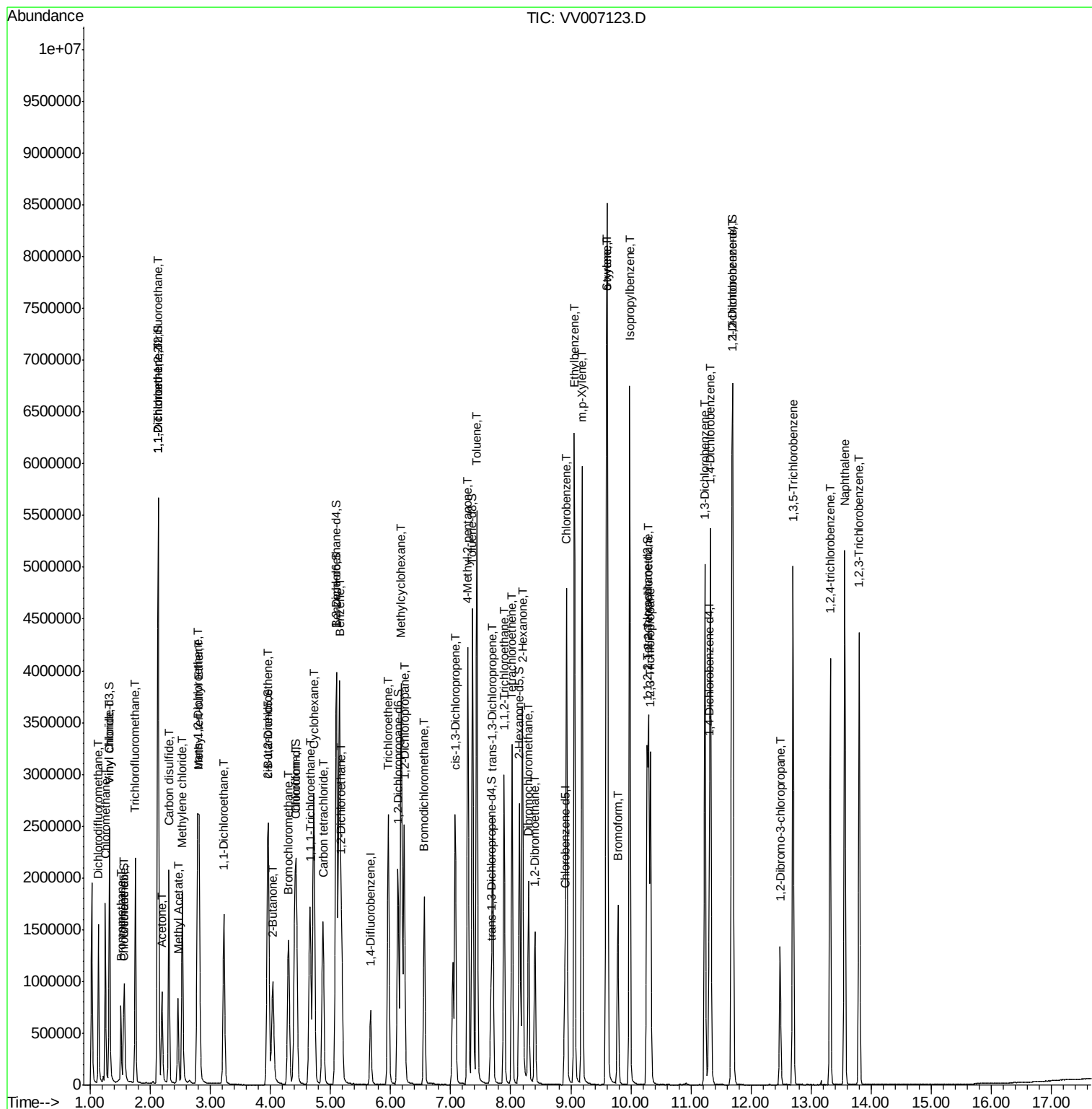
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	4000530	217.284	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	1463206	227.529	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	948589	211.675	ug/L	99
46) Tetrachloroethene	8.02	164	769038	221.956	ug/L	98
48) 2-Hexanone	8.20	43	2273795	404.751	ug/L	99
49) Dibromochloromethane	8.30	129	1010527	219.966	ug/L	100
50) 1,2-Dibromoethane	8.40	107	974207	210.095	ug/L	99
51) Chlorobenzene	8.93	112	2552859	208.570	ug/L	99
52) Ethylbenzene	9.06	91	4368907	214.752	ug/L	98
53) m,p-Xylene	9.19	106	1697869	226.698	ug/L	100
54) o-xylene	9.59	106	1665879	221.638	ug/L	100
55) Styrene	9.61	104	2956957	228.163	ug/L	99
56) Isopropylbenzene	9.98	105	4299834	214.555	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.30	83	1707459	221.628	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	1337712	214.596	ug/L	99
61) Bromoform	9.78	173	794744	219.869	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	2076952	197.851	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	2172934	192.250	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	2219622	194.907	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	340374	190.026	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	1594254	212.237	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	1301989	215.668	ug/L	99
69) Naphthalene	13.56	128	3932283	212.431	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	1361237	210.669	ug/L	100

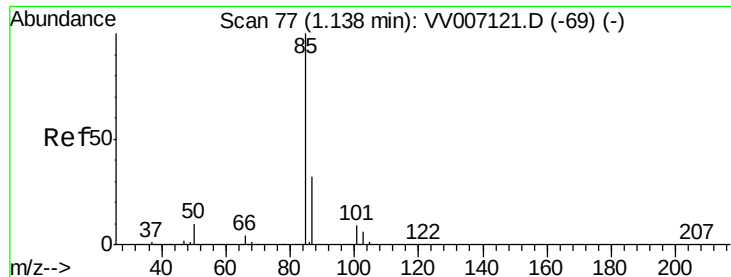
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 186.956 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

Instrument :

MSVOA_V

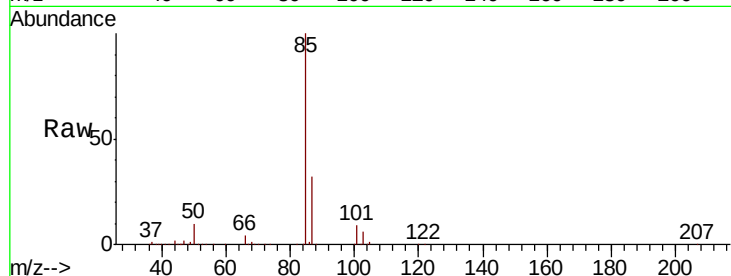
ClientSampleId :

Tot Ion: 85 Resp: 1020314

Ion Ratio Lower Upper

85 100

87 32.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV007123.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV007123.D (-1) (-)

1.14

800000

600000

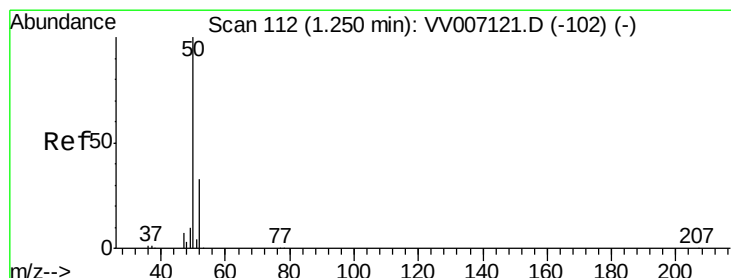
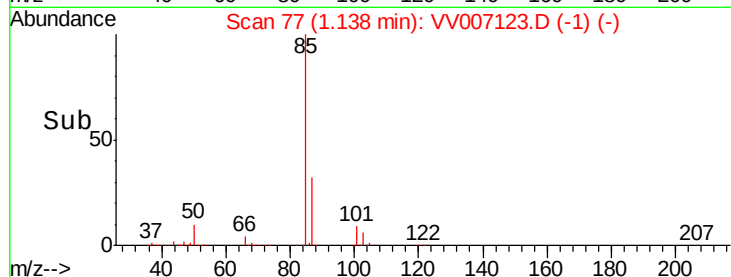
400000

200000

0

Time-->

1.10 1.20 1.30



#3

Chloromethane

Concen: 239.718 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV007123.D

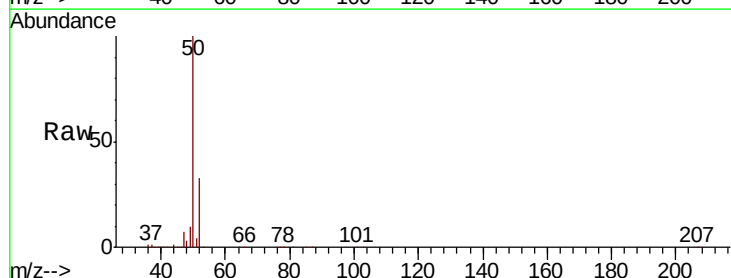
Acq: 22 Aug 2018 15:50

Tgt Ion: 50 Resp: 1220118

Ion Ratio Lower Upper

50 100

52 33.1 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007123.D (-19) (-)

Ion 52.00 (51.70 to 52.70): VV007123.D (-19) (-)

1.25

1200000

1000000

800000

600000

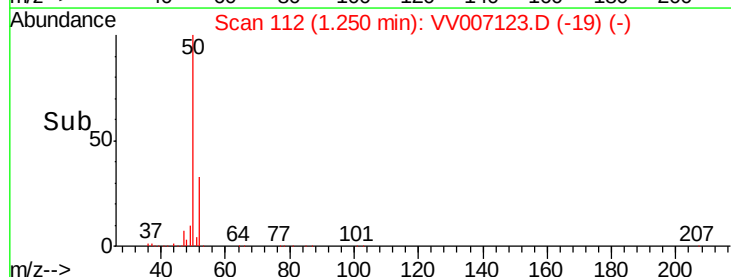
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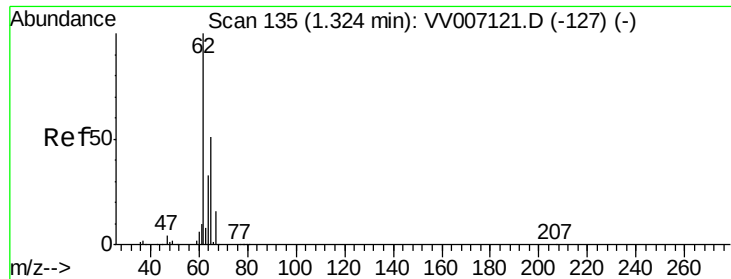
200000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 214.546 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

Instrument :

MSVOA_V

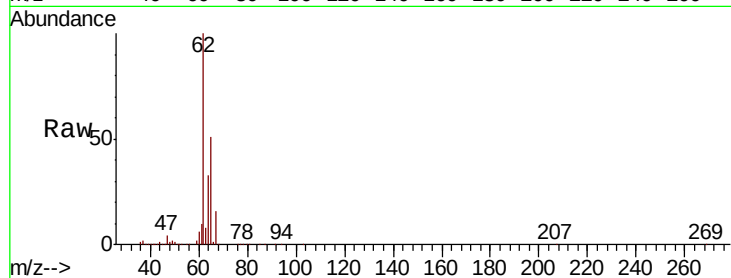
ClientSampleId :

Tot Ion: 62 Resp: 1098734

Ion Ratio Lower Upper

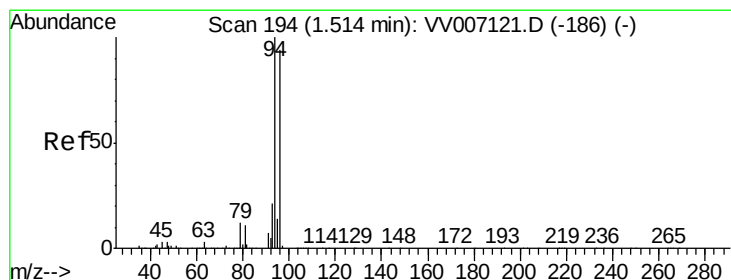
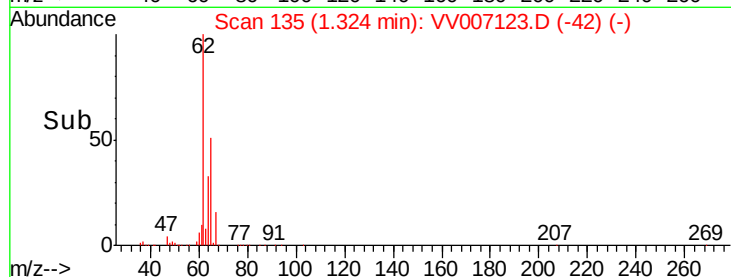
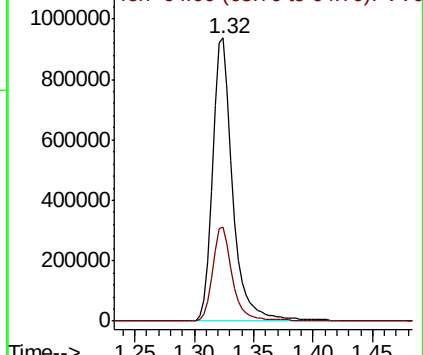
62 100

64 33.2 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 102.814 ug/L

RT: 1.51 min Scan# 194

Delta R.T. -0.00 min

Lab File: VV007123.D

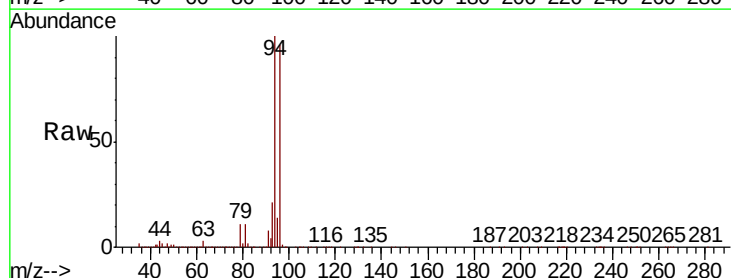
Acq: 22 Aug 2018 15:50

Tgt Ion: 94 Resp: 249011

Ion Ratio Lower Upper

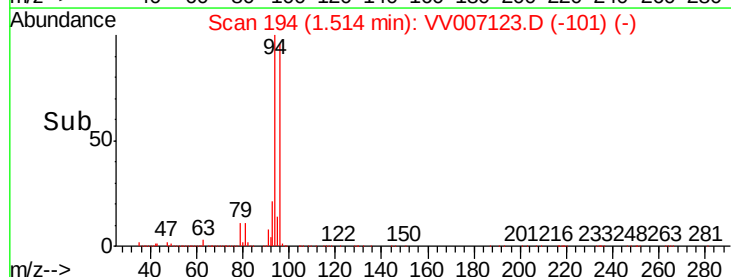
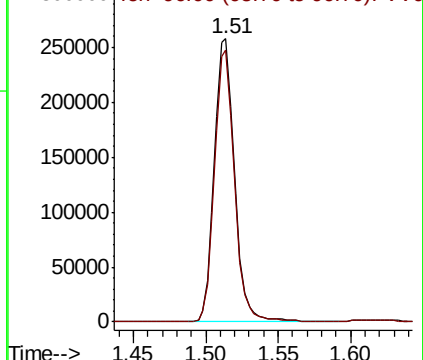
94 100

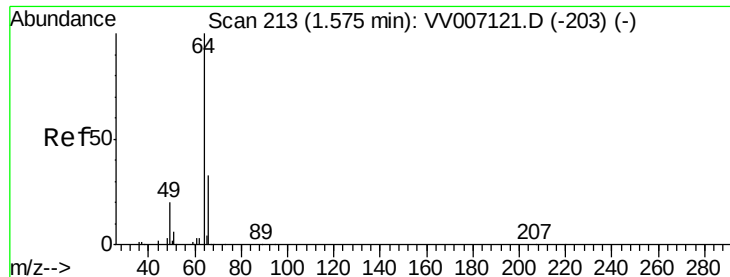
96 95.8 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

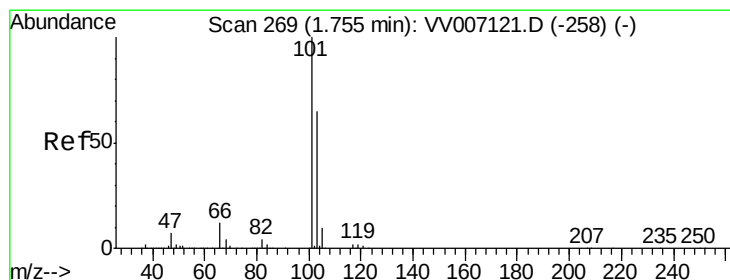
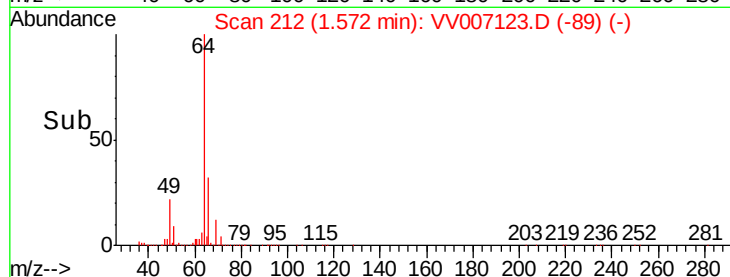
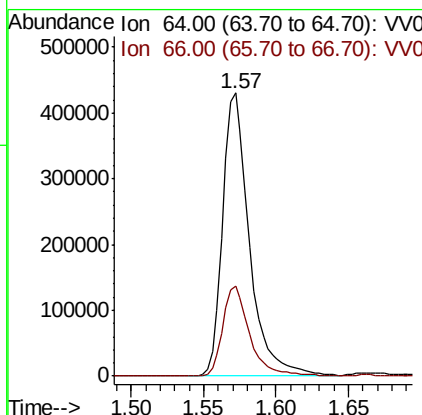
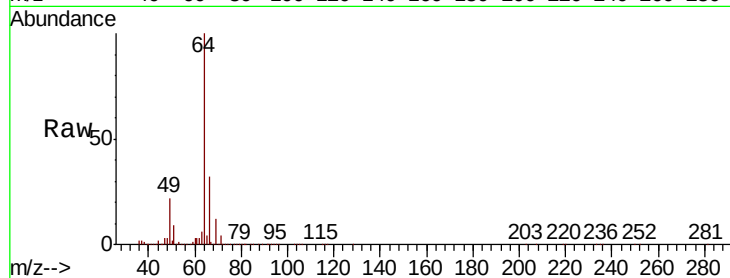




#8
Chloroethane
Concen: 179.024 ug/L
RT: 1.57 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV007123.D
Acq: 22 Aug 2018 15:50

