

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080218\
 Data File : VV006802.D
 Acq On : 02 Aug 2018 12:03
 Operator : SY/MD
 Sample : VSTDICCC005
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 03 01:14:12 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	254074	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	231850	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	102388	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	92738	5.27	ug/L	0.00
7) Chloroethane-d5	1.58	69	76825	5.02	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	166208	5.10	ug/L	0.00
20) 2-Butanone-d5	3.96	46	223058	52.26	ug/L	0.00
24) Chloroform-d	4.41	84	162883	5.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	80574	5.19	ug/L	0.00
32) Benzene-d6	5.10	84	329036	5.25	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	108586	5.26	ug/L	0.00
41) Toluene-d8	7.37	98	295331	5.28	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	36712	5.02	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	166998	51.32	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	81459	5.30	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	99722	5.25	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	99214	4.889	ug/L 100
3) Chloromethane	1.25	50	122774	4.185	ug/L 100
5) Vinyl chloride	1.32	62	110860	4.864	ug/L 100
6) Bromomethane	1.53	94	27250	4.794	ug/L 100
8) Chloroethane	1.60	64	75057	4.900	ug/L 100
9) Trichlorofluoromethane	1.77	101	138427	4.967	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	86829	4.953	ug/L 100
12) 1,1-Dichloroethene	2.14	96	79827	4.916	ug/L 100
13) Acetone	2.20	43	141804	47.114	ug/L 100
14) Carbon disulfide	2.32	76	233568	4.849	ug/L 100
15) Methyl Acetate	2.47	43	42059	4.643	ug/L 100
16) Methylene chloride	2.54	84	89681	4.617	ug/L 100
17) Methyl tert-butyl Ether	2.82	73	212330	4.875	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	84895	4.799	ug/L 100
19) 1,1-Dichloroethane	3.23	63	165253	5.002	ug/L 100
21) 2-Butanone	4.05	43	224376	48.783	ug/L 100
22) cis-1,2-Dichloroethene	3.97	96	93259	4.911	ug/L 100
23) Bromochloromethane	4.31	128	40411	4.892	ug/L 100
25) Chloroform	4.43	83	155952	4.854	ug/L 100
27) 1,2-Dichloroethane	5.19	62	95370	4.880	ug/L 100
29) 1,1,1-Trichloroethane	4.66	97	132411	4.927	ug/L 100
30) Cyclohexane	4.73	56	137023	4.923	ug/L 100
31) Carbon tetrachloride	4.88	117	108514	4.904	ug/L 100
33) Benzene	5.15	78	348980	4.899	ug/L 100
34) Trichloroethene	5.96	95	87537	4.828	ug/L 100
35) Methylcyclohexane	6.18	83	142237	4.941	ug/L 100
37) 1,2-Dichloropropane	6.23	63	93885	5.026	ug/L 100
38) Bromodichloromethane	6.56	83	104722	4.926	ug/L 100
39) cis-1,3-Dichloropropene	7.08	75	120409	4.992	ug/L 100
40) 4-Methyl-2-pentanone	7.29	43	507116	49.057	ug/L 100

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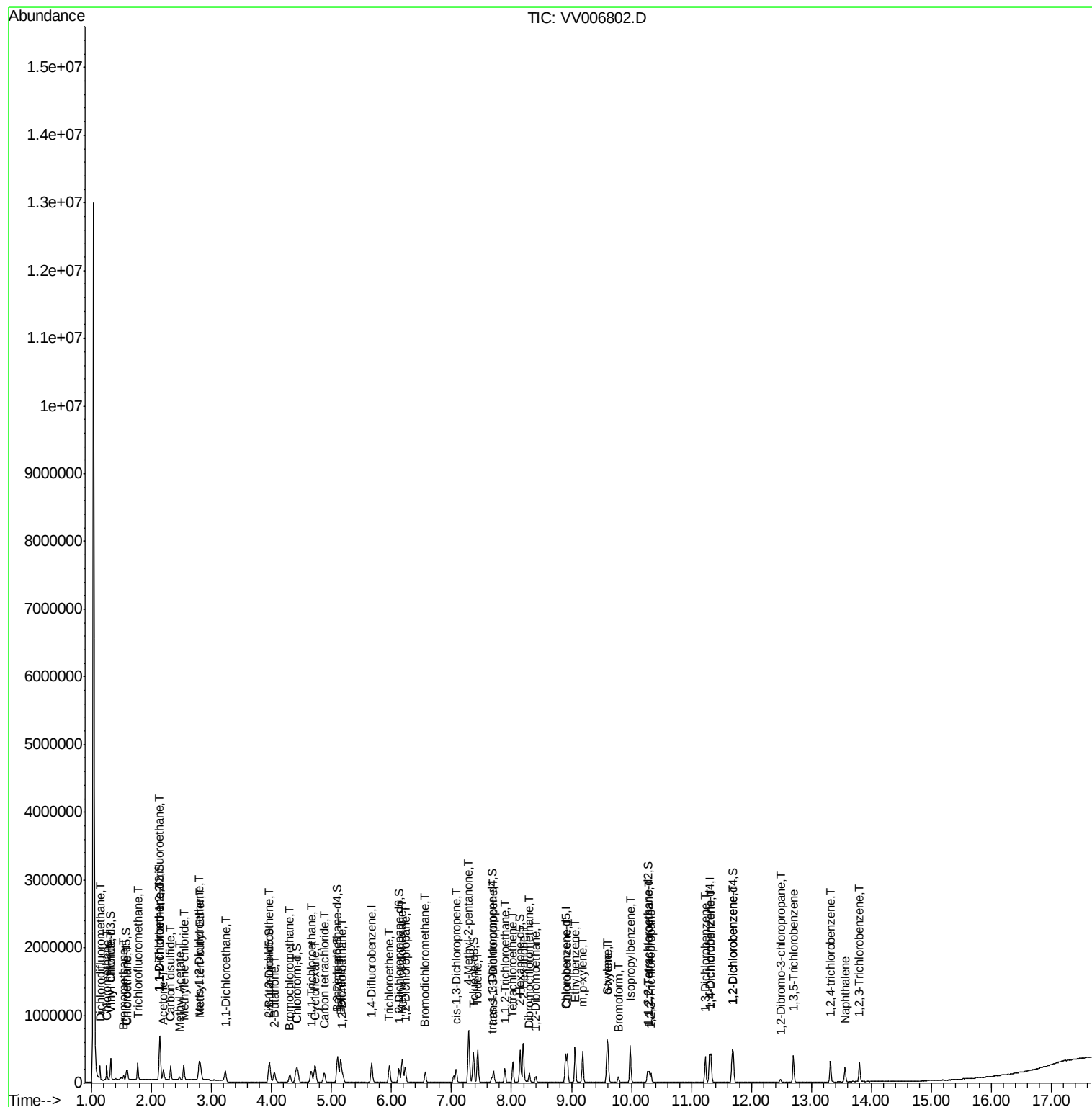
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	347170	4.954	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	96532	4.861	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	66856	4.951	ug/L	100
47) Tetrachloroethene	8.03	164	72362	5.010	ug/L	100
48) 2-Hexanone	8.19	43	353562	50.407	ug/L	100
49) Dibromochloromethane	8.30	129	67327	4.932	ug/L	100
50) 1,2-Dibromoethane	8.40	107	57410	4.988	ug/L	100
51) Chlorobenzene	8.93	112	226826	5.028	ug/L	100
52) Ethylbenzene	9.06	91	357653	4.886	ug/L	100
53) m,p-xylene	9.19	106	134272	4.941	ug/L	100
54) o-xylene	9.59	106	130550	4.761	ug/L	100
55) Styrene	9.61	104	208327	4.835	ug/L	100
56) Isopropylbenzene	9.98	105	344266	4.935	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	79698	4.876	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	56997	4.962	ug/L	100
61) Bromoform	9.78	173	35281	5.060	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	159195	4.919	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	157516	4.920	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	158980	5.006	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	10491	4.751	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	123844	4.975	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	94948	4.911	ug/L	100
69) Naphthalene	13.56	128	165075	4.898	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	92313	4.946	ug/L	100

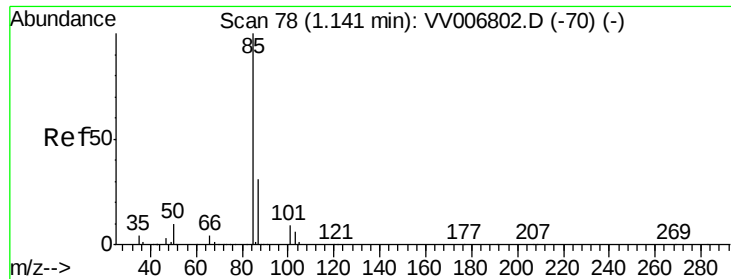
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.889 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

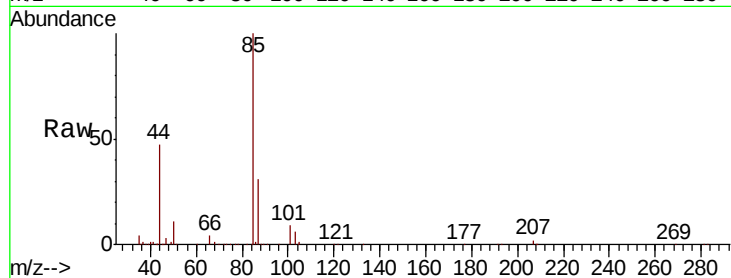
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 99214

Ion Ratio Lower Upper

85 100

87 31.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV006802.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006802.D (-70) (-)

120000

100000

80000

60000

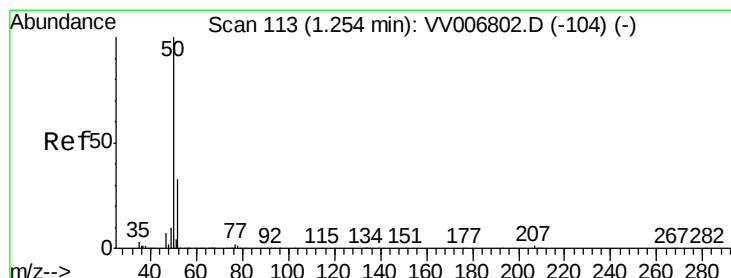
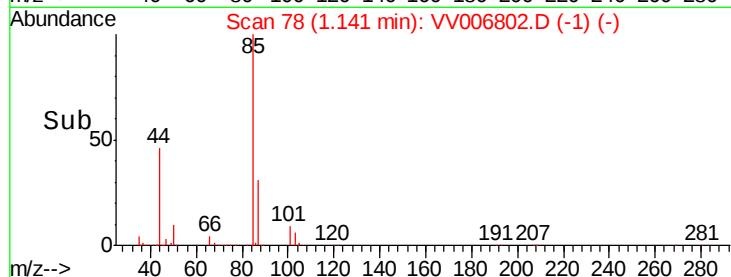
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 4.185 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV006802.D

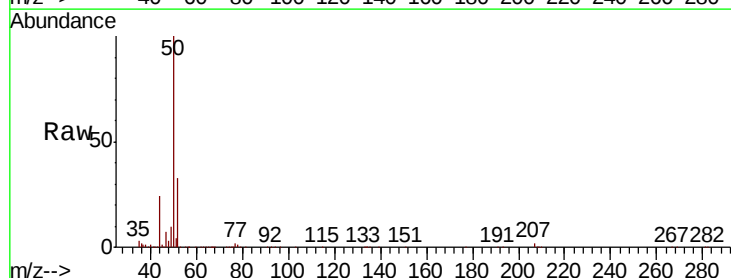
Acq: 02 Aug 2018 12:03

Tgt Ion: 50 Resp: 122774

Ion Ratio Lower Upper

50 100

52 33.3 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV006802.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV006802.D (-104) (-)

150000

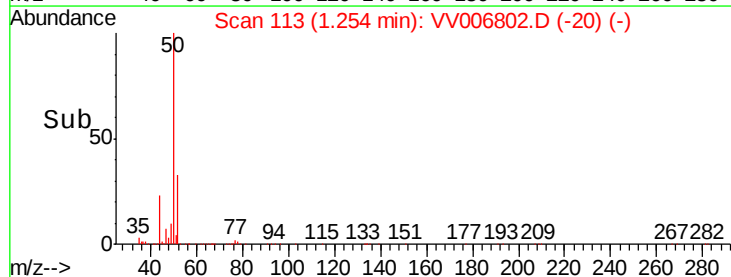
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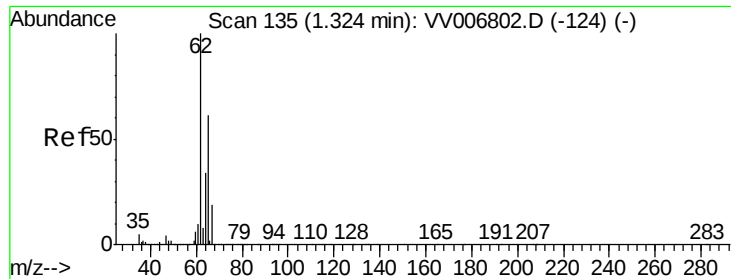
50000

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1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 4.864 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

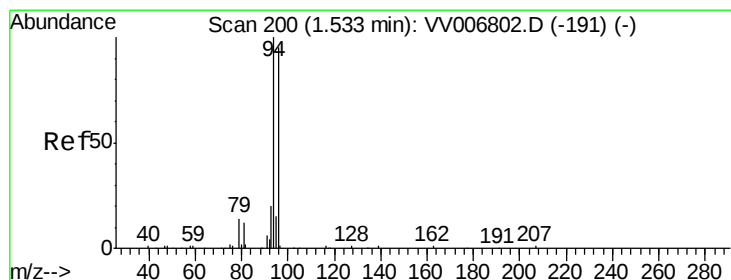
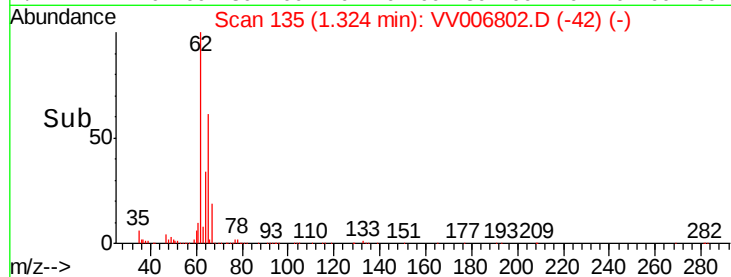
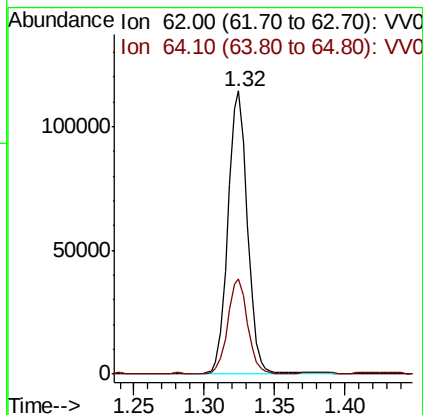
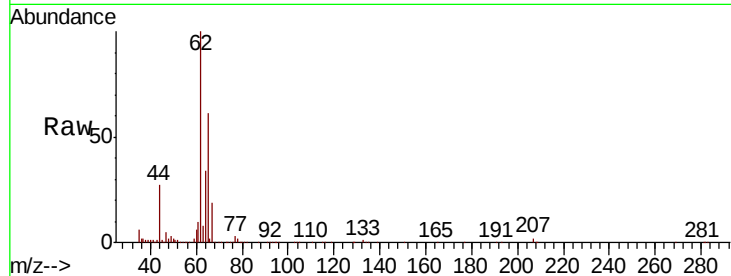
Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 110860

Ion	Ratio	Lower	Upper
62	100		
64	33.8	23.7	43.9



#6

Bromomethane

Concen: 4.794 ug/L

RT: 1.53 min Scan# 200

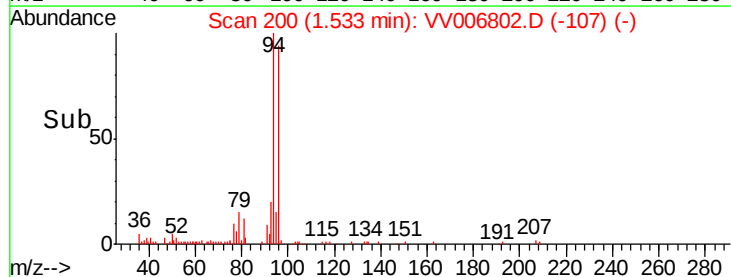
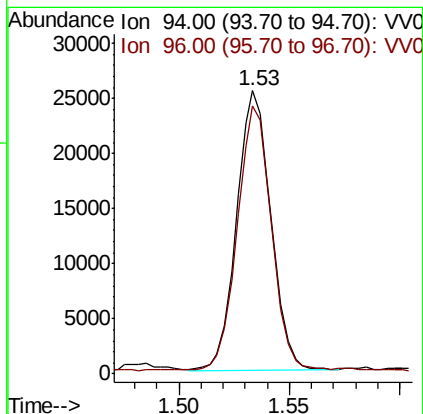
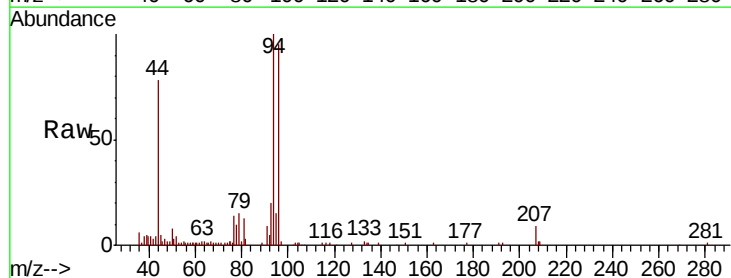
Delta R.T. 0.00 min

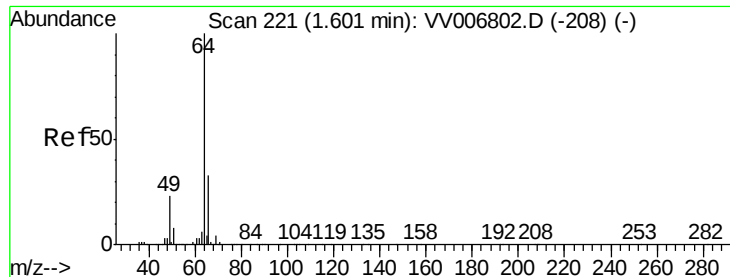
Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

Tgt Ion: 94 Resp: 27250

Ion	Ratio	Lower	Upper
94	100		
96	94.6	66.2	123.0





#8

Chloroethane

Concen: 4.900 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

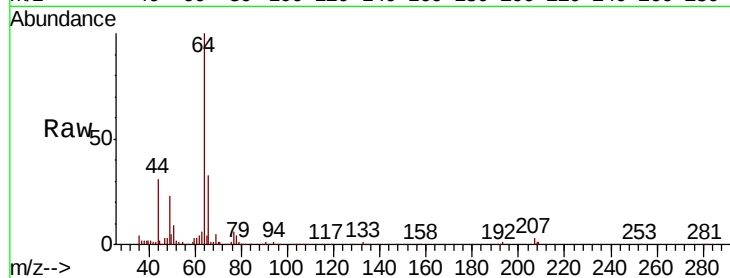
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 75057

