

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041119\
 Data File : VW009965.D
 Acq On : 12 Apr 2019 19:17
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 13 01:37:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 23:54:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	534890	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	509865	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	266320	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	167742	23.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.88%
7) Chloroethane-d5	2.89	69	145286	22.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.64%
10) 1,1-Dichloroethene-d2	4.02	63	397378	26.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.60%
20) 2-Butanone-d5	7.08	46	148523	65.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.70%
24) Chloroform-d	7.64	84	391906	26.85	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.40%
26) 1,2-Dichloroethane-d4	8.30	65	240298	26.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.28%
29) Benzene-d6	8.27	84	741796	27.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.84%
33) 1,2-Dichloropropane-d6	9.27	67	225489	27.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.12%
37) Toluene-d8	10.32	98	669547	27.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.24%
38) trans-1,3-Dichloropropene-	10.57	79	106788	27.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.32%
39) 2-Hexanone-d5	10.93	63	109830	70.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.98%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	225145	29.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	243852	26.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	149936	21.280	ug/L	95
3) Chloromethane	2.21	50	161507	22.180	ug/L	100
5) Vinyl chloride	2.37	62	189498	20.289	ug/L	94
6) Bromomethane	2.78	94	117938	18.248	ug/L	97
8) Chloroethane	2.92	64	123103	20.081	ug/L	98
9) Trichlorofluoromethane	3.26	101	118526	20.686	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	185632	24.908	ug/L #	42
12) 1,1-Dichloroethene	4.04	96	178002	25.055	ug/L	88
13) Acetone	4.12	43	126629	52.004	ug/L	97
14) Carbon disulfide	4.38	76	473680	21.450	ug/L	99
15) Methyl Acetate	4.67	43	125433	28.252	ug/L	96
16) Methylene chloride	4.92	84	203720	21.595	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	255929	26.150	ug/L	98
18) trans-1,2-Dichloroethene	5.41	96	179405	24.281	ug/L	98
19) 1,1-Dichloroethane	6.21	63	364339	25.695	ug/L	98
21) 2-Butanone	7.17	43	185275	59.827	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	198689	25.143	ug/L	99

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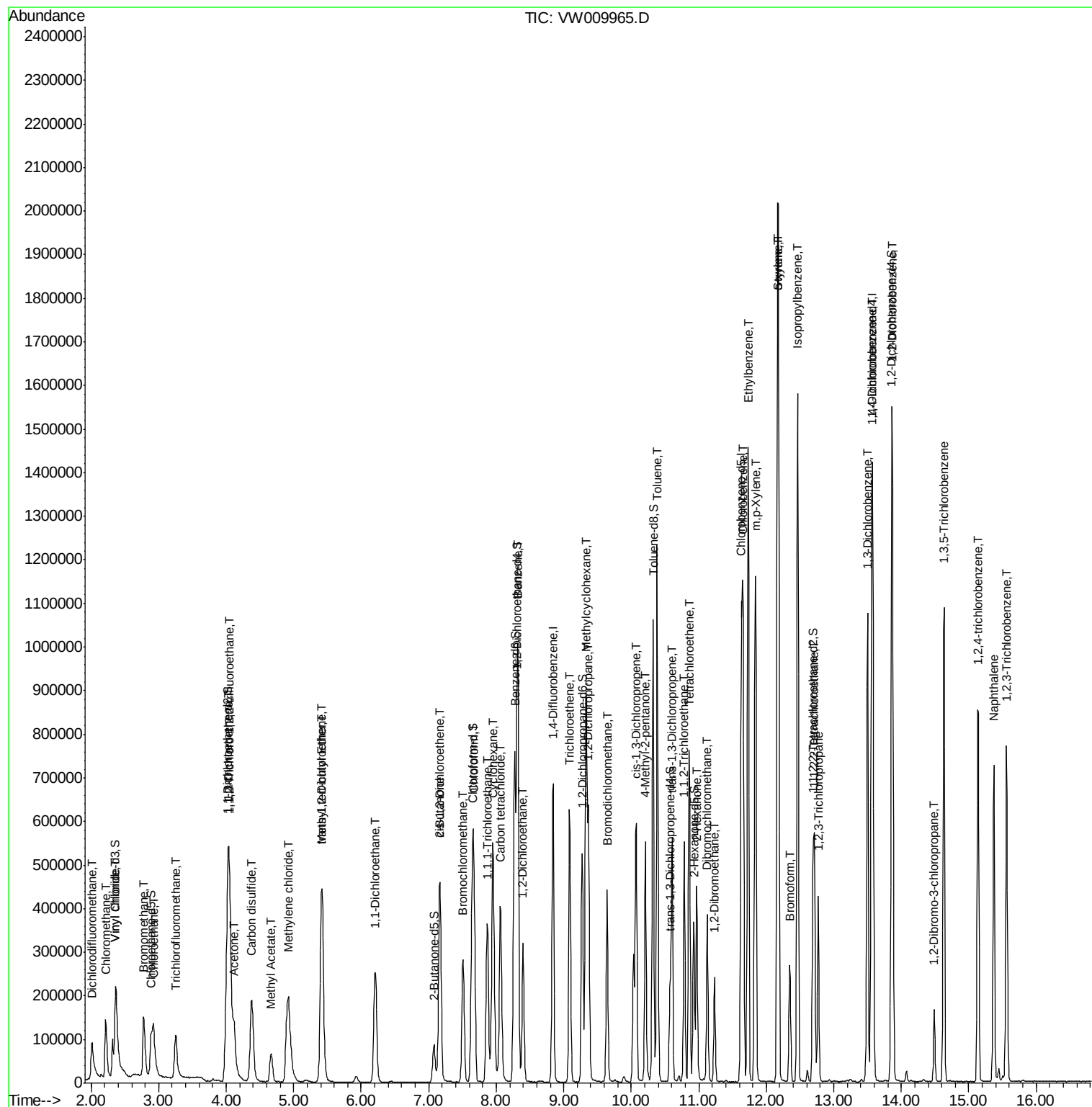
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	91293	25.181	ug/L	95
25) Chloroform	7.67	83	372949	25.111	ug/L	100
27) 1,2-Dichloroethane	8.40	62	286890	25.539	ug/L	98
30) Cyclohexane	7.95	56	310512	25.803	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	292388	25.279	ug/L	99
32) Carbon tetrachloride	8.06	117	289853	24.996	ug/L	99
34) Benzene	8.32	78	781619	25.480	ug/L	100
35) Trichloroethene	9.09	95	200153	24.932	ug/L	99
36) Methylcyclohexane	9.33	83	336634	25.505	ug/L	99
40) 1,2-Dichloropropane	9.37	63	204203	26.005	ug/L	99
41) Bromodichloromethane	9.64	83	275103	25.390	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	314803	25.877	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	372394	61.051	ug/L	99
44) Toluene	10.38	91	844215	25.979	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	275798	26.295	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	157258	26.680	ug/L	95
47) Tetrachloroethene	10.86	164	157102	24.847	ug/L	99
49) 2-Hexanone	10.97	43	284304	62.597	ug/L	99
50) Dibromochloromethane	11.13	129	185967	25.681	ug/L	100
51) 1,2-Dibromoethane	11.23	107	153633	26.006	ug/L	99
52) Chlorobenzene	11.66	112	524273	25.064	ug/L	99
53) Ethylbenzene	11.73	91	963819	26.037	ug/L	100
54) m,p-Xylene	11.84	106	356724	26.054	ug/L	99
55) o-xylene	12.16	106	333662	25.588	ug/L	96
56) Styrene	12.18	104	603471	26.672	ug/L	98
57) Isopropylbenzene	12.46	105	949721	26.598	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	219539	27.699	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	166275	28.183	ug/L	99
62) Bromoform	12.35	173	114441	24.440	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	399548	24.252	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	423916	24.130	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	394290	25.017	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	41711	27.187	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	310612	25.411	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	255367	26.014	ug/L	99
69) Naphthalene	15.37	128	569216	28.850	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	248281	27.037	ug/L	99

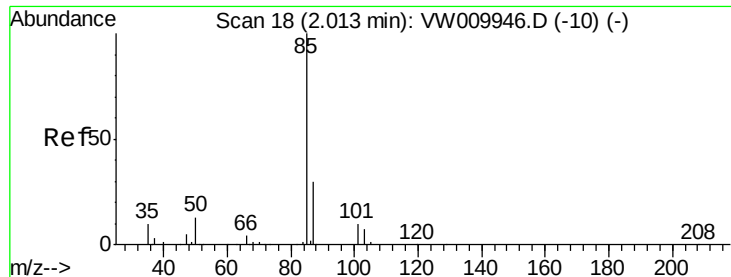
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.280 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

Instrument :

MSVOA_W

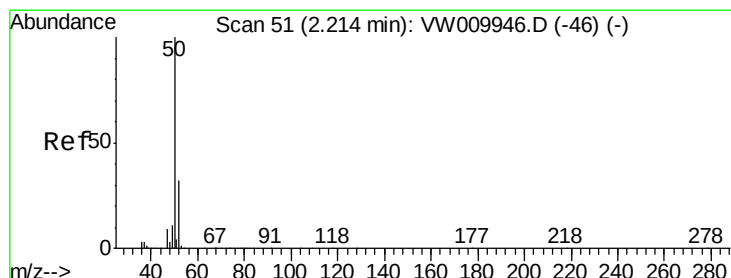
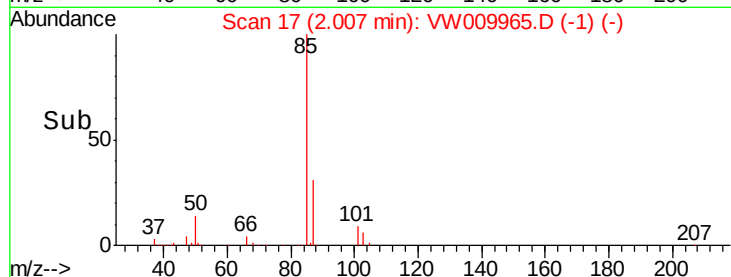
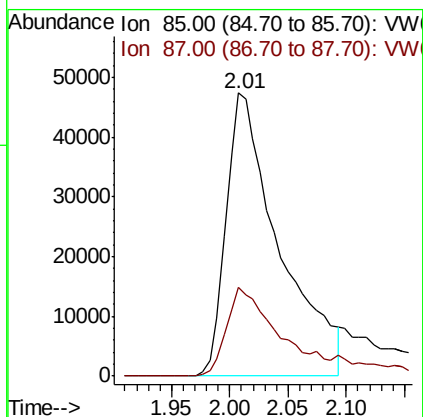
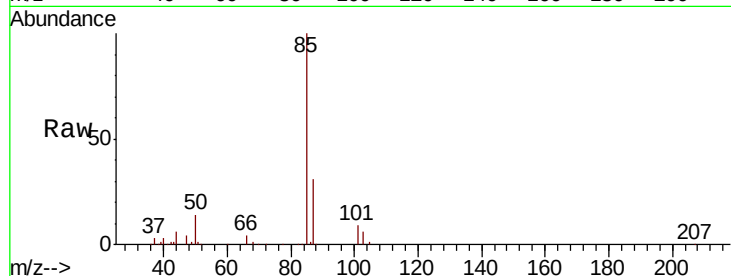
ClientSampleId :

Tot Ion: 85 Resp: 149936

Ion Ratio Lower Upper

85 100

87 28.5 18.1 33.5



#3

Chloromethane

Concen: 22.180 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009965.D

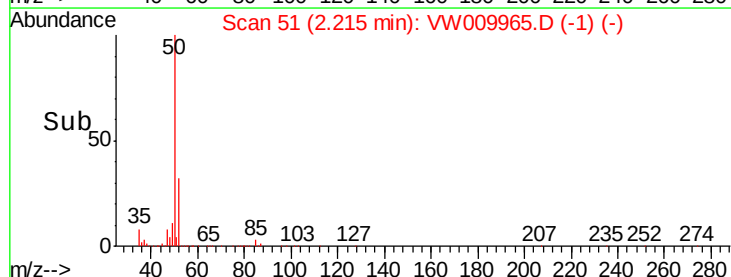
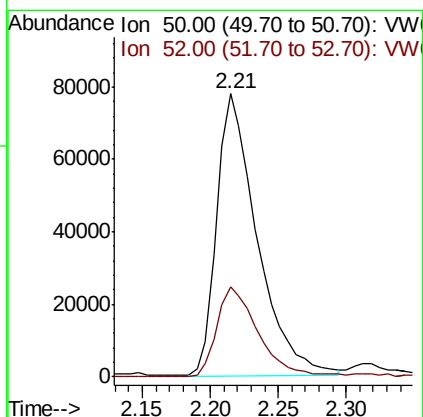
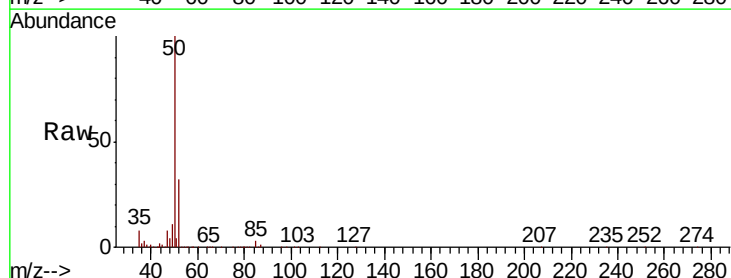
Acq: 12 Apr 2019 19:17

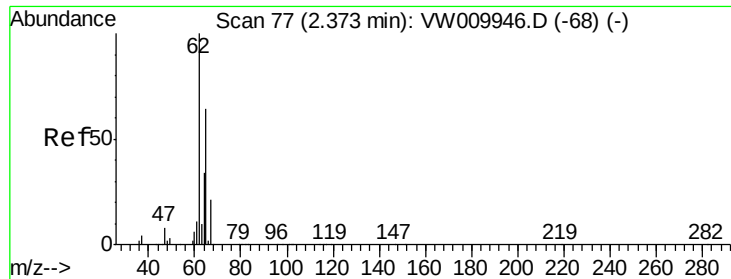
Tgt Ion: 50 Resp: 161507

Ion Ratio Lower Upper

50 100

52 31.9 22.3 41.3





#5

Vinyl chloride

Concen: 20.289 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

Instrument :

MSVOA_W

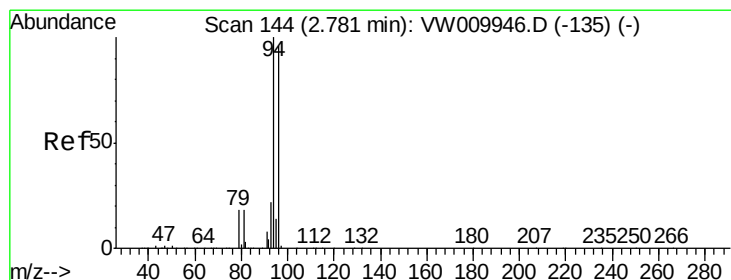
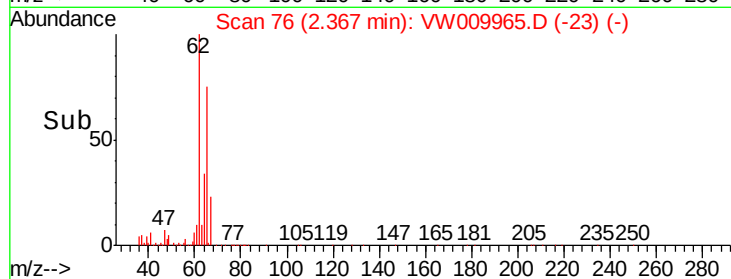
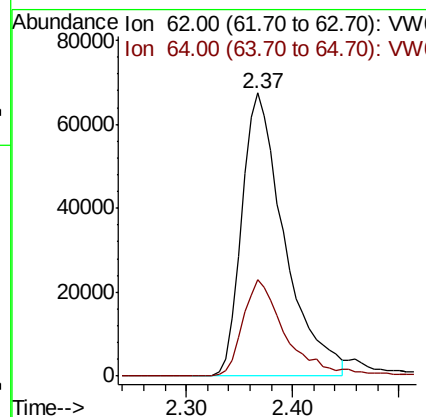
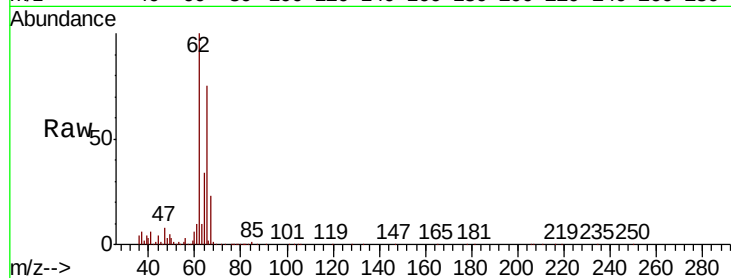
ClientSampleId :

Tot Ion: 62 Resp: 189498

Ion Ratio Lower Upper

62 100

64 34.2 21.8 40.6



#6

Bromomethane

Concen: 18.248 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW009965.D

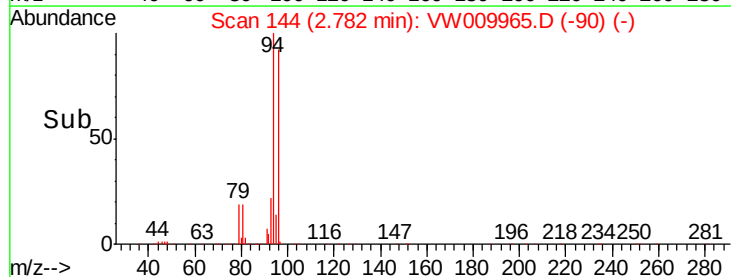
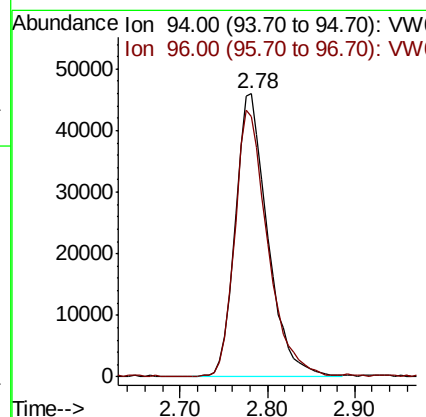
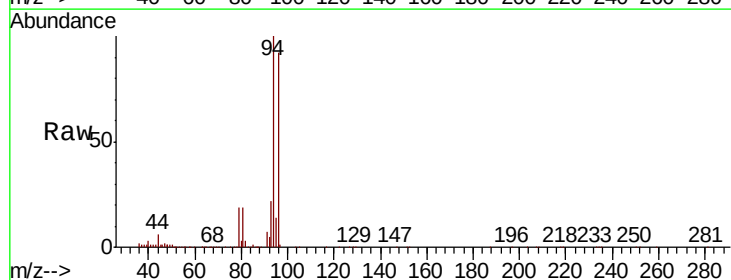
Acq: 12 Apr 2019 19:17

