

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080218\
 Data File : VV006801.D
 Acq On : 02 Aug 2018 11:36
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 03 01:13:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 03 01:12:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	290319	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	257626	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	111459	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19948	0.99	ug/L	0.00
7) Chloroethane-d5	1.58	69	17424	1.00	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	37702	1.01	ug/L	0.00
20) 2-Butanone-d5	3.96	46	46041	9.44	ug/L	0.00
24) Chloroform-d	4.41	84	34716	0.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	17700	1.00	ug/L	0.00
32) Benzene-d6	5.10	84	70664	1.02	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	23523	1.02	ug/L	0.00
41) Toluene-d8	7.37	98	60405	0.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	7852	0.97	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	32260	8.92	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	16607	0.97	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	20817	1.01	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	23279	1.004 ug/L	98
3) Chloromethane	1.25	50	36542	1.090 ug/L	100
5) Vinyl chloride	1.32	62	25541	0.981 ug/L	97
6) Bromomethane	1.53	94	6087	0.937 ug/L	98
8) Chloroethane	1.60	64	19642	1.122 ug/L	98
9) Trichlorofluoromethane	1.77	101	32958	1.035 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	20831	1.040 ug/L	98
12) 1,1-Dichloroethene	2.14	96	18763	1.011 ug/L	98
13) Acetone	2.20	43	34128	9.923 ug/L	98
14) Carbon disulfide	2.32	76	57346	1.042 ug/L #	89
15) Methyl Acetate	2.47	43	9383	0.907 ug/L #	83
16) Methylene chloride	2.54	84	24346	1.097 ug/L	98
17) Methyl tert-butyl Ether	2.82	73	48710	0.979 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	21797	1.078 ug/L	90
19) 1,1-Dichloroethane	3.23	63	38580	1.022 ug/L	99
21) 2-Butanone	4.05	43	51738	9.844 ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	22954	1.058 ug/L	98
23) Bromochloromethane	4.31	128	10021	1.062 ug/L	94
25) Chloroform	4.43	83	38325	1.044 ug/L	99
27) 1,2-Dichloroethane	5.19	62	22897	1.025 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	30774	1.030 ug/L	97
30) Cyclohexane	4.73	56	31252	1.010 ug/L	97
31) Carbon tetrachloride	4.88	117	25184	1.024 ug/L	98
33) Benzene	5.15	78	79462	1.004 ug/L	100
34) Trichloroethene	5.96	95	21208	1.053 ug/L	94
35) Methylcyclohexane	6.18	83	31506	0.985 ug/L	94
37) 1,2-Dichloropropane	6.23	63	22090	1.064 ug/L #	95
38) Bromodichloromethane	6.56	83	24359	1.031 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	26187	0.977 ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	111422	9.700 ug/L	100

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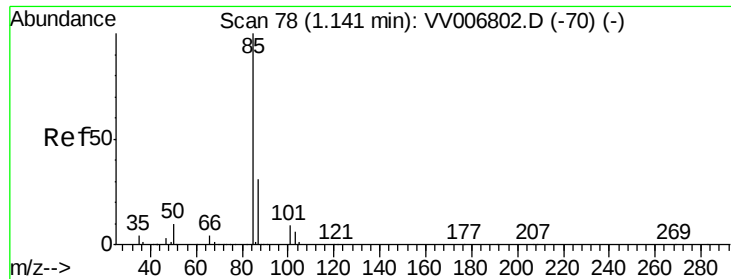
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 03 01:13:58 2018
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.44	91	76278	0.980	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	21321	0.966	ug/L	88
45) 1,1,2-Trichloroethane	7.89	97	15235	1.015	ug/L	95
47) Tetrachloroethene	8.03	164	16437	1.024	ug/L	97
48) 2-Hexanone	8.20	43	73453	9.424	ug/L	97
49) Dibromochloromethane	8.30	129	14475	0.954	ug/L	94
50) 1,2-Dibromoethane	8.40	107	12820	1.002	ug/L #	97
51) Chlorobenzene	8.93	112	50004	0.998	ug/L	98
52) Ethylbenzene	9.06	91	79716	0.980	ug/L	99
53) m,p-xylene	9.19	106	29249	0.969	ug/L	99
54) o-xylene	9.59	106	29686	0.974	ug/L	95
55) Styrene	9.61	104	42666	0.891	ug/L	100
56) Isopropylbenzene	9.98	105	73506	0.948	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	18193	1.002	ug/L #	92
59) 1,2,3-Trichloropropane	10.32	75	13215	1.035	ug/L	99
61) Bromoform	9.78	173	7542	0.994	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	36286	1.030	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	35398	1.016	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	35574	1.029	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	2520	1.048	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	26140	0.965	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	21266	1.010	ug/L	96
69) Naphthalene	13.56	128	35584	0.970	ug/L	96
70) 1,2,3-Trichlorobenzene	13.80	180	20090	0.989	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 1.004 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

Instrument :

MSVOA_V

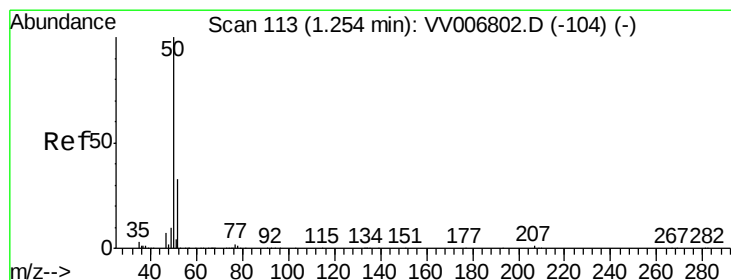
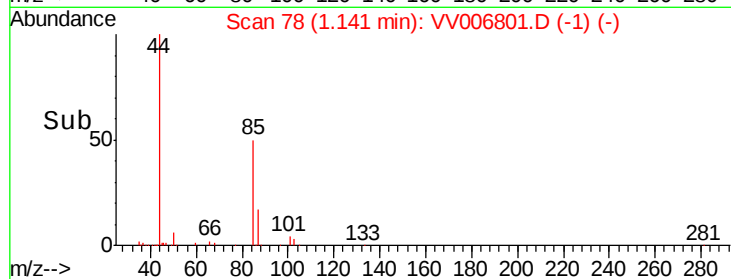
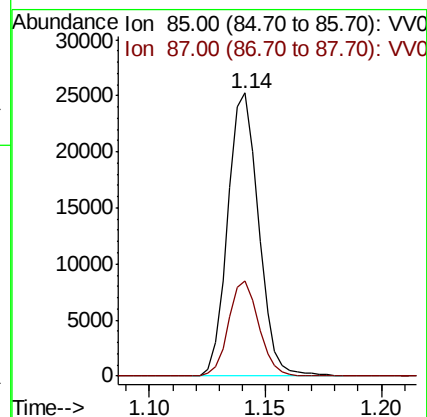
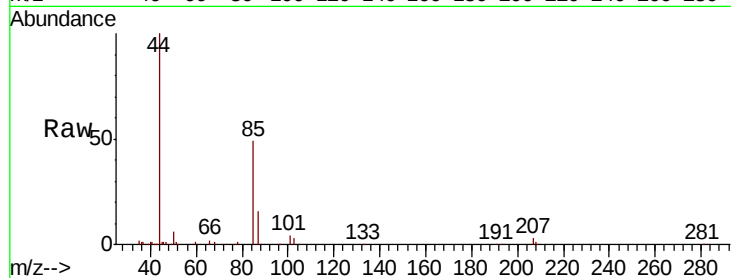
ClientSampleId :

Tot Ion: 85 Resp: 23279

Ion Ratio Lower Upper

85 100

87 32.8 25.4 38.0



#3

Chloromethane

Concen: 1.090 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV006801.D

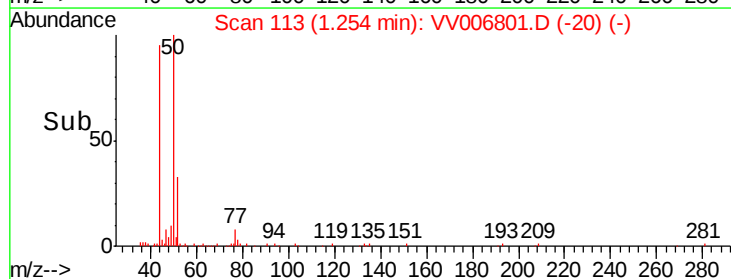
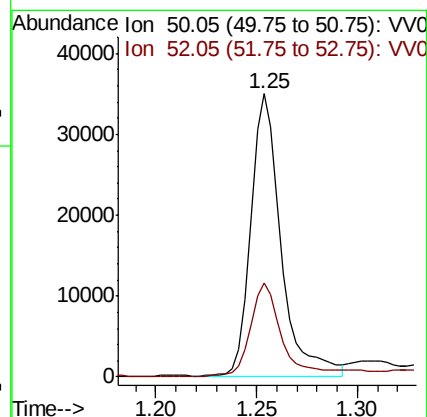
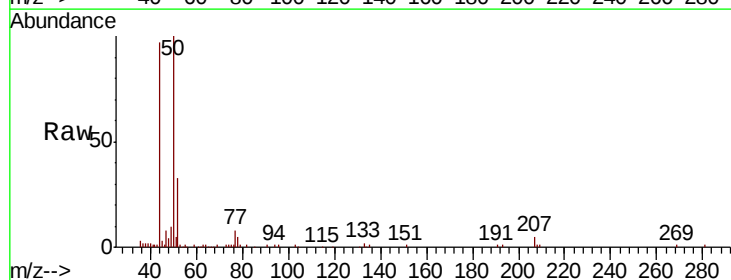
Acq: 02 Aug 2018 11:36

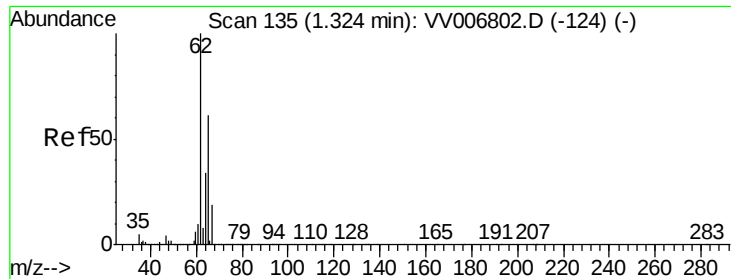
Tgt Ion: 50 Resp: 36542

Ion Ratio Lower Upper

50 100

52 33.1 23.3 43.3





#5

Vinyl chloride

Concen: 0.981 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

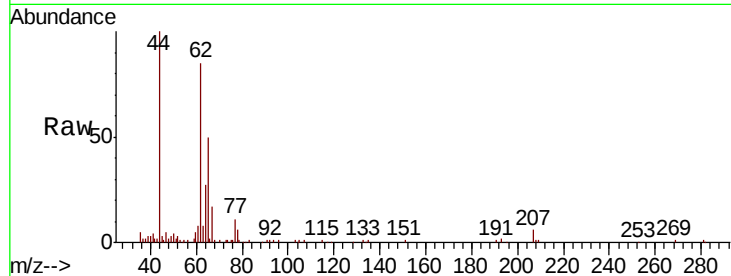
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 25541

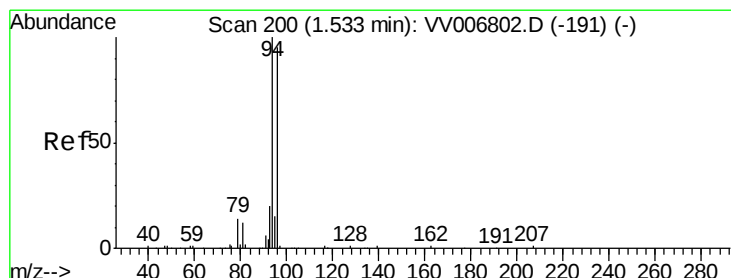
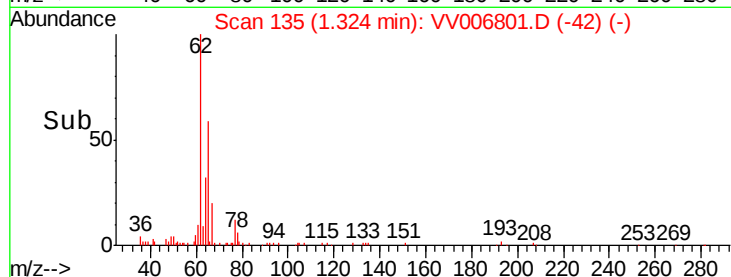
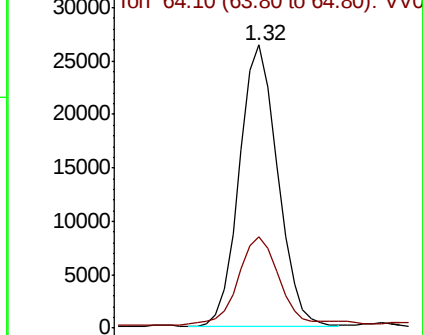
Ion Ratio Lower Upper

62 100

64 32.2 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV006801.D (-42) (-)



#6

Bromomethane

Concen: 0.937 ug/L

RT: 1.53 min Scan# 200

Delta R.T. 0.00 min

Lab File: VV006801.D

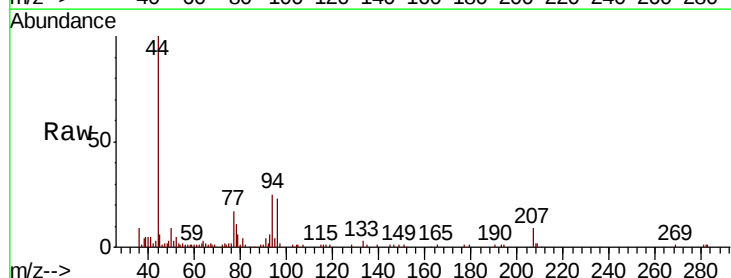
Acq: 02 Aug 2018 11:36

Tgt Ion: 94 Resp: 6087

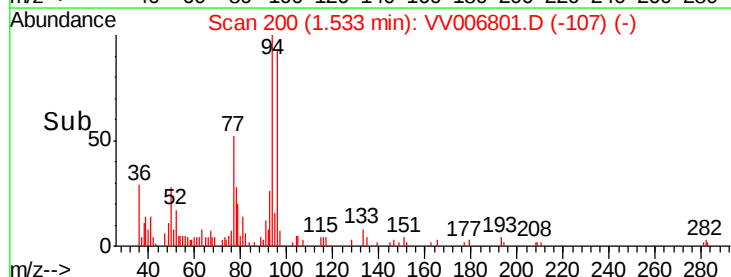
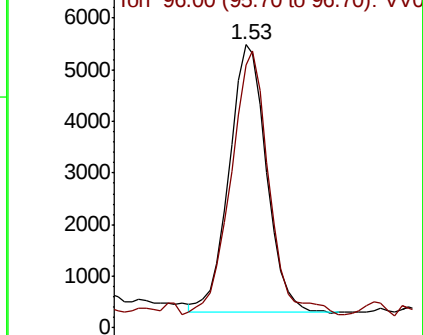
Ion Ratio Lower Upper

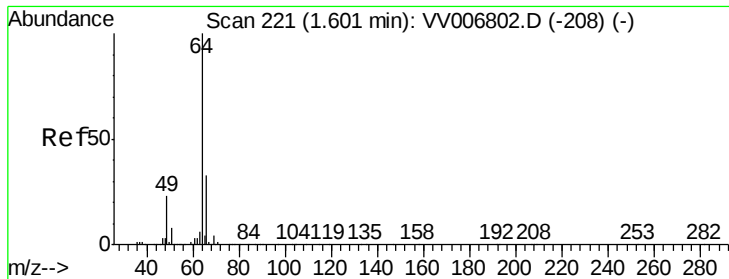
94 100

96 92.7 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV006801.D (-107) (-)





#8

Chloroethane

Concen: 1.122 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

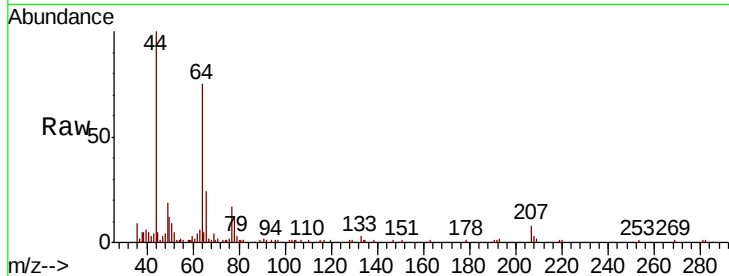
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 19642

Ion Ratio Lower Upper

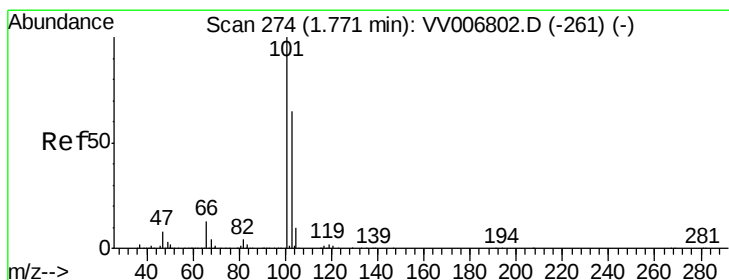
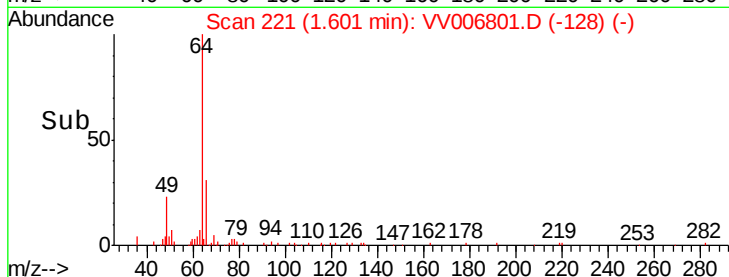
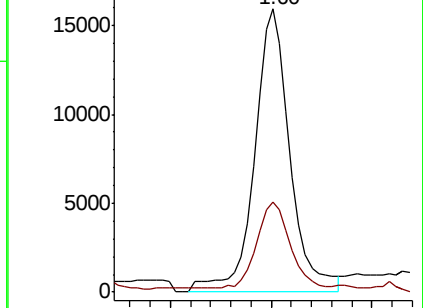
64 100

66 31.9 23.0 42.6



Abundance Ion 64.10 (63.80 to 64.80): VV006801.D (-128) (-)

Ion 66.05 (65.75 to 66.75): VV006801.D (-128) (-)