Ion Ratio Lower Upper

64 100

66 32.8 23.0 42.6



Abundance Ion 64.10 (63.80 to 64.80): VV006802.D (-208) (-)

Ion 66.05 (65.75 to 66.75): VV006802.D (-208) (-)

1.60

60000

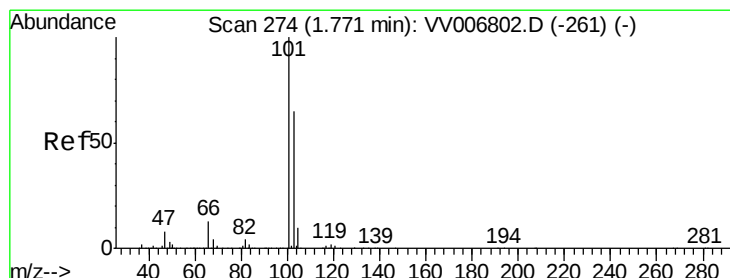
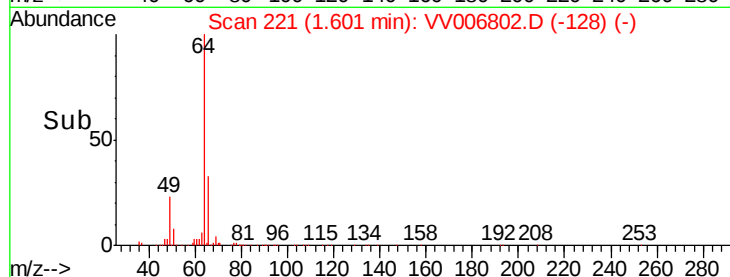
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 4.967 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006802.D

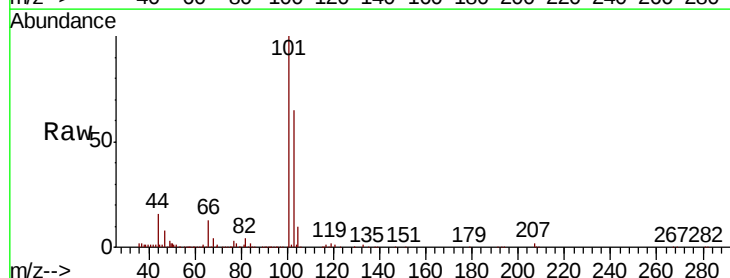
Acq: 02 Aug 2018 12:03

Tgt Ion: 101 Resp: 138427

Ion Ratio Lower Upper

101 100

103 63.9 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VV006802.D (-261) (-)

Ion 103.00 (102.70 to 103.70): VV006802.D (-261) (-)

1.77

120000

100000

80000

60000

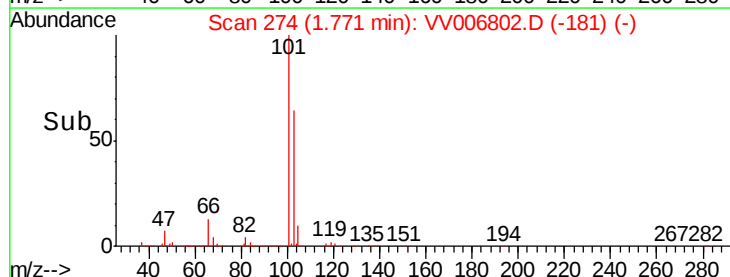
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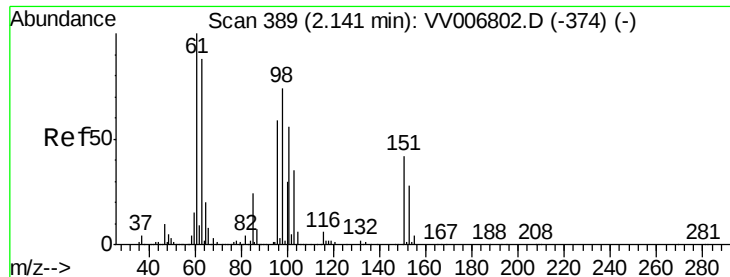
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1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 4.953 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_V

ClientSampleId :

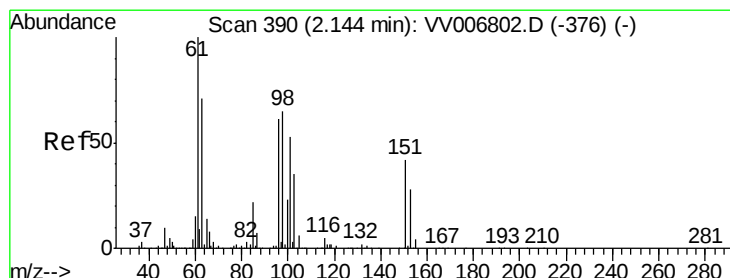
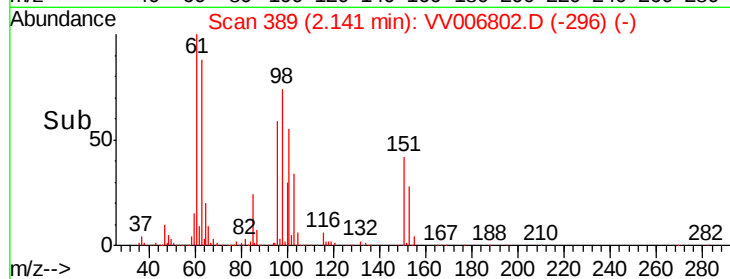
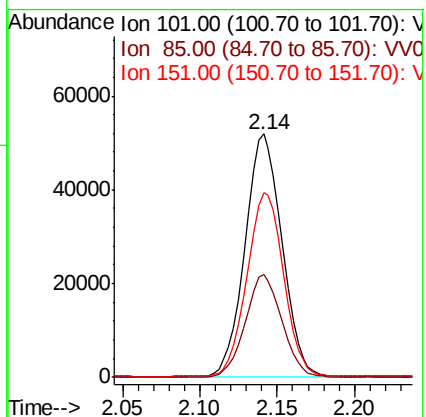
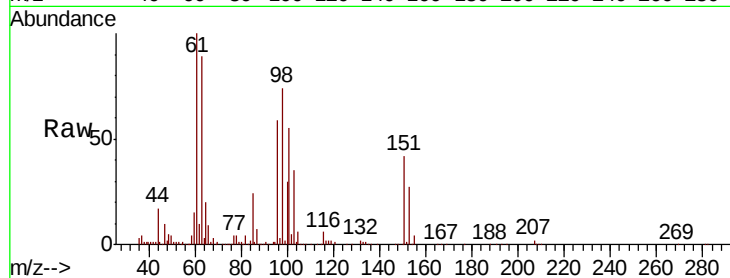
Tot Ion:101 Resp: 86829

Ion Ratio Lower Upper

101 100

85 41.6 33.3 49.9

151 74.3 59.4 89.2



#12

1,1-Dichloroethene

Concen: 4.916 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

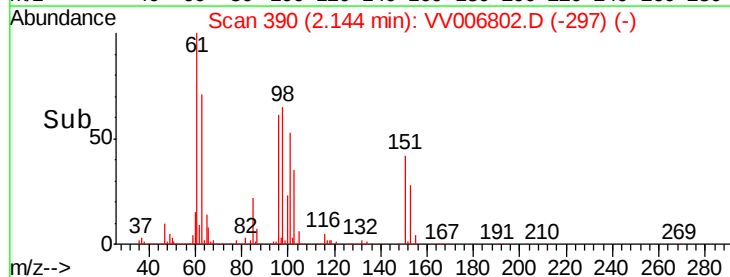
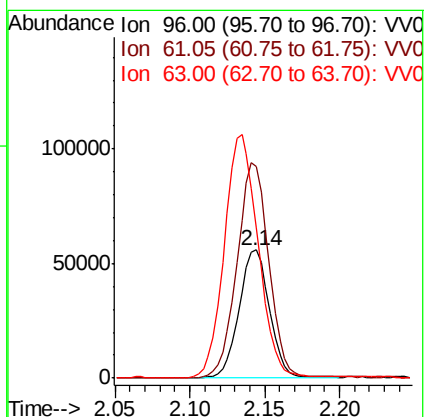
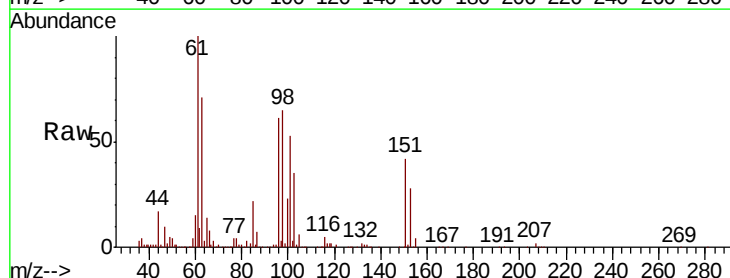
Tgt Ion: 96 Resp: 79827

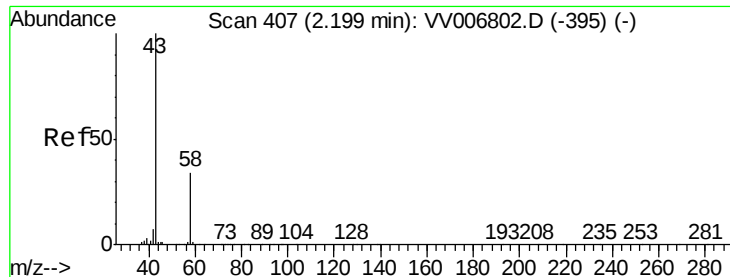
Ion Ratio Lower Upper

96 100

61 164.7 115.3 214.1

63 117.0 81.9 152.1





#13

Acetone

Concen: 47.114 ug/L

RT: 2.20 min Scan# 407

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

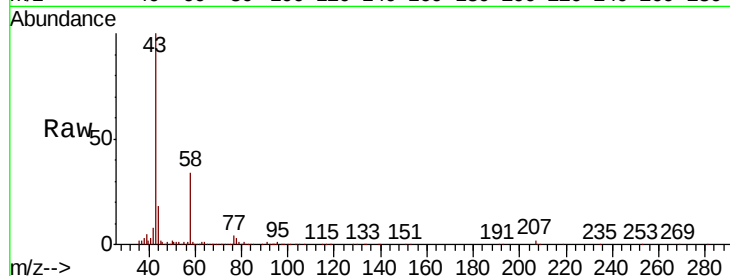
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 141804

Ion Ratio Lower Upper

43 100

58 34.5 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) (-)

2.20

100000

80000

60000

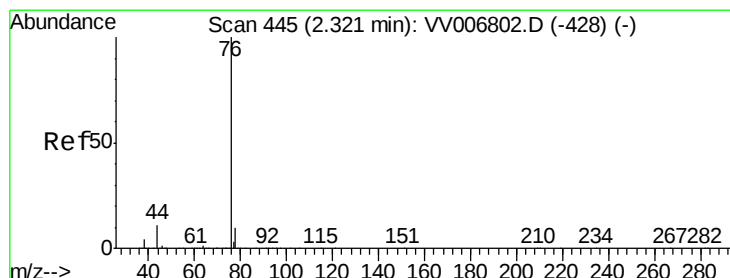
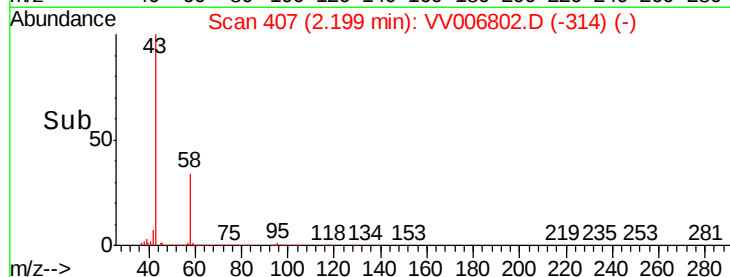
40000

20000

0

2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 4.849 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006802.D

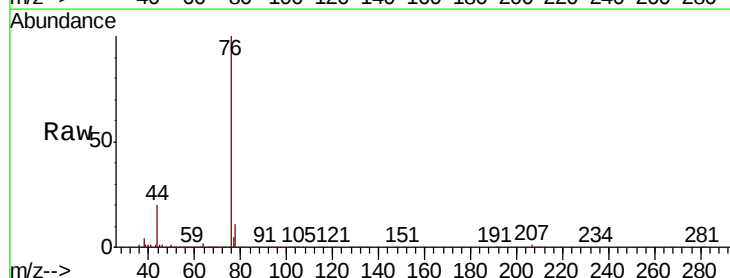
Acq: 02 Aug 2018 12:03

Tgt Ion: 76 Resp: 233568

Ion Ratio Lower Upper

76 100

78 10.9 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) (-)

2.32

150000

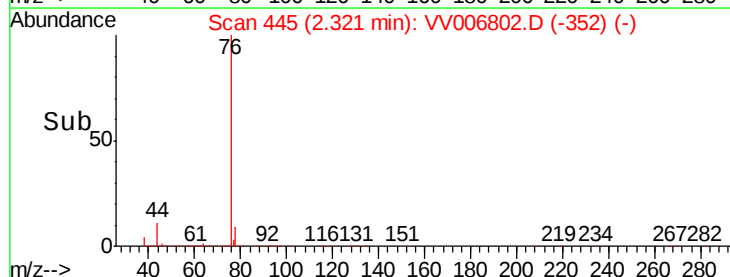
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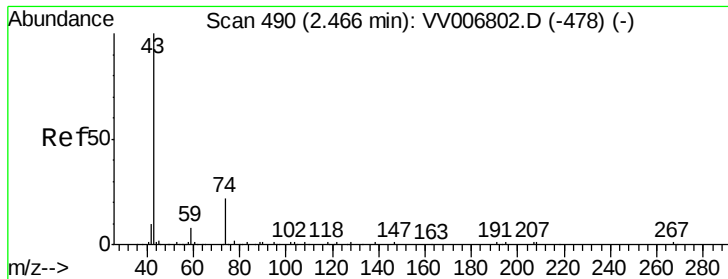
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0

2.25 2.30 2.35 2.40

Time-->

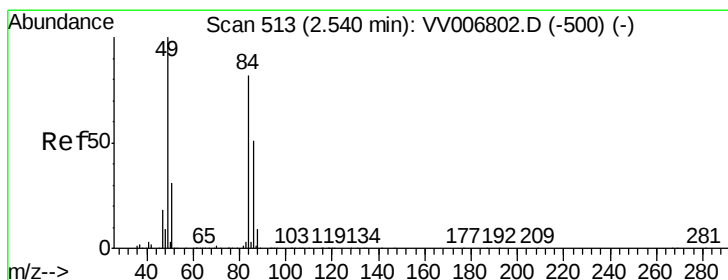
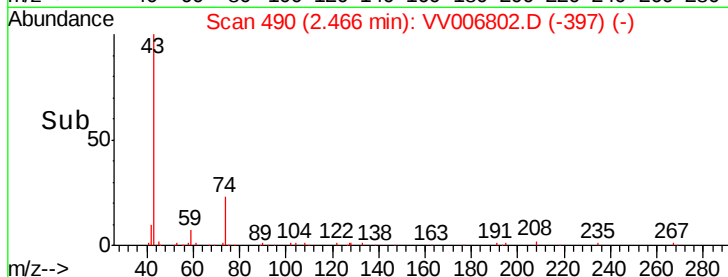
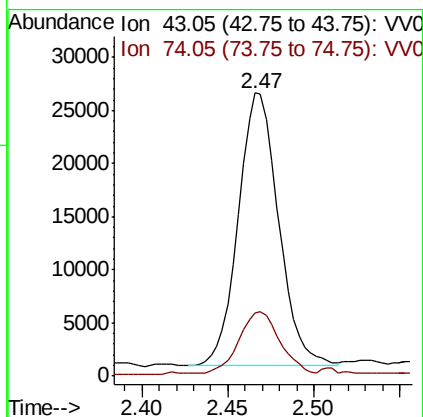
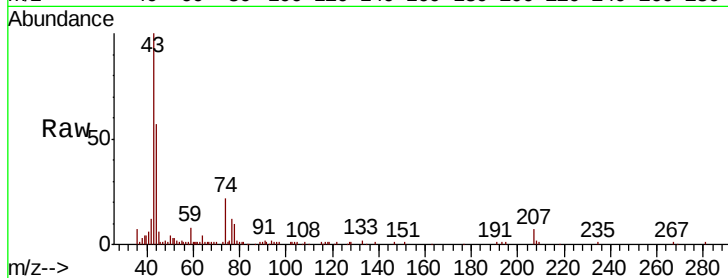




#15
Methvl Acetate
Concen: 4.643 ug/L
RT: 2.47 min Scan# 490
Delta R.T. 0.00 min
Lab File: VV006802.D
Acq: 02 Aug 2018 12:03

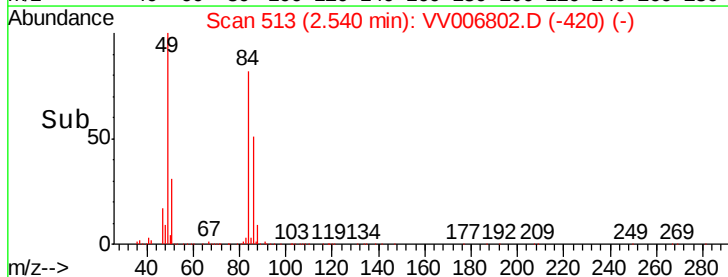
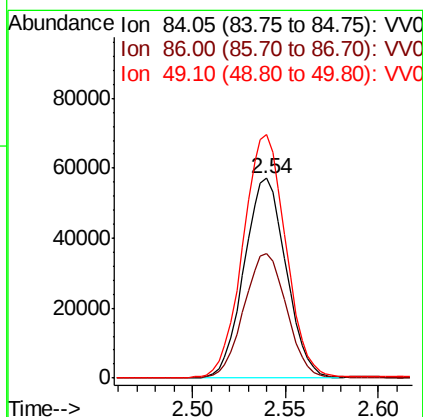
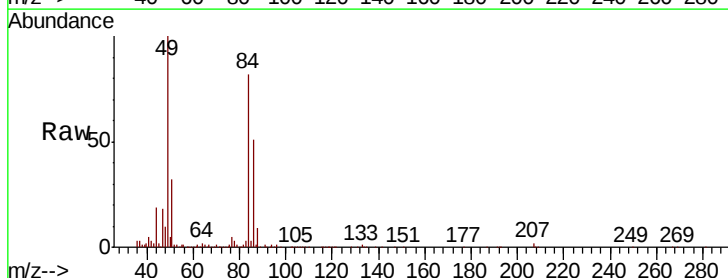
Instrument :
MSVOA_V
ClientSampleId :

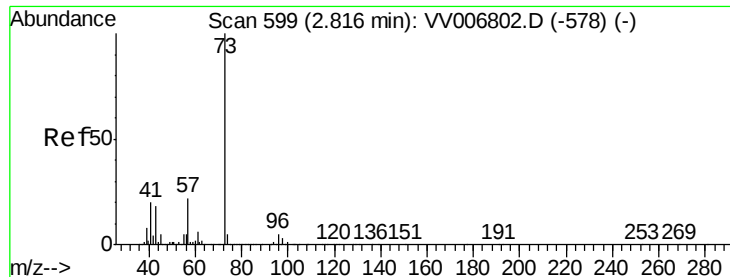
Tot Ion: 43 Resp: 42059
Ion Ratio Lower Upper
43 100
74 22.9 18.3 27.5



