

Data File : VW005523.D
Acq On : 19 Sep 2018 20:30
Operator : SY/AP
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV98

Quant Time: Sep 20 07:59:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091918S.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 17:31:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	433603	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	410597	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	212766	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	145484	31.46	ug/L	0.00
7) Chloroethane-d5	2.89	69	114597	27.72	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	314147	27.41	ug/L	0.00
20) 2-Butanone-d5	7.09	46	100144	51.32	ug/L	0.00
24) Chloroform-d	7.65	84	302569	28.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	182369	28.50	ug/L	0.00
29) Benzene-d6	8.28	84	601719	27.54	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	183805	27.40	ug/L	0.00
37) Toluene-d8	10.33	98	571678	28.09	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	85827	28.01	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	82837	53.75	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	162668	27.55	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	204174	27.40	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	148237	27.593	ug/L	96
3) Chloromethane	2.21	50	144125	23.783	ug/L	100
5) Vinyl chloride	2.37	62	155203	30.829	ug/L	98
6) Bromomethane	2.78	94	90118	25.362	ug/L	100
8) Chloroethane	2.93	64	89106	24.915	ug/L	99
9) Trichlorofluoromethane	3.26	101	123933	23.368	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	140473	25.304	ug/L	98
12) 1,1-Dichloroethene	4.03	96	129357	25.475	ug/L	91
13) Acetone	4.12	43	69137	38.082	ug/L	98
14) Carbon disulfide	4.37	76	411549	26.401	ug/L	98
15) Methyl Acetate	4.67	43	81938	23.701	ug/L	100
16) Methylene chloride	4.92	84	144408	21.529	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	211667	25.296	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	138189	25.027	ug/L	98
19) 1,1-Dichloroethane	6.21	63	265695	24.755	ug/L	98
21) 2-Butanone	7.18	43	106570	43.642	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	152739	24.910	ug/L	97
23) Bromochloromethane	7.51	128	67565	25.158	ug/L	98
25) Chloroform	7.68	83	274278	25.348	ug/L	99
27) 1,2-Dichloroethane	8.40	62	201009	25.722	ug/L	100
30) Cyclohexane	7.96	56	260346	25.412	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	230232	25.341	ug/L	100
32) Carbon tetrachloride	8.07	117	221941	25.733	ug/L	99
34) Benzene	8.32	78	602667	25.105	ug/L	100
35) Trichloroethene	9.09	95	153201	24.770	ug/L	100
36) Methylcyclohexane	9.34	83	282156	25.047	ug/L	99
40) 1,2-Dichloropropane	9.37	63	156698	24.862	ug/L	100
41) Bromodichloromethane	9.65	83	195905	25.448	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	235502	25.332	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	237201	48.261	ug/L	99

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	639459	25.380	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	215566	25.700	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	113954	24.658	ug/L	97
47) Tetrachloroethene	10.87	164	126916	24.997	ug/L	97
49) 2-Hexanone	10.98	43	174221	49.316	ug/L	99
50) Dibromochloromethane	11.13	129	133717	24.588	ug/L	90
51) 1,2-Dibromoethane	11.24	107	111449	25.401	ug/L	100
52) Chlorobenzene	11.66	112	408899	24.956	ug/L	97
53) Ethylbenzene	11.74	91	750467	25.617	ug/L	99
54) m,p-Xylene	11.85	106	277425	25.767	ug/L	97
55) o-xylene	12.17	106	262127	25.603	ug/L	99
56) Styrene	12.18	104	467044	26.393	ug/L	94
57) Isopropylbenzene	12.47	105	742787	25.873	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	153127	24.765	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	119289	24.717	ug/L	99
62) Bromoform	12.35	173	88108	25.052	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	328288	24.819	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	338947	24.841	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	312621	25.229	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	28334	23.694	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	260008	25.170	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	217126	25.496	ug/L	99
69) Naphthalene	15.38	128	445778	25.212	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	199652	25.293	ug/L	99

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

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Instrument :
MSVOA_W
ClientSampleId :
VICV98

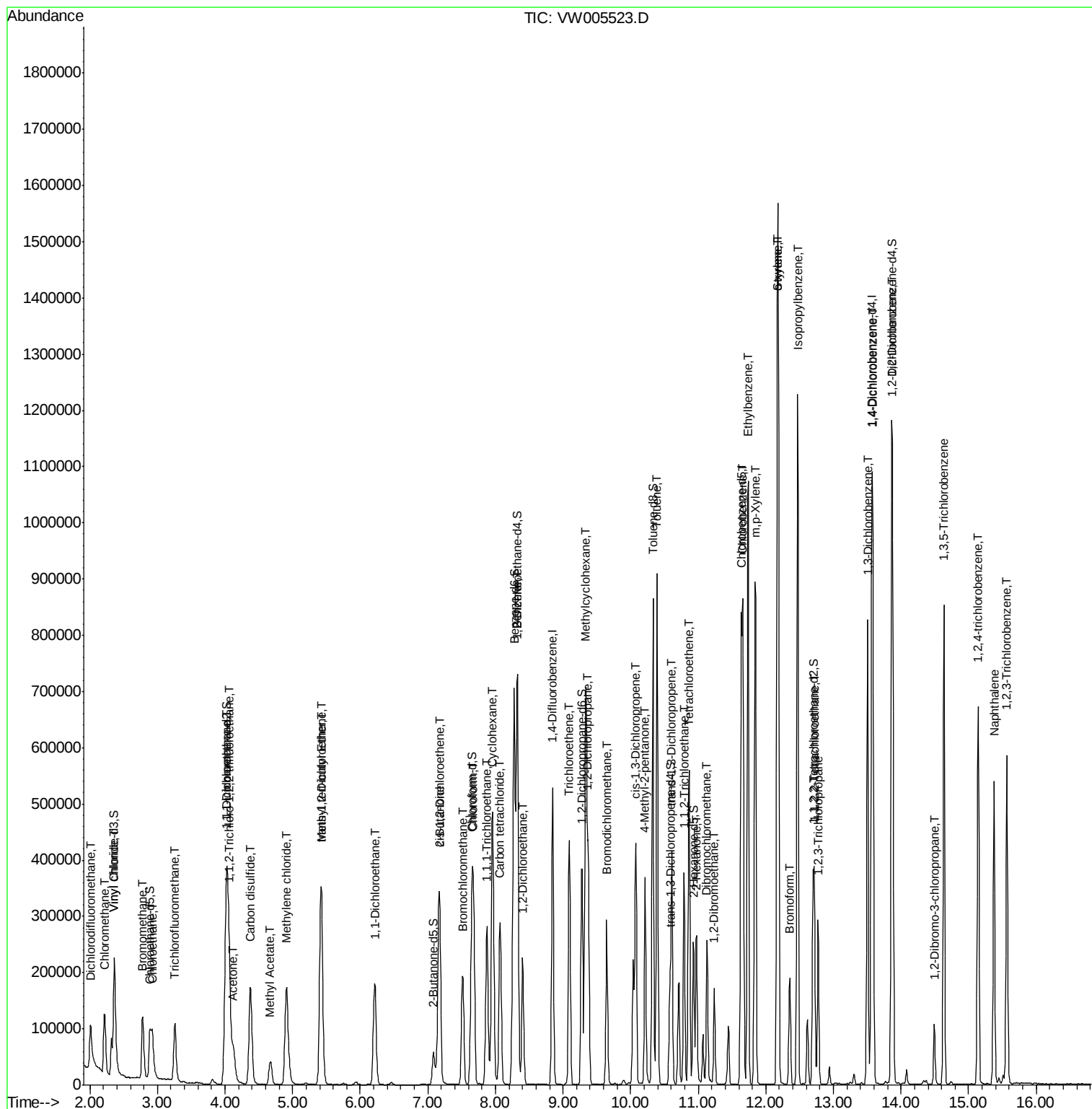
Quant Time: Sep 20 07:59:55 2018

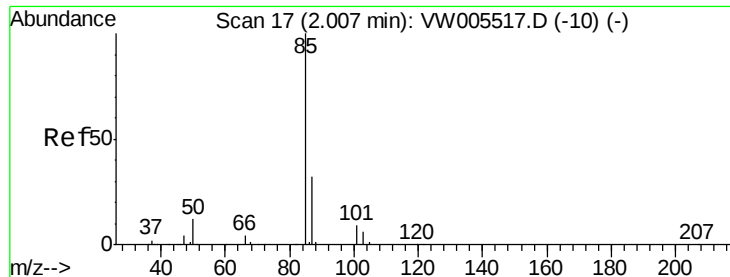
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091918S.M

Quant Title : VOC Analysis

QLast Update : Wed Sep 19 17:31:20 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 27.593 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

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Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

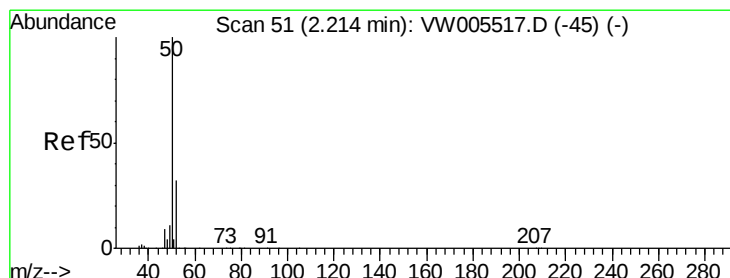
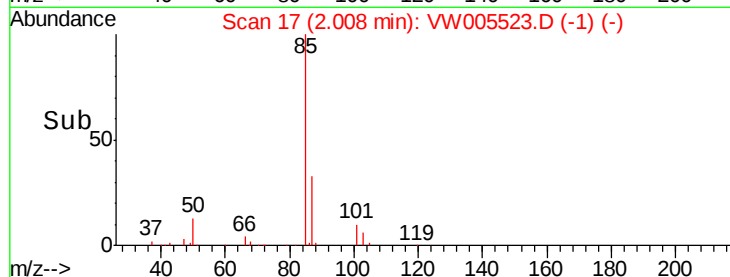
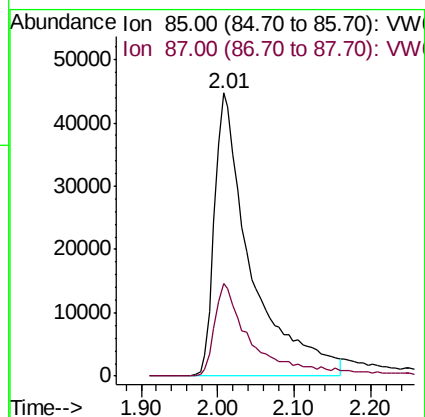
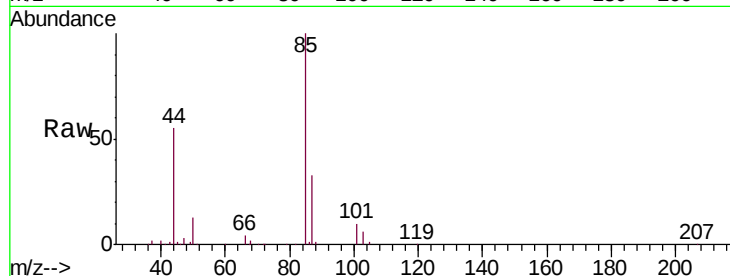
VICV98

Tgt Ion: 85 Resp: 148237

Ion Ratio Lower Upper

85 100

87 28.2 21.2 39.4



#3

Chloromethane

Concen: 23.783 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005523.D

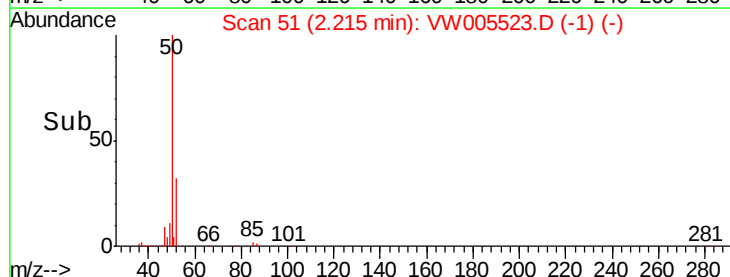
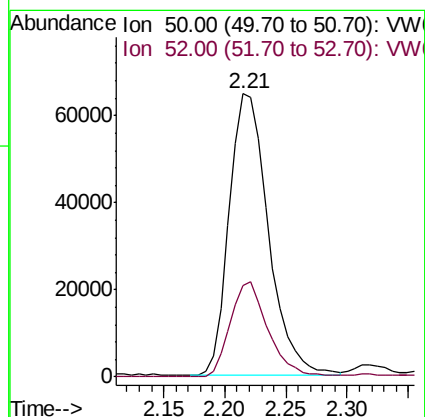
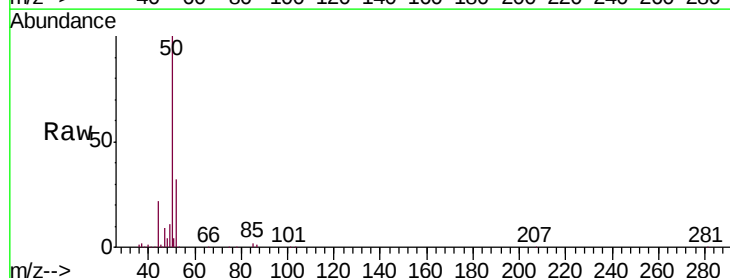
Acq: 19 Sep 2018 20:30

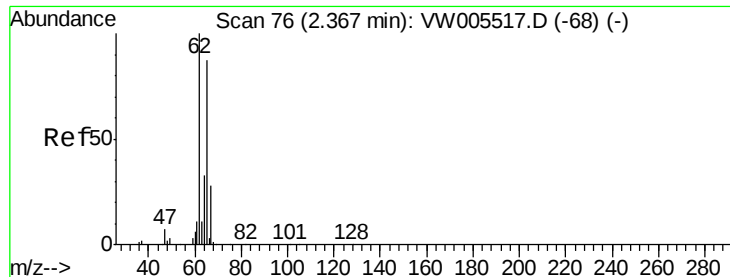
Tgt Ion: 50 Resp: 144125

Ion Ratio Lower Upper

50 100

52 32.1 22.4 41.6





#5

Vinyl chloride

Concen: 30.829 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

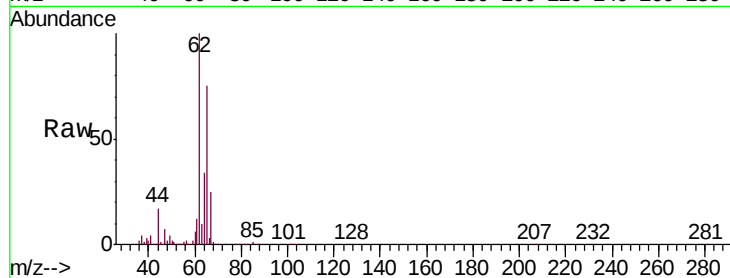
VICV98

Tgt Ion: 62 Resp: 155203

Ion Ratio Lower Upper

62 100

64 33.5 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.37

80000

60000

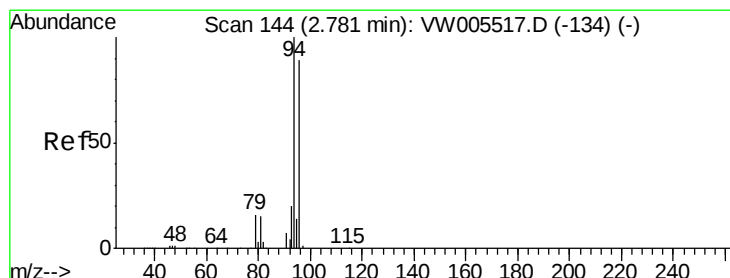
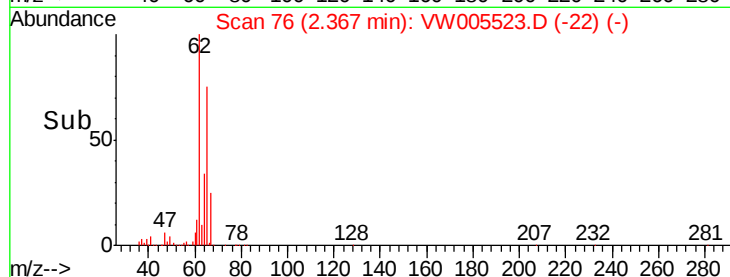
40000

20000

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Time-->

2.30 2.40 2.50



#6

Bromomethane

Concen: 25.362 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW005523.D

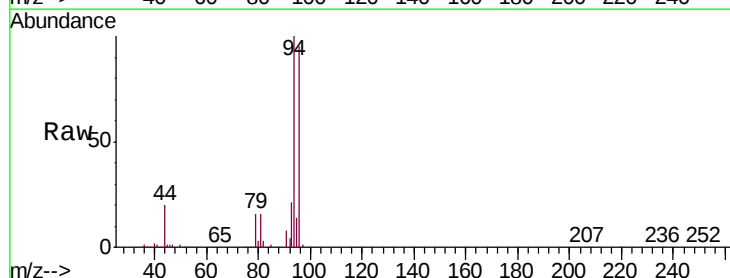
Acq: 19 Sep 2018 20:30

Tgt Ion: 94 Resp: 90118

Ion Ratio Lower Upper

94 100

96 94.2 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.78

40000

30000

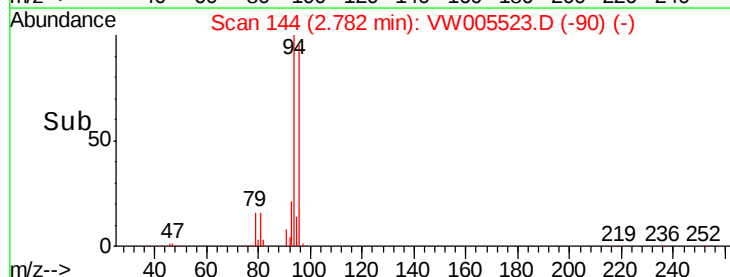
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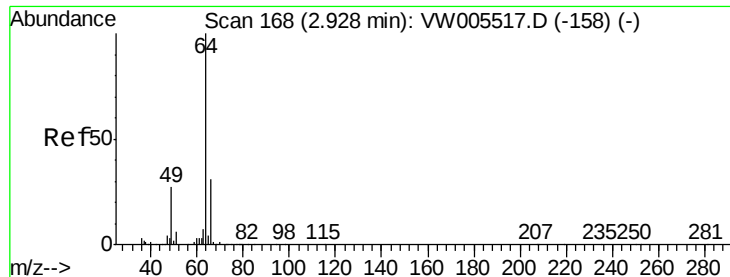
10000