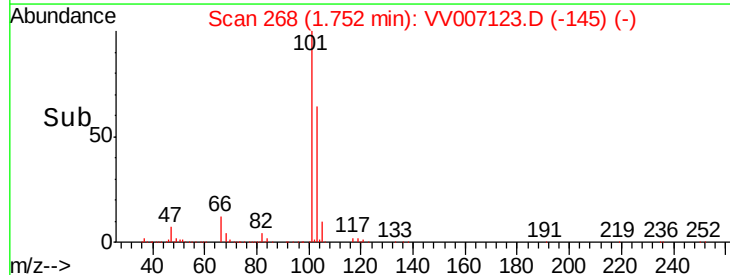
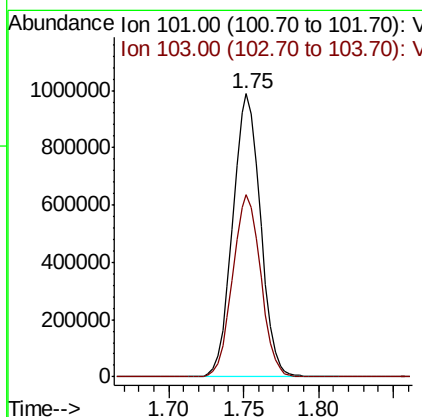
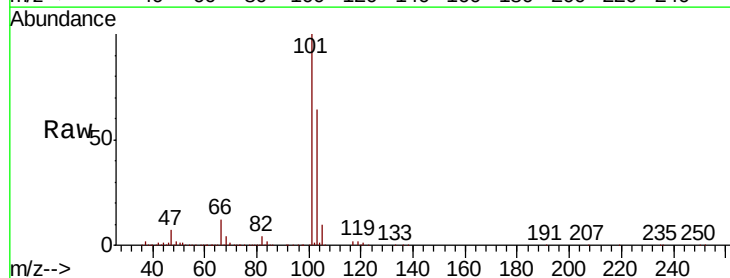
Instrument :
MSVOA_V
ClientSampleId :

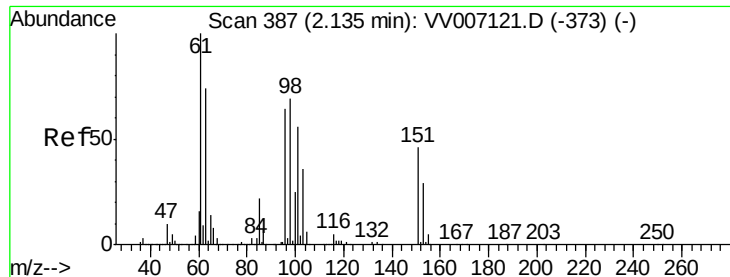
Tot Ion: 64 Resp: 552435
Ion Ratio Lower Upper
64 100
66 31.7 22.8 42.4



#9
Trichlorofluoromethane
Concen: 169.841 ug/L
RT: 1.75 min Scan# 268
Delta R.T. -0.00 min
Lab File: VV007123.D
Acq: 22 Aug 2018 15:50

Tgt Ion: 101 Resp: 1279275
Ion Ratio Lower Upper
101 100
103 65.0 52.5 78.7





#10

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

Concen: 186.476 ug/L

RT: 2.13 min Scan# 386

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

Instrument :

MSVOA_V

ClientSampleId :

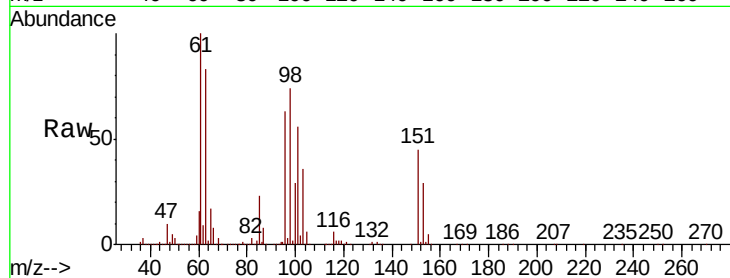
Tot Ion:101 Resp: 776630

Ion Ratio Lower Upper

101 100

85 41.5 32.5 48.7

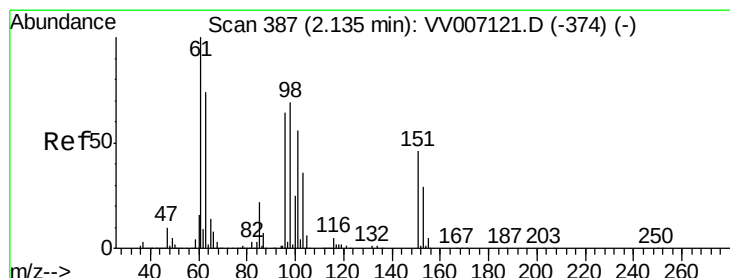
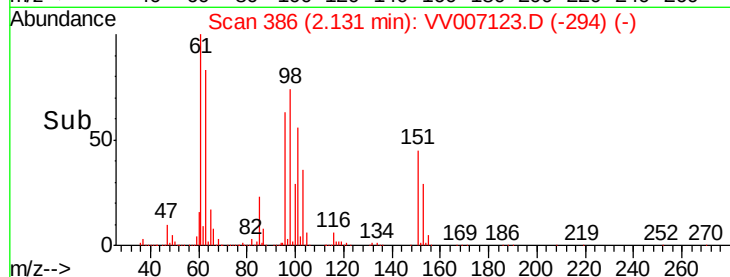
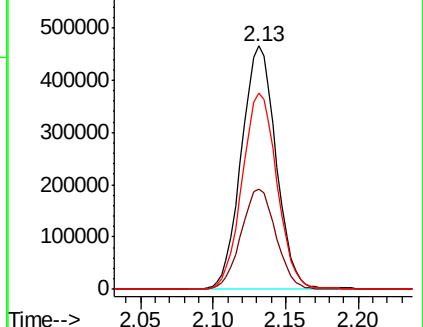
151 80.8 65.2 97.8



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: 195.386 ug/L

RT: 2.13 min Scan# 387

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

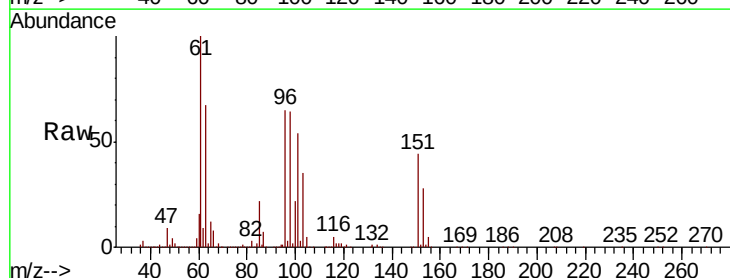
Tgt Ion: 96 Resp: 756351

Ion Ratio Lower Upper

96 100

61 155.0 110.0 204.2

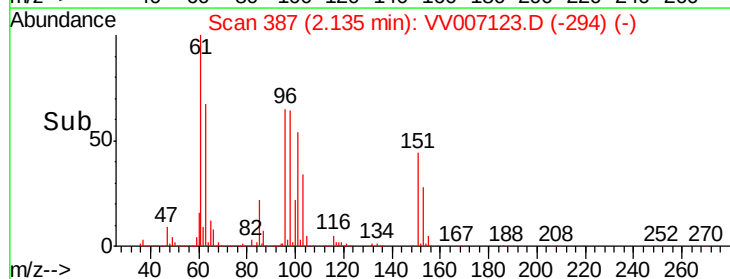
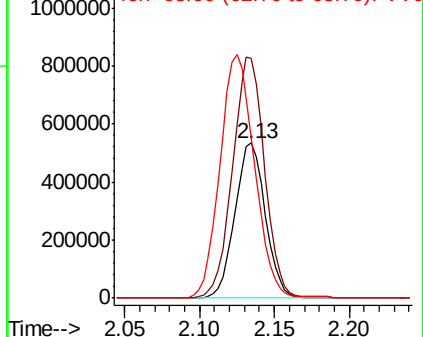
63 103.4 81.8 152.0

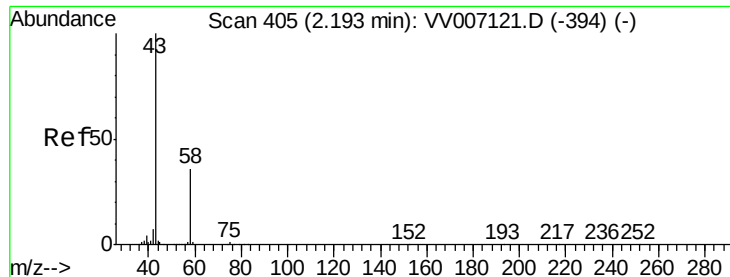


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 263.328 ug/L

RT: 2.20 min Scan# 406

Delta R.T. 0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

Instrument :

MSVOA_V

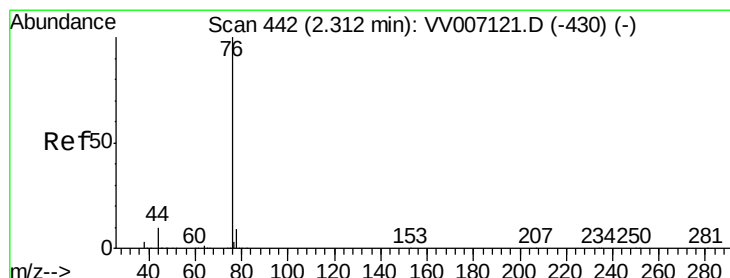
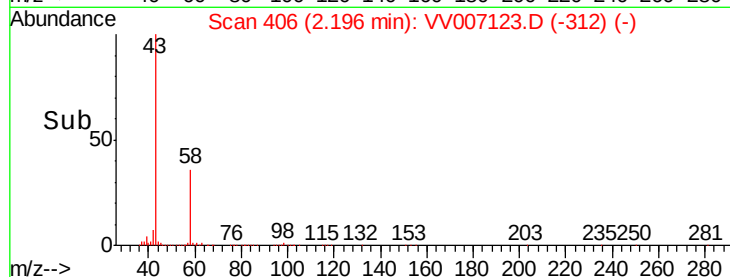
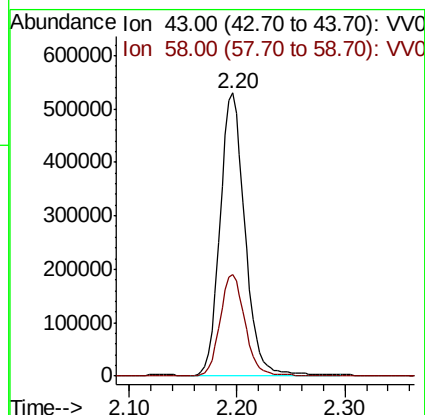
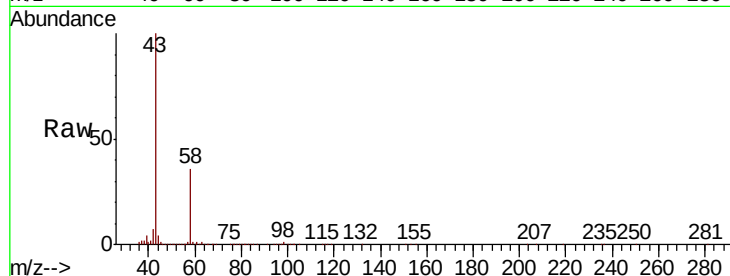
ClientSampleId :

Tot Ion: 43 Resp: 846890

Ion Ratio Lower Upper

43 100

58 36.2 0.0 73.0



#14

Carbon disulfide

Concen: 253.850 ug/L

RT: 2.31 min Scan# 442

Delta R.T. -0.00 min

Lab File: VV007123.D

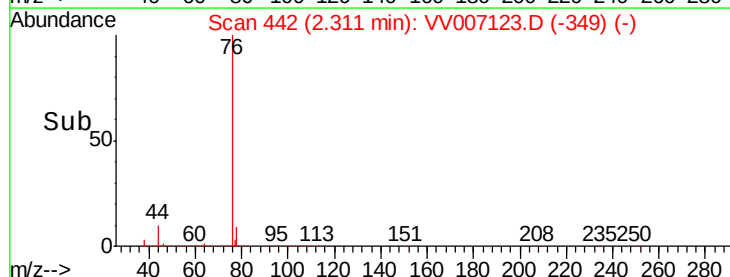
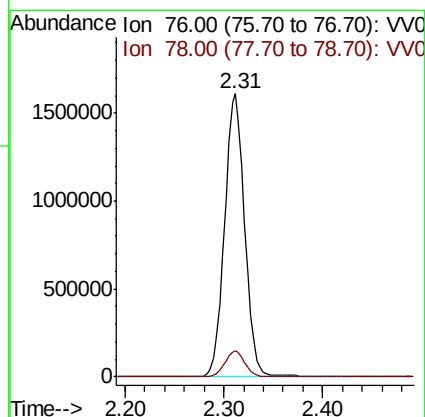
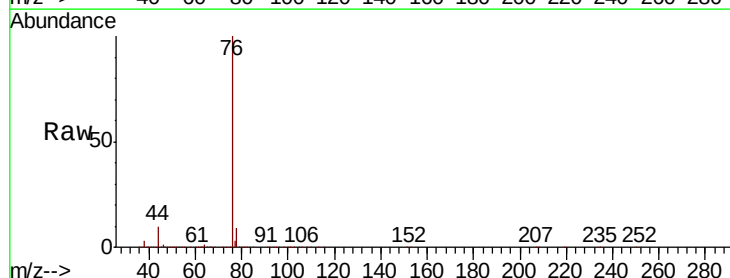
Acq: 22 Aug 2018 15:50

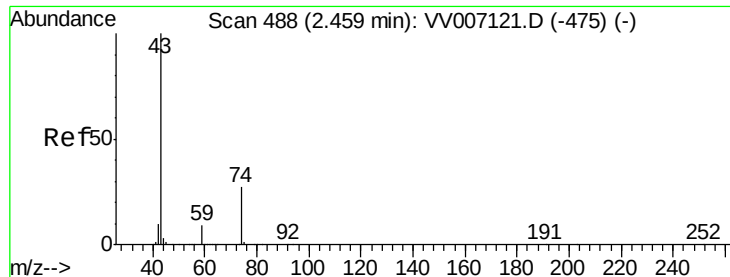
Tgt Ion: 76 Resp: 2313077

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

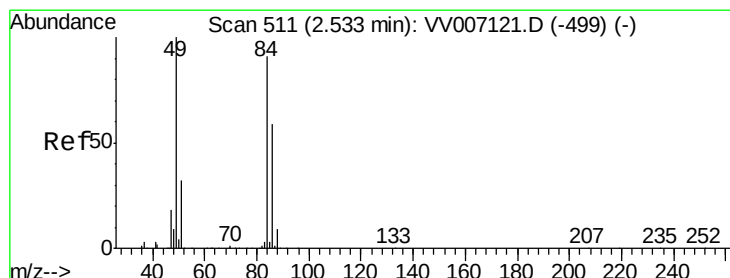
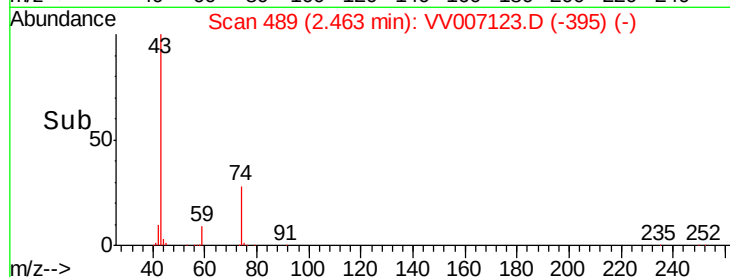
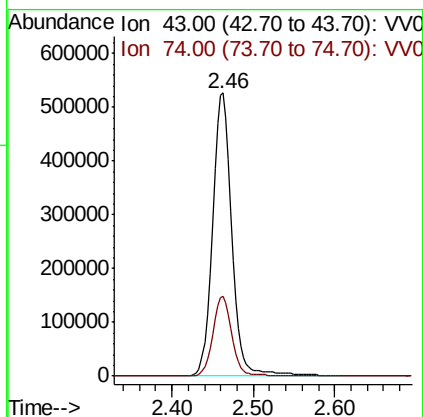
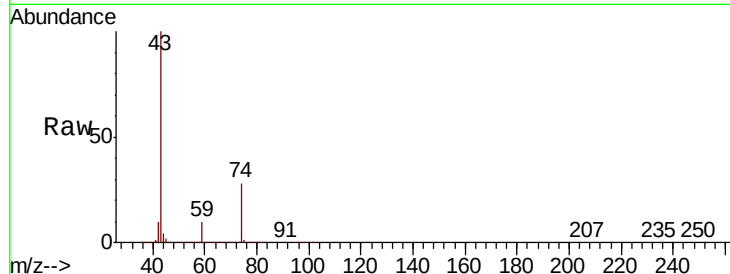




#15
Methvl Acetate
Concen: 181.683 ug/L
RT: 2.46 min Scan# 489
Delta R.T. 0.00 min
Lab File: VV007123.D
Acq: 22 Aug 2018 15:50

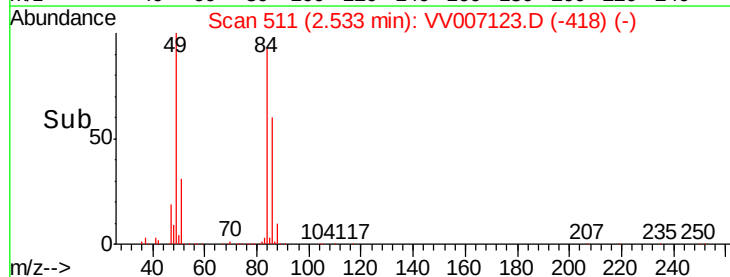
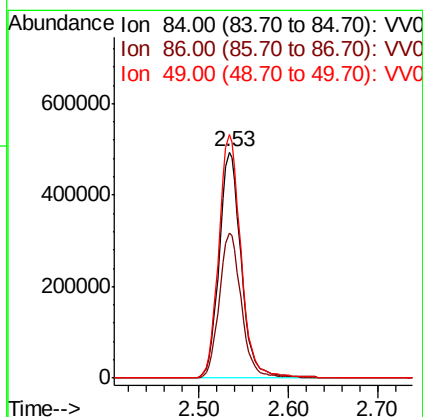
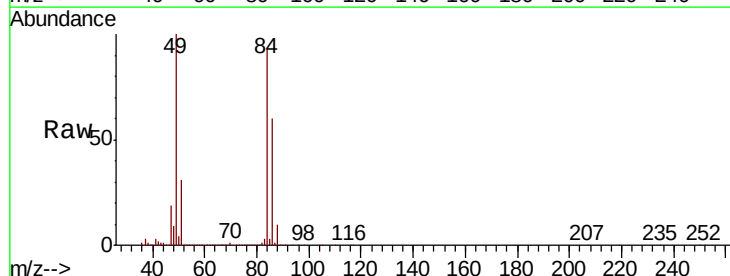
Instrument :
MSVOA_V
ClientSampleId :

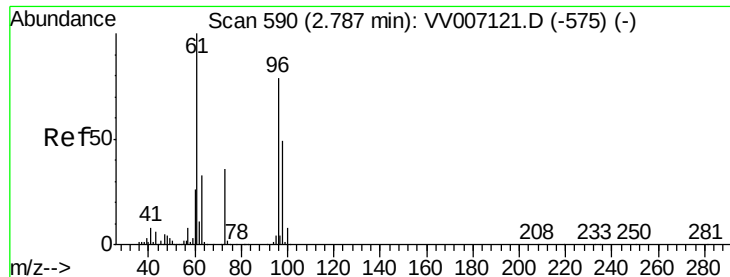
Tot Ion: 43 Resp: 870091
Ion Ratio Lower Upper
43 100
74 27.8 22.2 33.2