#16
Methylene chloride
Concen: 4.617 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006802.D
Acq: 02 Aug 2018 12:03

Tgt Ion: 84 Resp: 89681
Ion Ratio Lower Upper
84 100
86 62.5 43.8 81.3
49 121.9 85.3 158.5

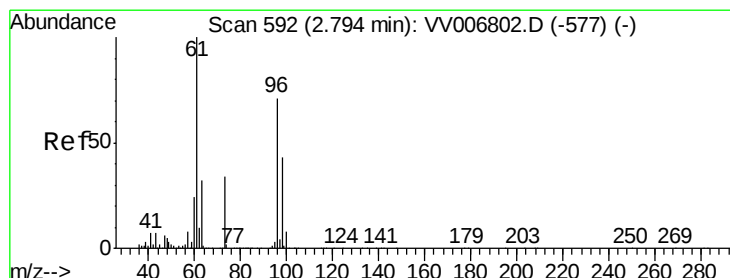
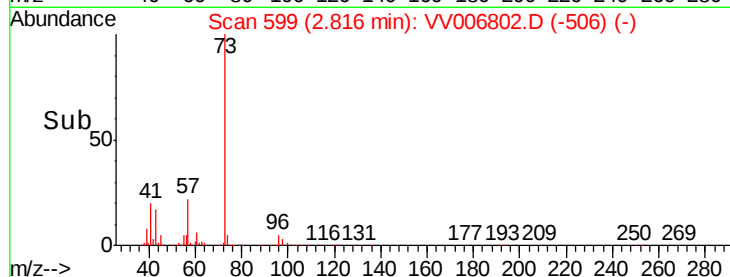
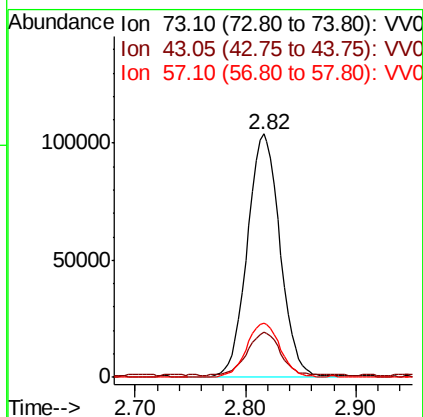
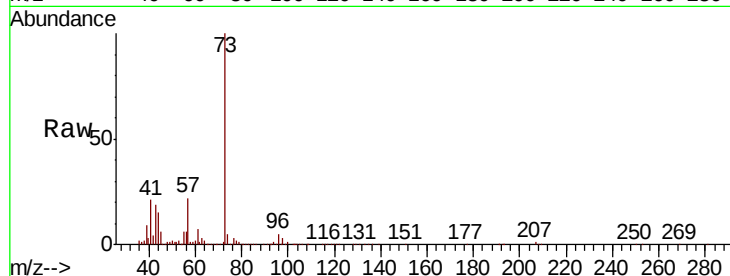




#17
Methvl tert-butvl Ether
Concen: 4.875 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV006802.D
Acq: 02 Aug 2018 12:03

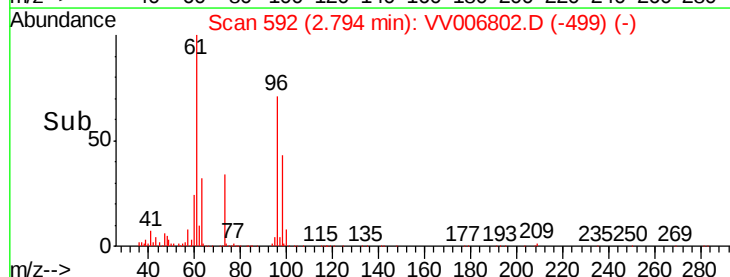
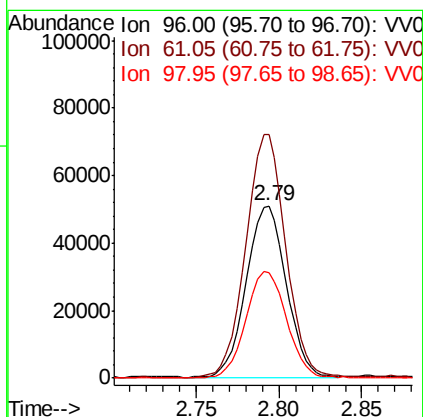
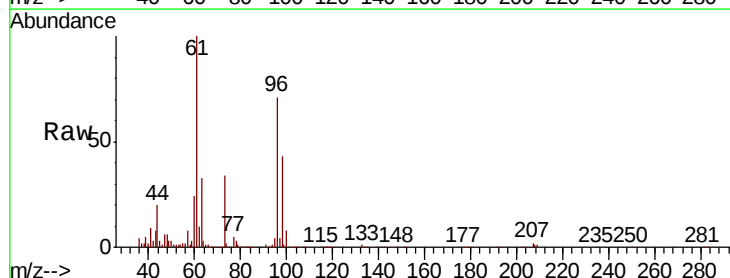
Instrument :
MSVOA_V
ClientSampleId :

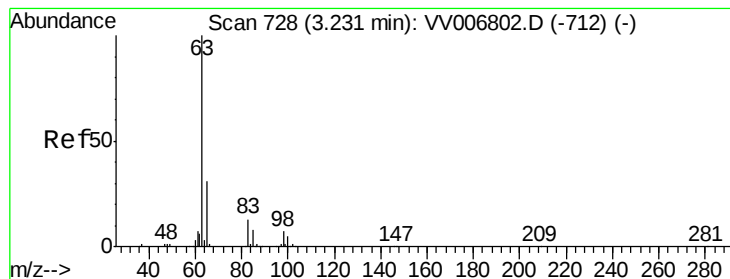
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.3	14.6	22.0
57	22.5	18.0	27.0



#18
trans-1,2-Dichloroethene
Concen: 4.799 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV006802.D
Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.4	99.0	183.8
98	61.1	42.8	79.4





#19

1,1-Dichloroethane

Concen: 5.002 ug/L

RT: 3.23 min Scan# 728

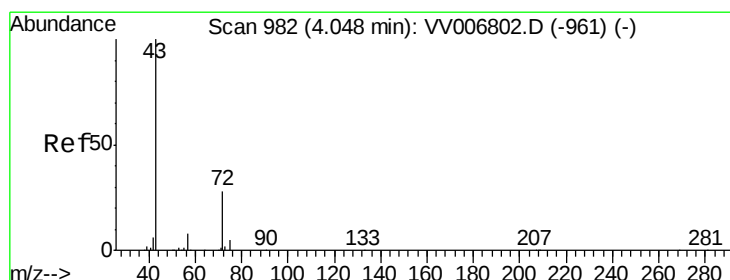
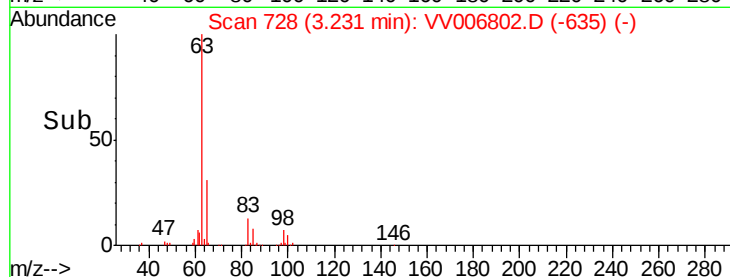
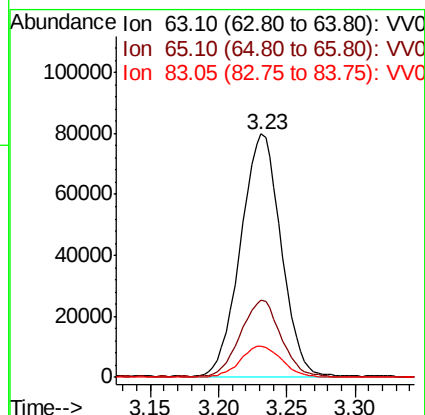
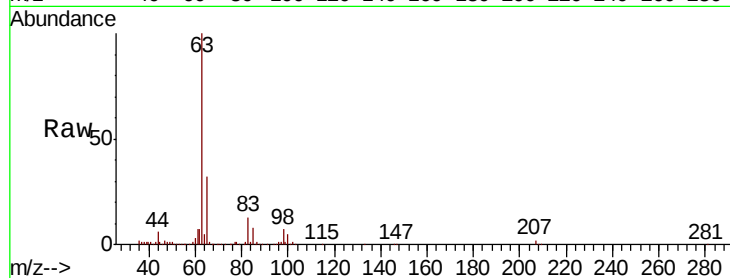
Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	63	Resp:	165253
Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.2	41.2
83	12.8	9.0	16.6



#21

2-Butanone

Concen: 48.783 ug/L

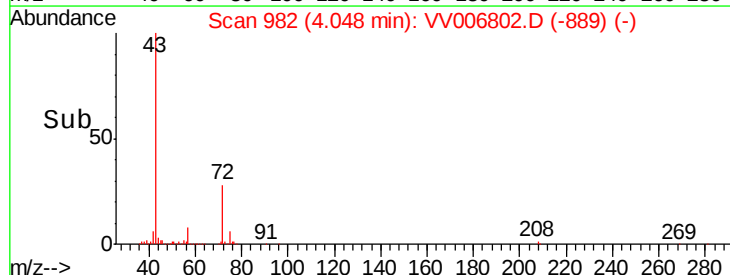
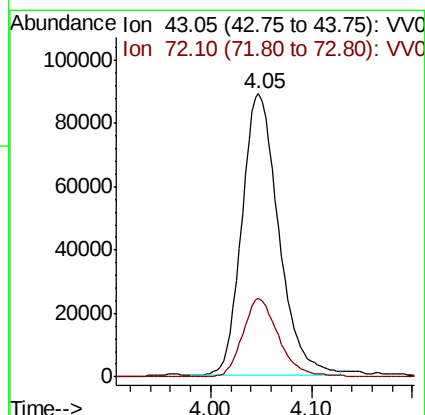
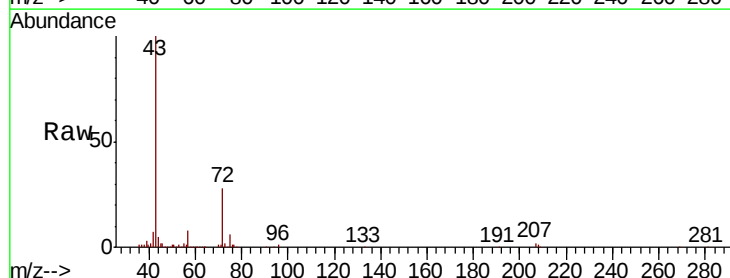
RT: 4.05 min Scan# 982

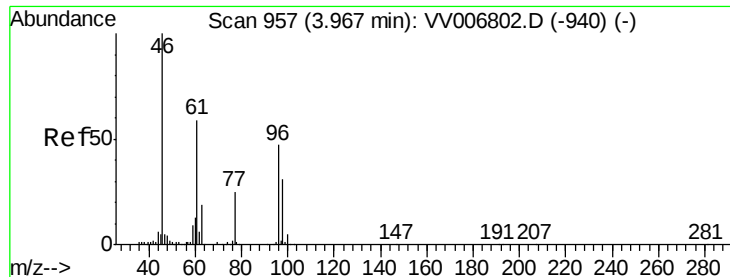
Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

Tgt Ion:	43	Resp:	224376
Ion	Ratio	Lower	Upper
43	100		
72	26.7	13.4	40.1



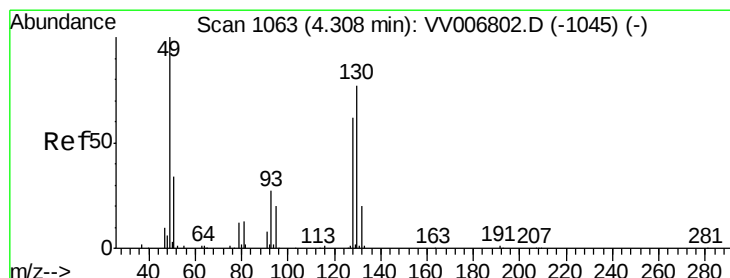
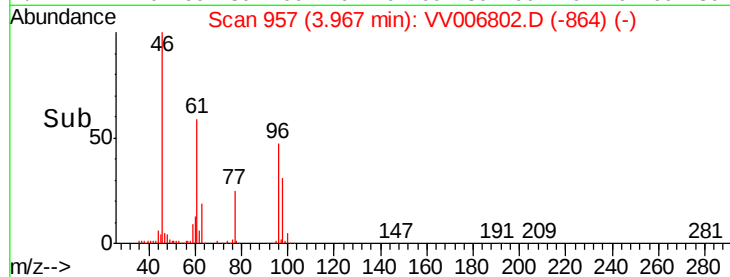
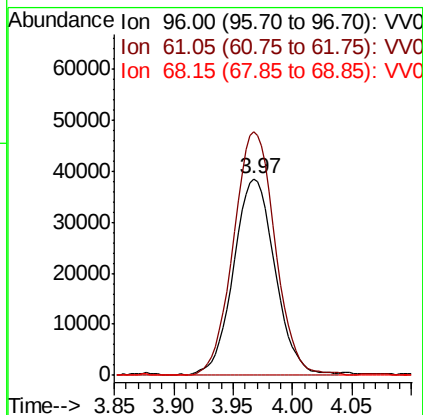
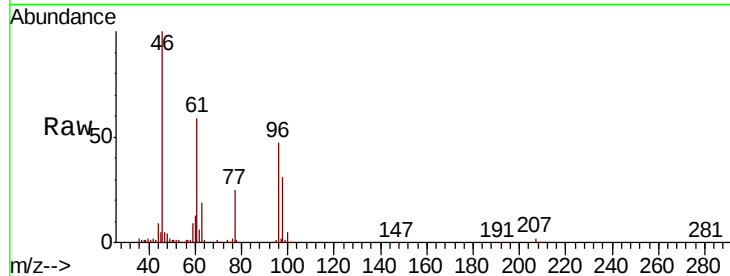


#22

cis-1,2-Dichloroethene
 Concen: 4.911 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV006802.D
 Acq: 02 Aug 2018 12:03

Instrument :
 MSVOA_V
 ClientSampleId :

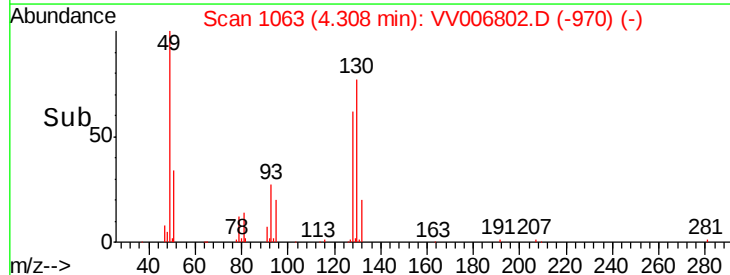
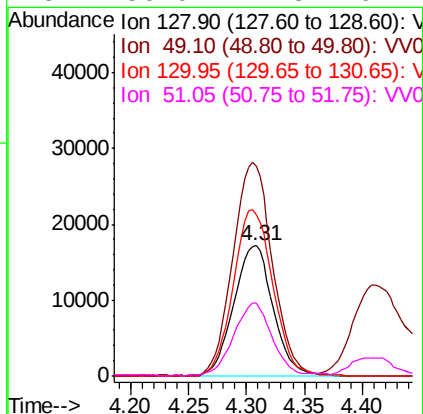
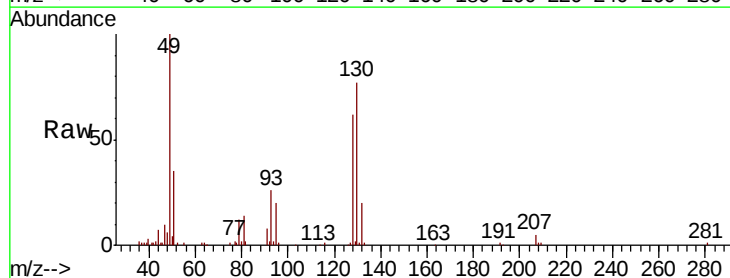
Tot Ion	Ratio	Lower	Upper
96	100		
61	123.7	86.6	160.8
68	0.0	0.0	0.0

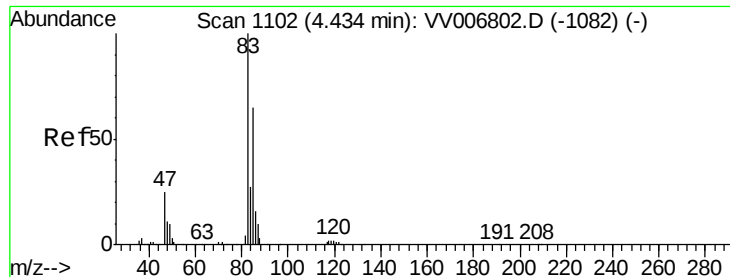


#23

Bromochloromethane
 Concen: 4.892 ug/L
 RT: 4.31 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VV006802.D
 Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
128	100		
49	161.9	113.3	210.5
130	124.4	87.1	161.7
51	56.0	44.8	67.2

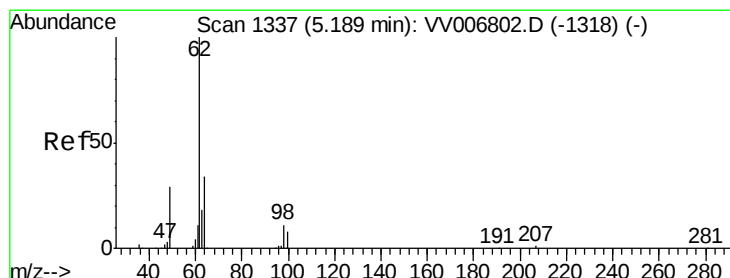
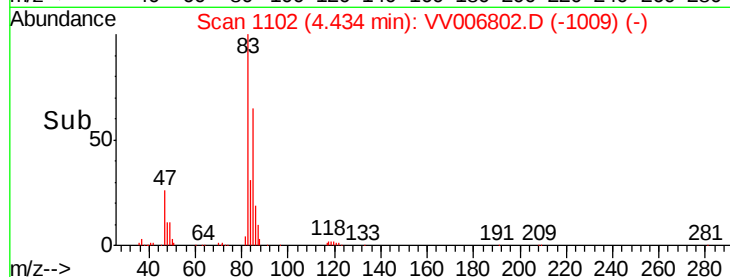
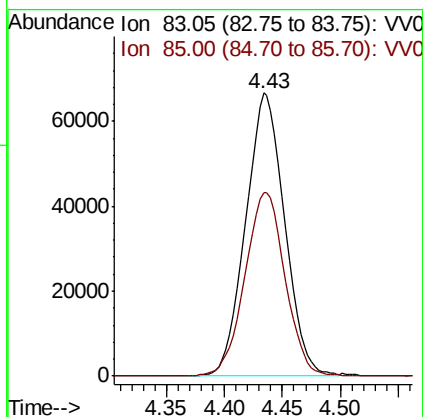
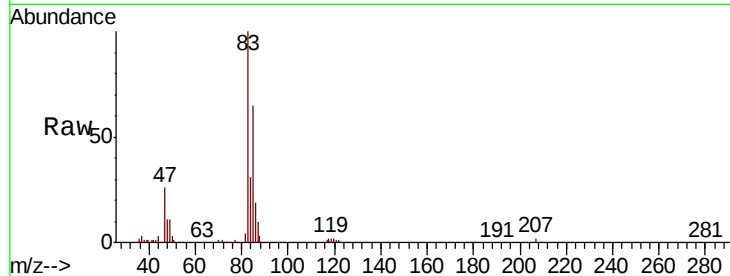