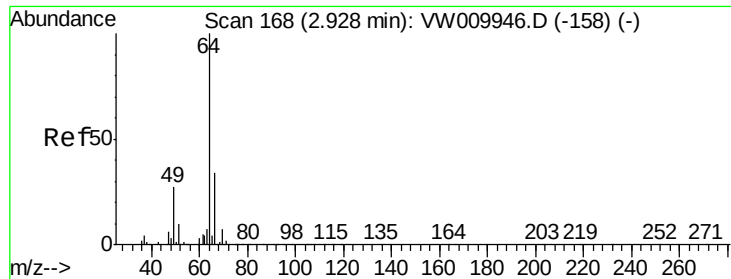
Tgt Ion: 94 Resp: 117938

Ion Ratio Lower Upper

94 100

96 96.2 9.3 177.3





#8

Chloroethane

Concen: 20.081 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

Instrument :

MSVOA_W

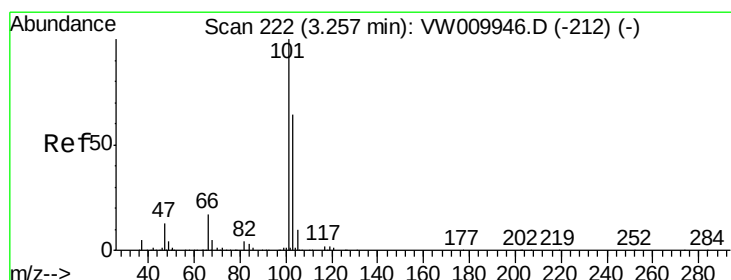
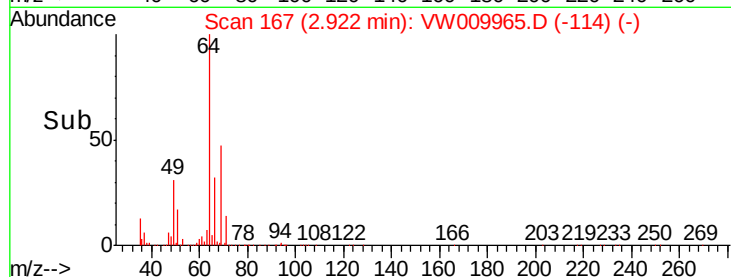
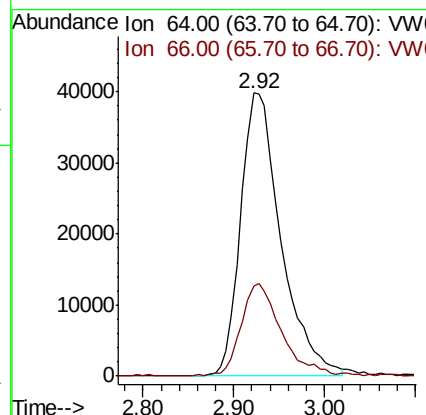
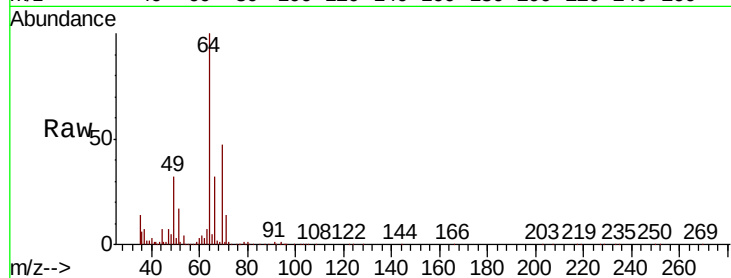
ClientSampleId :

Tot Ion: 64 Resp: 123103

Ion Ratio Lower Upper

64 100

66 32.0 21.6 40.2



#9

Trichlorofluoromethane

Concen: 20.686 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW009965.D

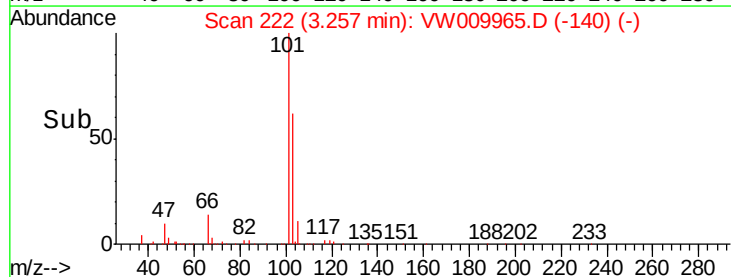
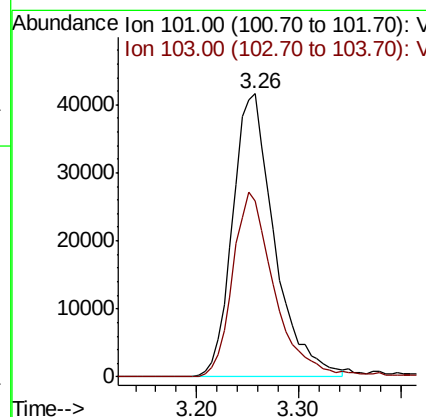
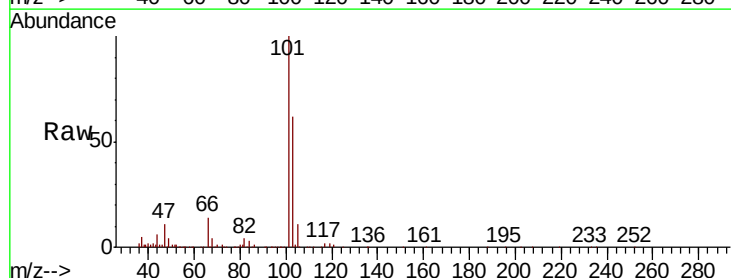
Acq: 12 Apr 2019 19:17

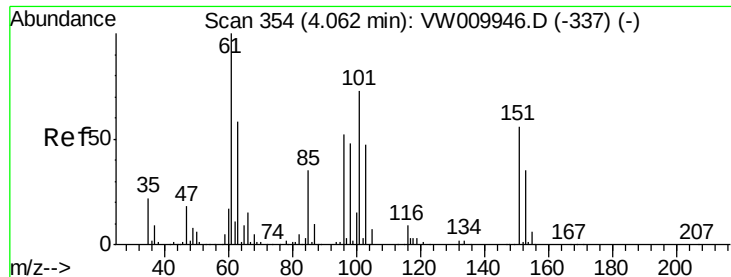
Tgt Ion: 101 Resp: 118526

Ion Ratio Lower Upper

101 100

103 64.5 45.1 83.7





#11

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

Concen: 24.908 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

Instrument :

MSVOA_W

ClientSampleId :

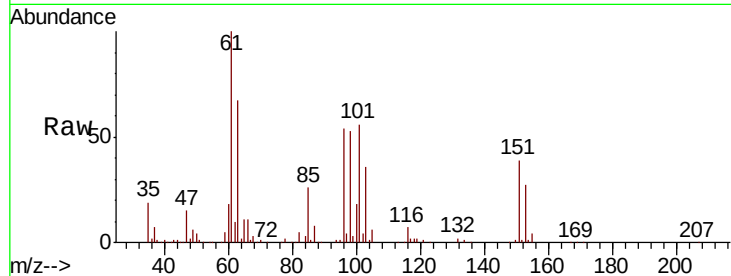
Tot Ion:101 Resp: 185632

Ion Ratio Lower Upper

101 100

85 41.7 37.8 56.6

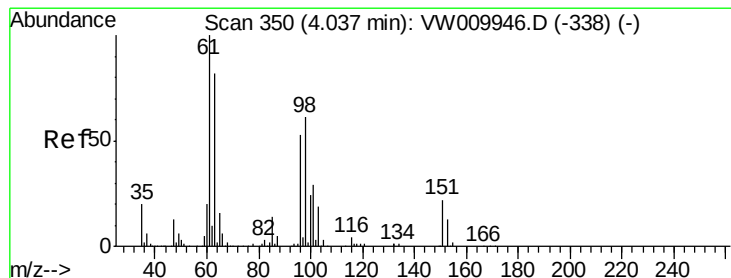
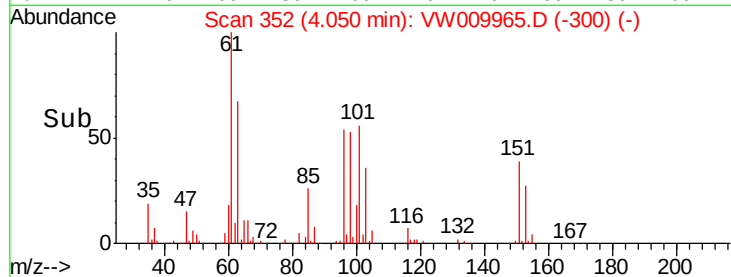
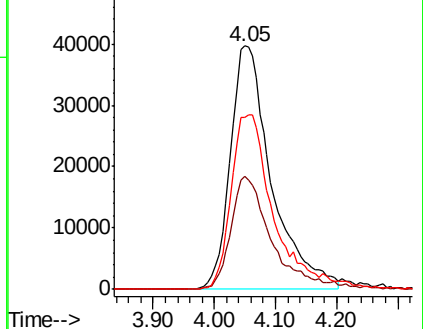
151 0.0 60.6 91.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.055 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

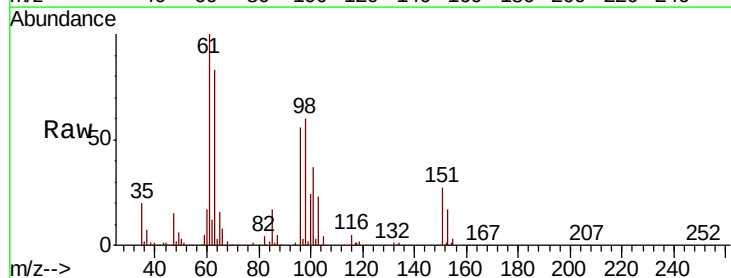
Tgt Ion: 96 Resp: 178002

Ion Ratio Lower Upper

96 100

61 179.9 138.8 257.8

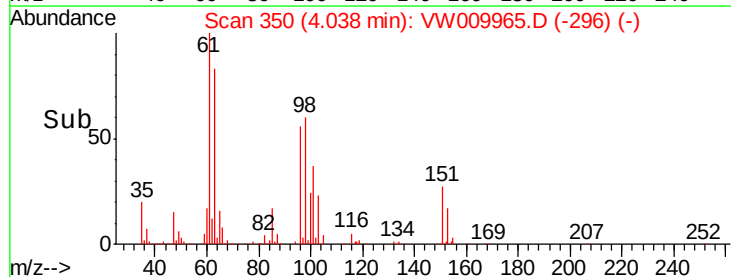
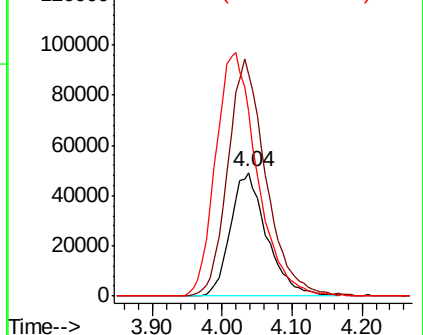
63 149.3 114.6 212.8

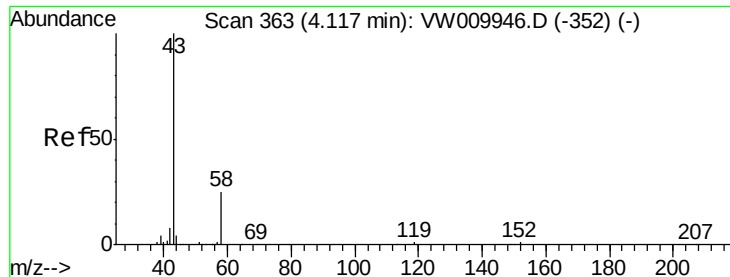


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 52.004 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

Instrument :

MSVOA_W

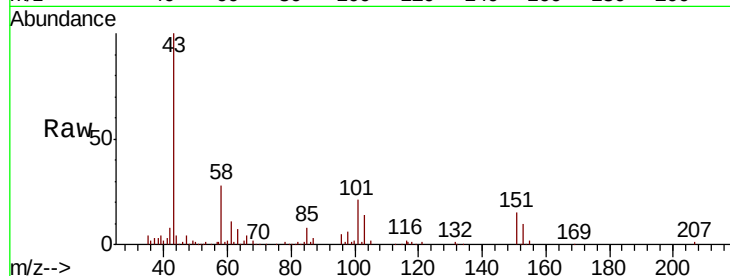
ClientSampleId :

Tot Ion: 43 Resp: 126629

Ion Ratio Lower Upper

43 100

58 28.1 0.0 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

50000

40000

30000

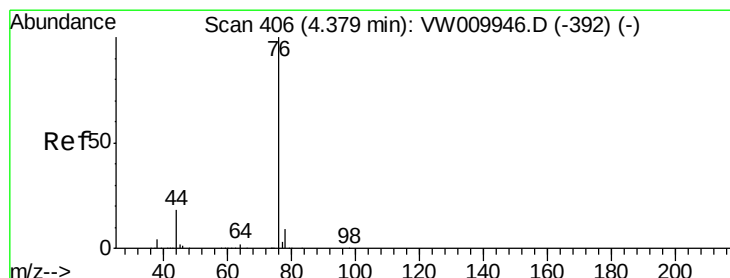
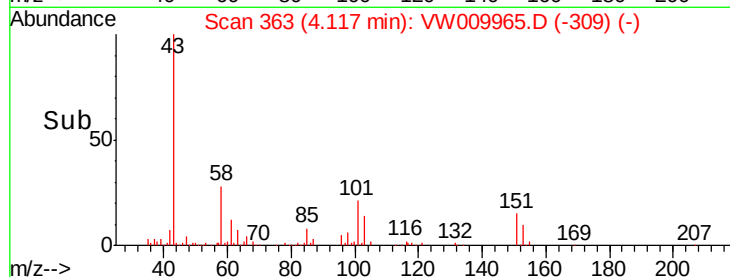
20000

10000

0

Time-->

4.00 4.10 4.20



#14

Carbon disulfide

Concen: 21.450 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009965.D

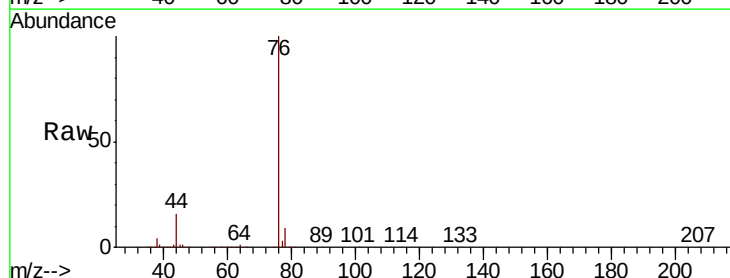
Acq: 12 Apr 2019 19:17

Tgt Ion: 76 Resp: 473680

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

150000

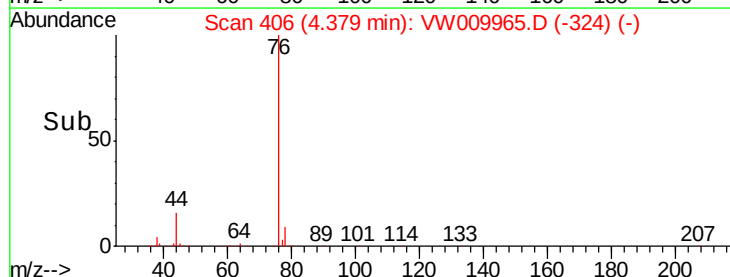
100000

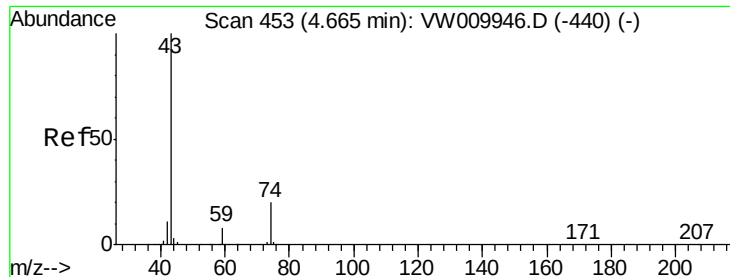
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Time-->

4.30 4.40 4.50

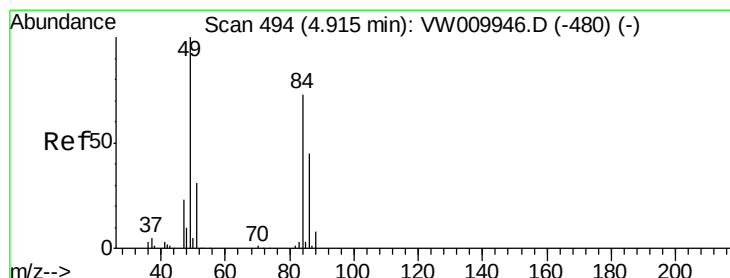
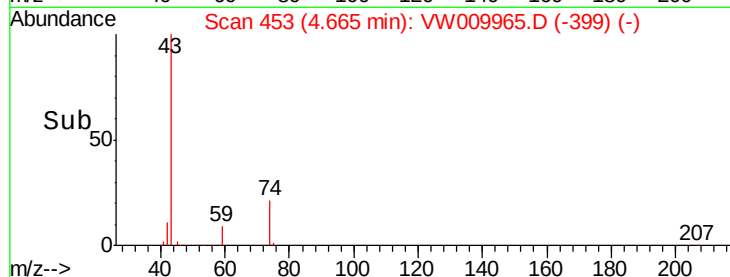
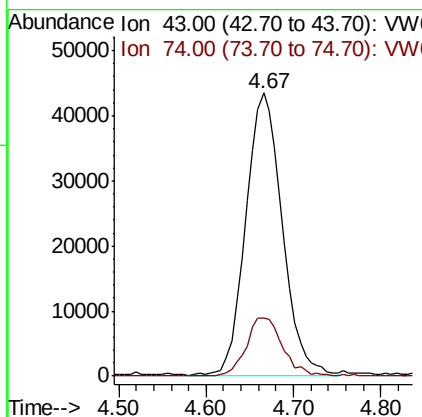
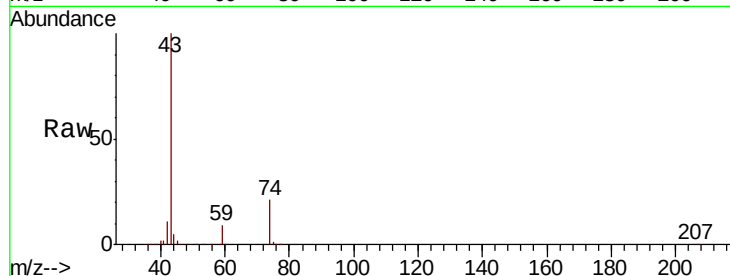




#15
Methvl Acetate
Concen: 28.252 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW009965.D
Acq: 12 Apr 2019 19:17