#16
Methylene chloride
Concen: 192.385 ug/L
RT: 2.53 min Scan# 511
Delta R.T. -0.00 min
Lab File: VV007123.D
Acq: 22 Aug 2018 15:50

Tgt Ion: 84 Resp: 846609
Ion Ratio Lower Upper
84 100
86 64.3 45.4 84.4
49 107.7 76.7 142.5





#17

trans-1,2-Dichloroethene

Concen: 213.033 ug/L

RT: 2.79 min Scan# 590

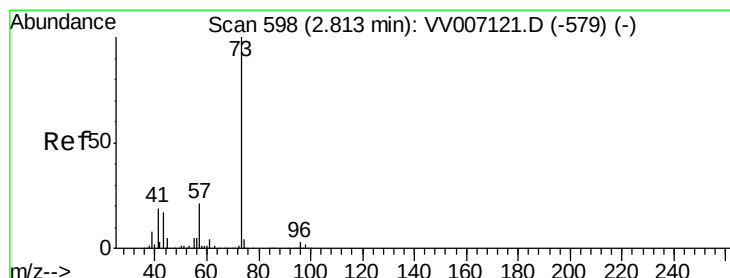
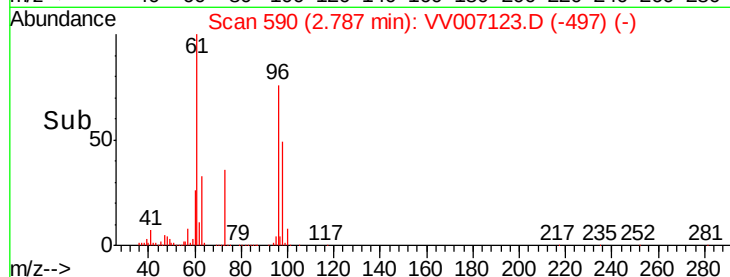
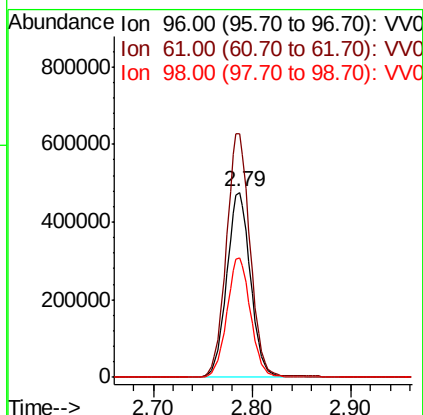
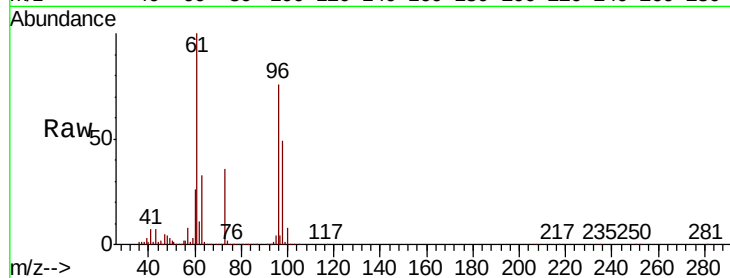
Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	96	Resp:	806217
Ion	Ratio	Lower	Upper
96	100		
61	131.5	89.1	165.5
98	64.8	43.6	81.0



#18

Methyl tert-butyl Ether

Concen: 194.671 ug/L

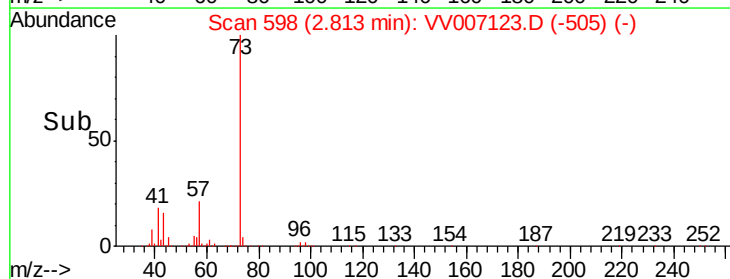
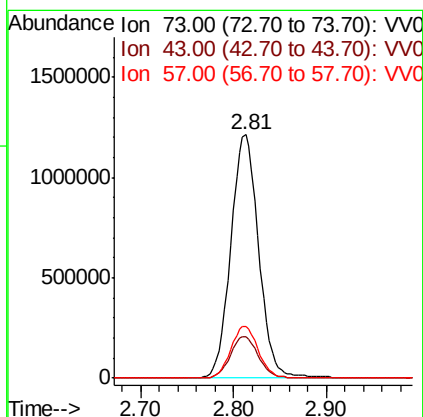
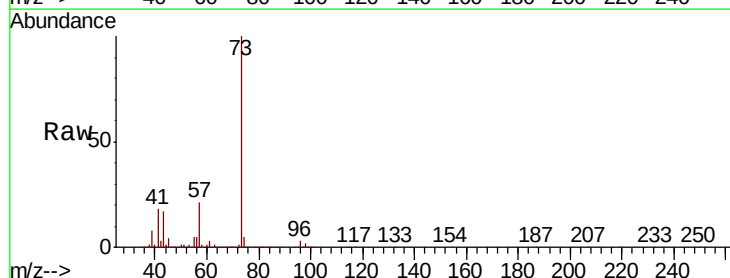
RT: 2.81 min Scan# 598

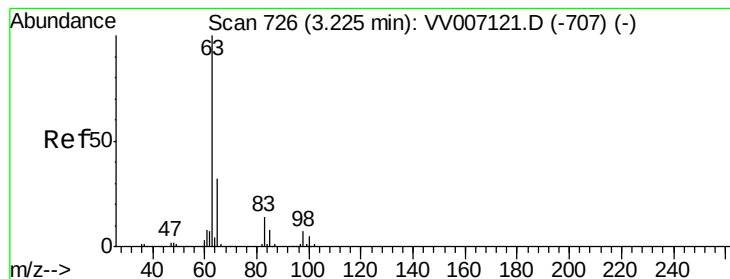
Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

Tgt Ion:	73	Resp:	2529634
Ion	Ratio	Lower	Upper
73	100		
43	17.0	13.6	20.4
57	21.3	16.6	25.0





#19

1,1-Dichloroethane

Concen: 216.556 ug/L

RT: 3.22 min Scan# 726

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

Instrument :

MSVOA_V

ClientSampled :

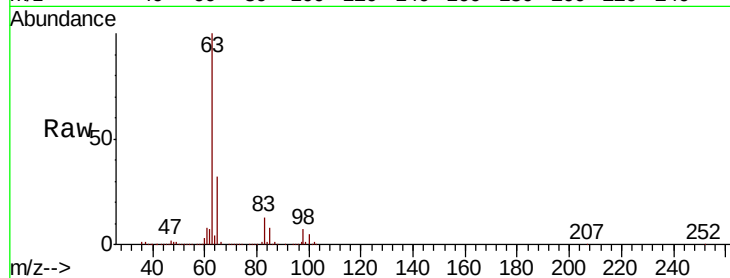
Tot Ion: 63 Resp: 1682973

Ion Ratio Lower Upper

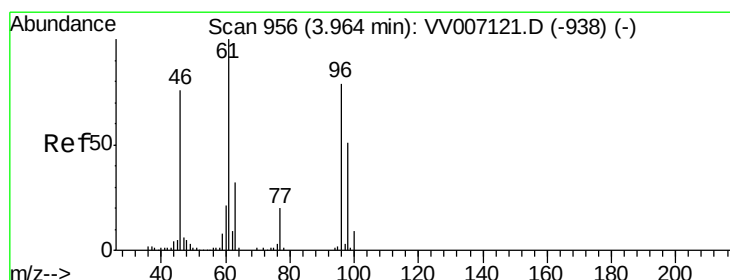
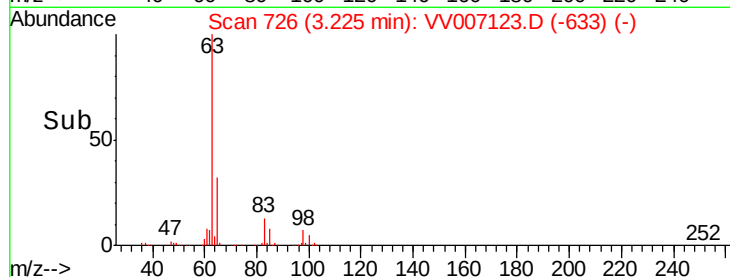
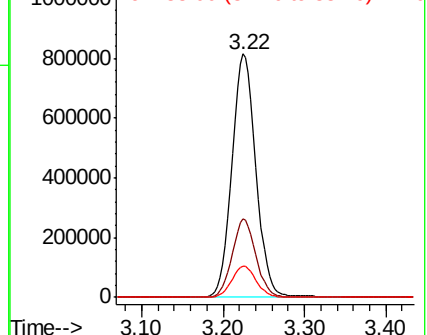
63 100

65 32.0 22.7 42.3

83 13.0 9.4 17.6



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



#20

cis-1,2-Dichloroethene

Concen: 228.047 ug/L

RT: 3.96 min Scan# 956

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

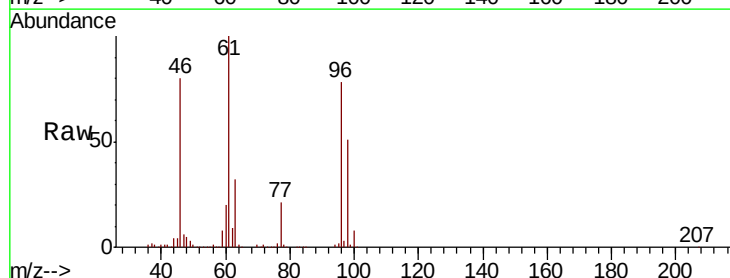
Tgt Ion: 96 Resp: 1012866

Ion Ratio Lower Upper

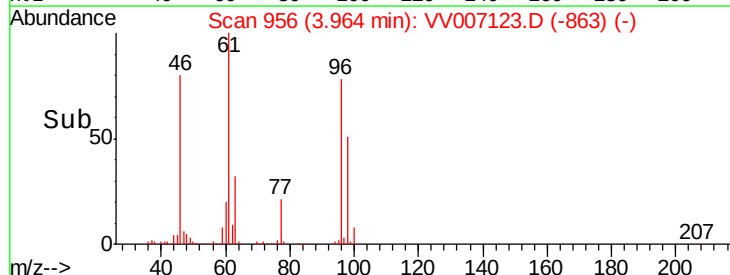
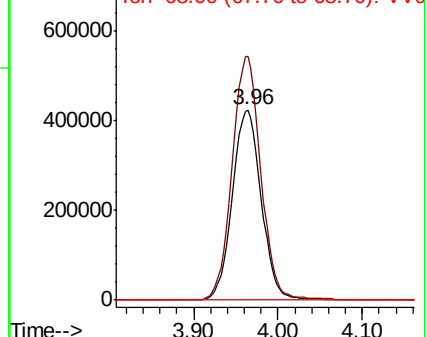
96 100

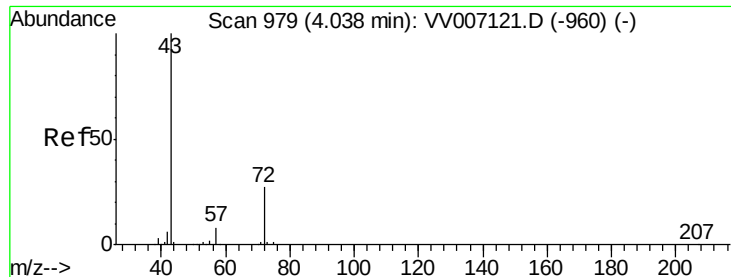
61 128.2 89.0 165.4

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 412.883 ug/L

RT: 4.04 min Scan# 979

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

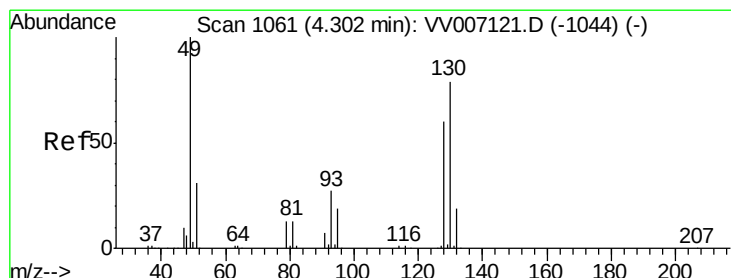
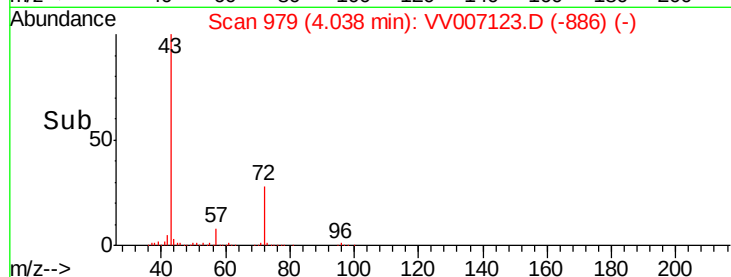
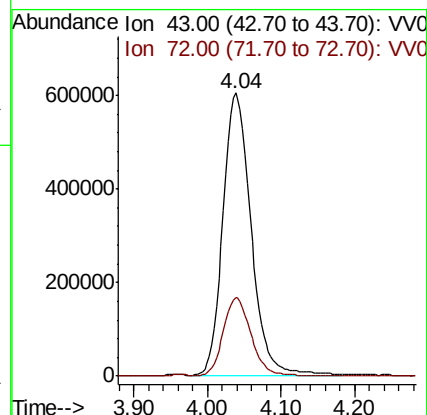
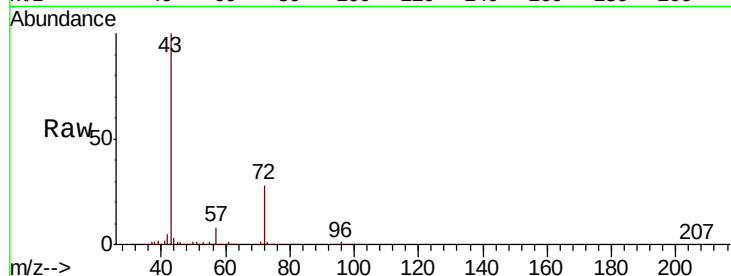
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1598625

Ion Ratio Lower Upper

43 100

72 27.0 13.6 40.8



#23

Bromochloromethane

Concen: 223.311 ug/L

RT: 4.30 min Scan# 1061

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

Tgt Ion: 128 Resp: 494744

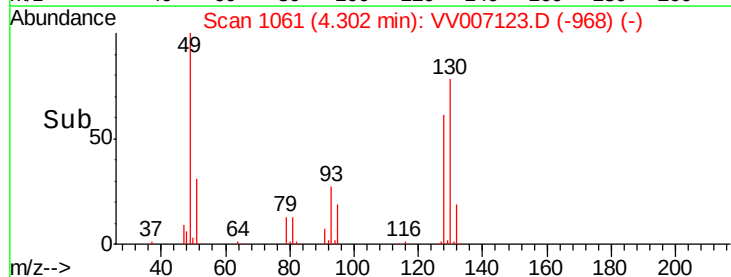
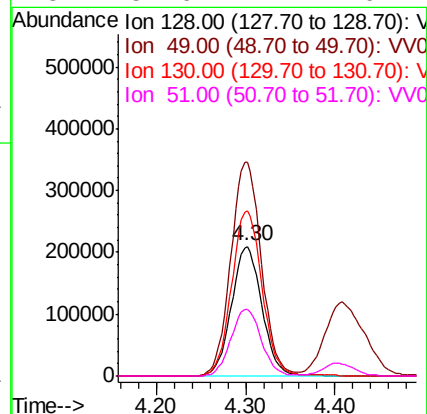
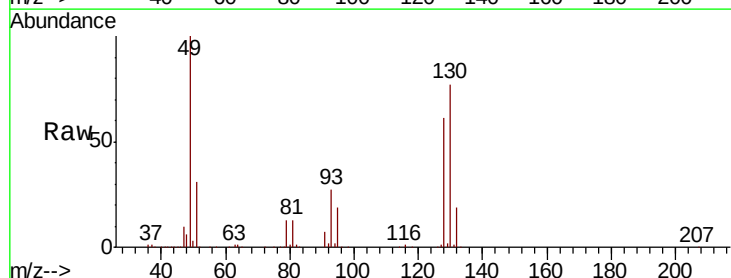
Ion Ratio Lower Upper

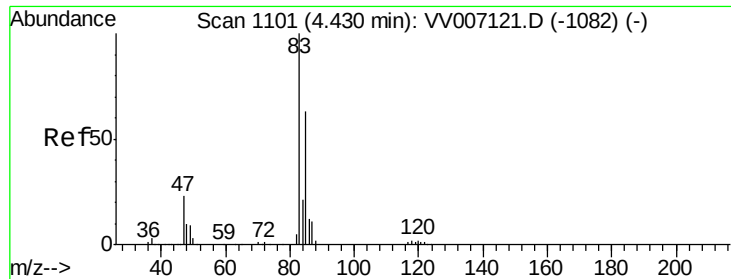
128 100

49 164.7 116.4 216.2

130 127.2 91.6 170.2

51 51.6 41.4 62.2

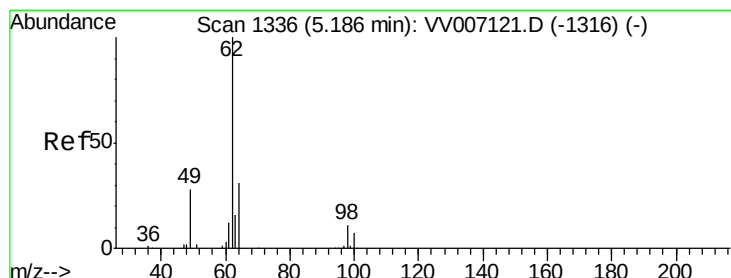
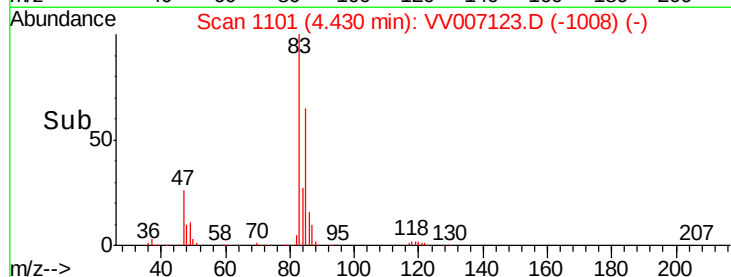
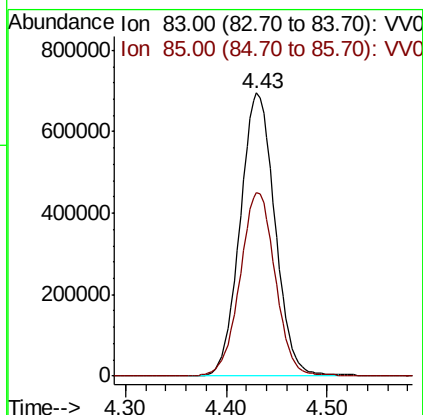
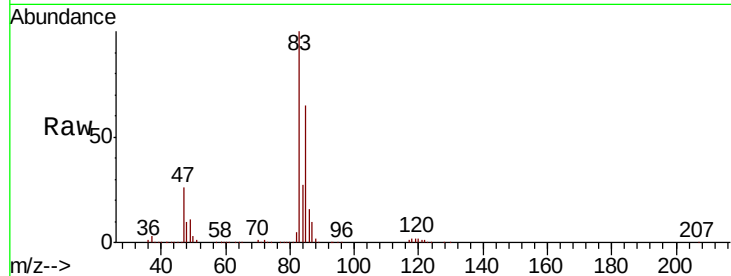