#25
Chloroform
Concen: 4.854 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006802.D
Acq: 02 Aug 2018 12:03

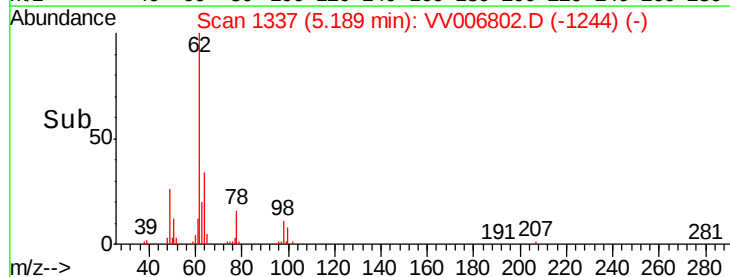
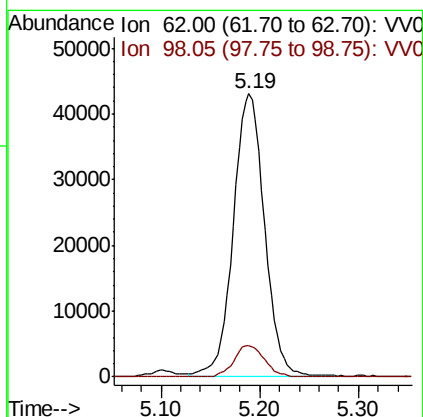
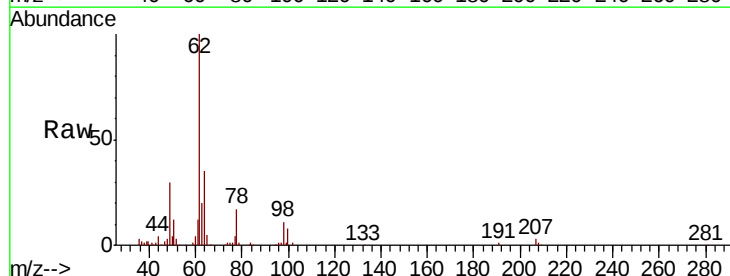
Instrument :
MSVOA_V
ClientSampleId :

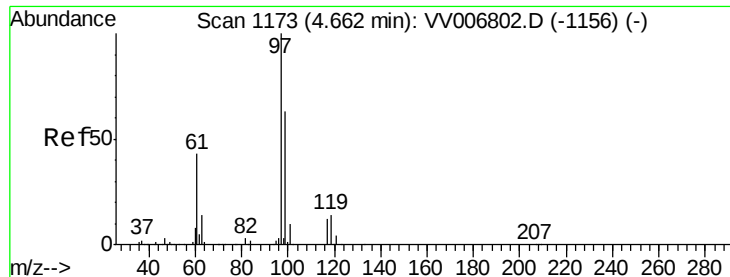
Tot Ion: 83 Resp: 155952
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.880 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006802.D
Acq: 02 Aug 2018 12:03

Tgt Ion: 62 Resp: 95370
Ion Ratio Lower Upper
62 100
98 11.0 8.8 13.2

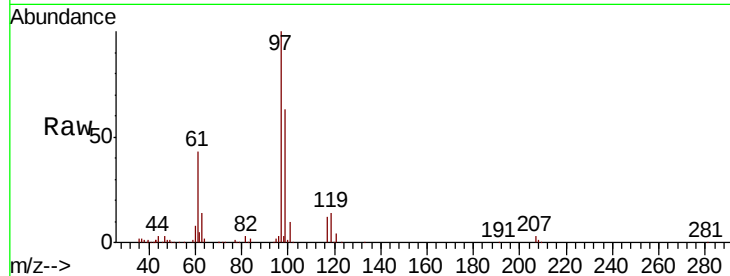




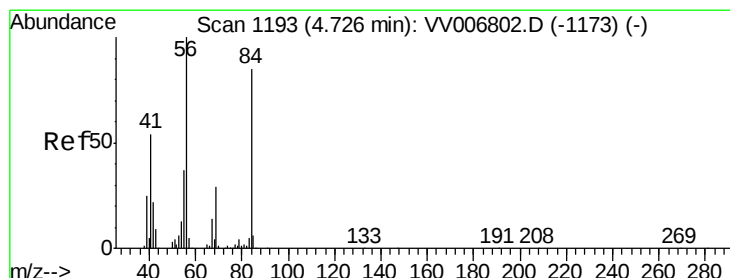
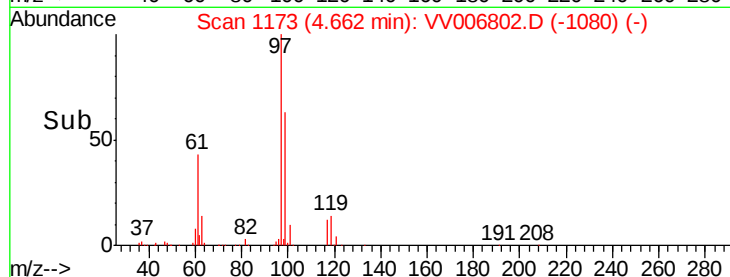
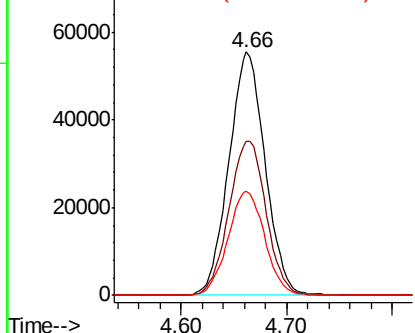
#29
 1,1,1-Trichloroethane
 Concen: 4.927 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006802.D
 Acq: 02 Aug 2018 12:03

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.8
61	43.5	34.8	52.2

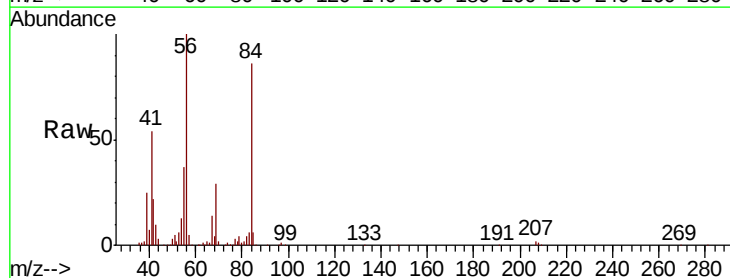


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

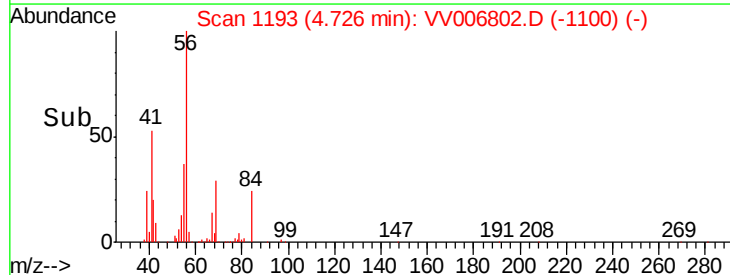
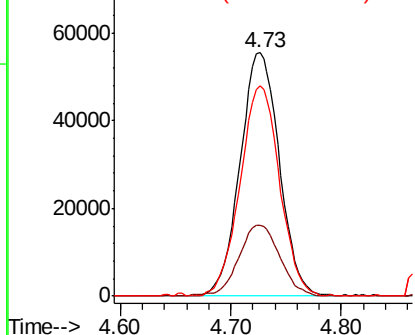


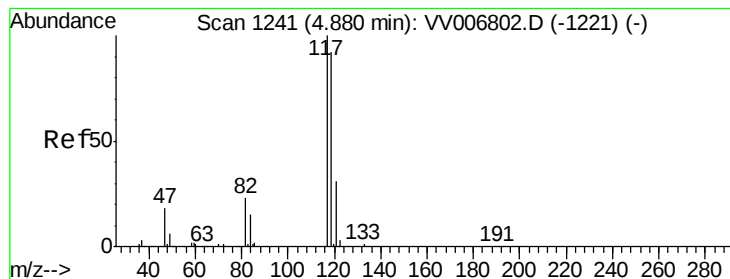
#30
 Cyclohexane
 Concen: 4.923 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV006802.D
 Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	86.8	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: 4.904 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_V

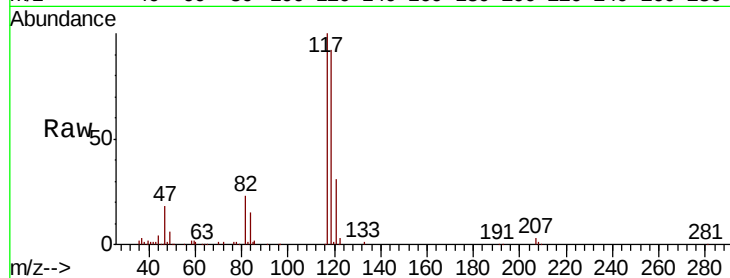
ClientSampled :

Tot Ion:117 Resp: 108514

Ion Ratio Lower Upper

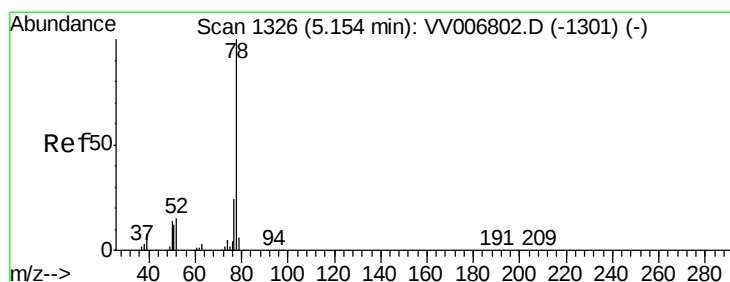
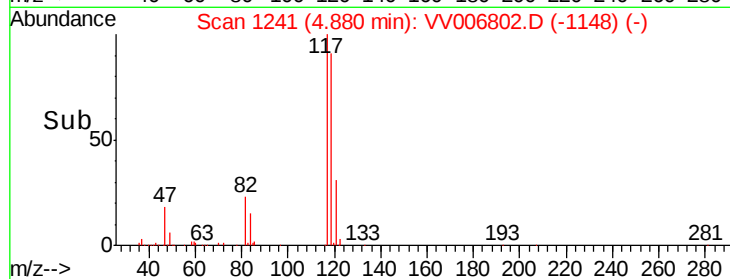
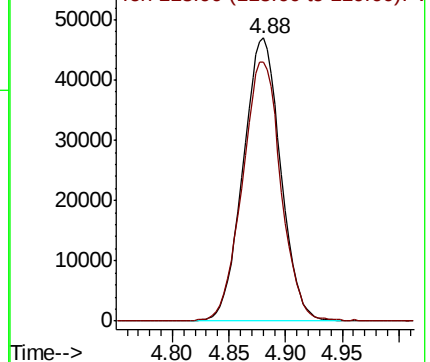
117 100

119 93.9 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: 4.899 ug/L

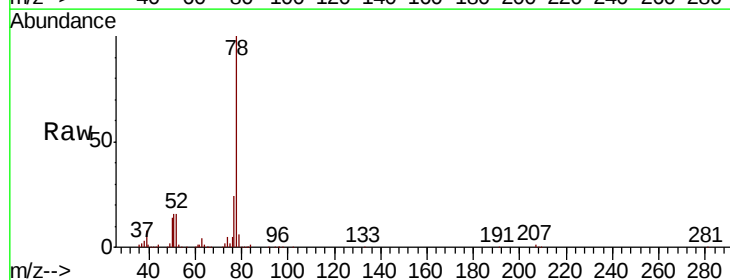
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

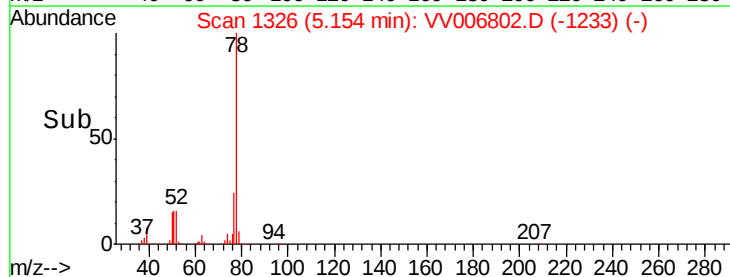
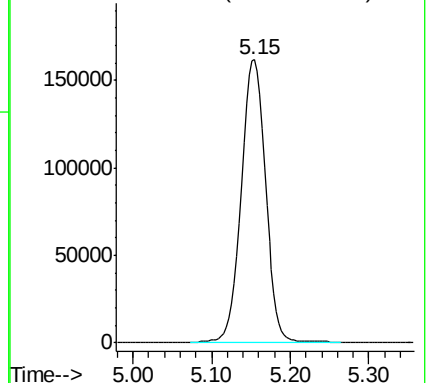
Lab File: VV006802.D

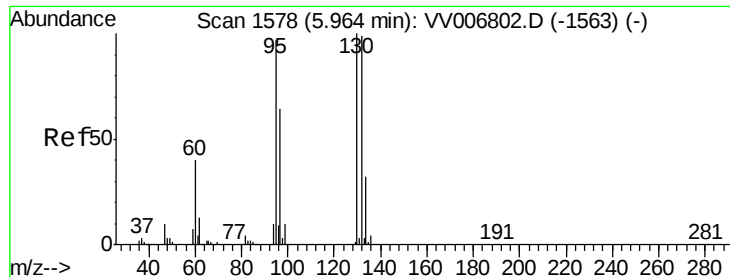
Acq: 02 Aug 2018 12:03

Tgt Ion: 78 Resp: 348980



Abundance Ion 78.10 (77.80 to 78.80): VV0

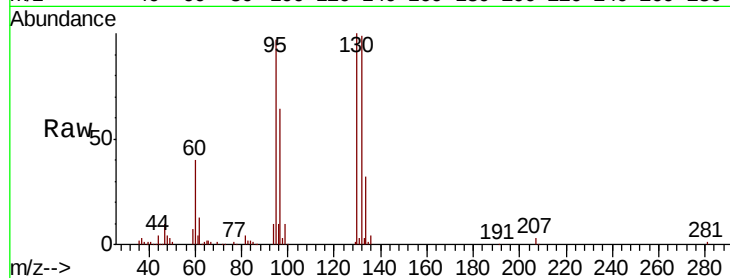




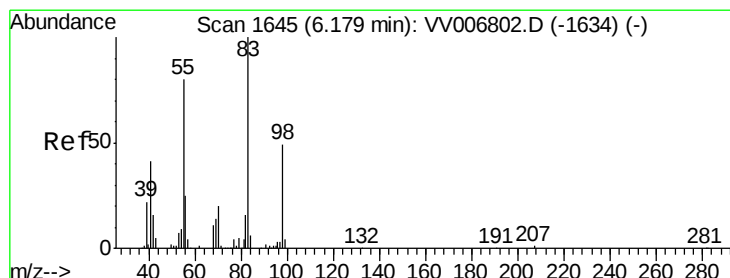
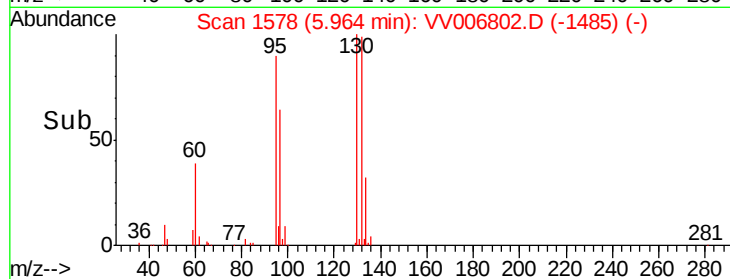
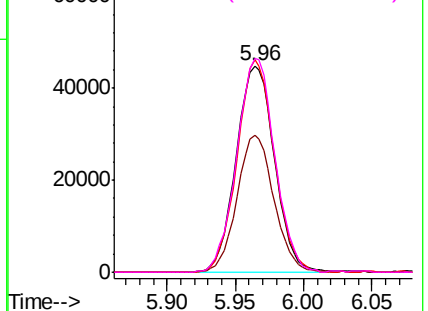
#34
 Trichloroethene
 Concen: 4.828 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006802.D
 Acq: 02 Aug 2018 12:03

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 87537
 Ion Ratio Lower Upper
 95 100
 97 66.2 46.3 86.1
 132 102.8 72.0 133.6
 130 103.4 72.4 134.4

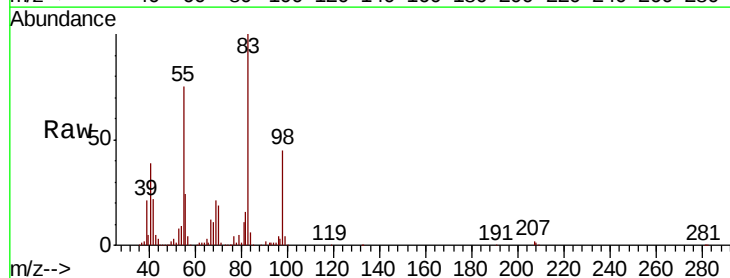


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

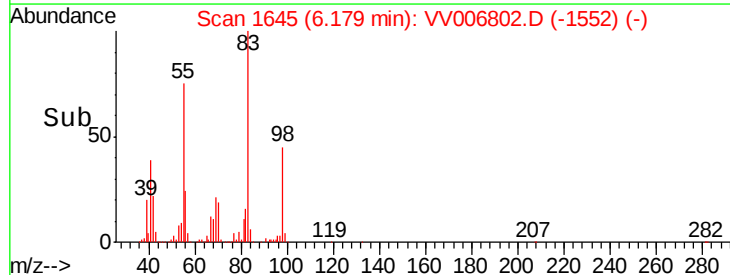
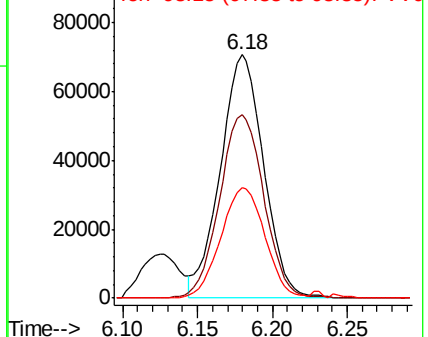