#9

Trichlorofluoromethane

Concen: 1.035 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006801.D

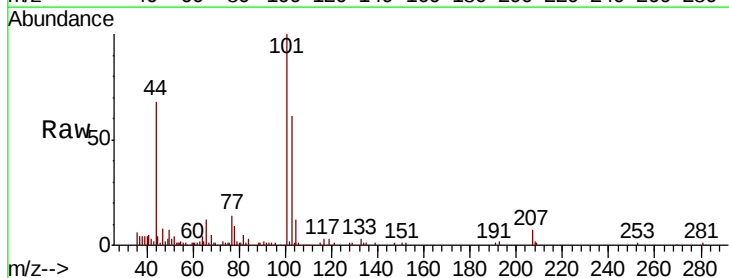
Acq: 02 Aug 2018 11:36

Tgt Ion: 101 Resp: 32958

Ion Ratio Lower Upper

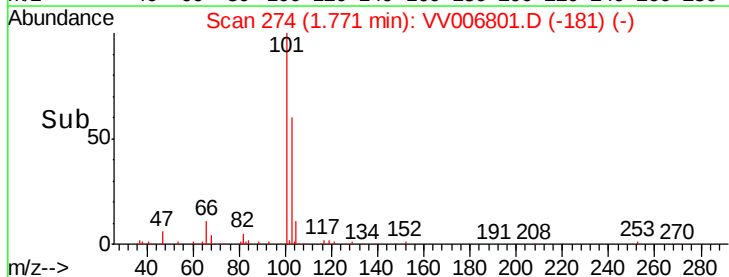
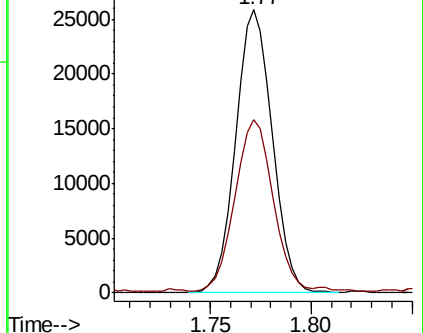
101 100

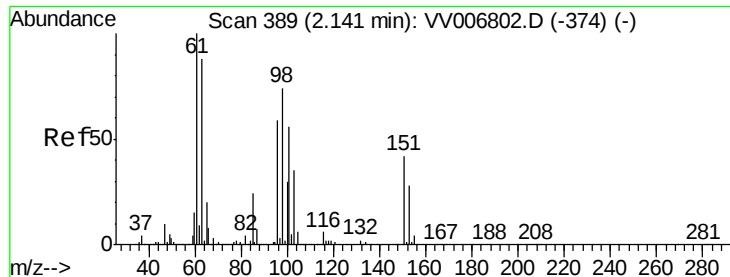
103 62.5 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VV006801.D (-181) (-)

Ion 103.00 (102.70 to 103.70): VV006801.D (-181) (-)





#10

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

Concen: 1.040 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

Instrument :

MSVOA_V

ClientSampleId :

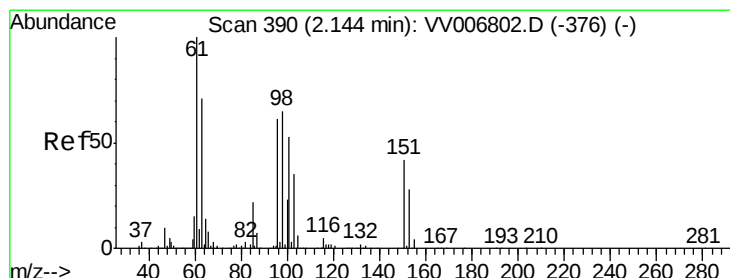
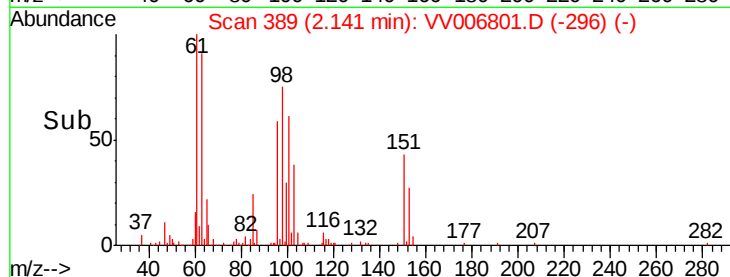
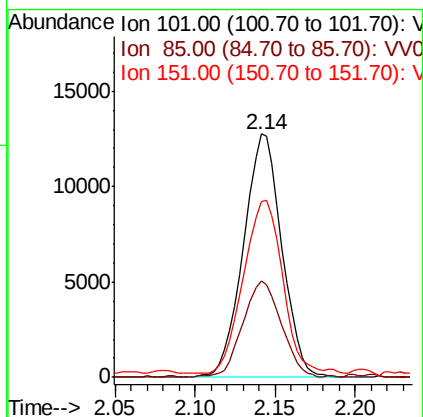
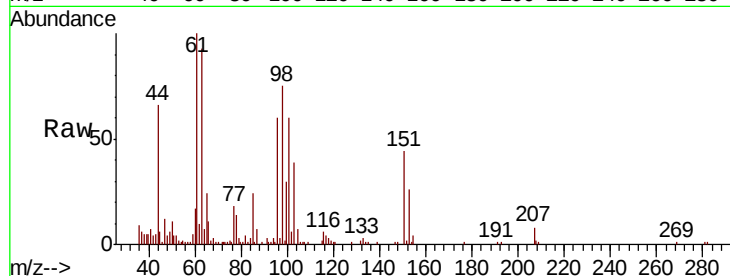
Tot Ion:101 Resp: 20831

Ion Ratio Lower Upper

101 100

85 39.9 33.3 49.9

151 73.0 59.4 89.2



#12

1,1-Dichloroethene

Concen: 1.011 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

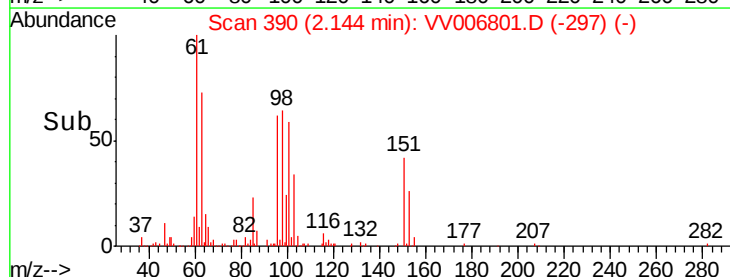
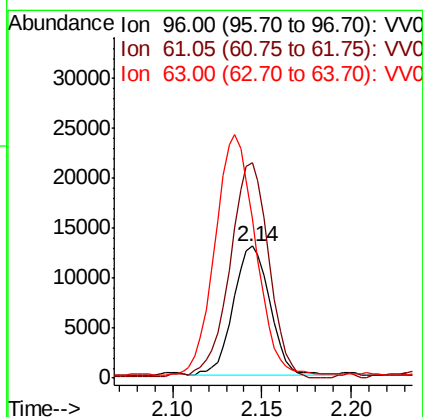
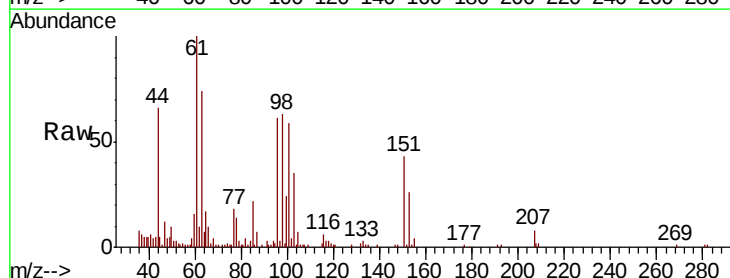
Tgt Ion: 96 Resp: 18763

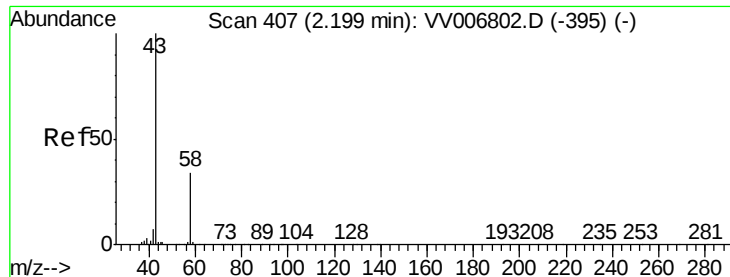
Ion Ratio Lower Upper

96 100

61 163.5 115.3 214.1

63 120.4 81.9 152.1





#13

Acetone

Concen: 9.923 ug/L

RT: 2.20 min Scan# 407

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

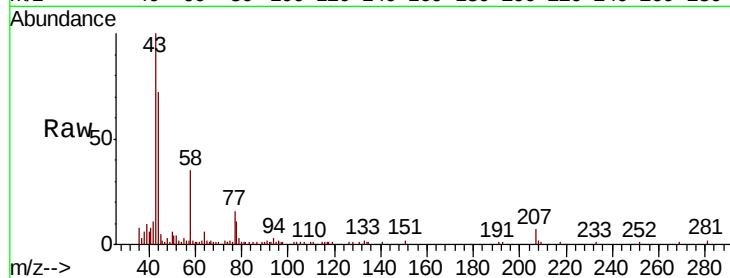
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 34128

Ion Ratio Lower Upper

43 100

58 35.5 0.0 69.0



Abundance Ion 43.05 (42.75 to 43.75): VV006802.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VV006802.D (-395) (-)

25000

20000

15000

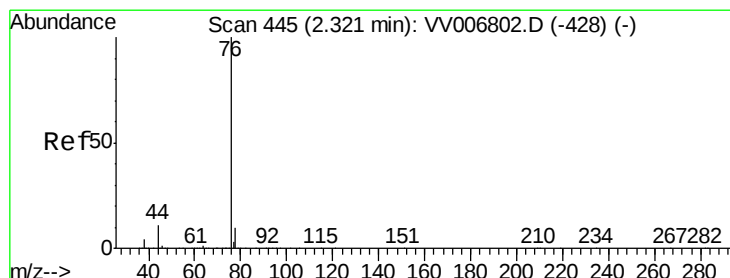
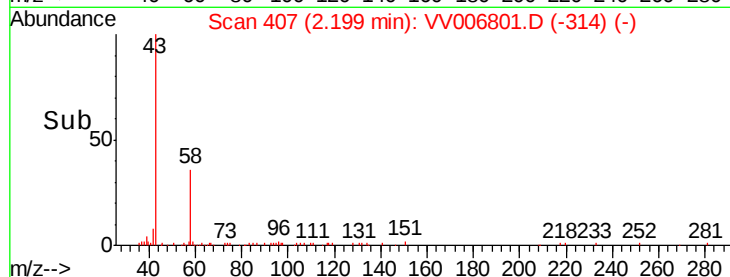
10000

5000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 1.042 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006801.D

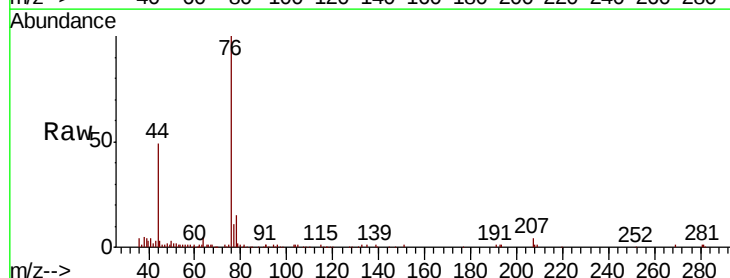
Acq: 02 Aug 2018 11:36

Tgt Ion: 76 Resp: 57346

Ion Ratio Lower Upper

76 100

78 15.1 8.7 13.1#



Abundance Ion 76.05 (75.75 to 76.75): VV006802.D (-428) (-)

Ion 78.00 (77.70 to 78.70): VV006802.D (-428) (-)

40000

30000

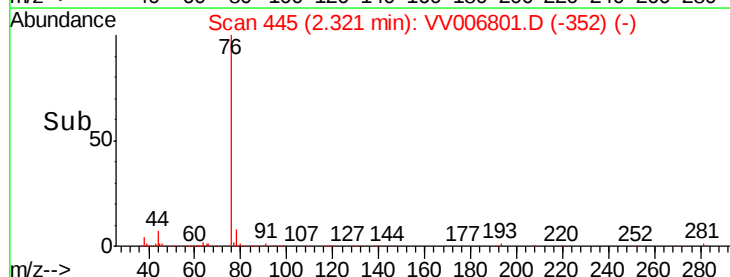
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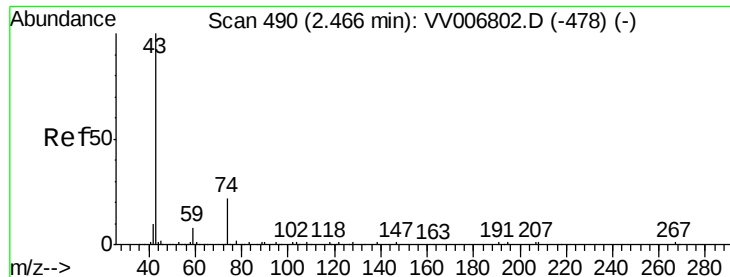
10000

0

2.25 2.30 2.35 2.40

Time-->





#15

Methvl Acetate

Concen: 0.907 ug/L

RT: 2.47 min Scan# 490

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

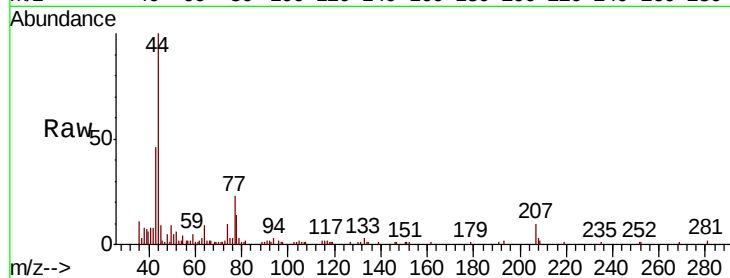
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 9383

Ion Ratio Lower Upper

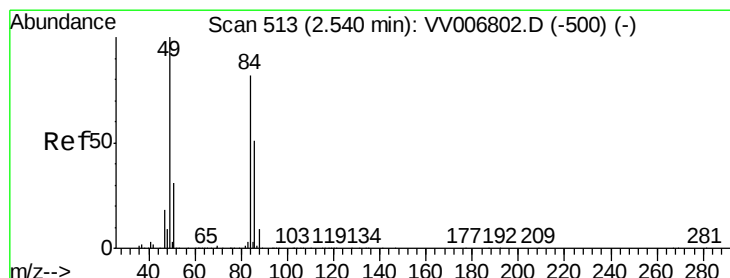
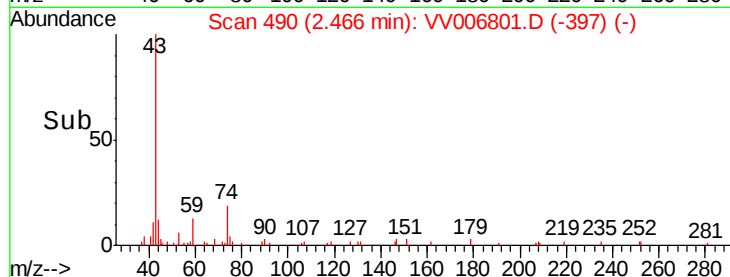
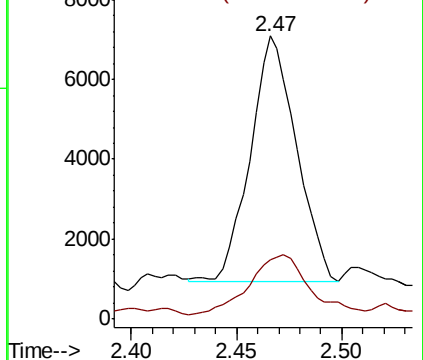
43 100

74 31.1 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 1.097 ug/L

RT: 2.54 min Scan# 512

Delta R.T. -0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

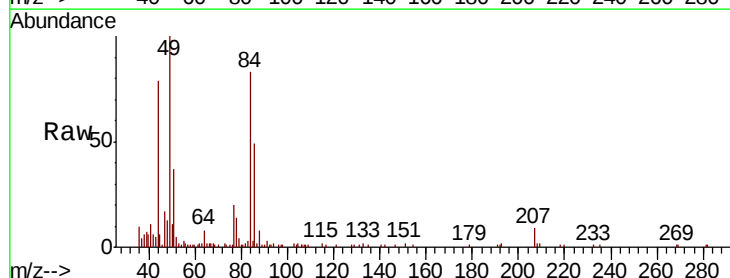
Tgt Ion: 84 Resp: 24346

Ion Ratio Lower Upper

84 100

86 59.0 43.8 81.3

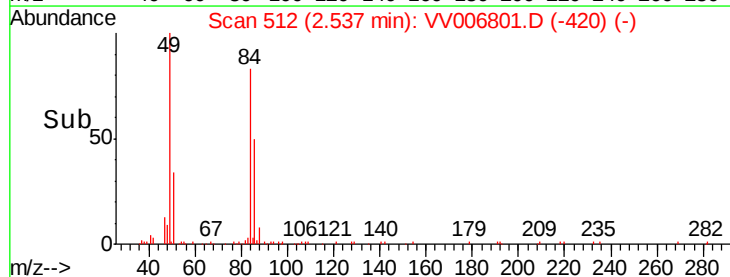
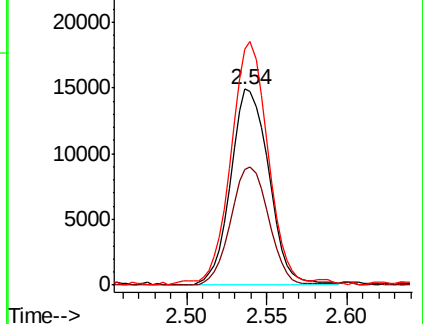
49 120.6 85.3 158.5