#25
Chloroform
Concen: 201.417 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV007123.D
Acq: 22 Aug 2018 15:50

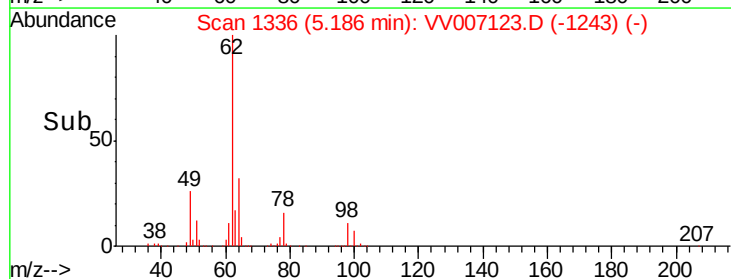
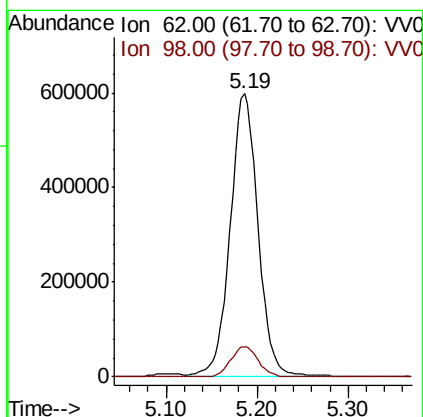
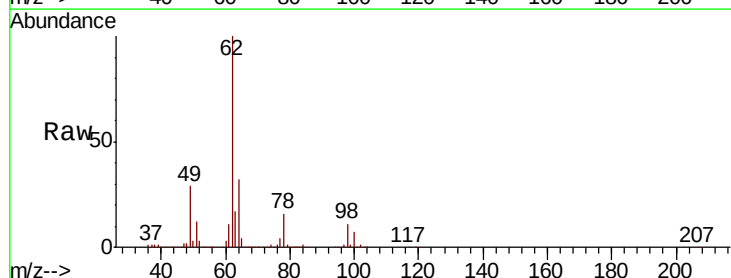
Instrument :
MSVOA_V
ClientSampleId :

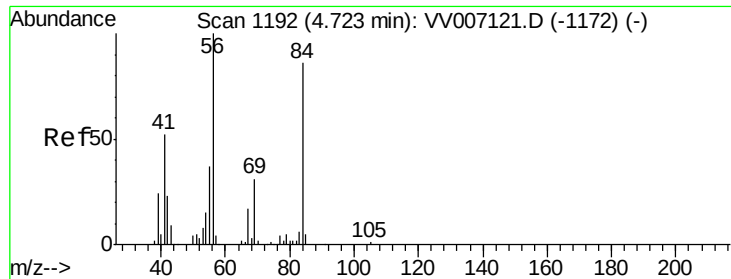
Tot Ion: 83 Resp: 1661238
Ion Ratio Lower Upper
83 100
85 64.9 44.4 82.5



#27
1,2-Dichloroethane
Concen: 178.311 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV007123.D
Acq: 22 Aug 2018 15:50

Tgt Ion: 62 Resp: 1265628
Ion Ratio Lower Upper
62 100
98 10.7 8.7 13.1



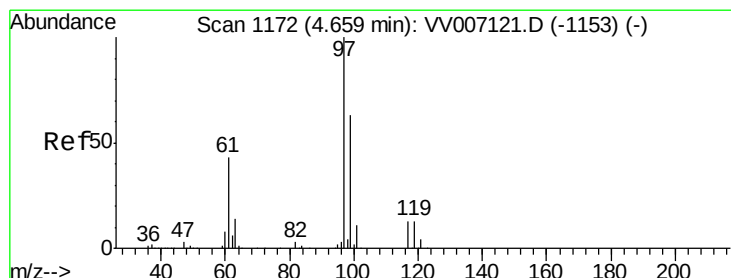
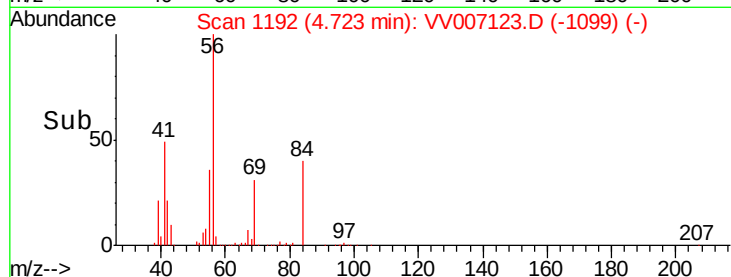
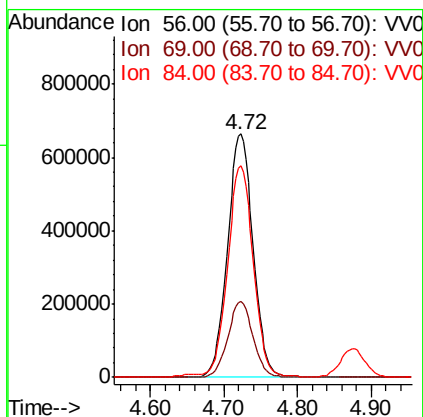
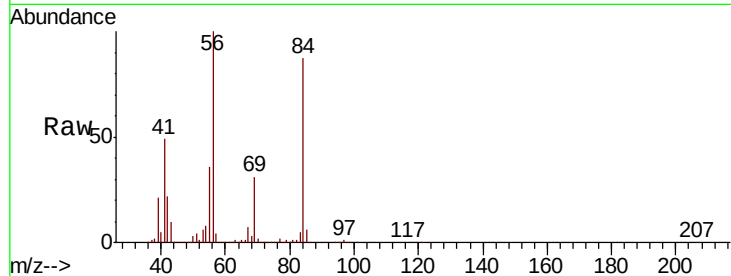


#29
Cyclohexane
Concen: 247.547 ug/L
RT: 4.72 min Scan# 1192
Delta R.T. -0.00 min
Lab File: VV007123.D
Acq: 22 Aug 2018 15:50

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 1599386

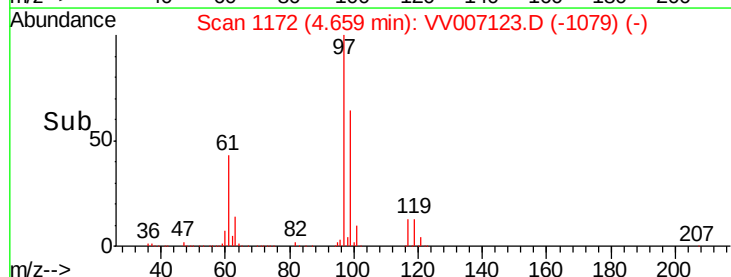
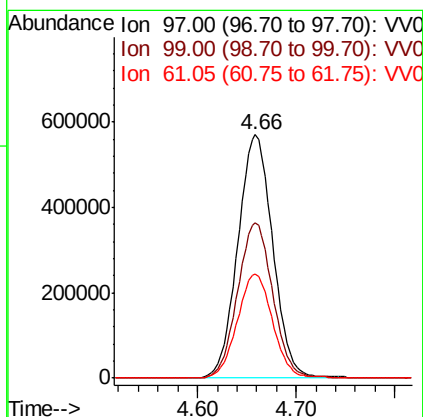
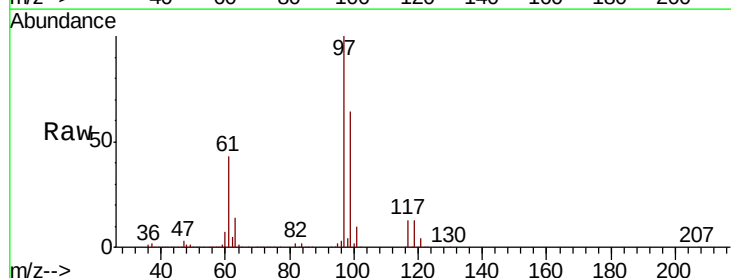
Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.5	36.7
84	86.4	69.0	103.6

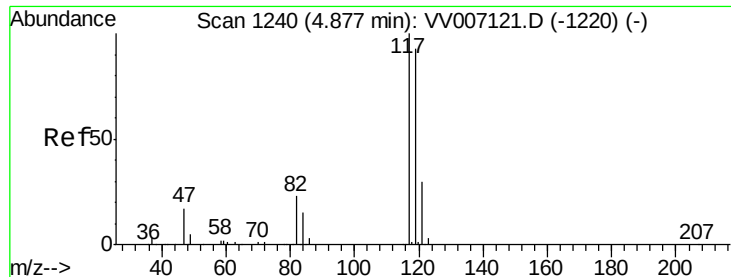


#30
1,1,1-Trichloroethane
Concen: 194.870 ug/L
RT: 4.66 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VV007123.D
Acq: 22 Aug 2018 15:50

Tgt Ion: 97 Resp: 1397603

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	43.6	34.8	52.2





#31

Carbon tetrachloride

Concen: 197.768 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

Instrument :

MSVOA_V

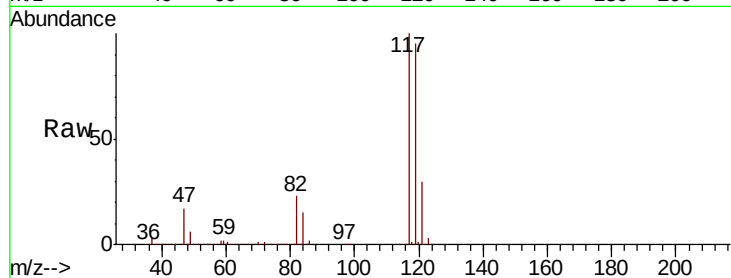
ClientSampled :

Tot Ion:117 Resp: 1211918

Ion Ratio Lower Upper

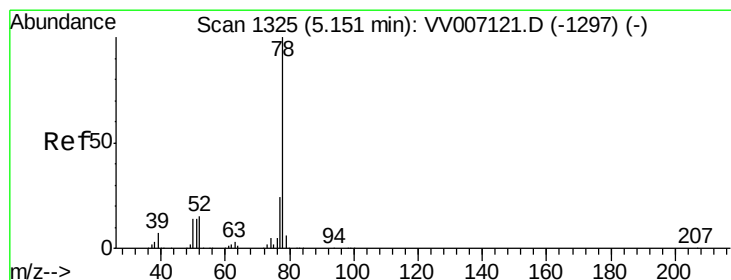
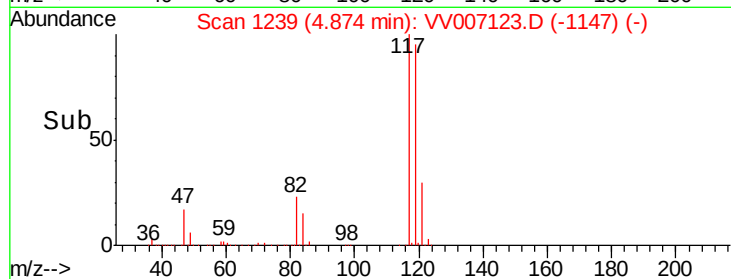
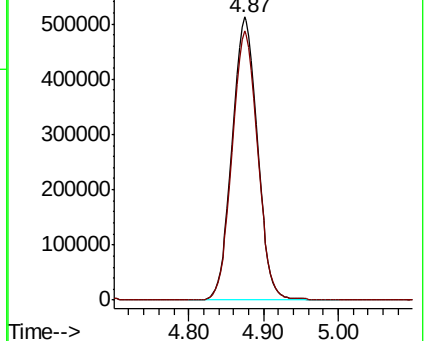
117 100

119 95.7 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 226.756 ug/L

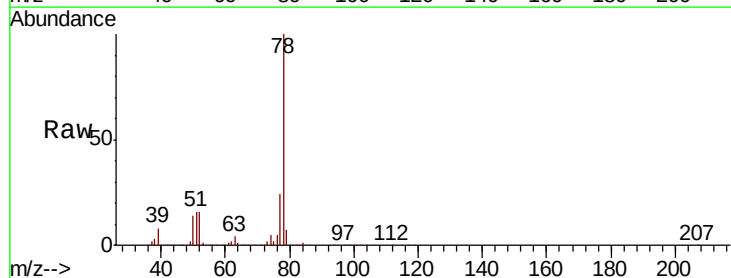
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

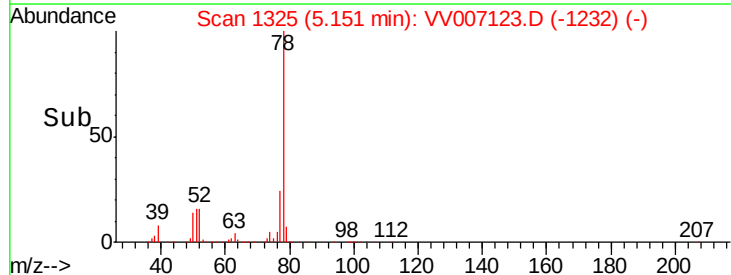
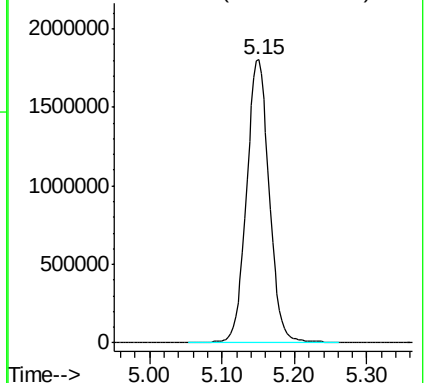
Lab File: VV007123.D

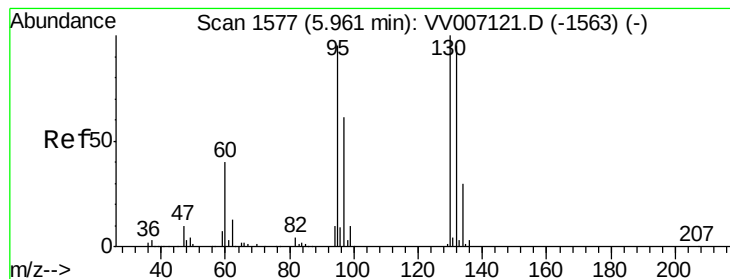
Acq: 22 Aug 2018 15:50

Tgt Ion: 78 Resp: 3932064



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 207.865 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 918711

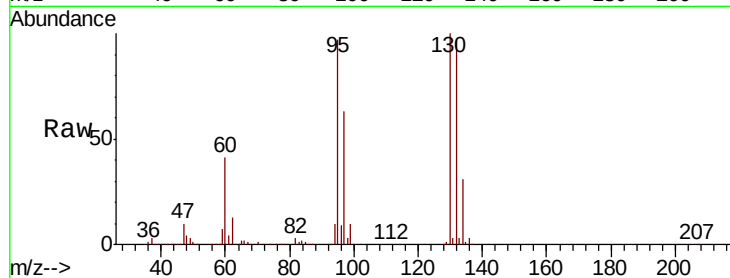
Ion Ratio Lower Upper

95 100

97 65.1 45.1 83.9

132 100.0 69.7 129.4

130 103.1 73.6 136.6

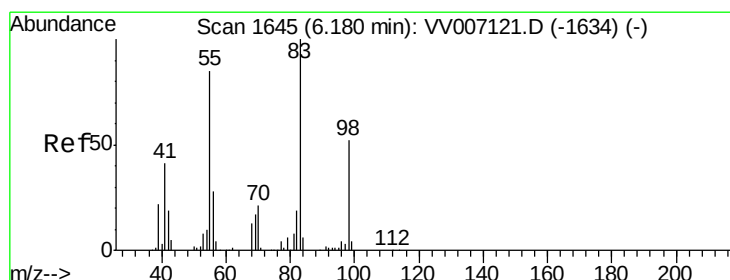
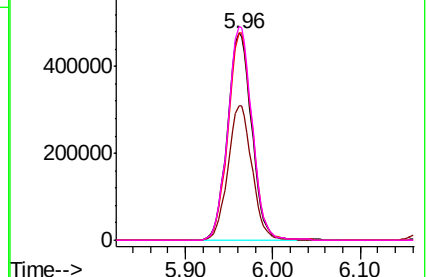
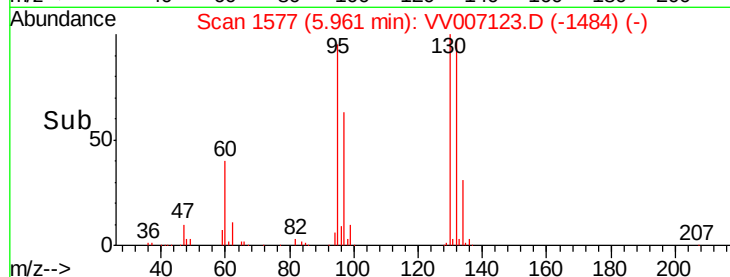


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 250.492 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

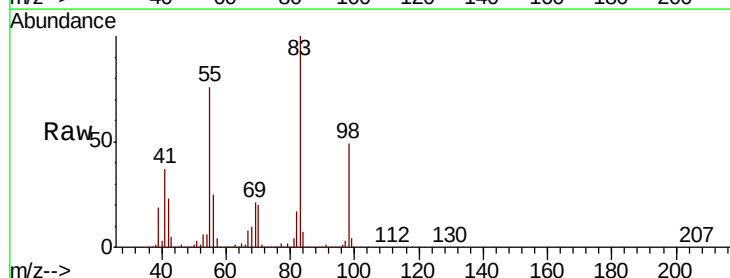
Tgt Ion: 83 Resp: 1679260

Ion Ratio Lower Upper

83 100

55 76.0 65.5 98.3

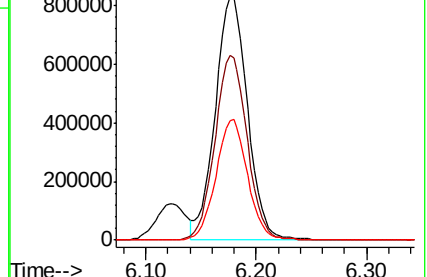
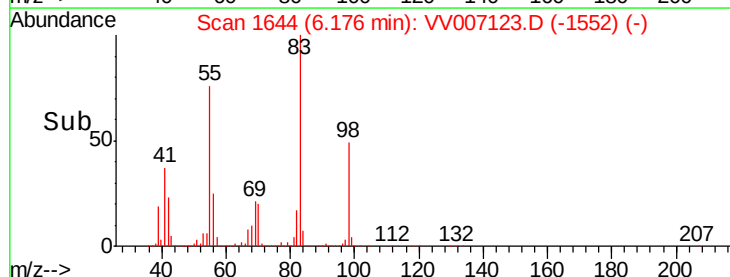
98 48.7 39.2 58.8