0

Time-->

2.70 2.80 2.90





#8

Chloroethane

Concen: 24.915 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

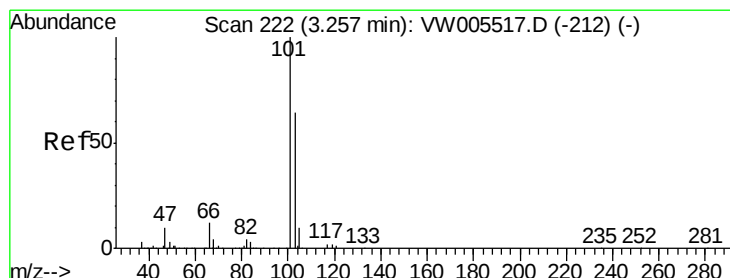
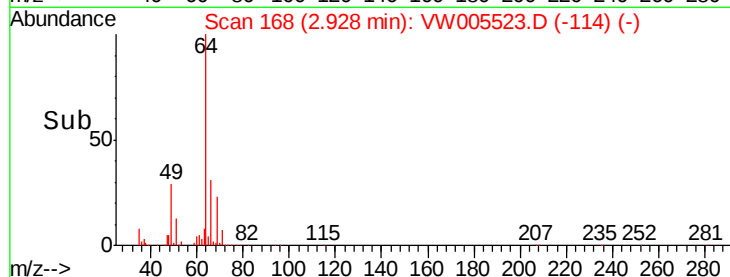
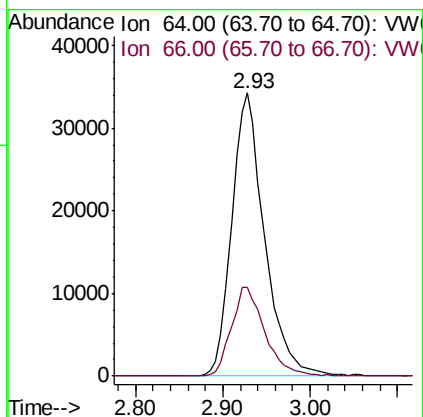
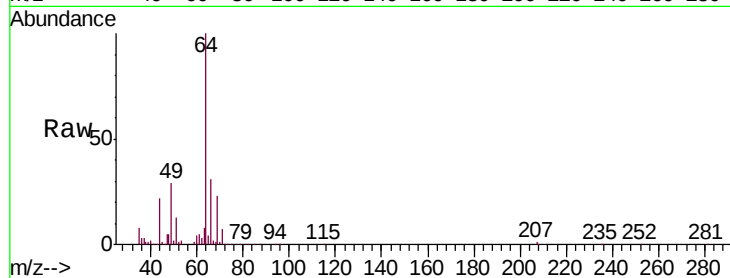
VICV98

Tgt Ion: 64 Resp: 89106

Ion Ratio Lower Upper

64 100

66 31.2 21.5 39.9



#9

Trichlorofluoromethane

Concen: 23.368 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW005523.D

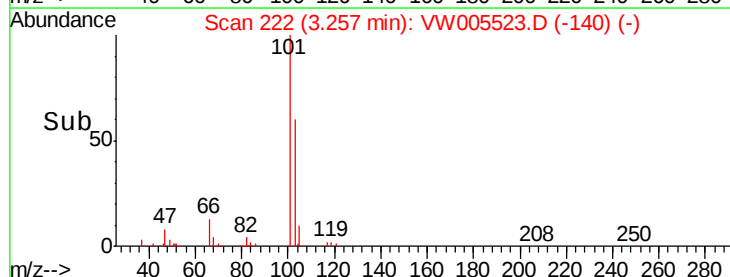
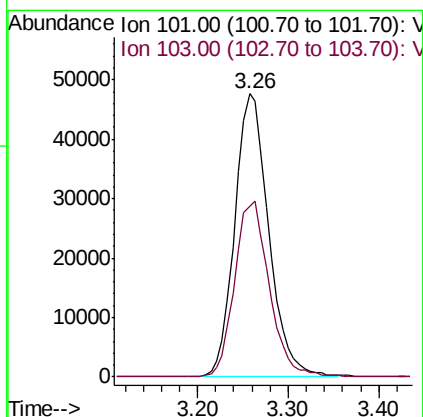
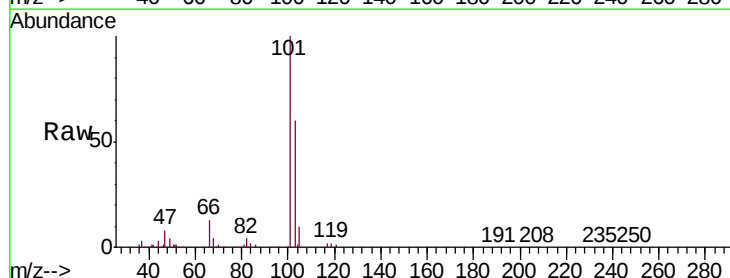
Acq: 19 Sep 2018 20:30

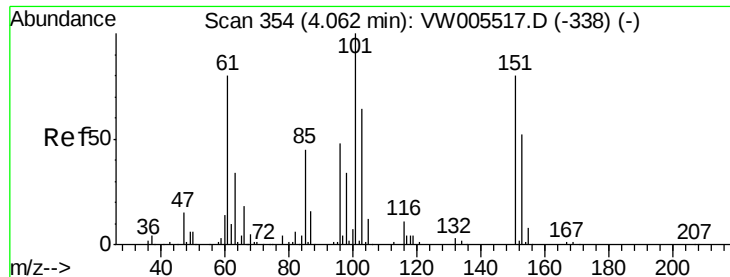
Tgt Ion: 101 Resp: 123933

Ion Ratio Lower Upper

101 100

103 63.5 45.3 84.1





#11

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

Concen: 25.304 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampled :

VICV98

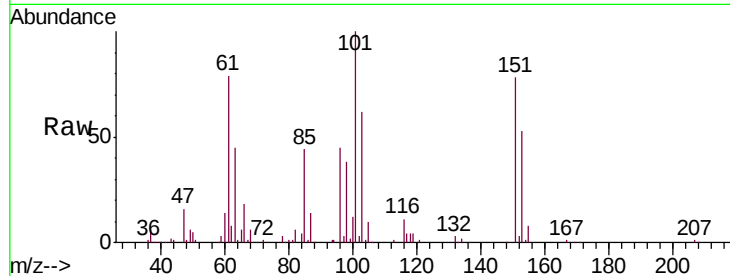
Tgt Ion:101 Resp: 140473

Ion Ratio Lower Upper

101 100

85 41.5 34.7 52.1

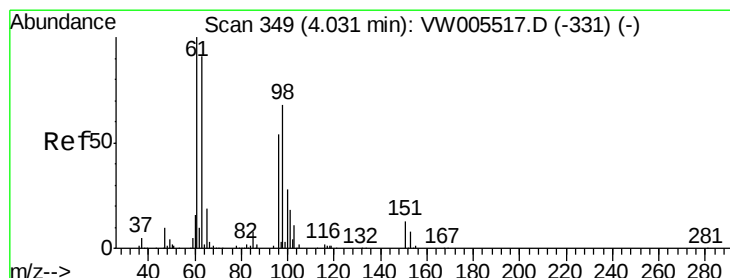
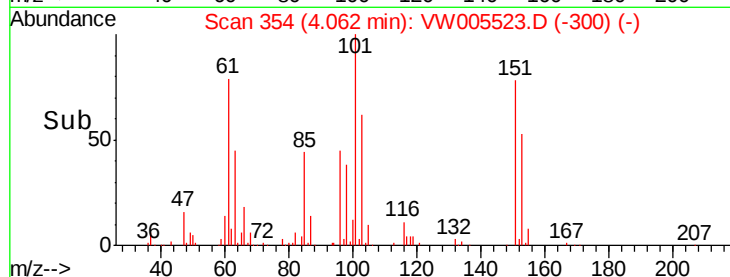
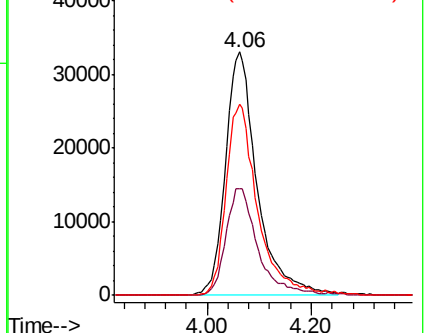
151 77.5 61.1 91.7



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: 25.475 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

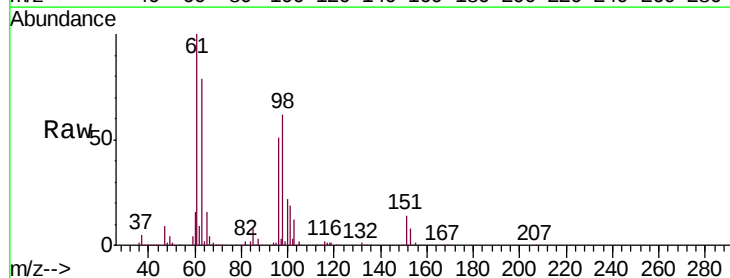
Tgt Ion: 96 Resp: 129357

Ion Ratio Lower Upper

96 100

61 194.9 129.5 240.5

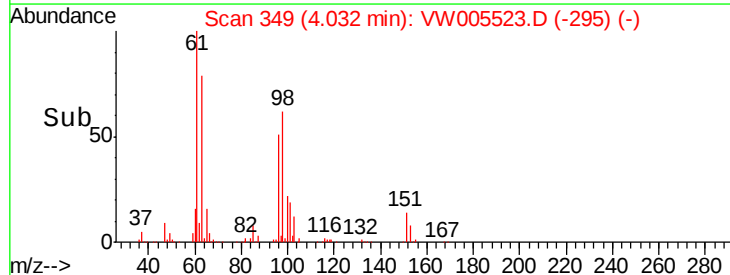
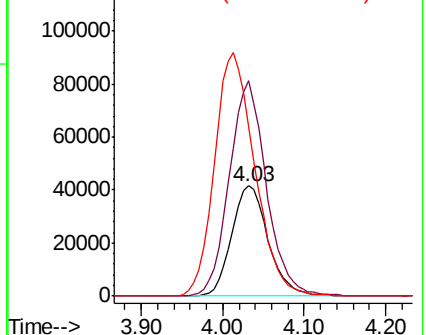
63 153.0 117.5 218.3

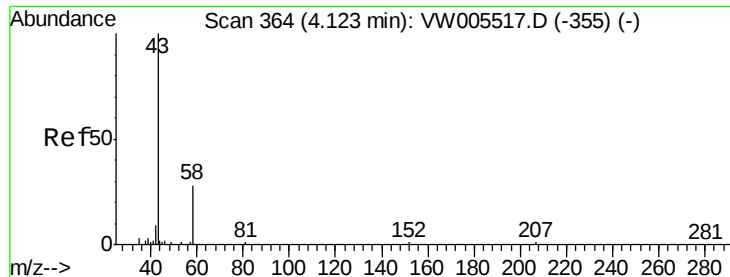


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 38.082 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampled :

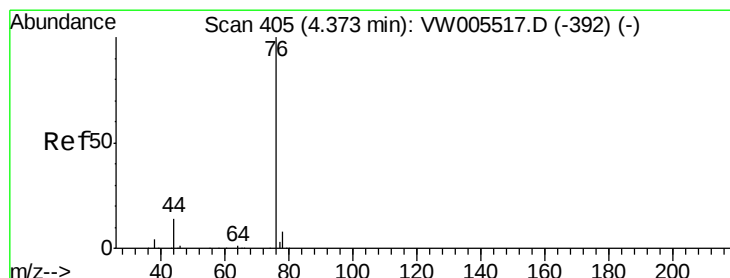
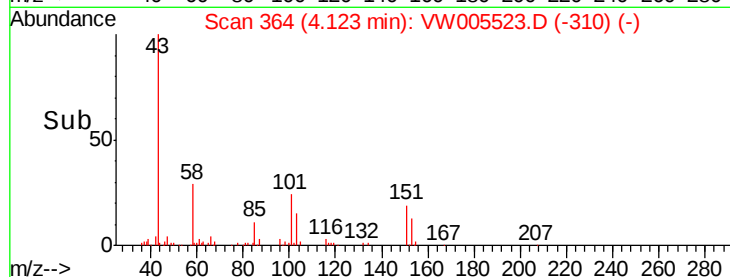
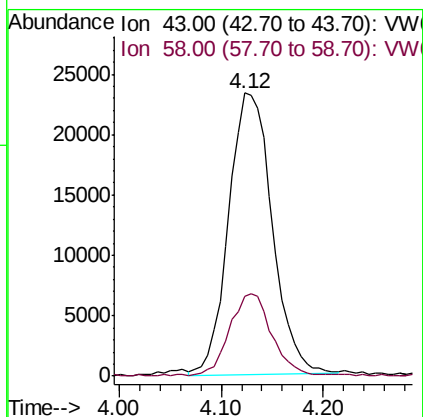
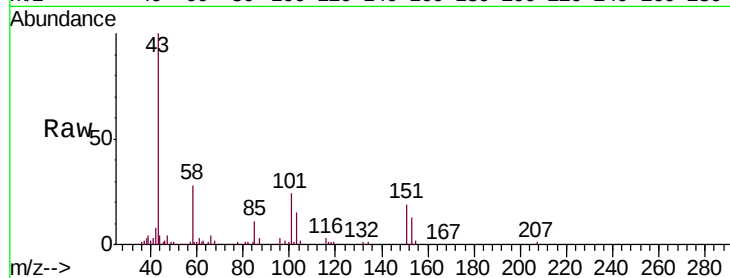
VICV98

Tgt Ion: 43 Resp: 69137

Ion Ratio Lower Upper

43 100

58 28.4 0.0 59.2



#14

Carbon disulfide

Concen: 26.401 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW005523.D

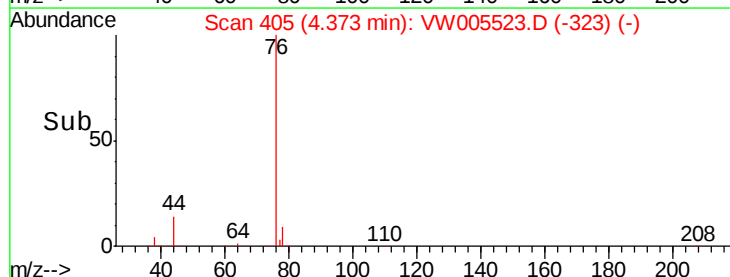
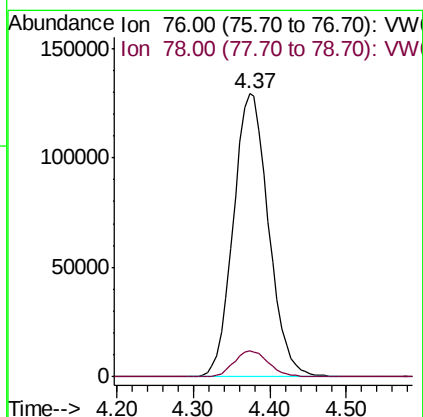
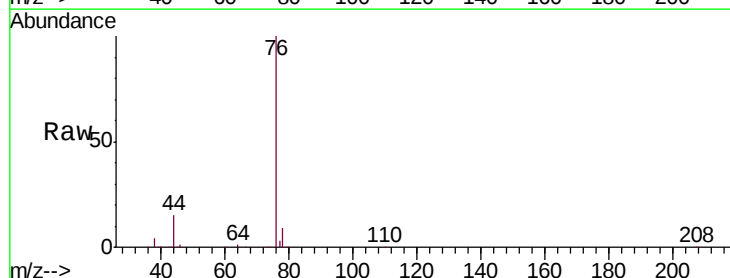
Acq: 19 Sep 2018 20:30

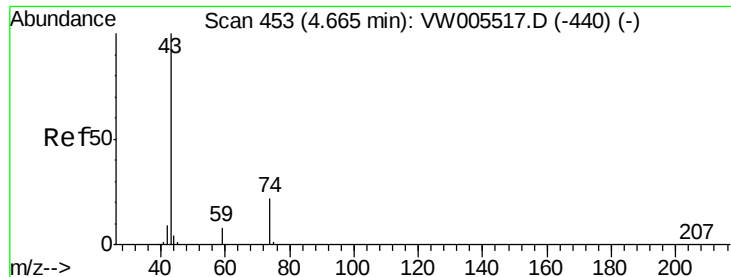
Tgt Ion: 76 Resp: 411549

Ion Ratio Lower Upper

76 100

78 9.2 6.7 10.1

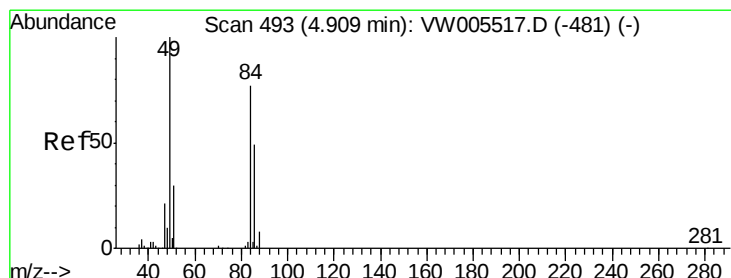
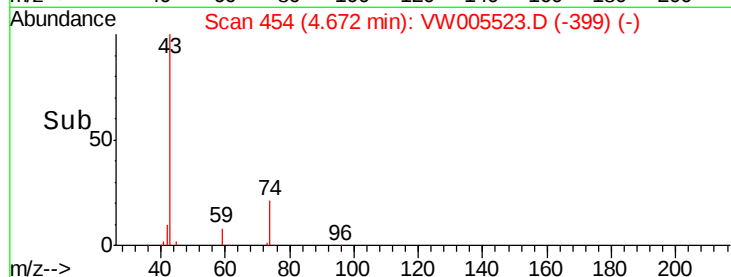
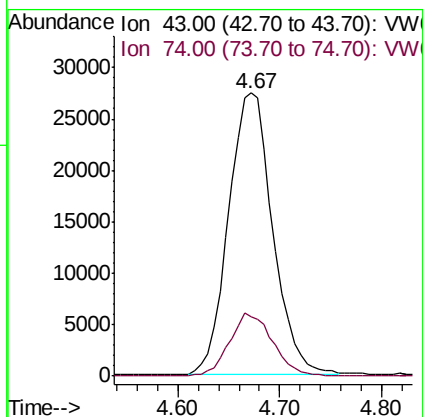
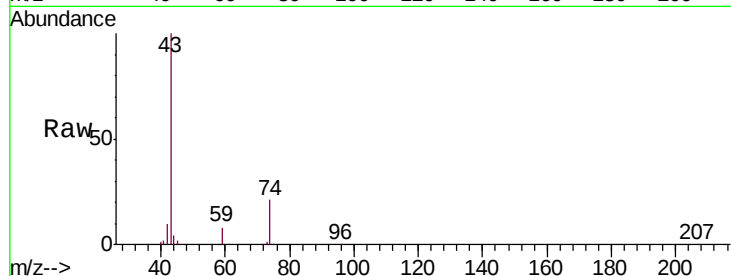




#15
Methyl Acetate
Concen: 23.701 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