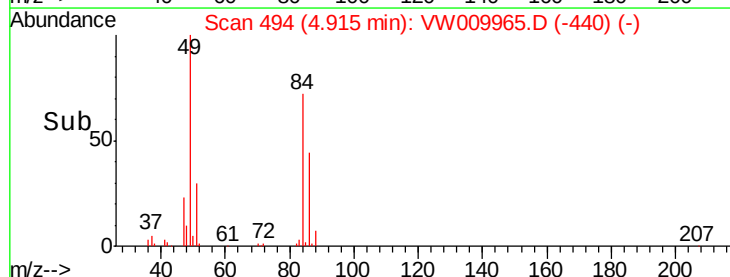
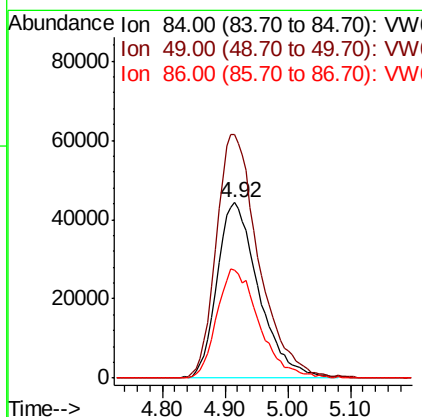
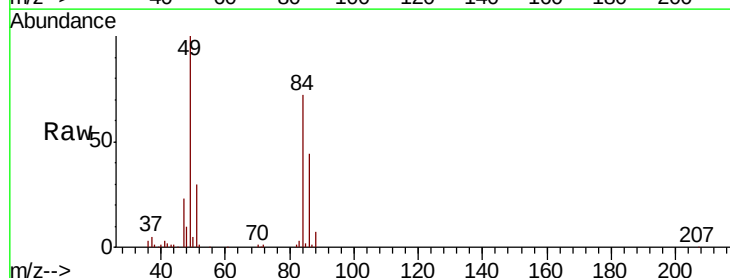
Instrument :
MSVOA_W
ClientSampleId :

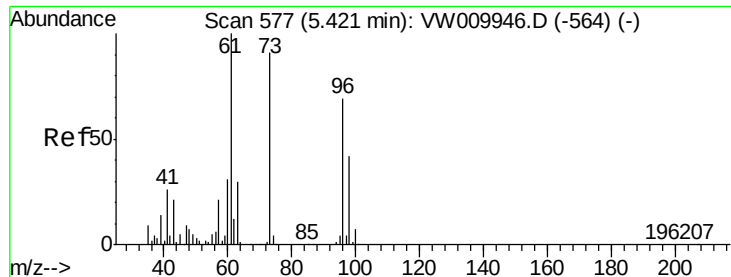
Tot Ion: 43 Resp: 125433
Ion Ratio Lower Upper
43 100
74 19.6 17.2 25.8



#16
Methylene chloride
Concen: 21.595 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009965.D
Acq: 12 Apr 2019 19:17

Tgt Ion: 84 Resp: 203720
Ion Ratio Lower Upper
84 100
49 138.7 98.3 182.5
86 61.5 46.4 86.2

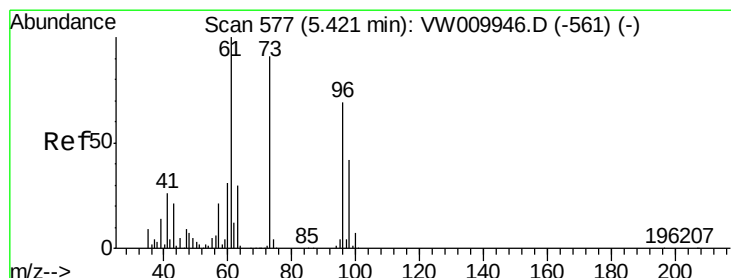
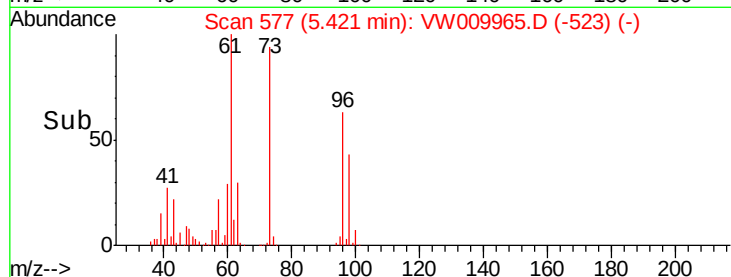
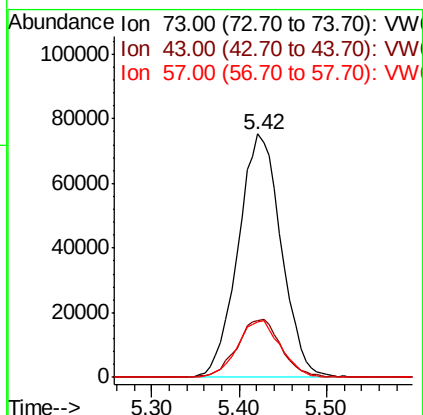
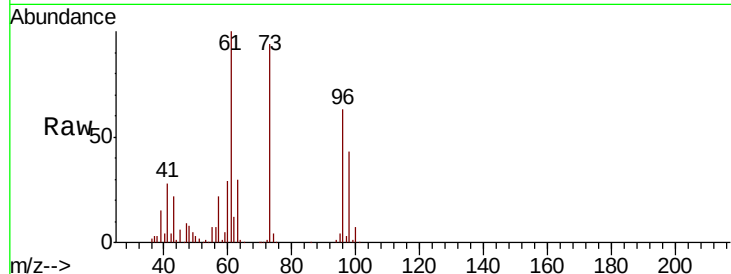




#17
Methyl tert-butyl Ether
Concen: 26.150 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009965.D
Acq: 12 Apr 2019 19:17

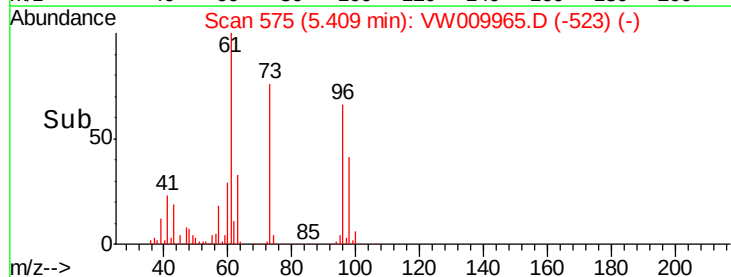
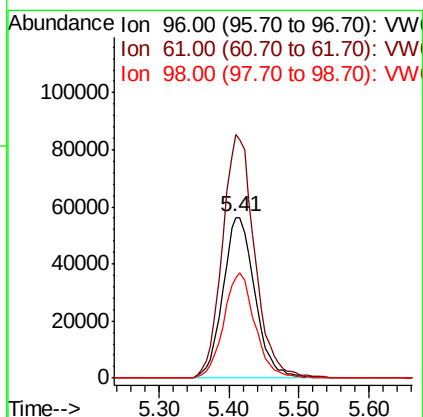
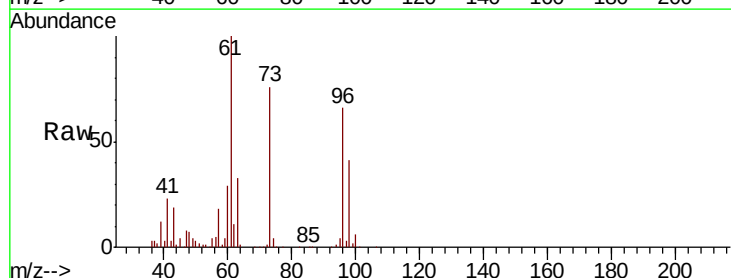
Instrument :
MSVOA_W
ClientSampleId :

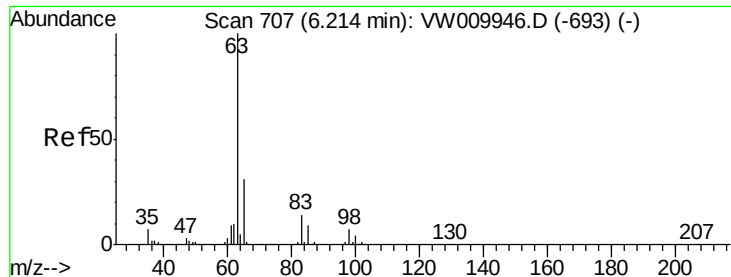
Tot Ion	Ratio	Lower	Upper
73	100		
43	24.2	20.2	30.2
57	23.5	17.8	26.8



#18
trans-1,2-Dichloroethene
Concen: 24.281 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW009965.D
Acq: 12 Apr 2019 19:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.6	103.7	192.5
98	62.4	43.7	81.1

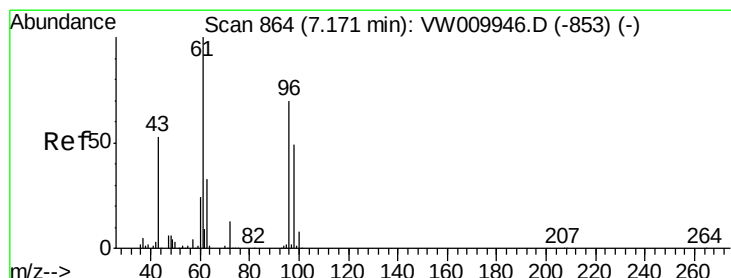
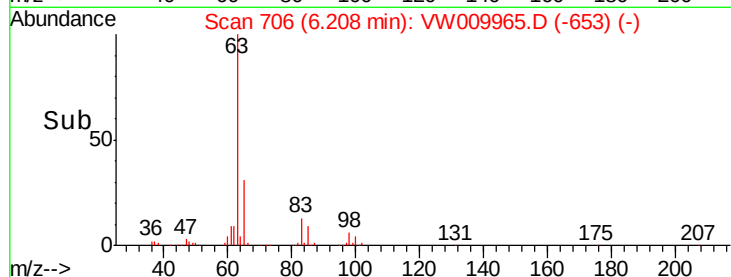
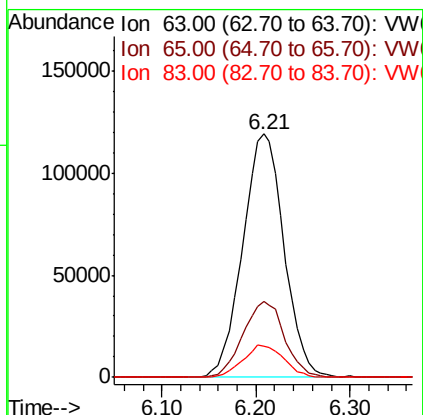
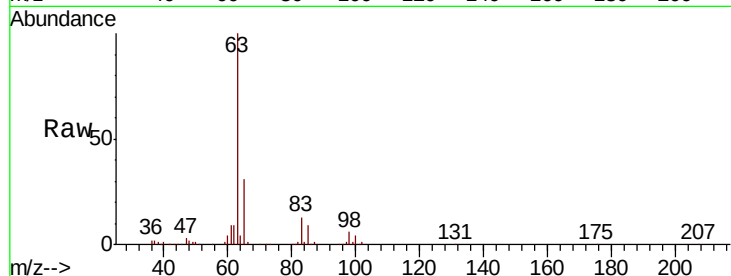




#19
 1,1-Dichloroethane
 Concen: 25.695 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW009965.D
 Acq: 12 Apr 2019 19:17

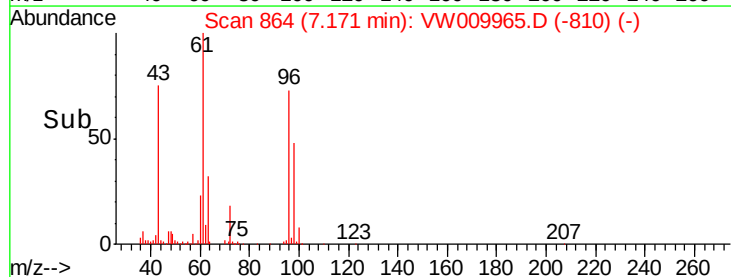
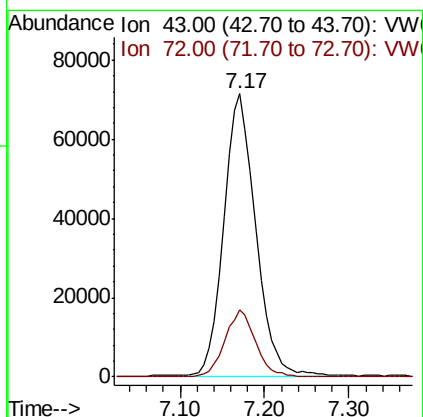
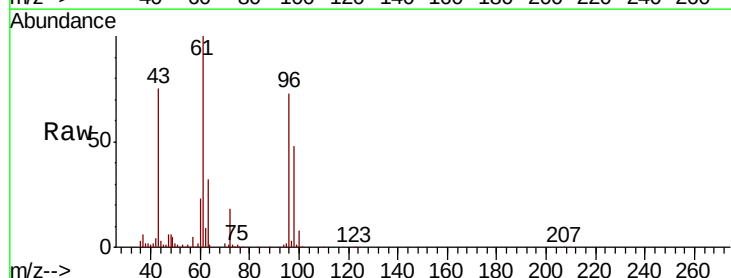
Instrument :
 MSVOA_W
 ClientSampleId :

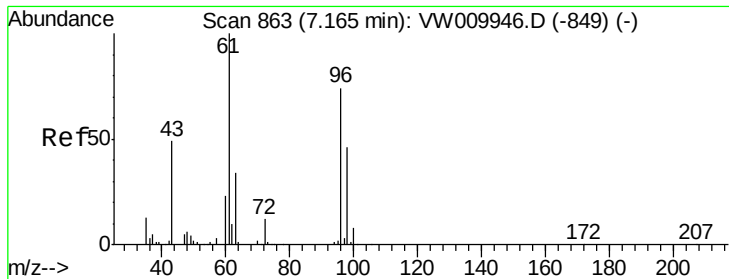
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.6	42.0
83	12.8	9.8	18.2



#21
 2-Butanone
 Concen: 59.827 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW009965.D
 Acq: 12 Apr 2019 19:17

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.7	12.0	36.1



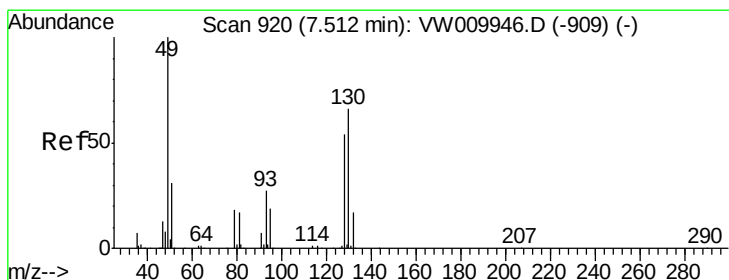
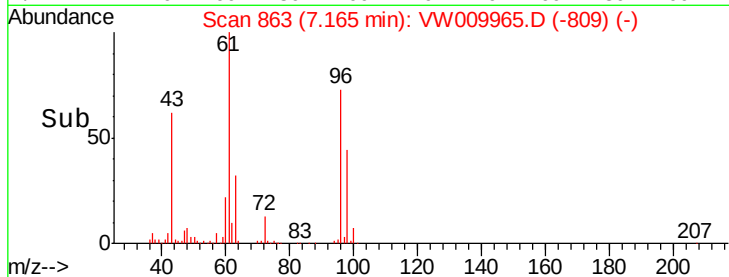
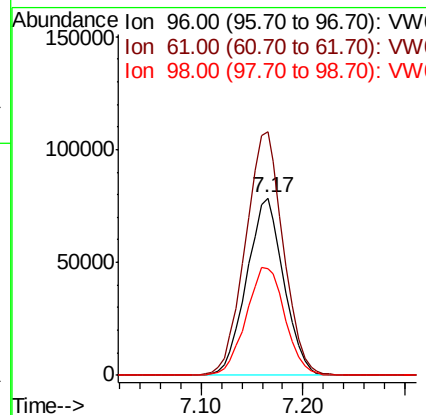
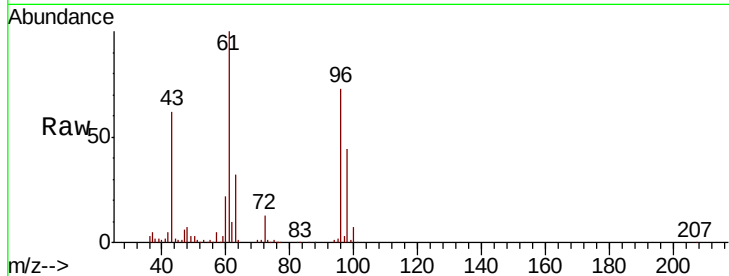


#22

cis-1,2-Dichloroethene
 Concen: 25.143 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009965.D
 Acq: 12 Apr 2019 19:17

Instrument :
 MSVOA_W
 ClientSampled :

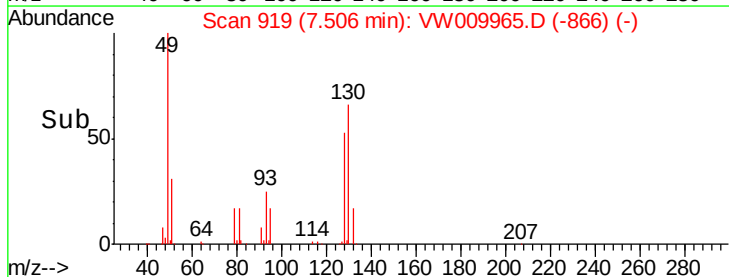
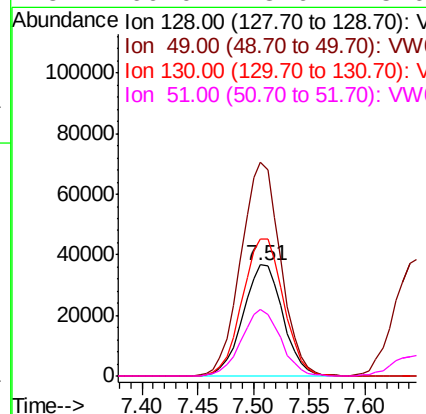
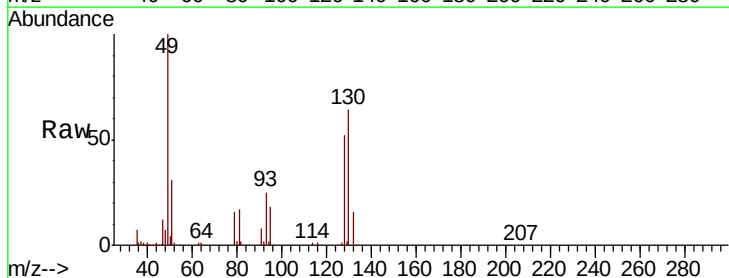
Tot Ion	96	Resp	198689
Ion Ratio	Lower	Upper	
96	100		
61	137.5	96.8	179.8
98	59.9	43.5	80.9

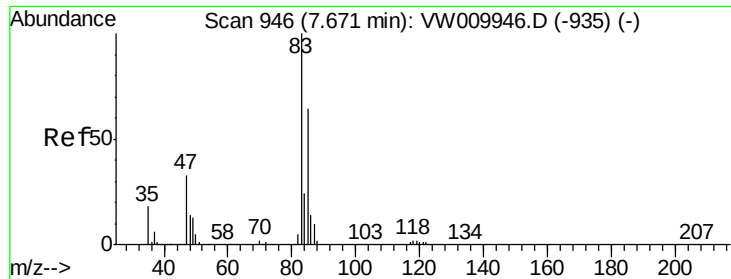


#23

Bromochloromethane
 Concen: 25.181 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW009965.D
 Acq: 12 Apr 2019 19:17

Tgt Ion	128	Resp	91293
Ion Ratio	Lower	Upper	
128	100		
49	192.6	132.6	246.2
130	123.6	95.5	177.4
51	60.0	48.6	73.0