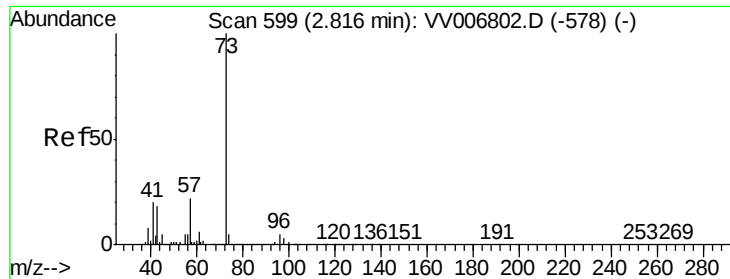


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

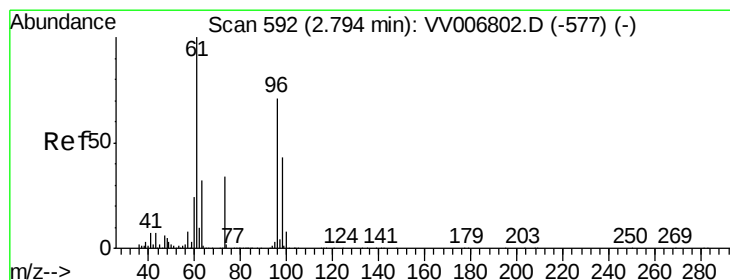
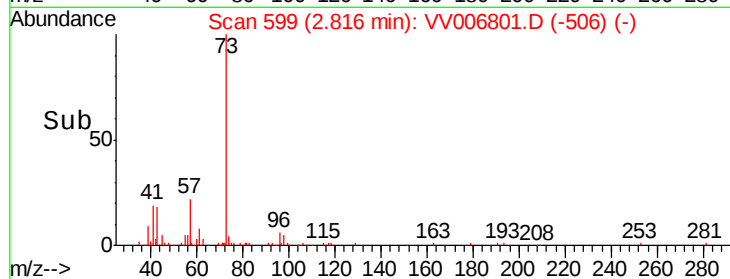
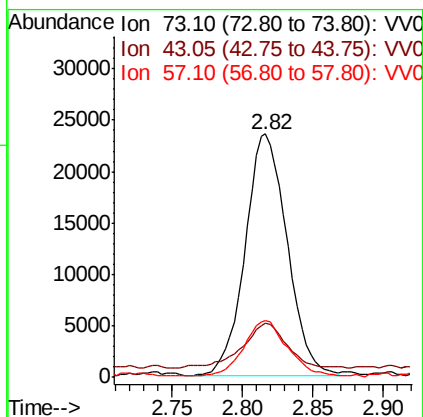
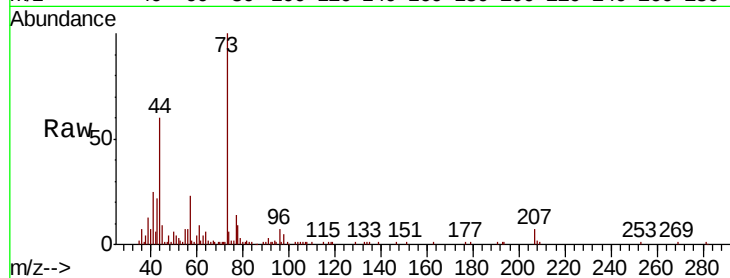




#17
Methvl tert-butvl Ether
Concen: 0.979 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV006801.D
Acq: 02 Aug 2018 11:36

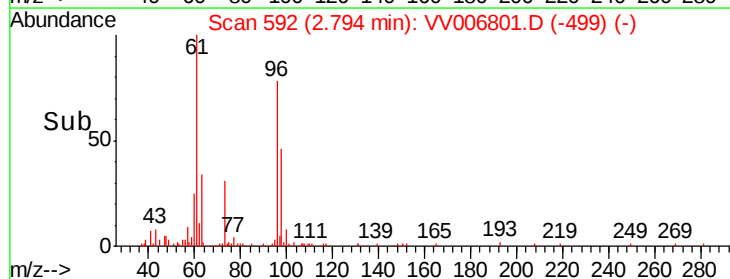
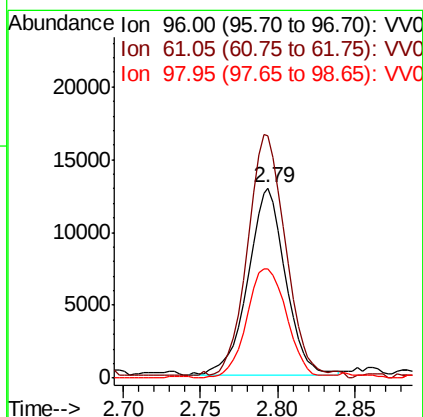
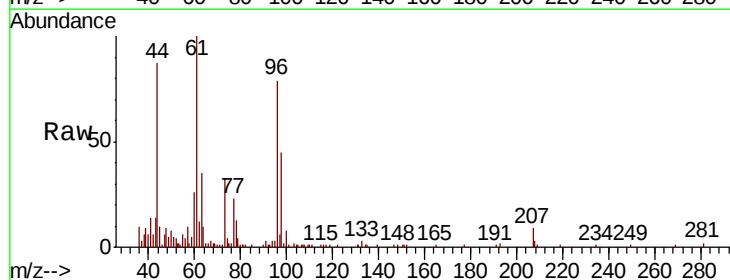
Instrument :
MSVOA_V
ClientSampleId :

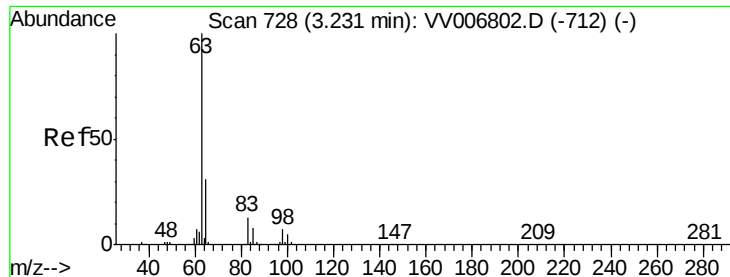
Tot Ion: 73 Resp: 48710
Ion Ratio Lower Upper
73 100
43 19.3 14.6 22.0
57 23.7 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 1.078 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV006801.D
Acq: 02 Aug 2018 11:36

Tgt Ion: 96 Resp: 21797
Ion Ratio Lower Upper
96 100
61 127.3 99.0 183.8
98 57.2 42.8 79.4

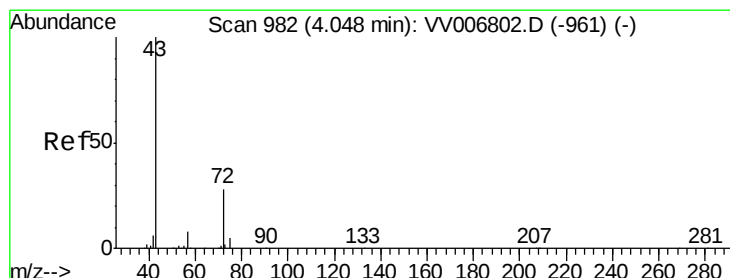
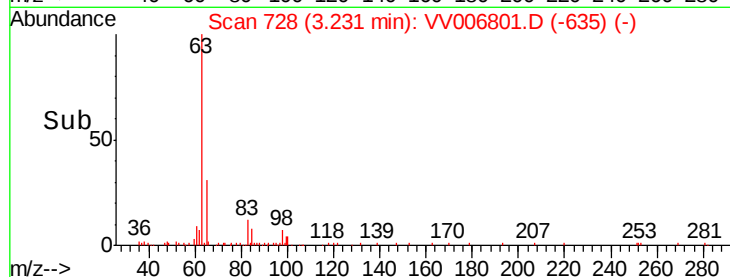
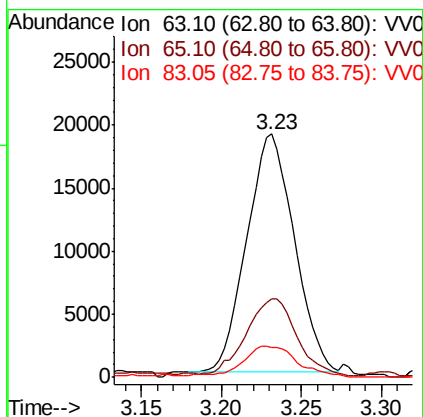
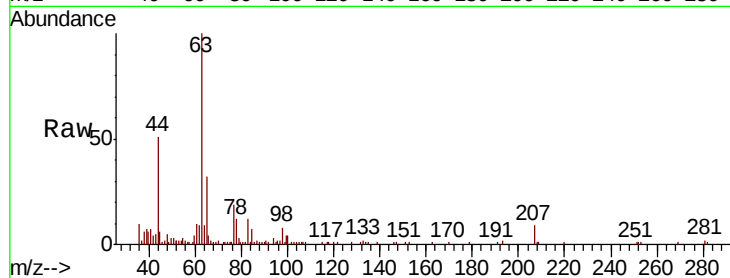




#19
 1,1-Dichloroethane
 Concen: 1.022 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006801.D
 Acq: 02 Aug 2018 11:36

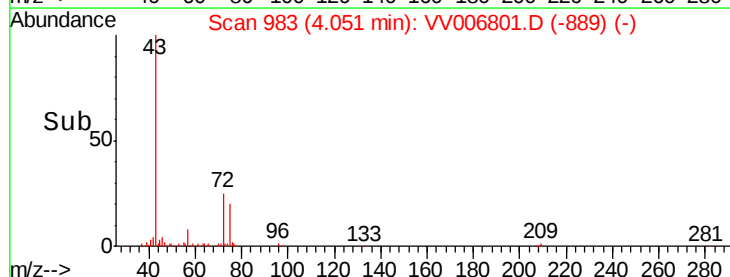
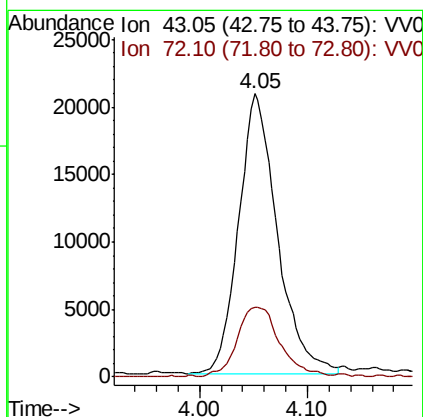
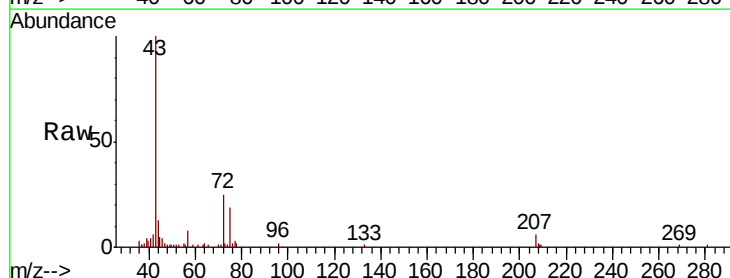
Instrument :
 MSVOA_V
 ClientSampled :

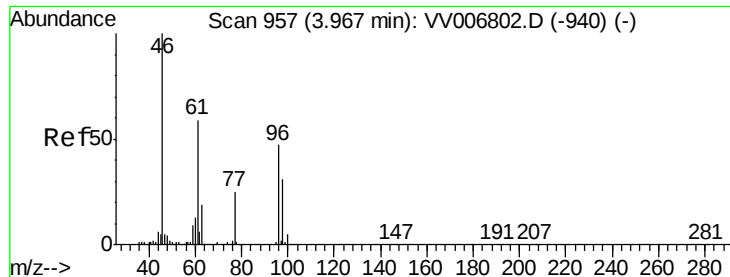
Tot Ion: 63 Resp: 38580
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.2 41.2
 83 12.3 9.0 16.6



#21
 2-Butanone
 Concen: 9.844 ug/L
 RT: 4.05 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VV006801.D
 Acq: 02 Aug 2018 11:36

Tgt Ion: 43 Resp: 51738
 Ion Ratio Lower Upper
 43 100
 72 27.7 13.4 40.1



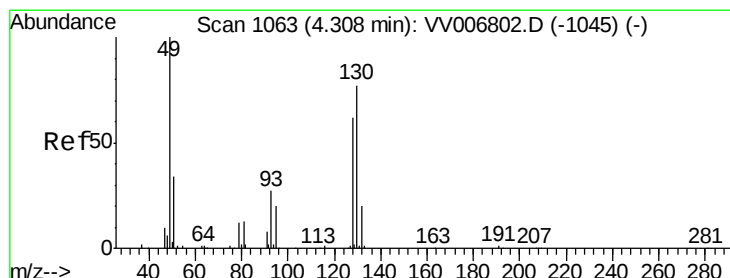
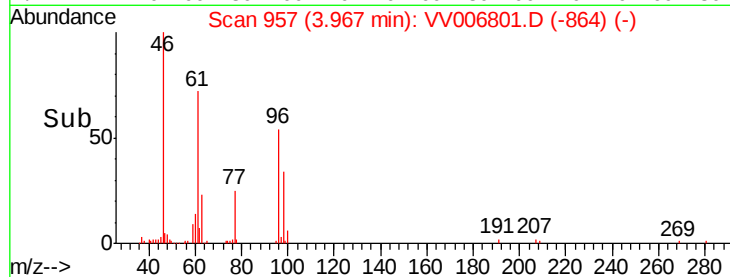
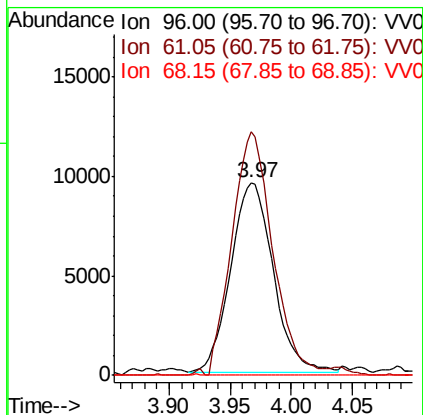
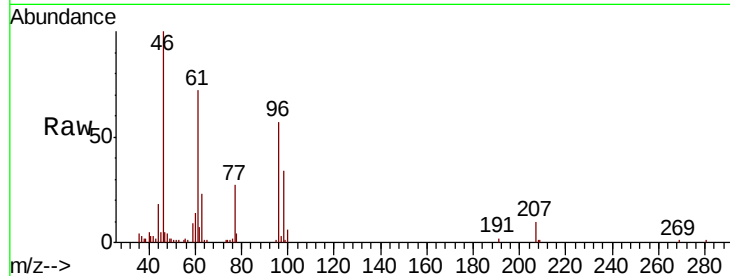


#22

cis-1,2-Dichloroethene
Concen: 1.058 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV006801.D
Acq: 02 Aug 2018 11:36

Instrument :
MSVOA_V
ClientSampleId :

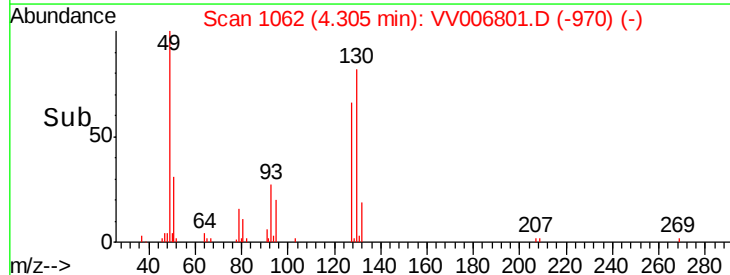
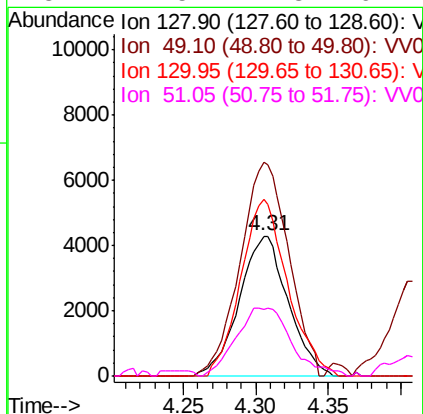
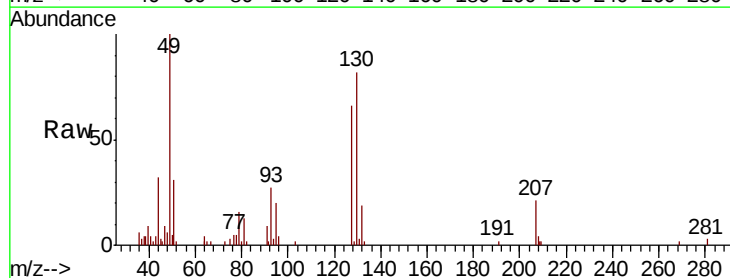
Tot Ion: 96 Resp: 22954
Ion Ratio Lower Upper
96 100
61 126.3 86.6 160.8
68 0.0 0.0 0.0

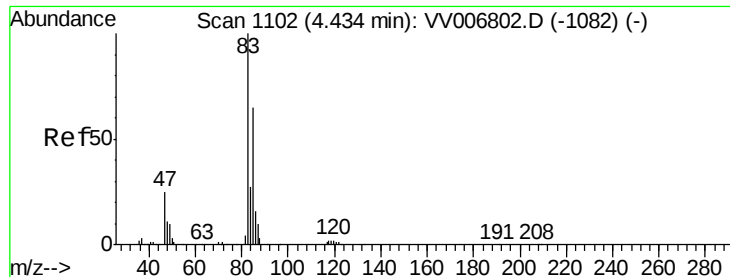


#23

Bromochloromethane
Concen: 1.062 ug/L
RT: 4.31 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VV006801.D
Acq: 02 Aug 2018 11:36

Tgt Ion: 128 Resp: 10021
Ion Ratio Lower Upper
128 100
49 152.5 113.3 210.5
130 125.7 87.1 161.7
51 47.5 44.8 67.2





#25

Chloroform

Concen: 1.044 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

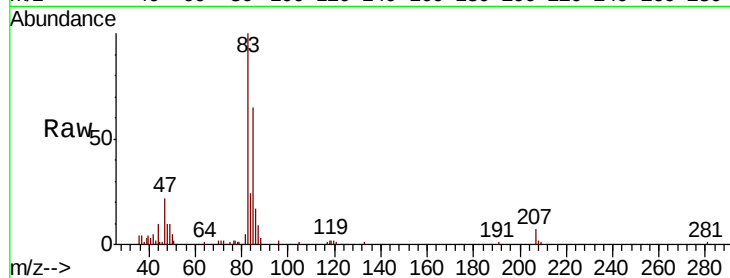
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 38325

Ion Ratio Lower Upper

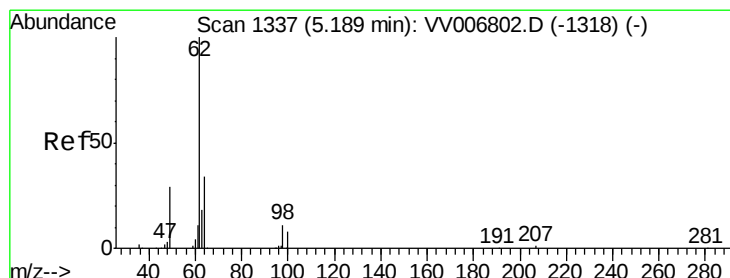
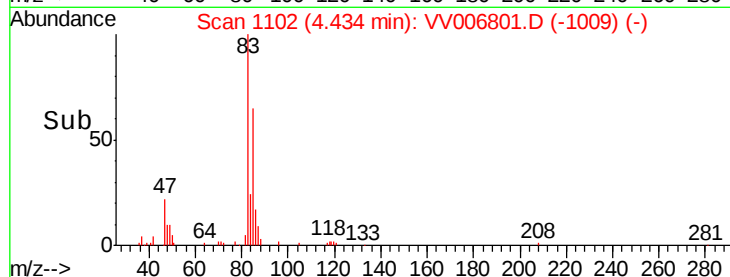
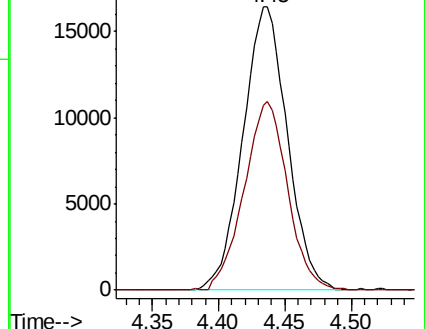
83 100