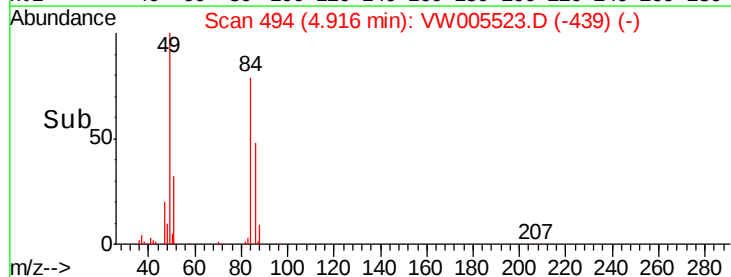
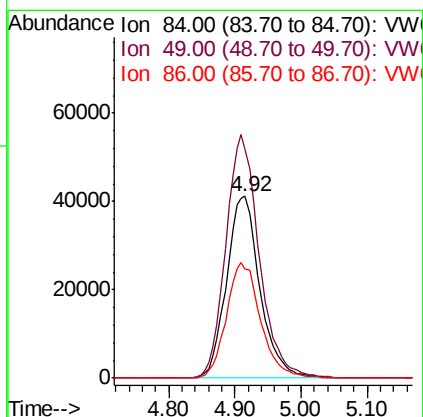
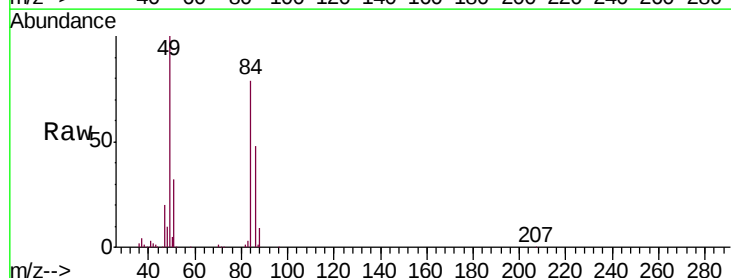
Instrument :
MSVOA_W
ClientSampled :
VICV98

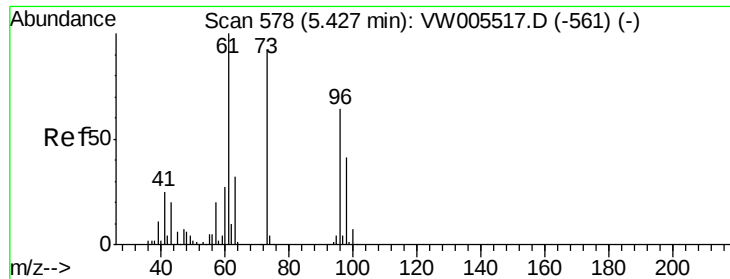
Tgt Ion: 43 Resp: 81938
Ion Ratio Lower Upper
43 100
74 21.8 17.3 25.9



#16
Methylene chloride
Concen: 21.529 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

Tgt Ion: 84 Resp: 144408
Ion Ratio Lower Upper
84 100
49 126.0 91.5 169.9
86 60.2 44.8 83.2

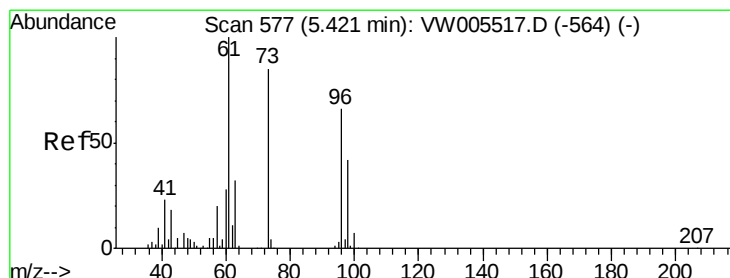
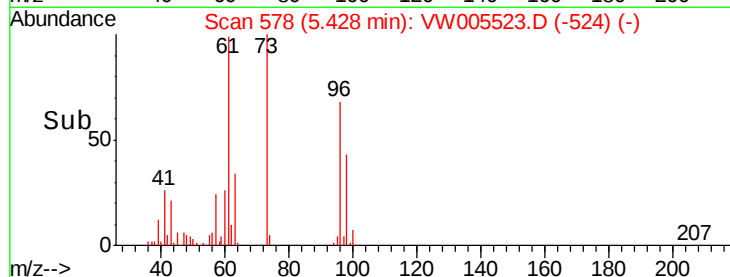
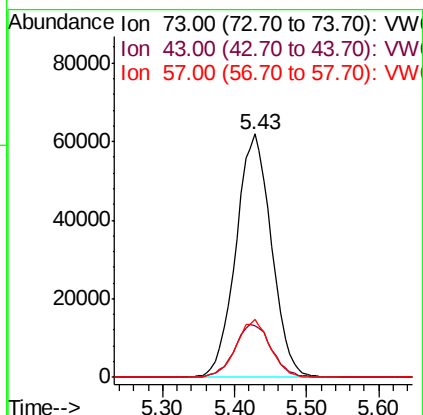
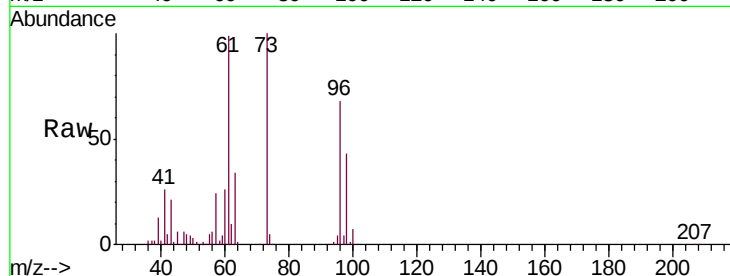




#17
Methyl tert-butyl Ether
Concen: 25.296 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

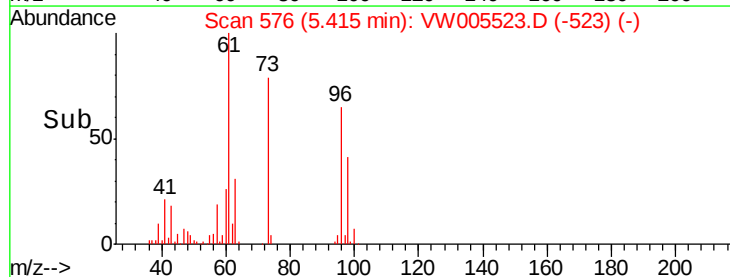
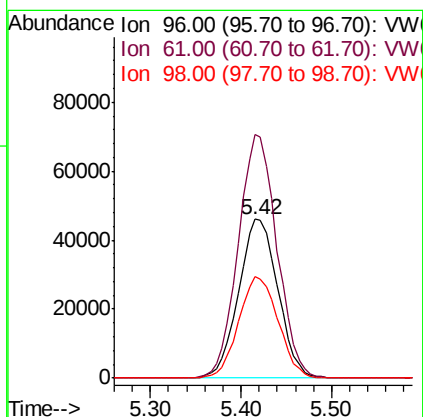
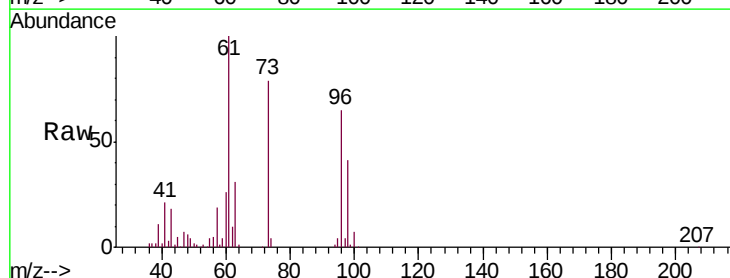
Instrument :
MSVOA_W
ClientSampled :
VICV98

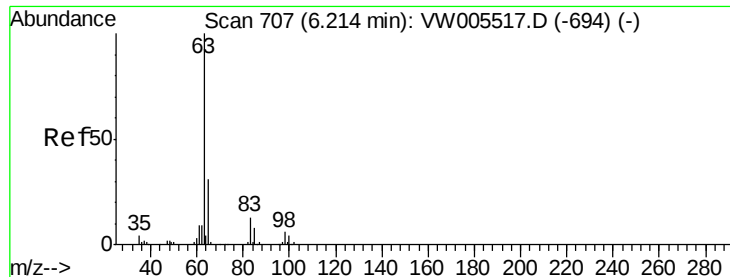
Tgt Ion: 73 Resp: 211667
Ion Ratio Lower Upper
73 100
43 22.2 17.6 26.4
57 22.8 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 25.027 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

Tgt Ion: 96 Resp: 138189
Ion Ratio Lower Upper
96 100
61 153.2 105.4 195.8
98 63.5 44.1 81.9

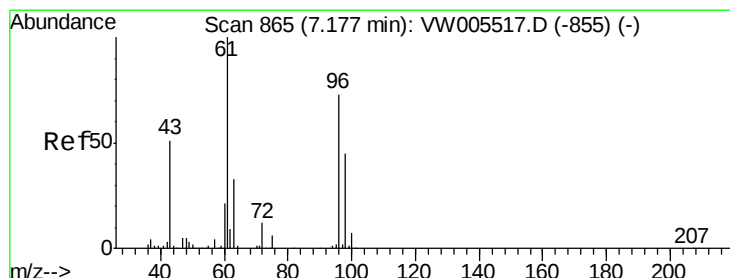
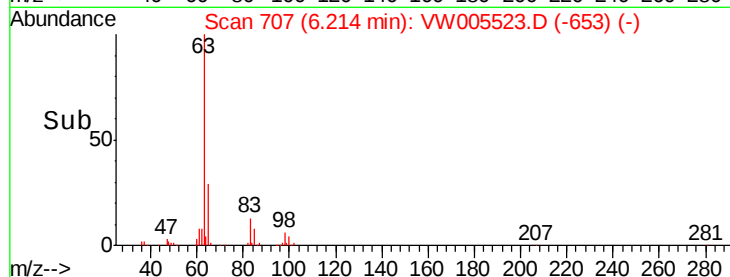
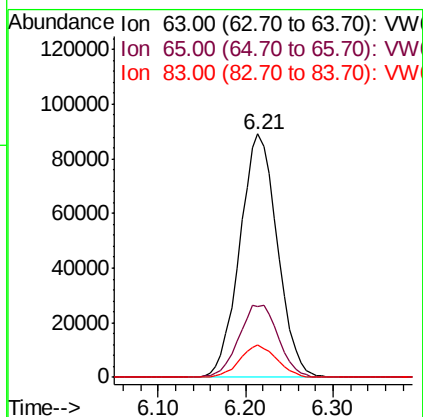
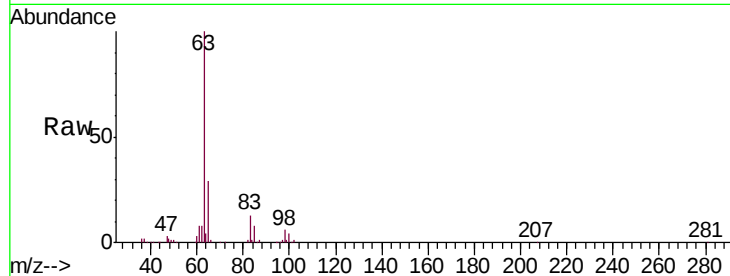




#19
 1,1-Dichloroethane
 Concen: 24.755 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

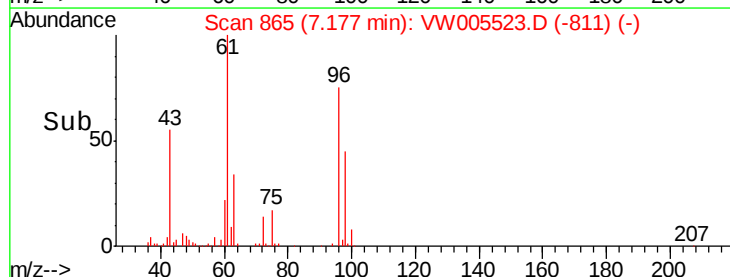
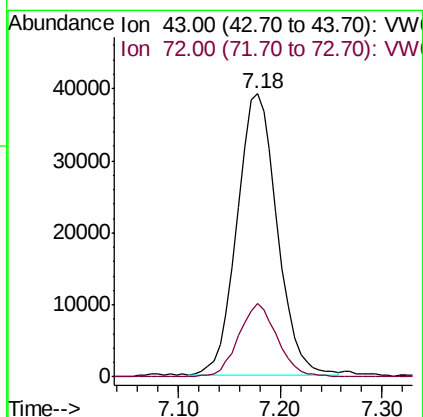
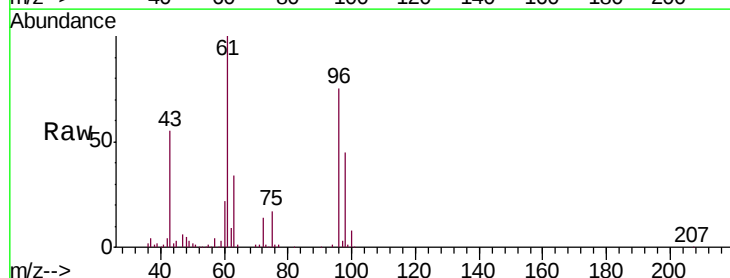
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV98

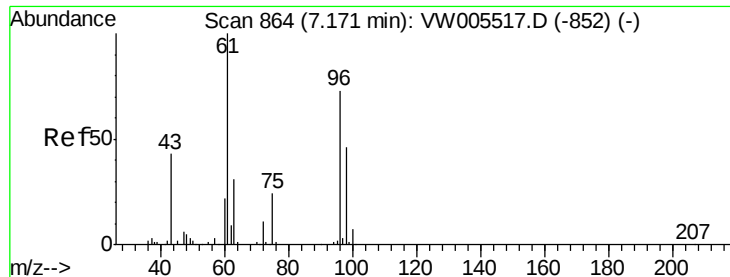
Tgt Ion:	63	Resp:	265695
Ion	Ratio	Lower	Upper
63	100		
65	29.3	21.4	39.8
83	13.3	8.9	16.5



#21
 2-Butanone
 Concen: 43.642 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

Tgt Ion:	43	Resp:	106570
Ion	Ratio	Lower	Upper
43	100		
72	25.3	12.6	37.6



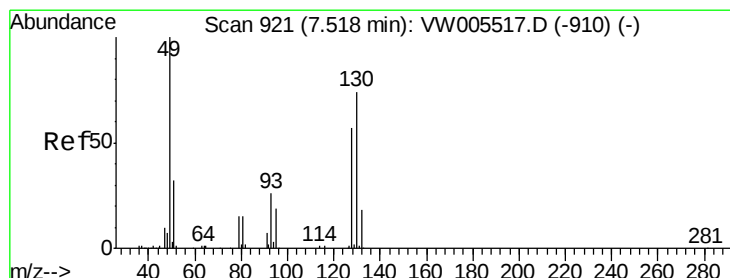
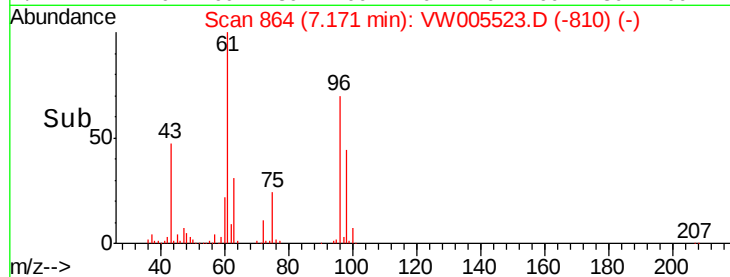
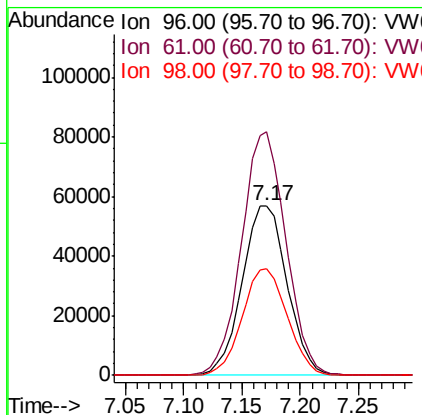
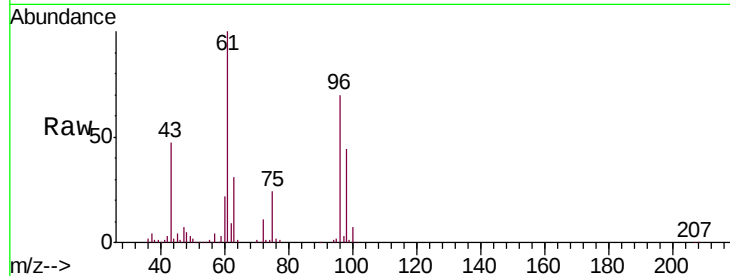


#22

cis-1,2-Dichloroethene
 Concen: 24.910 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

Instrument :
 MSVOA_W
 ClientSampled :
 VICV98

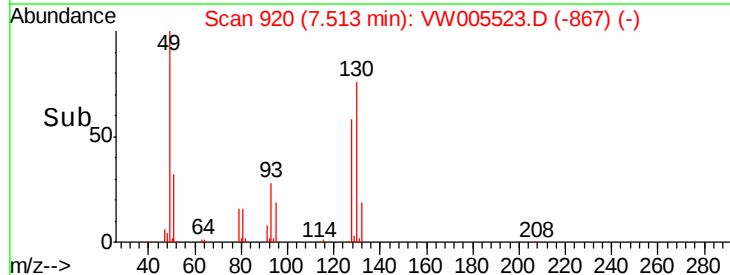
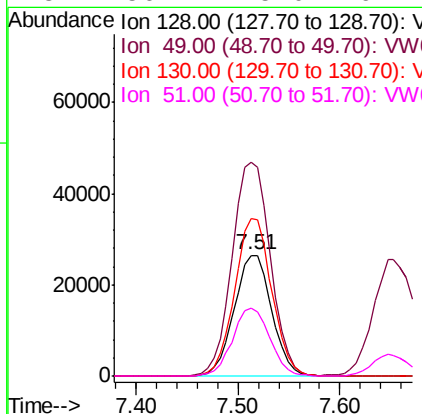
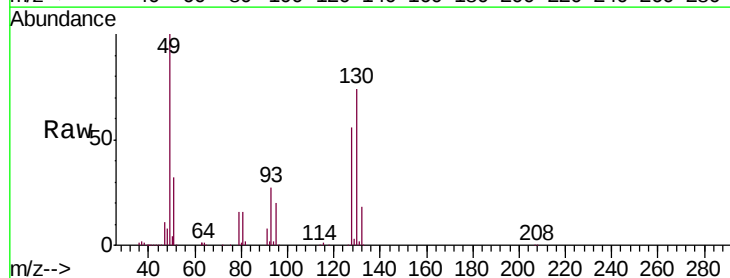
Tgt Ion: 96 Resp: 152739
 Ion Ratio Lower Upper
 96 100
 61 143.3 96.5 179.1
 98 62.6 44.1 81.9