#25

Chloroform

Concen: 25.111 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

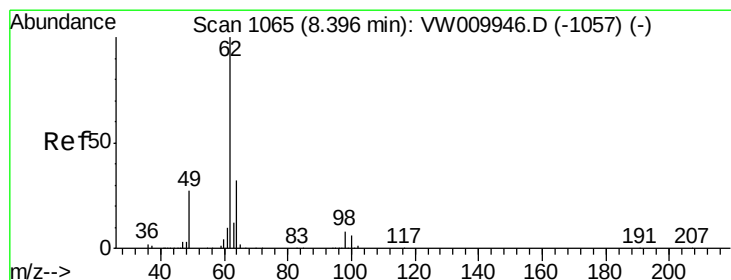
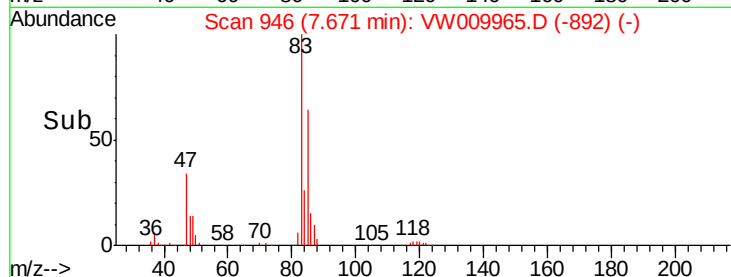
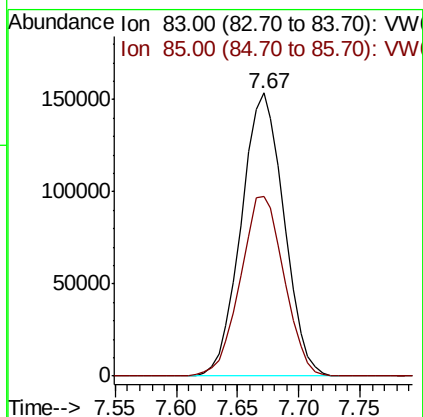
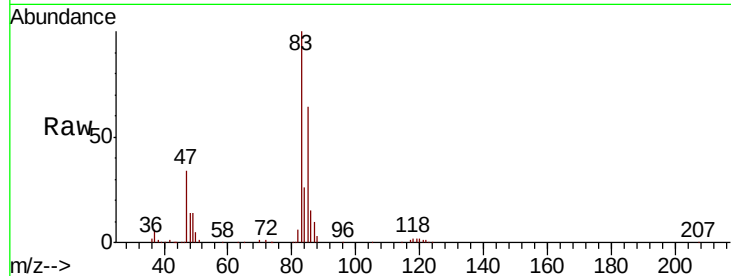
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 372949

Ion Ratio Lower Upper

83 100

85 65.4 45.6 84.8



#27

1,2-Dichloroethane

Concen: 25.539 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009965.D

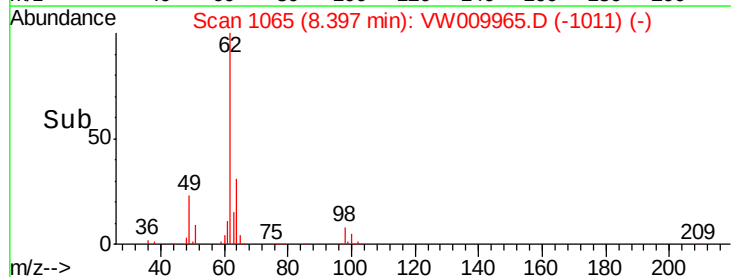
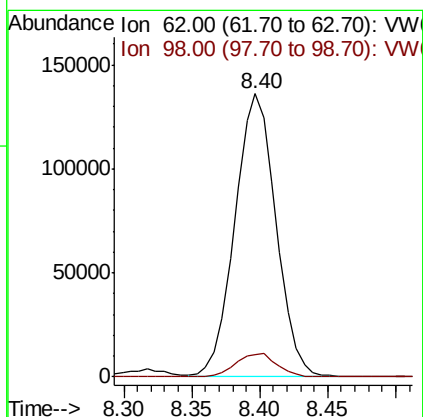
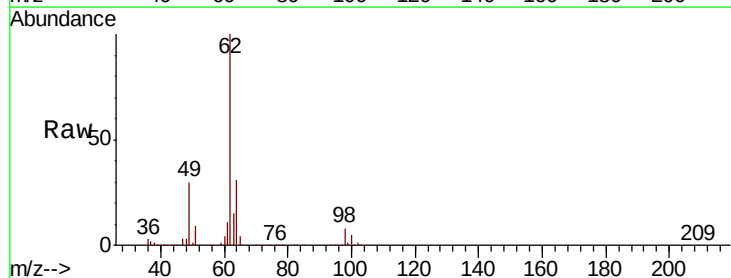
Acq: 12 Apr 2019 19:17

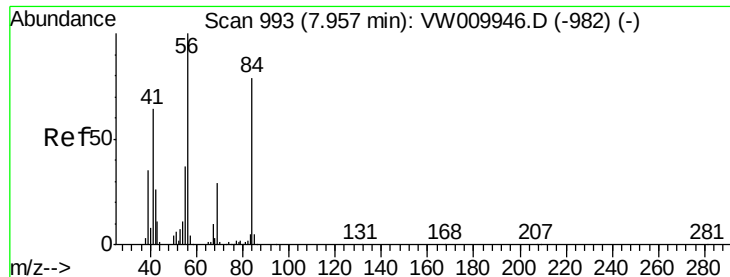
Tgt Ion: 62 Resp: 286890

Ion Ratio Lower Upper

62 100

98 7.9 7.0 10.4

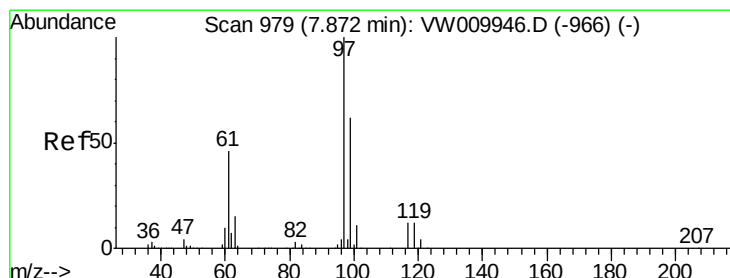
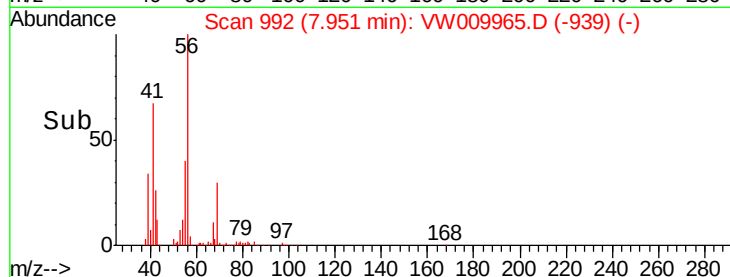
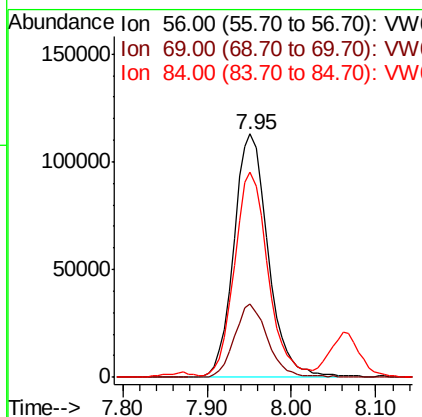
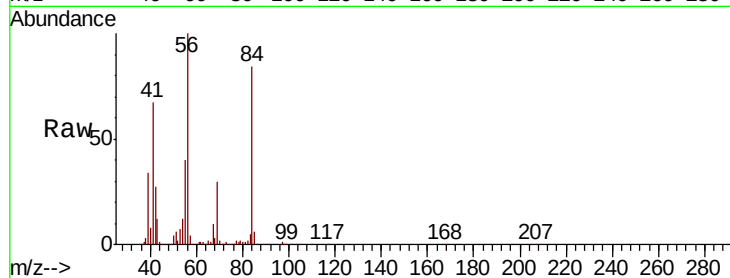




#30
Cyclohexane
Concen: 25.803 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW009965.D
Acq: 12 Apr 2019 19:17

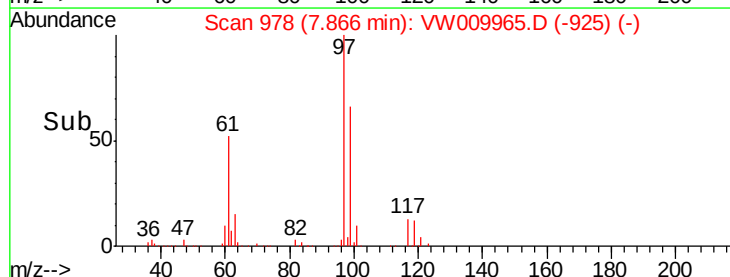
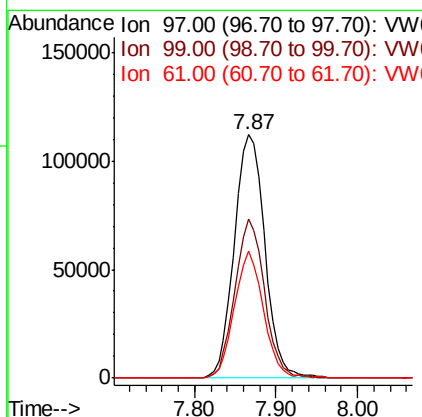
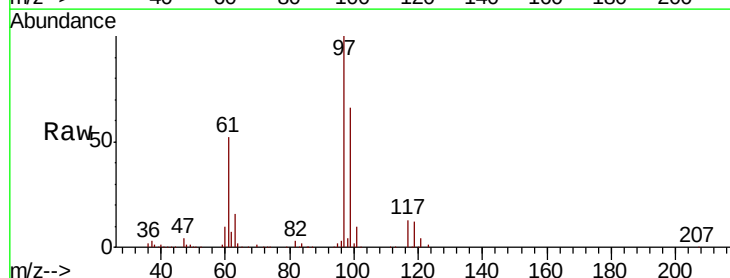
Instrument :
MSVOA_W
ClientSampled :

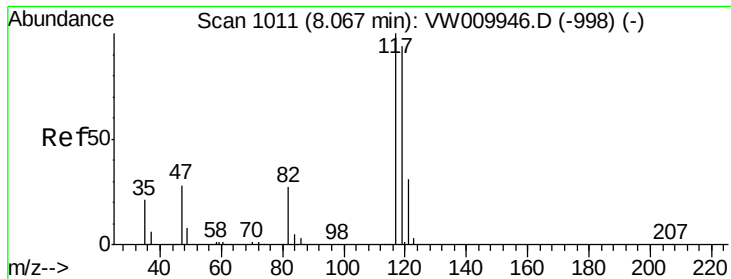
Tot Ion: 56 Resp: 310512
Ion Ratio Lower Upper
56 100
69 28.7 23.4 35.2
84 82.9 67.7 101.5



#31
1,1,1-Trichloroethane
Concen: 25.279 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW009965.D
Acq: 12 Apr 2019 19:17

Tgt Ion: 97 Resp: 292388
Ion Ratio Lower Upper
97 100
99 63.1 50.8 76.2
61 49.3 38.6 57.8





#32

Carbon tetrachloride

Concen: 24.996 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

Instrument :

MSVOA_W

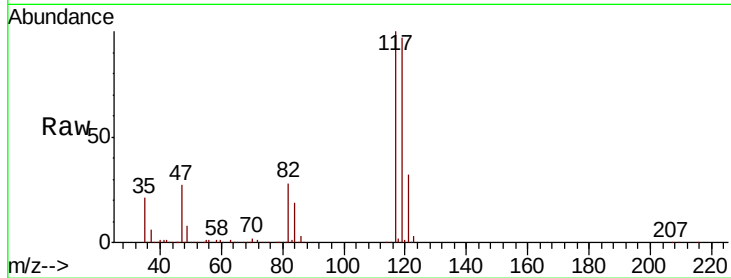
ClientSampled :

Tot Ion:117 Resp: 289853

Ion Ratio Lower Upper

117 100

119 95.6 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

120000

100000

80000

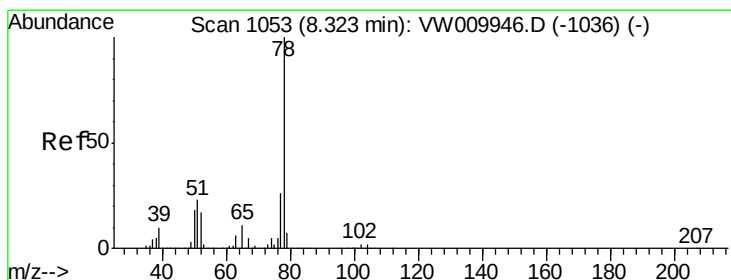
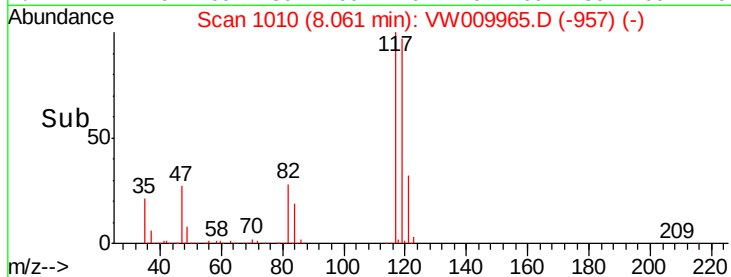
60000

40000

20000

0

Time-->



#34

Benzene

Concen: 25.480 ug/L

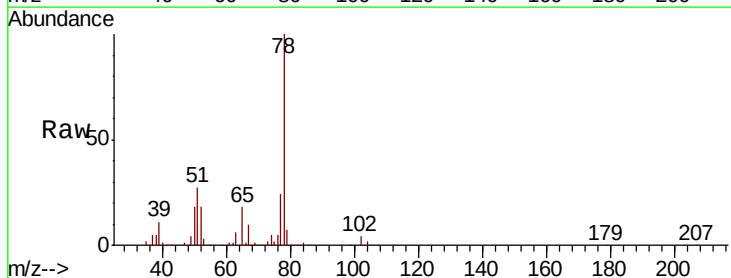
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

Tgt Ion: 78 Resp: 781619



Abundance Ion 78.00 (77.70 to 78.70): VW

400000

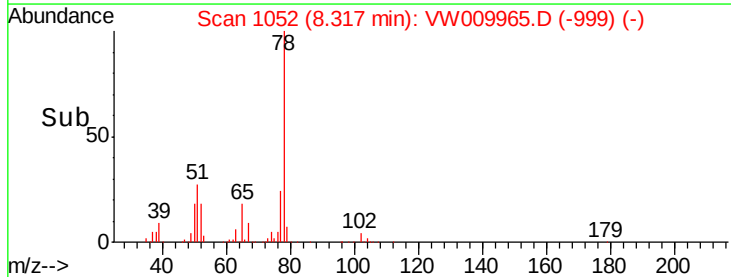
300000

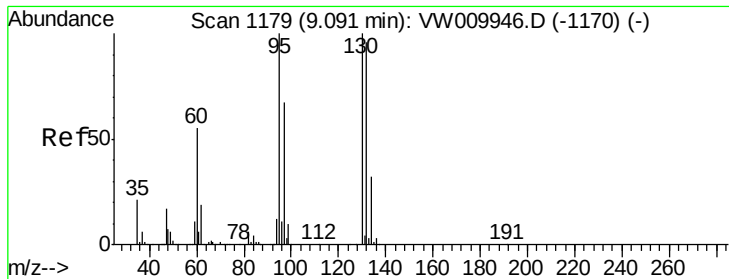
200000

100000

0

Time-->

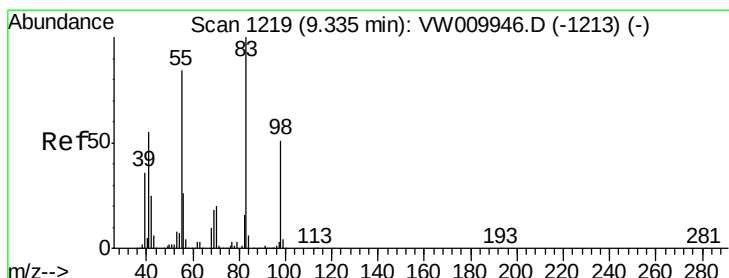
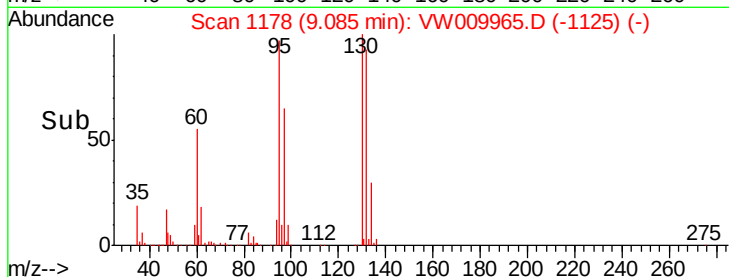
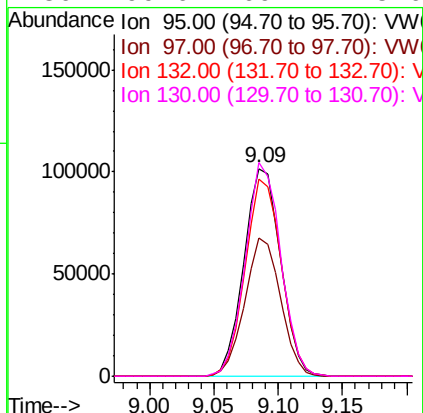
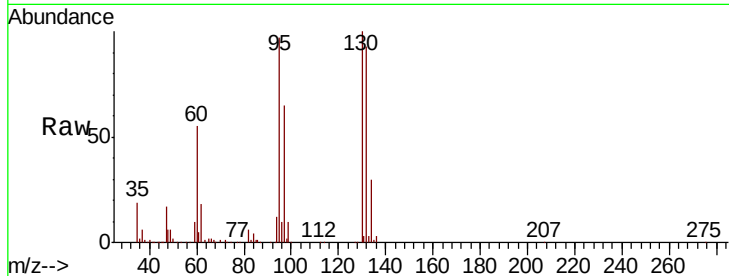




#35
 Trichloroethene
 Concen: 24.932 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW009965.D
 Acq: 12 Apr 2019 19:17

