

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW040618\
 Data File : VW001885.D
 Acq On : 06 Apr 2018 10:34
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Quant Time: Apr 06 22:45:33 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040518S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 06 02:05:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	350723	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.65	117	342088	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	168490	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	108242	20.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.32%
7) Chloroethane-d5	2.89	69	86690	22.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.08%
10) 1,1-Dichloroethene-d2	4.02	63	242028	21.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.84%
20) 2-Butanone-d5	7.08	46	87676	61.54	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.08%
24) Chloroform-d	7.65	84	219404	23.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.24%
26) 1,2-Dichloroethane-d4	8.31	65	131003	21.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.16%
29) Benzene-d6	8.28	84	434433	22.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.68%
33) 1,2-Dichloropropane-d6	9.28	67	137964	21.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.60%
37) Toluene-d8	10.34	98	412393	23.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.52%
38) trans-1,3-Dichloropropene-	10.59	79	58269	21.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.16%
39) 2-Hexanone-d5	10.93	63	65404	48.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.04%
48) 1,1,2,2-Tetrachloroethane-	12.71	84	133263	22.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.92%
61) 1,2-Dichlorobenzene-d4	13.87	152	138595	21.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.84%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	204481	25.46	ug/L	100
3) Chloromethane	2.22	50	185270	25.57	ug/L	98
5) Vinyl chloride	2.36	62	175219	25.94	ug/L	96
6) Bromomethane	2.78	94	85701	27.71	ug/L	98
8) Chloroethane	2.93	64	97186	26.54	ug/L	96
9) Trichlorofluoromethane	3.27	101	238545	25.36	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	140888	24.76	ug/L	99
12) 1,1-Dichloroethene	4.04	96	122878	24.26	ug/L	94
13) Acetone	4.13	43	80499	48.68	ug/L	98
14) Carbon disulfide	4.37	76	478753	26.80	ug/L	100
15) Methyl Acetate	4.67	43	101973	25.89	ug/L	99
16) Methylene chloride	4.92	84	147873	20.35	ug/L	99
17) Methyl tert-butyl Ether	5.44	73	274645	24.09	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	137199	25.27	ug/L	98
19) 1,1-Dichloroethane	6.22	63	259598	24.82	ug/L	98
21) 2-Butanone	7.18	43	113653	49.68	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	138684	24.82	ug/L	98

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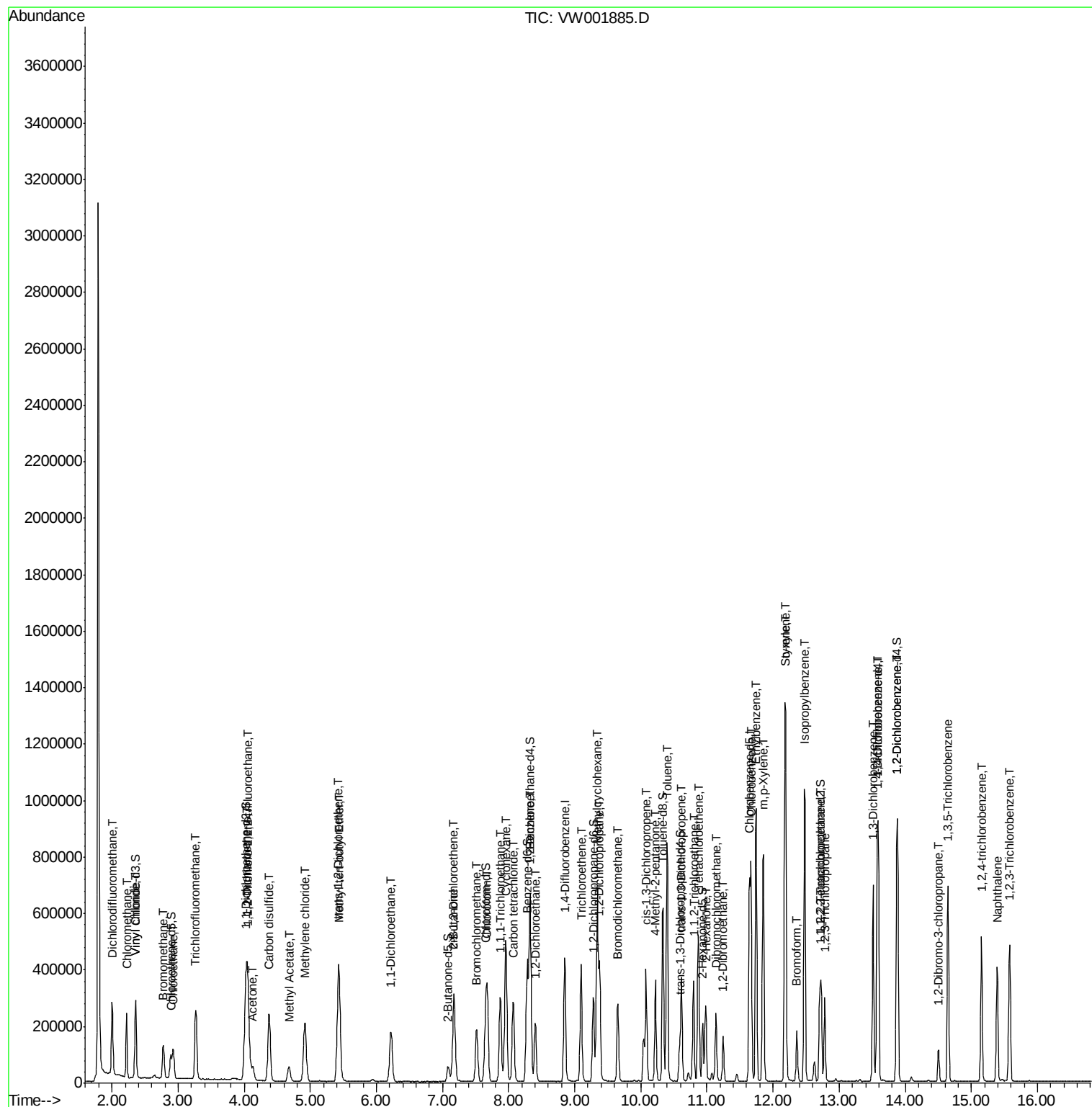
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	60988	24.47	ug/L	93
25) Chloroform	7.68	83	265659	23.45	ug/L	100
27) 1,2-Dichloroethane	8.40	62	179481	23.97	ug/L	99
30) Cyclohexane	7.96	56	242653	26.94	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	234156	25.52	ug/L	98
32) Carbon tetrachloride	8.07	117	209349	24.82	ug/L	99
34) Benzene	8.33	78	564228	25.48	ug/L	100
35) Trichloroethene	9.10	95	145623	24.65	ug/L	100
36) Methylcyclohexane	9.34	83	244954	26.20	ug/L	95
40) 1,2-Dichloropropane	9.37	63	153411	25.70	ug/L	100
41) Bromodichloromethane	9.65	83	179888	24.23	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	203985	24.40	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	230686	50.41	ug/L	100
44) Toluene	10.40	91	598935	25.94	ug/L	99
45) trans-1,3-Dichloropropene	10.62	75	189698	25.60	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	108295	24.24	ug/L	96
47) Tetrachloroethene	10.87	164	117188	25.11	ug/L	98
49) 2-Hexanone	10.98	43	176518	53.21	ug/L	100
50) Dibromochloromethane	11.13	129	125041	24.37	ug/L	100
51) 1,2-Dibromoethane	11.24	107	99990	24.25	ug/L #	95
52) Chlorobenzene	11.67	112	369049	24.65	ug/L	99
53) Ethylbenzene	11.74	91	655415	25.80	ug/L	100
54) m,p-Xylene	11.85	106	246769	26.20	ug/L	94
55) o-xylene	12.18	106	220786	25.63	ug/L	97
56) Styrene	12.20	104	389182	26.35	ug/L	100
57) Isopropylbenzene	12.48	105	625921	26.77	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.73	83	147492	24.74	ug/L	98
59) 1,2,3-Trichloropropane	12.78	75	118313	25.19	ug/L	97
62) Bromoform	12.36	173	78526	24.81	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	268559	24.77	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	285293	24.25	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	260505	24.25	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.51	75	28934	25.49	ug/L	95
67) 1,3,5-Trichlorobenzene	14.65	180	201801	23.88	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	158790	23.68	ug/L	99
69) Naphthalene	15.39	128	326491	24.04	ug/L	100
70) 1,2,3-Trichlorobenzene	15.58	180	160078	25.01	ug/L	99

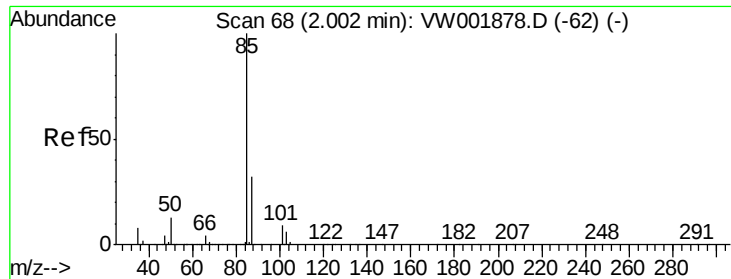
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#2

Dichlorodifluoromethane

Concen: 25.46 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

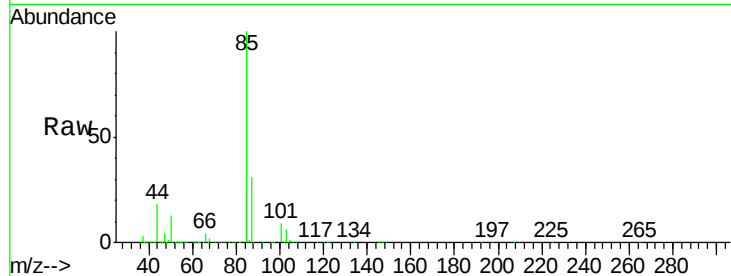
VSTD02588

Tgt Ion: 85 Resp: 204481

Ion Ratio Lower Upper

85 100

87 32.1 22.3 41.5



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.00

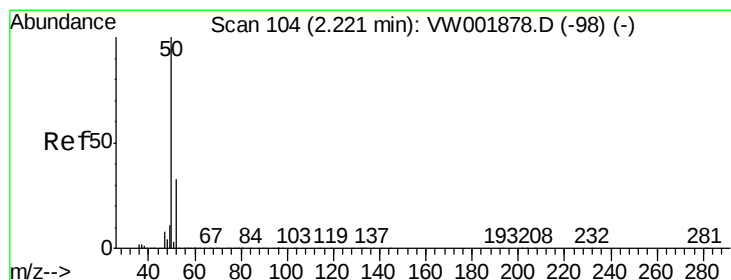
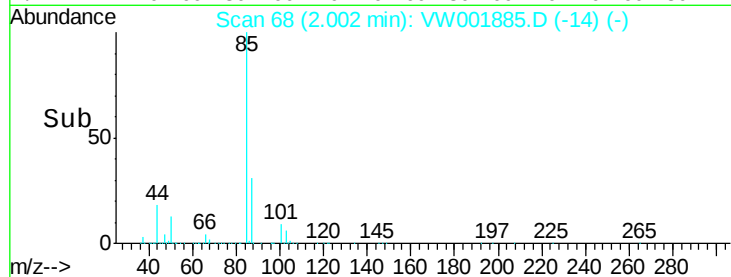
150000

100000

50000

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Time-->



#3

Chloromethane

Concen: 25.57 ug/L

RT: 2.22 min Scan# 104

Delta R.T. 0.00 min

Lab File: VW001885.D

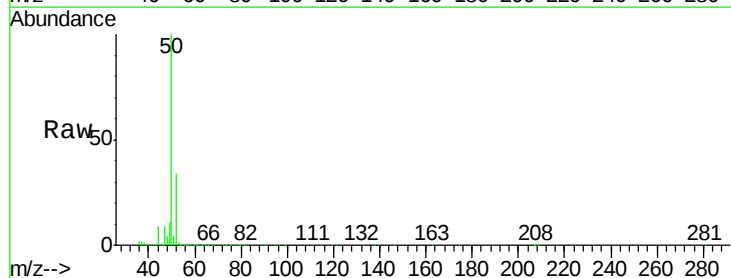
Acq: 06 Apr 2018 10:34

Tgt Ion: 50 Resp: 185270

Ion Ratio Lower Upper

50 100

52 34.0 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.22

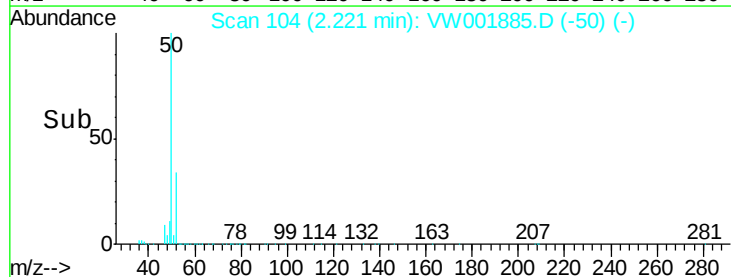
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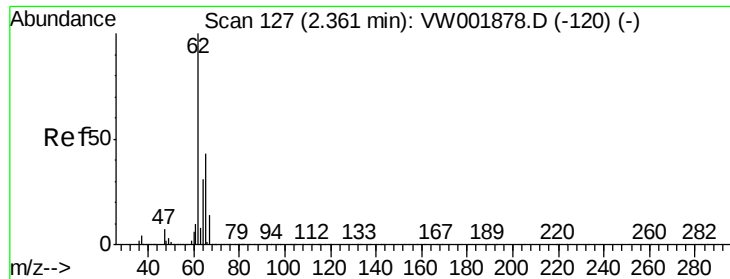
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50000

0

Time-->





#5

Vinyl chloride

Concen: 25.94 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.00 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