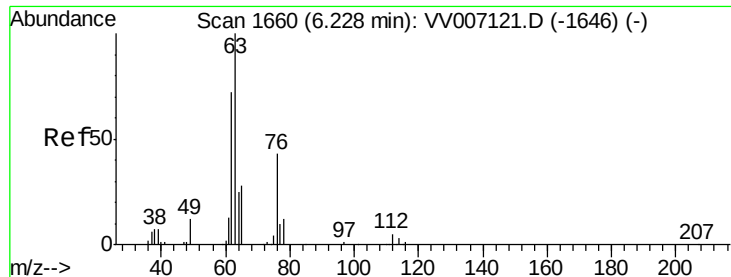


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

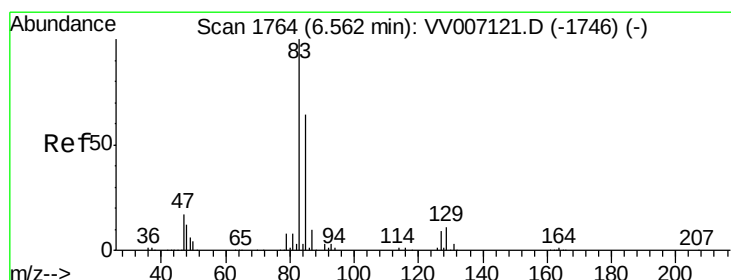
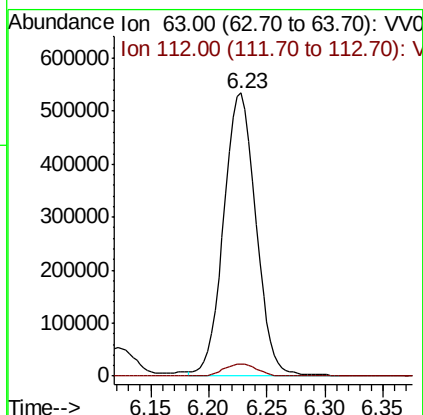
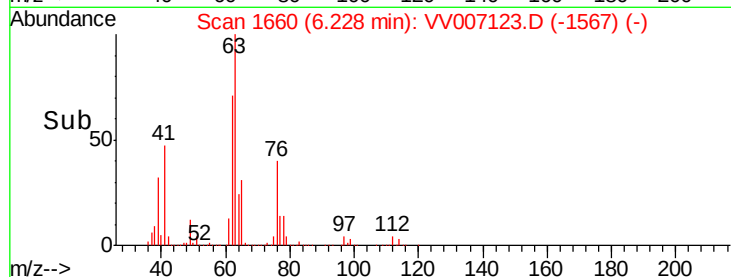
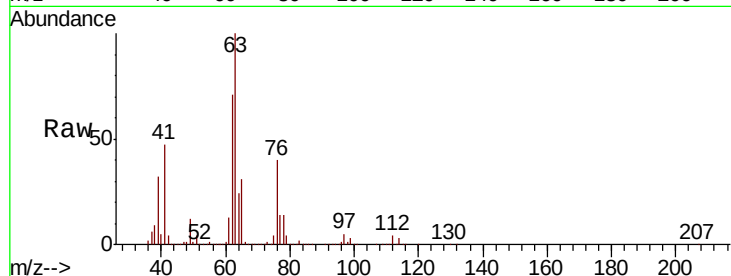




#37
 1,2-Dichloropropane
 Concen: 218.018 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV007123.D
 Acq: 22 Aug 2018 15:50

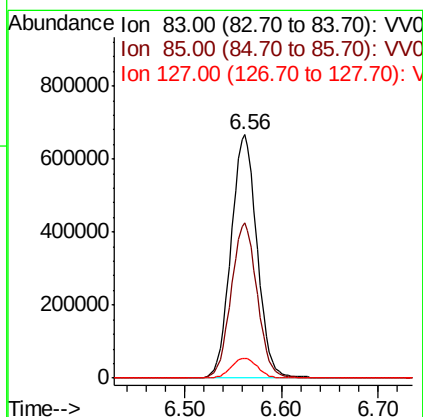
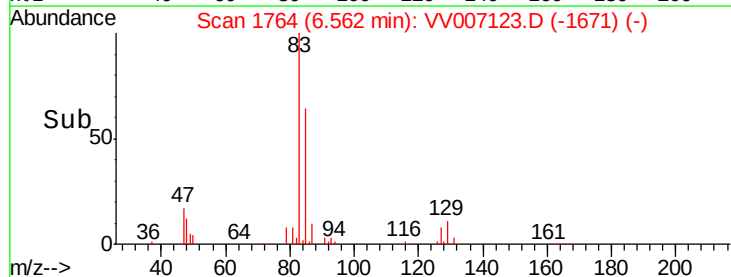
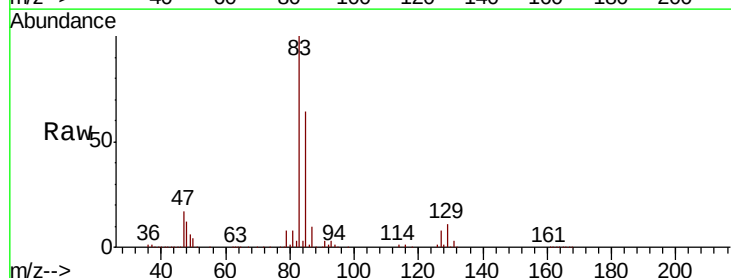
Instrument :
 MSVOA_V
 ClientSampleId :

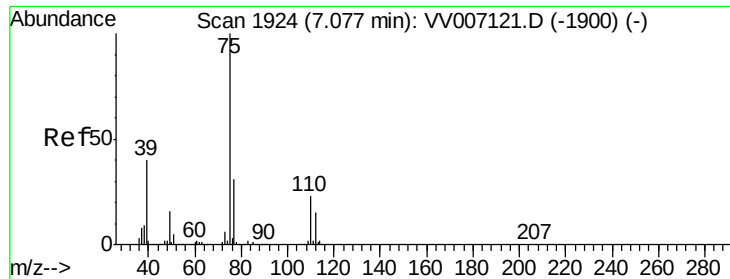
Tot Ion: 63 Resp: 1025348
 Ion Ratio Lower Upper
 63 100
 112 4.4 4.0 6.0



#38
 Bromodichloromethane
 Concen: 207.912 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV007123.D
 Acq: 22 Aug 2018 15:50

Tgt Ion: 83 Resp: 1241766
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.9 83.3
 127 8.3 7.0 10.4



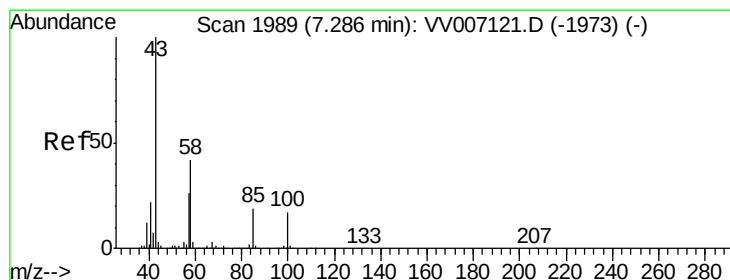
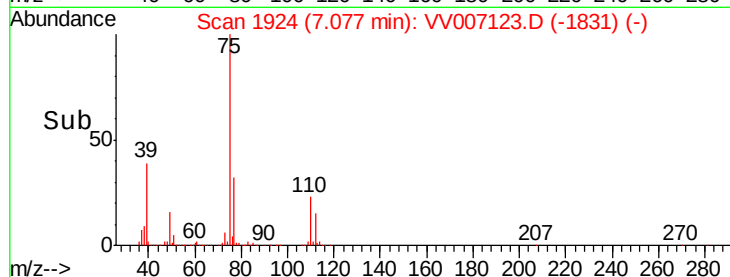
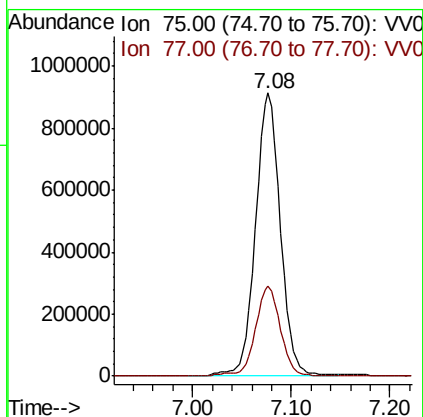
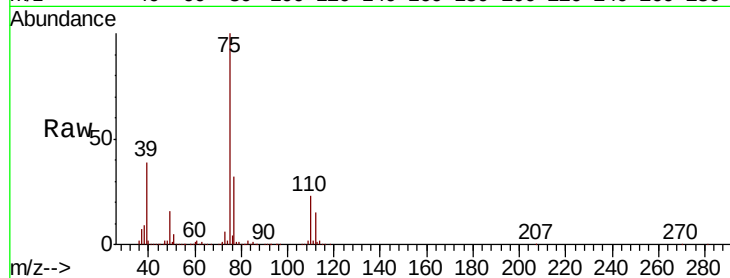


#39

cis-1,3-Dichloropropene
 Concen: 237.711 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV007123.D
 Acq: 22 Aug 2018 15:50

Instrument :
 MSVOA_V
 ClientSampled :

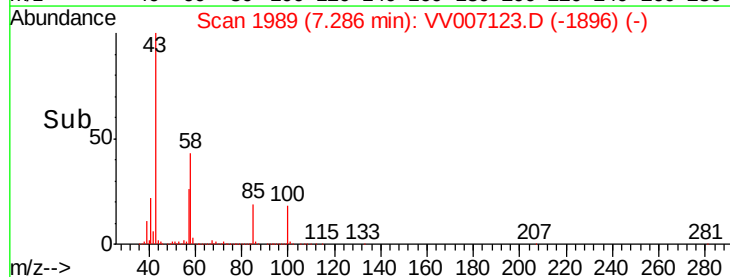
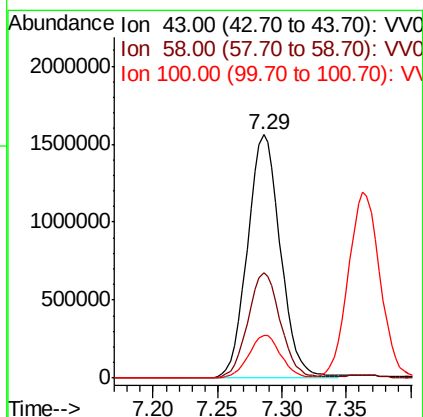
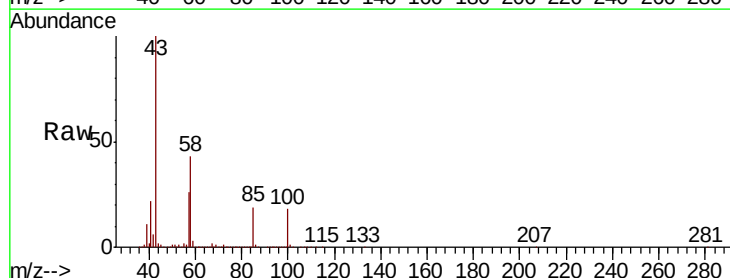
Tot Ion: 75 Resp: 1583734
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.8 40.4

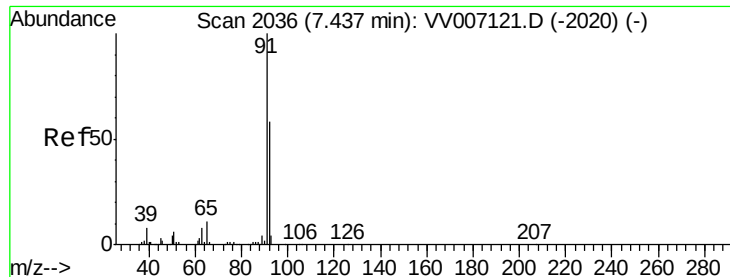


#40

4-Methyl-2-pentanone
 Concen: 409.684 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VV007123.D
 Acq: 22 Aug 2018 15:50

Tgt Ion: 43 Resp: 2784946
 Ion Ratio Lower Upper
 43 100
 58 43.0 33.4 50.0
 100 17.3 13.1 19.7





#42

Toluene

Concen: 217.284 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

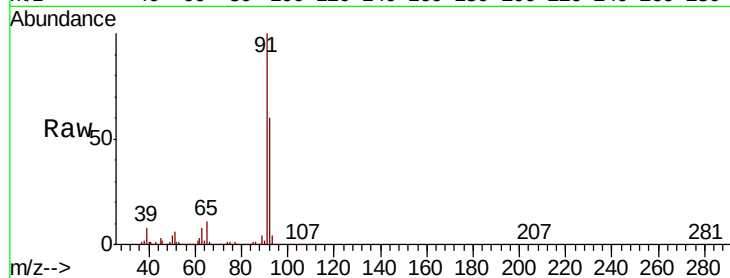
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 4000530

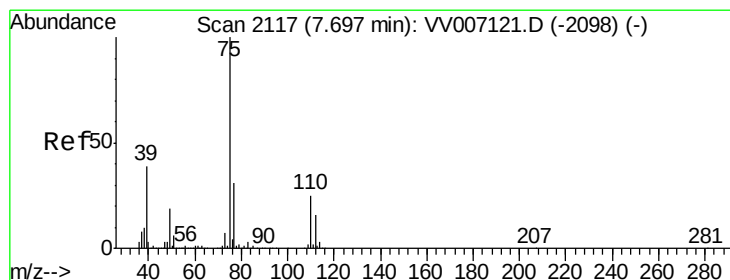
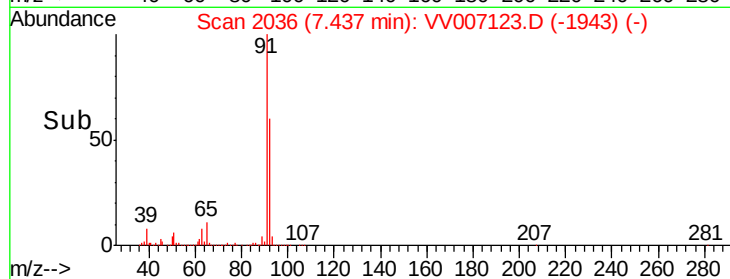
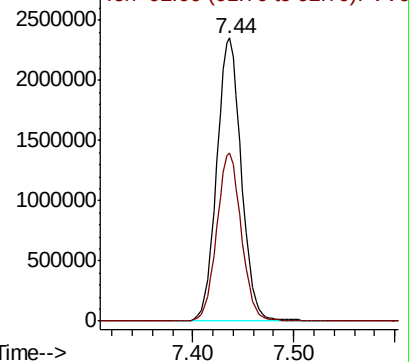
Ion Ratio Lower Upper

91 100

92 59.6 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV007123.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 227.529 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007123.D

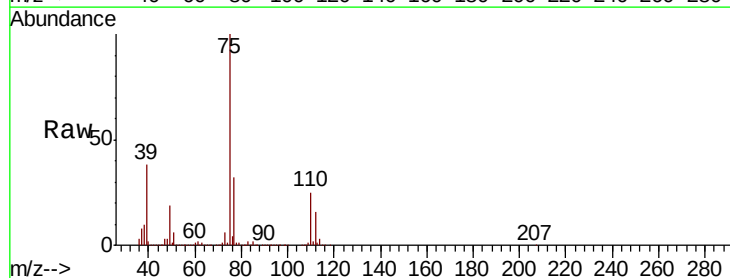
Acq: 22 Aug 2018 15:50

Tgt Ion: 75 Resp: 1463206

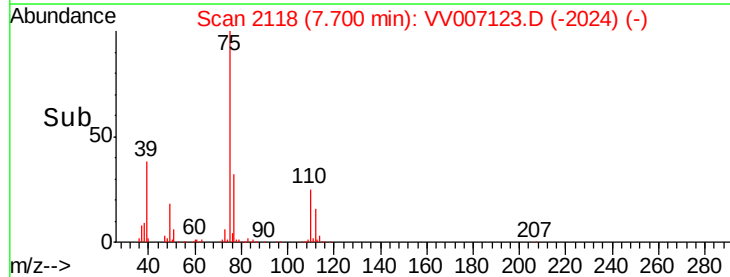
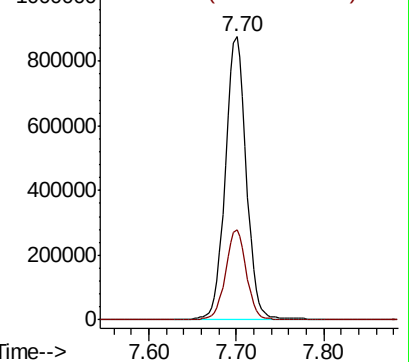
Ion Ratio Lower Upper

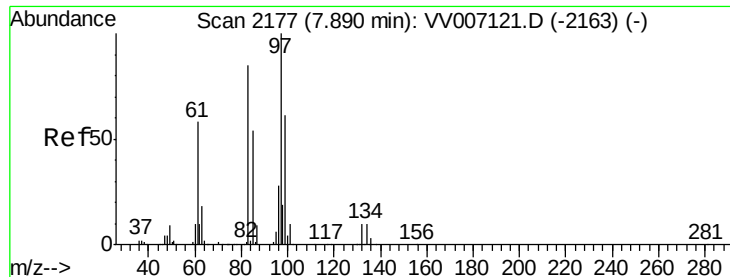
75 100

77 31.7 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV007123.D (-2024) (-)

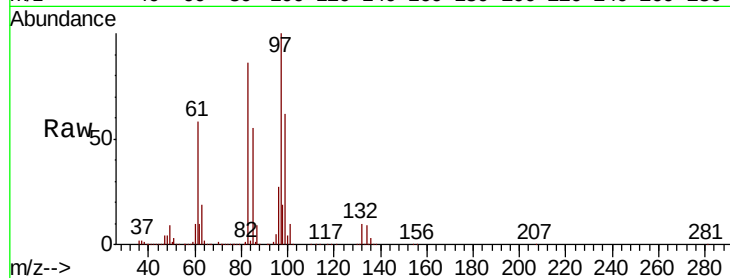




#45
1,1,2-Trichloroethane
Concen: 211.675 ug/L
RT: 7.89 min Scan# 2177
Delta R.T. -0.00 min
Lab File: VV007123.D
Acq: 22 Aug 2018 15:50

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	948589
Ion	Ratio	Lower	Upper
97	100		
99	62.5	42.8	79.4
83	85.6	59.6	110.8
85	55.3	37.6	69.8