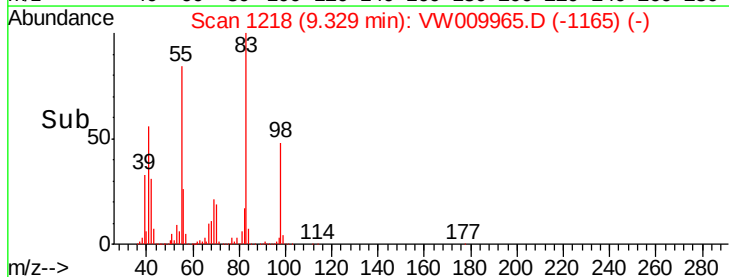
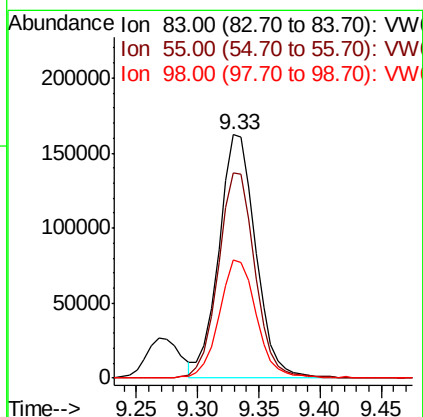
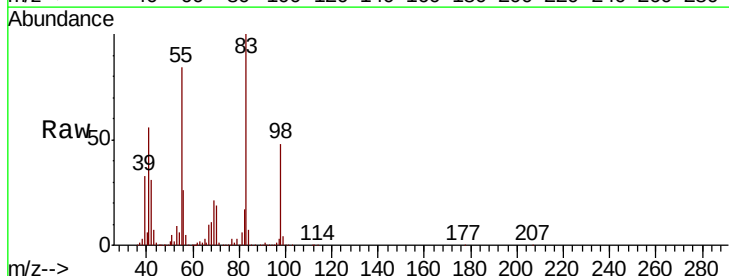
Instrument :
 MSVOA_W
 ClientSampleId :

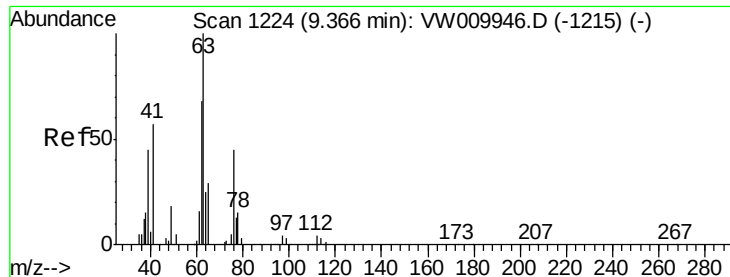
Tot Ion:	95	Resp:	200153
Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.9	83.5
132	93.7	67.1	124.7
130	99.6	69.2	128.6



#36
 Methylcyclohexane
 Concen: 25.505 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW009965.D
 Acq: 12 Apr 2019 19:17

Tgt Ion:	83	Resp:	336634
Ion	Ratio	Lower	Upper
83	100		
55	84.7	66.3	99.5
98	49.1	39.4	59.0

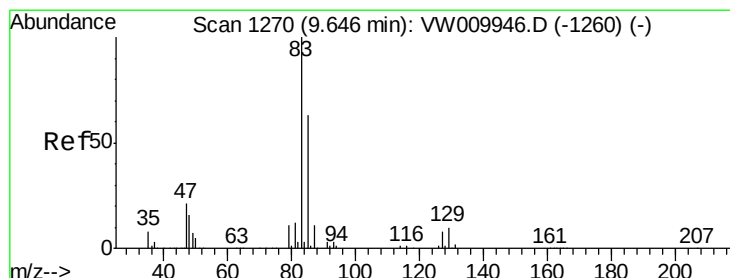
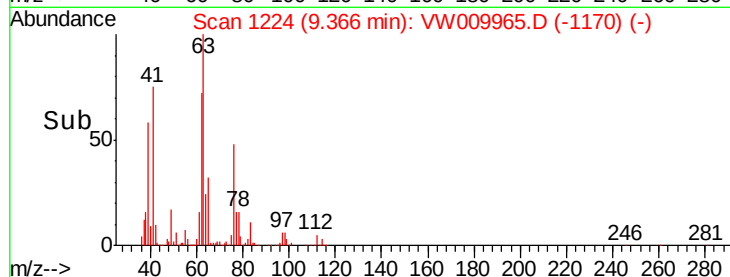
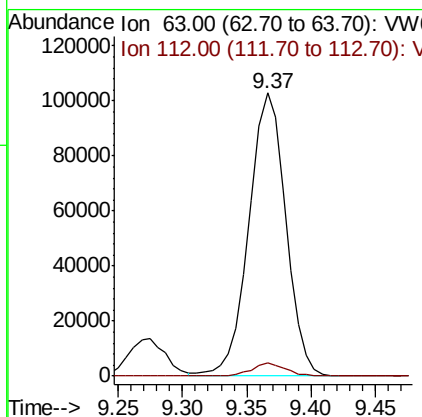
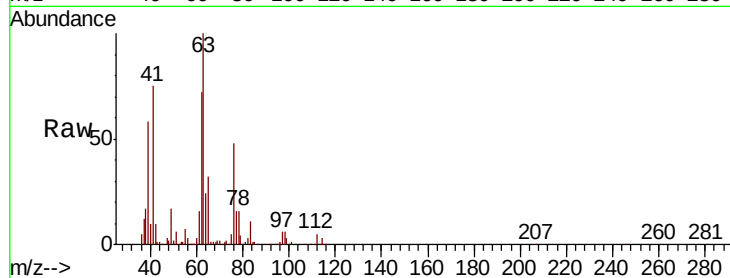




#40
 1,2-Dichloropropane
 Concen: 26.005 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009965.D
 Acq: 12 Apr 2019 19:17

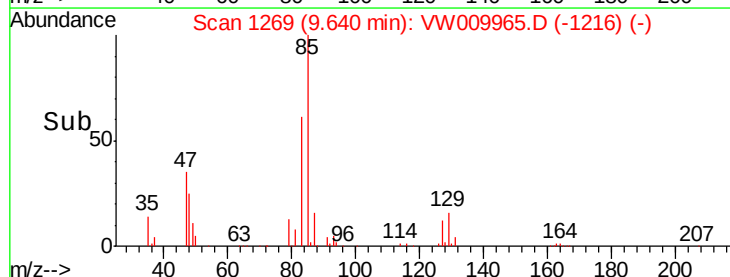
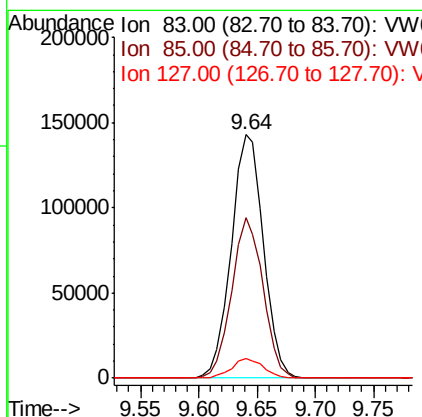
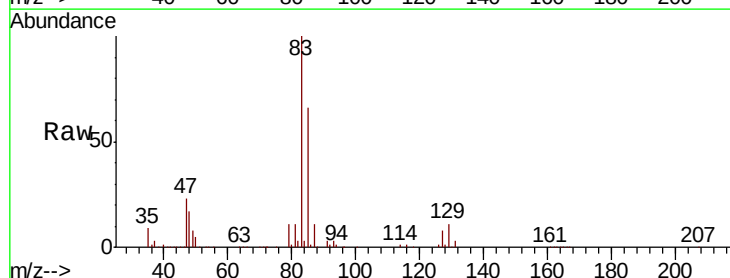
Instrument :
 MSVOA_W
 ClientSampled :

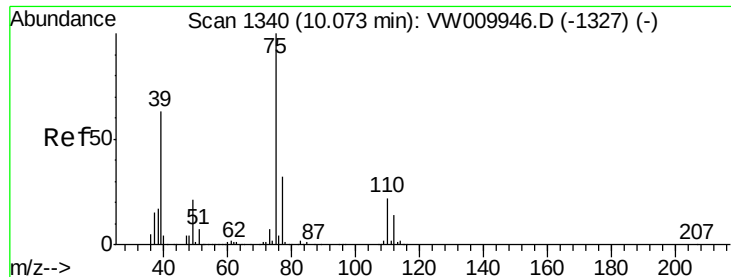
Tot Ion: 63 Resp: 204203
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.8



#41
 Bromodichloromethane
 Concen: 25.390 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW009965.D
 Acq: 12 Apr 2019 19:17

Tgt Ion: 83 Resp: 275103
 Ion Ratio Lower Upper
 83 100
 85 65.8 45.0 83.6
 127 7.9 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 25.877 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

Instrument :

MSVOA_W

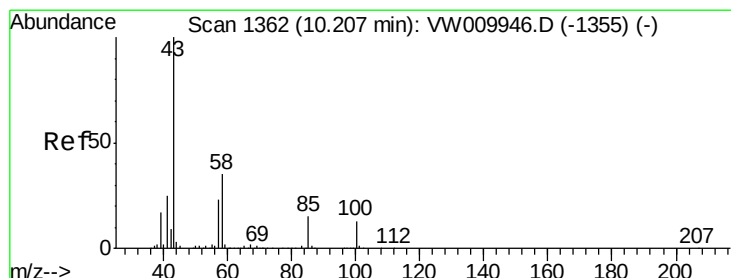
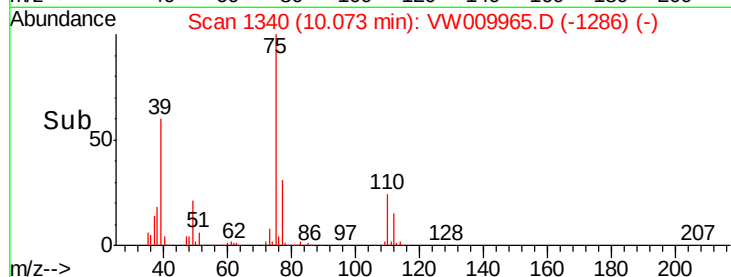
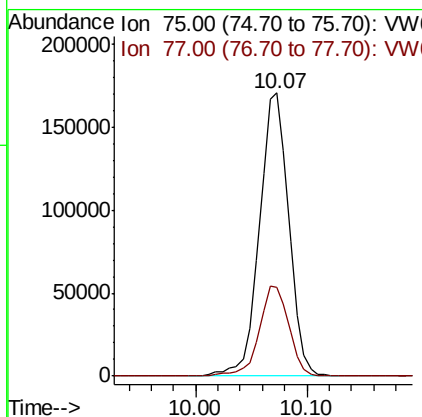
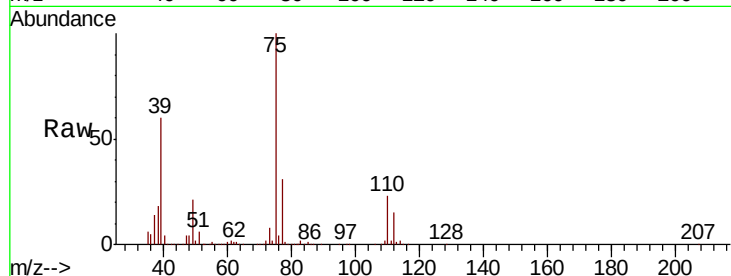
ClientSampleId :

Tot Ion: 75 Resp: 314803

Ion Ratio Lower Upper

75 100

77 31.5 21.0 39.0



#43

4-Methyl-2-pentanone

Concen: 61.051 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

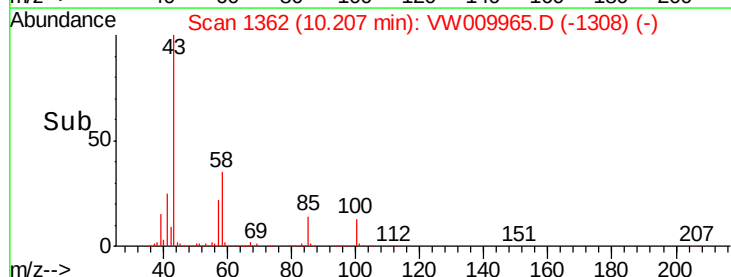
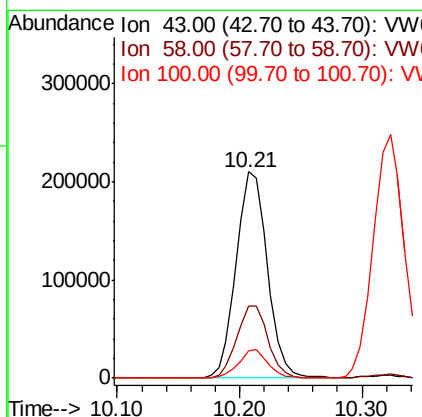
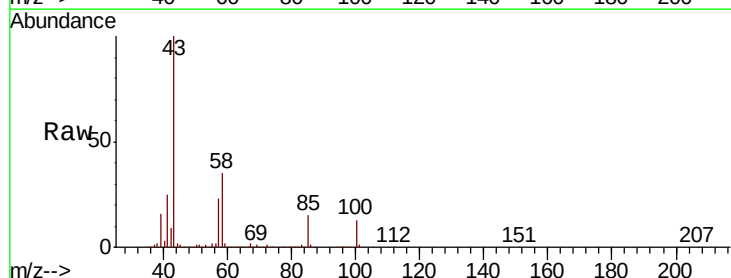
Tgt Ion: 43 Resp: 372394

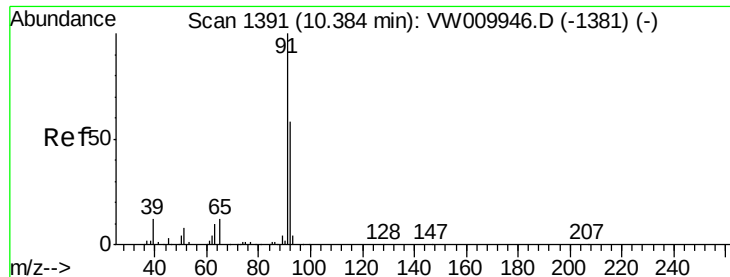
Ion Ratio Lower Upper

43 100

58 34.9 28.2 42.4

100 13.1 10.9 16.3





#44

Toluene

Concen: 25.979 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

Instrument :

MSVOA_W

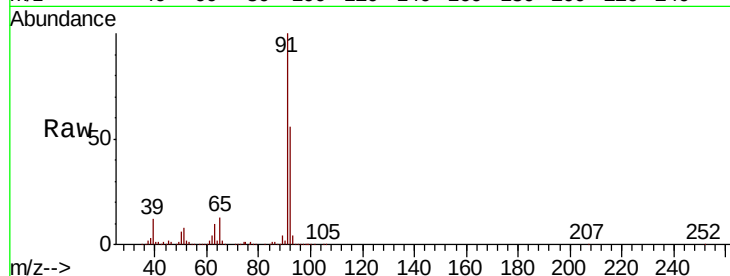
ClientSampled :

Tot Ion: 91 Resp: 844215

Ion Ratio Lower Upper

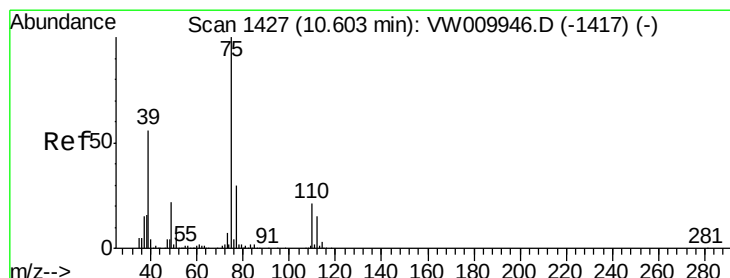
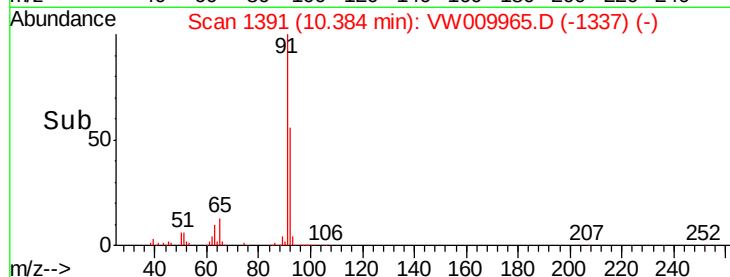
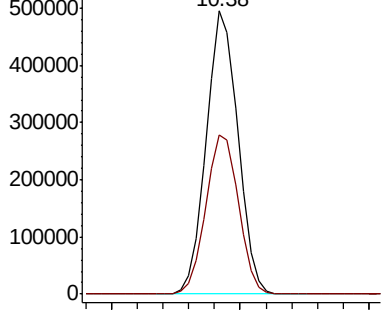
91 100

92 56.3 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 26.295 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009965.D

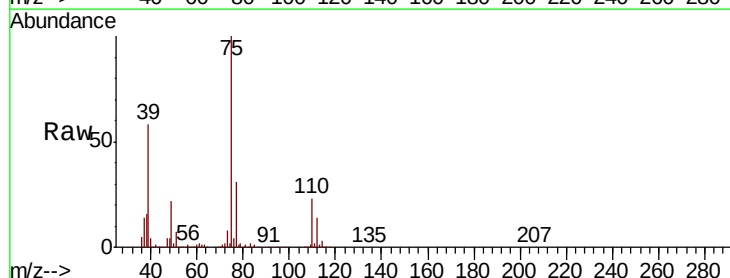
Acq: 12 Apr 2019 19:17

Tgt Ion: 75 Resp: 275798

Ion Ratio Lower Upper

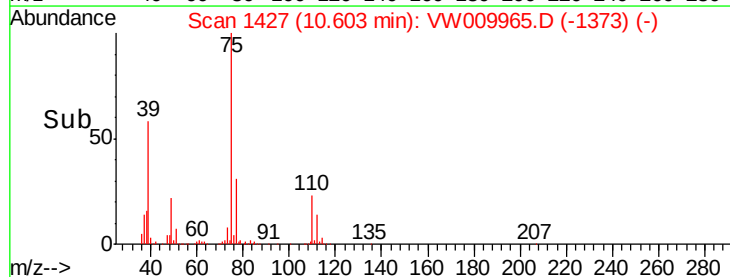
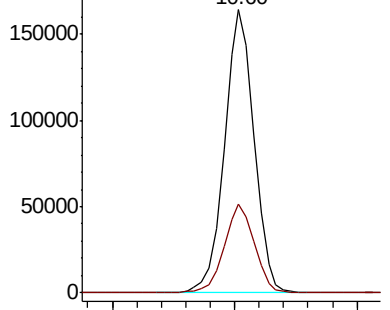
75 100

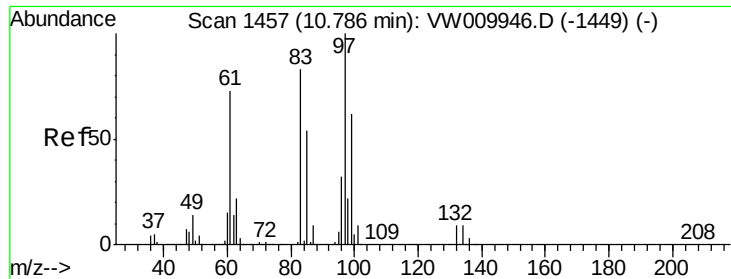
77 31.5 21.1 39.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

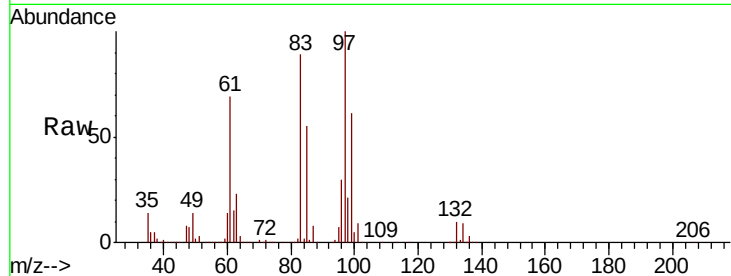




#46
1,1,2-Trichloroethane
Concen: 26.680 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW009965.D
Acq: 12 Apr 2019 19:17