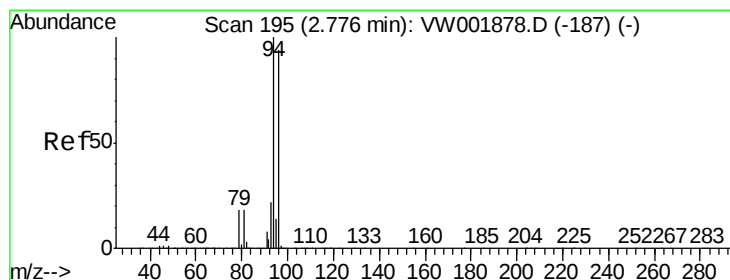
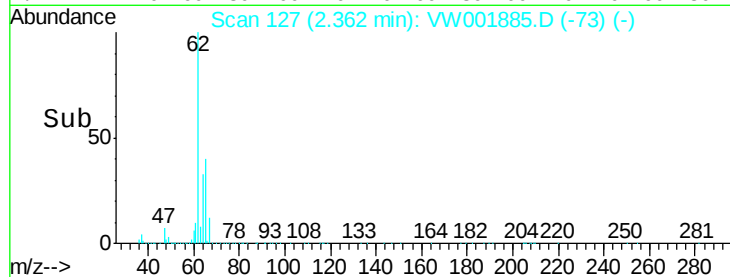
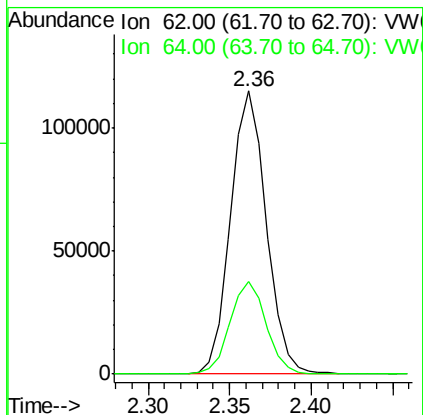
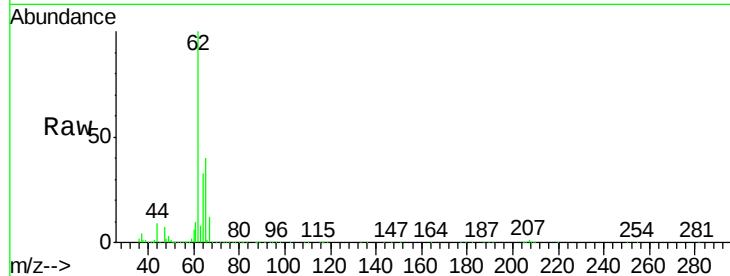
VSTD02588

Tgt Ion: 62 Resp: 175219

Ion Ratio Lower Upper

62 100

64 32.9 21.4 39.8



#6

Bromomethane

Concen: 27.71 ug/L

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW001885.D

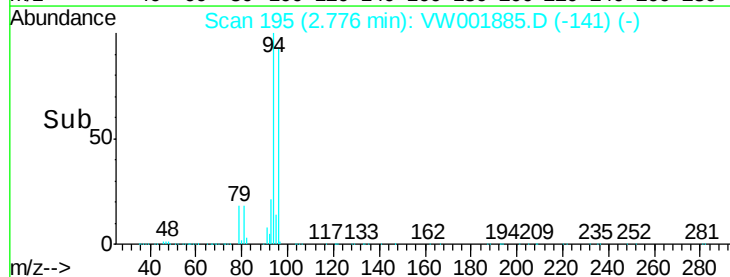
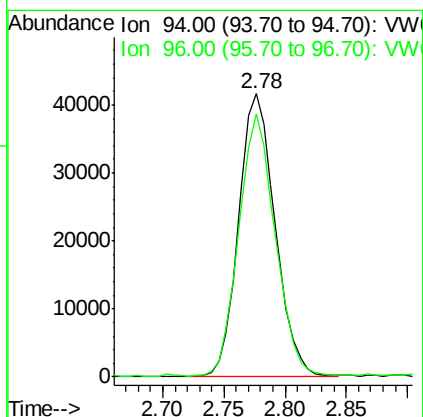
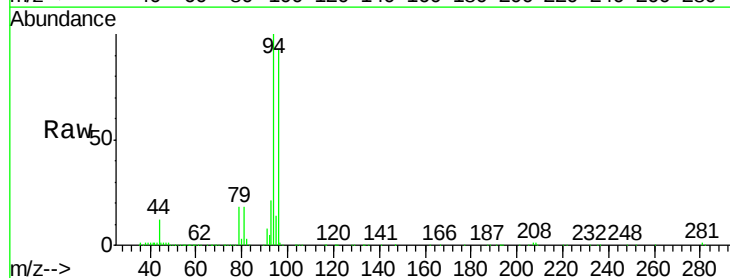
Acq: 06 Apr 2018 10:34

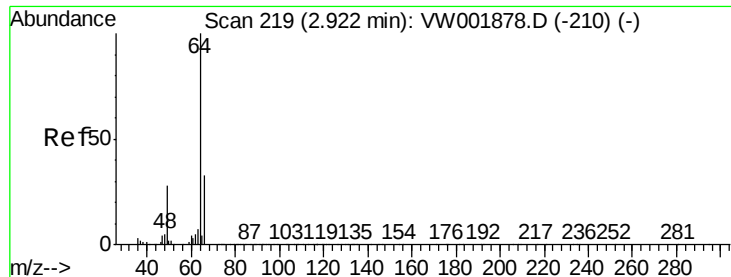
Tgt Ion: 94 Resp: 85701

Ion Ratio Lower Upper

94 100

96 93.1 9.5 179.7





#8

Chloroethane

Concen: 26.54 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

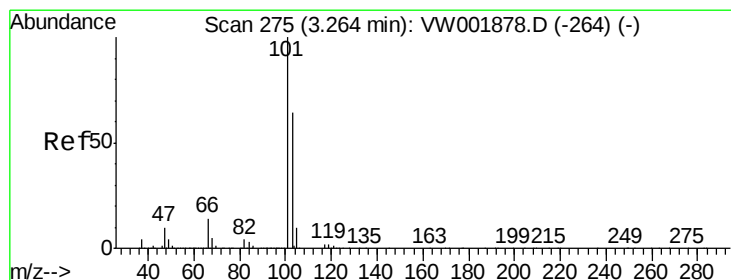
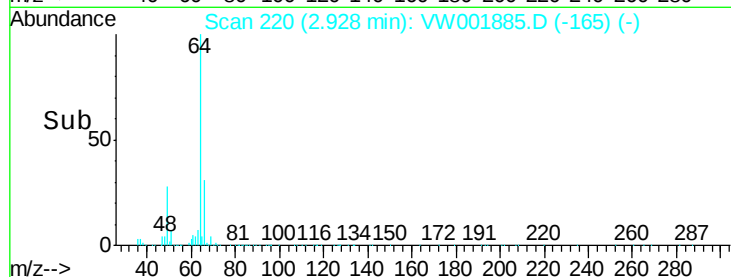
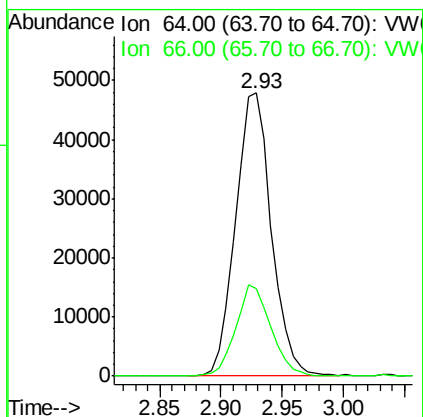
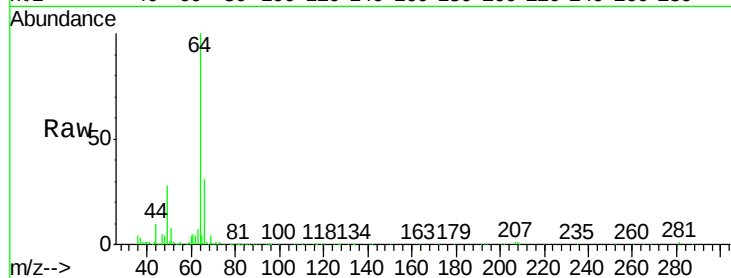
VSTD02588

Tgt Ion: 64 Resp: 97186

Ion Ratio Lower Upper

64 100

66 31.1 23.4 43.4



#9

Trichlorofluoromethane

Concen: 25.36 ug/L

RT: 3.27 min Scan# 276

Delta R.T. 0.01 min

Lab File: VW001885.D

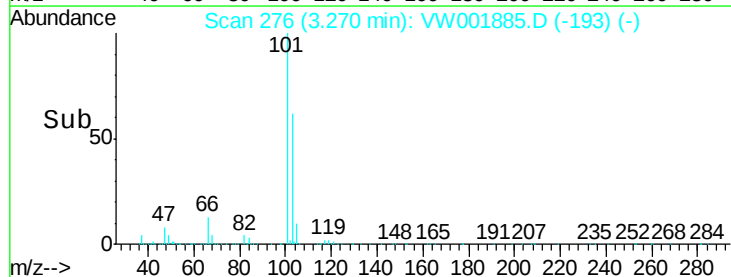
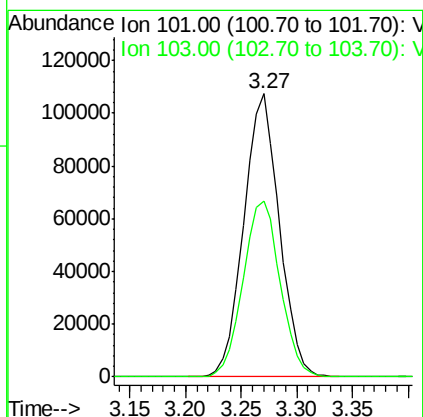
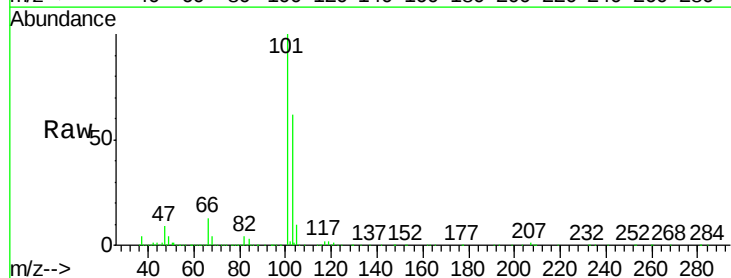
Acq: 06 Apr 2018 10:34

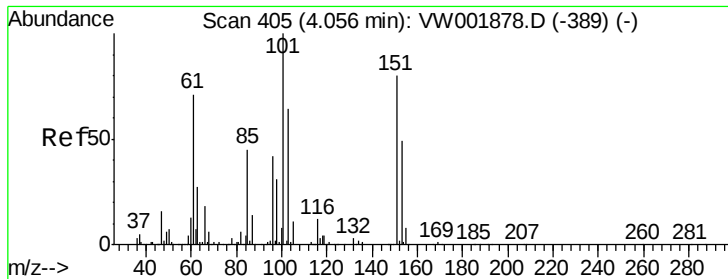
Tgt Ion: 101 Resp: 238545

Ion Ratio Lower Upper

101 100

103 64.9 45.2 84.0





#11

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

Concen: 24.76 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW001885.D

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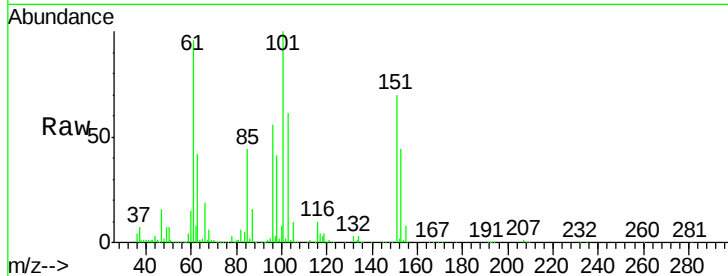
Tgt Ion: 101 Resp: 140888

Ion Ratio Lower Upper

101 100

85 45.6 35.8 53.8

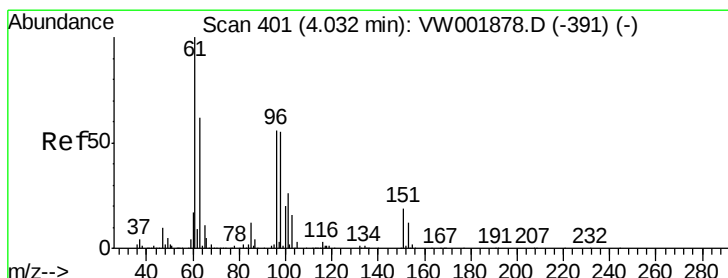
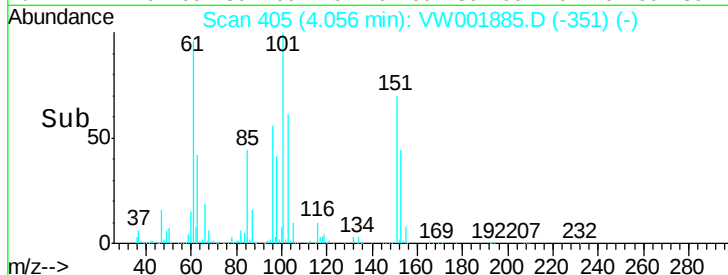
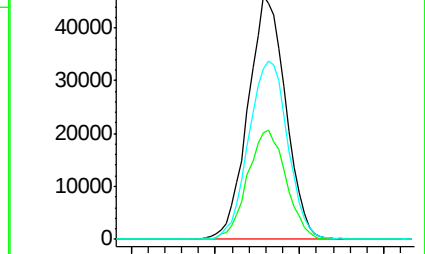
151 75.8 61.5 92.3



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: 24.26 ug/L

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

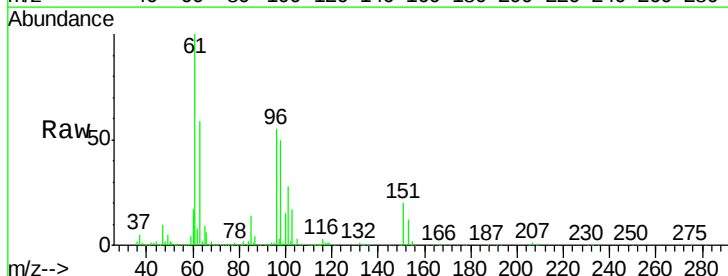
Tgt Ion: 96 Resp: 122878

Ion Ratio Lower Upper

96 100

61 183.2 127.1 236.1

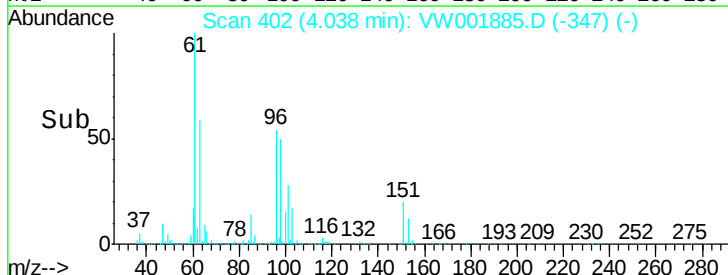
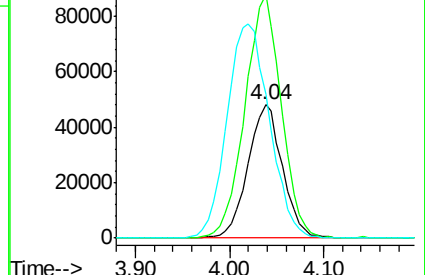
63 108.3 86.5 160.7