85 65.5 45.4 84.2



Abundance Ion 83.05 (82.75 to 83.75): VV006802.D (-1082) (-)

Ion 85.00 (84.70 to 85.70): VV006801.D (-1009) (-)



#27

1,2-Dichloroethane

Concen: 1.025 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV006801.D

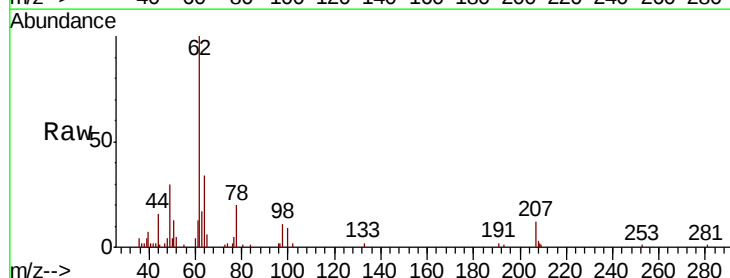
Acq: 02 Aug 2018 11:36

Tgt Ion: 62 Resp: 22897

Ion Ratio Lower Upper

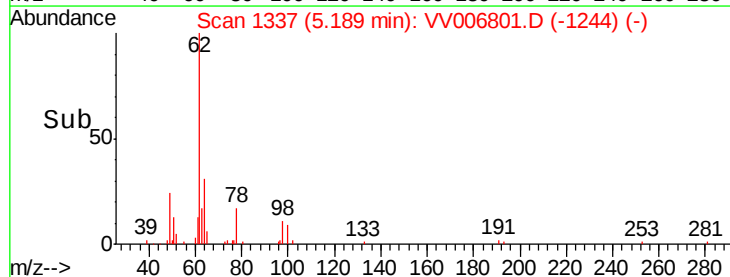
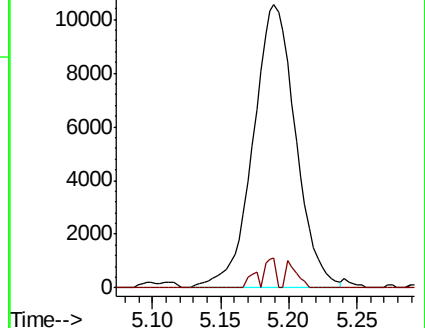
62 100

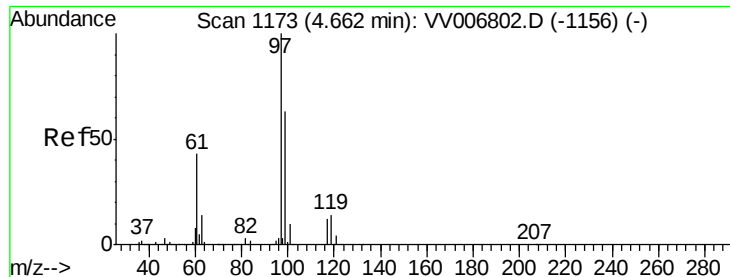
98 10.8 8.8 13.2



Abundance Ion 62.00 (61.70 to 62.70): VV006802.D (-1318) (-)

Ion 98.05 (97.75 to 98.75): VV006801.D (-1244) (-)

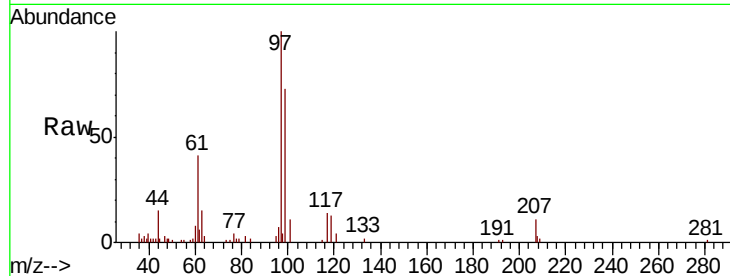




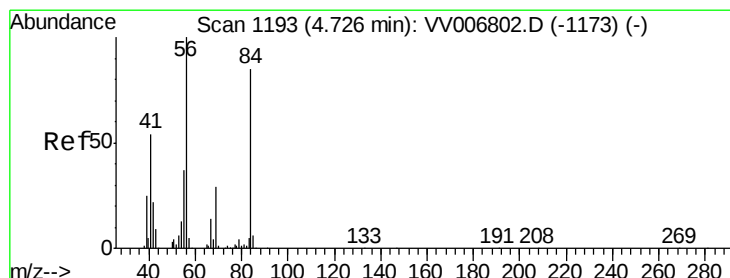
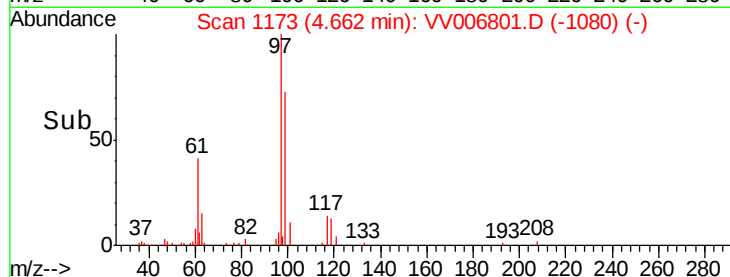
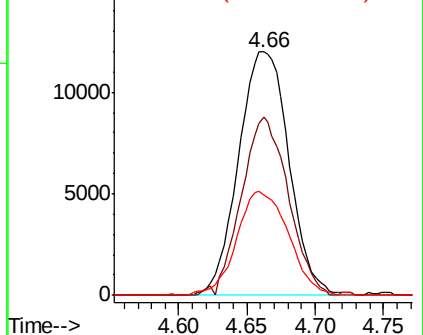
#29
 1,1,1-Trichloroethane
 Concen: 1.030 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006801.D
 Acq: 02 Aug 2018 11:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 30774
 Ion Ratio Lower Upper
 97 100
 99 68.2 51.8 77.8
 61 43.8 34.8 52.2

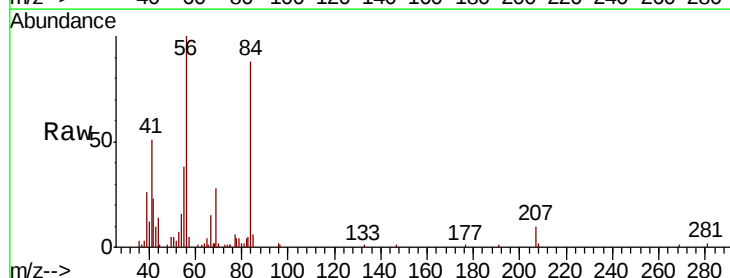


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

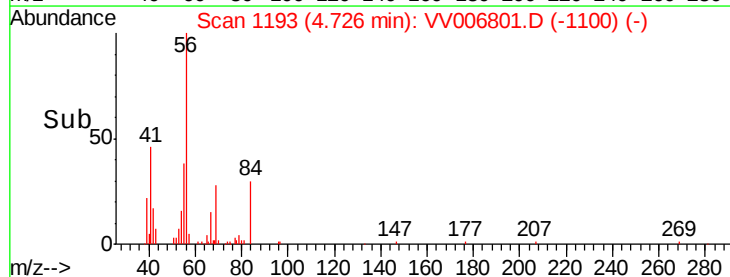
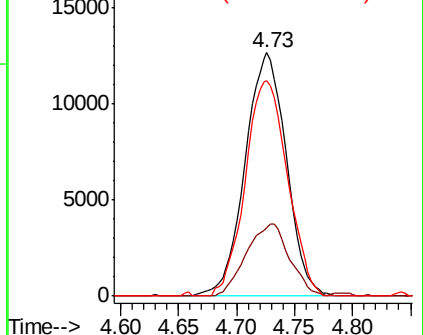


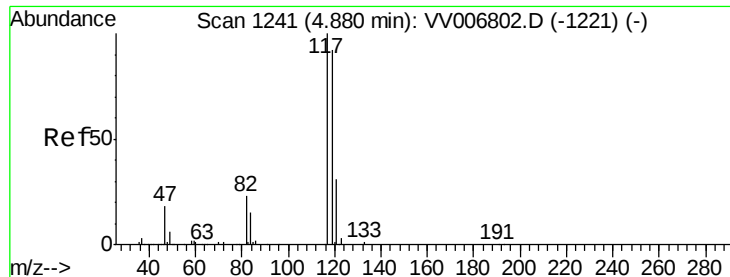
#30
 Cyclohexane
 Concen: 1.010 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV006801.D
 Acq: 02 Aug 2018 11:36

Tgt Ion: 56 Resp: 31252
 Ion Ratio Lower Upper
 56 100
 69 31.0 24.4 36.6
 84 90.5 69.4 104.2



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

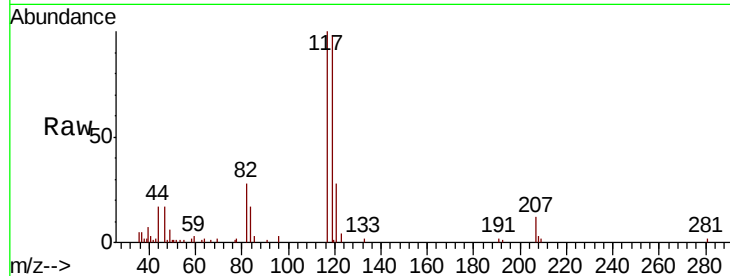




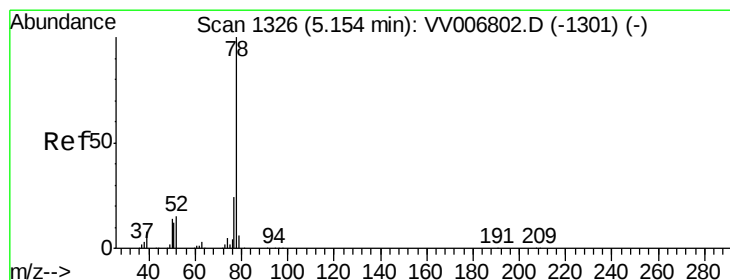
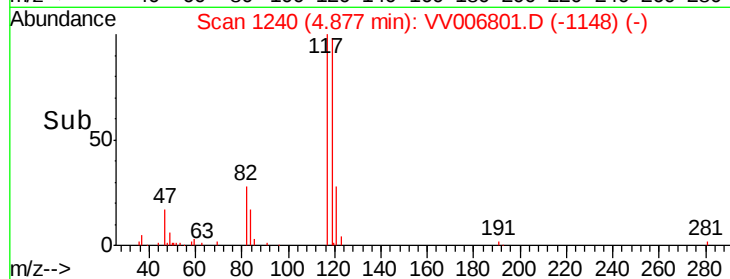
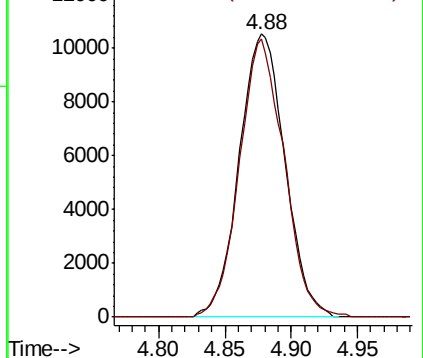
#31
Carbon tetrachloride
Concen: 1.024 ug/L
RT: 4.88 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VV006801.D
Acq: 02 Aug 2018 11:36

Instrument :
MSVOA_V
ClientSampleId :

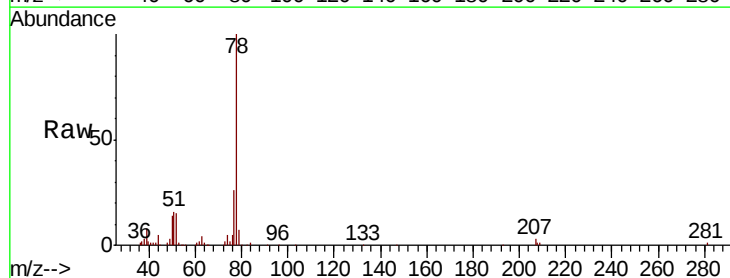
Tot Ion:117 Resp: 25184
Ion Ratio Lower Upper
117 100
119 96.1 75.1 112.7



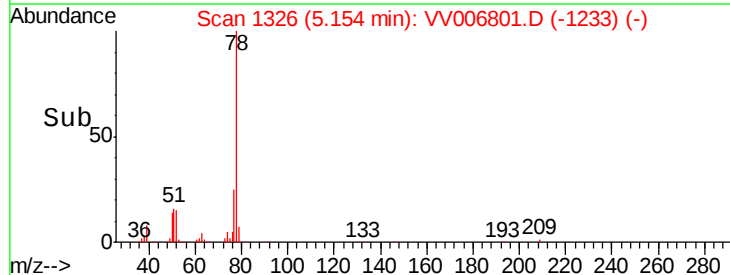
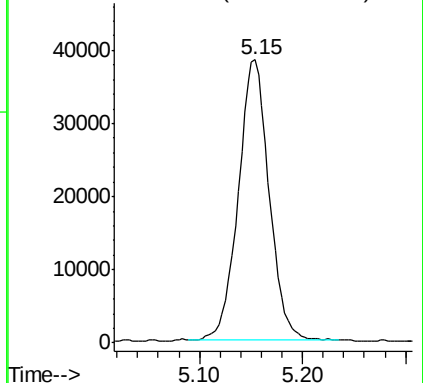
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

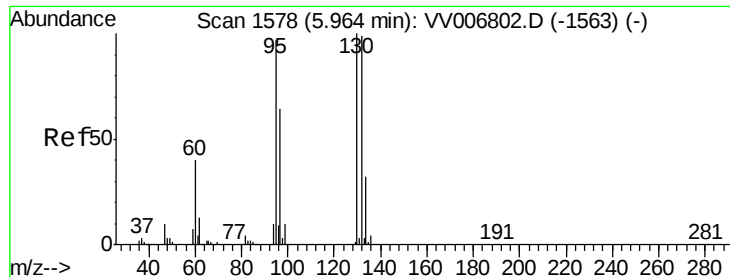


#33
Benzene
Concen: 1.004 ug/L
RT: 5.15 min Scan# 1326
Delta R.T. 0.00 min
Lab File: VV006801.D
Acq: 02 Aug 2018 11:36
Tgt Ion: 78 Resp: 79462



Abundance Ion 78.10 (77.80 to 78.80): VV0

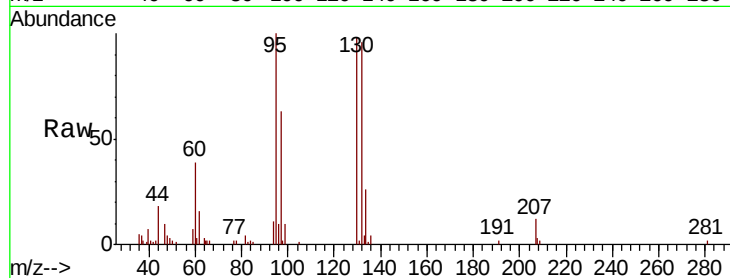




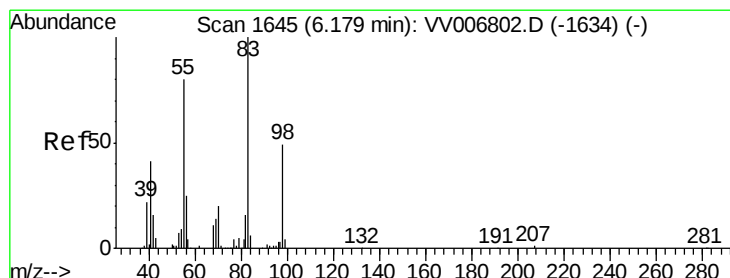
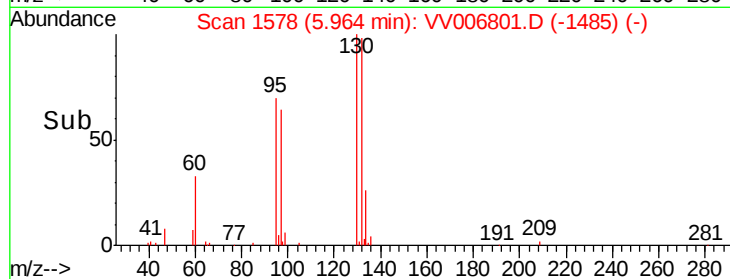
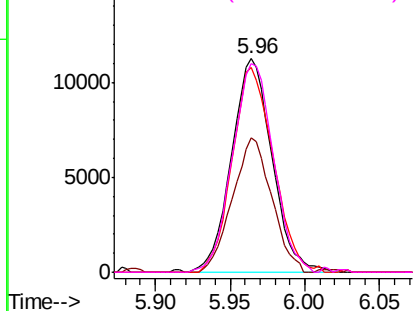
#34
 Trichloroethene
 Concen: 1.053 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006801.D
 Acq: 02 Aug 2018 11:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	21208
Ion	Ratio	Lower	Upper
95	100		
97	62.8	46.3	86.1
132	95.8	72.0	133.6
130	97.7	72.4	134.4

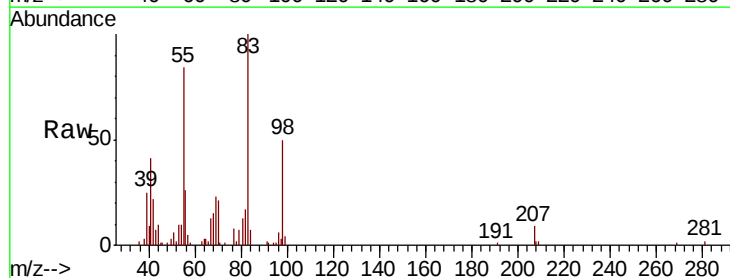


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

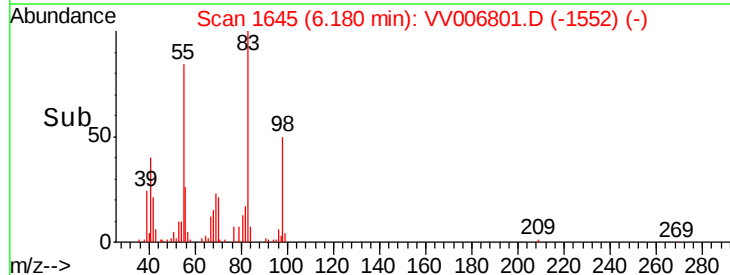
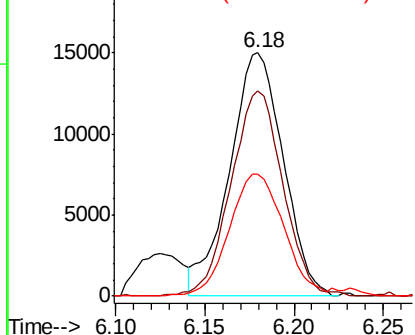