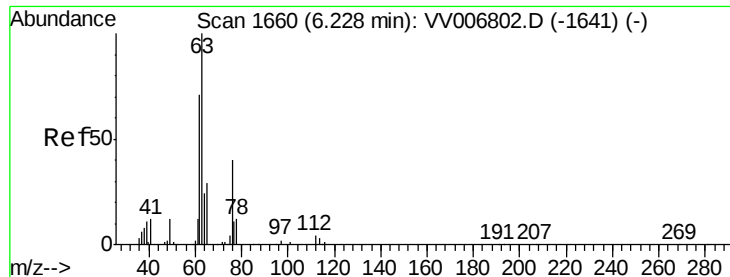
#35
 Methylcyclohexane
 Concen: 4.941 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV006802.D
 Acq: 02 Aug 2018 12:03

Tgt Ion: 83 Resp: 142237
 Ion Ratio Lower Upper
 83 100
 55 77.2 61.8 92.6
 98 46.5 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

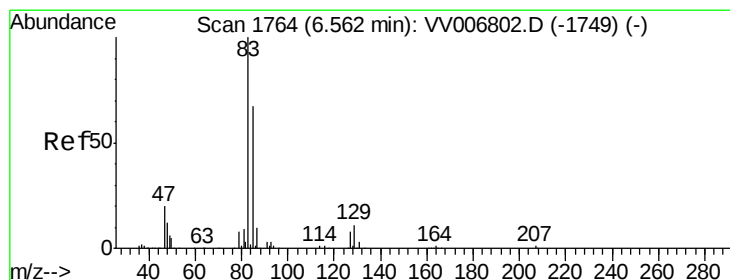
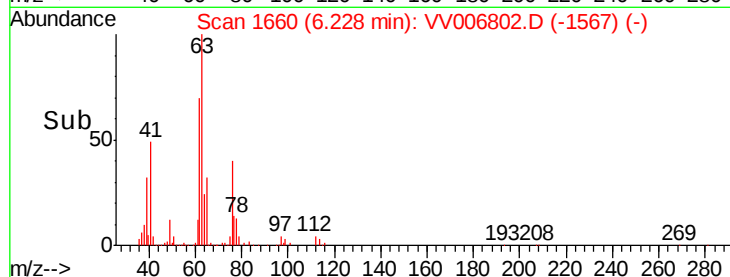
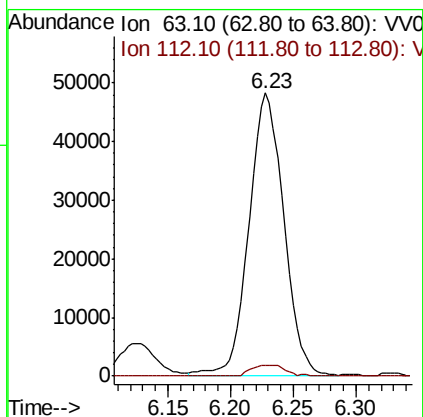
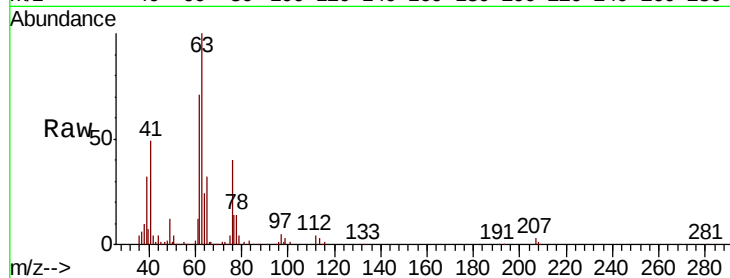




#37
 1,2-Dichloropropane
 Concen: 5.026 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006802.D
 Acq: 02 Aug 2018 12:03

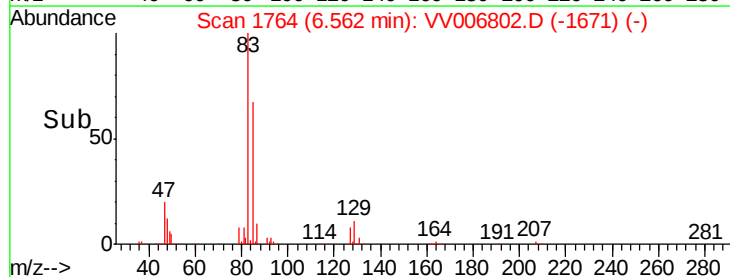
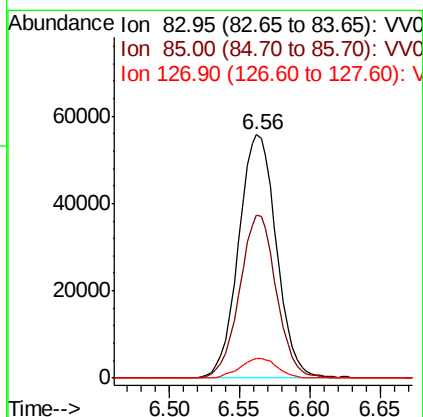
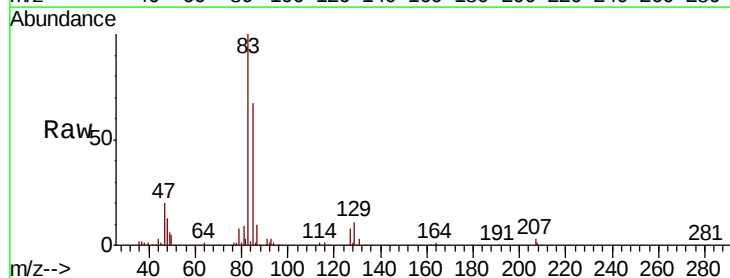
Instrument :
 MSVOA_V
 ClientSampled :

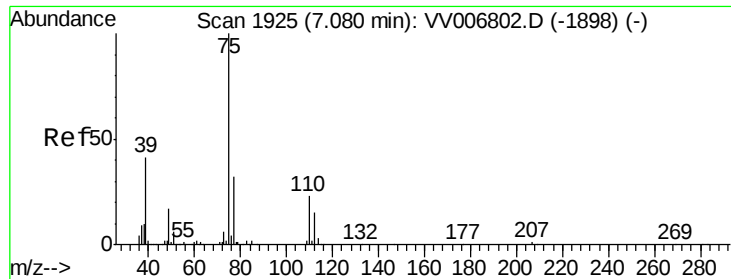
Tot Ion: 63 Resp: 93885
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#38
 Bromodichloromethane
 Concen: 4.926 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006802.D
 Acq: 02 Aug 2018 12:03

Tgt Ion: 83 Resp: 104722
 Ion Ratio Lower Upper
 83 100
 85 66.7 46.7 86.7
 127 8.0 6.4 9.6

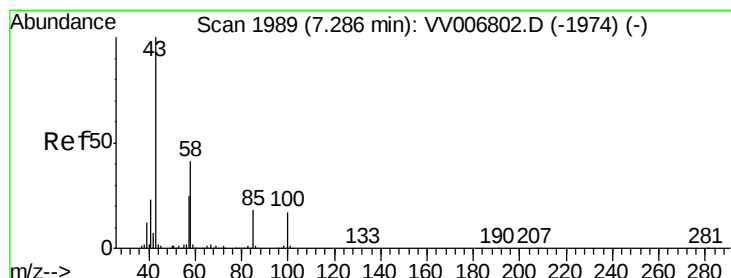
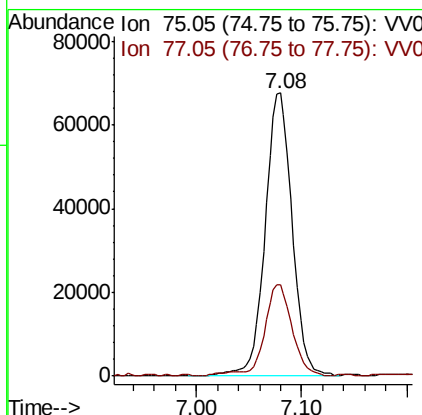
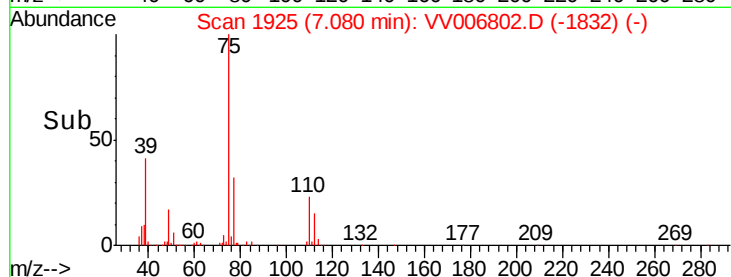
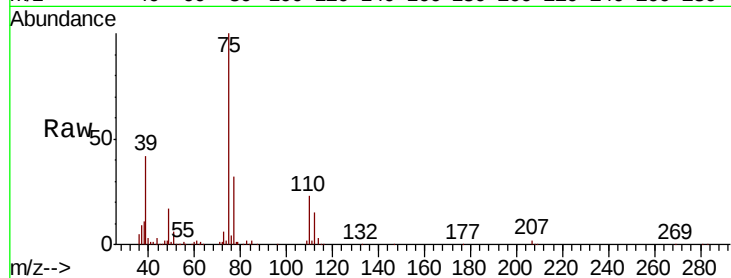




#39
 cis-1,3-Dichloropropene
 Concen: 4.992 ug/L
 RT: 7.08 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV006802.D
 Acq: 02 Aug 2018 12:03

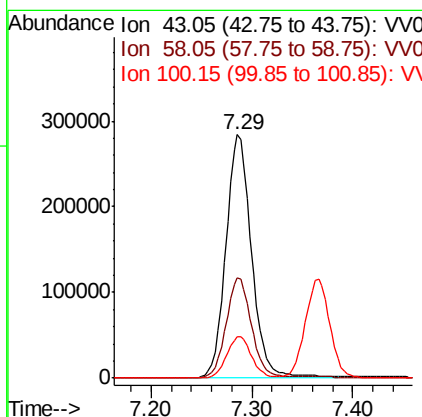
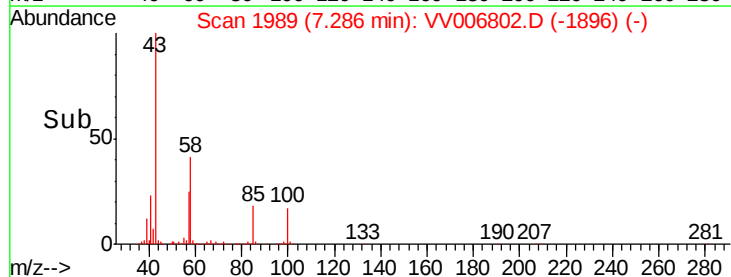
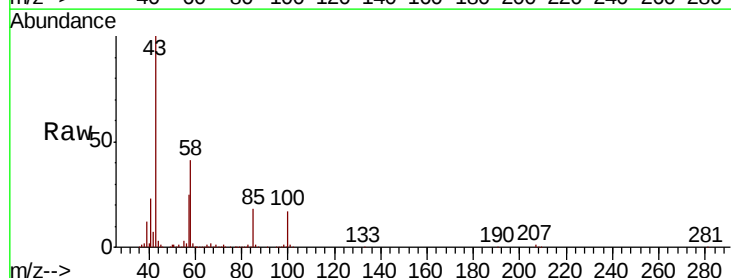
Instrument :
 MSVOA_V
 ClientSampleId :

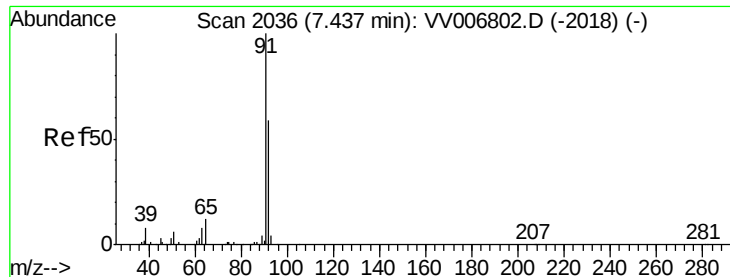
Tot Ion: 75 Resp: 120409
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 49.057 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV006802.D
 Acq: 02 Aug 2018 12:03

Tgt Ion: 43 Resp: 507116
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.6 48.8
 100 16.4 13.1 19.7





#42

Toluene

Concen: 4.954 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_V

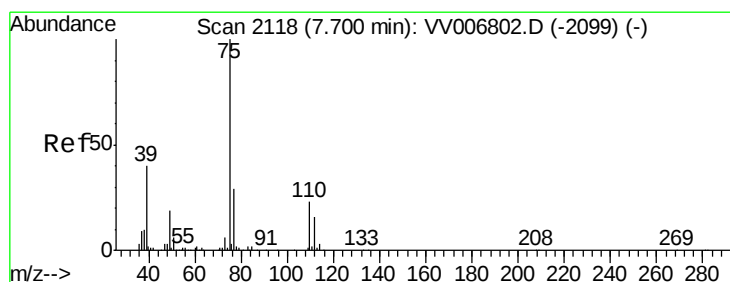
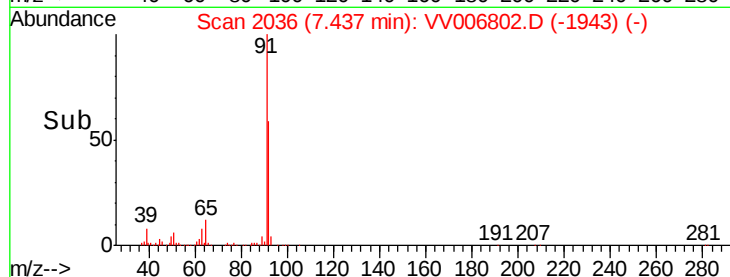
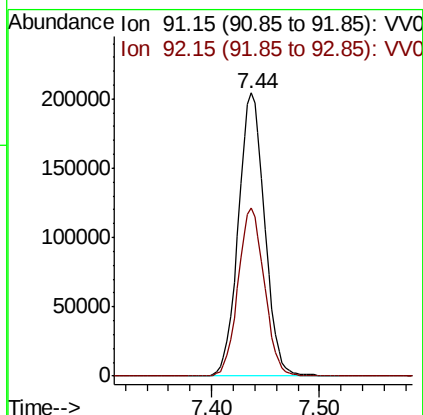
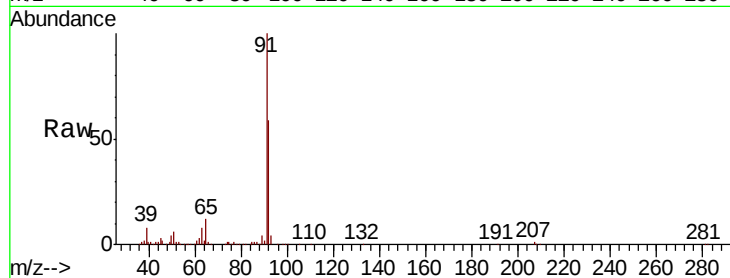
ClientSampleId :

Tot Ion: 91 Resp: 347170

Ion Ratio Lower Upper

91 100

92 59.2 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 4.861 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006802.D

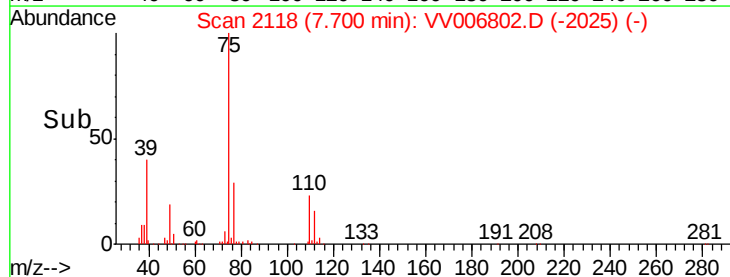
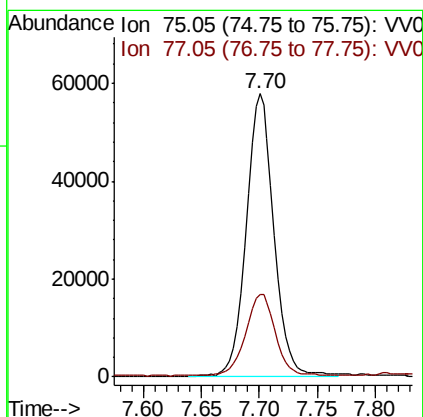
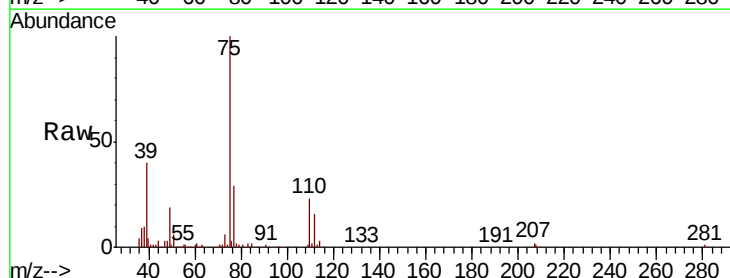
Acq: 02 Aug 2018 12:03

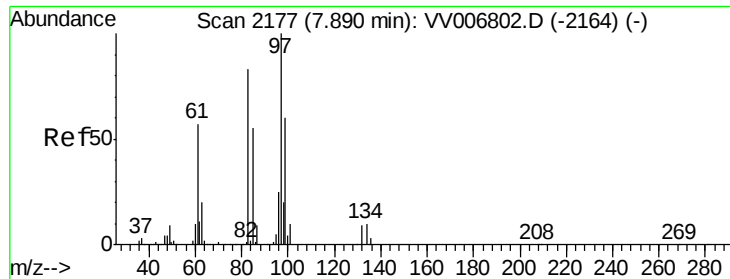
Tgt Ion: 75 Resp: 96532

Ion Ratio Lower Upper

75 100

77 29.3 20.5 38.1

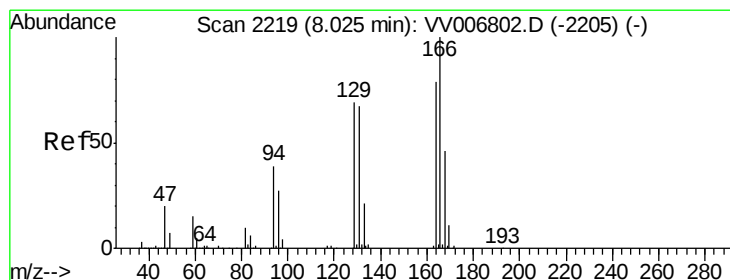
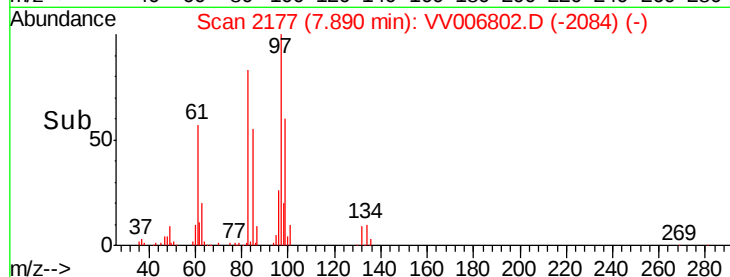
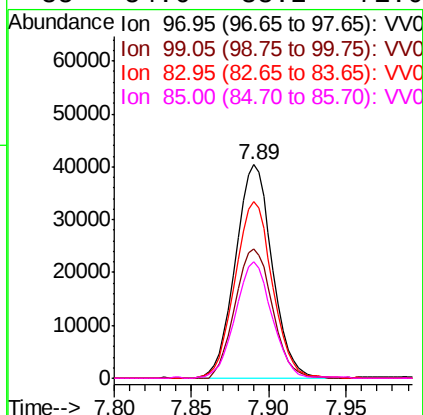
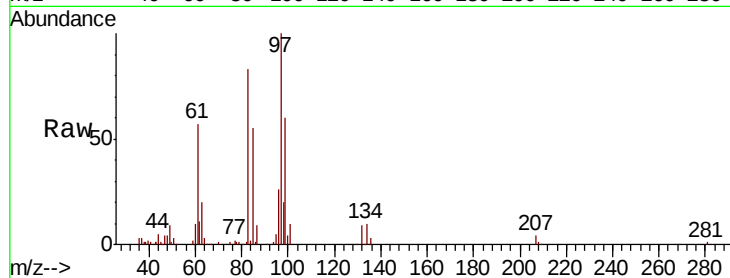