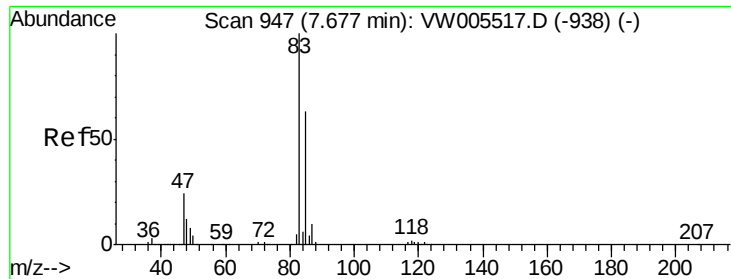


#23

Bromochloromethane
 Concen: 25.158 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

Tgt Ion: 128 Resp: 67565
 Ion Ratio Lower Upper
 128 100
 49 177.2 122.0 226.6
 130 130.5 89.9 167.0
 51 56.1 45.0 67.4

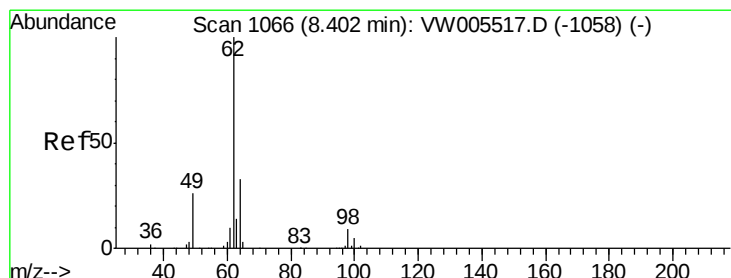
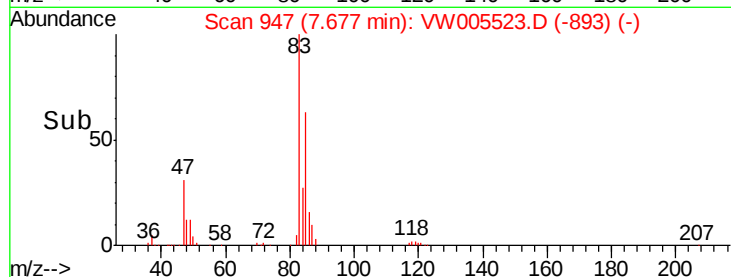
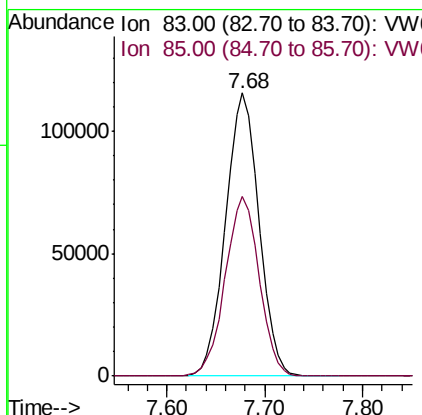
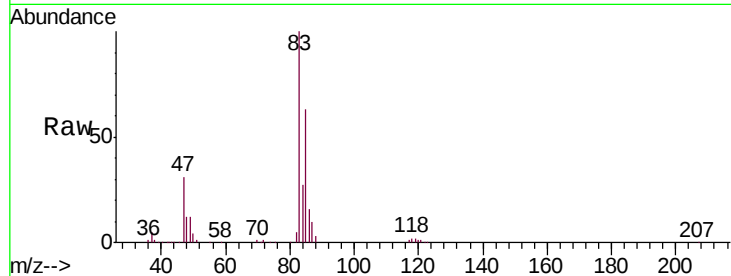




#25
Chloroform
Concen: 25.348 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

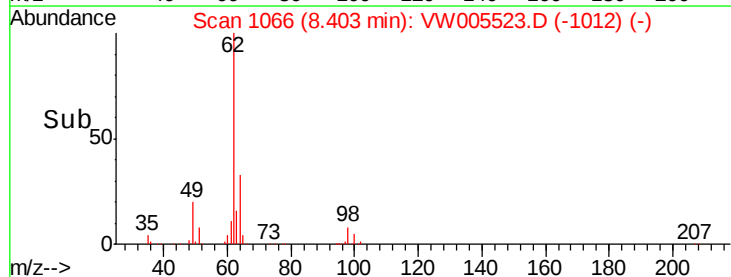
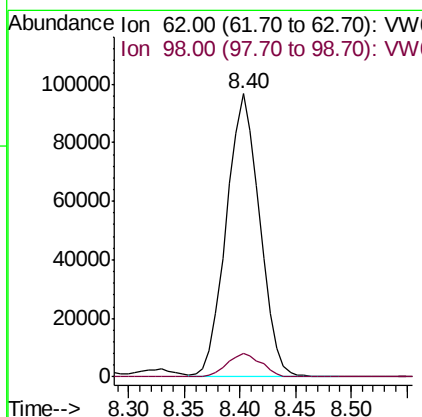
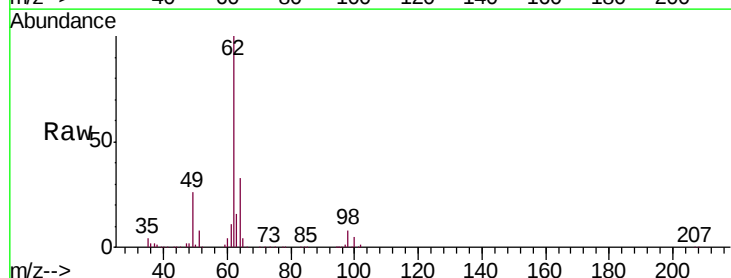
Instrument :
MSVOA_W
ClientSampled :
VICV98

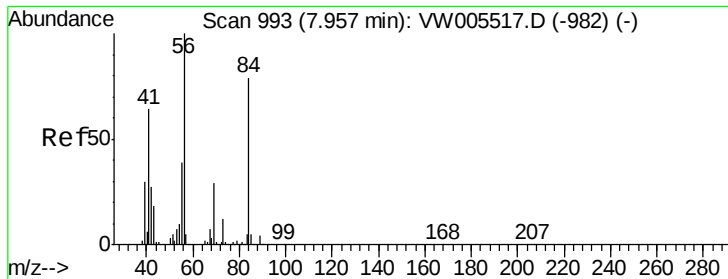
Tgt Ion: 83 Resp: 274278
Ion Ratio Lower Upper
83 100
85 64.8 46.0 85.4



#27
1,2-Dichloroethane
Concen: 25.722 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

Tgt Ion: 62 Resp: 201009
Ion Ratio Lower Upper
62 100
98 8.4 6.8 10.2

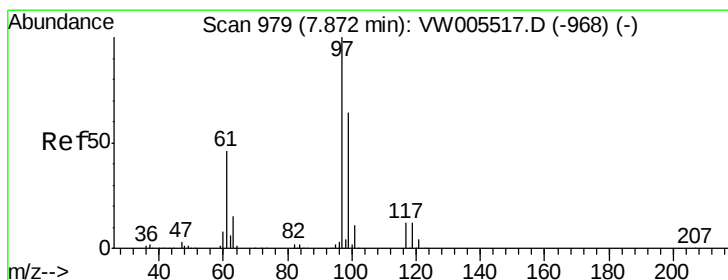
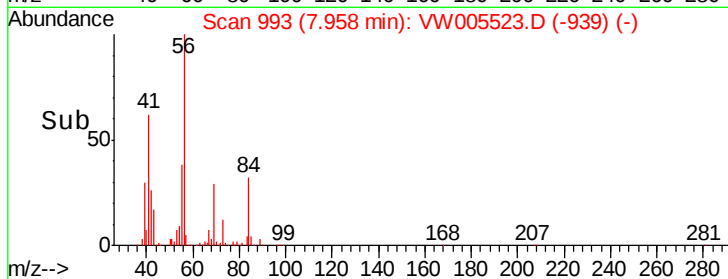
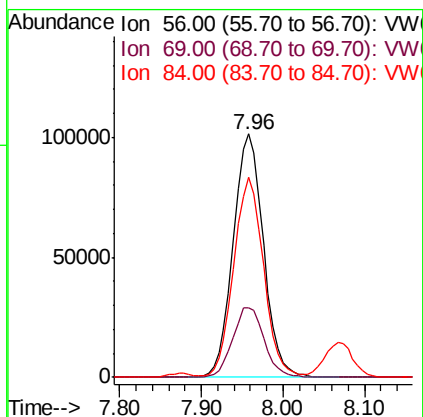
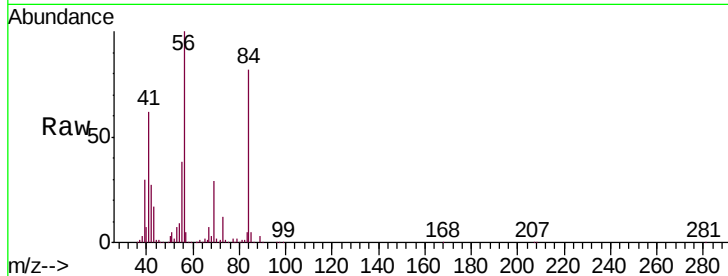




#30
Cyclohexane
Concen: 25.412 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

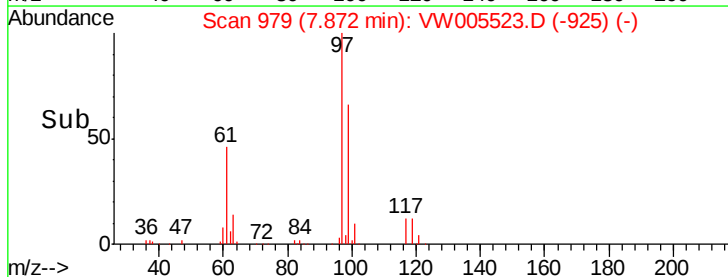
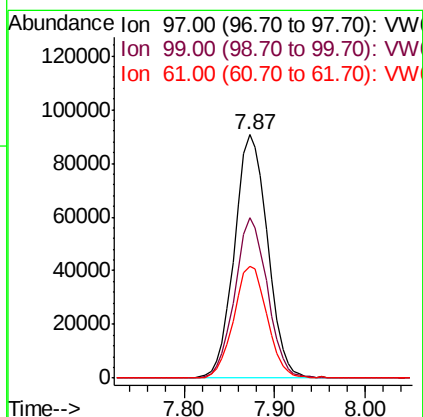
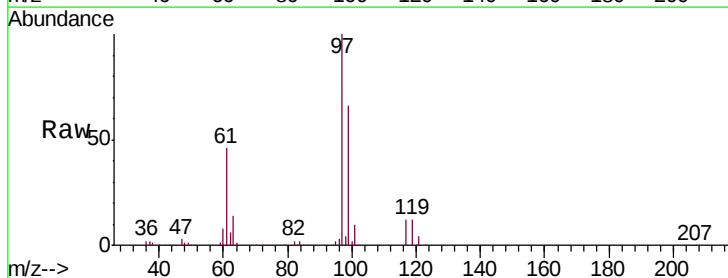
Instrument :
MSVOA_W
ClientSampled :
VICV98

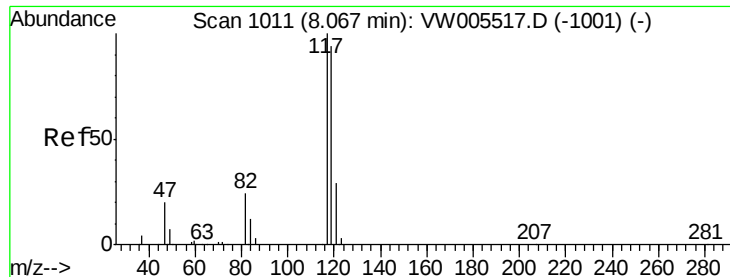
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.6	35.4
84	81.4	64.6	96.8



#31
1,1,1-Trichloroethane
Concen: 25.341 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.7	77.5
61	46.3	37.0	55.4





#32

Carbon tetrachloride

Concen: 25.733 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampled :

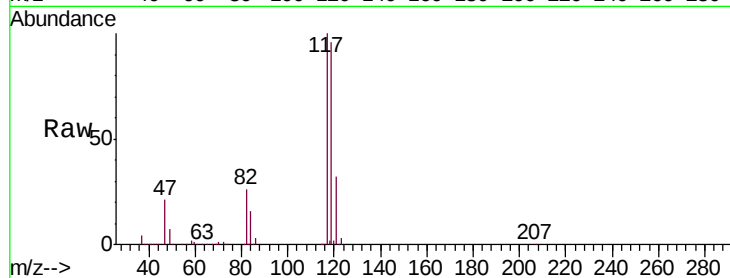
VICV98

Tgt Ion:117 Resp: 221941

Ion Ratio Lower Upper

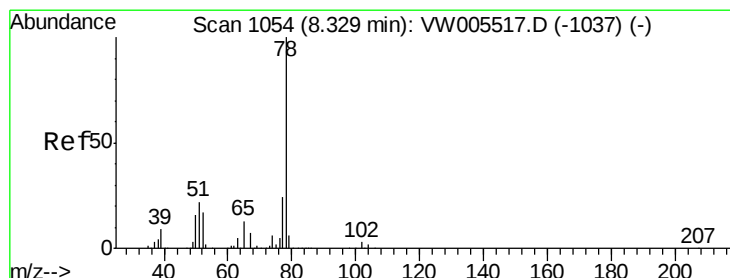
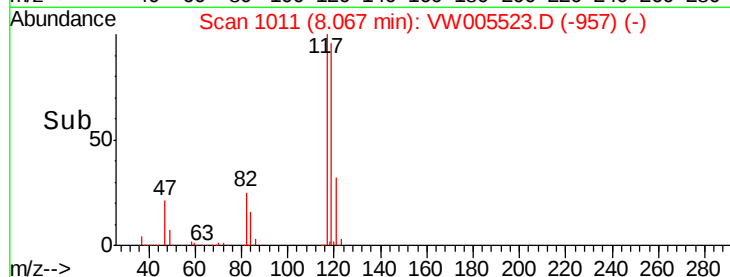
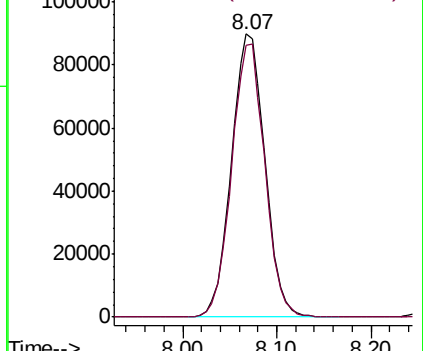
117 100

119 95.9 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.105 ug/L

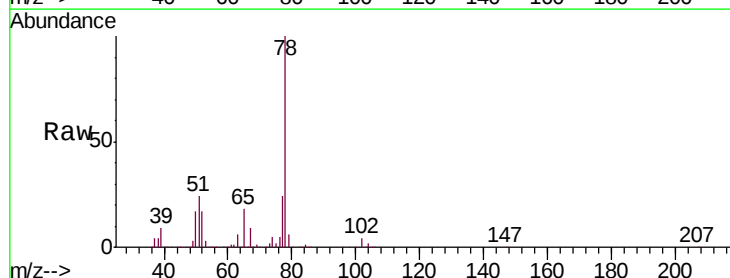
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

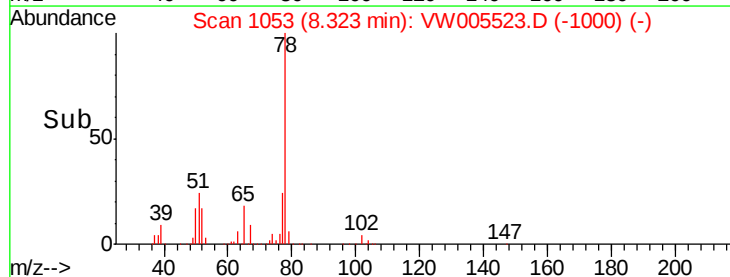
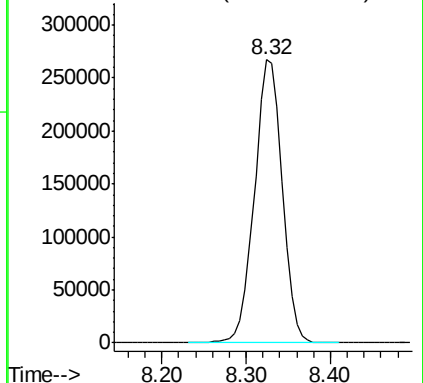
Lab File: VW005523.D

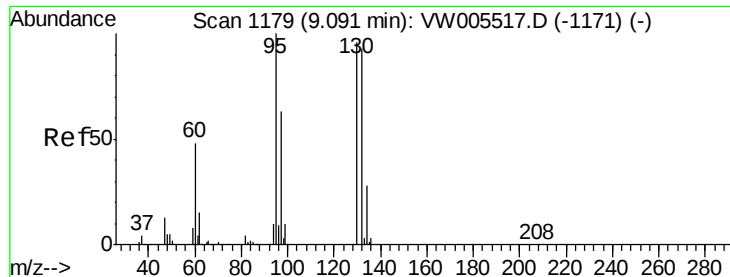
Acq: 19 Sep 2018 20:30

Tgt Ion: 78 Resp: 602667



Abundance Ion 78.00 (77.70 to 78.70): VW

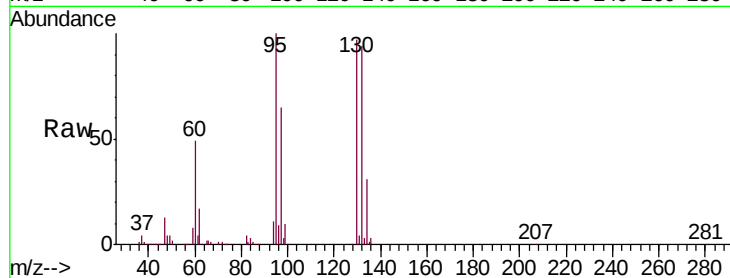




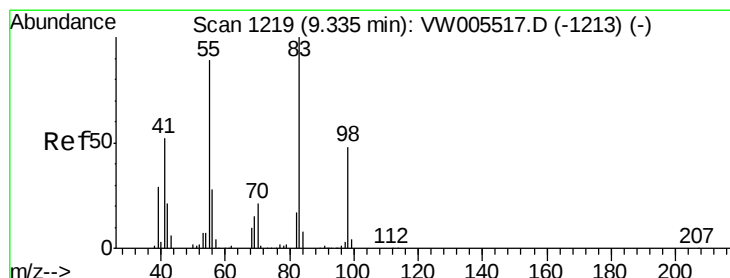
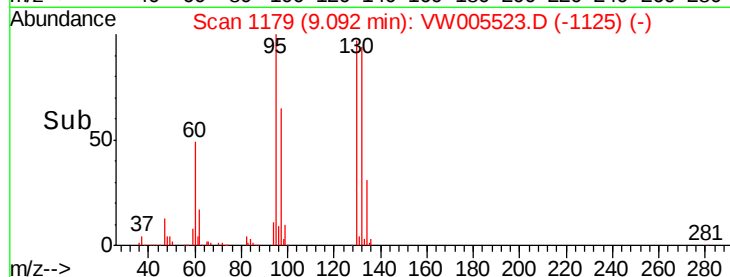
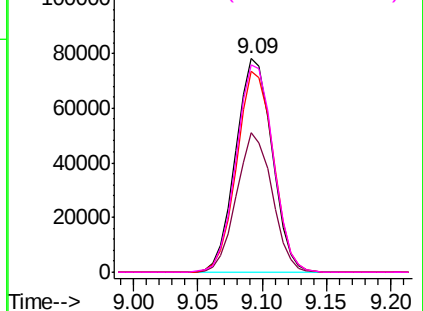
#35
 Trichloroethene
 Concen: 24.770 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV98