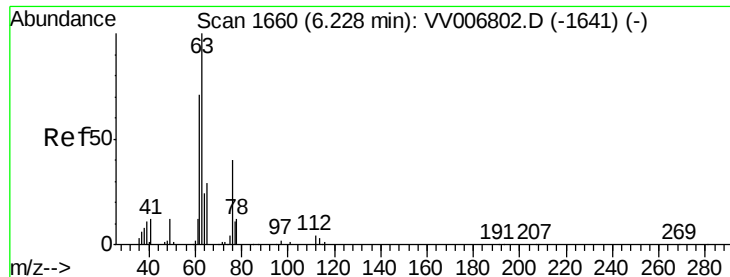
#35
 Methylcyclohexane
 Concen: 0.985 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV006801.D
 Acq: 02 Aug 2018 11:36

Tgt Ion:	83	Resp:	31506
Ion	Ratio	Lower	Upper
83	100		
55	81.7	61.8	92.6
98	51.0	37.2	55.8



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

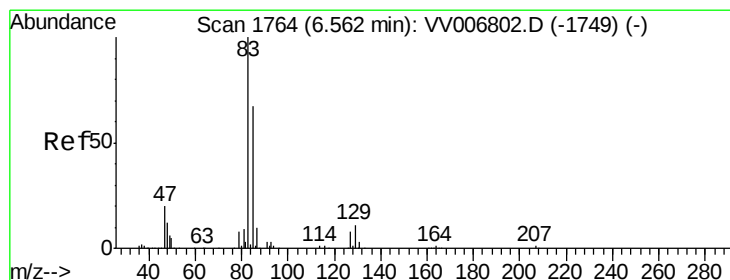
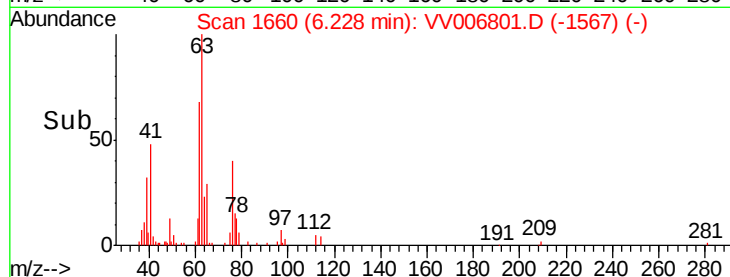
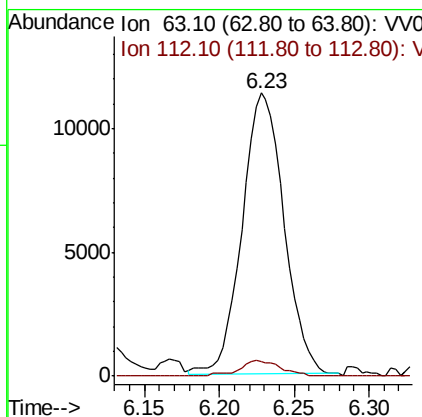
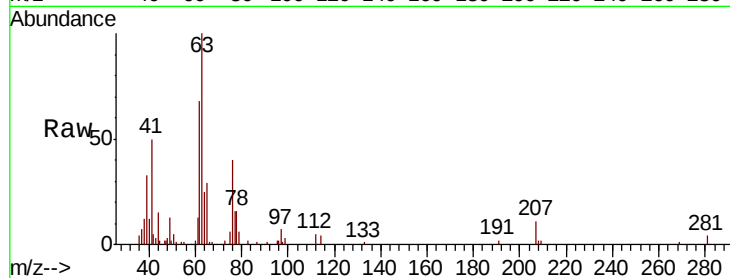




#37
 1,2-Dichloropropane
 Concen: 1.064 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006801.D
 Acq: 02 Aug 2018 11:36

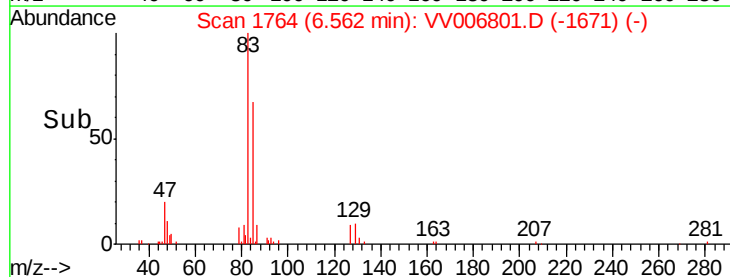
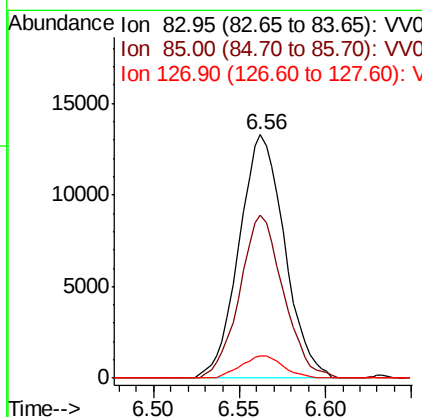
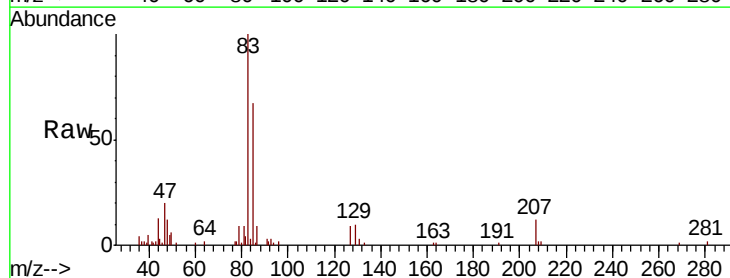
Instrument :
 MSVOA_V
 ClientSampled :

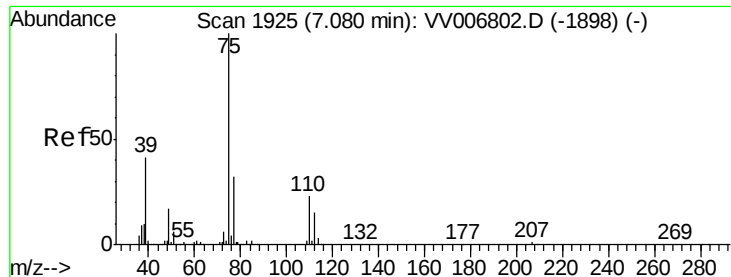
Tot Ion: 63 Resp: 22090
 Ion Ratio Lower Upper
 63 100
 112 5.5 3.0 4.6#



#38
 Bromodichloromethane
 Concen: 1.031 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006801.D
 Acq: 02 Aug 2018 11:36

Tgt Ion: 83 Resp: 24359
 Ion Ratio Lower Upper
 83 100
 85 66.8 46.7 86.7
 127 9.2 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 0.977 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

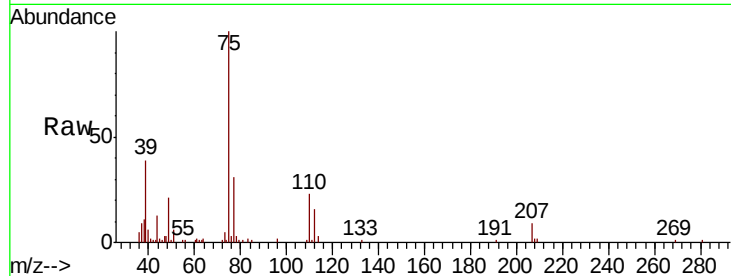
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 26187

Ion Ratio Lower Upper

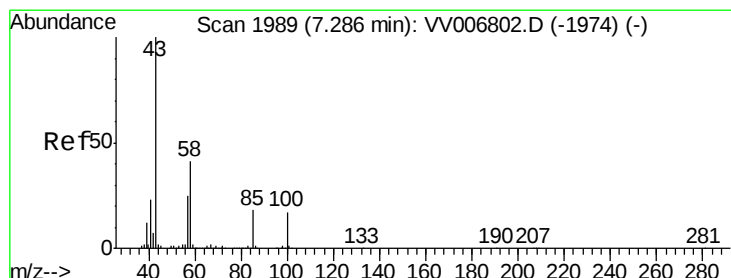
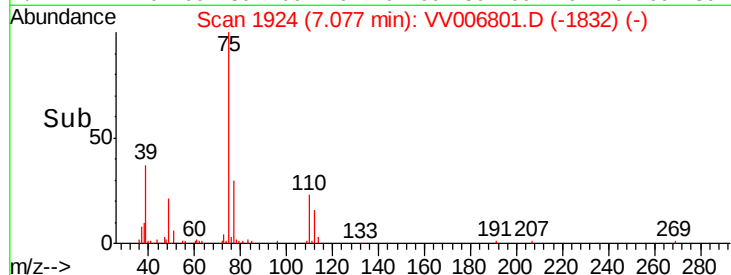
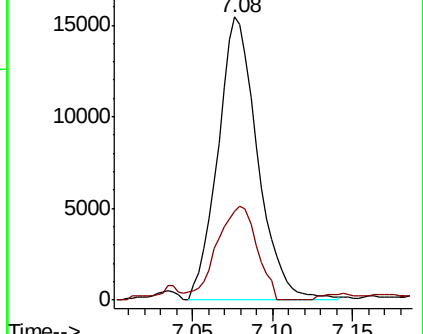
75 100

77 31.4 22.5 41.9



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: 9.700 ug/L

RT: 7.29 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

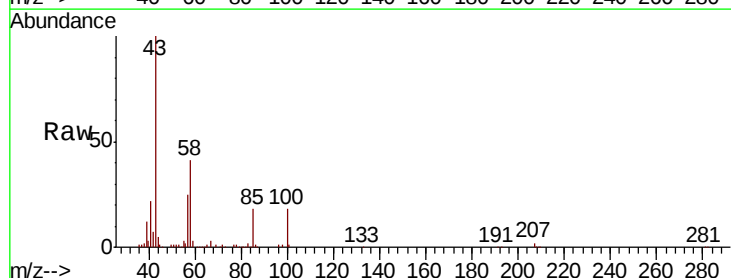
Tgt Ion: 43 Resp: 111422

Ion Ratio Lower Upper

43 100

58 40.6 32.6 48.8

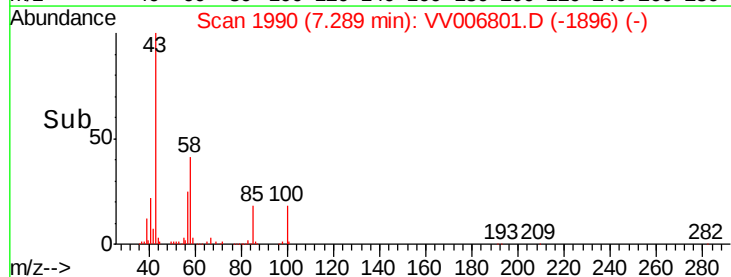
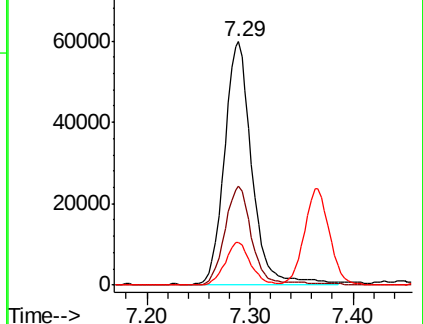
100 16.3 13.1 19.7

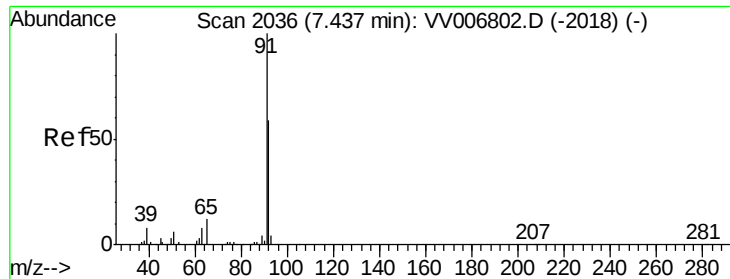


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 0.980 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

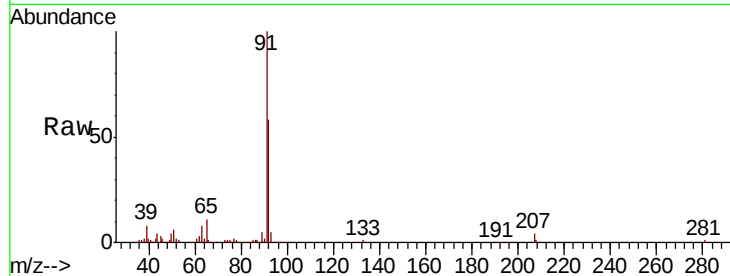
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 76278

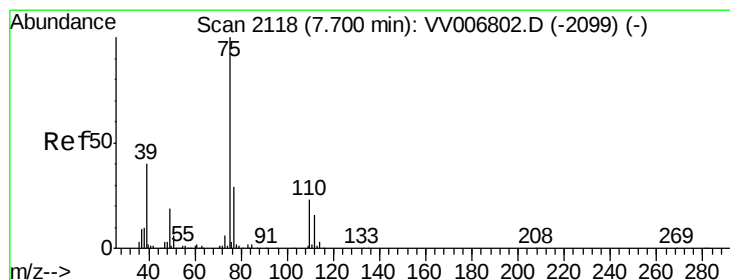
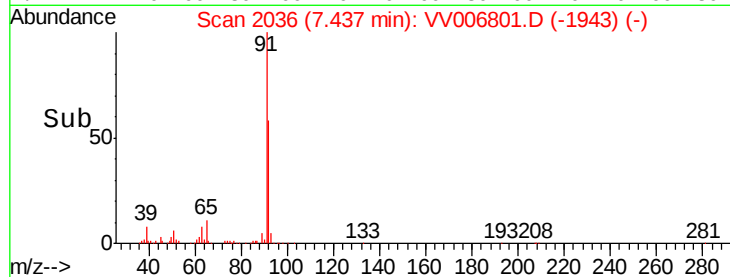
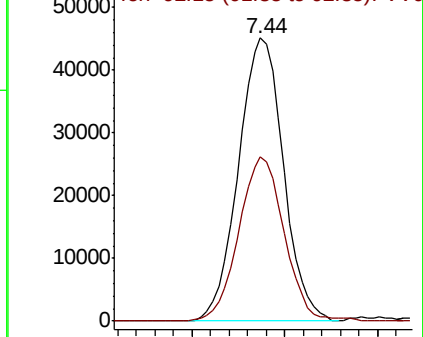
Ion Ratio Lower Upper

91 100

92 57.9 41.4 77.0



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.966 ug/L

RT: 7.70 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VV006801.D

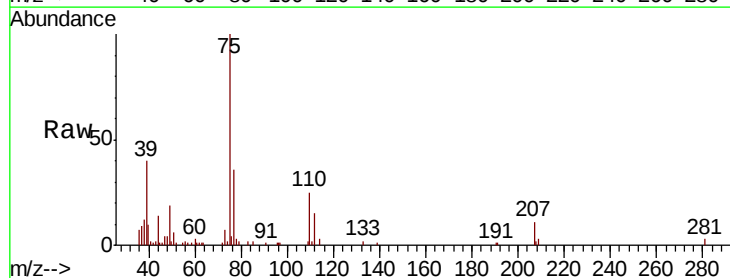
Acq: 02 Aug 2018 11:36

Tgt Ion: 75 Resp: 21321

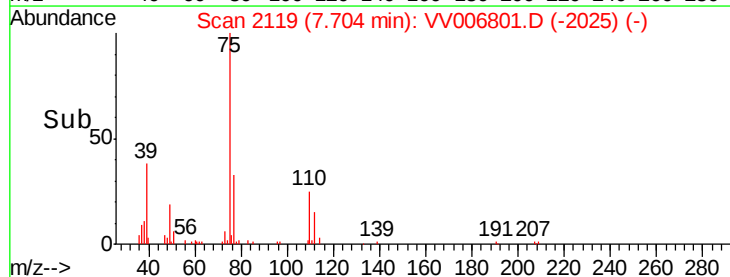
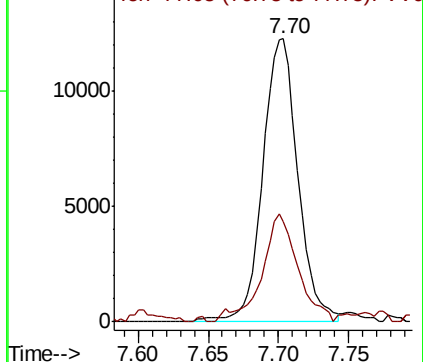
Ion Ratio Lower Upper

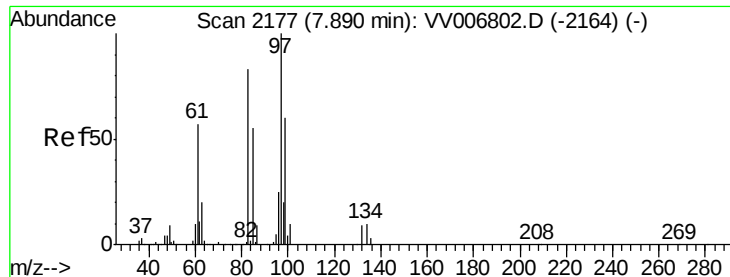
75 100

77 35.6 20.5 38.1



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





#45

1,1,2-Trichloroethane

Concen: 1.015 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 97 Resp: 15235