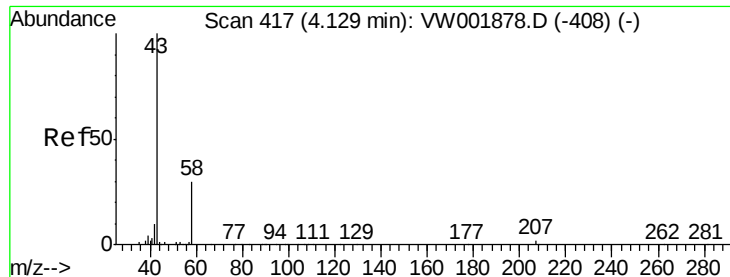


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.68 ug/L

RT: 4.13 min Scan# 417

Delta R.T. 0.00 min

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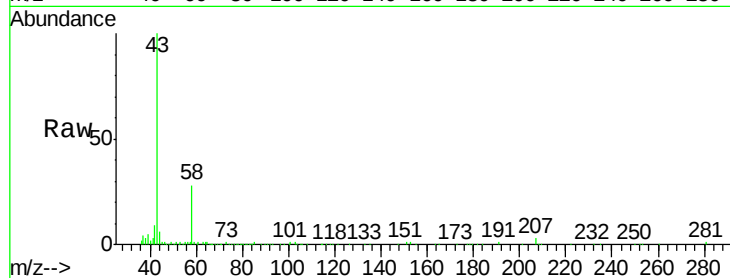
VSTD02588

Tgt Ion: 43 Resp: 80499

Ion Ratio Lower Upper

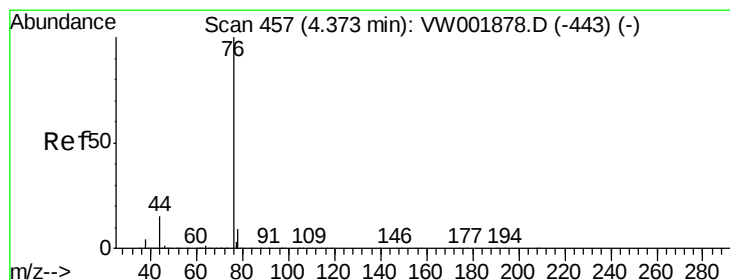
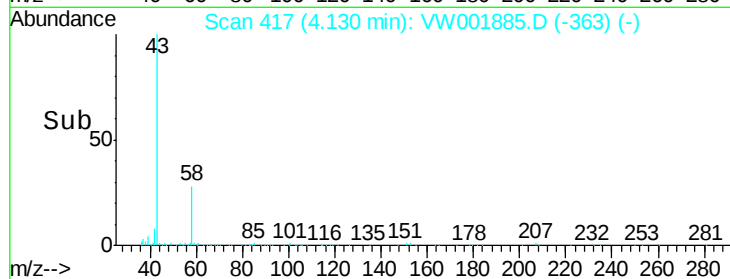
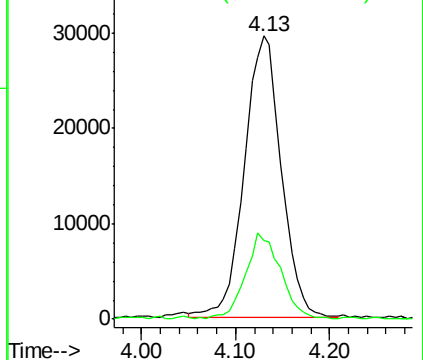
43 100

58 28.9 0.0 59.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 26.80 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW001885.D

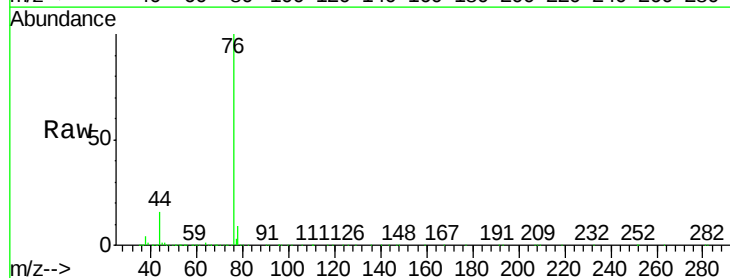
Acq: 06 Apr 2018 10:34

Tgt Ion: 76 Resp: 478753

Ion Ratio Lower Upper

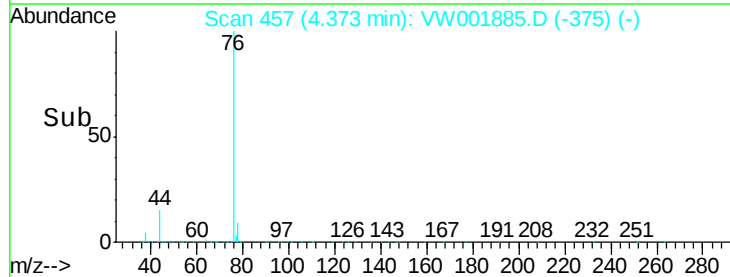
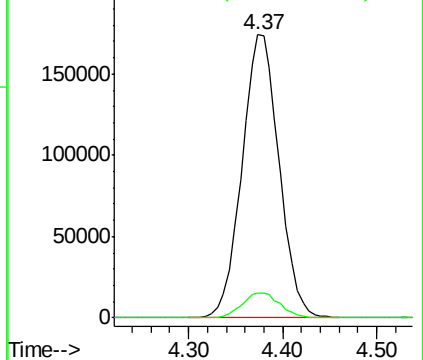
76 100

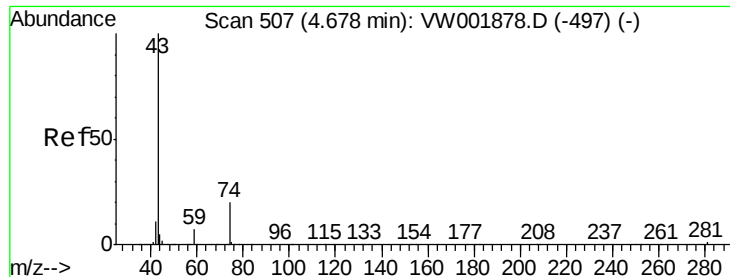
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

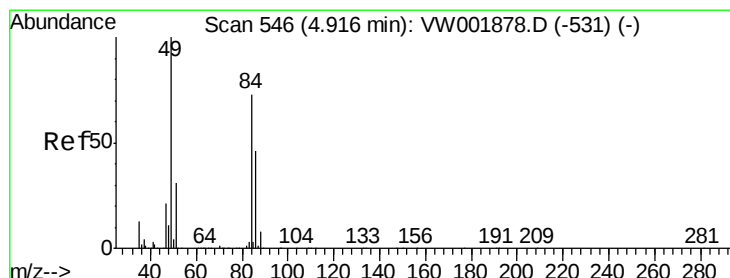
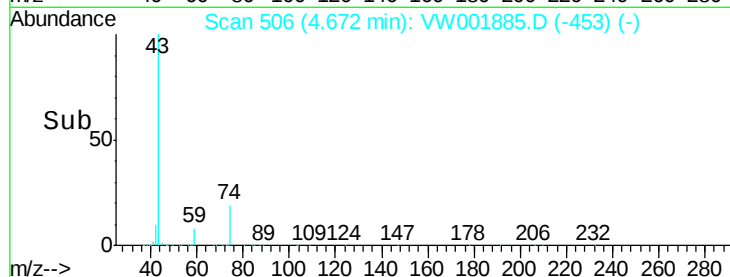
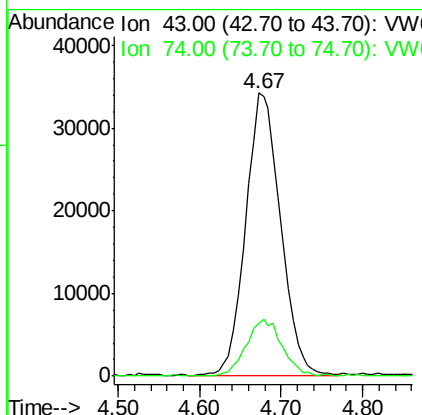
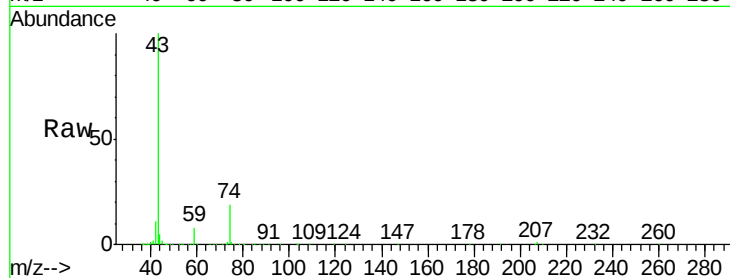




#15
Methyl Acetate
Concen: 25.89 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW001885.D
Acq: 06 Apr 2018 10:34

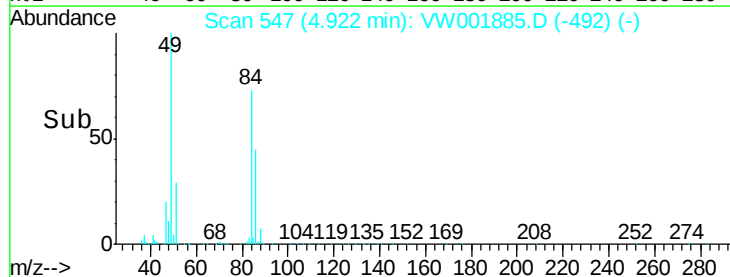
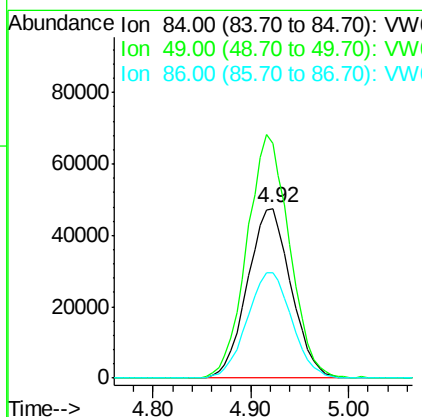
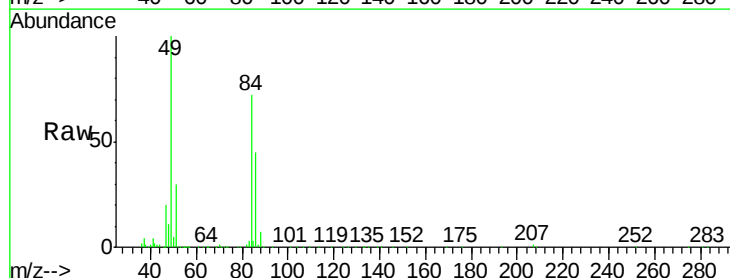
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

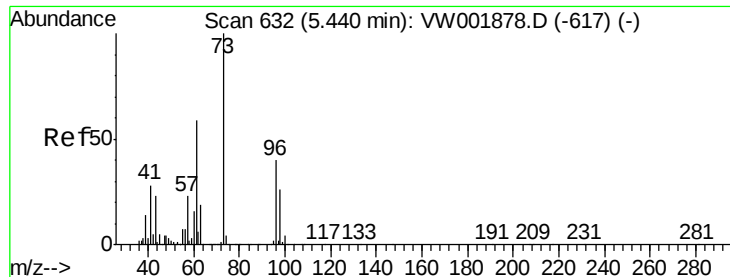
Tgt Ion: 43 Resp: 101973
Ion Ratio Lower Upper
43 100
74 20.5 17.0 25.4



#16
Methylene chloride
Concen: 20.35 ug/L
RT: 4.92 min Scan# 547
Delta R.T. 0.01 min
Lab File: VW001885.D
Acq: 06 Apr 2018 10:34

Tgt Ion: 84 Resp: 147873
Ion Ratio Lower Upper
84 100
49 138.3 96.2 178.6
86 62.1 44.1 81.9

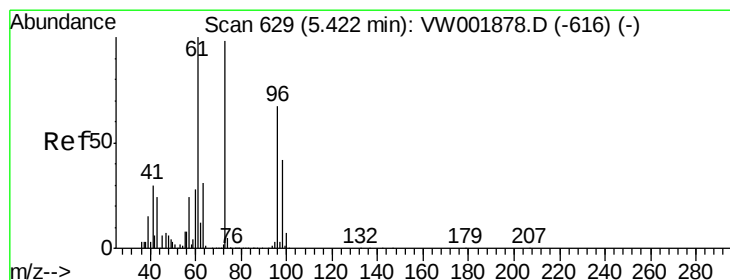
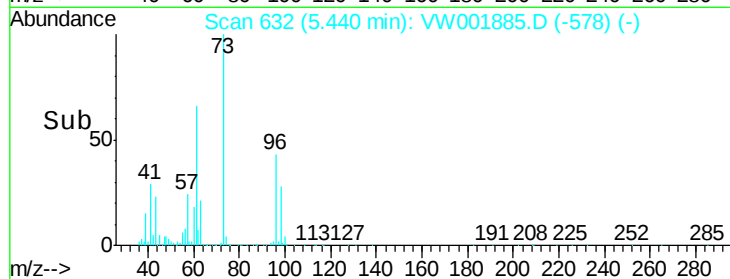
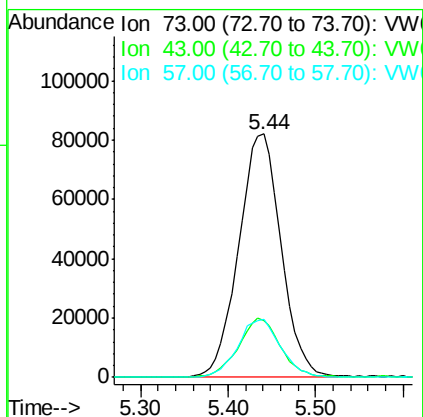
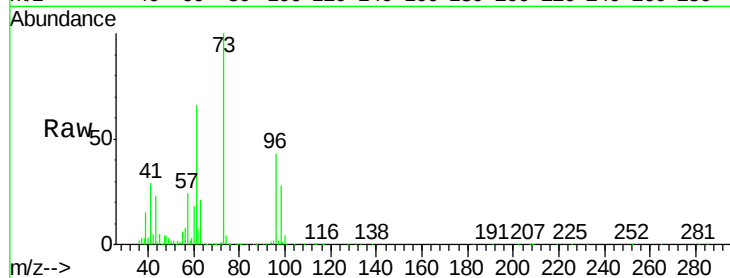