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	97	Resp	157258
Ion	Ratio	Lower	Upper
97	100		
83	88.6	57.3	106.3
85	55.0	38.1	70.7
99	61.1	40.9	75.9



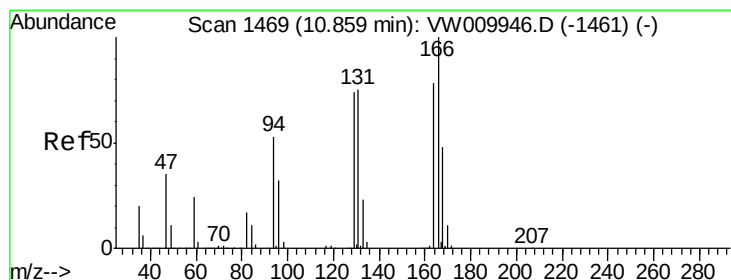
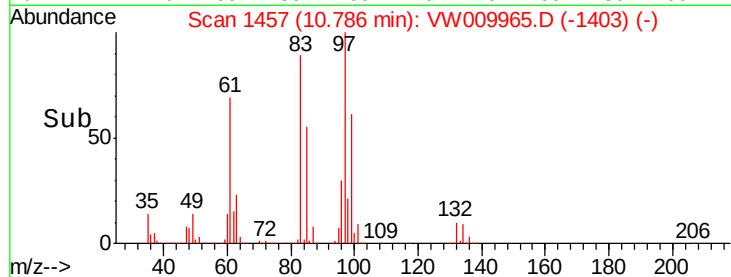
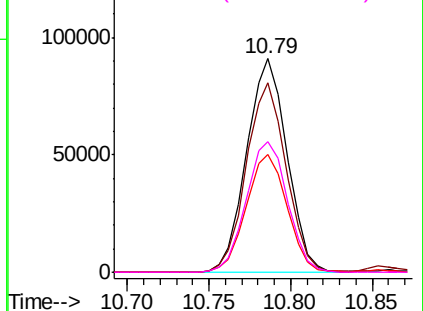
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 24.847 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009965.D
Acq: 12 Apr 2019 19:17

Tgt Ion	164	Resp	157102
Ion	Ratio	Lower	Upper
164	100		
129	94.9	68.9	127.9
131	91.0	63.1	117.1
166	126.7	88.5	164.4

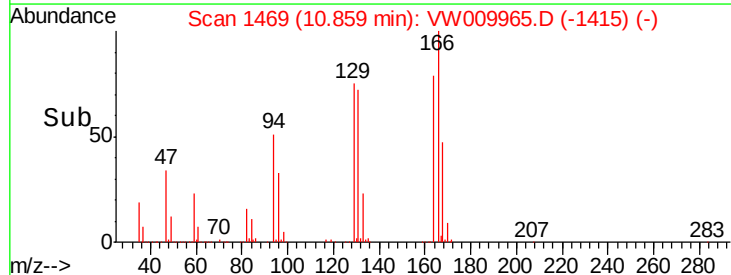
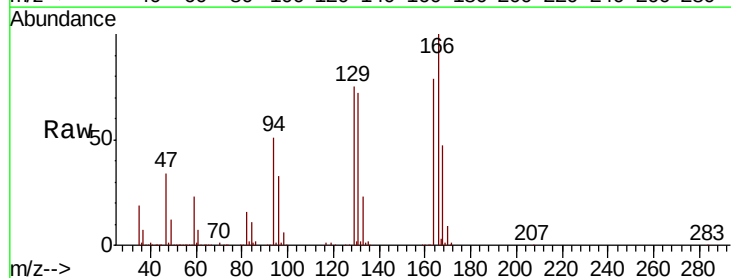
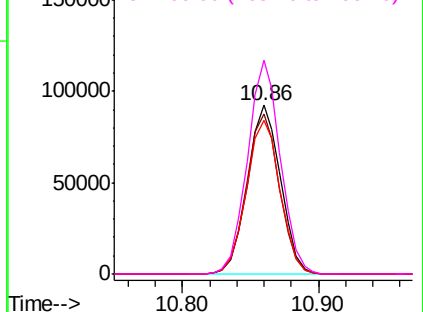
Abundance

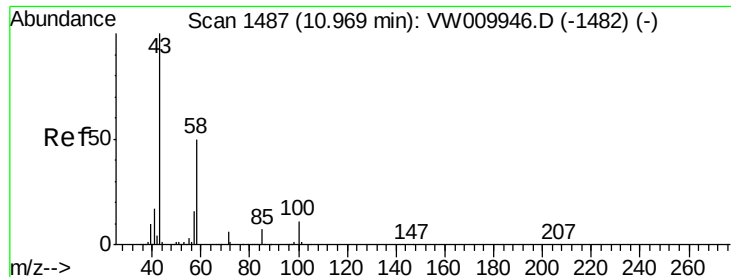
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 62.597 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 284304

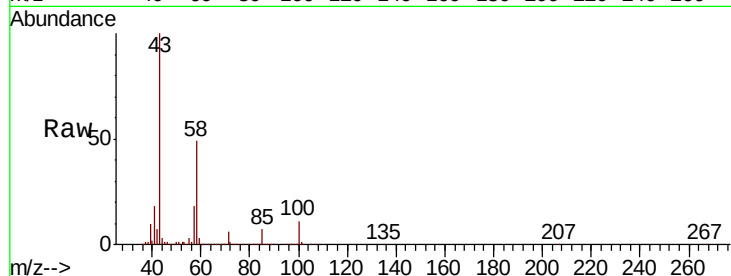
Ion Ratio Lower Upper

43 100

58 48.4 38.9 58.3

57 17.8 13.8 20.6

100 10.2 8.6 13.0

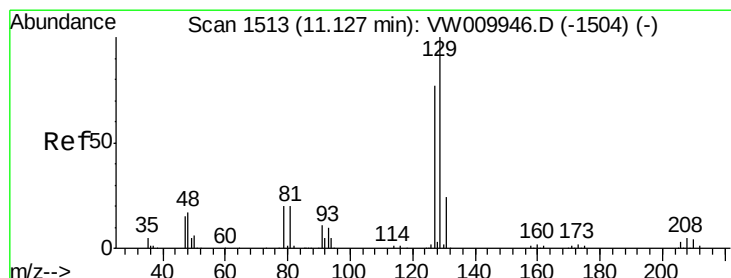
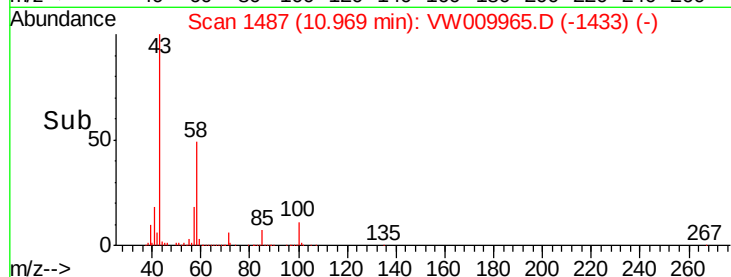
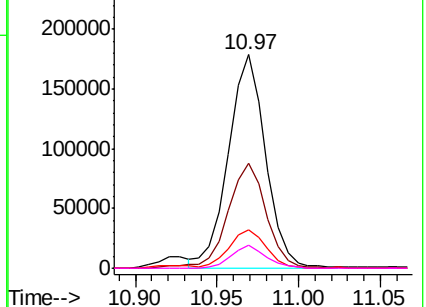


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.681 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009965.D

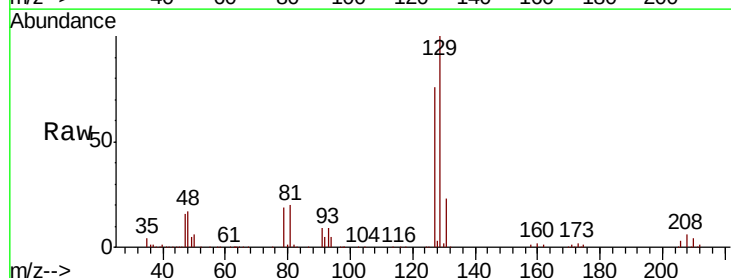
Acq: 12 Apr 2019 19:17

Tgt Ion: 129 Resp: 185967

Ion Ratio Lower Upper

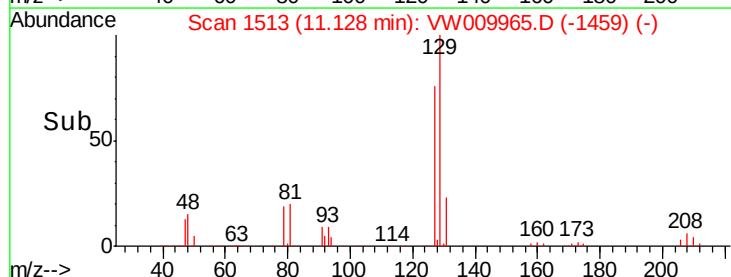
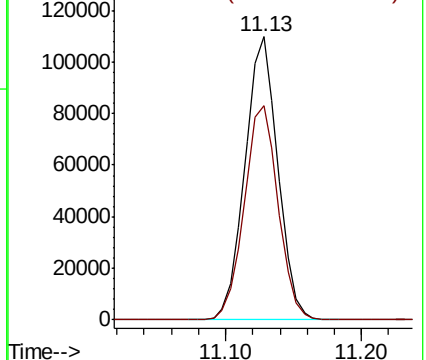
129 100

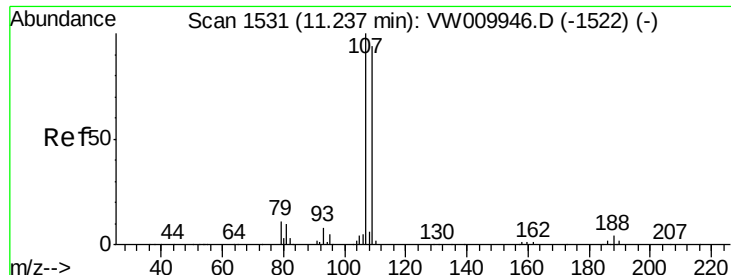
127 75.9 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

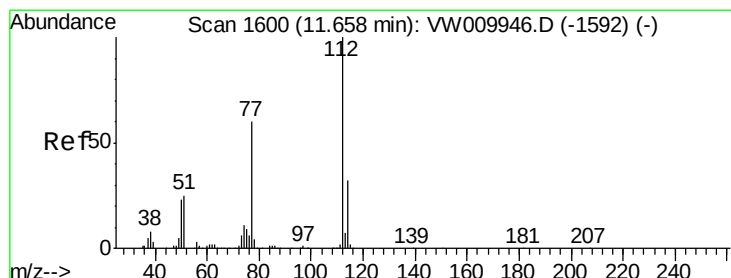
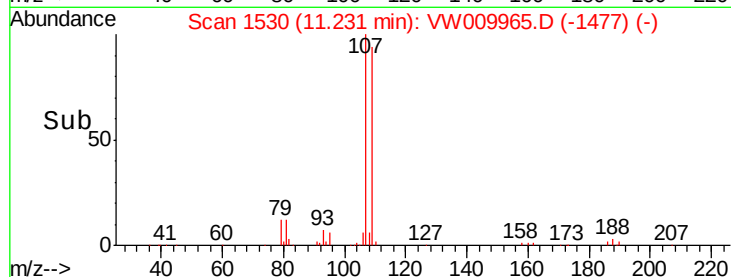
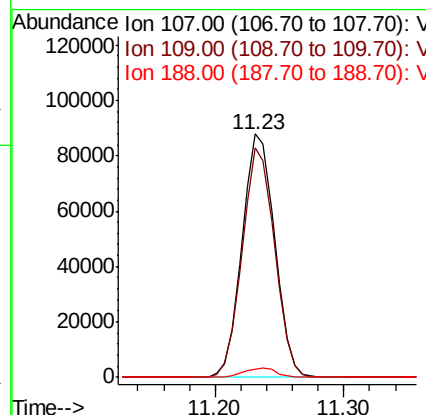
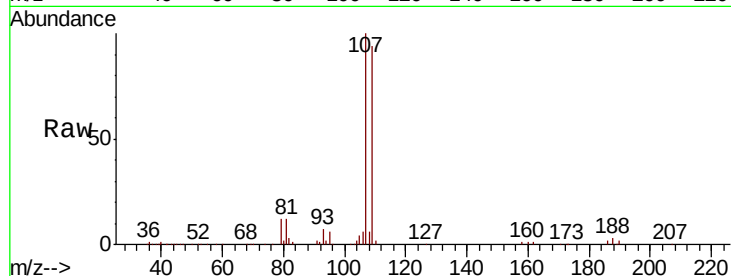




#51
 1,2-Dibromoethane
 Concen: 26.006 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009965.D
 Acq: 12 Apr 2019 19:17

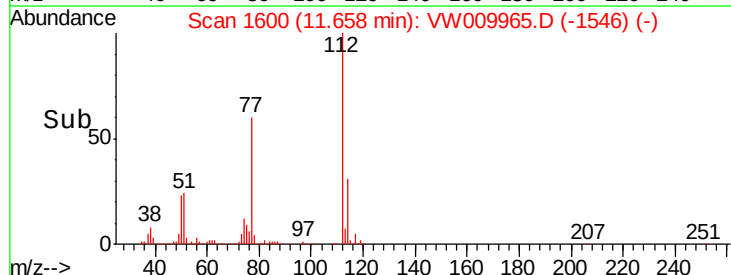
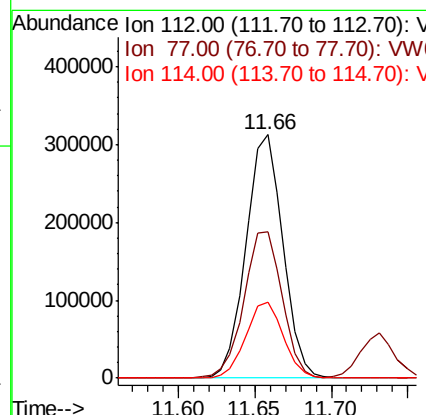
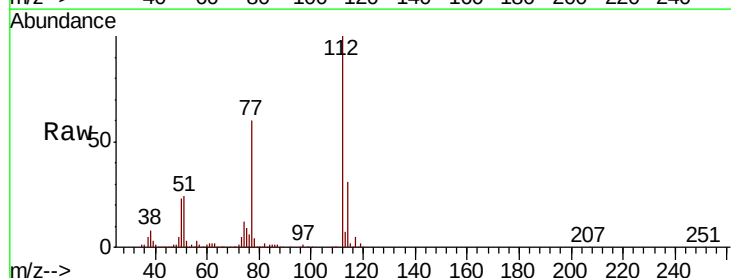
Instrument :
 MSVOA_W
 ClientSampleId :

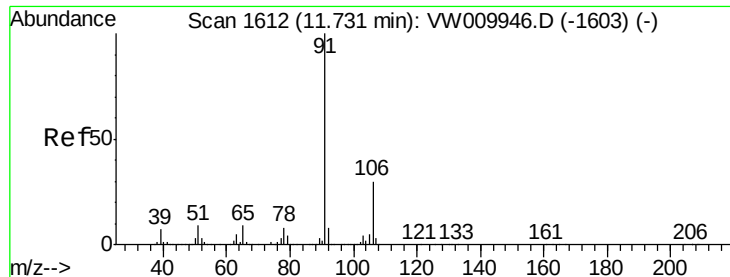
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	65.4	121.4
188	3.2	3.2	4.8



#52
 Chlorobenzene
 Concen: 25.064 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW009965.D
 Acq: 12 Apr 2019 19:17

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.3	48.2	72.2
114	31.1	23.0	42.6

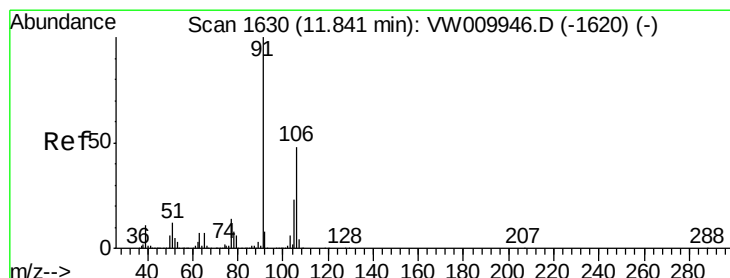
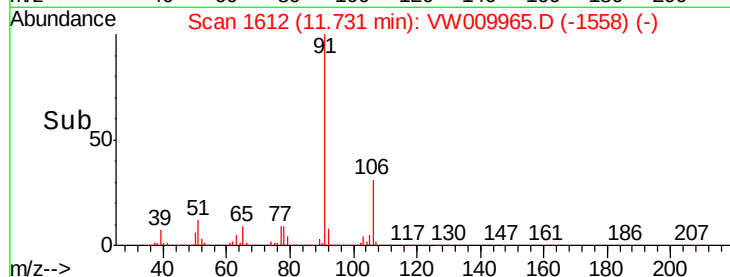
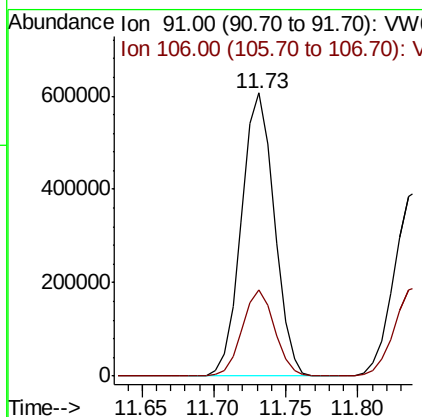
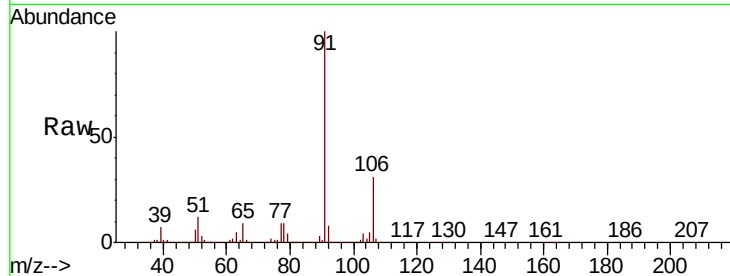




#53
Ethylbenzene
Concen: 26.037 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009965.D
Acq: 12 Apr 2019 19:17