Tgt Ion:	95	Resp:	153201
Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.0	83.6
132	94.6	66.4	123.2
130	98.3	68.6	127.4

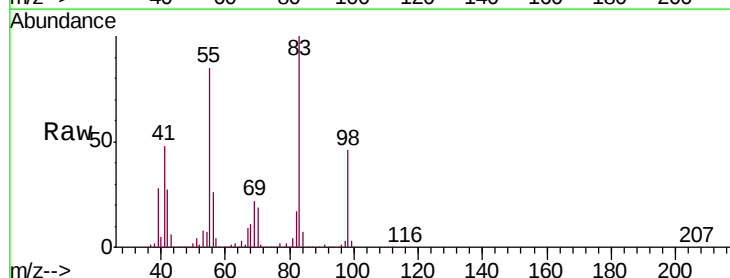


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

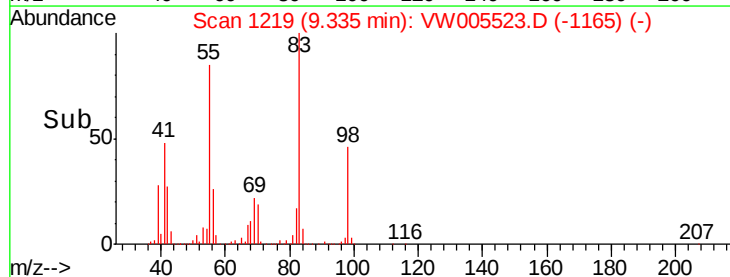
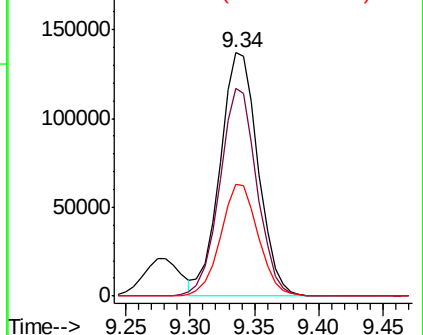


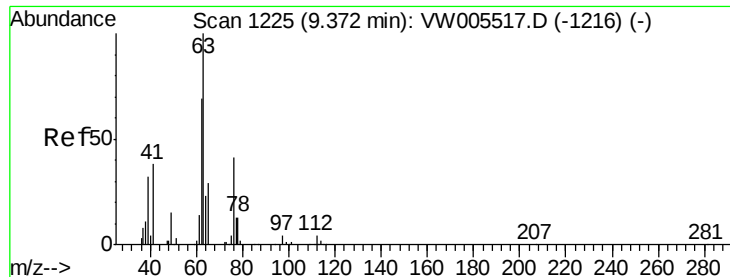
#36
 Methylcyclohexane
 Concen: 25.047 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

Tgt Ion:	83	Resp:	282156
Ion	Ratio	Lower	Upper
83	100		
55	83.7	66.4	99.6
98	45.6	36.3	54.5



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

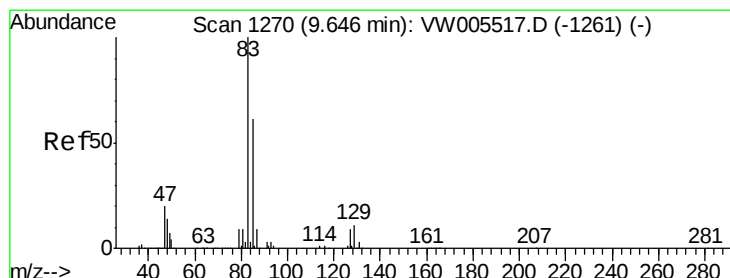
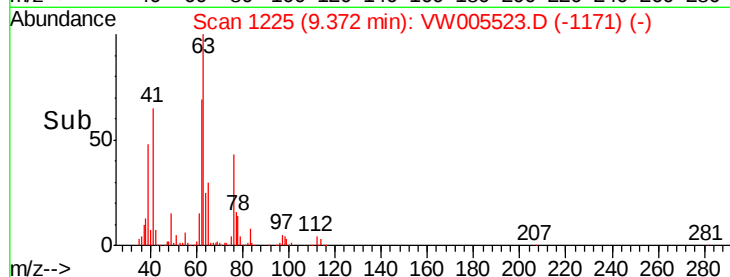
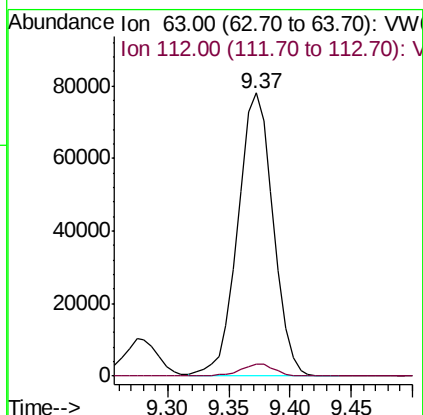
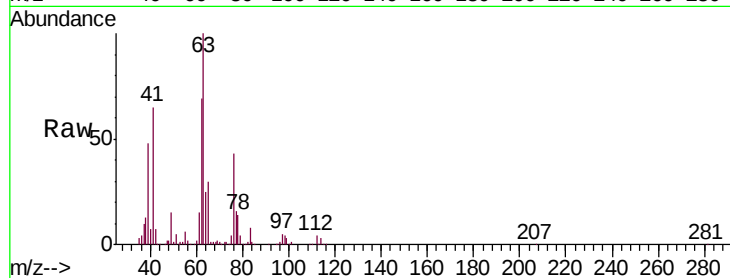




#40
 1,2-Dichloropropane
 Concen: 24.862 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

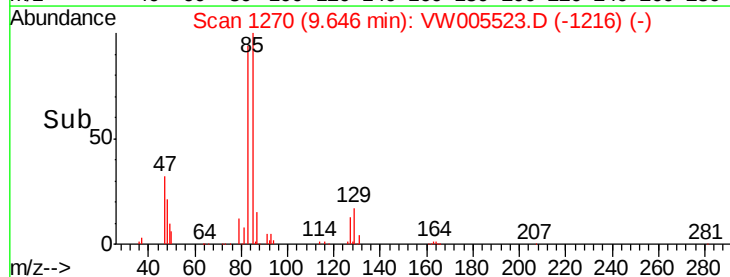
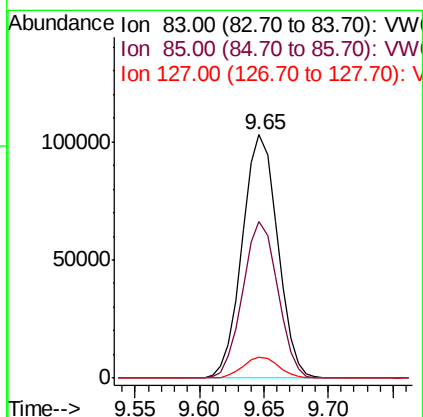
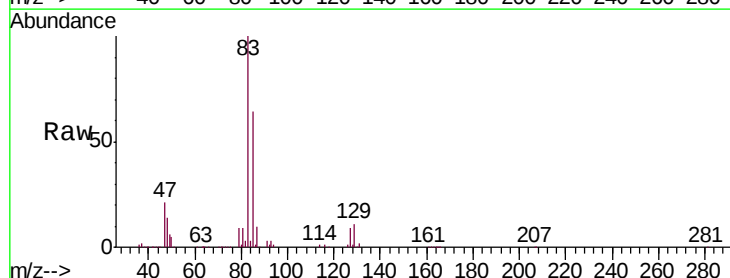
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV98

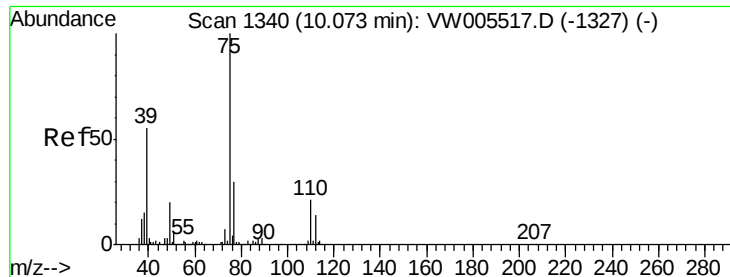
Tgt Ion: 63 Resp: 156698
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.2 4.8



#41
 Bromodichloromethane
 Concen: 25.448 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

Tgt Ion: 83 Resp: 195905
 Ion Ratio Lower Upper
 83 100
 85 64.3 43.0 80.0
 127 8.6 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 25.332 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampled :

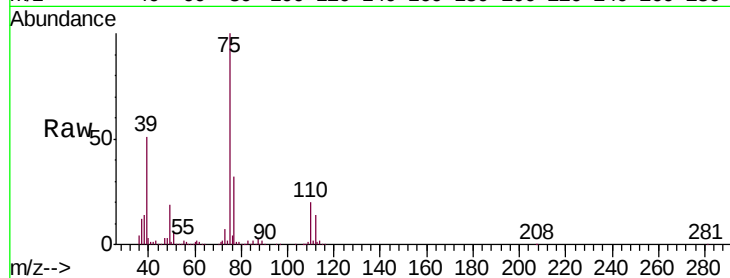
VICV98

Tgt Ion: 75 Resp: 235502

Ion Ratio Lower Upper

75 100

77 31.6 21.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

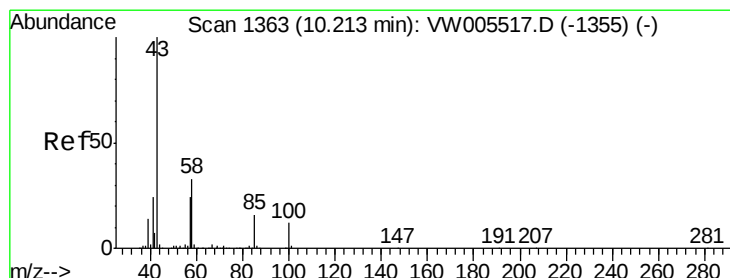
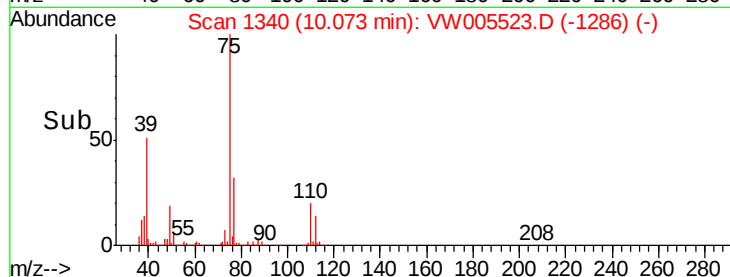
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 48.261 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

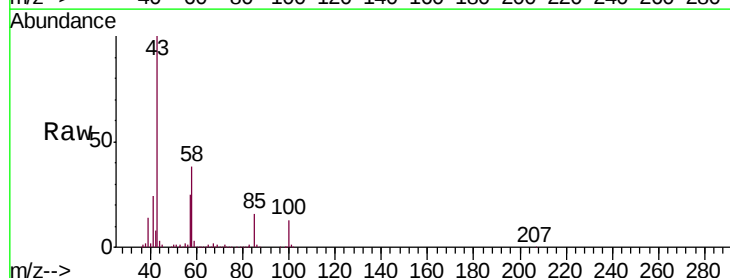
Tgt Ion: 43 Resp: 237201

Ion Ratio Lower Upper

43 100

58 37.4 29.2 43.8

100 13.3 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

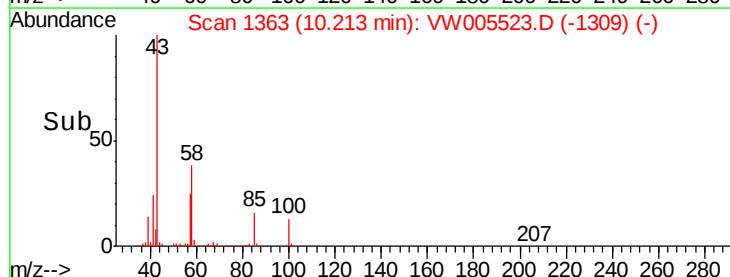
150000

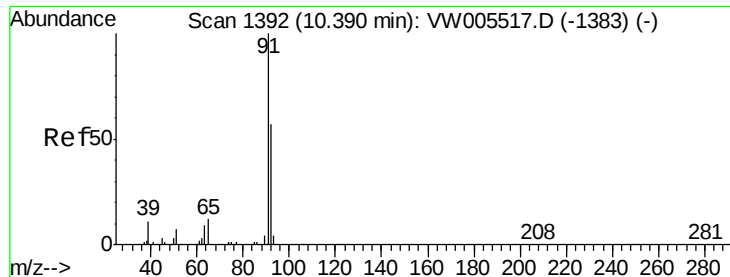
100000

50000

0

Time-->





#44

Toluene

Concen: 25.380 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampled :

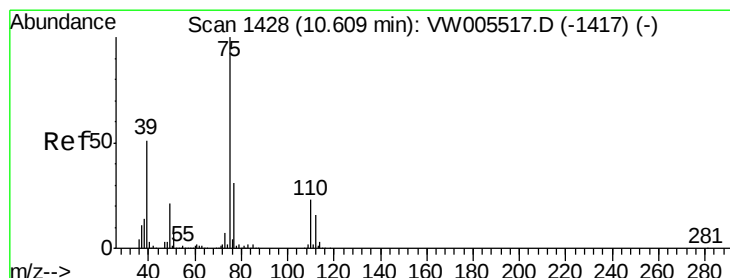
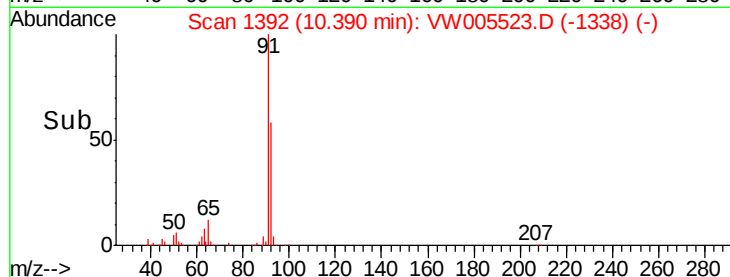
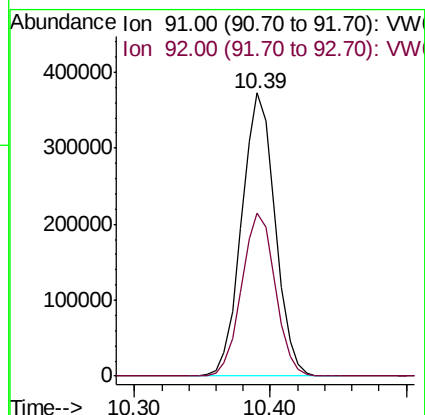
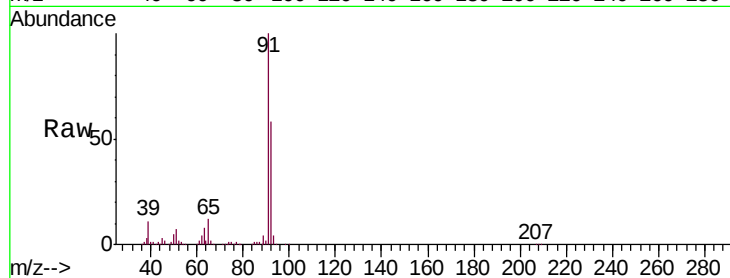
VICV98

Tgt Ion: 91 Resp: 639459

Ion Ratio Lower Upper

91 100

92 57.7 40.0 74.2



#45

trans-1,3-Dichloropropene

Concen: 25.700 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005523.D

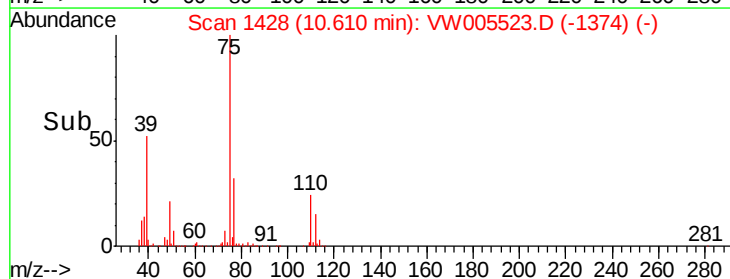
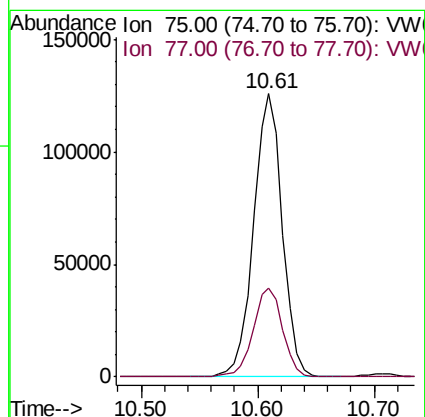
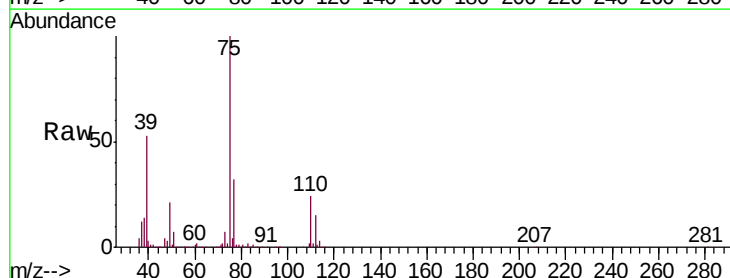
Acq: 19 Sep 2018 20:30

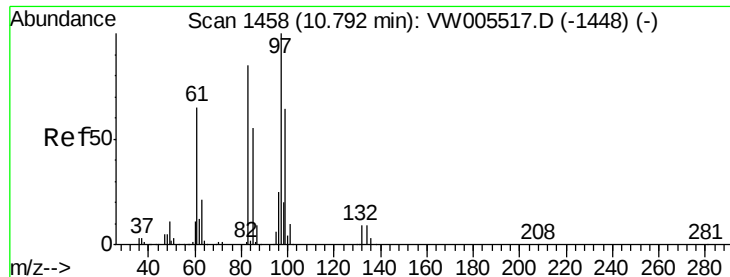
Tgt Ion: 75 Resp: 215566

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 24.658 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