#17
Methyl tert-butyl Ether
Concen: 24.09 ug/L
RT: 5.44 min Scan# 632
Delta R.T. 0.00 min
Lab File: VW001885.D
Acq: 06 Apr 2018 10:34

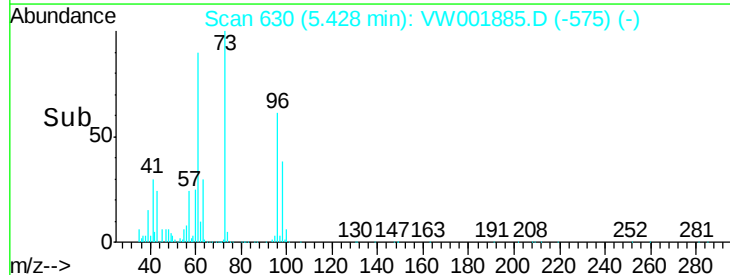
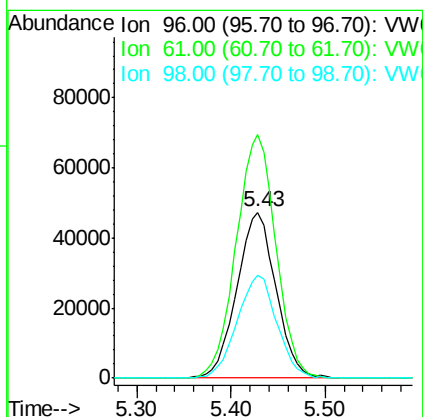
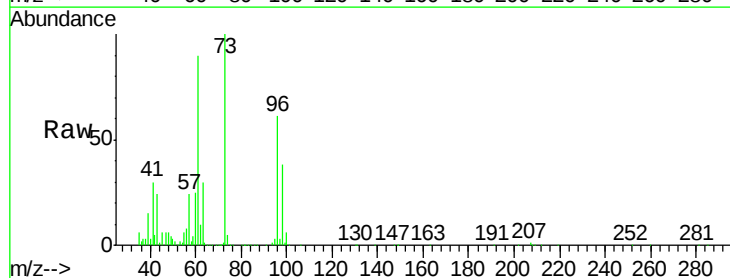
Instrument :
MSVOA_W
ClientSampled :
VSTD02588

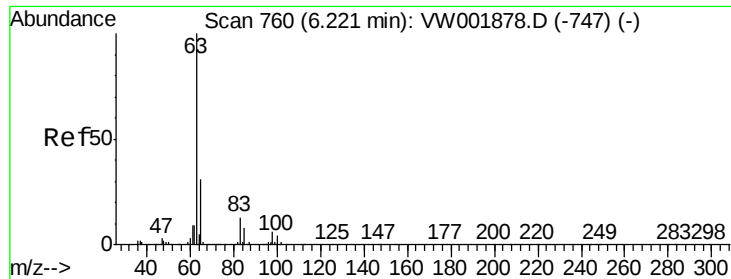
Tgt Ion: 73 Resp: 274645
Ion Ratio Lower Upper
73 100
43 24.0 18.6 28.0
57 24.1 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 25.27 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW001885.D
Acq: 06 Apr 2018 10:34

Tgt Ion: 96 Resp: 137199
Ion Ratio Lower Upper
96 100
61 146.7 104.3 193.7
98 61.9 44.2 82.0

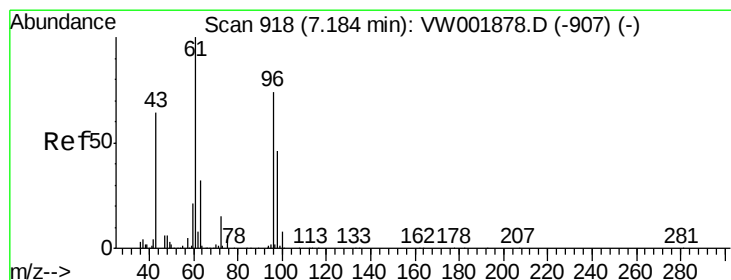
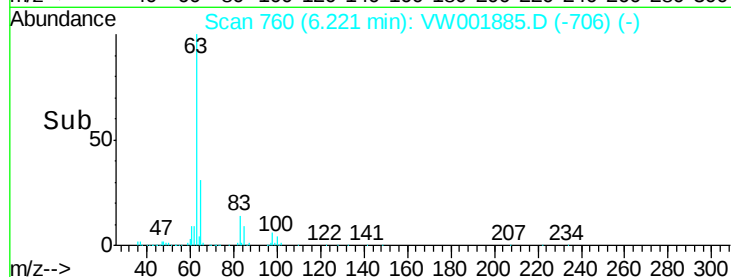
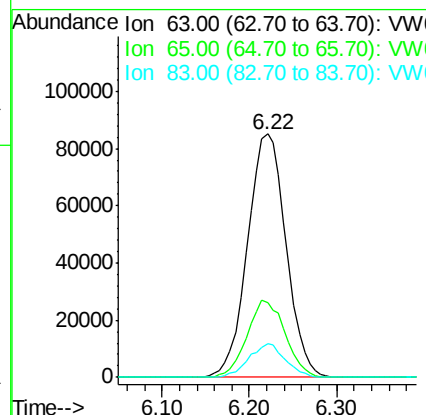
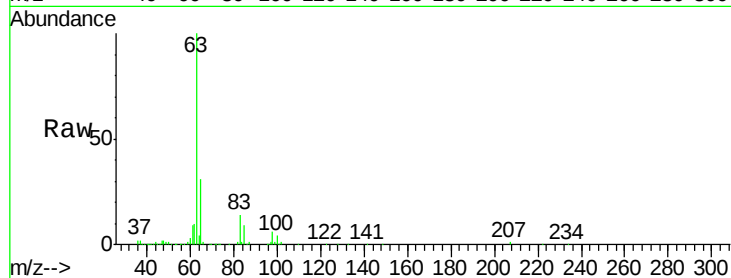




#19
 1,1-Dichloroethane
 Concen: 24.82 ug/L
 RT: 6.22 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VW001885.D
 Acq: 06 Apr 2018 10:34

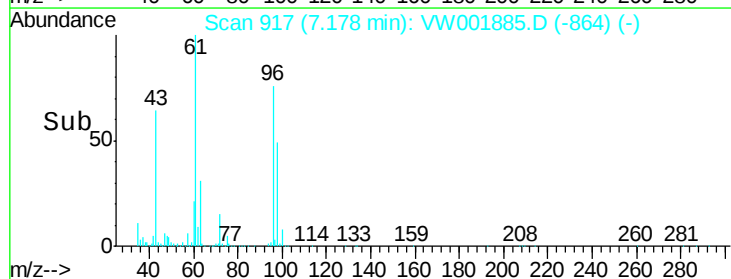
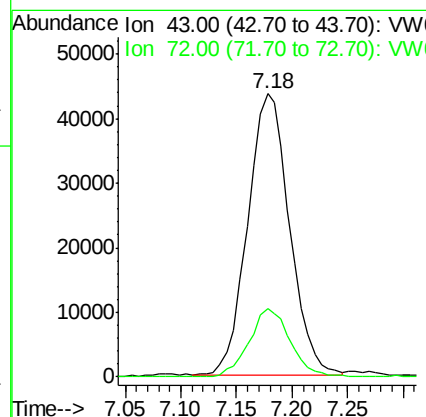
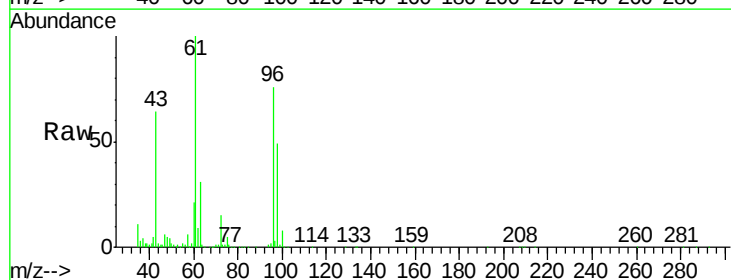
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

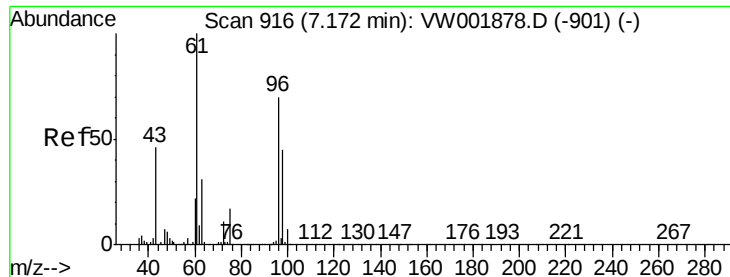
Tgt Ion: 63 Resp: 259598
 Ion Ratio Lower Upper
 63 100
 65 30.5 21.7 40.3
 83 14.1 8.8 16.4



#21
 2-Butanone
 Concen: 49.68 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VW001885.D
 Acq: 06 Apr 2018 10:34

Tgt Ion: 43 Resp: 113653
 Ion Ratio Lower Upper
 43 100
 72 24.0 12.2 36.6



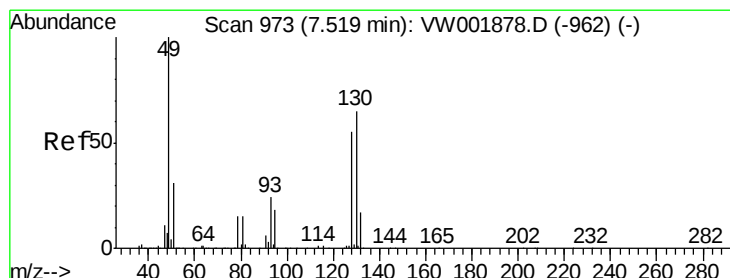
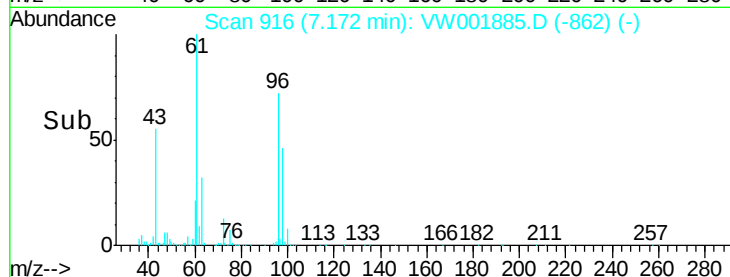
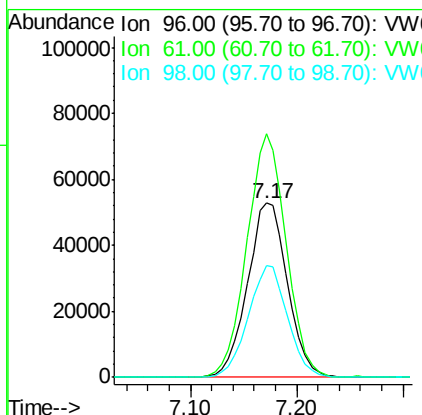
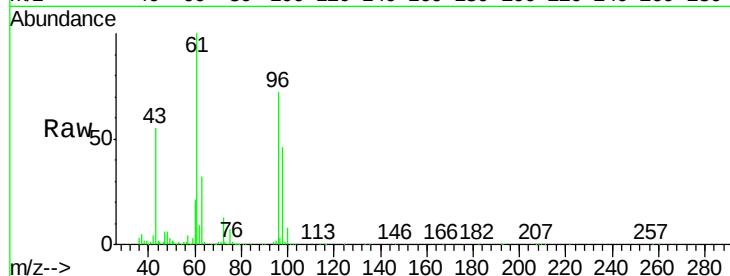


#22

cis-1,2-Dichloroethene
 Concen: 24.82 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW001885.D
 Acq: 06 Apr 2018 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

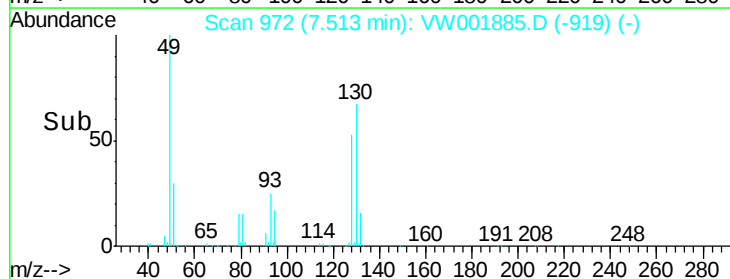
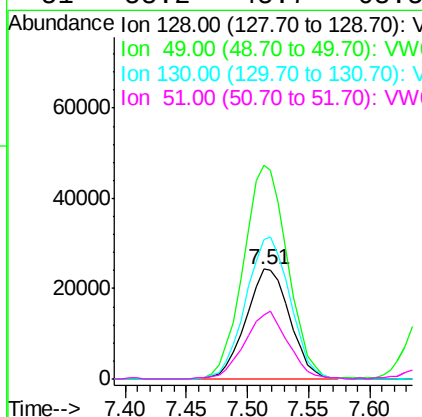
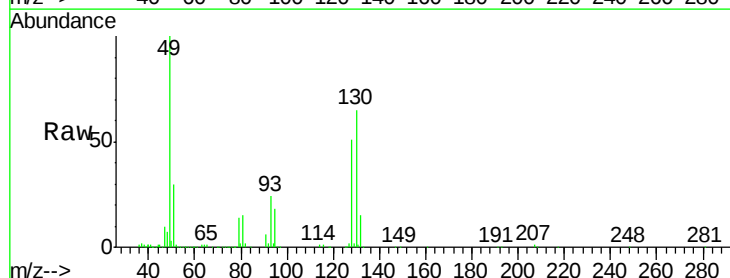
Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.8	99.5	184.9
98	64.1	45.2	84.0

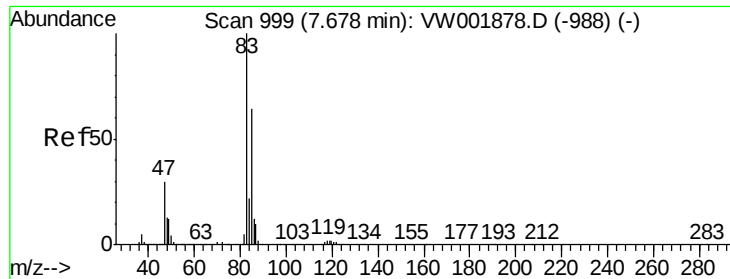


#23

Bromochloromethane
 Concen: 24.47 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: VW001885.D
 Acq: 06 Apr 2018 10:34