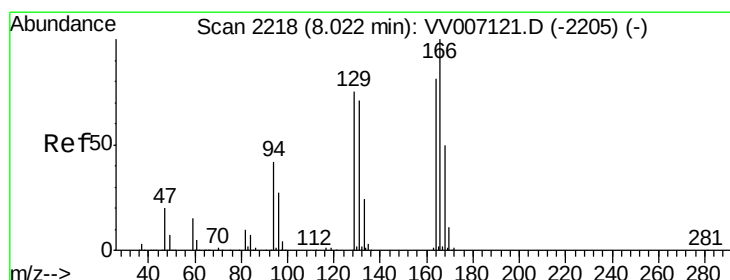
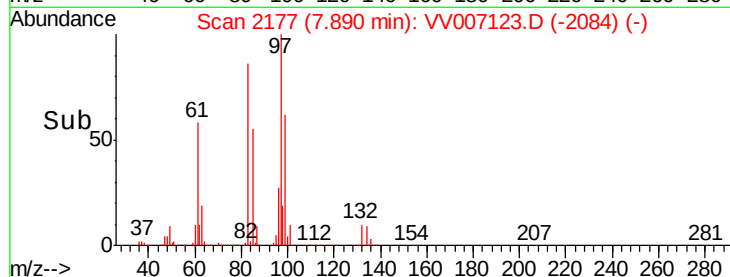
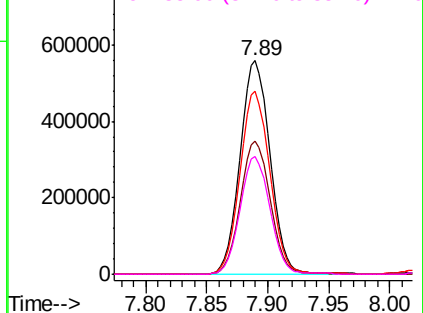
Abundance

Ion 97.00 (96.70 to 97.70): VV007123.D (-2163) (-)

Ion 99.00 (98.70 to 99.70): VV007123.D (-2163) (-)

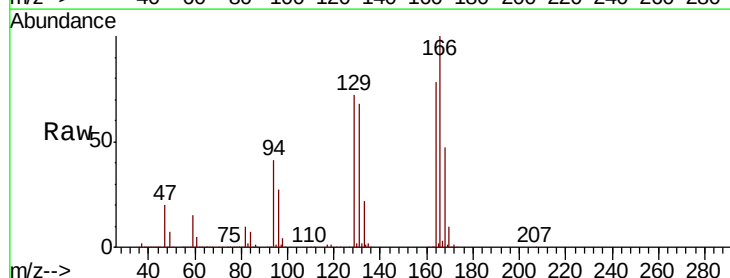
Ion 83.00 (82.70 to 83.70): VV007123.D (-2163) (-)

Ion 85.00 (84.70 to 85.70): VV007123.D (-2163) (-)



#46
Tetrachloroethene
Concen: 221.956 ug/L
RT: 8.02 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VV007123.D
Acq: 22 Aug 2018 15:50

Tgt Ion:	164	Resp:	769038
Ion	Ratio	Lower	Upper
164	100		
129	92.4	64.5	119.9
131	87.4	61.7	114.7
166	127.9	86.5	160.6



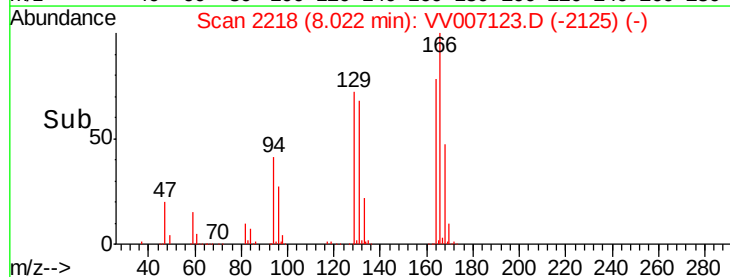
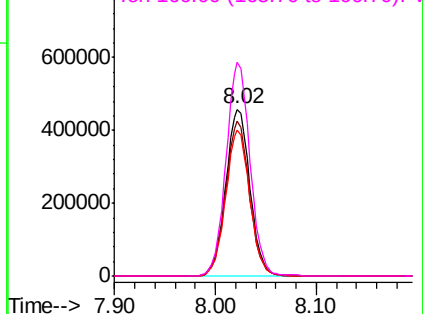
Abundance

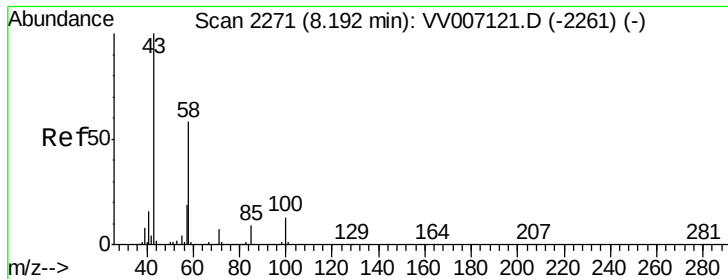
Ion 164.00 (163.70 to 164.70): VV007123.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VV007123.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VV007123.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VV007123.D (-2205) (-)

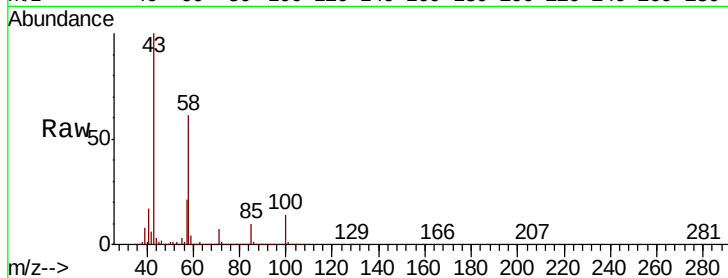




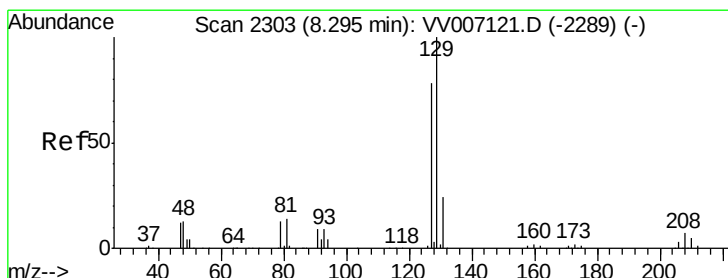
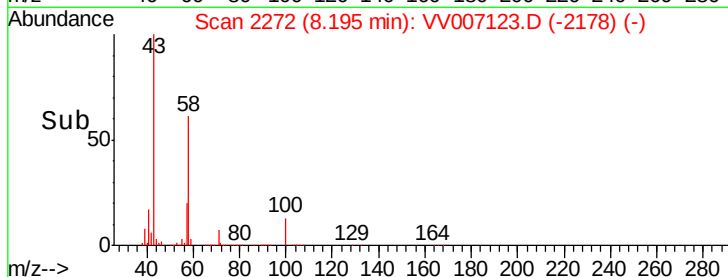
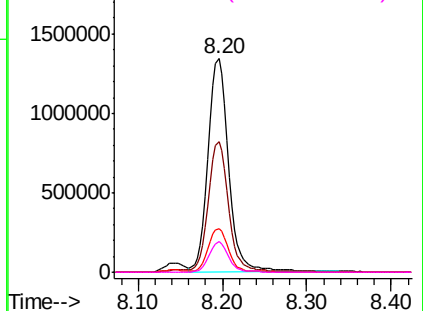
#48
2-Hexanone
Concen: 404.751 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007123.D
Acq: 22 Aug 2018 15:50

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 2273795
Ion Ratio Lower Upper
43 100
58 60.4 47.9 71.9
57 19.7 15.8 23.8
100 13.6 10.6 16.0

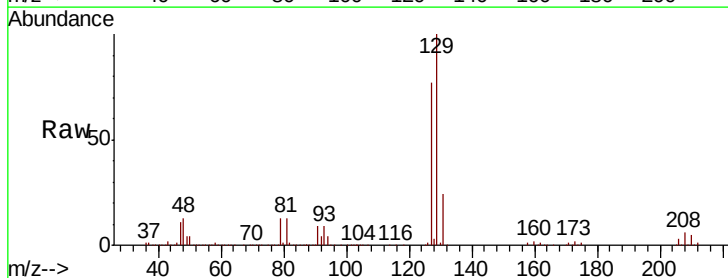


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

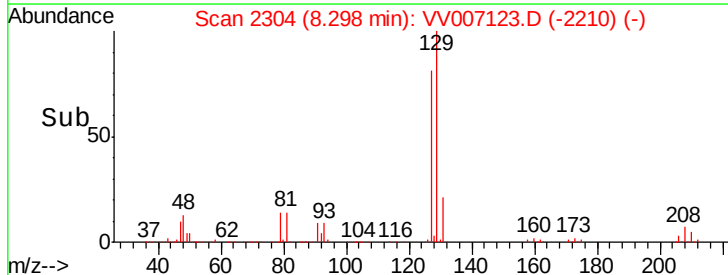
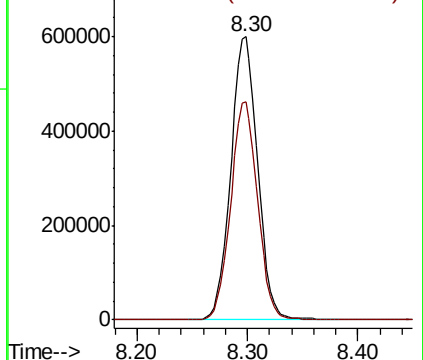


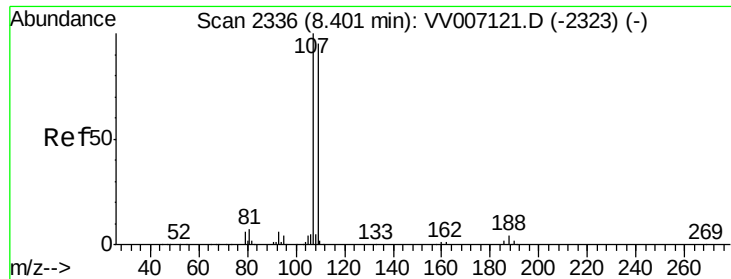
#49
Dibromochloromethane
Concen: 219.966 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV007123.D
Acq: 22 Aug 2018 15:50

Tgt Ion: 129 Resp: 1010527
Ion Ratio Lower Upper
129 100
127 77.2 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

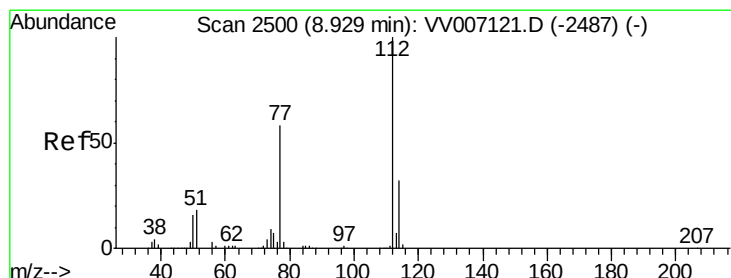
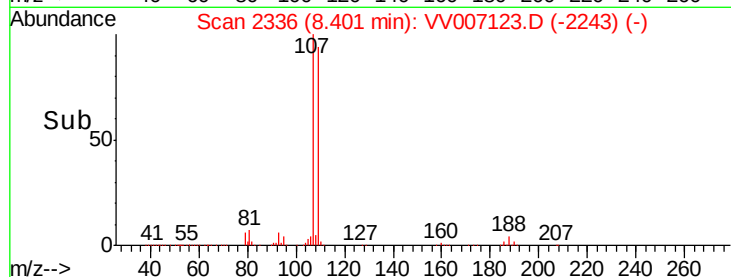
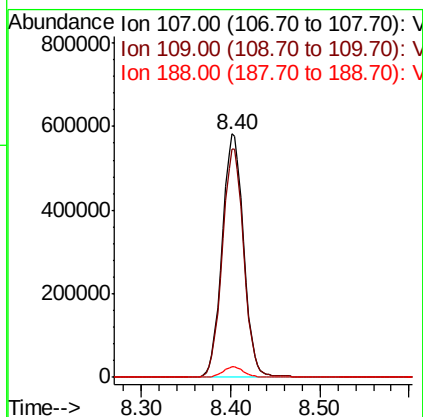
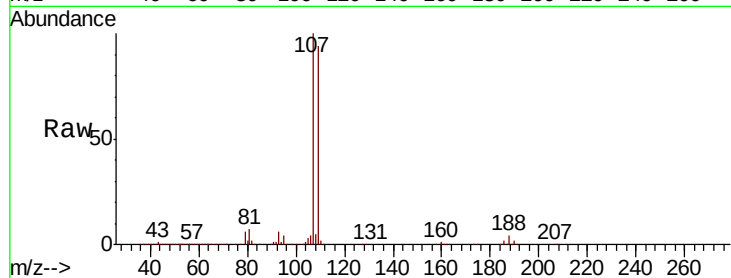




#50
1,2-Dibromoethane
Concen: 210.095 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV007123.D
Acq: 22 Aug 2018 15:50

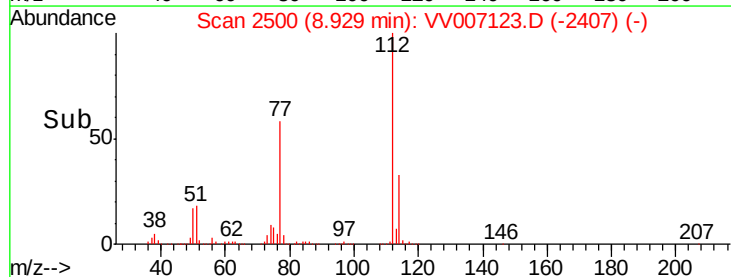
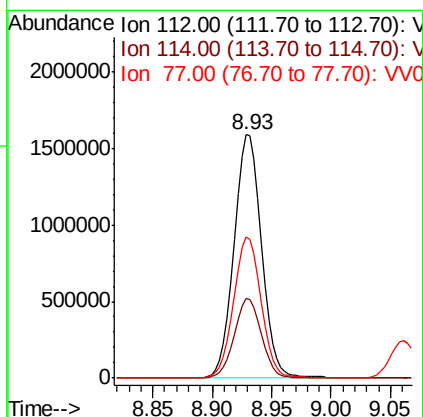
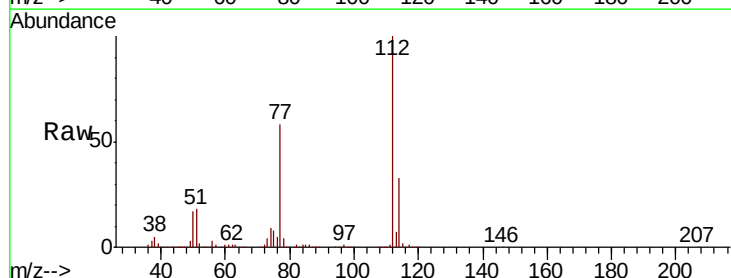
Instrument :
MSVOA_V
ClientSampleId :

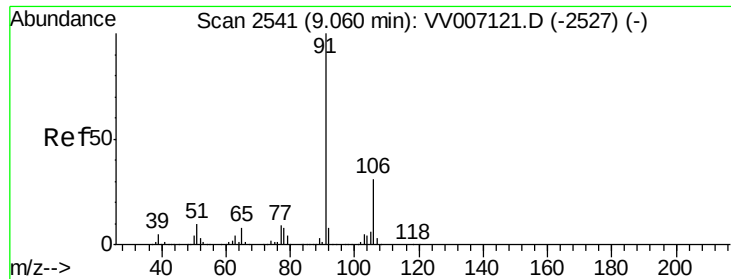
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.5	123.5
188	4.1	3.3	4.9



#51
Chlorobenzene
Concen: 208.570 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV007123.D
Acq: 22 Aug 2018 15:50

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.3	41.3
77	57.9	46.6	70.0





#52

Ethylbenzene

Concen: 214.752 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

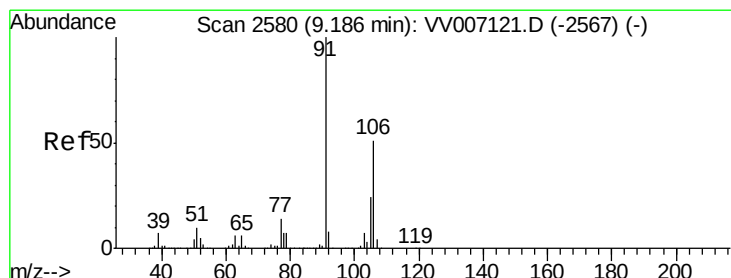
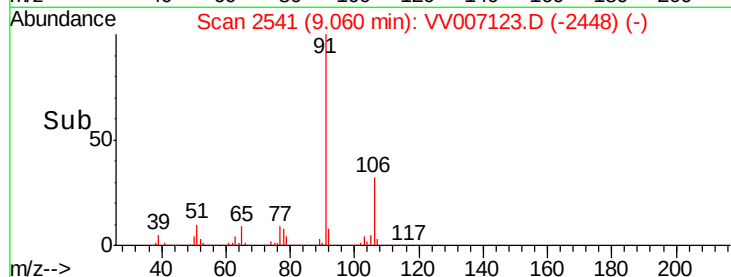
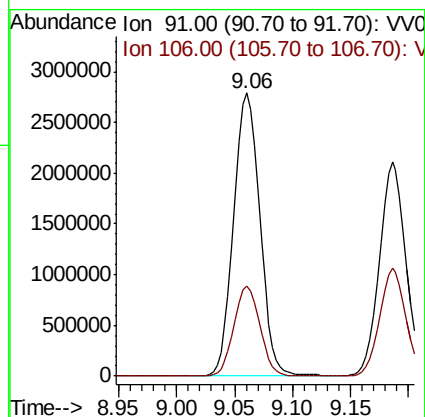
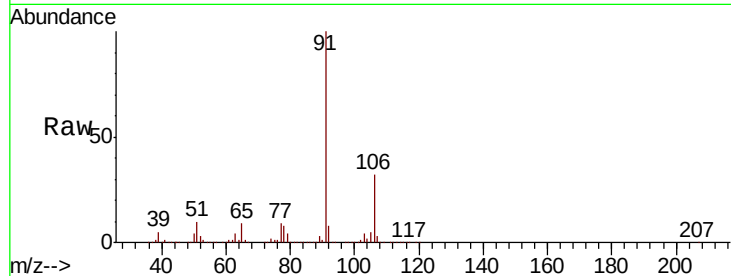
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 4368907