#45
 1,1,2-Trichloroethane
 Concen: 4.951 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006802.D
 Acq: 02 Aug 2018 12:03

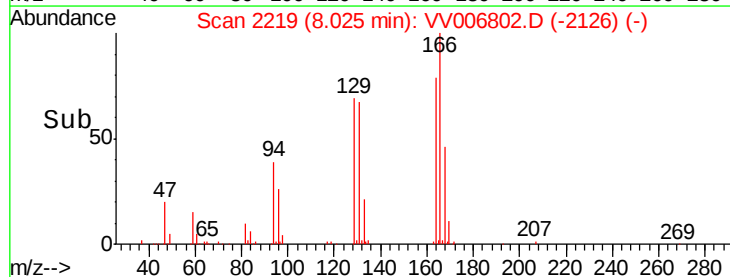
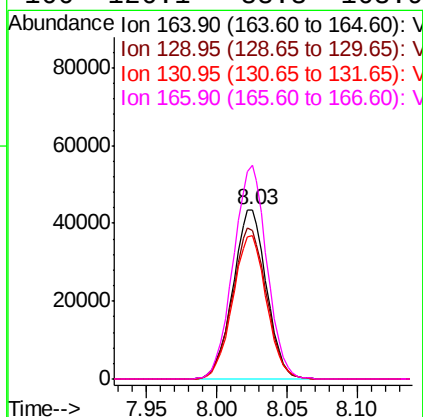
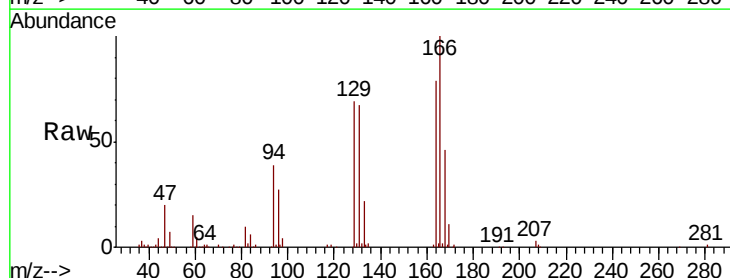
Instrument :
 MSVOA_V
 ClientSampleId :

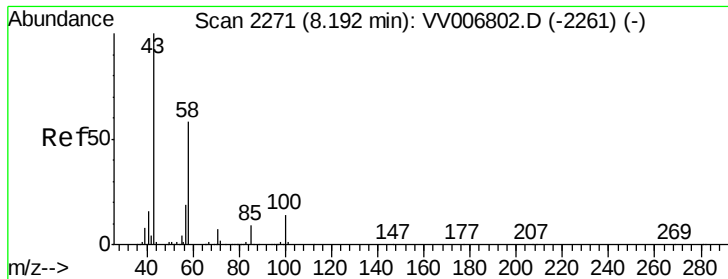
Tot Ion:	97	Resp:	66856
Ion	Ratio	Lower	Upper
97	100		
99	60.3	42.2	78.4
83	82.9	58.0	107.8
85	54.6	38.2	71.0



#47
 Tetrachloroethene
 Concen: 5.010 ug/L
 RT: 8.03 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VV006802.D
 Acq: 02 Aug 2018 12:03

Tgt Ion:	164	Resp:	72362
Ion	Ratio	Lower	Upper
164	100		
129	87.3	61.1	113.5
131	84.4	59.1	109.7
166	126.1	88.3	163.9

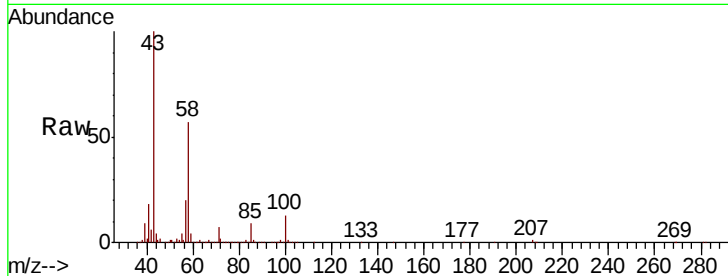




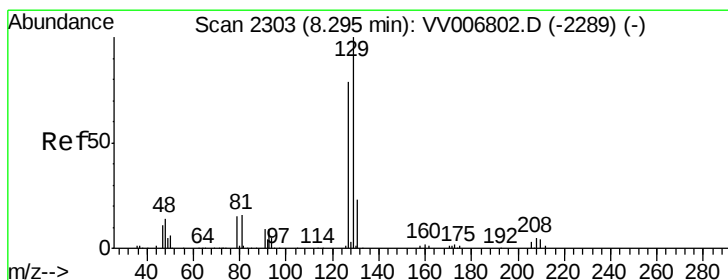
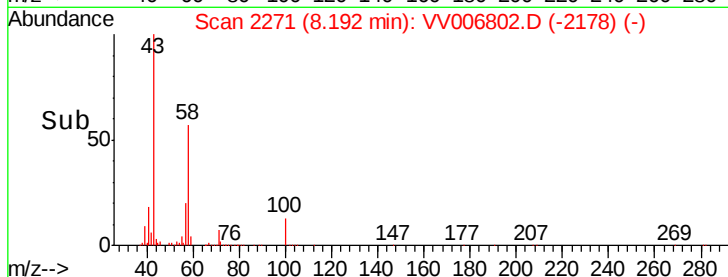
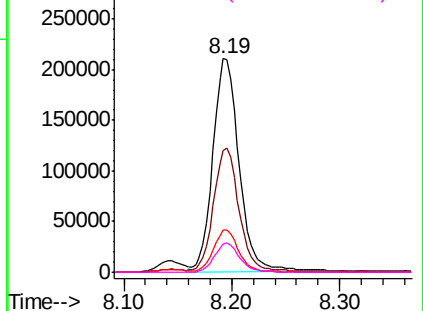
#48
2-Hexanone
Concen: 50.407 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006802.D
Acq: 02 Aug 2018 12:03

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	353562
Ion	Ratio	Lower	Upper
43	100		
58	56.7	45.4	68.0
57	19.3	15.4	23.2
100	13.3	10.6	16.0

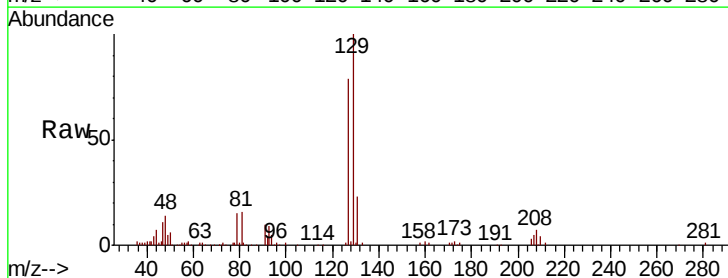


Abundance Ion 43.05 (42.75 to 43.75): VV006802.D (-2261) (-)
Ion 58.05 (57.75 to 58.75): VV006802.D (-2261) (-)
Ion 57.20 (56.90 to 57.90): VV006802.D (-2261) (-)
Ion 100.15 (99.85 to 100.85): VV006802.D (-2261) (-)

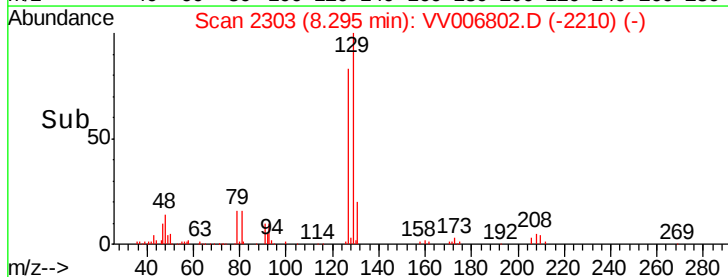
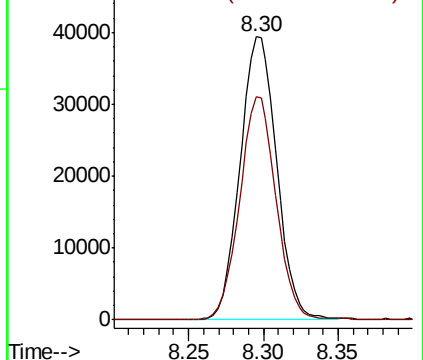


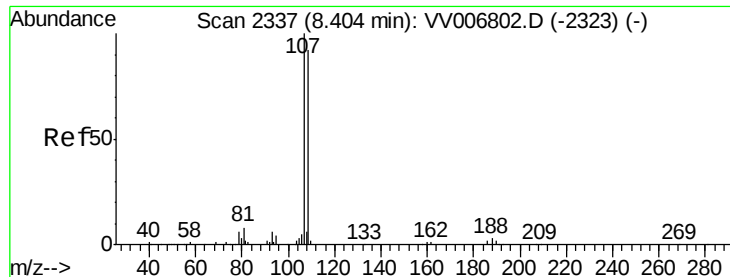
#49
Dibromochloromethane
Concen: 4.932 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006802.D
Acq: 02 Aug 2018 12:03

Tgt Ion:	129	Resp:	67327
Ion	Ratio	Lower	Upper
129	100		
127	78.8	55.2	102.4



Abundance Ion 128.95 (128.65 to 129.65): VV006802.D (-2289) (-)
Ion 126.90 (126.60 to 127.60): VV006802.D (-2289) (-)

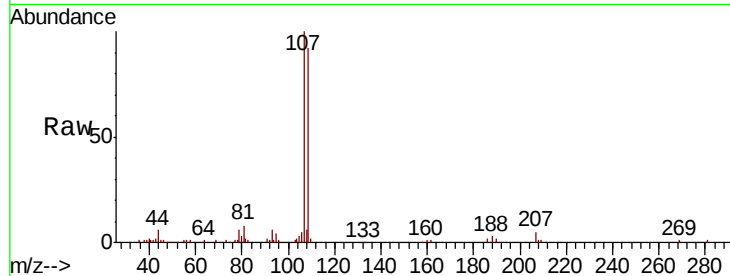




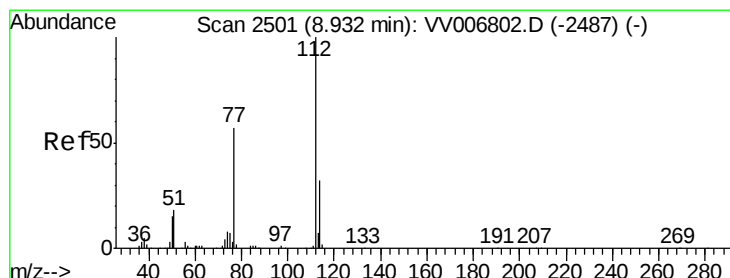
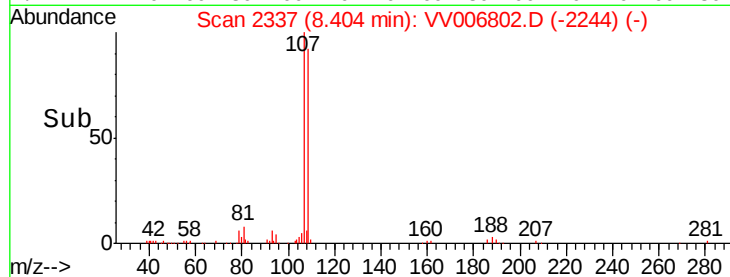
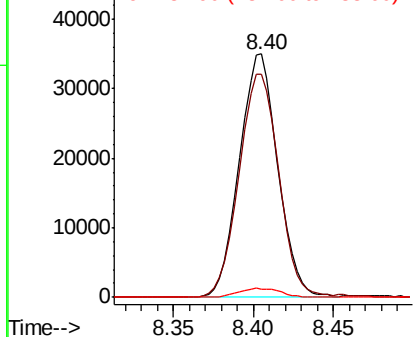
#50
 1,2-Dibromoethane
 Concen: 4.988 ug/L
 RT: 8.40 min Scan# 2337
 Delta R.T. 0.00 min
 Lab File: VV006802.D
 Acq: 02 Aug 2018 12:03

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.5	64.0	119.0
188	3.5	2.8	4.2

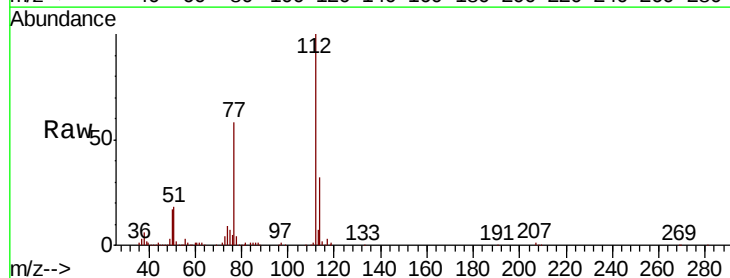


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

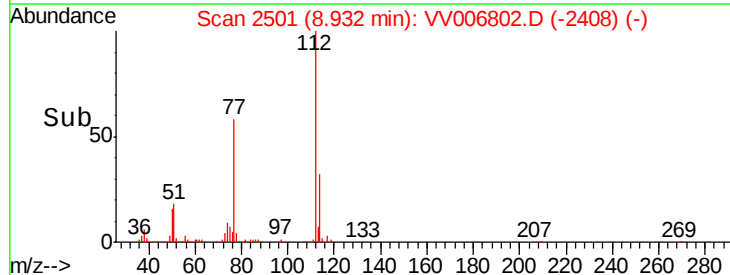
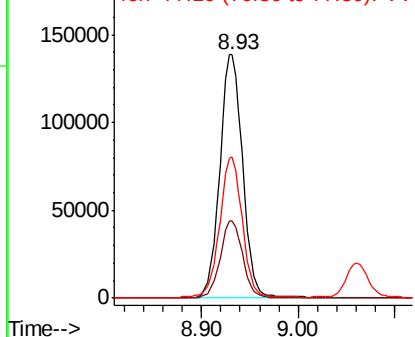


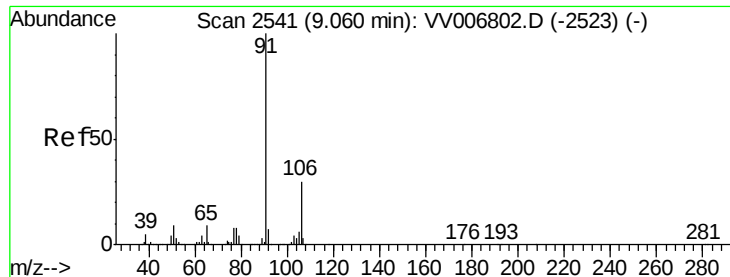
#51
 Chlorobenzene
 Concen: 5.028 ug/L
 RT: 8.93 min Scan# 2501
 Delta R.T. 0.00 min
 Lab File: VV006802.D
 Acq: 02 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.5
77	57.9	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: 4.886 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

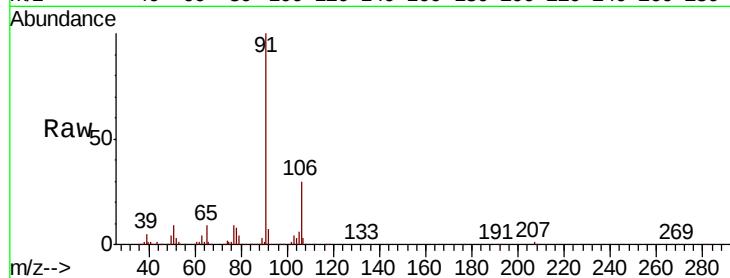
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 357653

Ion Ratio Lower Upper

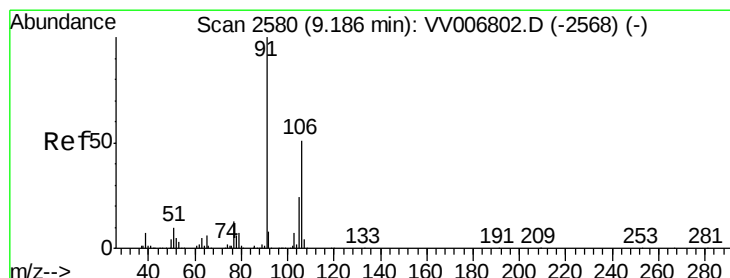
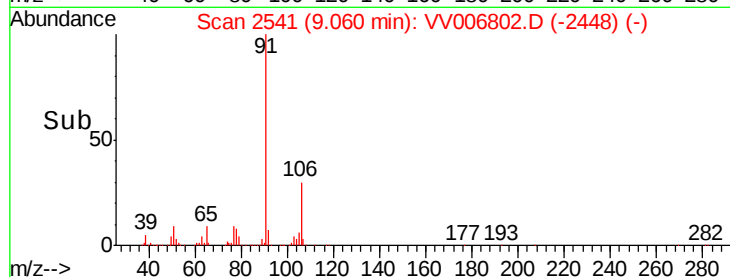
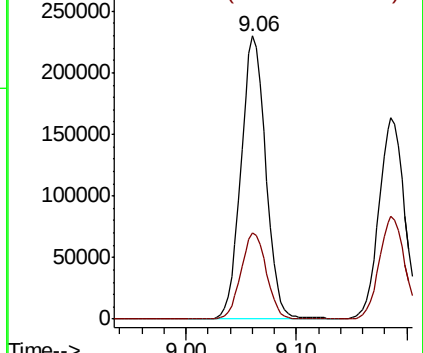
91 100

106 30.5 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 4.941 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006802.D