Tgt Ion	Ratio	Lower	Upper
128	100		
49	194.4	127.9	237.5
130	126.7	82.9	153.9
51	58.2	45.7	68.5





#25

Chloroform

Concen: 23.45 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

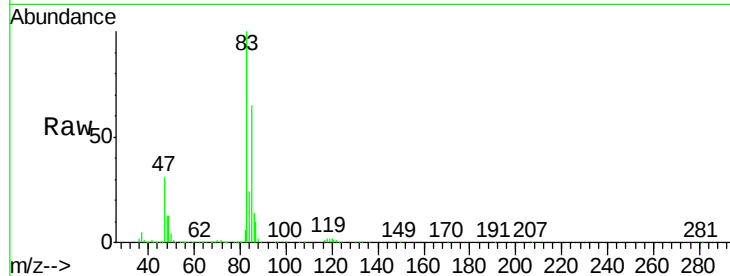
VSTD02588

Tgt Ion: 83 Resp: 265659

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

120000

100000

80000

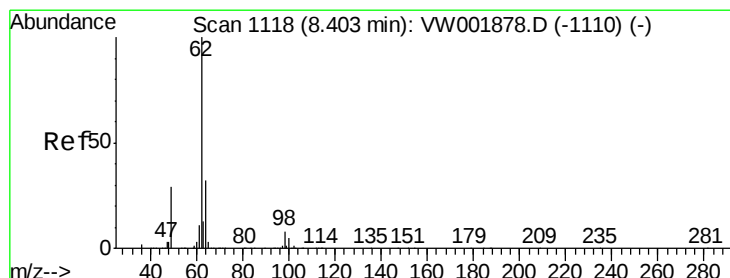
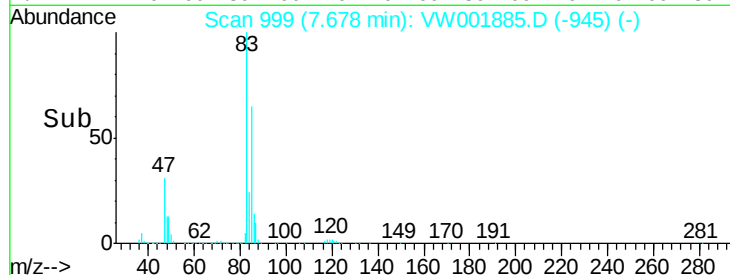
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 23.97 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW001885.D

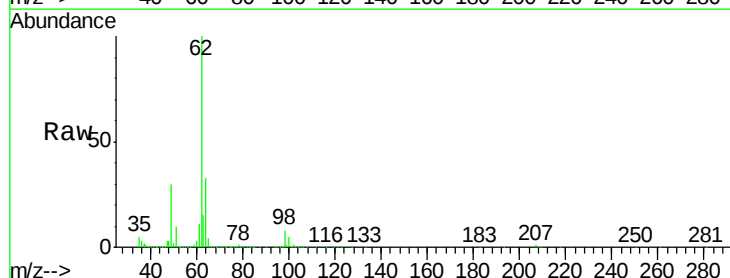
Acq: 06 Apr 2018 10:34

Tgt Ion: 62 Resp: 179481

Ion Ratio Lower Upper

62 100

98 8.0 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

100000

80000

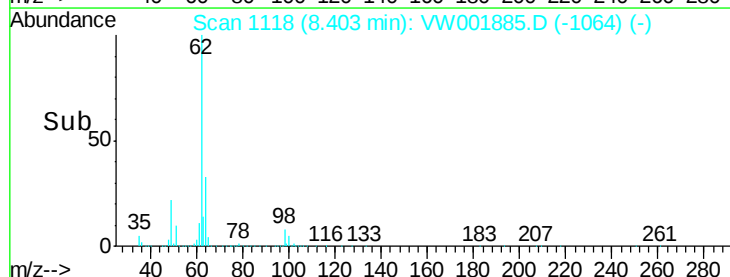
60000

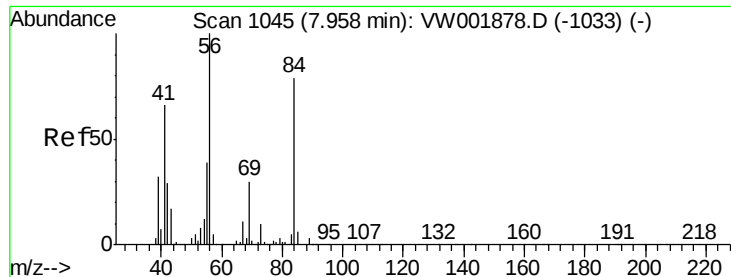
40000

20000

0

Time-->

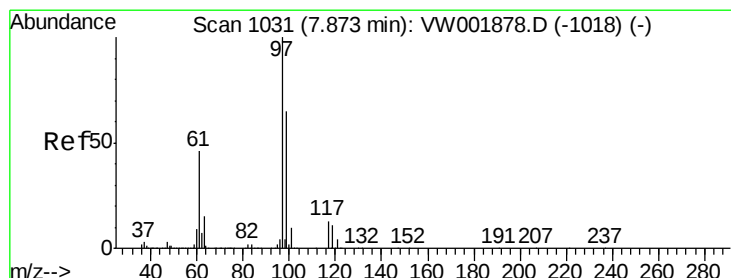
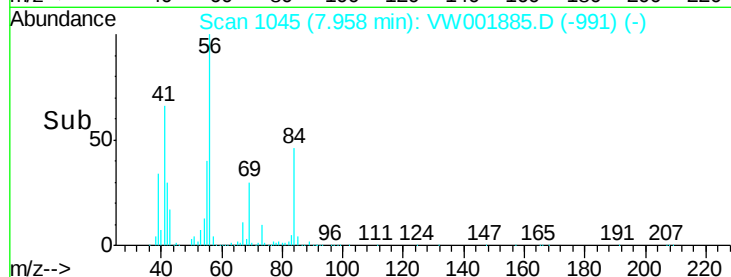
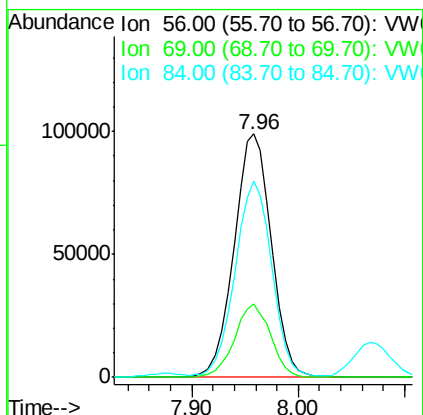
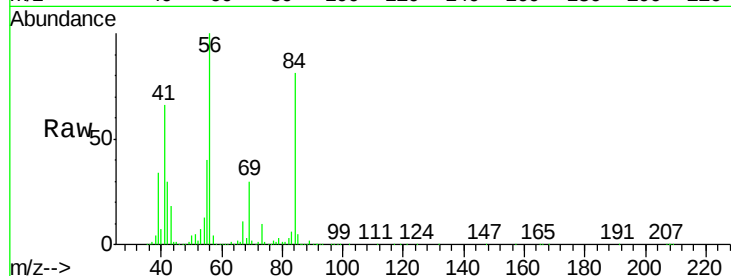




#30
Cyclohexane
Concen: 26.94 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW001885.D
Acq: 06 Apr 2018 10:34

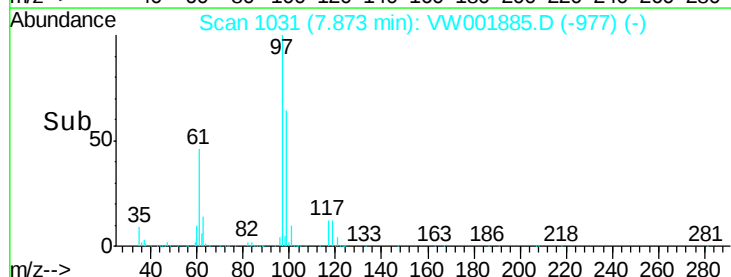
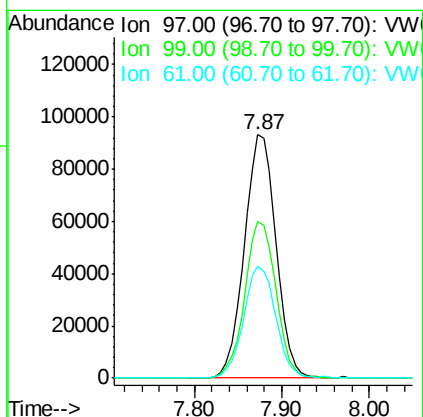
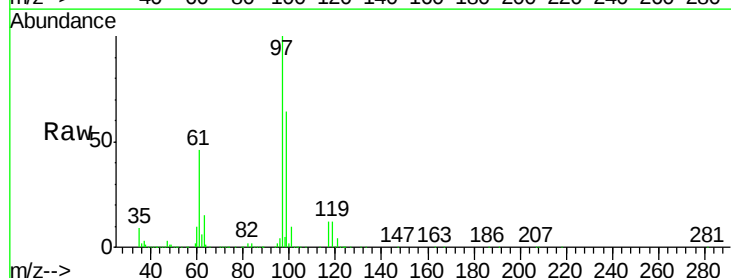
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

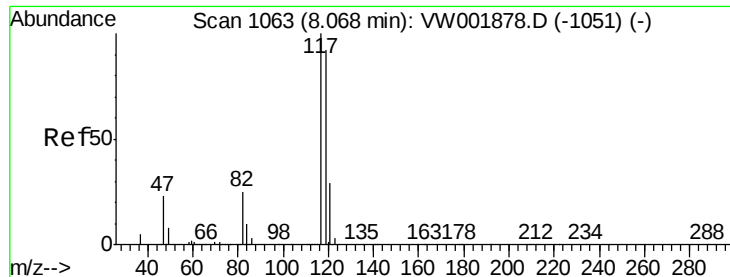
Tgt Ion	Resp	Lower	Upper
56	242653		
69	29.4	22.9	34.3
84	80.1	64.3	96.5



#31
1,1,1-Trichloroethane
Concen: 25.52 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW001885.D
Acq: 06 Apr 2018 10:34

Tgt Ion	Resp	Lower	Upper
97	234156		
61	46.5	38.0	57.0
99	63.6	52.0	78.0





#32

Carbon tetrachloride

Concen: 24.82 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

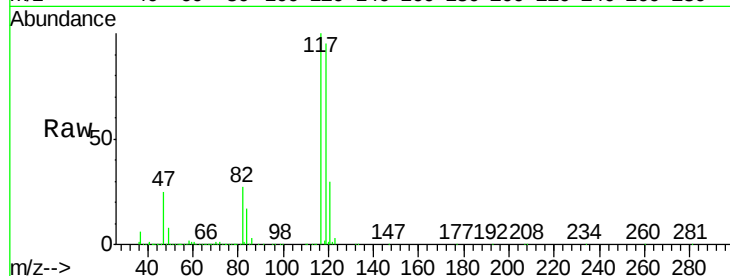
VSTD02588

Tgt Ion:117 Resp: 209349

Ion Ratio Lower Upper

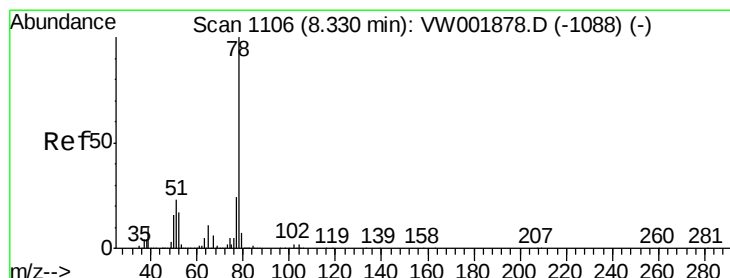
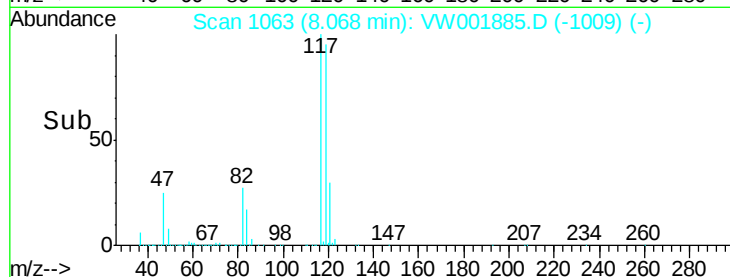
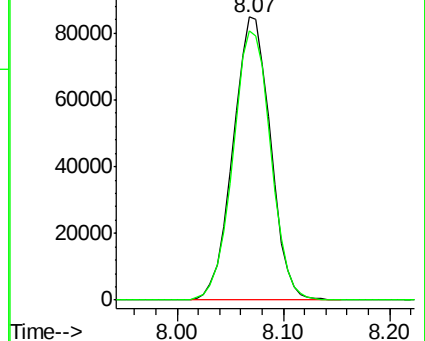
117 100

119 96.2 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.48 ug/L

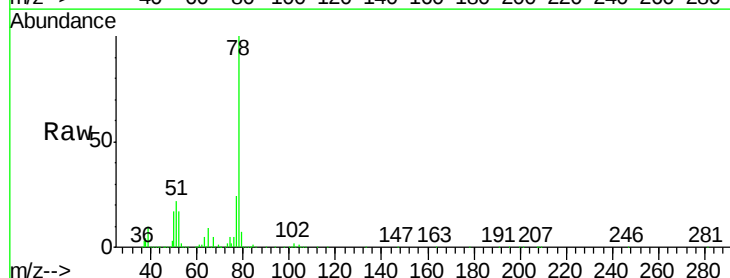
RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