Ion Ratio Lower Upper

91 100

106 31.8 21.4 39.8



#53

m,p-Xylene

Concen: 226.698 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007123.D

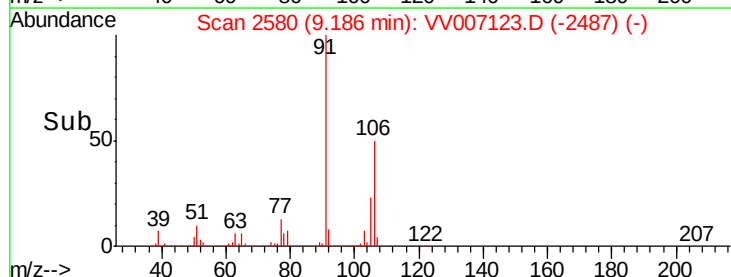
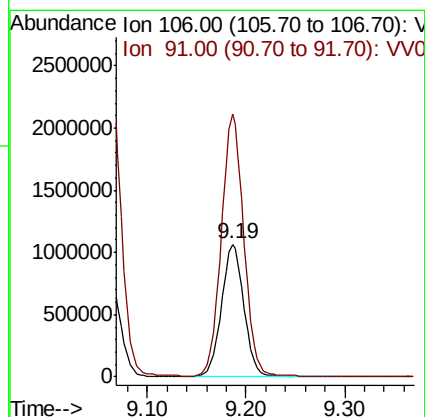
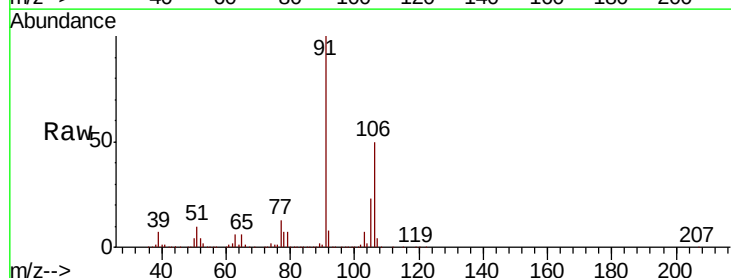
Acq: 22 Aug 2018 15:50

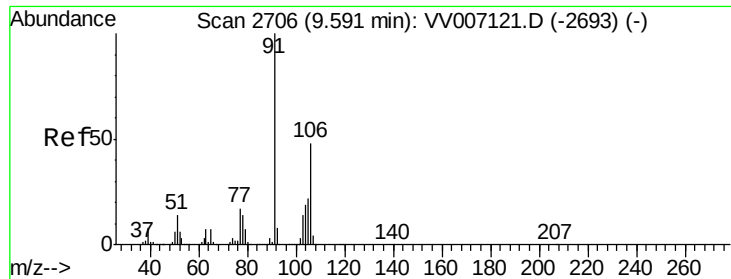
Tgt Ion: 106 Resp: 1697869

Ion Ratio Lower Upper

106 100

91 198.3 138.7 257.5





#54

o-xylene

Concen: 221.638 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

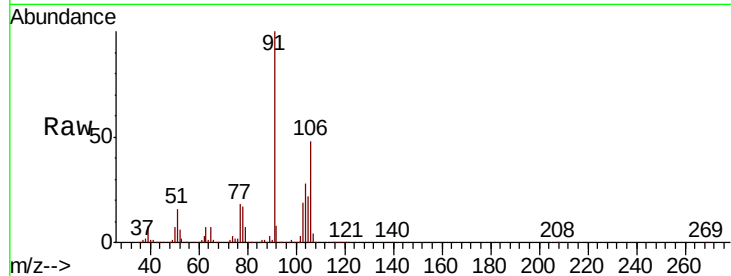
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 1665879

Ion Ratio Lower Upper

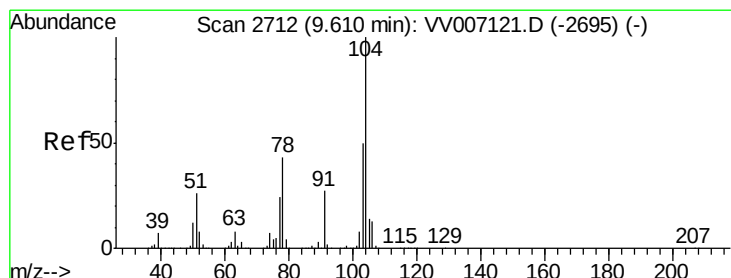
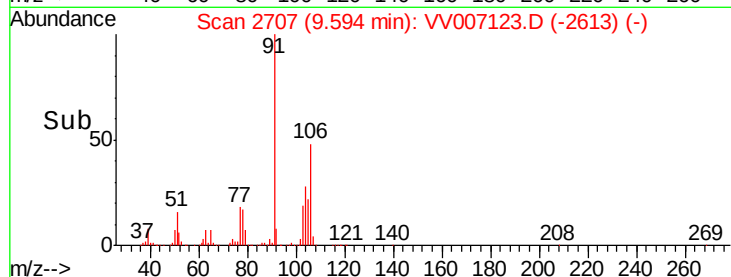
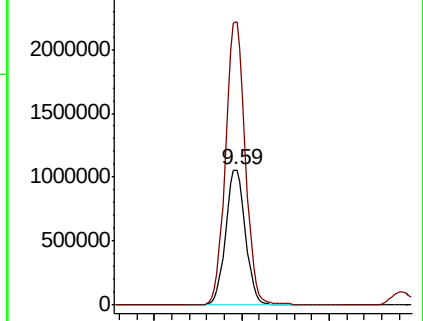
106 100

91 209.0 146.3 271.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 228.163 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV007123.D

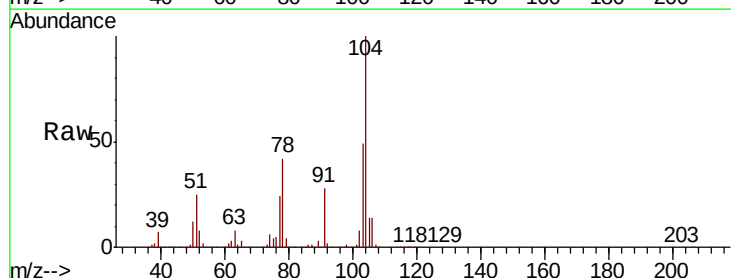
Acq: 22 Aug 2018 15:50

Tgt Ion:104 Resp: 2956957

Ion Ratio Lower Upper

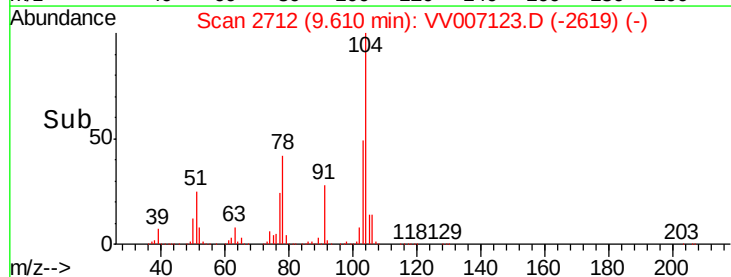
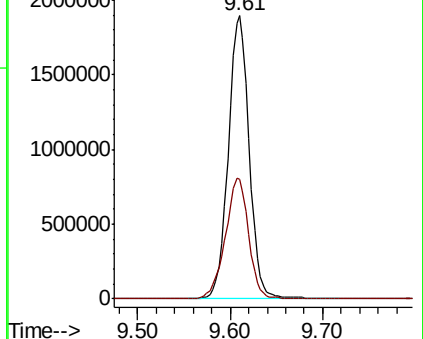
104 100

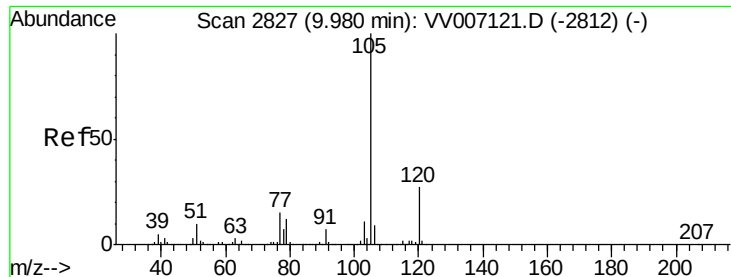
78 42.3 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 214.555 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

Instrument :

MSVOA_V

ClientSampleId :

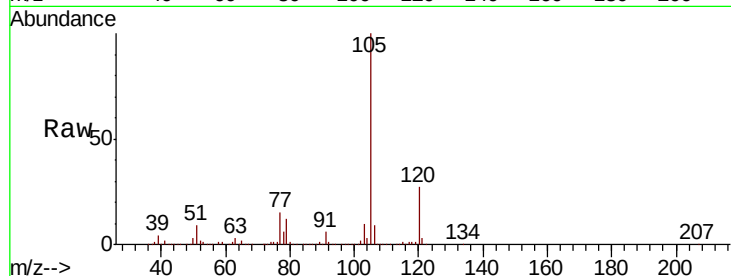
Tot Ion:105 Resp: 4299834

Ion Ratio Lower Upper

105 100

120 26.9 21.0 31.4

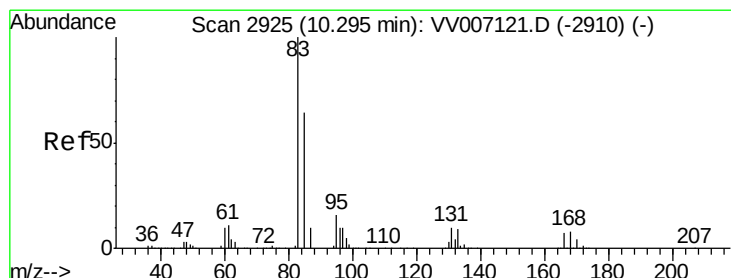
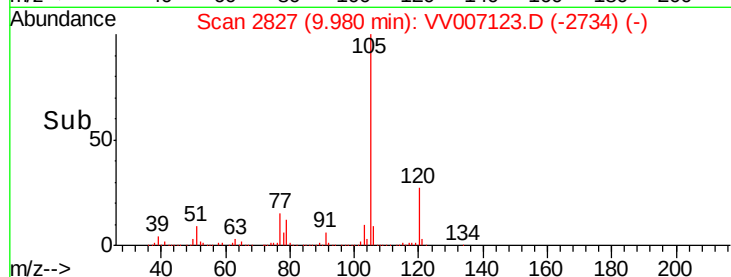
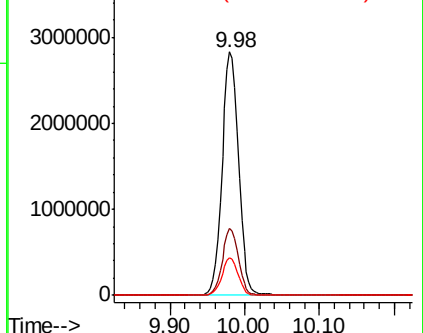
77 15.1 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 221.628 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

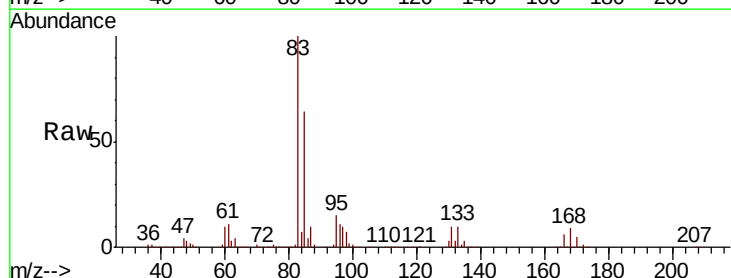
Tgt Ion: 83 Resp: 1707459

Ion Ratio Lower Upper

83 100

85 64.1 45.2 84.0

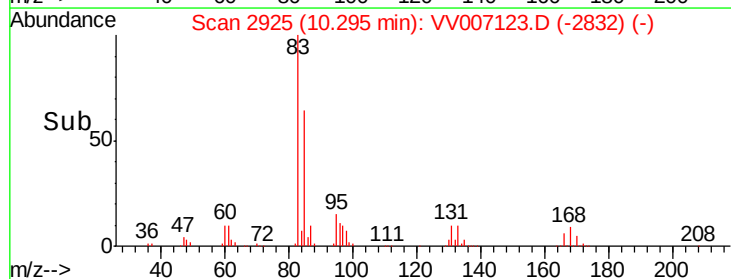
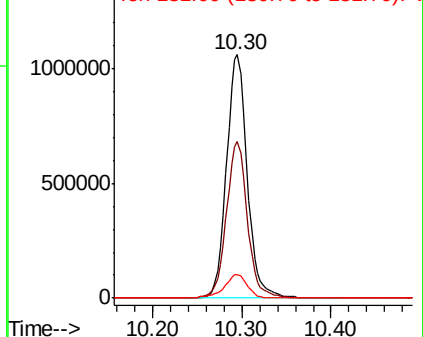
131 9.7 7.8 11.8

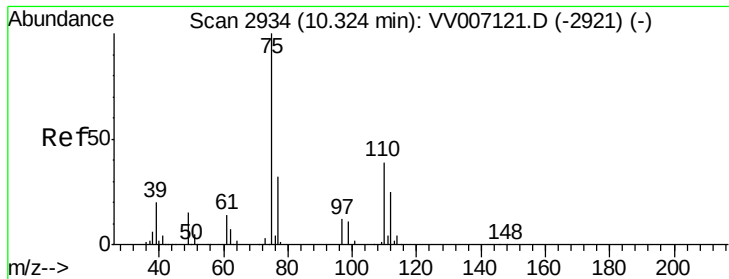


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 214.596 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

Instrument :

MSVOA_V

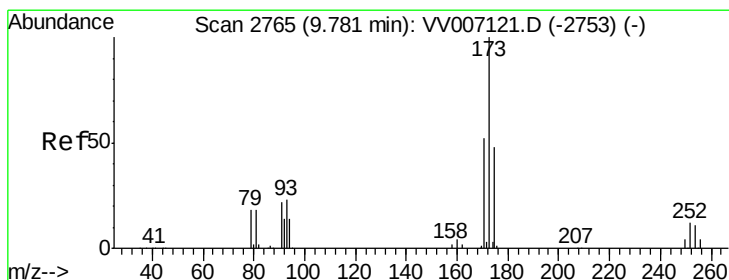
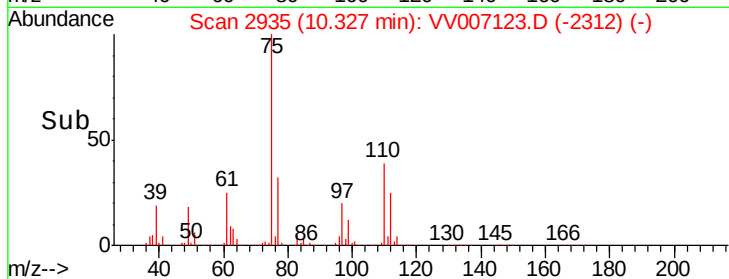
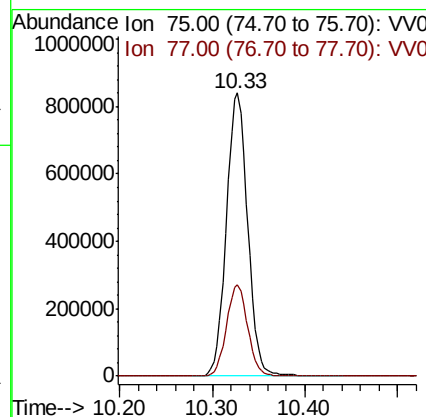
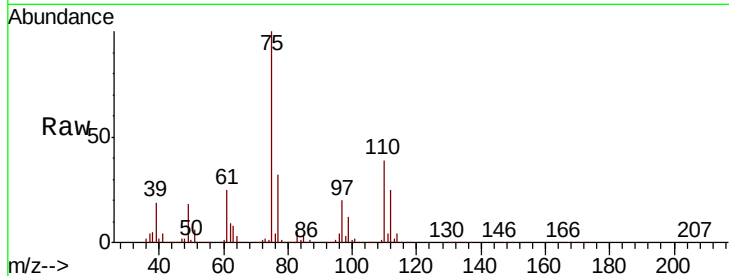
ClientSampleId :

Tot Ion: 75 Resp: 1337712

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



#61

Bromoform

Concen: 219.869 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

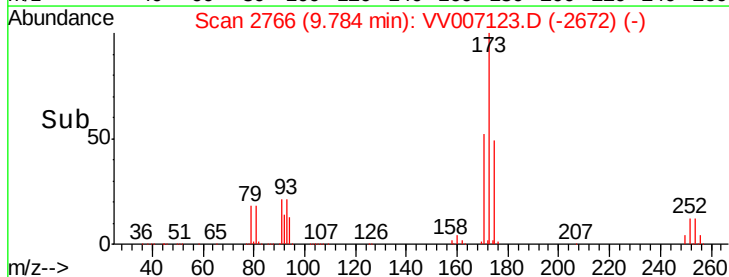
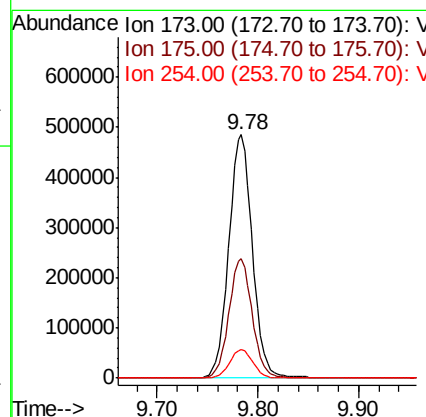
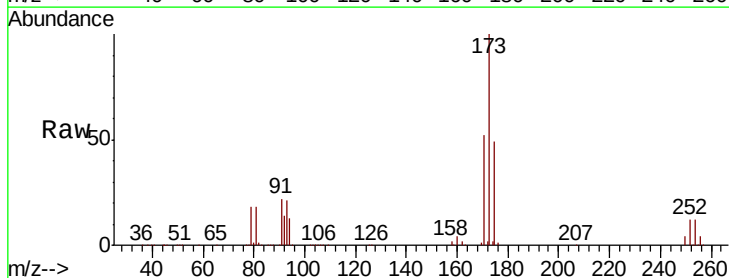
Tgt Ion: 173 Resp: 794744

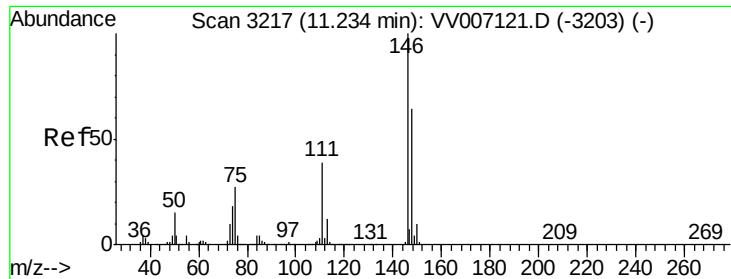
Ion Ratio Lower Upper

173 100

175 48.6 37.9 56.9

254 11.7 9.2 13.8





#62

1,3-Dichlorobenzene

Concen: 197.851 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

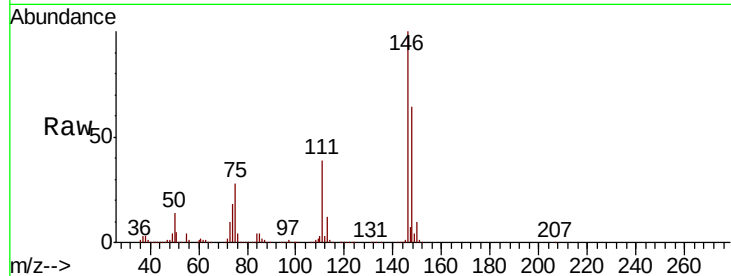
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146 Resp: 2076952