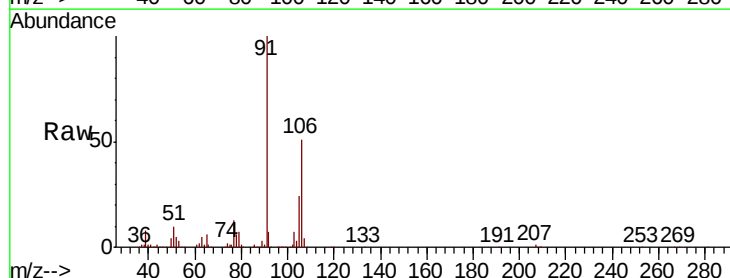
Acq: 02 Aug 2018 12:03

Tgt Ion: 106 Resp: 134272

Ion Ratio Lower Upper

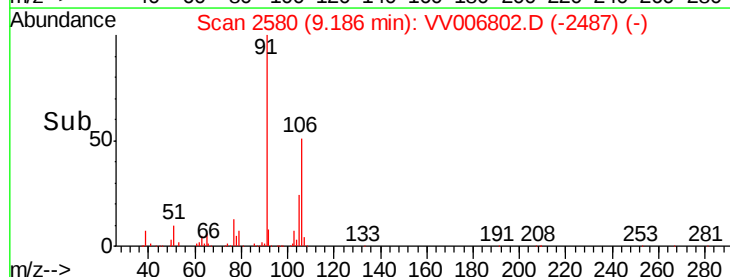
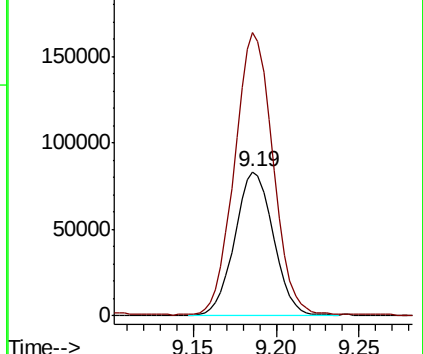
106 100

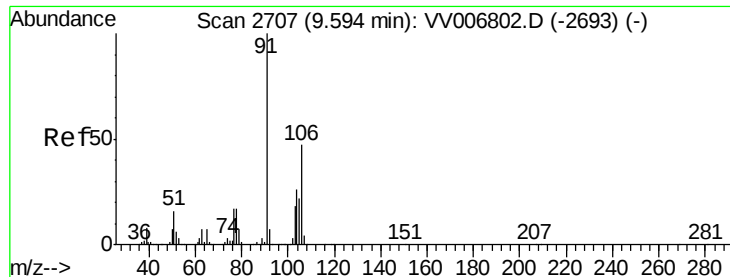
91 196.3 137.4 255.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#54

o-xylene

Concen: 4.761 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_V

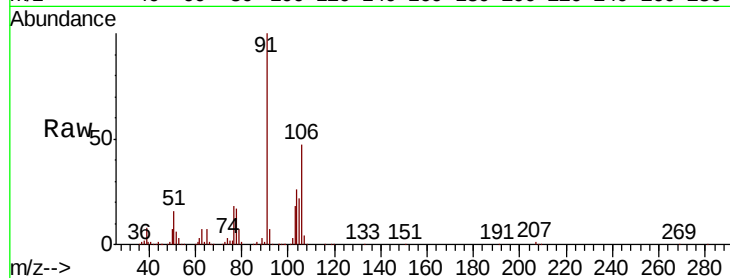
ClientSampleId :

Tot Ion:106 Resp: 130550

Ion Ratio Lower Upper

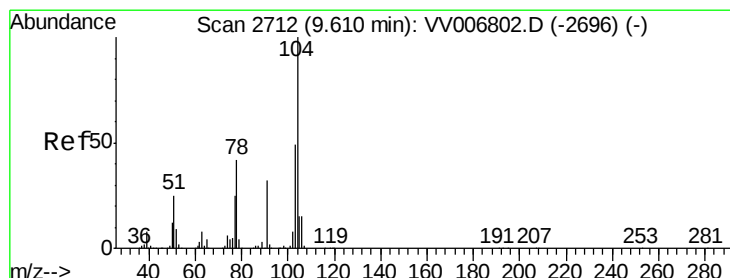
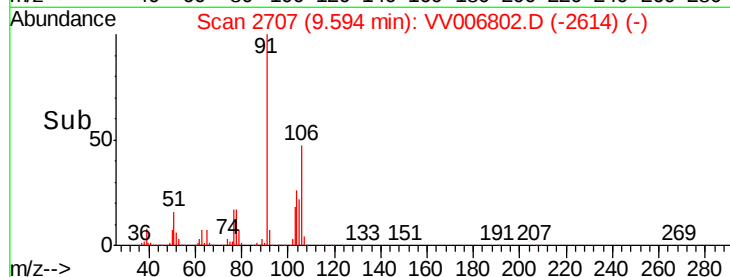
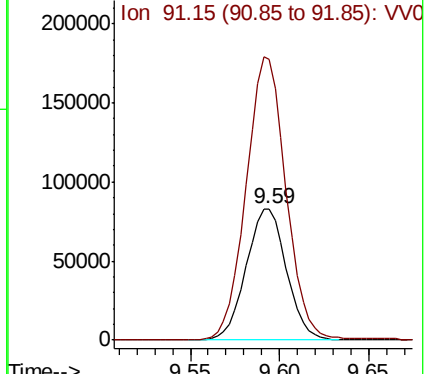
106 100

91 214.5 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.835 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006802.D

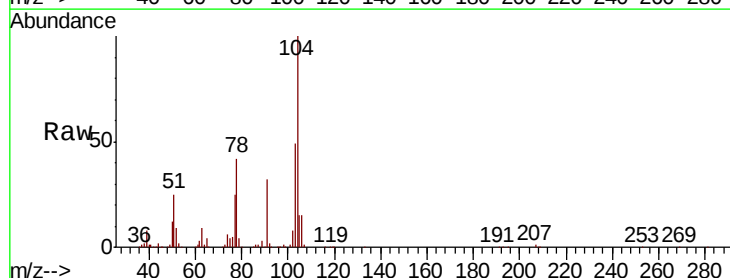
Acq: 02 Aug 2018 12:03

Tgt Ion:104 Resp: 208327

Ion Ratio Lower Upper

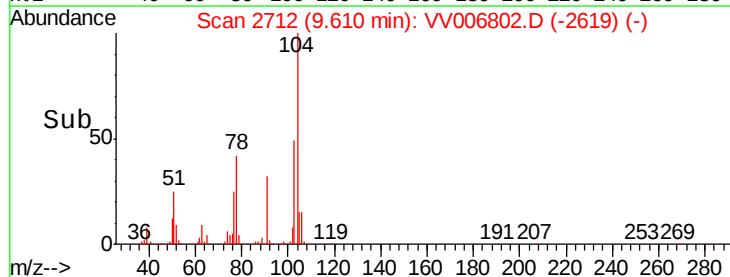
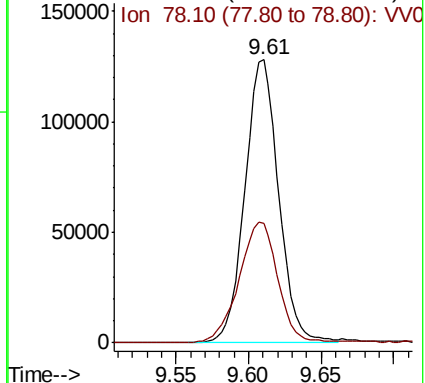
104 100

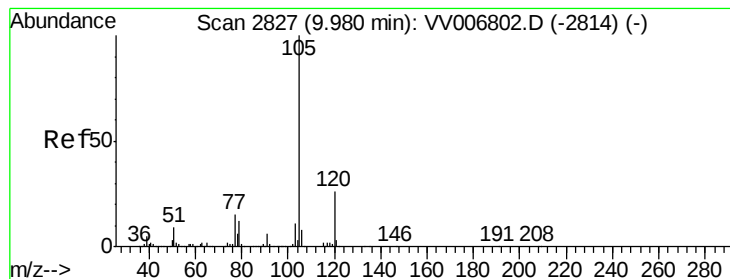
78 42.3 29.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.935 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_V

ClientSampled :

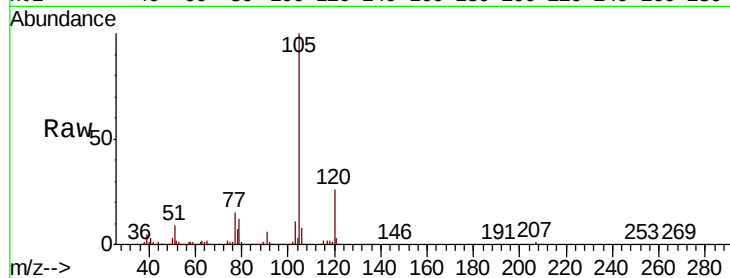
Tot Ion:105 Resp: 344266

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

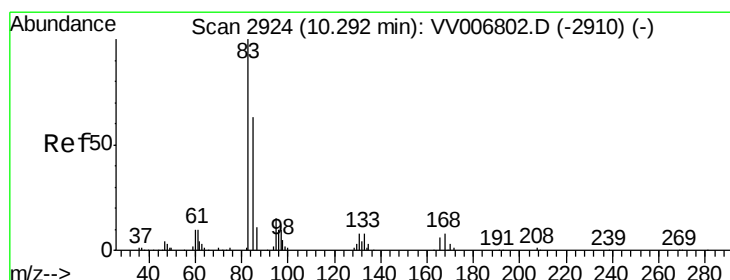
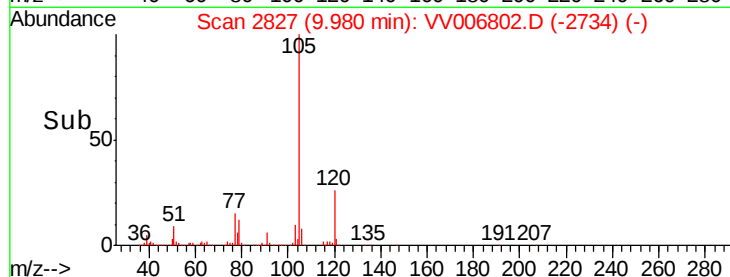
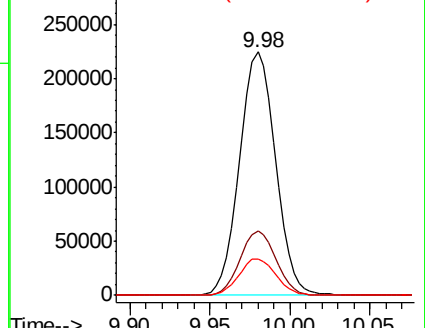
77 15.0 12.0 18.0



Abundance Ion 105.05 (104.75 to 105.75): VV006802.D (-2814) (-)

Ion 120.10 (119.80 to 120.80): VV006802.D (-2814) (-)

Ion 77.10 (76.80 to 77.80): VV006802.D (-2814) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 4.876 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

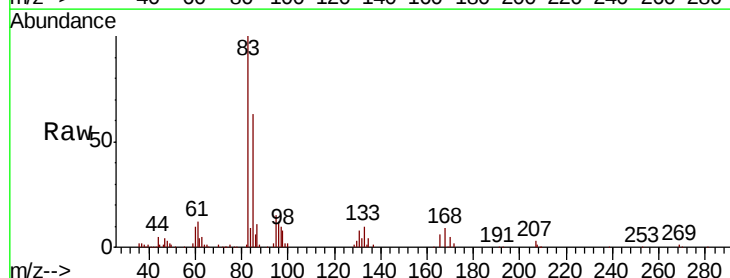
Tgt Ion: 83 Resp: 79698

Ion Ratio Lower Upper

83 100

85 63.0 44.1 81.9

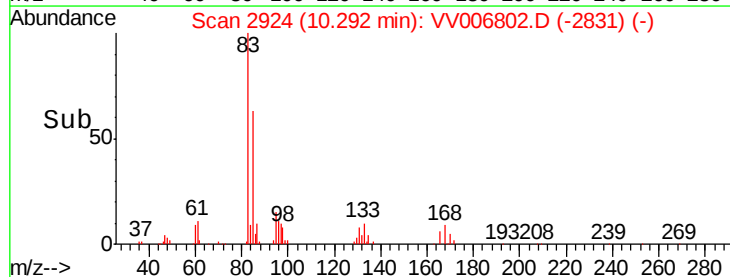
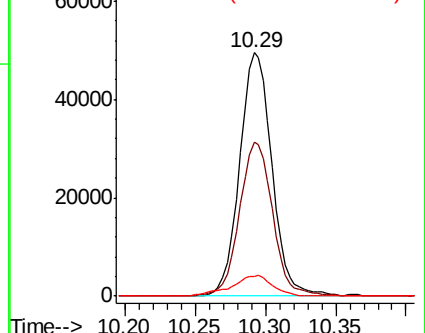
131 8.2 6.6 9.8

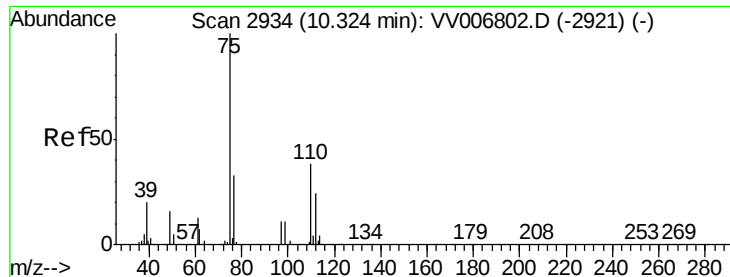


Abundance Ion 82.95 (82.65 to 83.65): VV006802.D (-2910) (-)

Ion 85.00 (84.70 to 85.70): VV006802.D (-2910) (-)

Ion 130.95 (130.65 to 131.65): VV006802.D (-2910) (-)





#59

1,2,3-Trichloropropane

Concen: 4.962 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_V

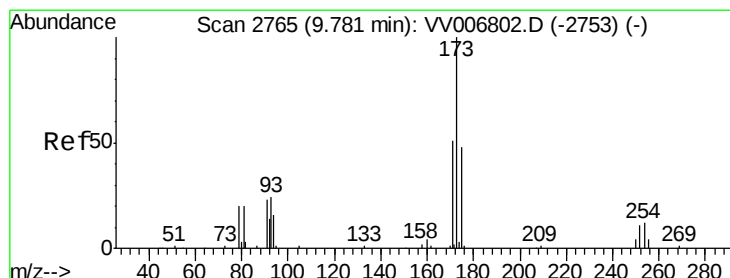
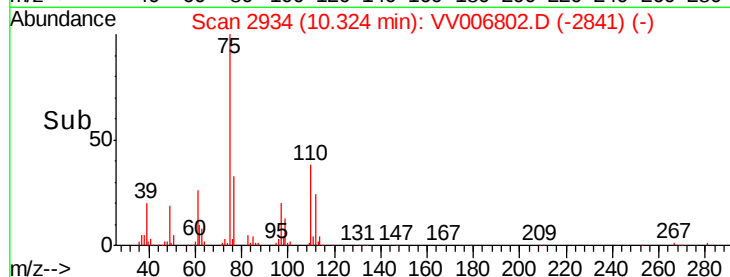
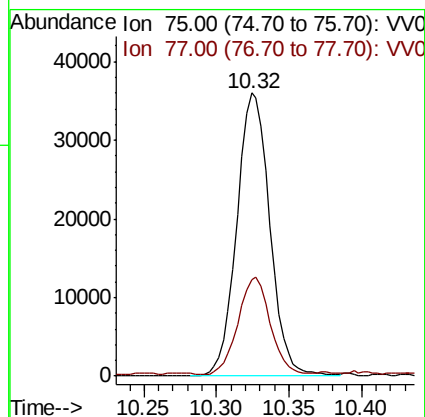
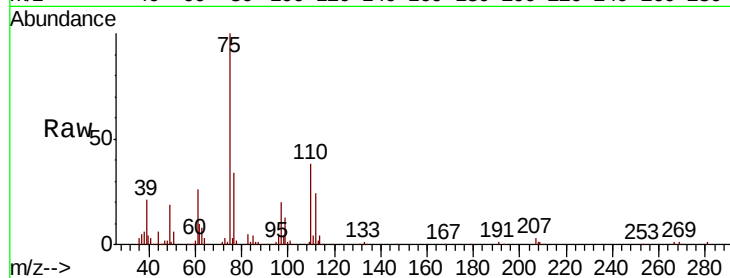
ClientSampleId :

Tot Ion: 75 Resp: 56997

Ion Ratio Lower Upper

75 100

77 33.5 26.8 40.2



#61

Bromoform

Concen: 5.060 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

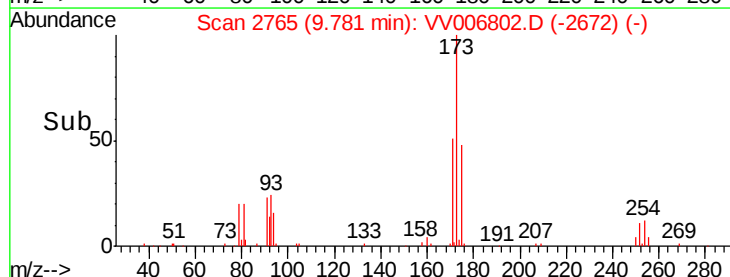
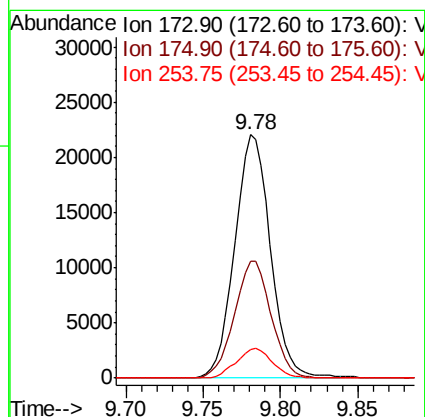
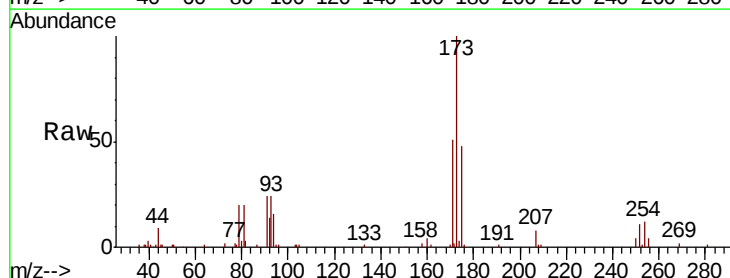
Tgt Ion: 173 Resp: 35281

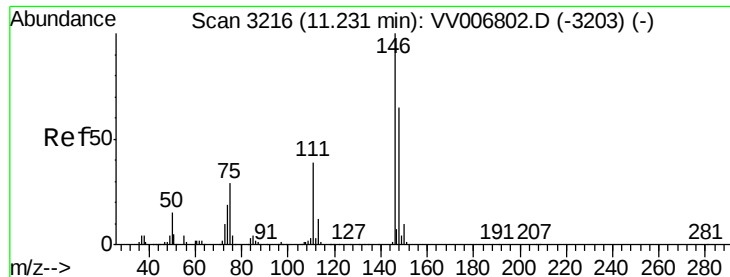
Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

254 12.1 9.7 14.5





#62

1,3-Dichlorobenzene

Concen: 4.919 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_V

ClientSampleId :