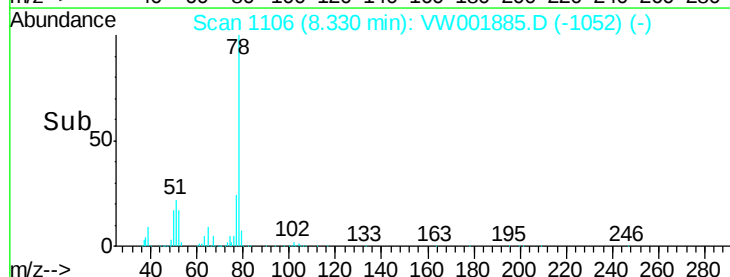
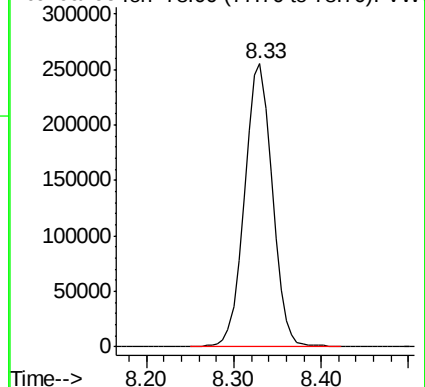
Lab File: VW001885.D

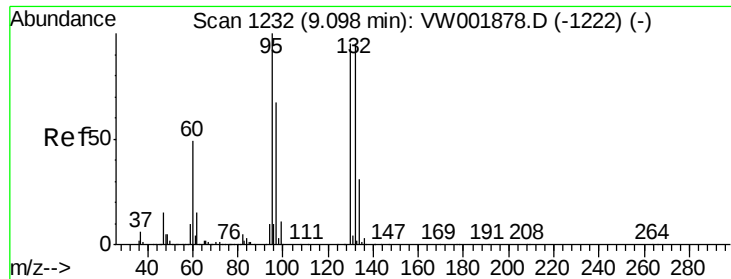
Acq: 06 Apr 2018 10:34

Tgt Ion: 78 Resp: 564228



Abundance Ion 78.00 (77.70 to 78.70): VW

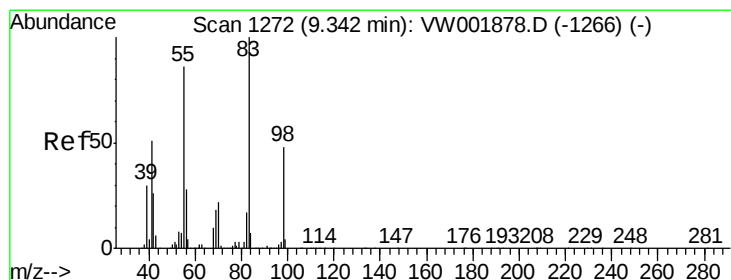
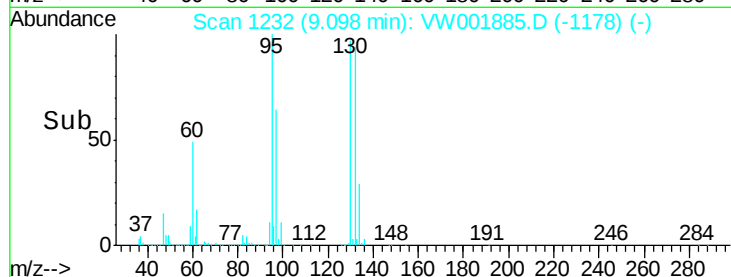
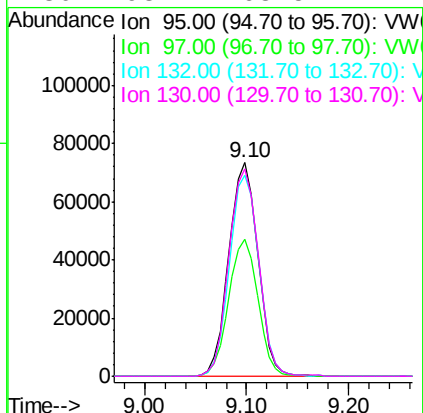
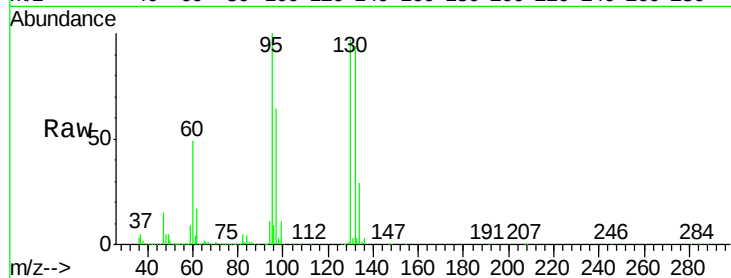




#35
 Trichloroethene
 Concen: 24.65 ug/L
 RT: 9.10 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VW001885.D
 Acq: 06 Apr 2018 10:34

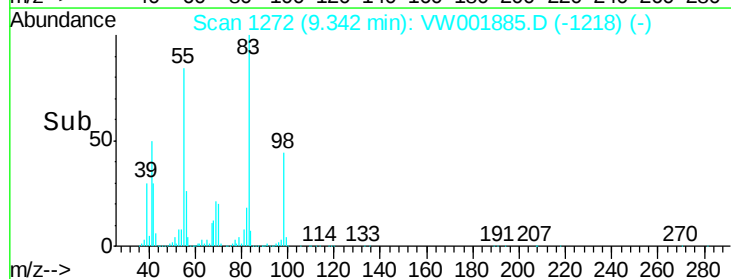
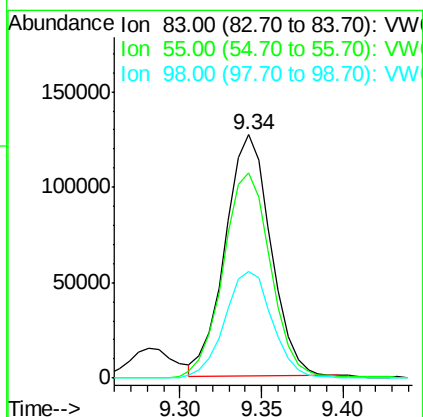
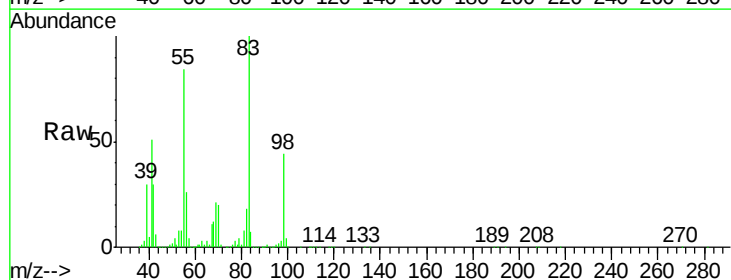
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

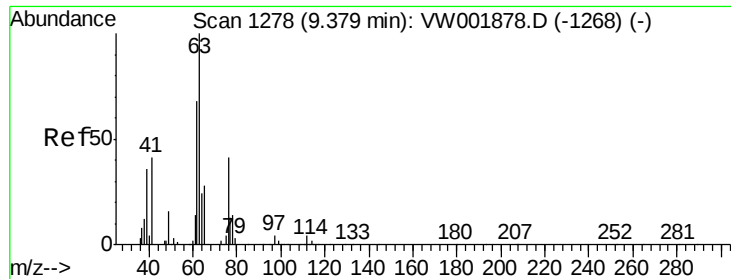
Tgt Ion: 95 Resp: 145623
 Ion Ratio Lower Upper
 95 100
 97 64.6 44.9 83.3
 132 94.8 66.2 123.0
 130 98.4 68.5 127.1



#36
 Methylcyclohexane
 Concen: 26.20 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VW001885.D
 Acq: 06 Apr 2018 10:34

Tgt Ion: 83 Resp: 244954
 Ion Ratio Lower Upper
 83 100
 55 88.8 67.0 100.4
 98 46.5 35.9 53.9

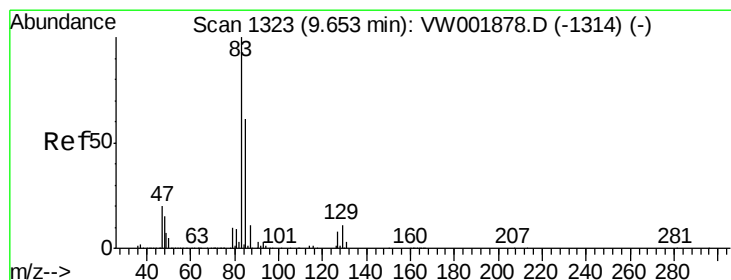
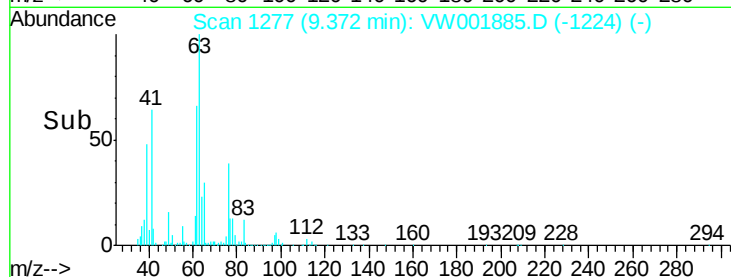
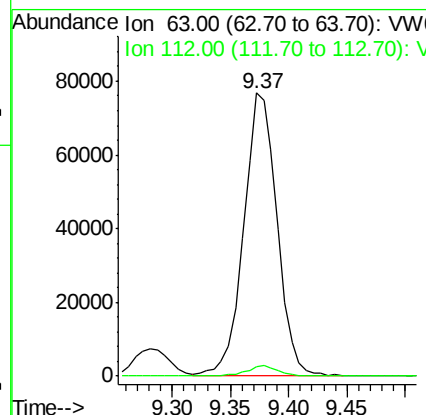
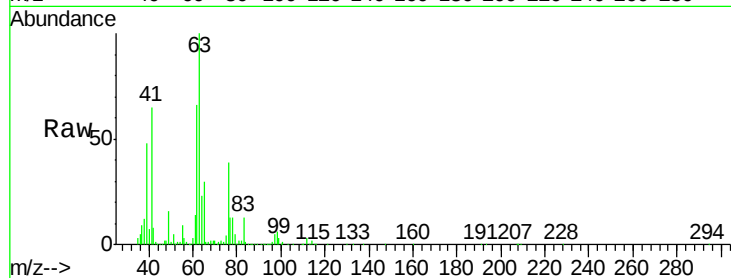




#40
 1,2-Dichloropropane
 Concen: 25.70 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VW001885.D
 Acq: 06 Apr 2018 10:34

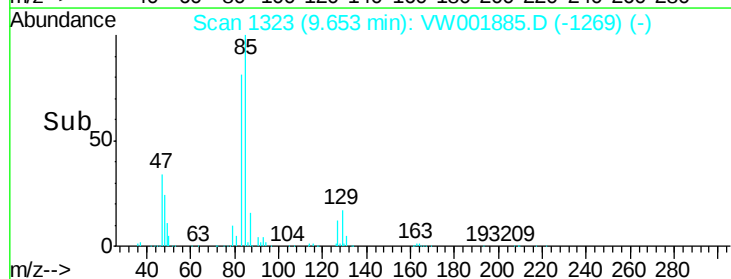
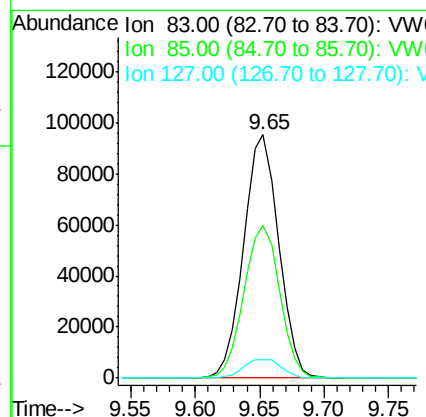
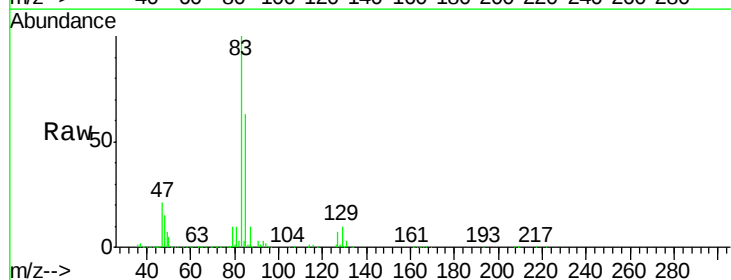
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

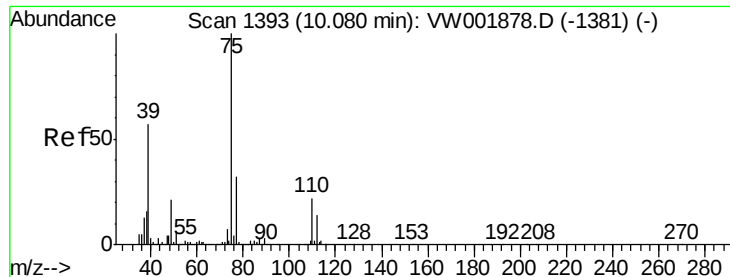
Tgt Ion: 63 Resp: 153411
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.9 4.3



#41
 Bromodichloromethane
 Concen: 24.23 ug/L
 RT: 9.65 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VW001885.D
 Acq: 06 Apr 2018 10:34

Tgt Ion: 83 Resp: 179888
 Ion Ratio Lower Upper
 83 100
 85 62.5 42.7 79.3
 127 7.4 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 24.40 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

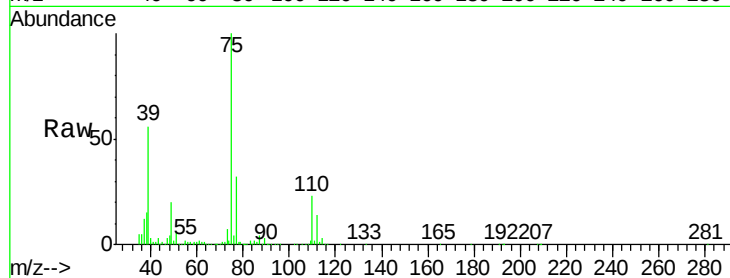
VSTD02588

Tgt Ion: 75 Resp: 203985

Ion Ratio Lower Upper

75 100

77 31.7 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.08

120000

100000

80000

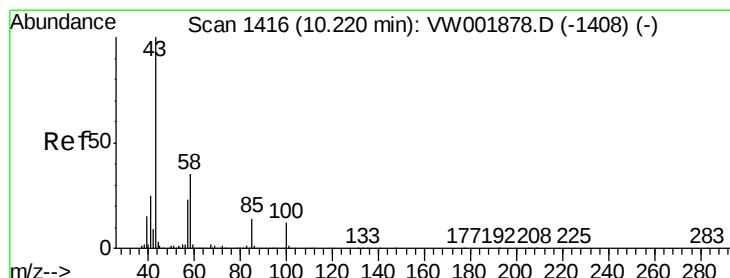
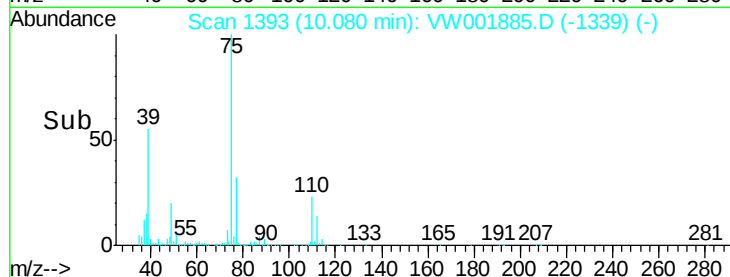
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 50.41 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