Ion	Ratio	Lower	Upper
146	100		
111	38.9	27.1	50.3
148	64.3	44.5	82.7

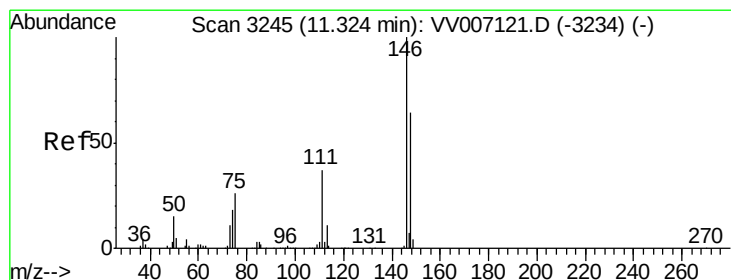
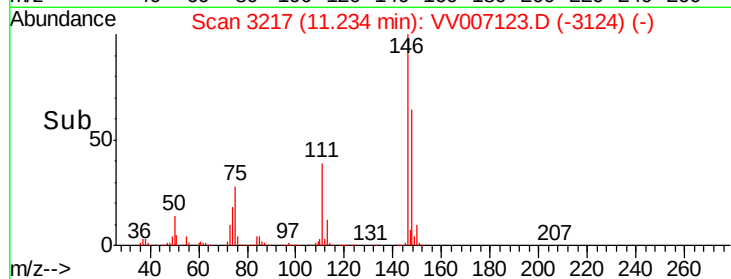
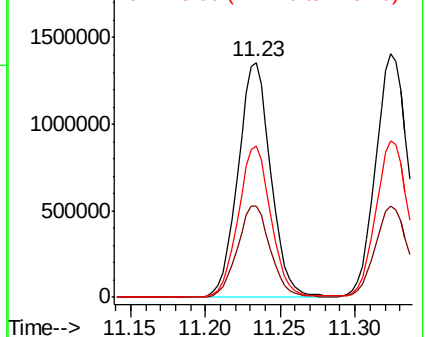


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 192.250 ug/L

RT: 11.32 min Scan# 3245

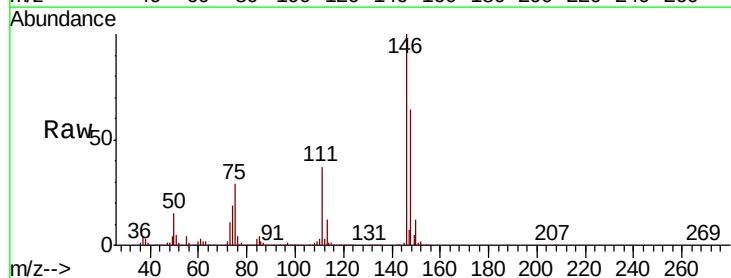
Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

Tgt Ion:146 Resp: 2172934

Ion	Ratio	Lower	Upper
146	100		
111	37.4	26.2	48.6
148	64.3	44.7	82.9

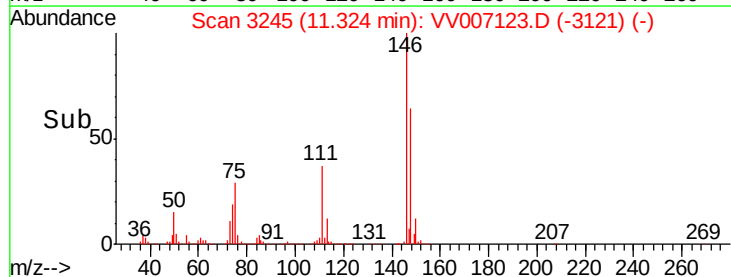
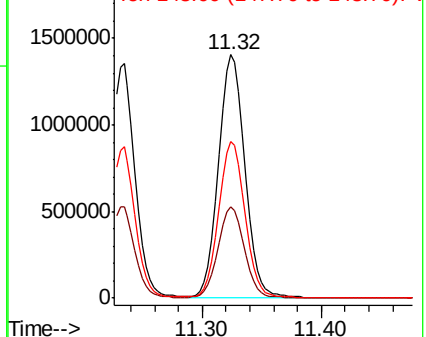


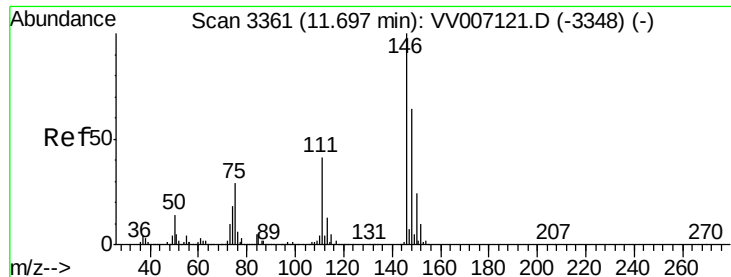
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 194.907 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

Instrument :

MSVOA_V

ClientSampleId :

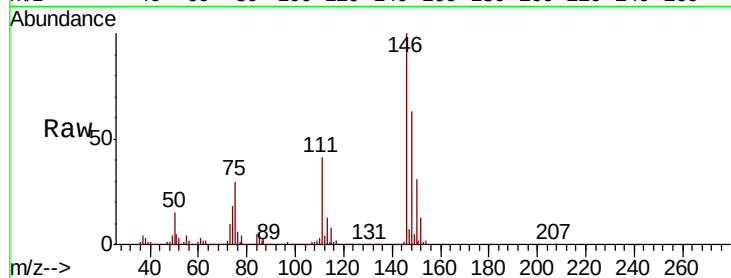
Tot Ion:146 Resp: 2219622

Ion Ratio Lower Upper

146 100

111 40.9 32.5 48.7

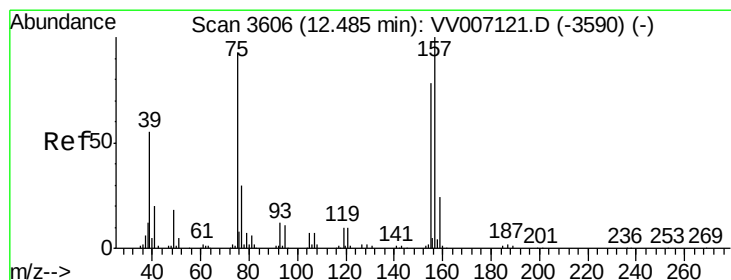
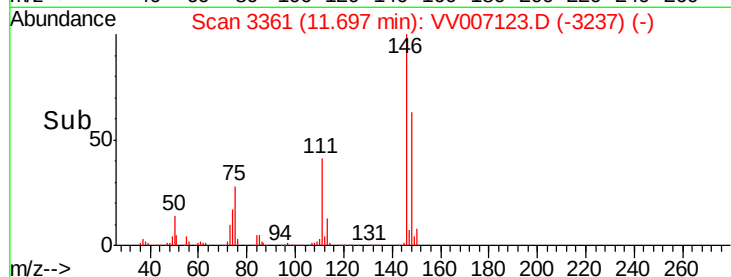
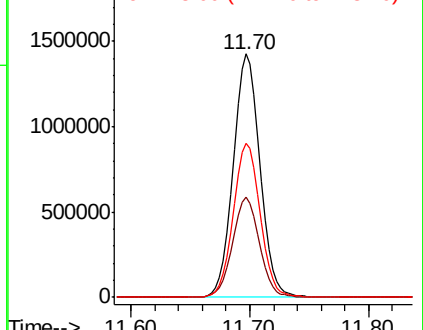
148 63.4 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 190.026 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

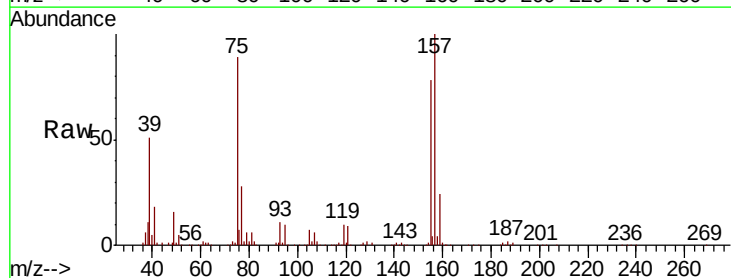
Tgt Ion: 75 Resp: 340374

Ion Ratio Lower Upper

75 100

155 87.9 66.8 100.2

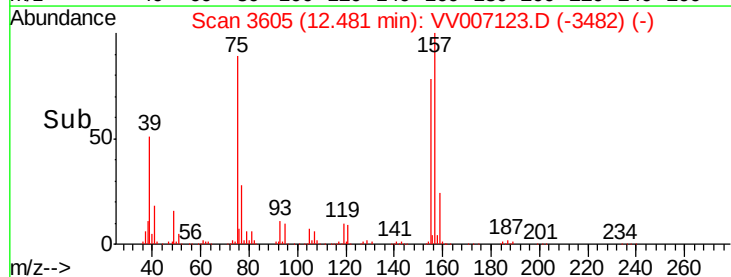
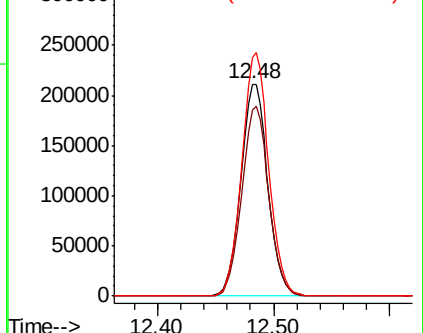
157 112.4 85.8 128.8

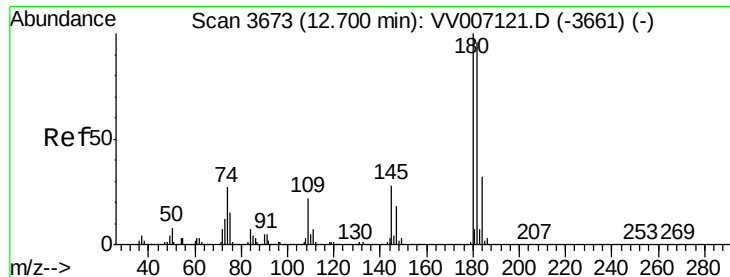


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

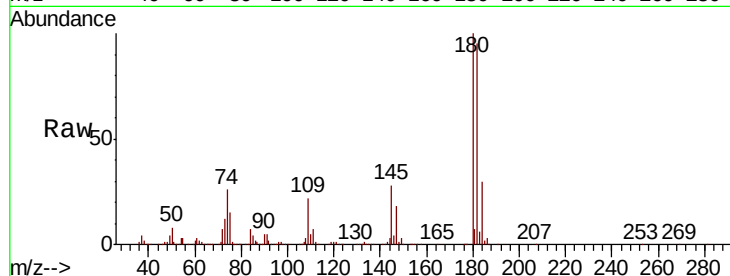




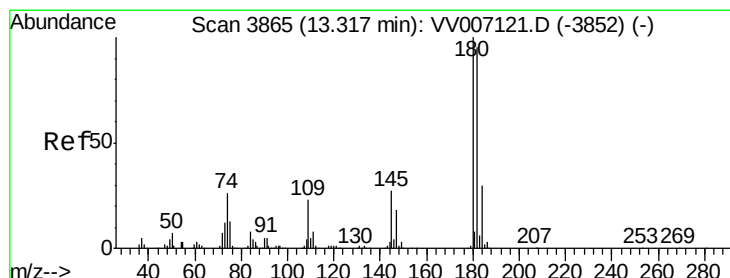
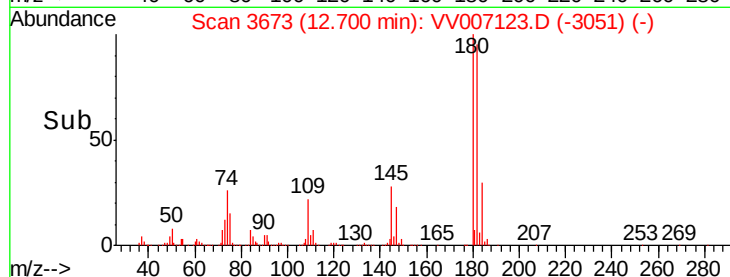
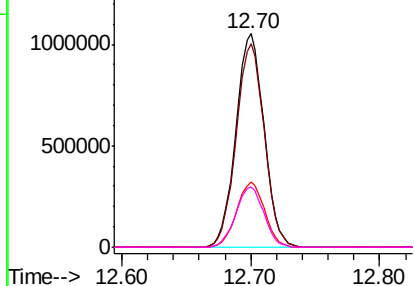
#67
 1,3,5-Trichlorobenzene
 Concen: 212.237 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV007123.D
 Acq: 22 Aug 2018 15:50

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 1594254
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.4 114.6
 184 30.5 24.6 37.0
 145 28.2 22.6 33.8

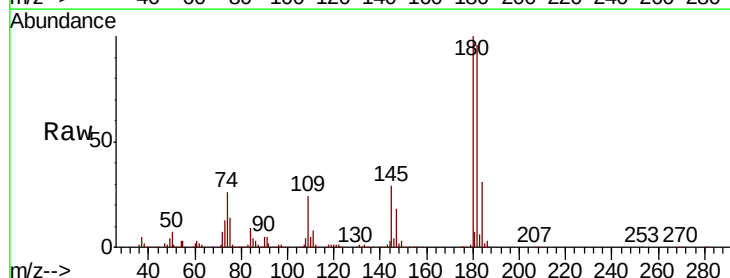


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

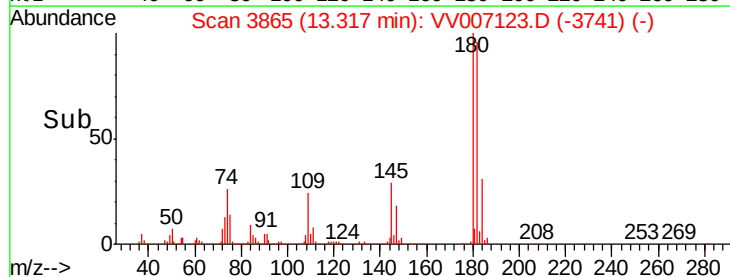
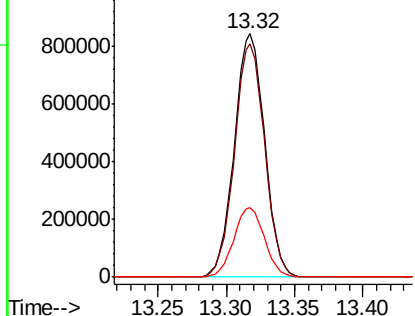


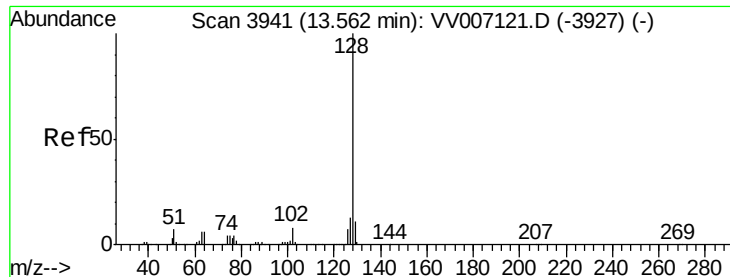
#68
 1,2,4-trichlorobenzene
 Concen: 215.668 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV007123.D
 Acq: 22 Aug 2018 15:50

Tgt Ion:180 Resp: 1301989
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.0 115.6
 145 28.9 22.7 34.1



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





#69

Naphthalene

Concen: 212.431 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

Instrument :

MSVOA_V

ClientSampleId :

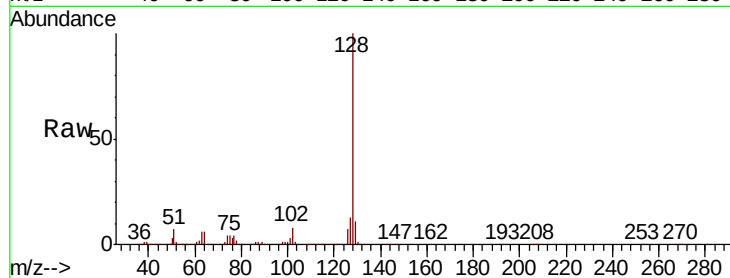
Tot Ion:128 Resp: 3932283

Ion Ratio Lower Upper

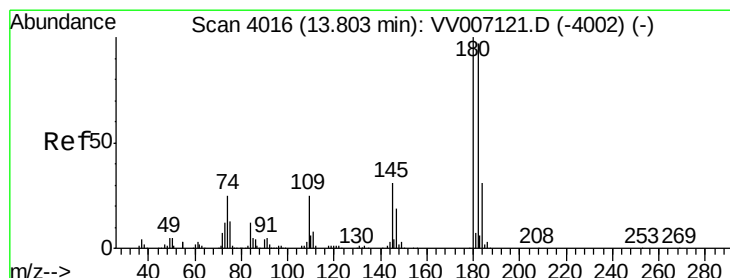
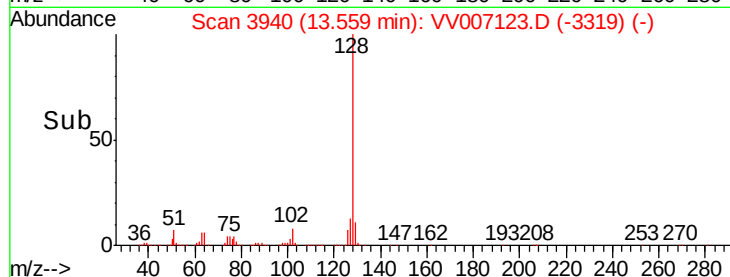
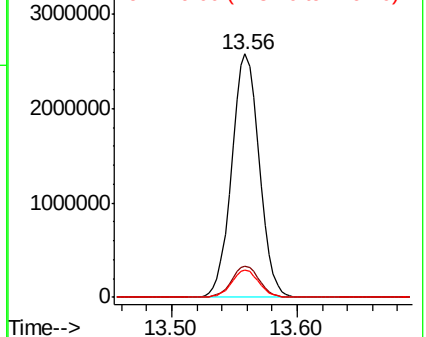
128 100

127 12.9 10.5 15.7

129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 210.669 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007123.D

Acq: 22 Aug 2018 15:50

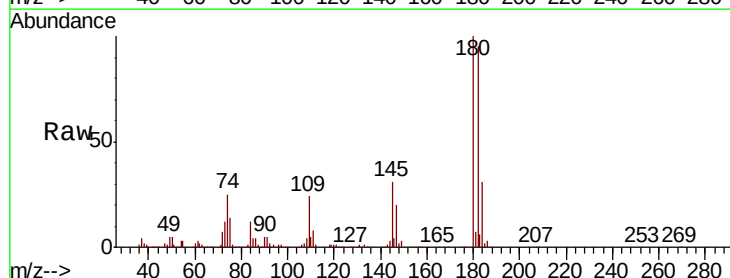
Tgt Ion:180 Resp: 1361237

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 30.7 24.2 36.4



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