VICV98

Tgt Ion: 97 Resp: 113954

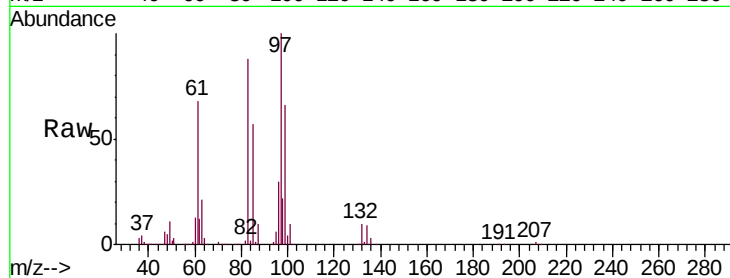
Ion Ratio Lower Upper

97 100

83 87.6 59.5 110.5

85 57.3 38.4 71.2

99 65.8 44.5 82.7

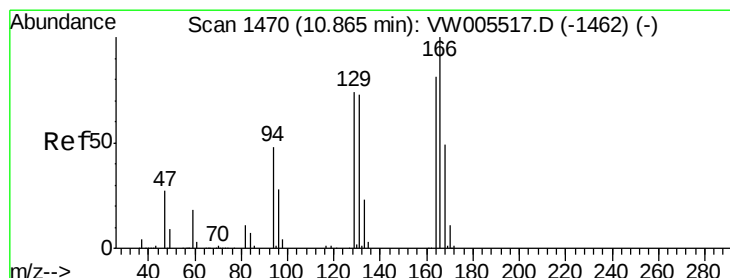
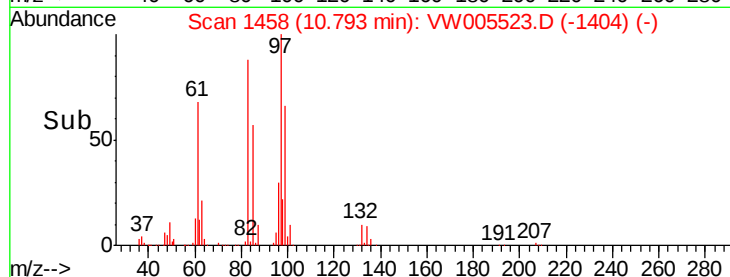
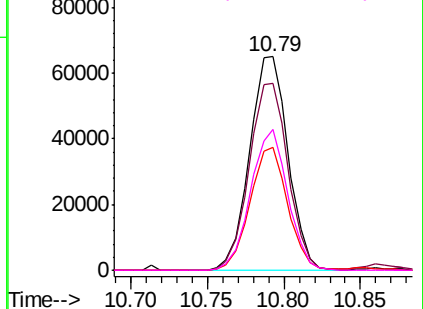


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 24.997 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Tgt Ion: 164 Resp: 126916

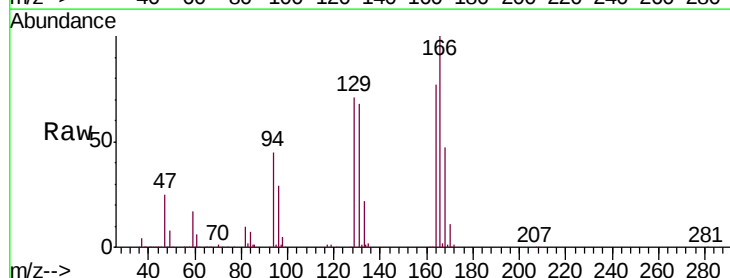
Ion Ratio Lower Upper

164 100

129 91.6 63.7 118.3

131 87.5 63.3 117.5

166 129.2 86.5 160.6

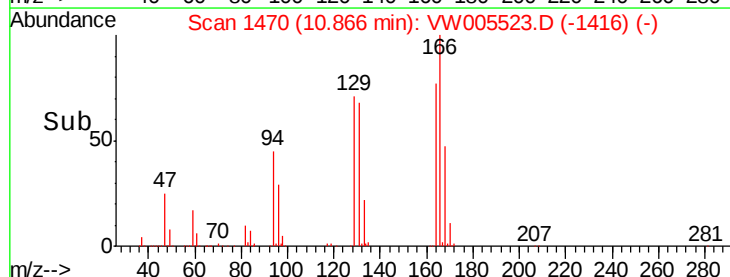
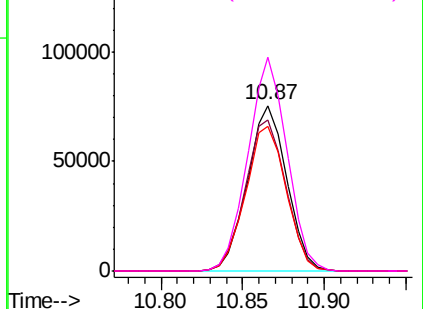


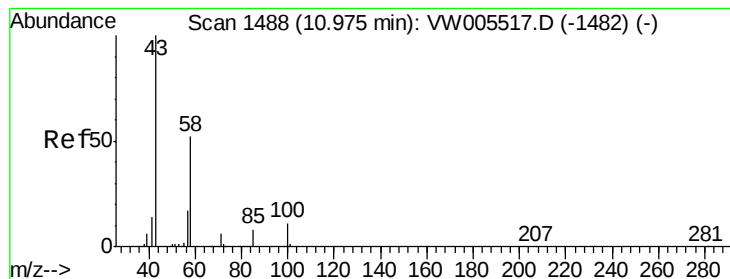
Abundance Ion 164.00 (163.70 to 164.70): V

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: 49.316 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

VICV98

Tgt Ion: 43 Resp: 174221

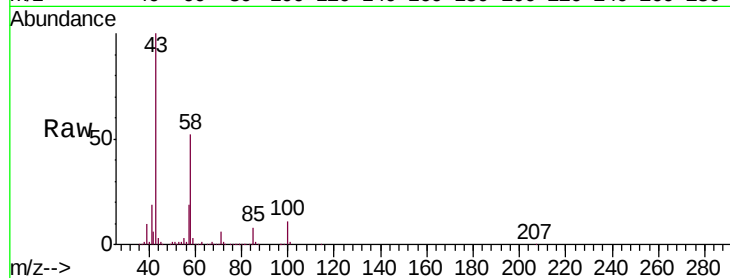
Ion Ratio Lower Upper

43 100

58 50.6 40.1 60.1

57 18.5 14.1 21.1

100 10.3 7.9 11.9



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

150000

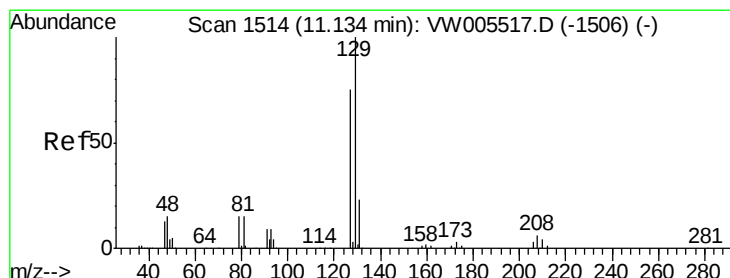
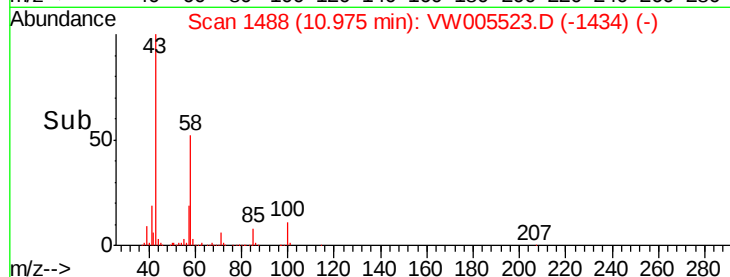
100000

50000

0

10.90 10.95 11.00 11.05

Time-->



#50

Dibromochloromethane

Concen: 24.588 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW005523.D

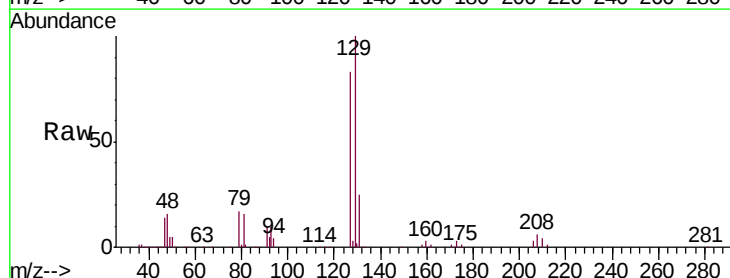
Acq: 19 Sep 2018 20:30

Tgt Ion: 129 Resp: 133717

Ion Ratio Lower Upper

129 100

127 83.1 52.5 97.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

80000

60000

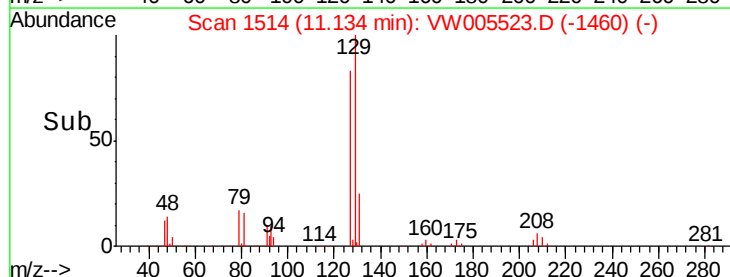
40000

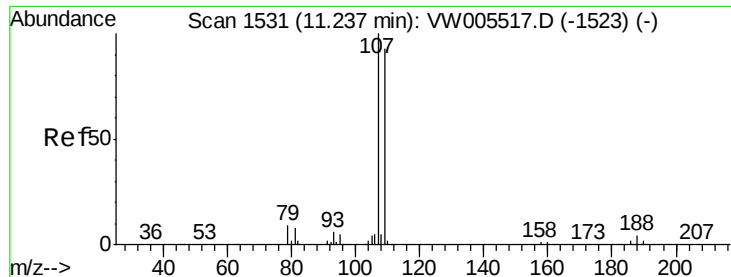
20000

0

11.05 11.10 11.15 11.20

Time-->





#51

1,2-Dibromoethane

Concen: 25.401 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

VICV98

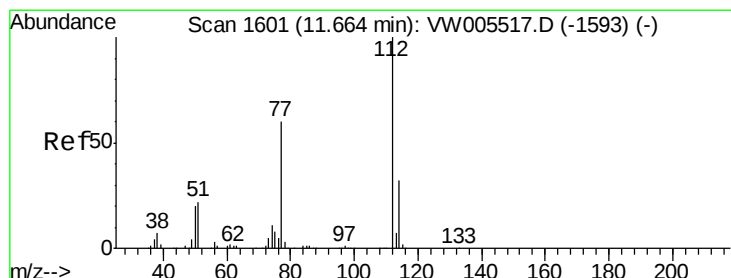
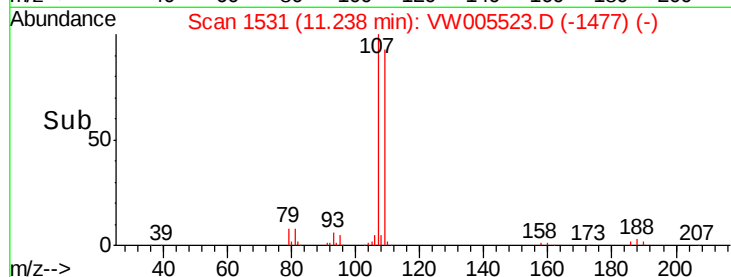
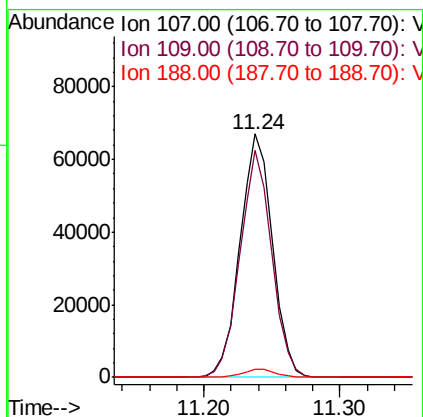
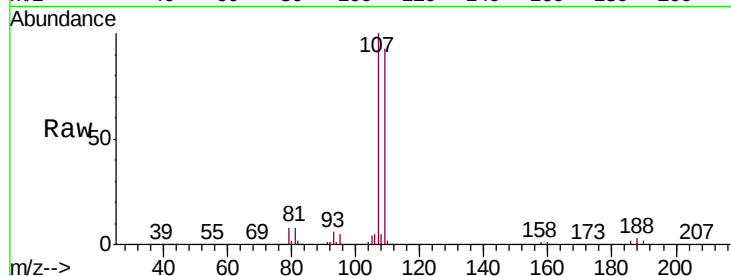
Tgt Ion:107 Resp: 111449

Ion Ratio Lower Upper

107 100

109 93.5 65.4 121.4

188 3.4 2.9 4.3



#52

Chlorobenzene

Concen: 24.956 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

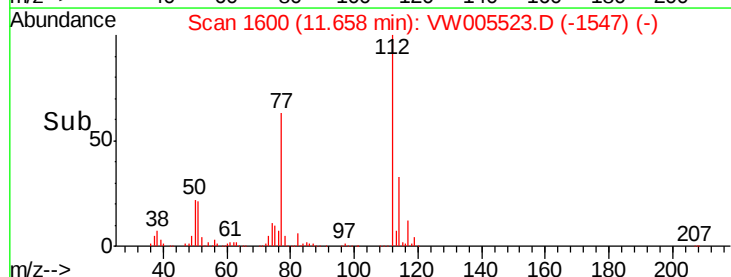
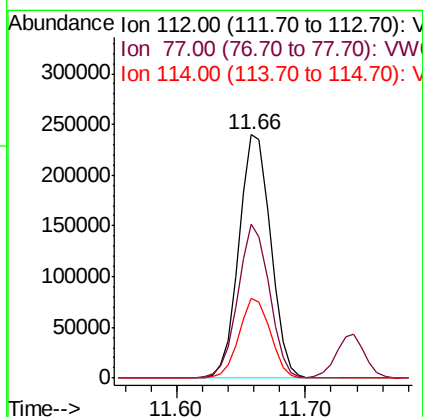
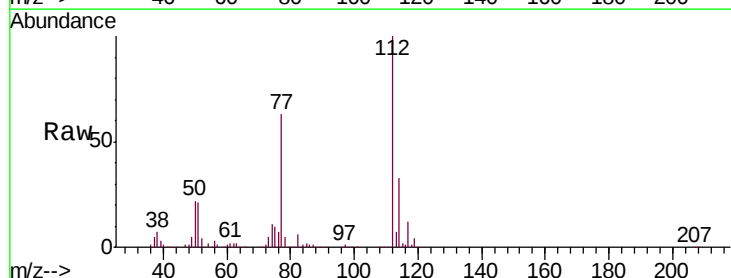
Tgt Ion:112 Resp: 408899

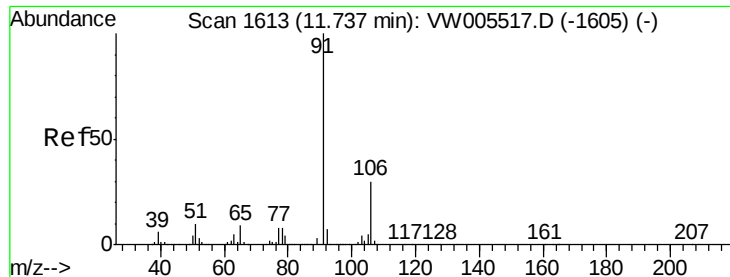
Ion Ratio Lower Upper

112 100

77 63.3 48.5 72.7

114 32.6 22.5 41.7





#53

Ethylbenzene

Concen: 25.617 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

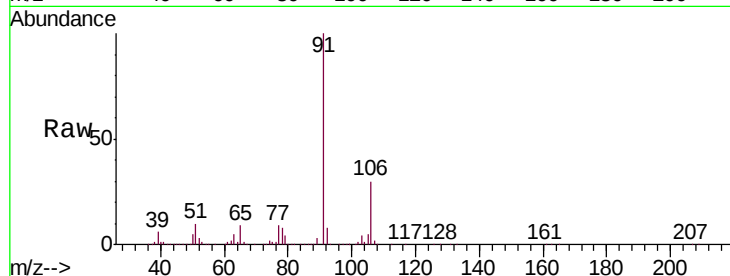
VICV98

Tgt Ion: 91 Resp: 750467

Ion Ratio Lower Upper

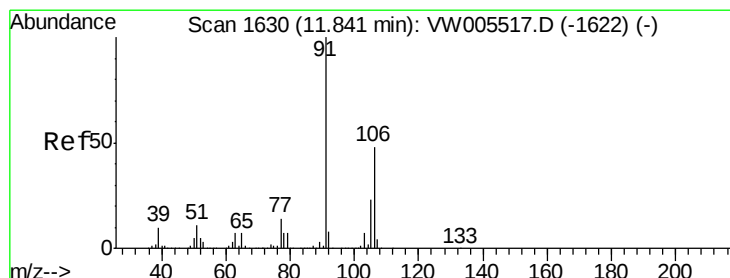
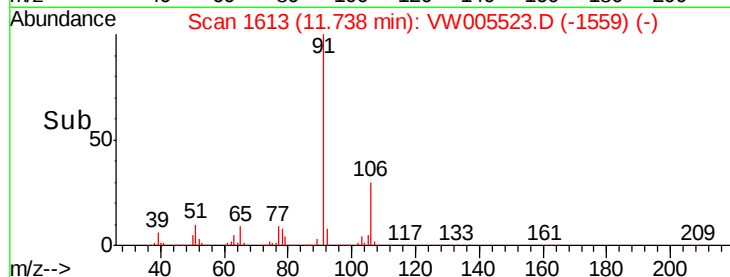
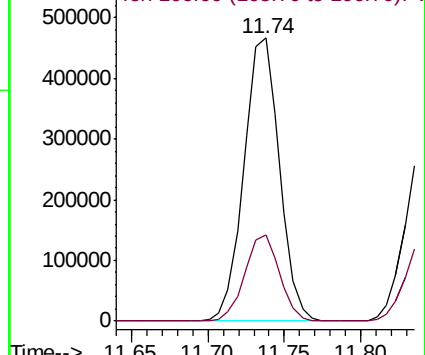
91 100

106 30.3 20.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 25.767 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW005523.D

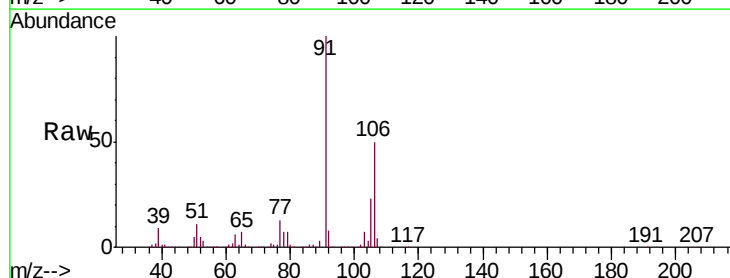
Acq: 19 Sep 2018 20:30

Tgt Ion: 106 Resp: 277425

Ion Ratio Lower Upper

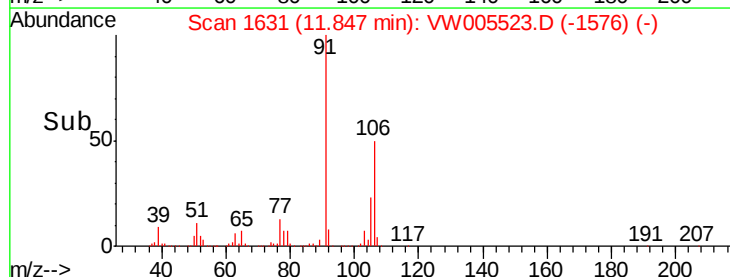
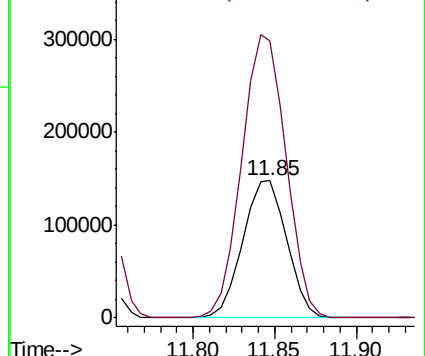
106 100