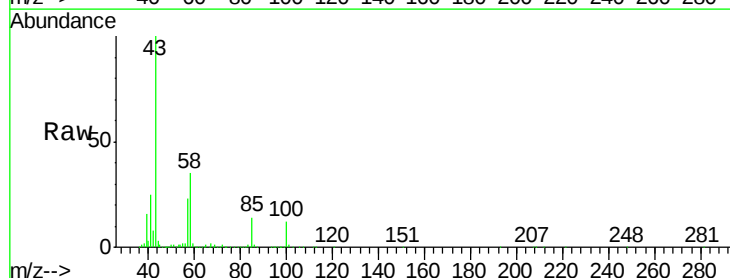
Tgt Ion: 43 Resp: 230686

Ion Ratio Lower Upper

43 100

58 35.1 28.1 42.1

100 12.1 9.6 14.4



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

10.22

200000

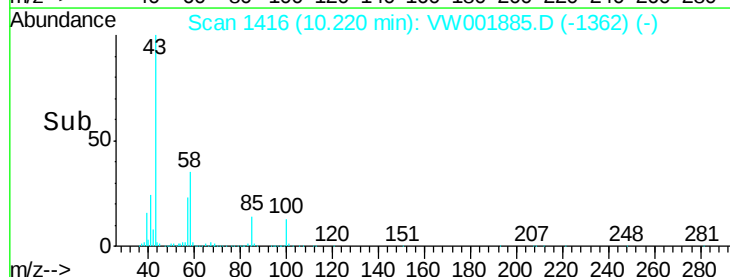
150000

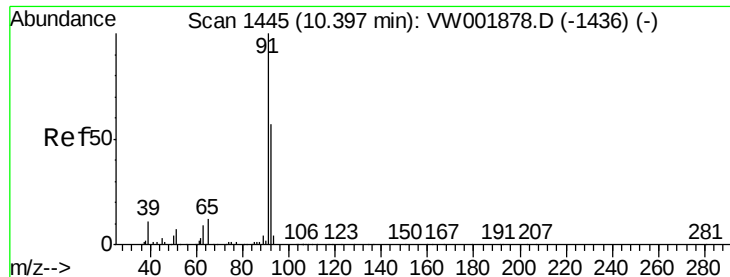
100000

50000

0

Time-->





#44

Toluene

Concen: 25.94 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

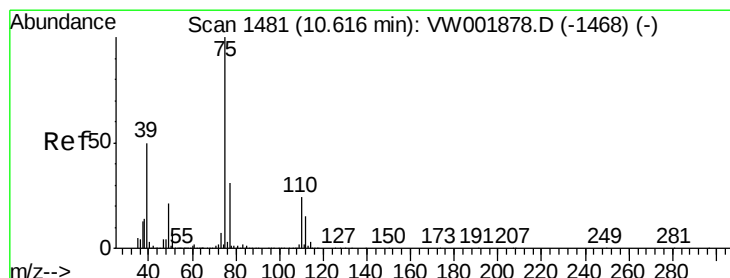
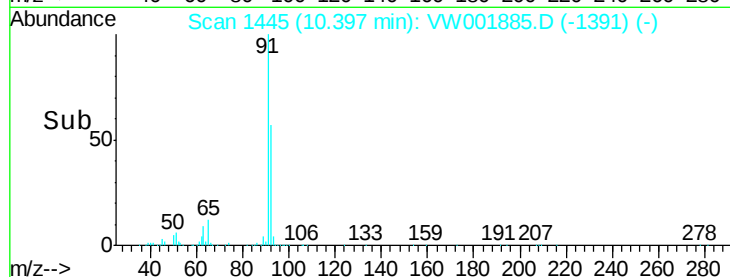
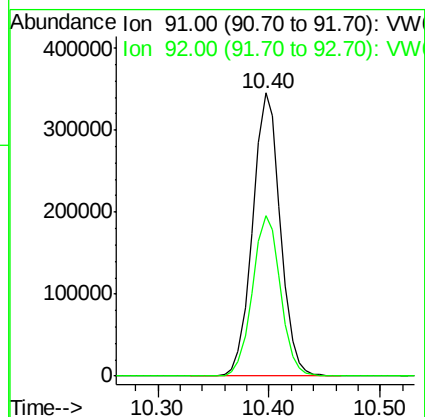
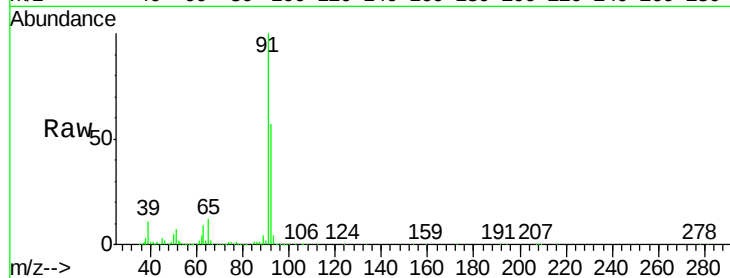
VSTD02588

Tgt Ion: 91 Resp: 598935

Ion Ratio Lower Upper

91 100

92 56.7 40.0 74.2



#45

trans-1,3-Dichloropropene

Concen: 25.60 ug/L

RT: 10.62 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW001885.D

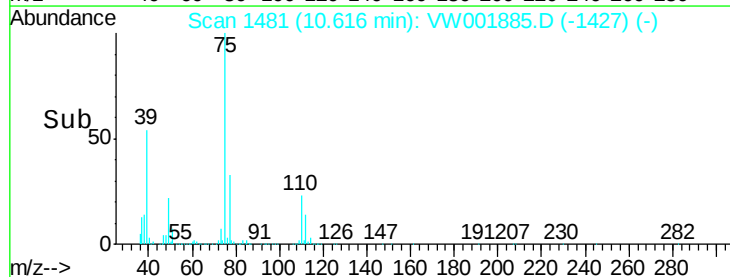
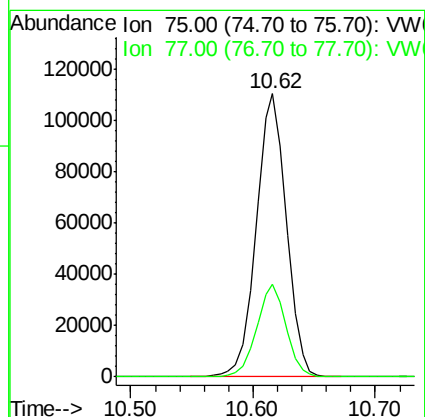
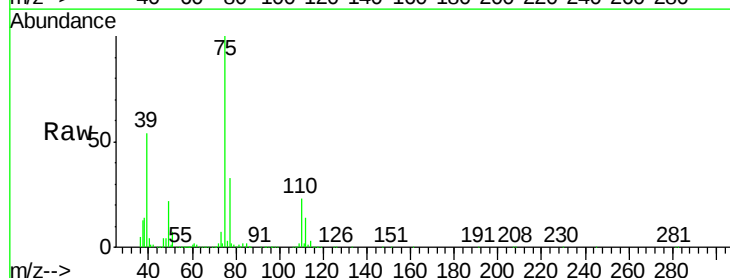
Acq: 06 Apr 2018 10:34

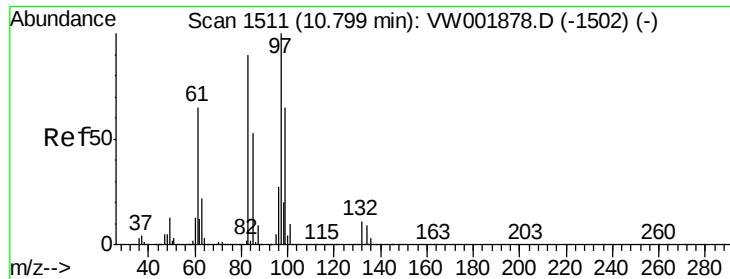
Tgt Ion: 75 Resp: 189698

Ion Ratio Lower Upper

75 100

77 32.6 21.8 40.6

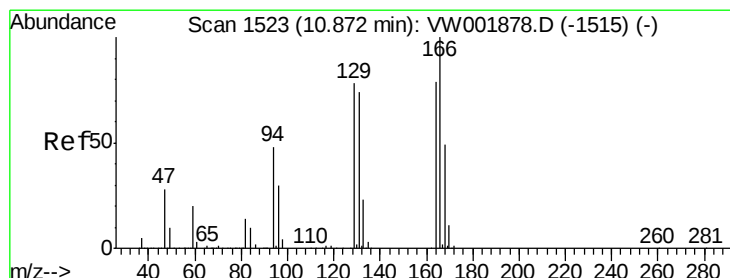
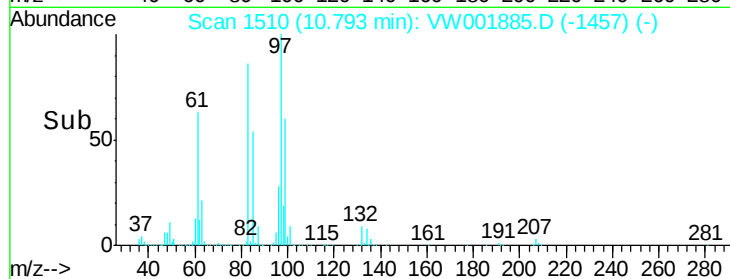
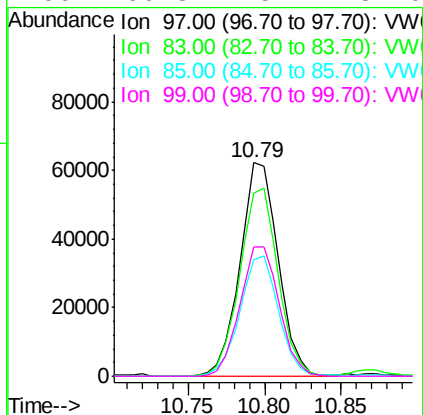
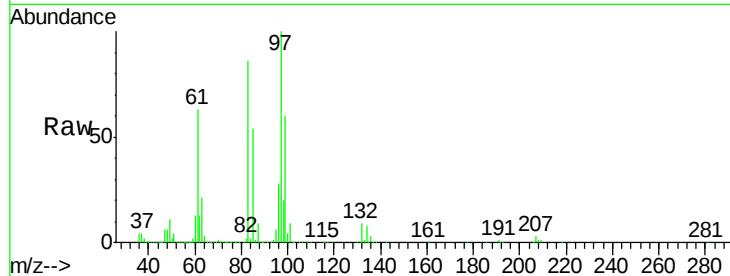




#46
 1,1,2-Trichloroethane
 Concen: 24.24 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VW001885.D
 Acq: 06 Apr 2018 10:34

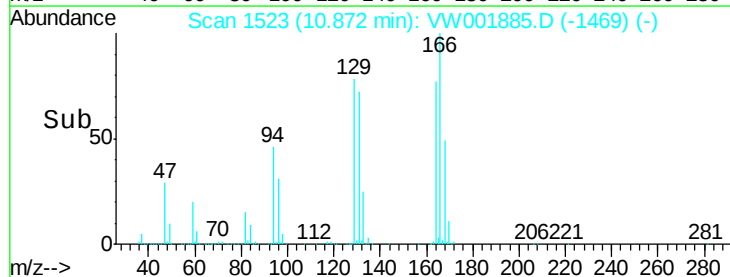
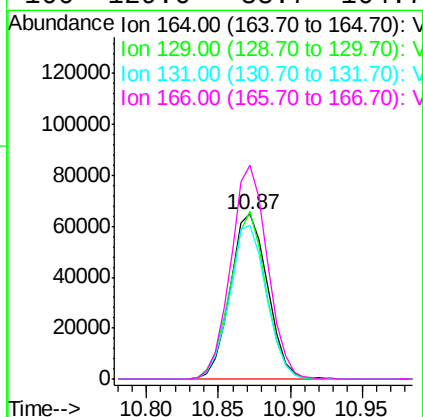
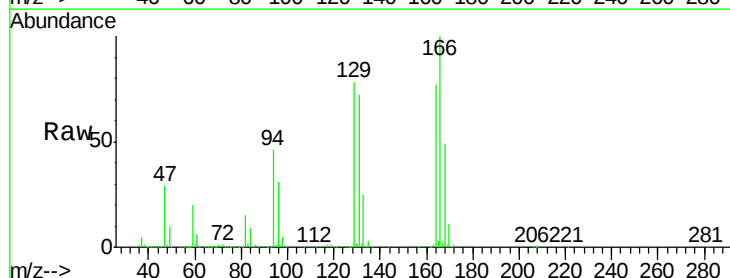
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

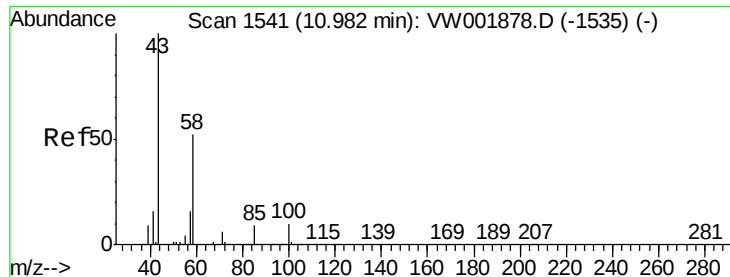
Tgt Ion:	97	Resp:	108295
Ion	Ratio	Lower	Upper
97	100		
83	85.6	62.6	116.3
85	54.4	37.2	69.2
99	60.3	45.2	84.0



#47
 Tetrachloroethene
 Concen: 25.11 ug/L
 RT: 10.87 min Scan# 1523
 Delta R.T. 0.00 min
 Lab File: VW001885.D
 Acq: 06 Apr 2018 10:34

Tgt Ion:	164	Resp:	117188
Ion	Ratio	Lower	Upper
164	100		
129	101.6	68.7	127.7
131	93.3	65.7	122.1
166	129.6	88.7	164.7