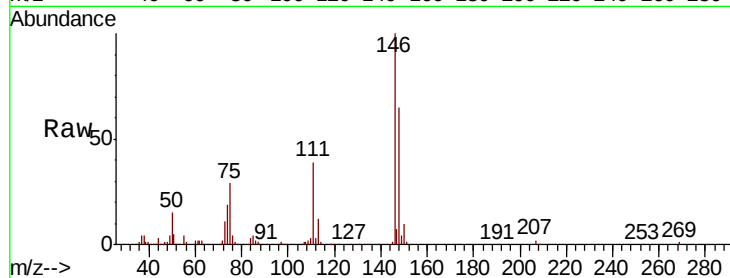
Tot Ion:146 Resp: 159195

Ion Ratio Lower Upper

146 100

111 39.0 27.3 50.7

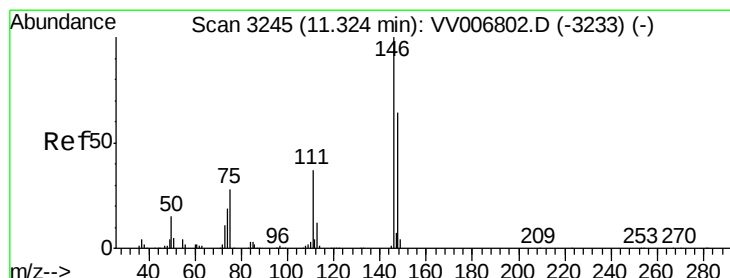
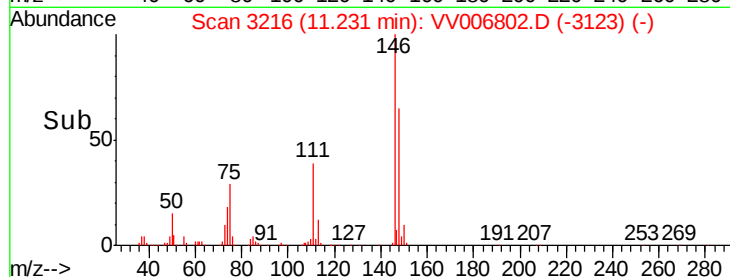
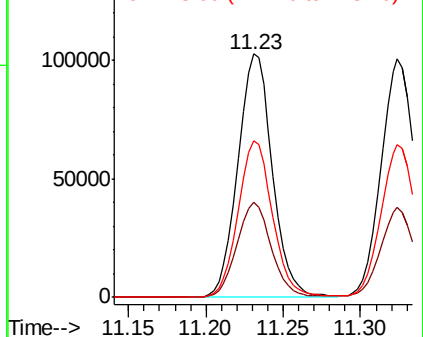
148 64.5 45.1 83.9



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: 4.920 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

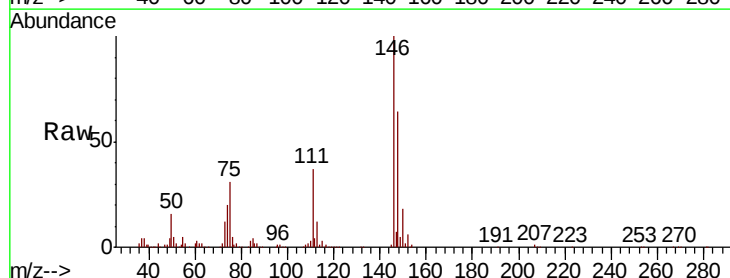
Tgt Ion:146 Resp: 157516

Ion Ratio Lower Upper

146 100

111 37.5 26.2 48.8

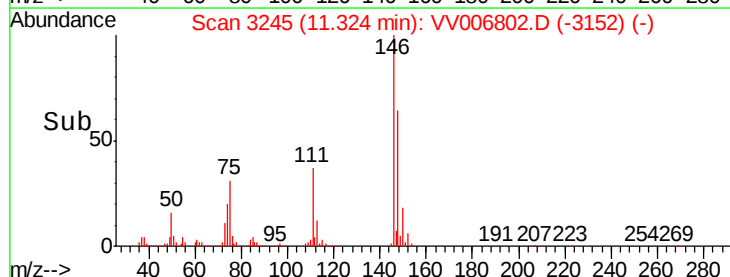
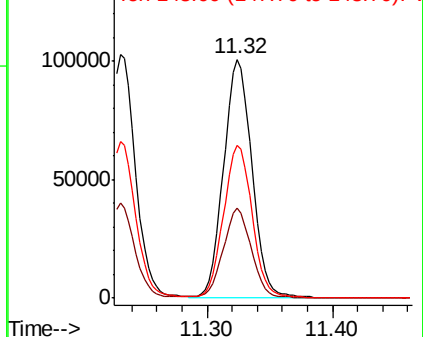
148 64.1 44.9 83.3

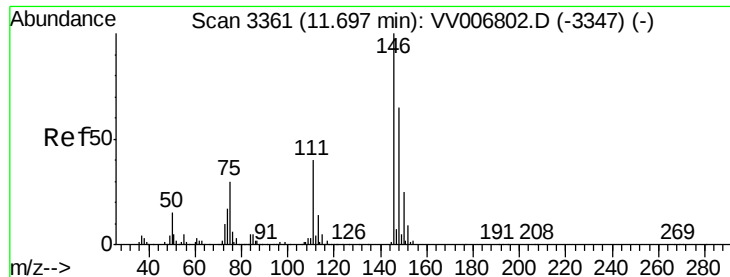


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.006 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_V

ClientSampleId :

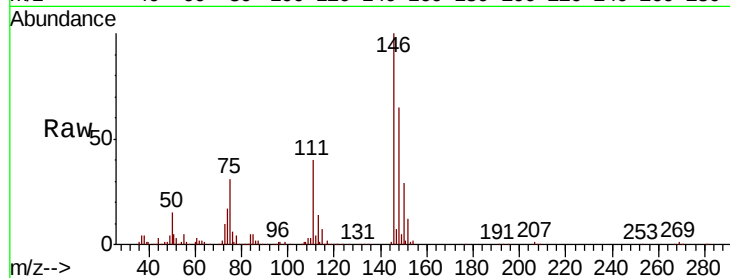
Tot Ion:146 Resp: 158980

Ion Ratio Lower Upper

146 100

111 39.7 31.8 47.6

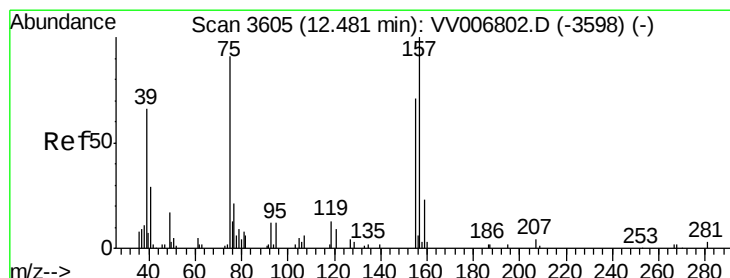
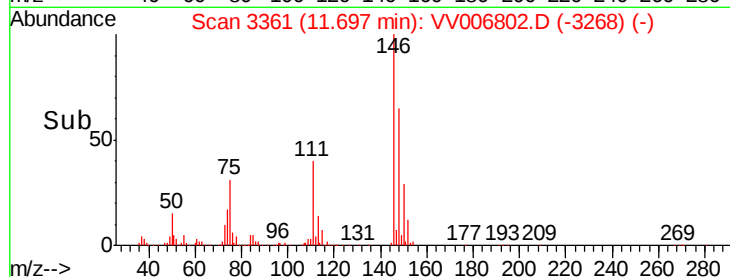
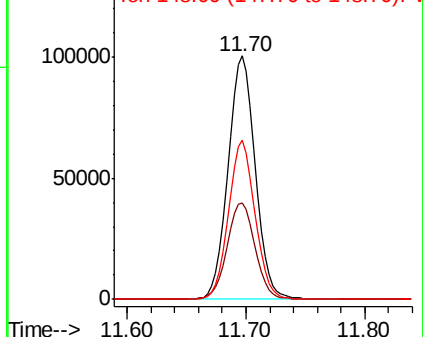
148 65.4 52.3 78.5



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: 4.751 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

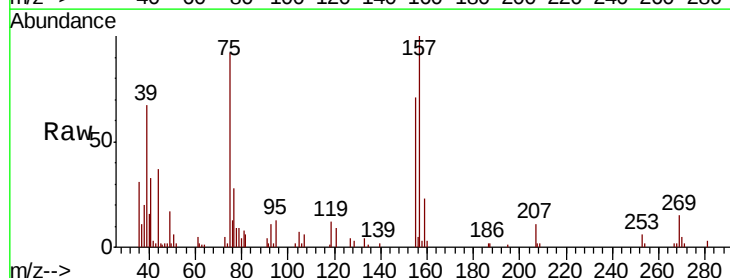
Tgt Ion: 75 Resp: 10491

Ion Ratio Lower Upper

75 100

155 77.3 61.8 92.8

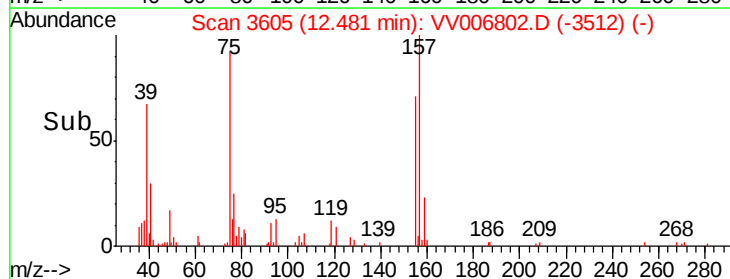
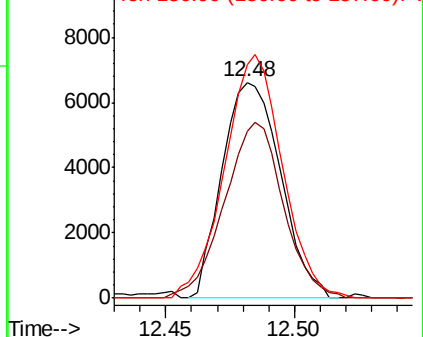
157 108.2 86.6 129.8

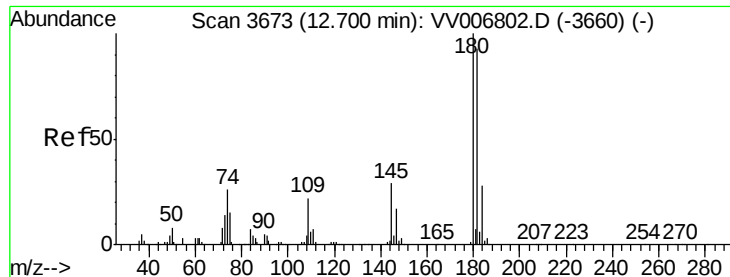


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

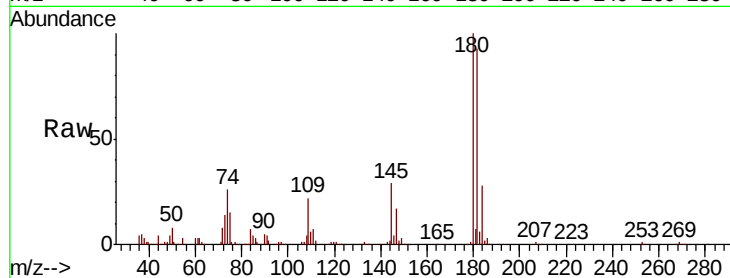




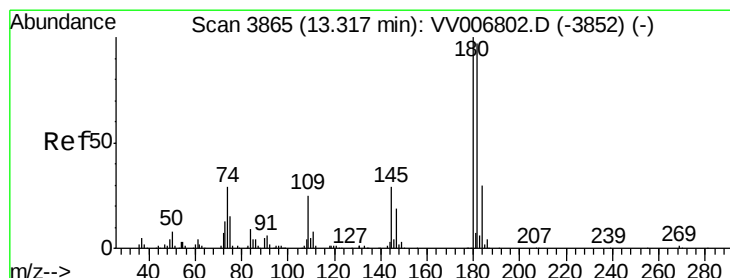
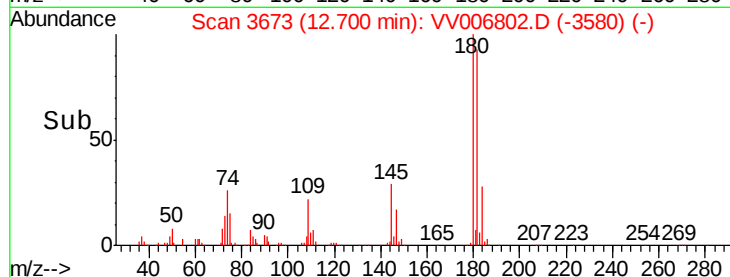
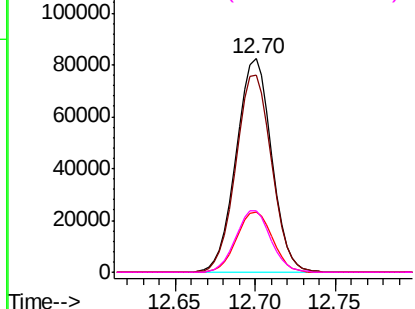
#67
 1,3,5-Trichlorobenzene
 Concen: 4.975 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006802.D
 Acq: 02 Aug 2018 12:03

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	123844
Ion Ratio	Lower	Upper
180	100	
182	93.3	74.6 112.0
184	28.4	22.7 34.1
145	28.6	22.9 34.3

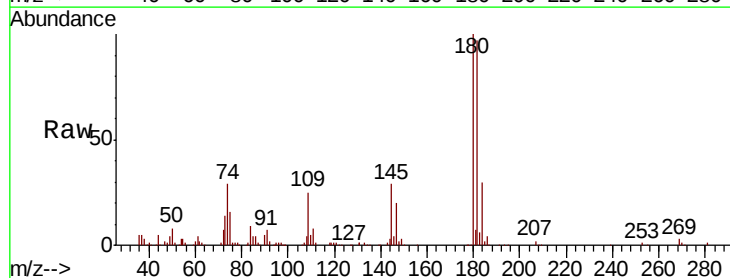


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

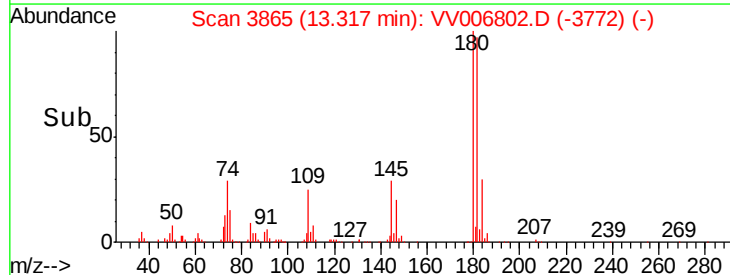
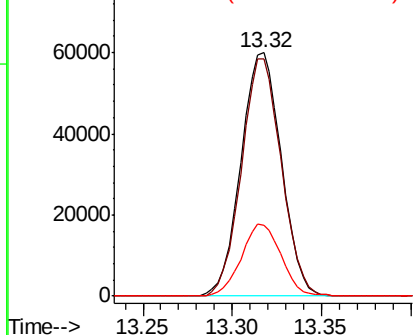


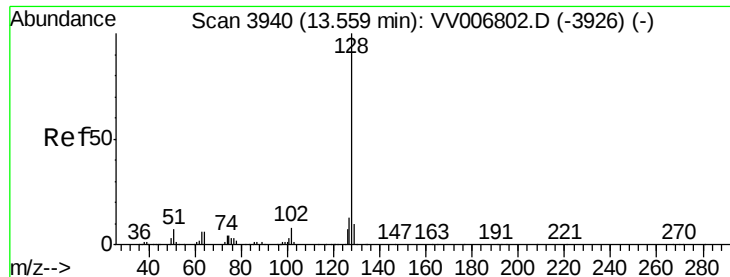
#68
 1,2,4-trichlorobenzene
 Concen: 4.911 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006802.D
 Acq: 02 Aug 2018 12:03

Tgt Ion:180	Resp:	94948
Ion Ratio	Lower	Upper
180	100	
182	96.3	77.0 115.6
145	29.3	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: 4.898 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

Instrument :

MSVOA_V

ClientSampled :

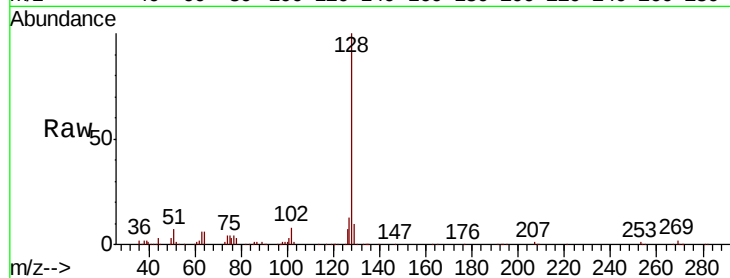
Tot Ion:128 Resp: 165075

Ion Ratio Lower Upper

128 100

129 10.3 8.2 12.4

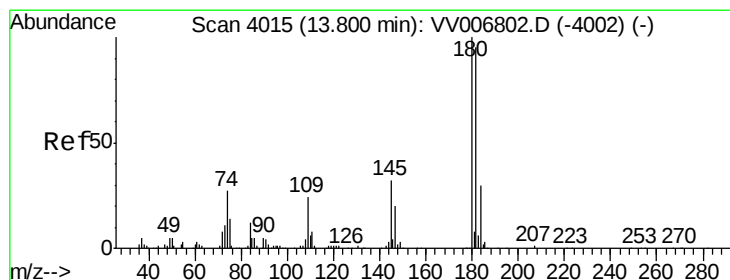
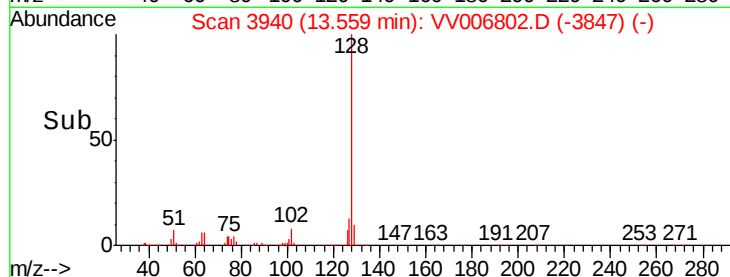
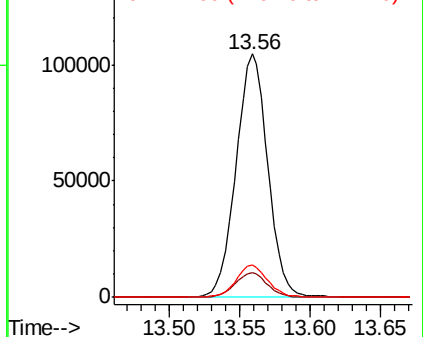
127 13.4 10.7 16.1



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: 4.946 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006802.D

Acq: 02 Aug 2018 12:03

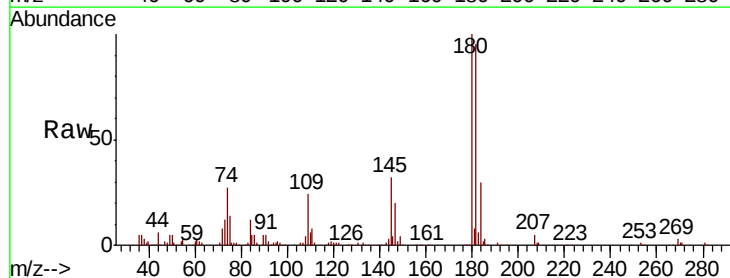
Tgt Ion:180 Resp: 92313

Ion Ratio Lower Upper

180 100

182 97.5 78.0 117.0

145 31.7 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