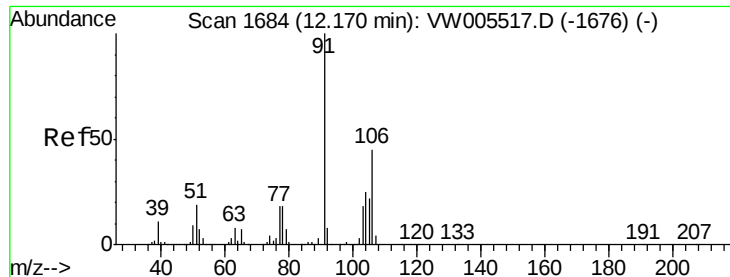
91 201.5 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

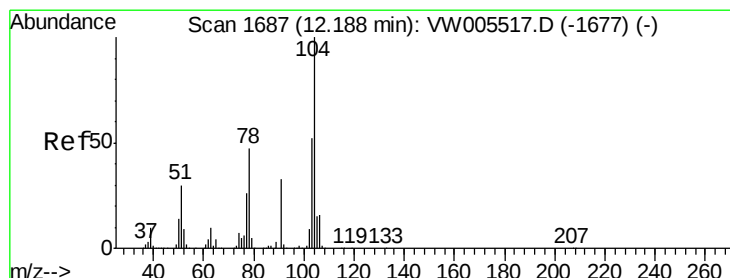
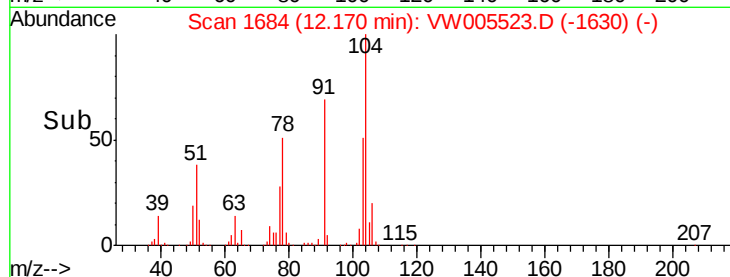
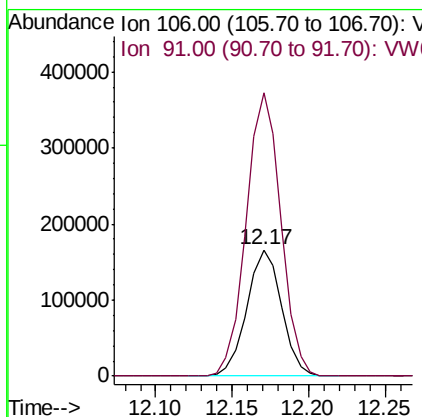
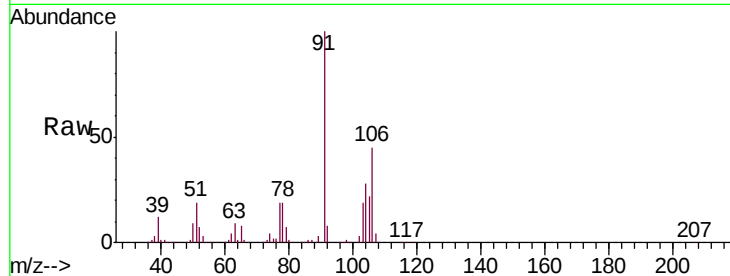




#55
o-xylene
Concen: 25.603 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

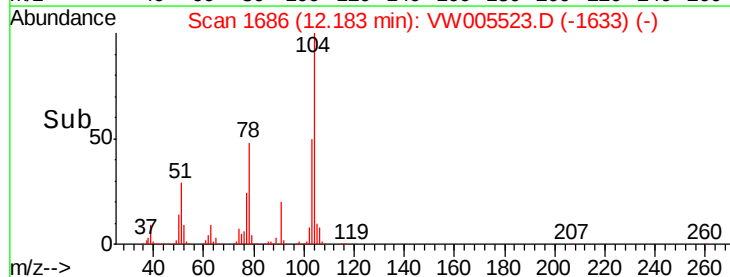
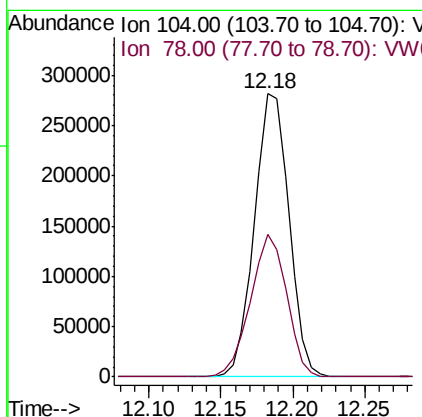
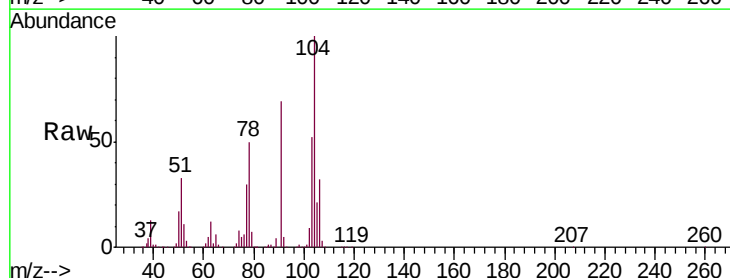
Instrument :
MSVOA_W
ClientSampled :
VICV98

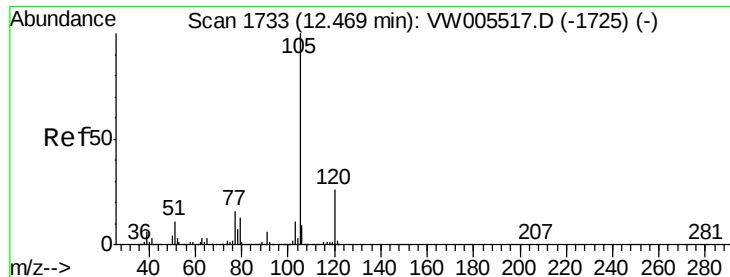
Tgt Ion:106 Resp: 262127
Ion Ratio Lower Upper
106 100
91 224.3 156.3 290.3



#56
Styrene
Concen: 26.393 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW005523.D
Acq: 19 Sep 2018 20:30

Tgt Ion:104 Resp: 467044
Ion Ratio Lower Upper
104 100
78 50.3 32.6 60.6





#57

Isopropylbenzene

Concen: 25.873 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

VICV98

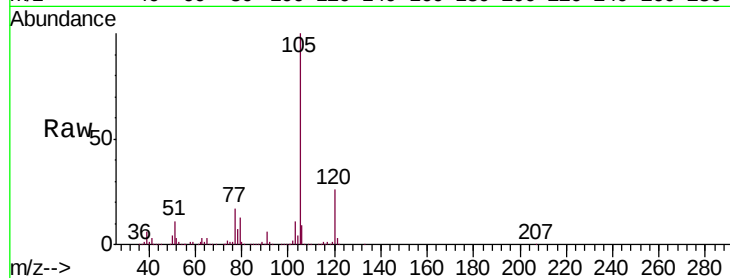
Tgt Ion: 105 Resp: 742787

Ion Ratio Lower Upper

105 100

120 25.8 20.4 30.6

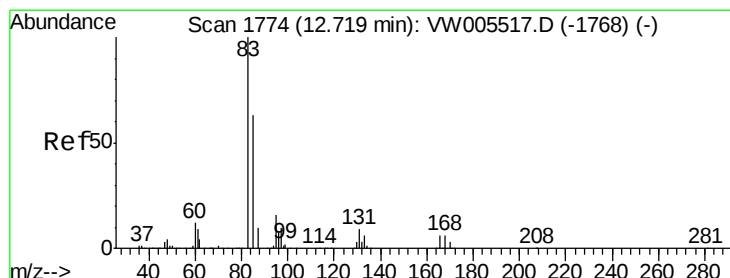
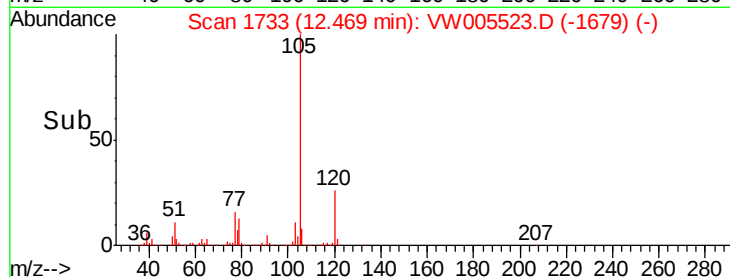
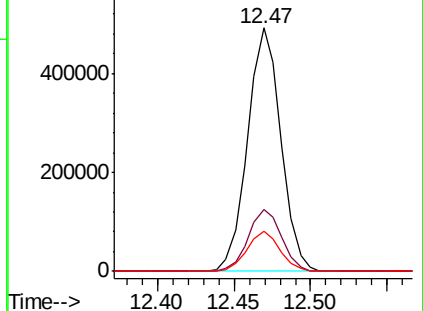
77 16.4 13.0 19.4



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: 24.765 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

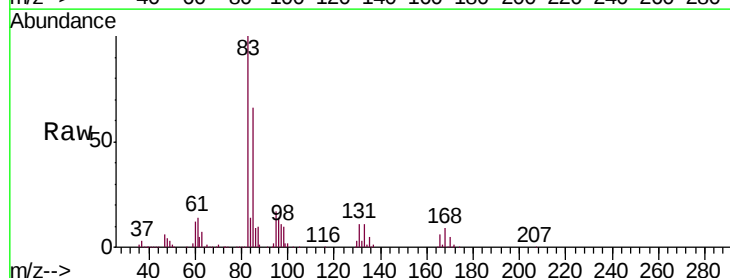
Tgt Ion: 83 Resp: 153127

Ion Ratio Lower Upper

83 100

85 66.3 43.9 81.5

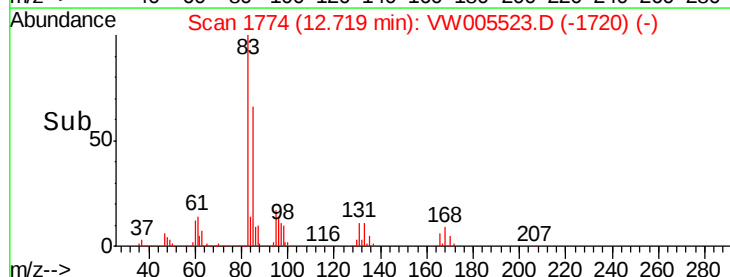
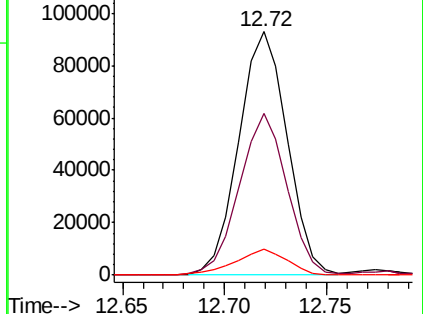
131 10.6 7.9 11.9

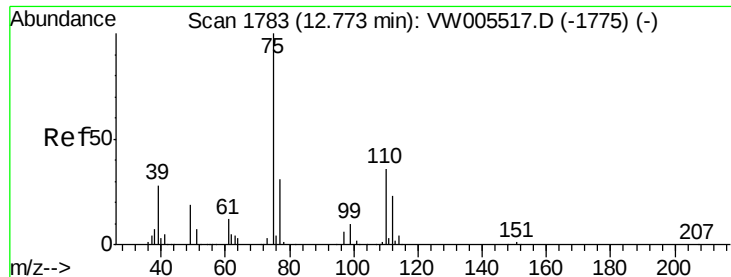


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.717 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampled :

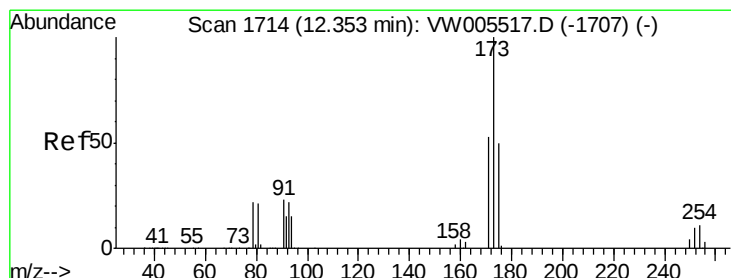
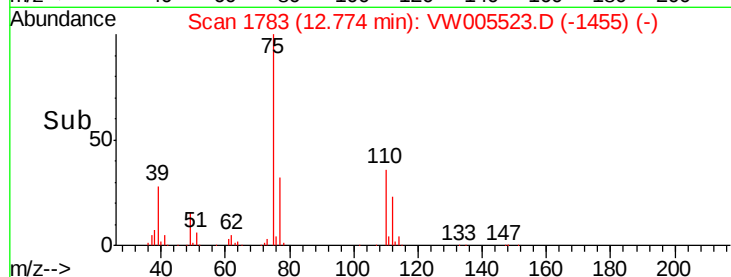
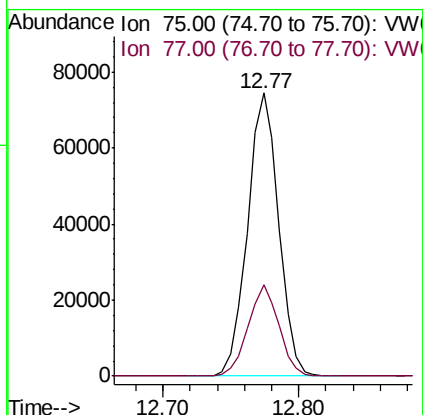
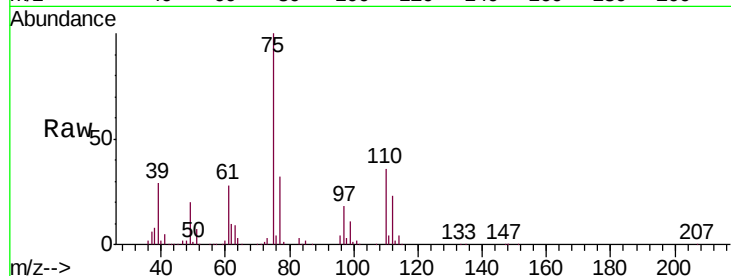
VICV98

Tgt Ion: 75 Resp: 119289

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



#62

Bromoform

Concen: 25.052 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

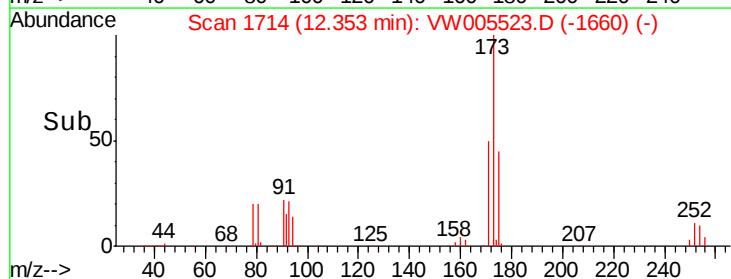
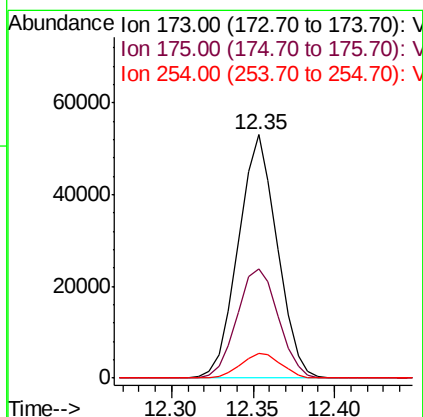
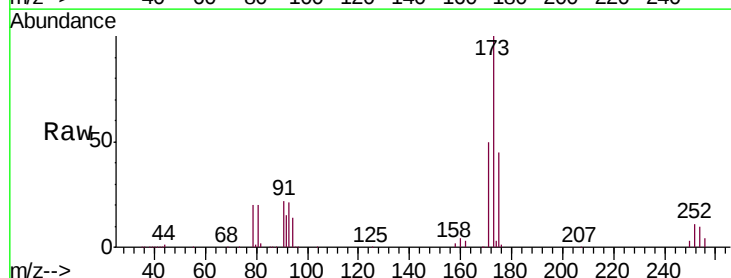
Tgt Ion: 173 Resp: 88108

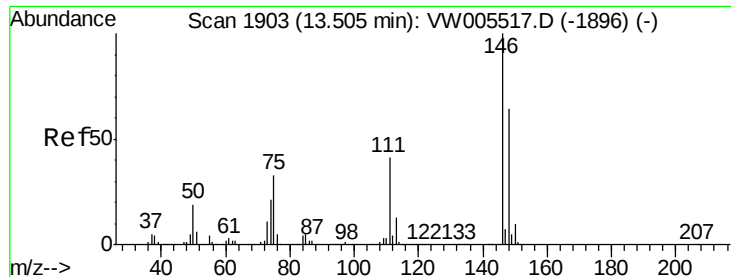
Ion Ratio Lower Upper

173 100

175 47.9 39.4 59.0

254 10.4 8.8 13.2

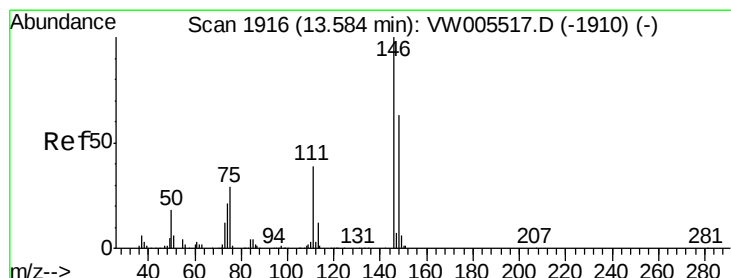
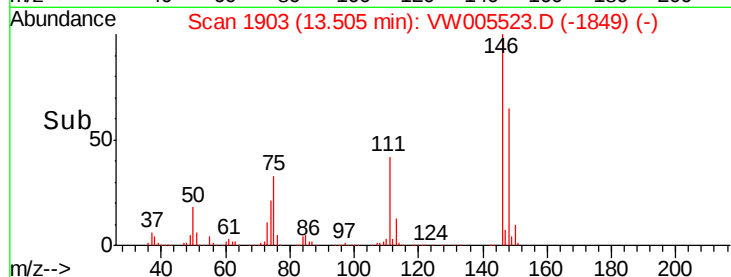
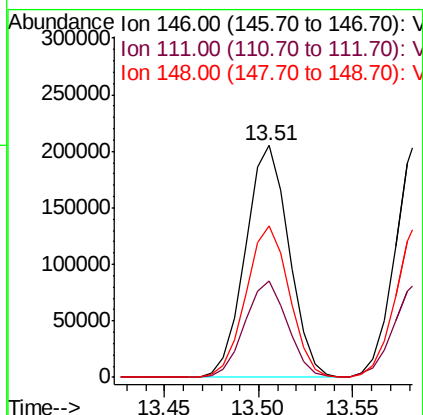
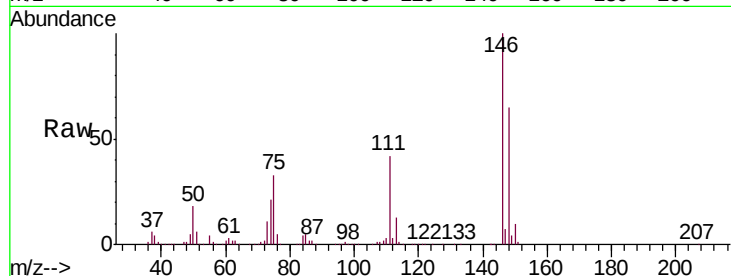