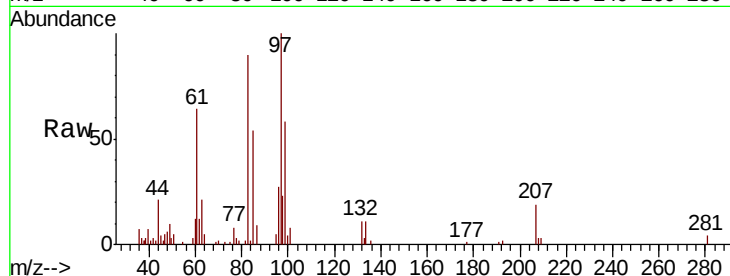
Ion Ratio Lower Upper

97 100

99 58.0 42.2 78.4

83 90.1 58.0 107.8

85 53.8 38.2 71.0

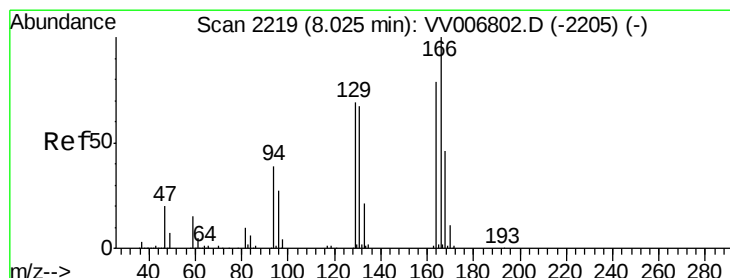
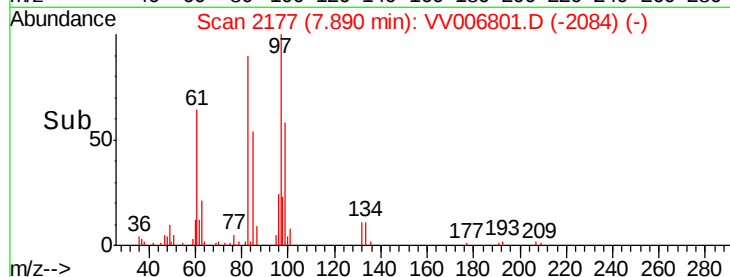
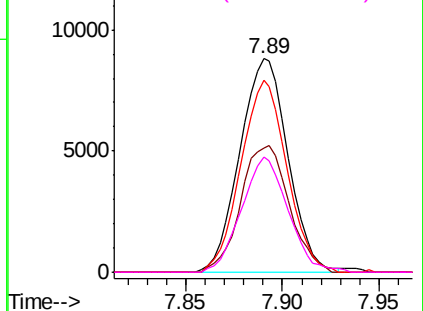


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 1.024 ug/L

RT: 8.03 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

Tgt Ion: 164 Resp: 16437

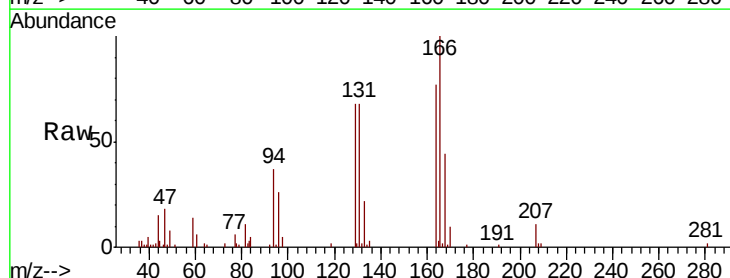
Ion Ratio Lower Upper

164 100

129 88.0 61.1 113.5

131 88.5 59.1 109.7

166 129.9 88.3 163.9

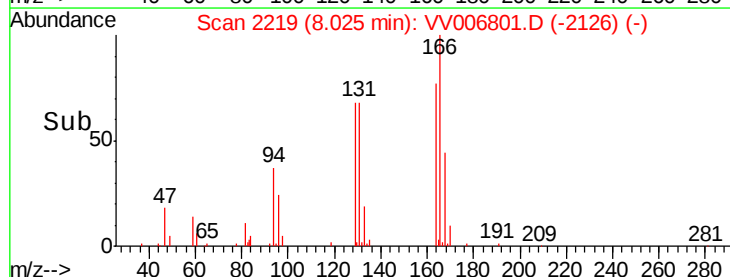
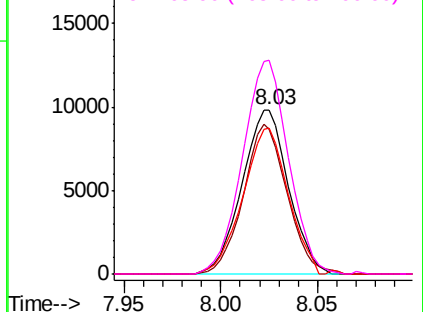


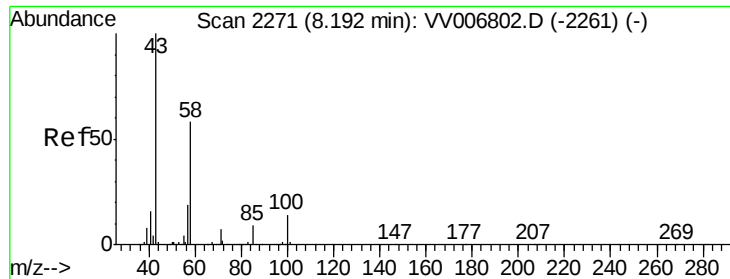
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

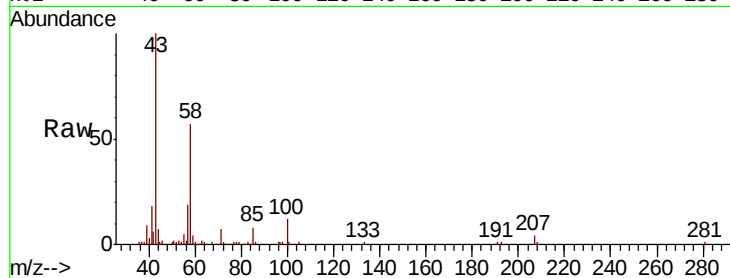




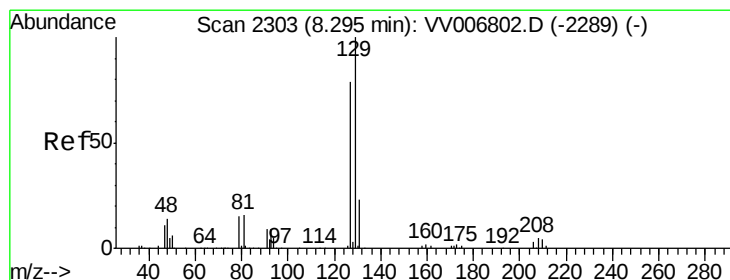
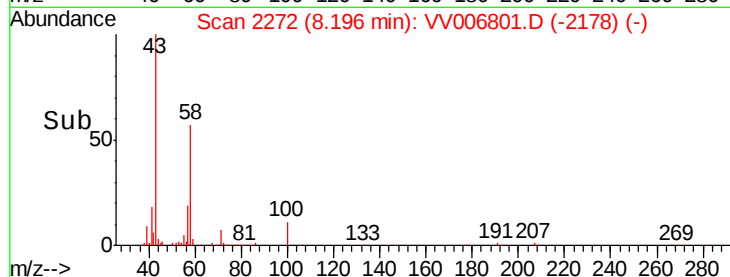
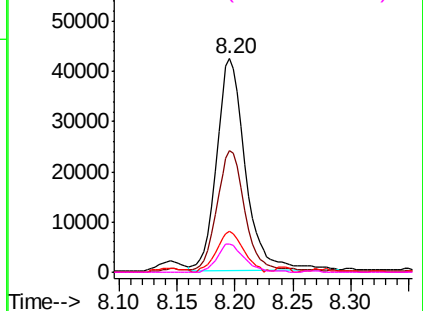
#48
2-Hexanone
Concen: 9.424 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006801.D
Acq: 02 Aug 2018 11:36

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 73453
Ion Ratio Lower Upper
43 100
58 53.6 45.4 68.0
57 18.2 15.4 23.2
100 12.6 10.6 16.0

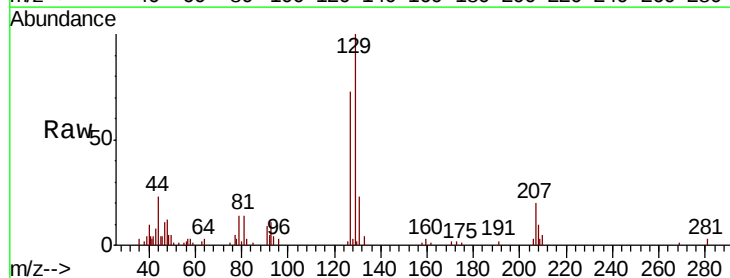


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

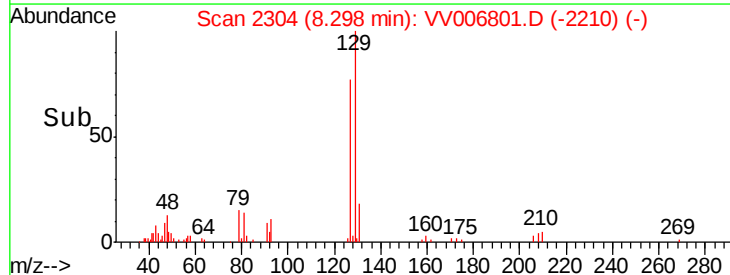
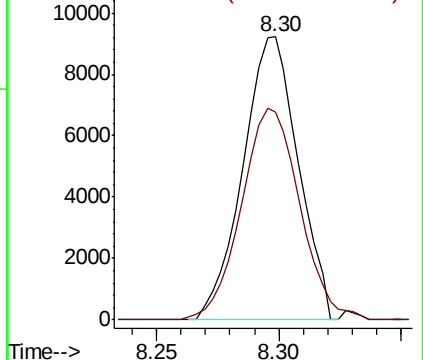


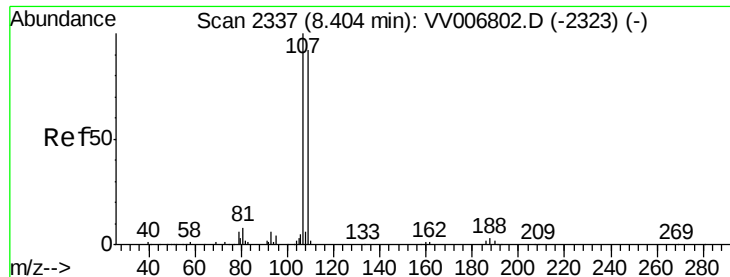
#49
Dibromochloromethane
Concen: 0.954 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006801.D
Acq: 02 Aug 2018 11:36

Tgt Ion: 129 Resp: 14475
Ion Ratio Lower Upper
129 100
127 73.4 55.2 102.4



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





#50

1,2-Dibromoethane

Concen: 1.002 ug/L

RT: 8.40 min Scan# 2337

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

Instrument :
MSVOA_V
ClientSampleId :

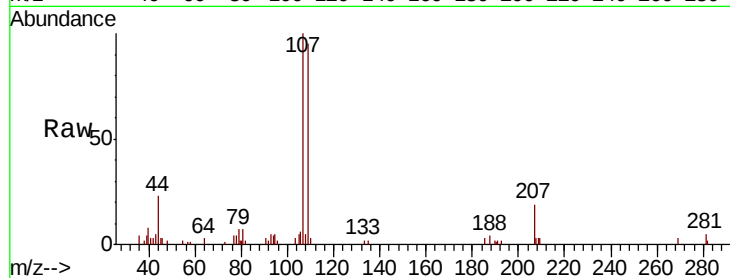
Tot Ion:107 Resp: 12820

Ion Ratio Lower Upper

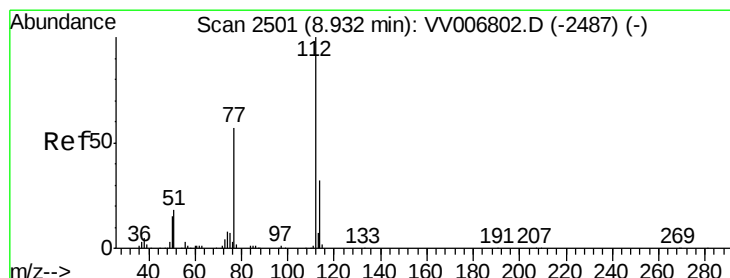
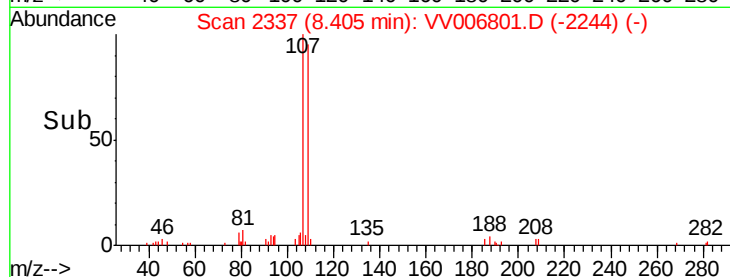
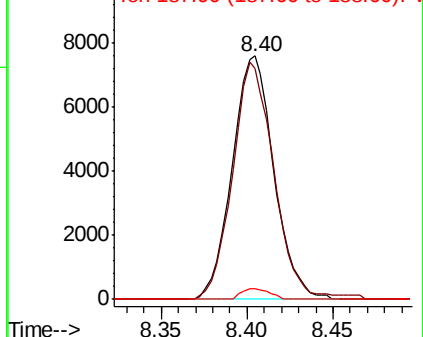
107 100

109 94.8 64.0 119.0

188 4.4 2.8 4.2#



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: 0.998 ug/L

RT: 8.93 min Scan# 2501

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

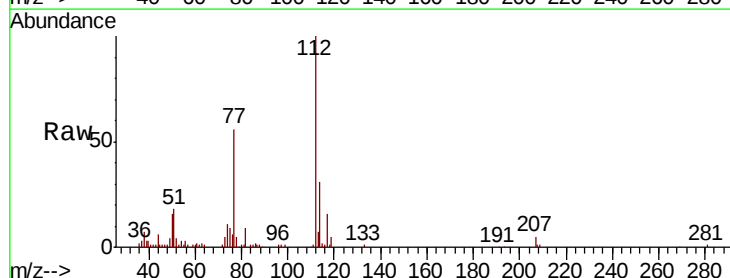
Tgt Ion:112 Resp: 50004

Ion Ratio Lower Upper

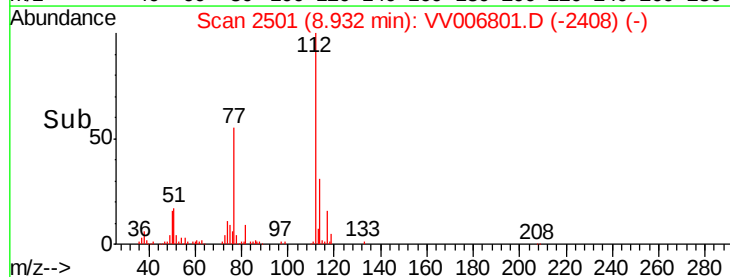
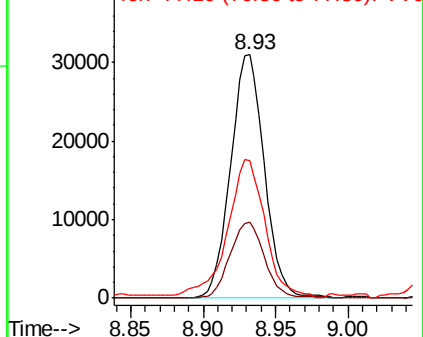
112 100

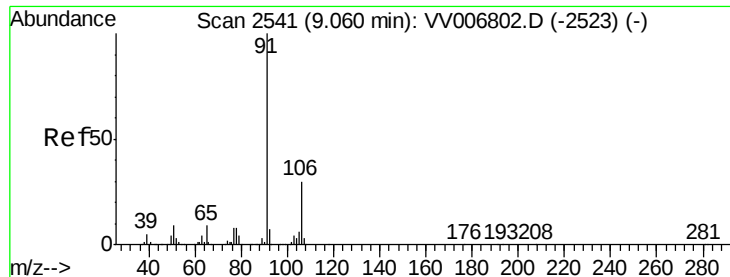
114 31.2 22.3 41.5

77 56.3 46.3 69.5



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: 0.980 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

Instrument :

MSVOA_V

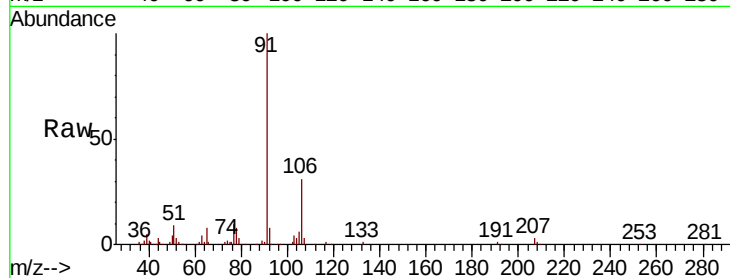
ClientSampled :

Tot Ion: 91 Resp: 79716

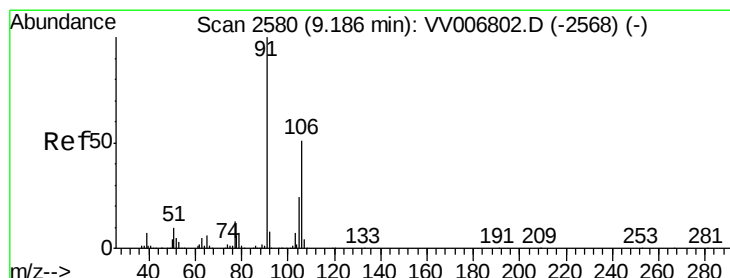
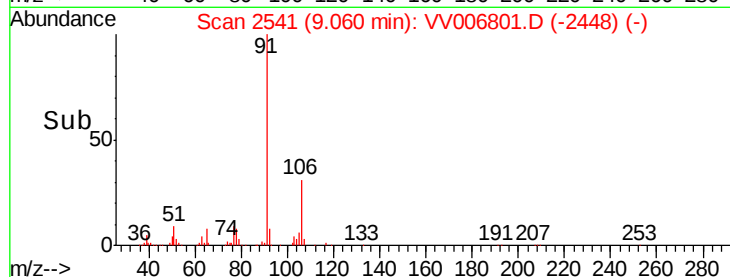
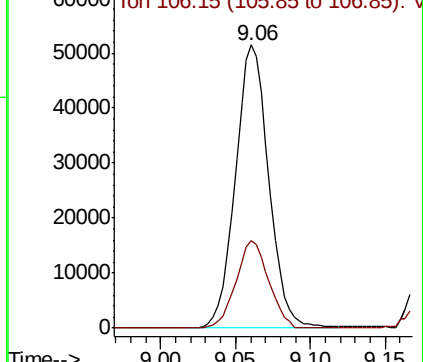
Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV006801.D (-2448) (-)



#53

m,p-xylene

Concen: 0.969 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006801.D

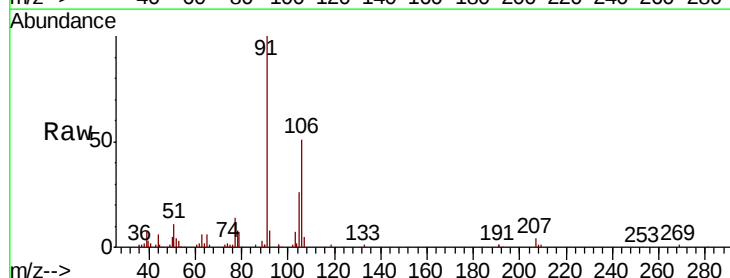
Acq: 02 Aug 2018 11:36

Tgt Ion: 106 Resp: 29249

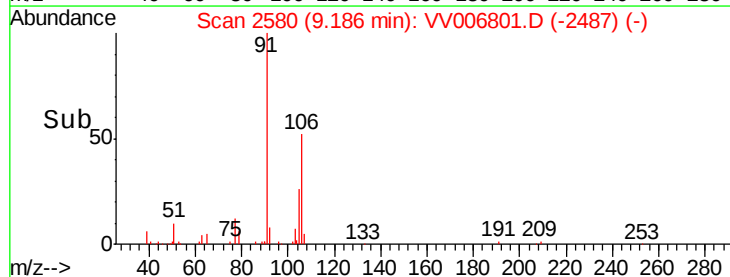
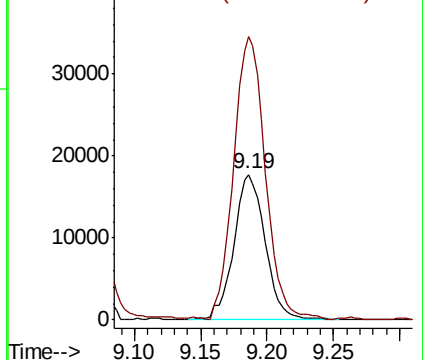
Ion Ratio Lower Upper