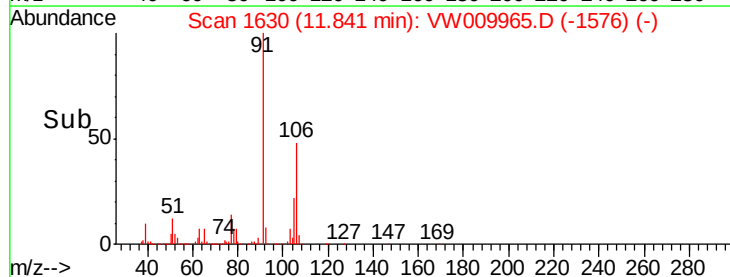
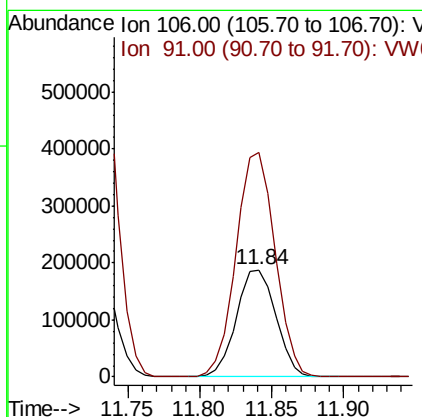
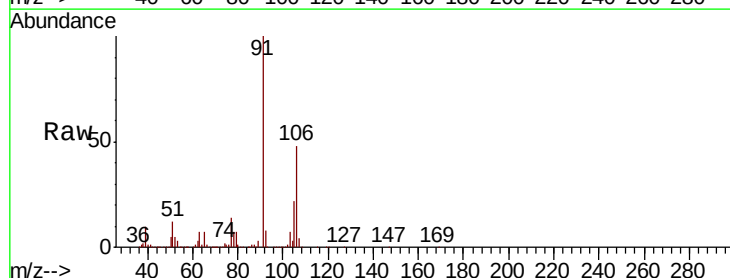
Instrument :
MSVOA_W
ClientSampleId :

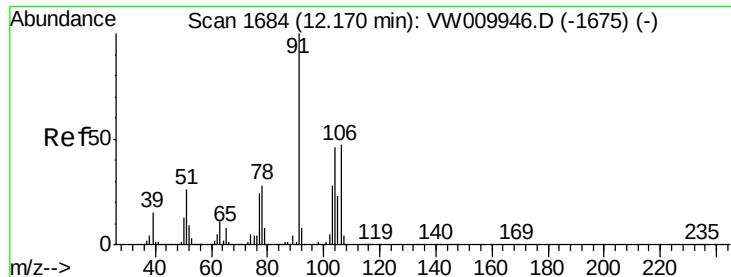
Tot Ion: 91 Resp: 963819
Ion Ratio Lower Upper
91 100
106 30.5 21.5 39.9



#54
m,p-Xylene
Concen: 26.054 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009965.D
Acq: 12 Apr 2019 19:17

Tgt Ion:106 Resp: 356724
Ion Ratio Lower Upper
106 100
91 209.9 145.3 269.9





#55

o-xylene

Concen: 25.588 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

Instrument :

MSVOA_W

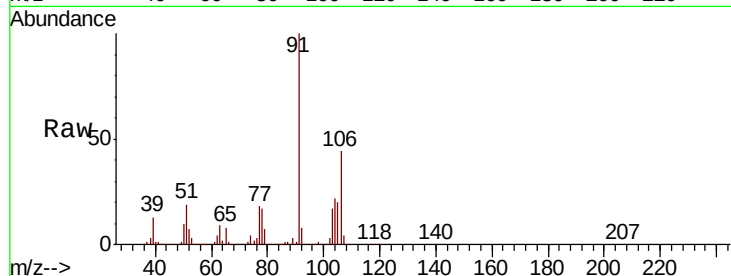
ClientSampled :

Tot Ion:106 Resp: 333662

Ion Ratio Lower Upper

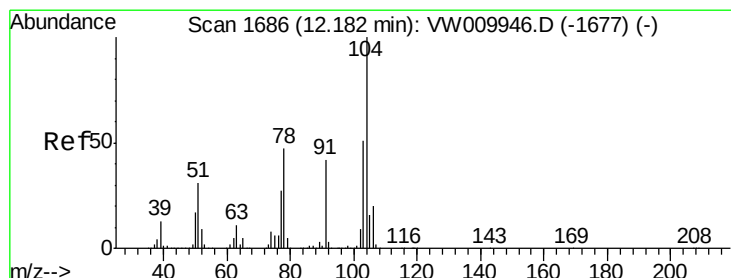
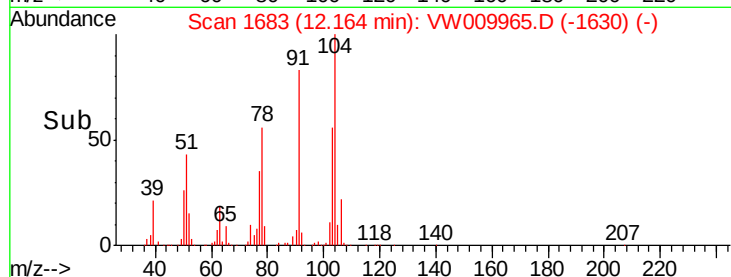
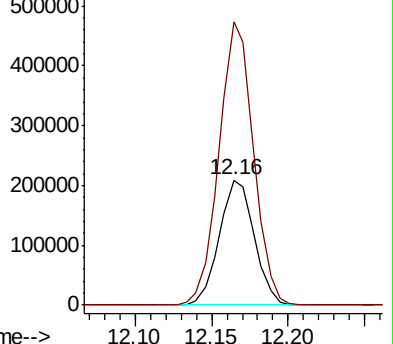
106 100

91 226.5 153.9 285.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.672 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009965.D

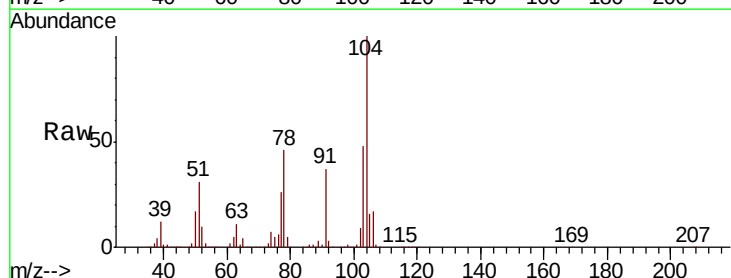
Acq: 12 Apr 2019 19:17

Tgt Ion:104 Resp: 603471

Ion Ratio Lower Upper

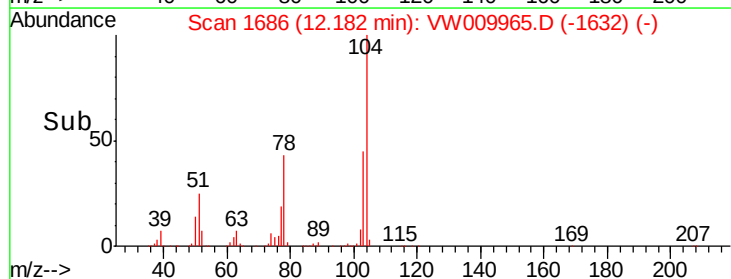
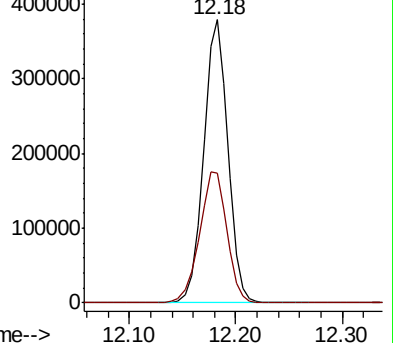
104 100

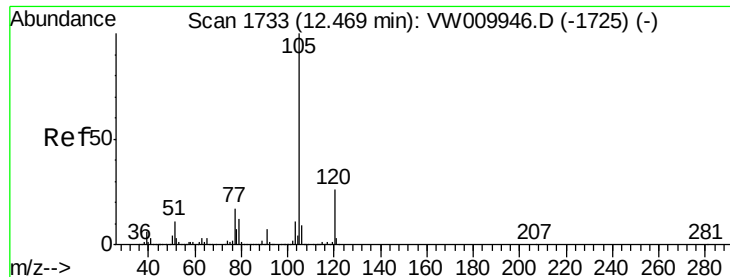
78 45.9 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.598 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

Instrument :

MSVOA_W

ClientSampleId :

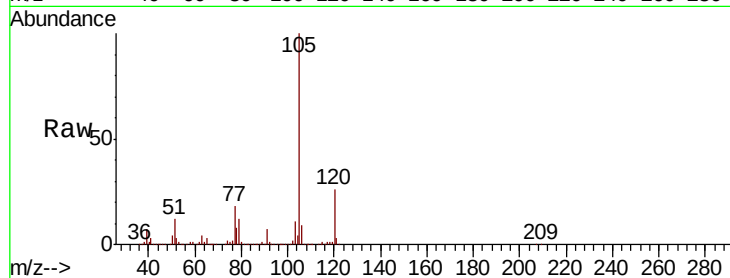
Tot Ion: 105 Resp: 949721

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

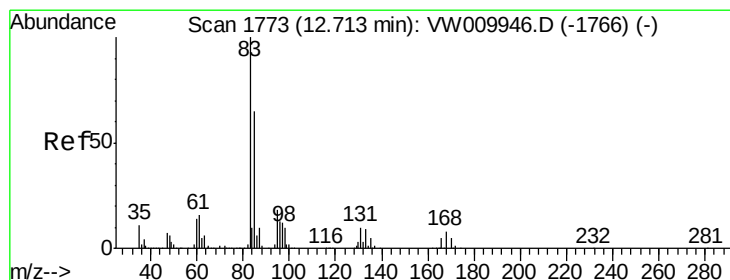
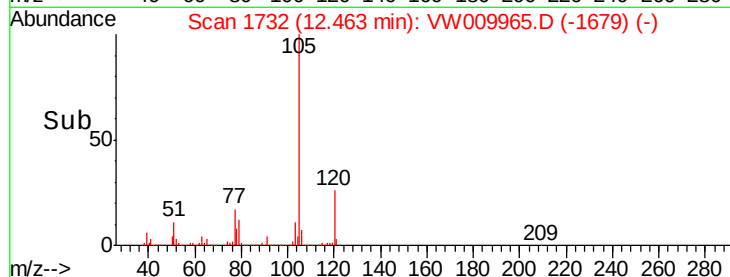
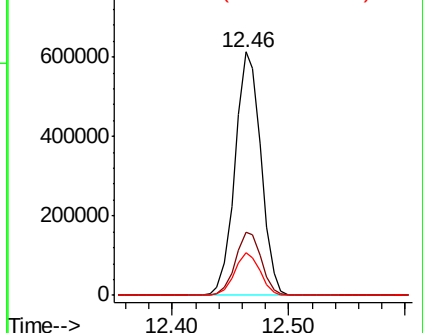
77 17.1 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.699 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

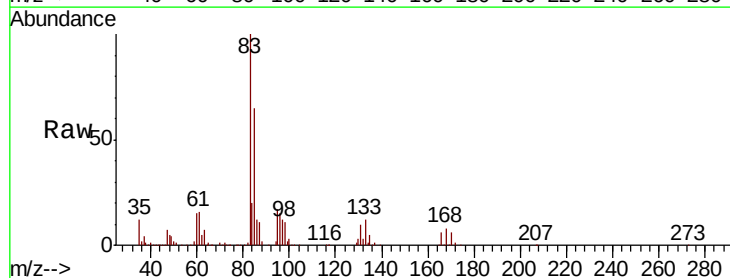
Tgt Ion: 83 Resp: 219539

Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.3

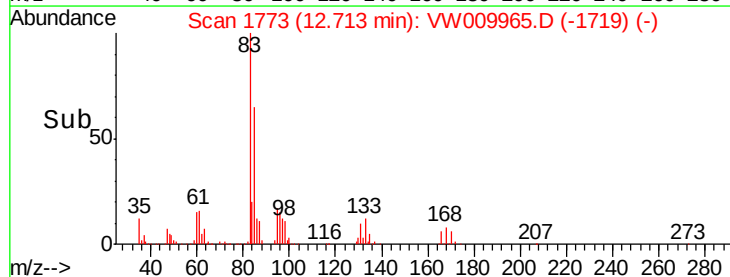
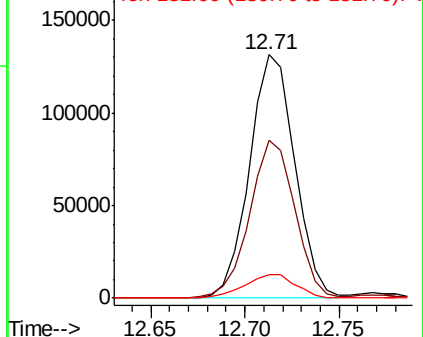
131 9.6 7.2 10.8

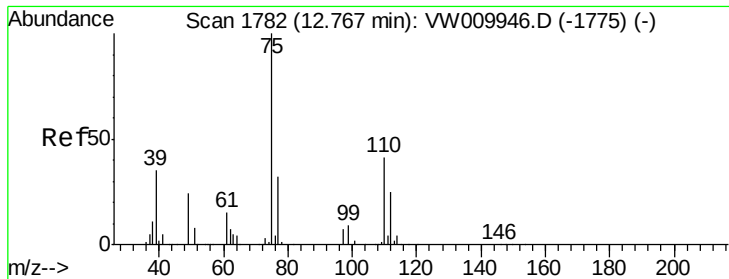


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.183 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

Instrument :

MSVOA_W

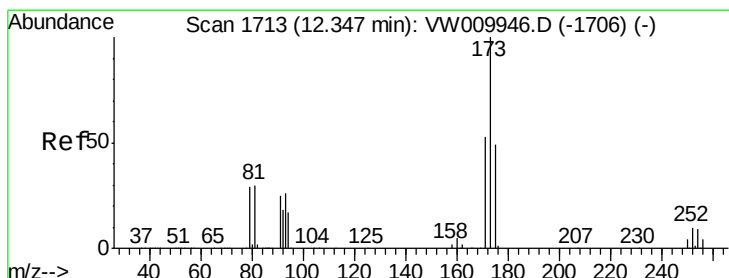
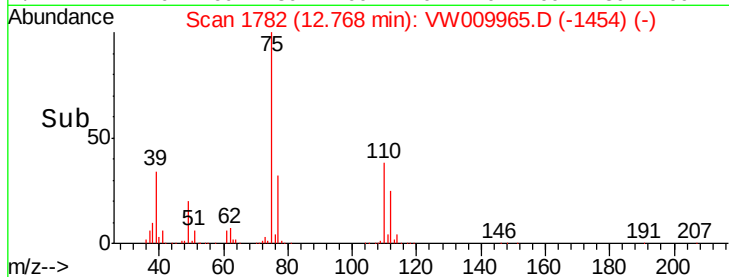
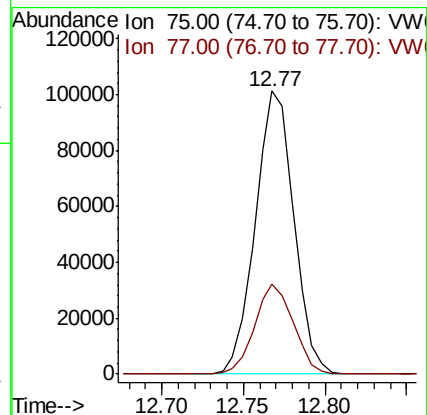
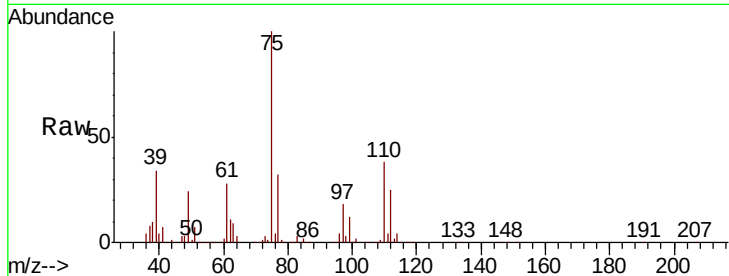
ClientSampled :

Tot Ion: 75 Resp: 166275

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2



#62

Bromoform

Concen: 24.440 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

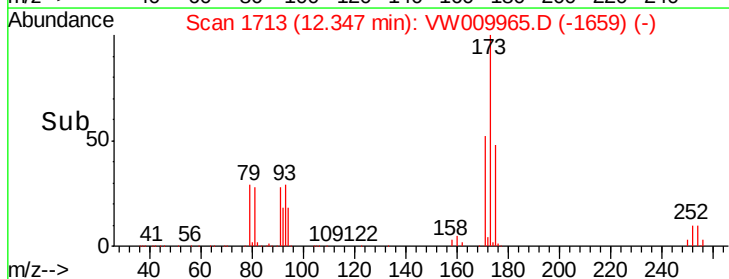
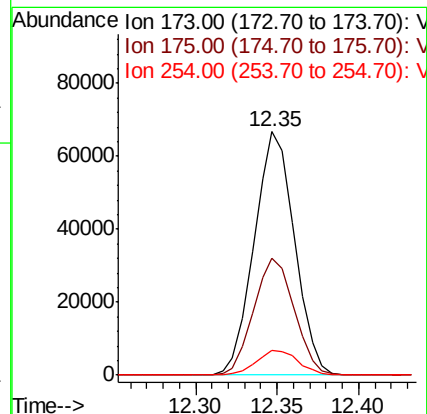
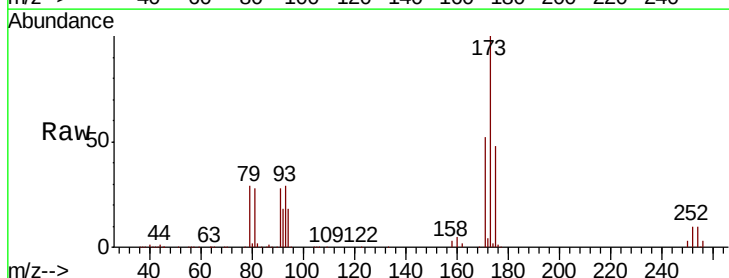
Tgt Ion:173 Resp: 114441

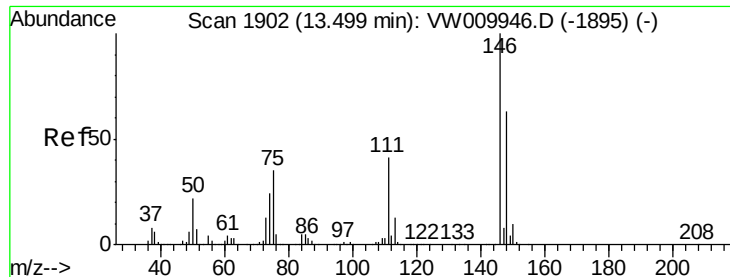
Ion Ratio Lower Upper

173 100

175 48.5 39.4 59.2

254 10.5 8.5 12.7





#63

1,3-Dichlorobenzene

Concen: 24.252 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

Instrument :

MSVOA_W

ClientSampleId :