#63
 1,3-Dichlorobenzene
 Concen: 24.819 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

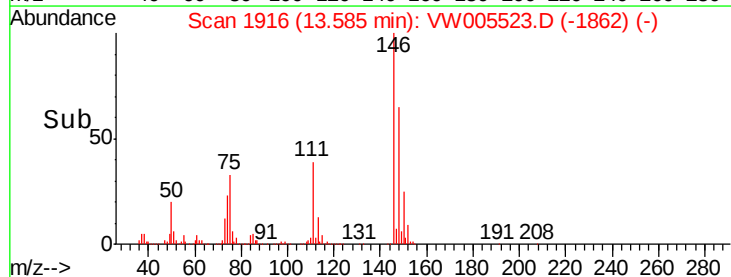
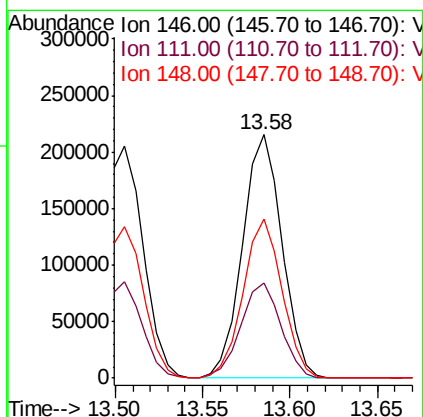
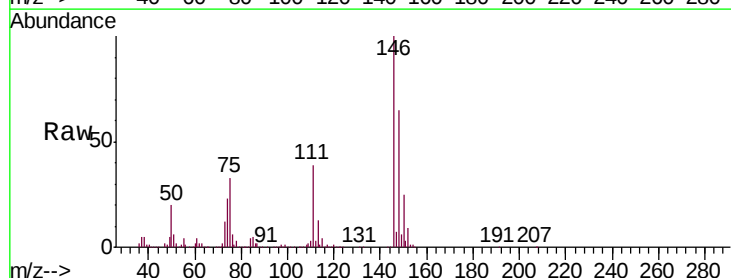
Instrument :
 MSVOA_W
 ClientSampled :
 VICV98

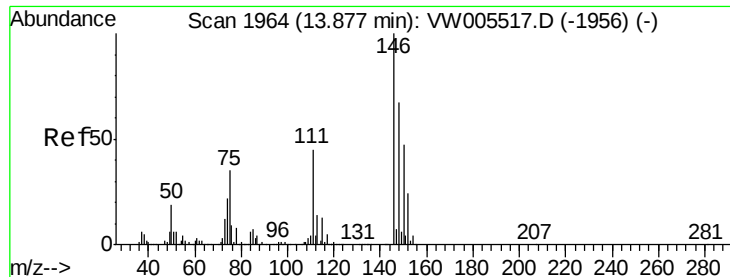
Tgt Ion:146 Resp: 328288
 Ion Ratio Lower Upper
 146 100
 111 41.6 28.6 53.0
 148 65.2 44.9 83.5



#64
 1,4-Dichlorobenzene
 Concen: 24.841 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

Tgt Ion:146 Resp: 338947
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.4 51.0
 148 65.3 43.8 81.4

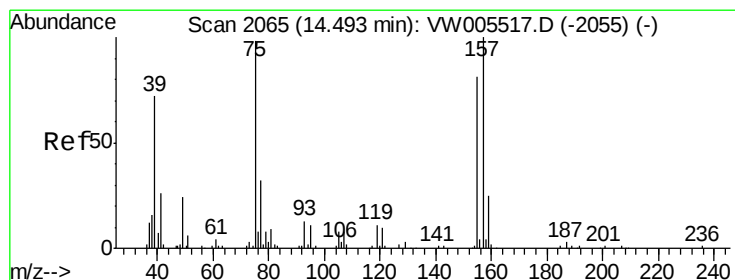
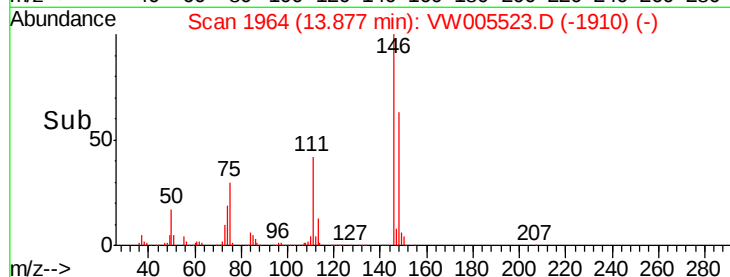
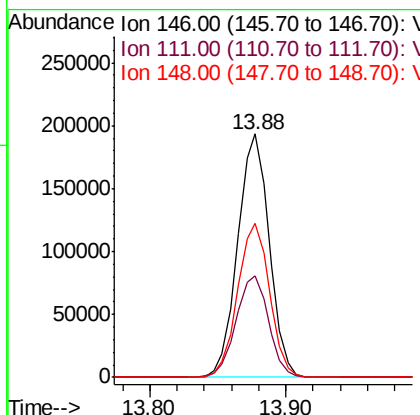
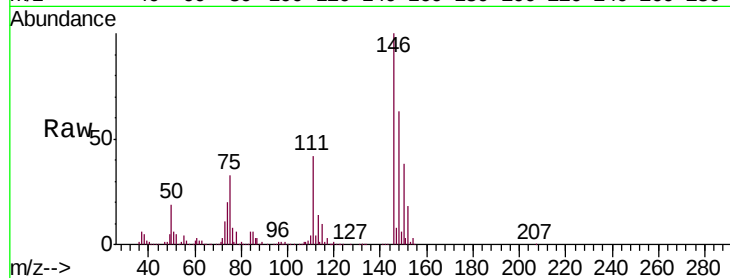




#65
 1,2-Dichlorobenzene
 Concen: 25.229 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

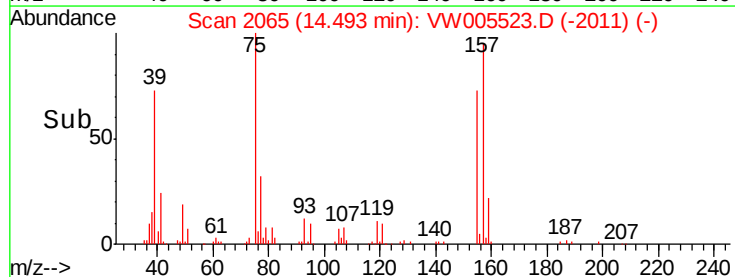
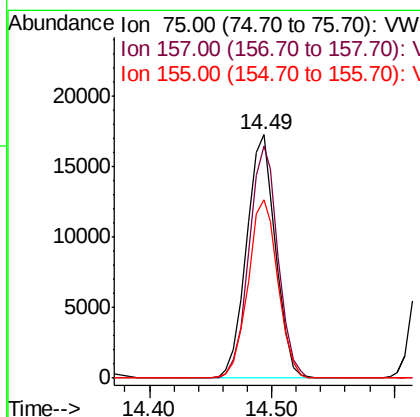
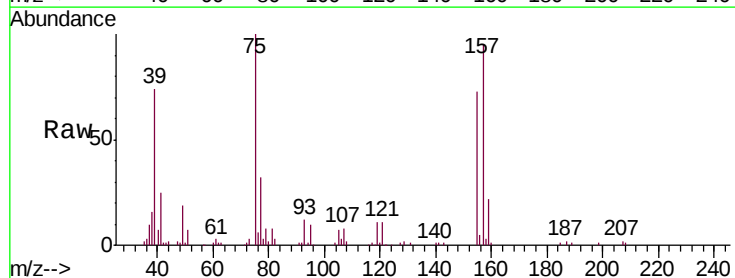
Instrument :
 MSVOA_W
 ClientSampled :
 VICV98

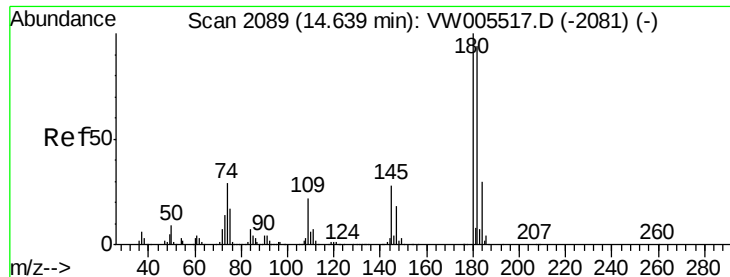
Tgt Ion: 146 Resp: 312621
 Ion Ratio Lower Upper
 146 100
 111 41.9 35.9 53.9
 148 63.2 53.5 80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.694 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

Tgt Ion: 75 Resp: 28334
 Ion Ratio Lower Upper
 75 100
 157 95.1 81.5 122.3
 155 73.0 66.2 99.2

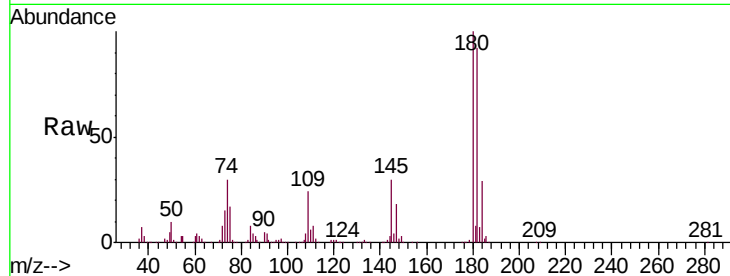




#67
 1,3,5-Trichlorobenzene
 Concen: 25.170 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV98

Tgt Ion:	180	Resp:	260008
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.4
184	30.4	24.1	36.1
145	29.8	23.5	35.3



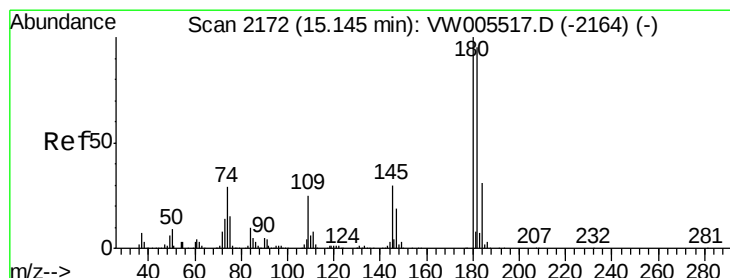
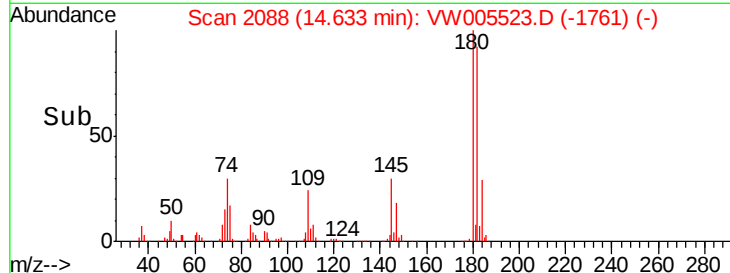
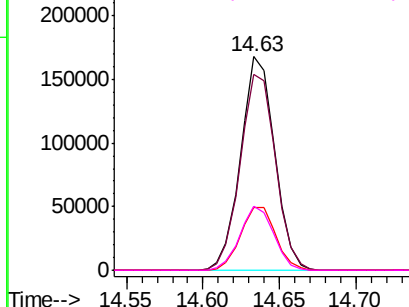
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

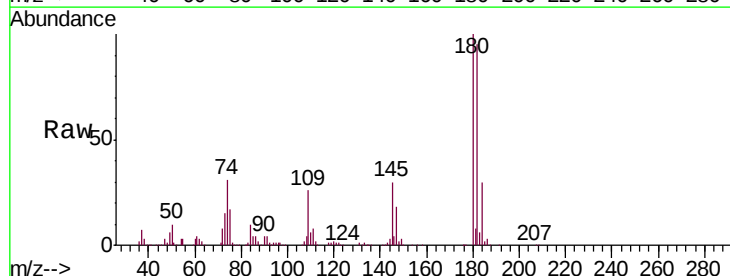
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.496 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW005523.D
 Acq: 19 Sep 2018 20:30

Tgt Ion:	180	Resp:	217126
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.7	115.1
145	30.1	24.6	37.0

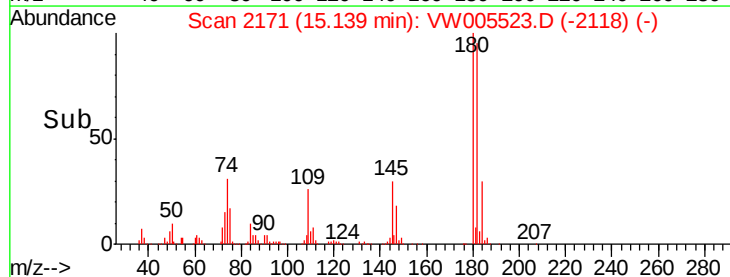
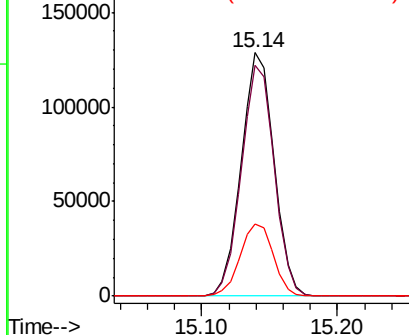


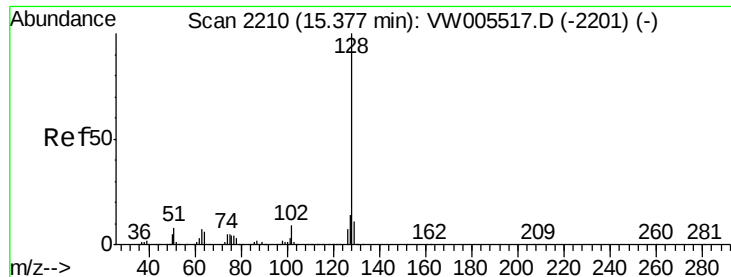
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.212 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

Instrument :

MSVOA_W

ClientSampleId :

VICV98

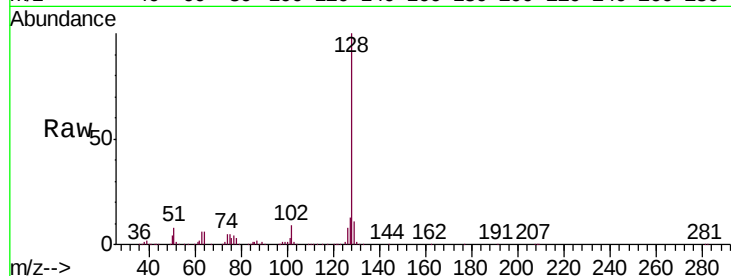
Tgt Ion:128 Resp: 445778

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

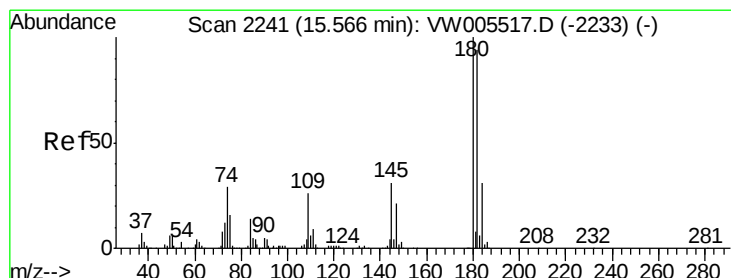
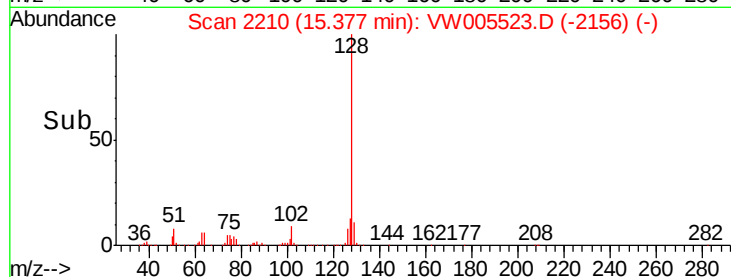
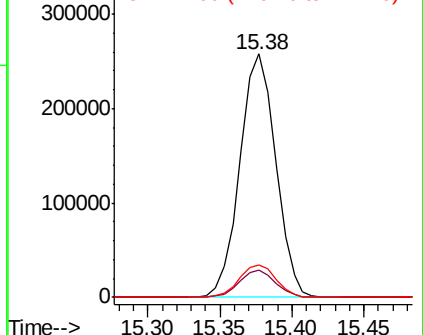
127 13.7 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.293 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005523.D

Acq: 19 Sep 2018 20:30

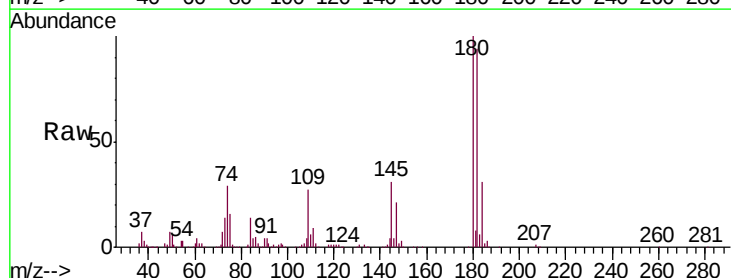
Tgt Ion:180 Resp: 199652

Ion Ratio Lower Upper

180 100

182 96.7 76.6 114.8

145 32.2 25.9 38.9



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