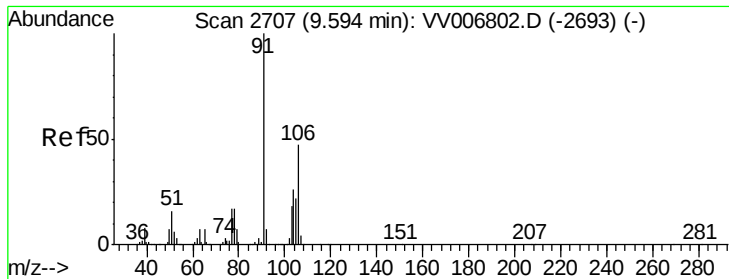
106 100

91 194.8 137.4 255.2



Abundance Ion 106.15 (105.85 to 106.85): VV006801.D (-2487) (-)





#54

o-xylene

Concen: 0.974 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

Instrument :

MSVOA_V

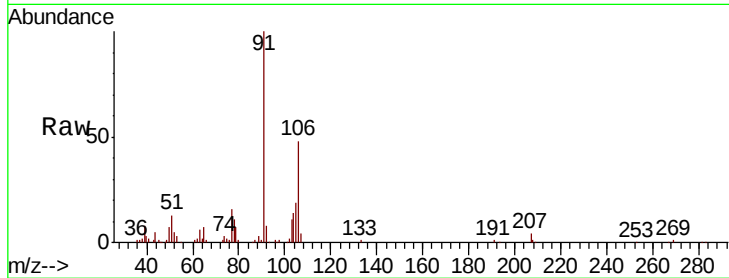
ClientSampled :

Tot Ion:106 Resp: 29686

Ion Ratio Lower Upper

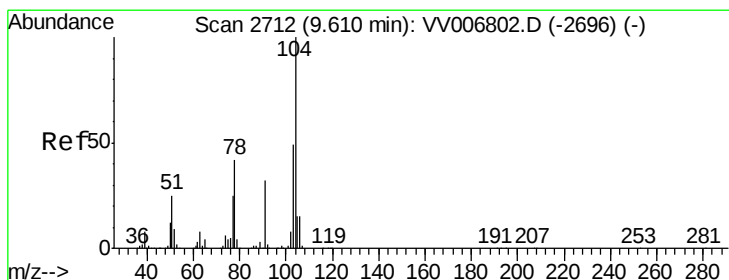
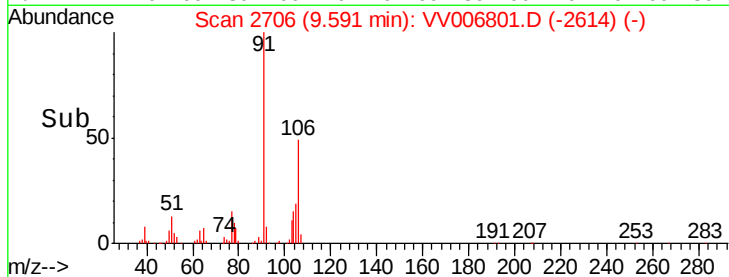
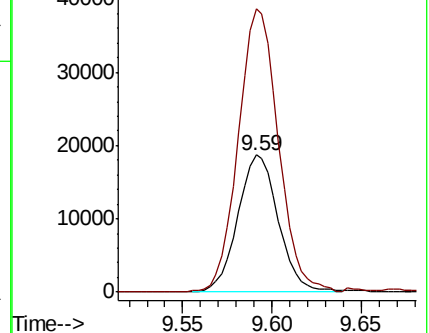
106 100

91 206.4 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.891 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006801.D

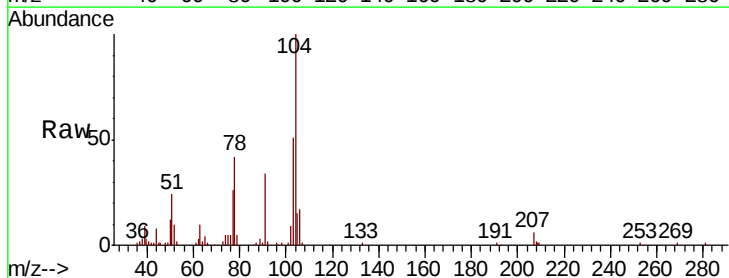
Acq: 02 Aug 2018 11:36

Tgt Ion:104 Resp: 42666

Ion Ratio Lower Upper

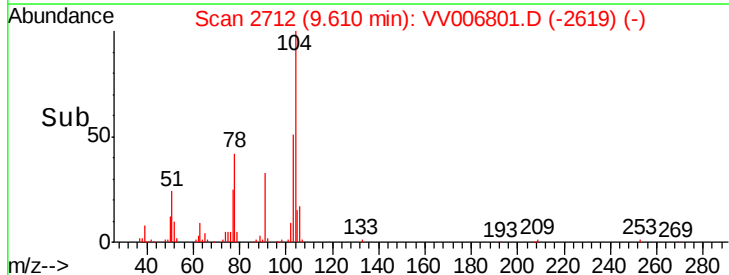
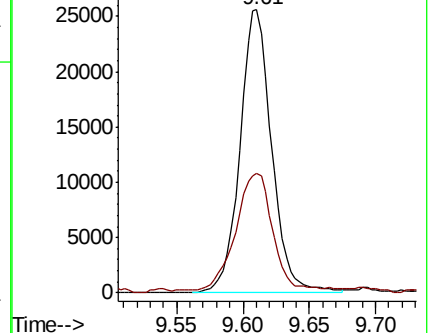
104 100

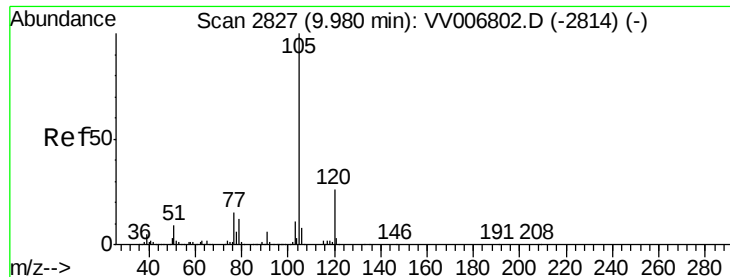
78 42.2 29.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.948 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

Instrument :

MSVOA_V

ClientSampled :

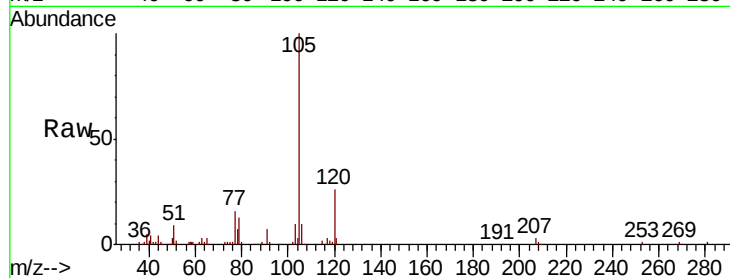
Tot Ion:105 Resp: 73506

Ion Ratio Lower Upper

105 100

120 25.6 21.1 31.7

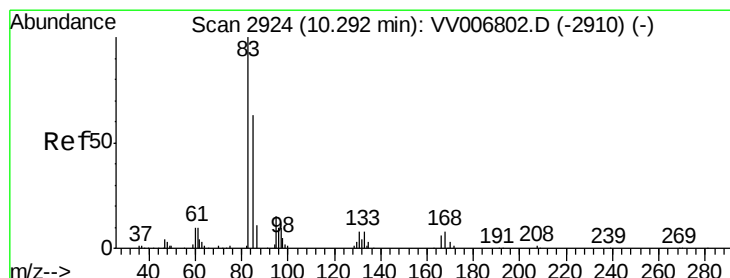
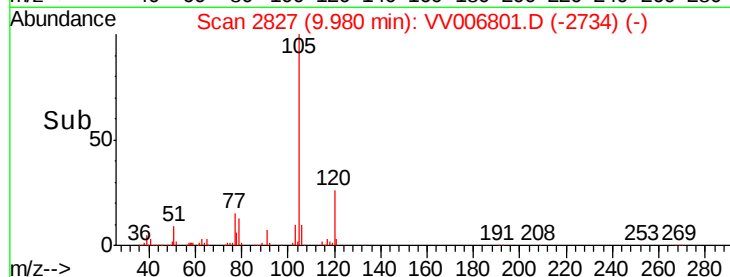
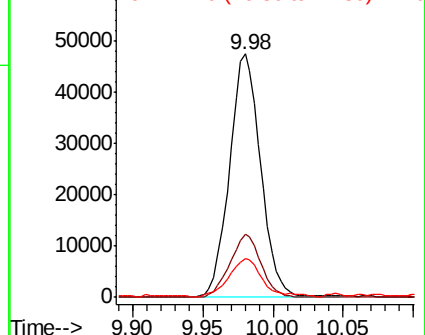
77 17.2 12.0 18.0



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: 1.002 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

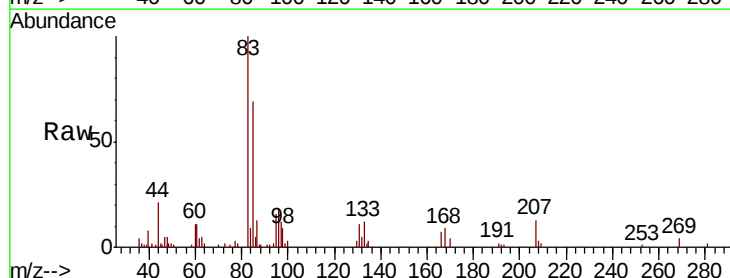
Tgt Ion: 83 Resp: 18193

Ion Ratio Lower Upper

83 100

85 69.4 44.1 81.9

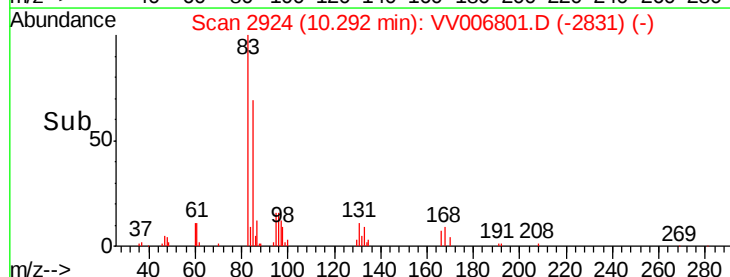
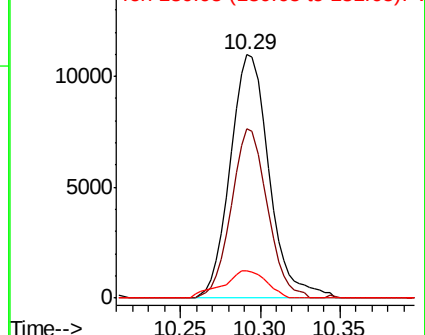
131 11.3 6.6 9.8#

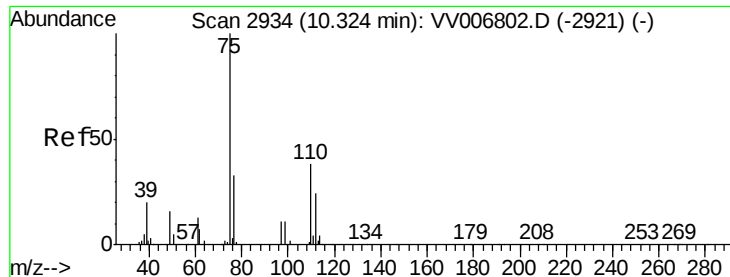


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.035 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

Instrument :

MSVOA_V

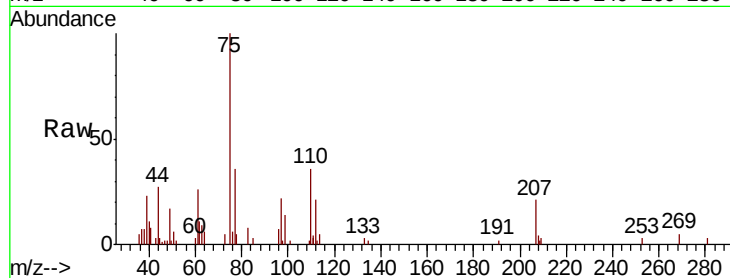
ClientSampleId :

Tot Ion: 75 Resp: 13215

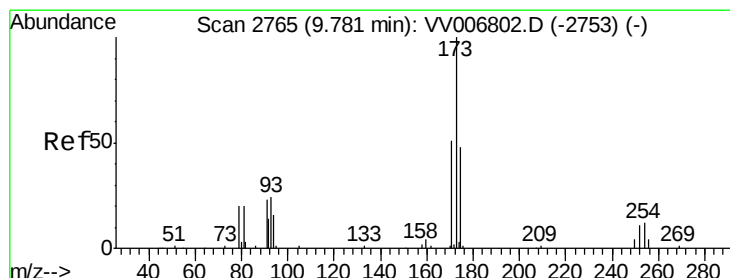
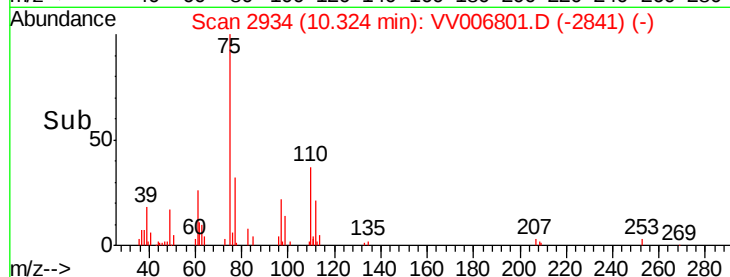
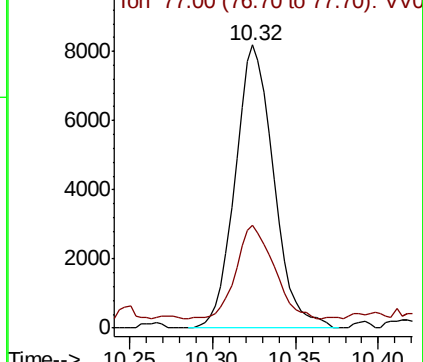
Ion Ratio Lower Upper

75 100

77 33.0 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV006801.D (-2921) (-)



#61

Bromoform

Concen: 0.994 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

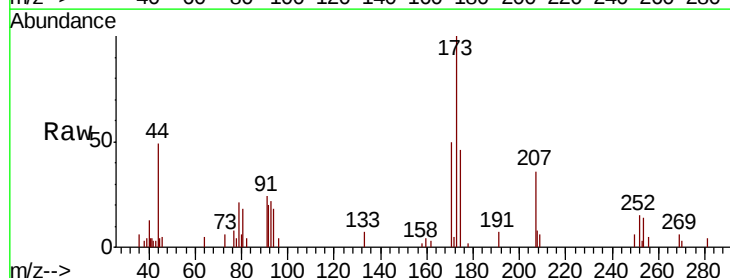
Tgt Ion: 173 Resp: 7542

Ion Ratio Lower Upper

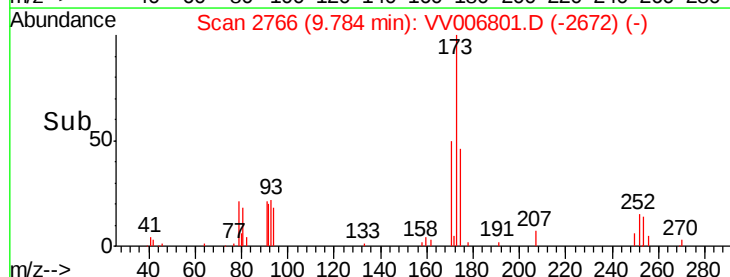
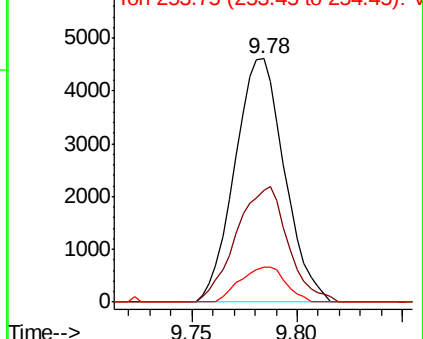
173 100

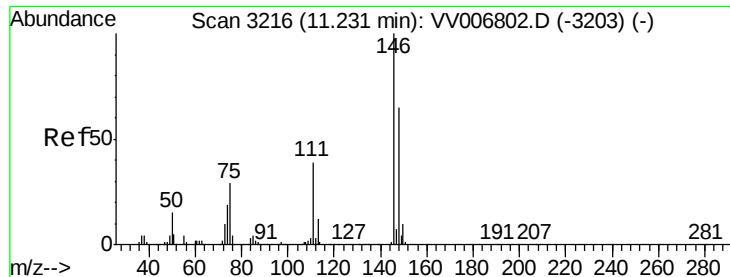
175 49.5 39.3 58.9

254 13.2 9.7 14.5



Abundance Ion 172.90 (172.60 to 173.60): VV006801.D (-2753) (-)





#62

1,3-Dichlorobenzene

Concen: 1.030 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

Instrument :

MSVOA_V

ClientSampleId :