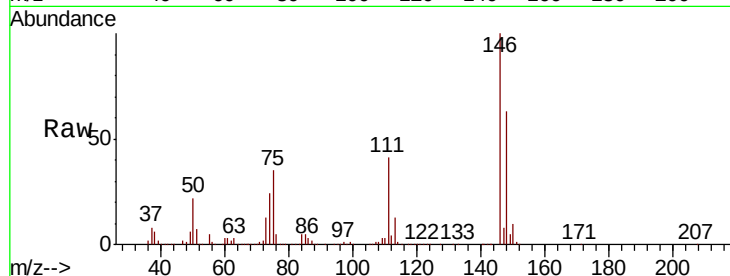
Tot Ion:146 Resp: 399548

Ion Ratio Lower Upper

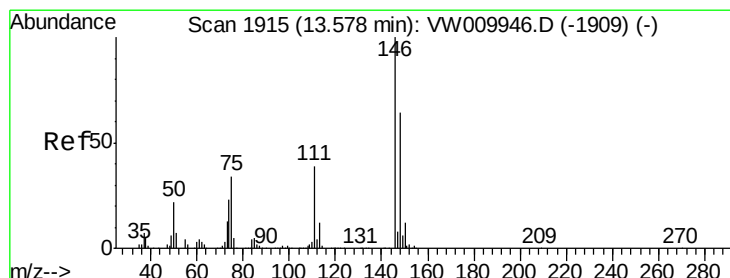
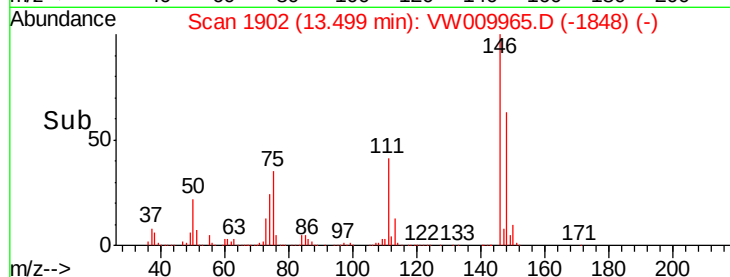
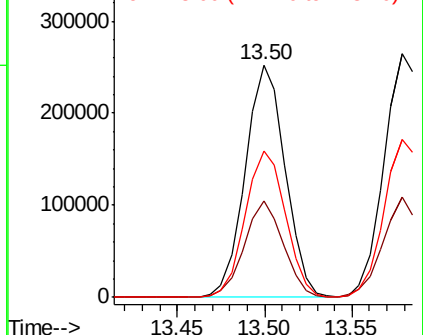
146 100

111 41.3 28.1 52.3

148 62.8 44.3 82.3



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 24.130 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

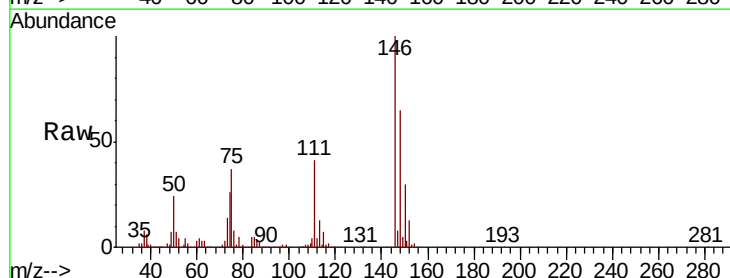
Tgt Ion:146 Resp: 423916

Ion Ratio Lower Upper

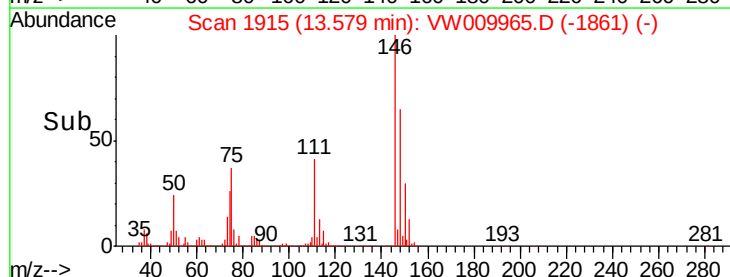
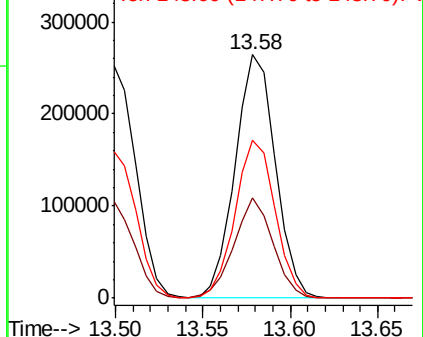
146 100

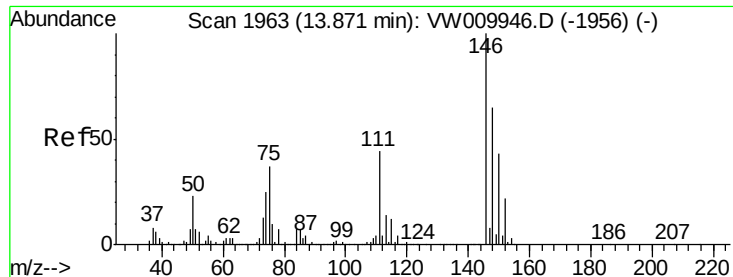
111 41.4 27.4 50.8

148 64.8 43.8 81.3



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 25.017 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

Instrument :

MSVOA_W

ClientSampleId :

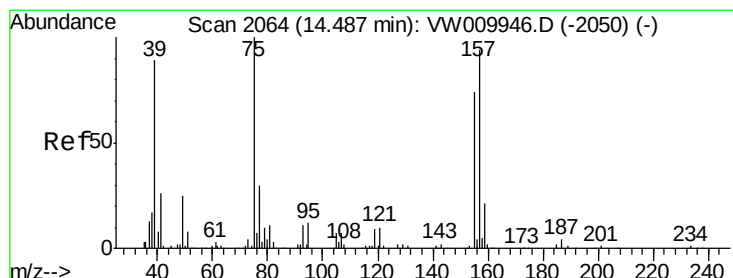
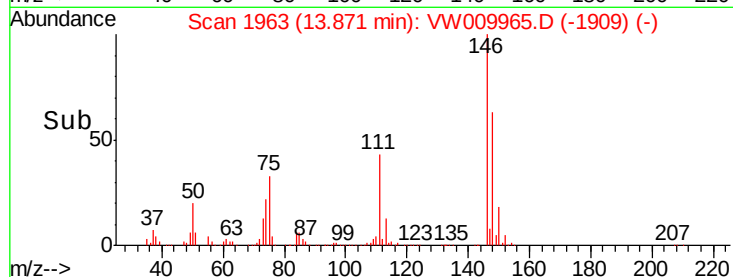
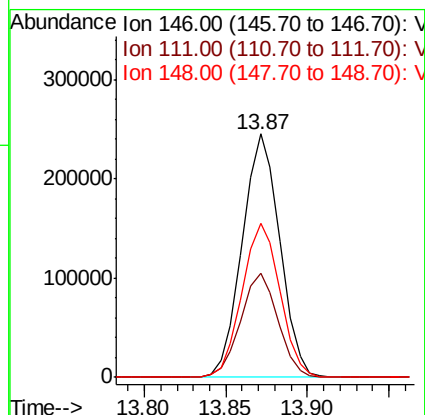
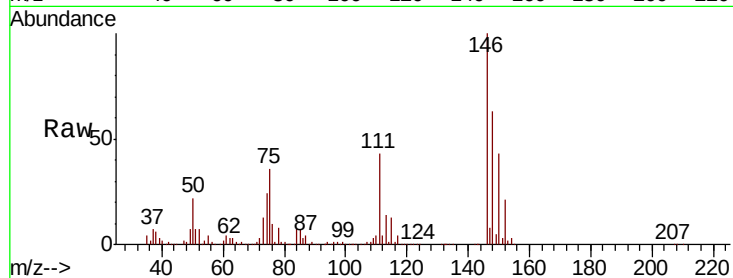
Tot Ion:146 Resp: 394290

Ion Ratio Lower Upper

146 100

111 42.9 32.4 48.6

148 63.4 50.5 75.7



#66

1,2-Dibromo-3-chloropropane

Concen: 27.187 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

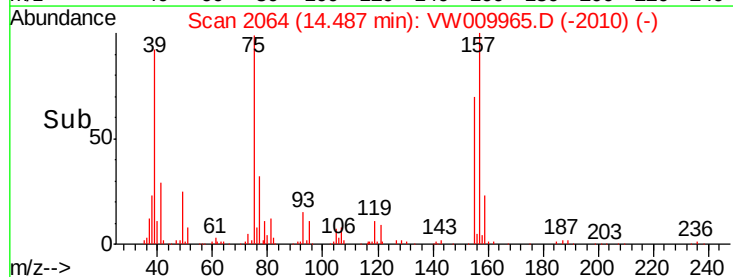
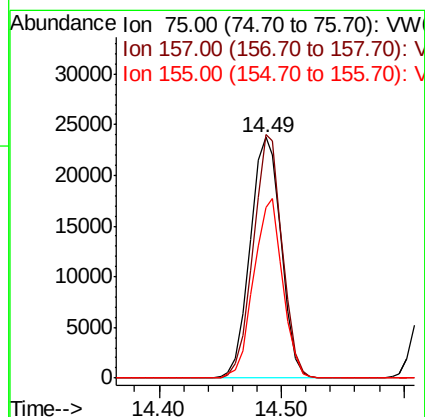
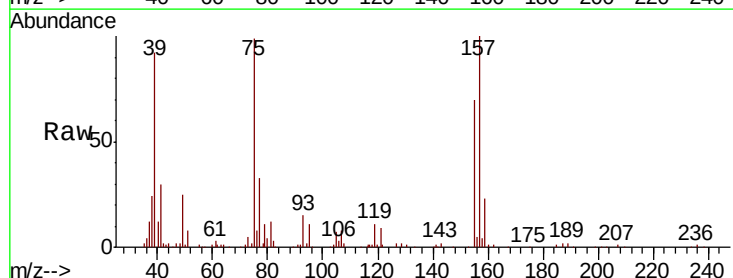
Tgt Ion: 75 Resp: 41711

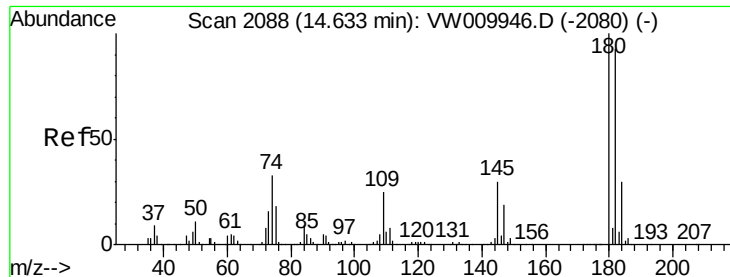
Ion Ratio Lower Upper

75 100

157 101.1 77.2 115.8

155 70.8 61.9 92.9

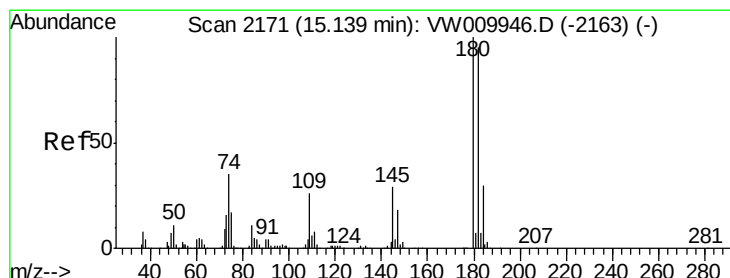
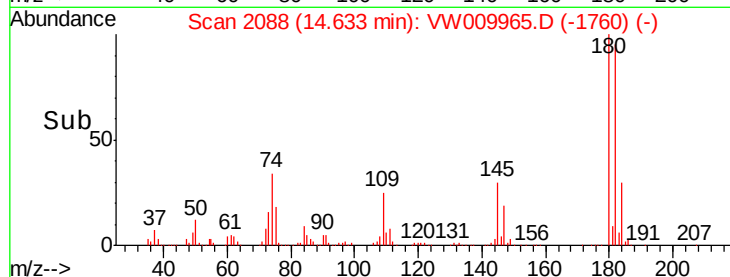
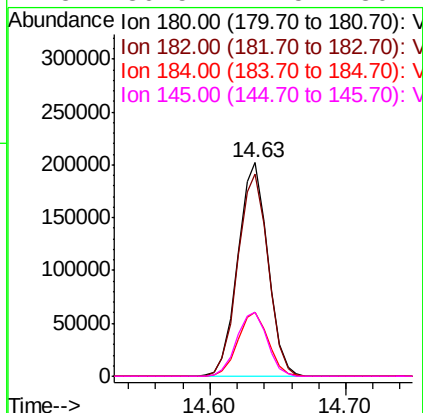
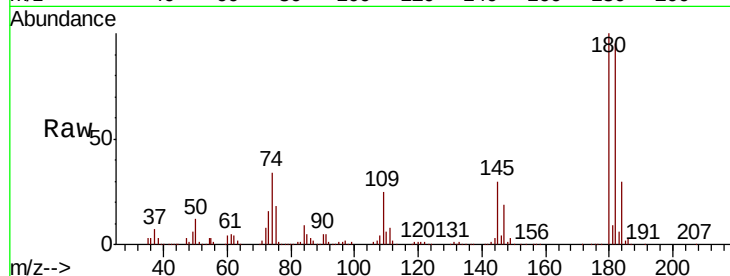




#67
 1,3,5-Trichlorobenzene
 Concen: 25.411 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009965.D
 Acq: 12 Apr 2019 19:17

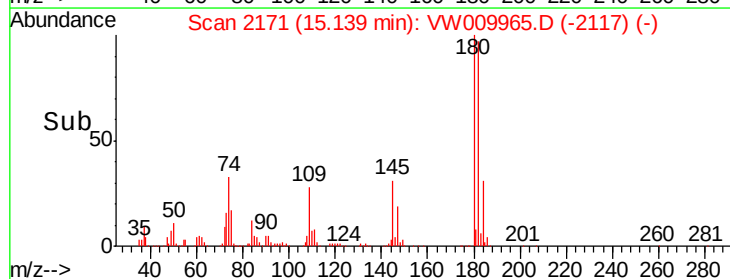
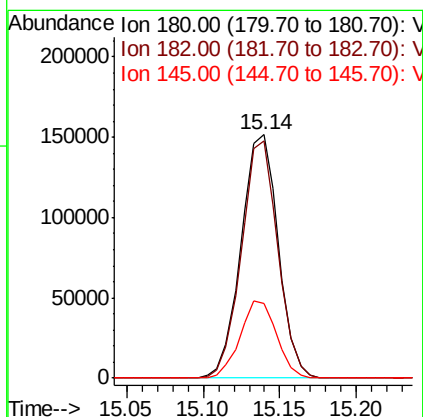
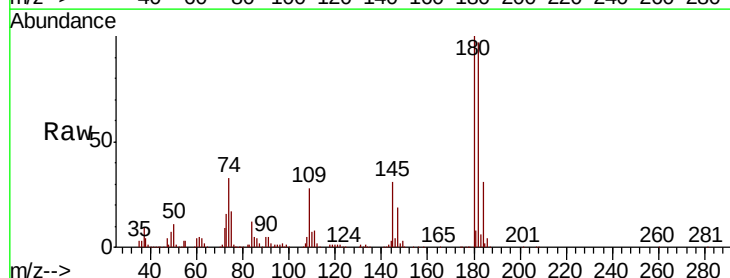
Instrument :
 MSVOA_W
 ClientSampleId :

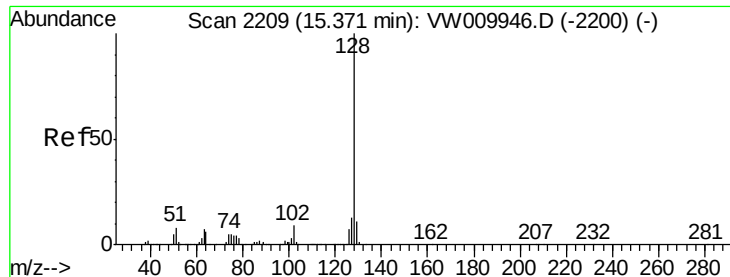
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.6
184	29.9	24.7	37.1
145	30.5	24.5	36.7



#68
 1,2,4-trichlorobenzene
 Concen: 26.014 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009965.D
 Acq: 12 Apr 2019 19:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.8	113.8
145	31.3	24.3	36.5





#69

Naphthalene

Concen: 28.850 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

Instrument :

MSVOA_W

ClientSampled :

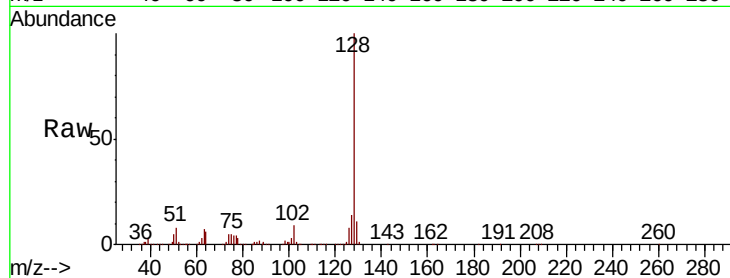
Tot Ion:128 Resp: 569216

Ion Ratio Lower Upper

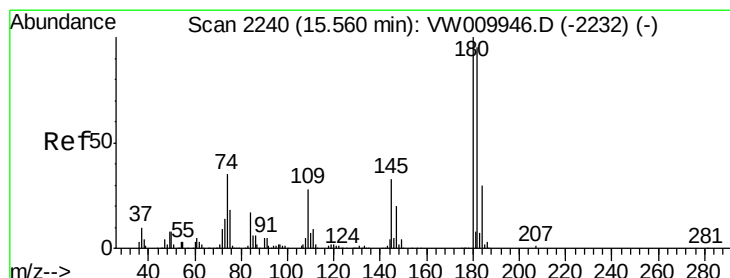
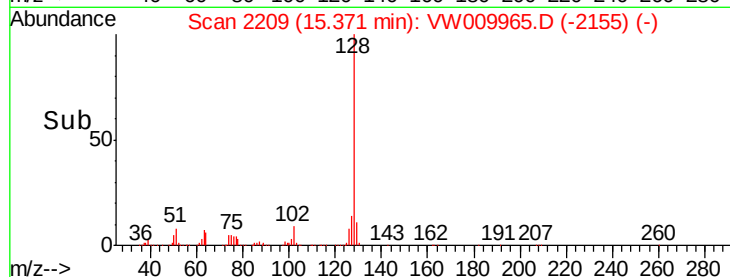
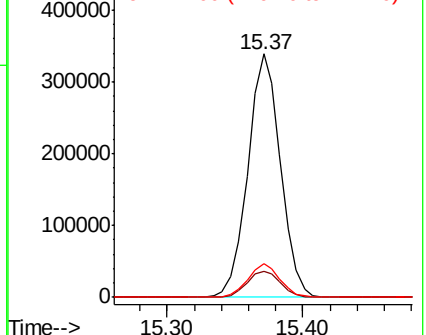
128 100

129 11.2 8.5 12.7

127 13.5 10.8 16.2



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



#70

1,2,3-Trichlorobenzene

Concen: 27.037 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009965.D

Acq: 12 Apr 2019 19:17

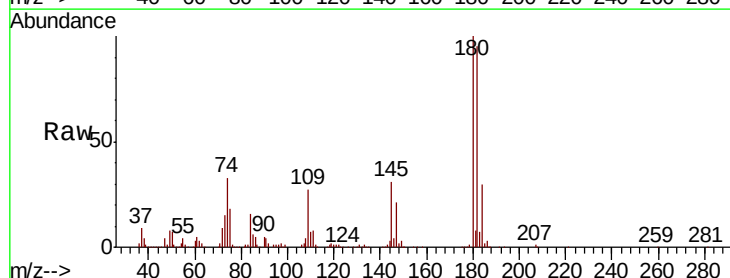
Tgt Ion:180 Resp: 248281

Ion Ratio Lower Upper

180 100

182 94.5 75.0 112.4

145 32.5 25.8 38.6



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