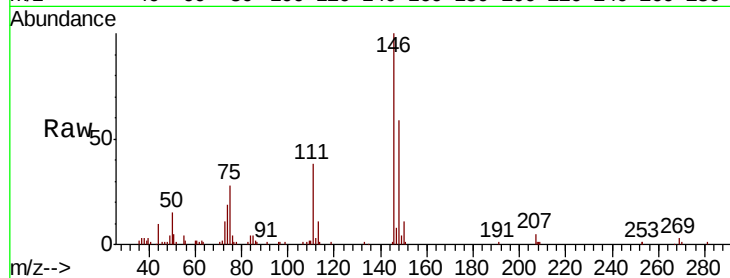
Tot Ion:146 Resp: 36286

Ion Ratio Lower Upper

146 100

111 37.7 27.3 50.7

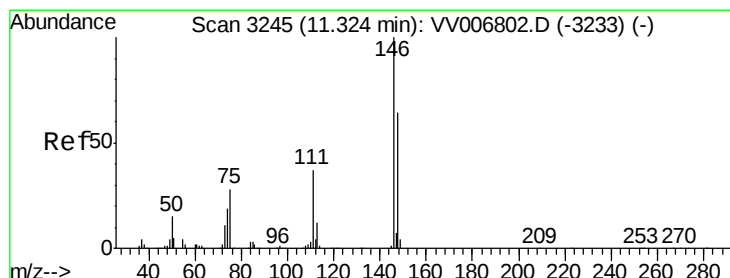
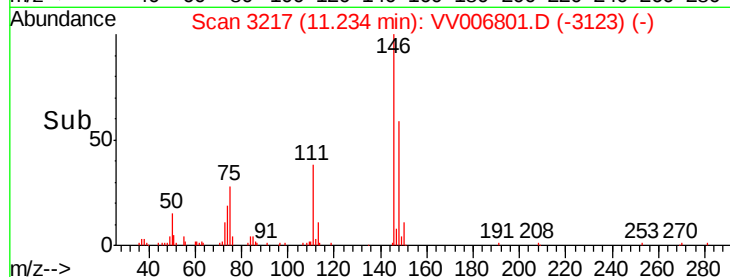
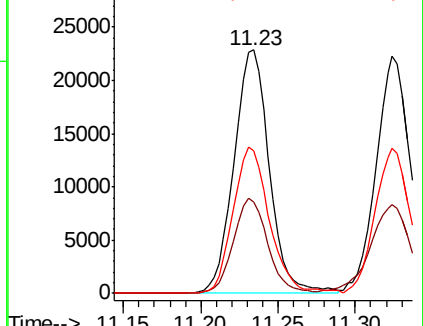
148 58.6 45.1 83.9



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: 1.016 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

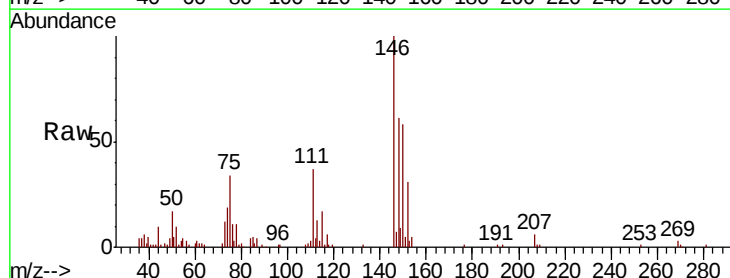
Tgt Ion:146 Resp: 35398

Ion Ratio Lower Upper

146 100

111 37.2 26.2 48.8

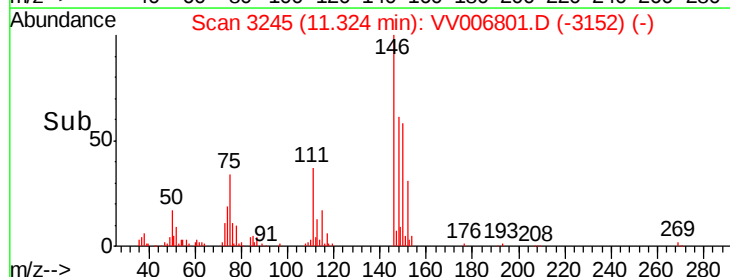
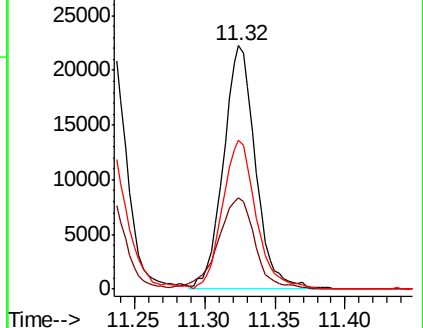
148 61.1 44.9 83.3

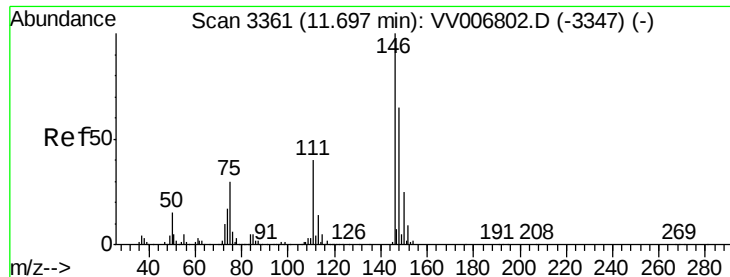


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.029 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

Instrument :

MSVOA_V

ClientSampled :

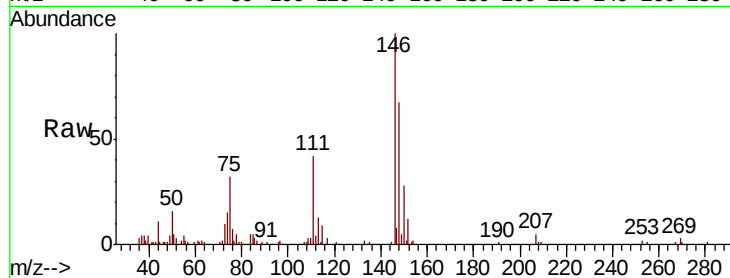
Tot Ion:146 Resp: 35574

Ion Ratio Lower Upper

146 100

111 41.9 31.8 47.6

148 67.0 52.3 78.5

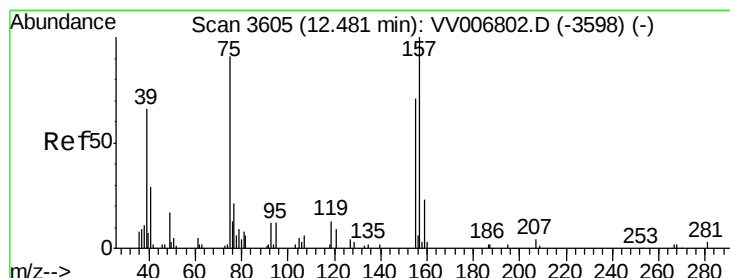
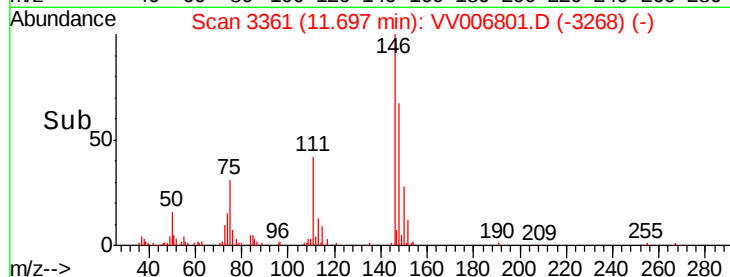
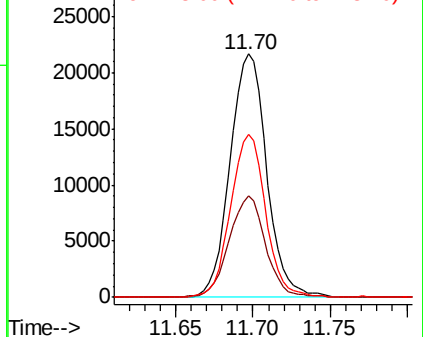


Abundance

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: 1.048 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

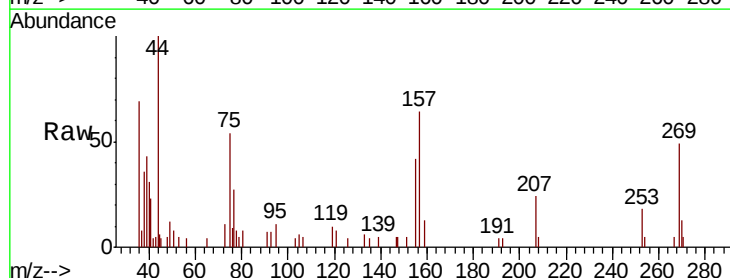
Tgt Ion: 75 Resp: 2520

Ion Ratio Lower Upper

75 100

155 78.4 61.8 92.8

157 118.8 86.6 129.8

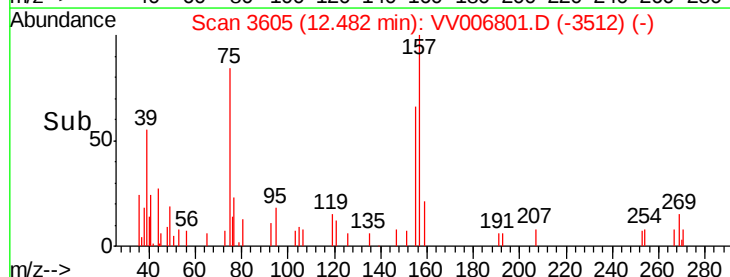
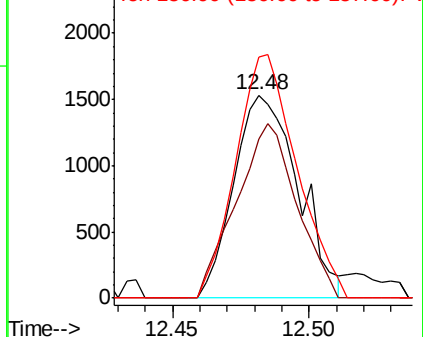


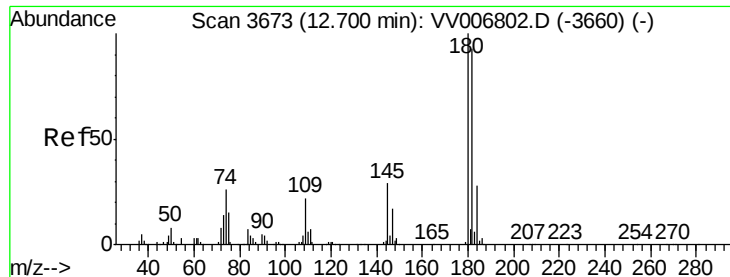
Abundance

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

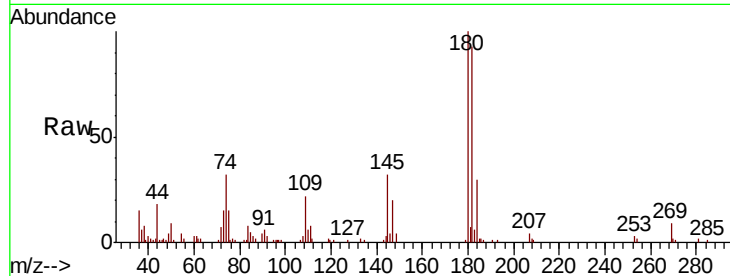




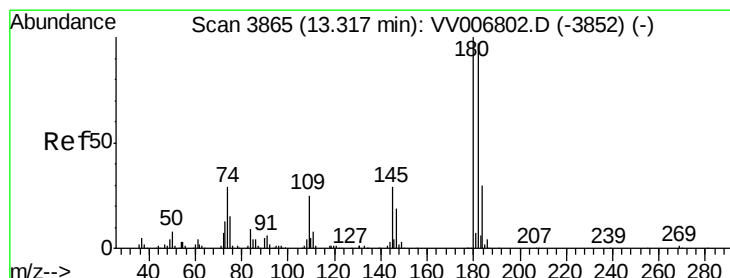
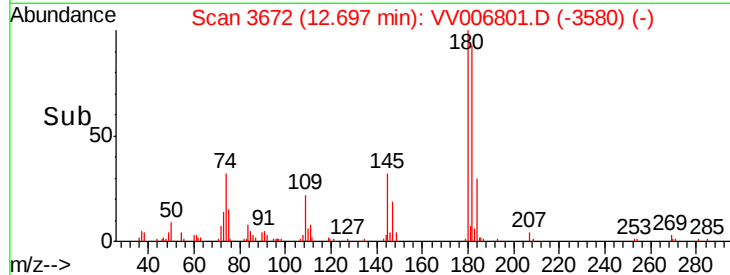
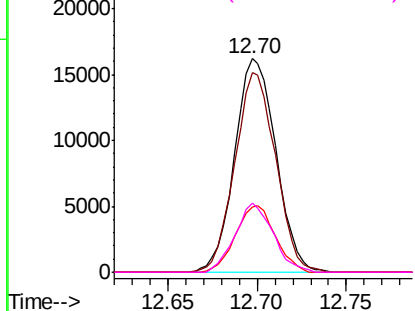
#67
 1,3,5-Trichlorobenzene
 Concen: 0.965 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV006801.D
 Acq: 02 Aug 2018 11:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	26140
Ion	Ratio	Lower Upper
180	100	
182	92.3	74.6 112.0
184	29.9	22.7 34.1
145	29.7	22.9 34.3

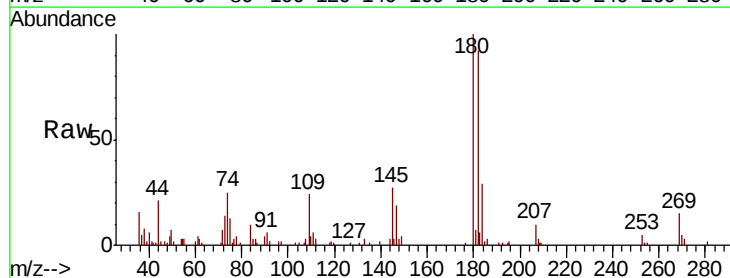


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

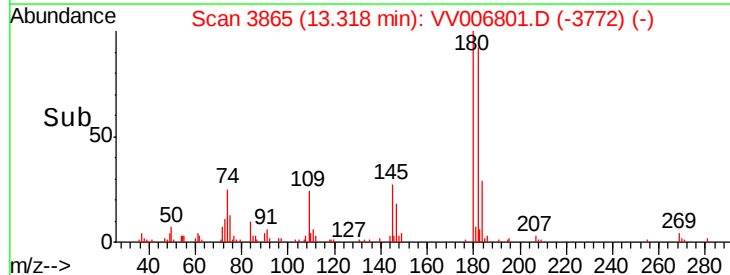
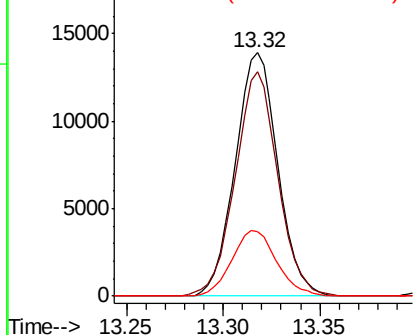


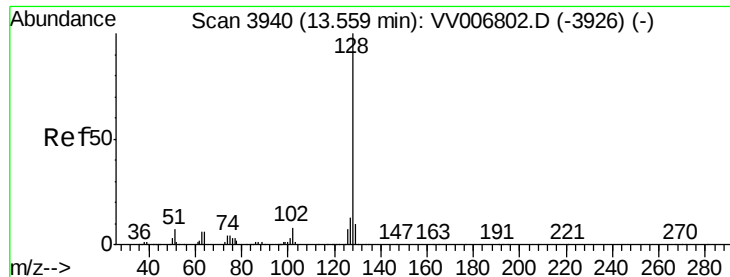
#68
 1,2,4-trichlorobenzene
 Concen: 1.010 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006801.D
 Acq: 02 Aug 2018 11:36

Tgt Ion:180	Resp:	21266
Ion	Ratio	Lower Upper
180	100	
182	92.3	77.0 115.6
145	28.4	23.4 35.2



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: 0.970 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

Instrument :

MSVOA_V

ClientSampleId :

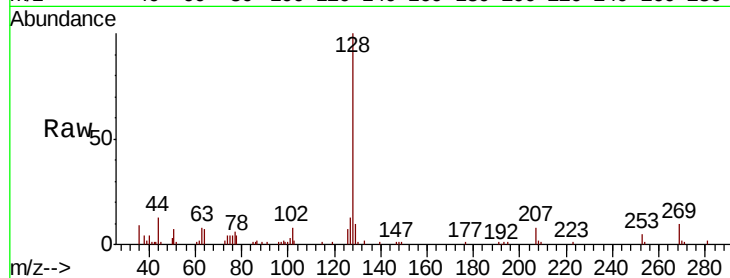
Tot Ion:128 Resp: 35584

Ion Ratio Lower Upper

128 100

129 10.1 8.2 12.4

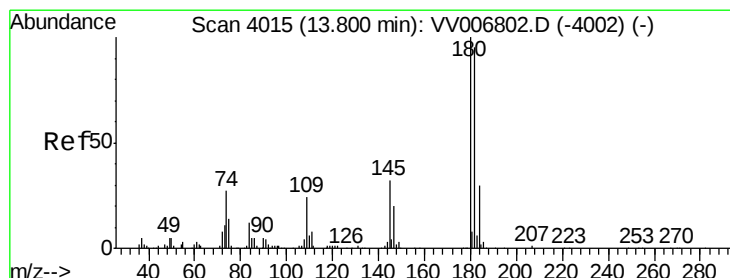
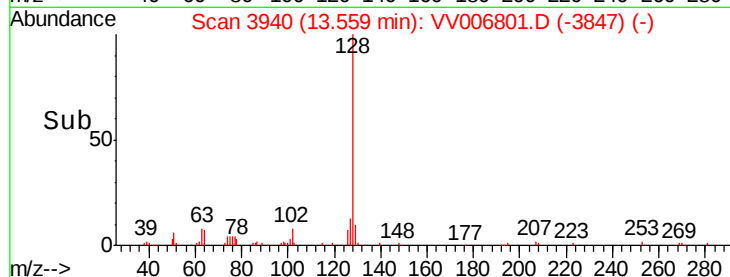
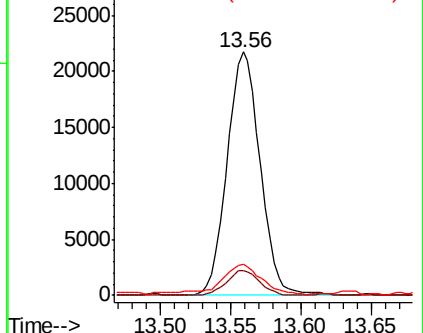
127 16.1 10.7 16.1



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: 0.989 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006801.D

Acq: 02 Aug 2018 11:36

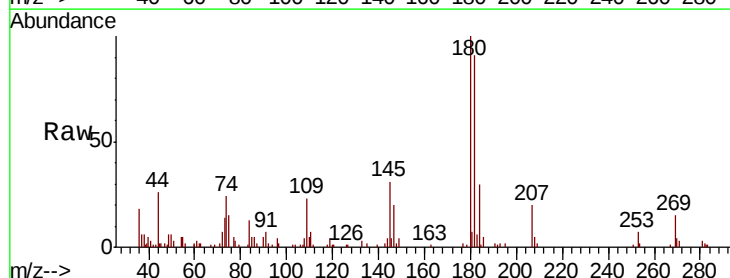
Tgt Ion:180 Resp: 20090

Ion Ratio Lower Upper

180 100

182 92.7 78.0 117.0

145 30.4 25.4 38.0



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