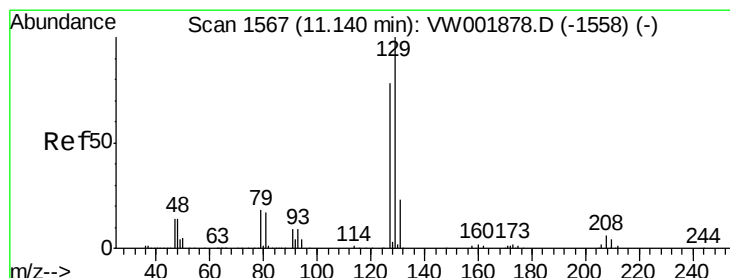
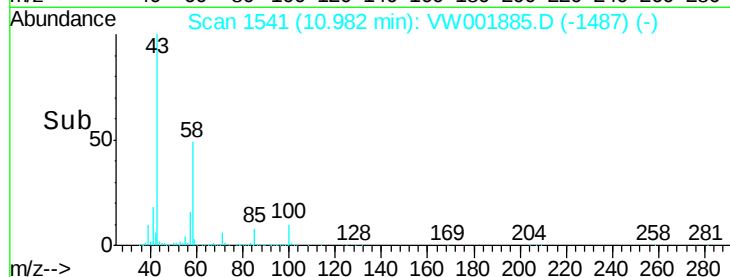
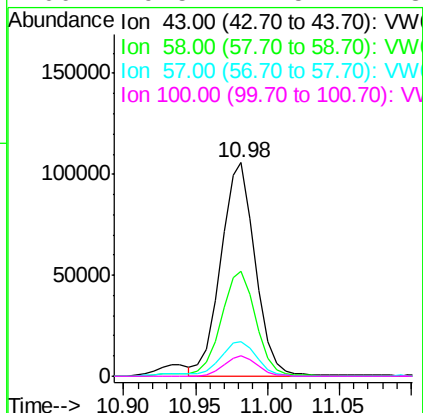
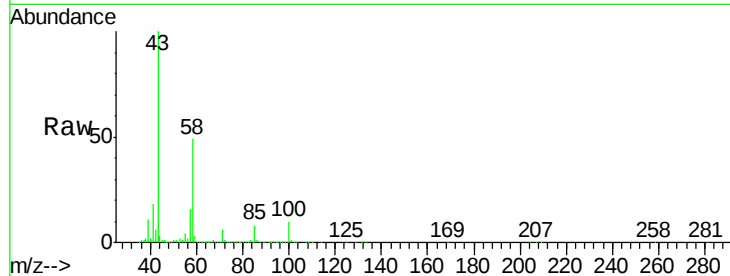




#49
2-Hexanone
Concen: 53.21 ug/L
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VW001885.D
Acq: 06 Apr 2018 10:34

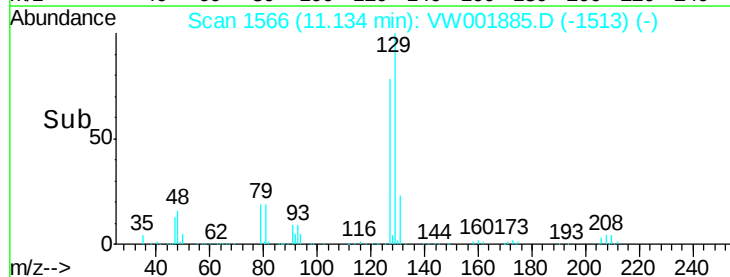
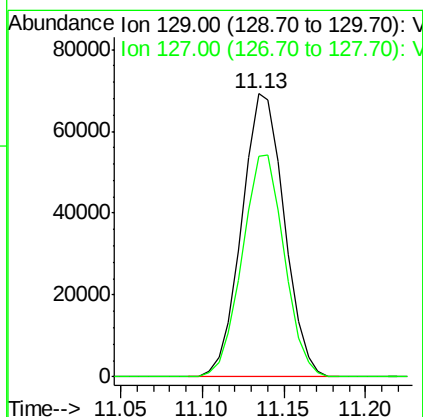
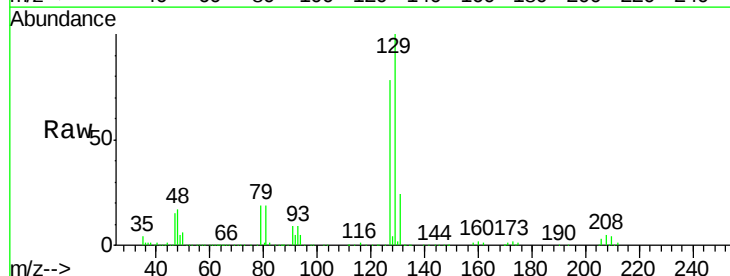
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

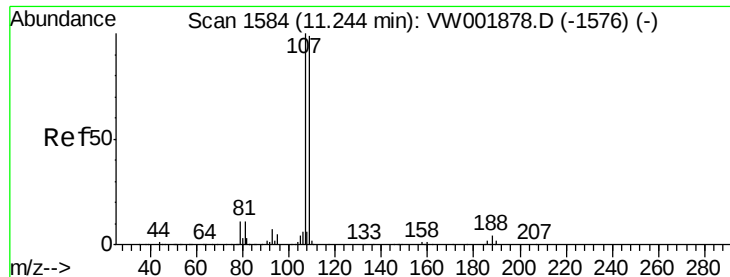
Tgt Ion:	43	Resp:	176518
Ion	Ratio	Lower	Upper
43	100		
58	50.7	40.5	60.7
57	17.2	13.8	20.6
100	9.5	7.5	11.3



#50
Dibromochloromethane
Concen: 24.37 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VW001885.D
Acq: 06 Apr 2018 10:34

Tgt Ion:	129	Resp:	125041
Ion	Ratio	Lower	Upper
129	100		
127	78.0	54.8	101.8

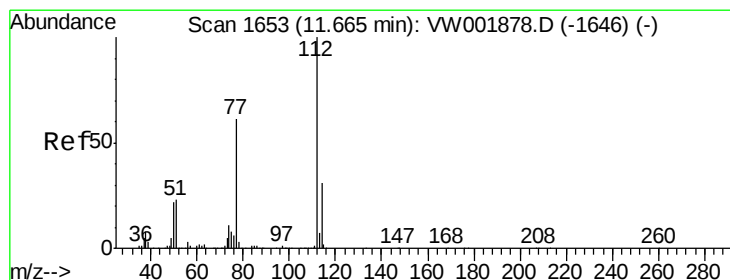
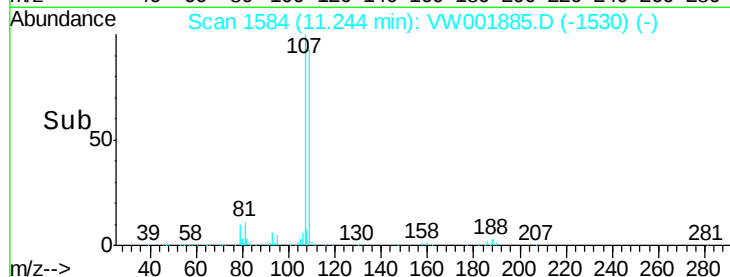
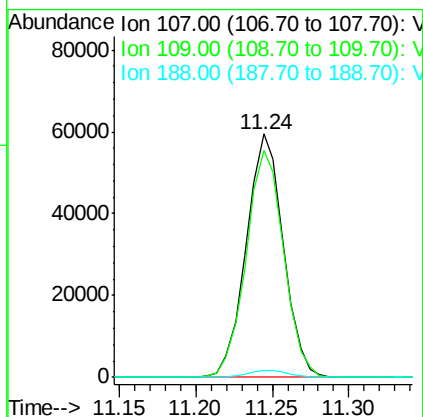
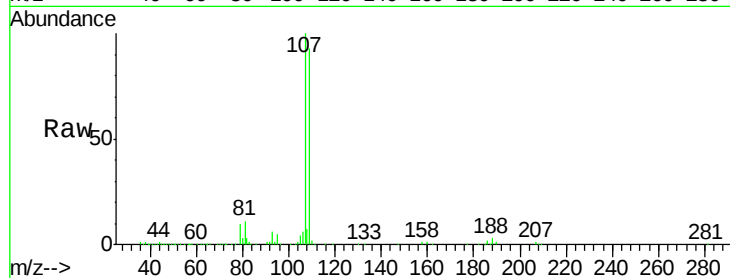




#51
 1,2-Dibromoethane
 Concen: 24.25 ug/L
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VW001885.D
 Acq: 06 Apr 2018 10:34

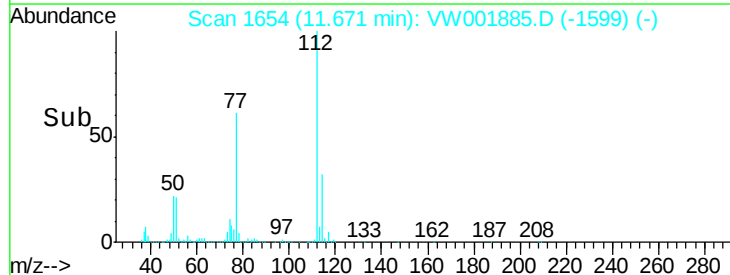
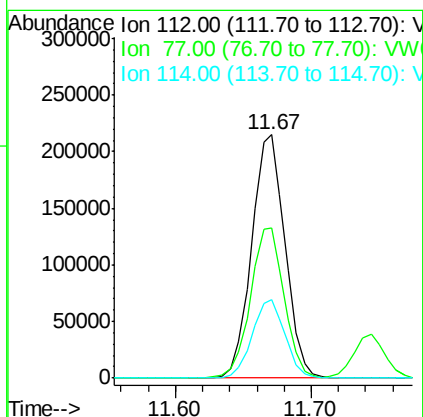
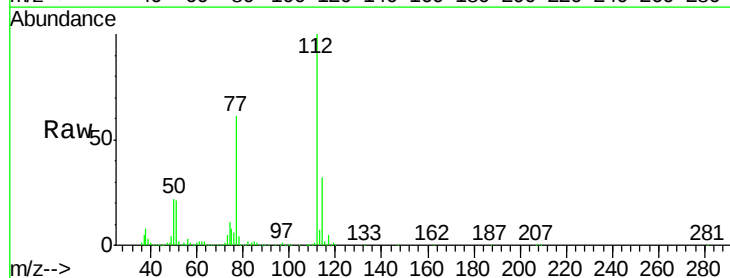
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

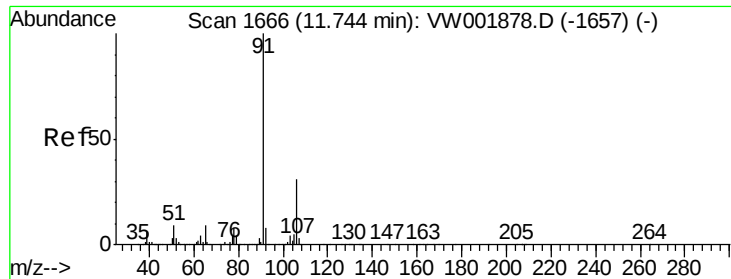
Tgt Ion:107 Resp: 99990
 Ion Ratio Lower Upper
 107 100
 109 93.4 69.0 128.2
 188 3.0 3.0 4.4#



#52
 Chlorobenzene
 Concen: 24.65 ug/L
 RT: 11.67 min Scan# 1654
 Delta R.T. 0.01 min
 Lab File: VW001885.D
 Acq: 06 Apr 2018 10:34

Tgt Ion:112 Resp: 369049
 Ion Ratio Lower Upper
 112 100
 77 61.5 49.4 74.0
 114 32.2 21.8 40.6





#53

Ethylbenzene

Concen: 25.80 ug/L

RT: 11.74 min Scan# 1666

Delta R.T. 0.00 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

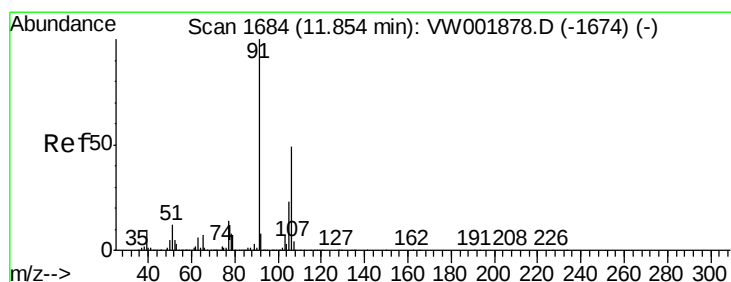
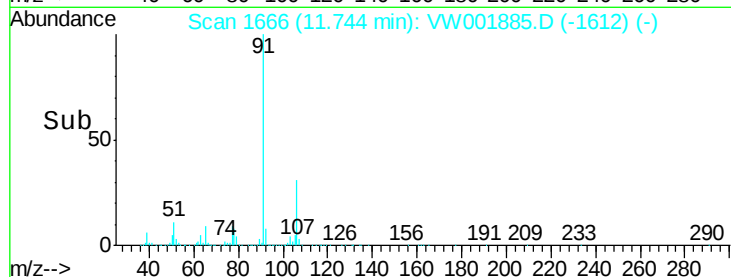
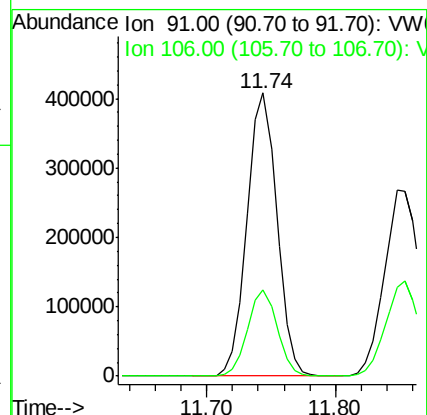
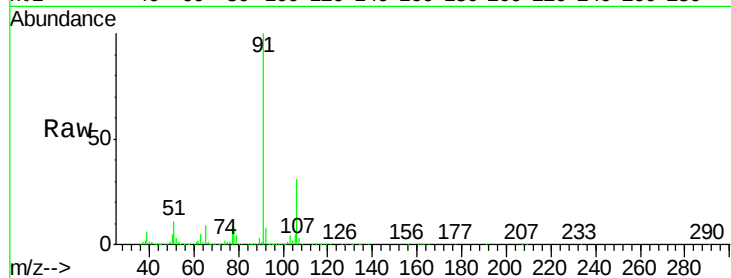
VSTD02588

Tgt Ion: 91 Resp: 655415

Ion Ratio Lower Upper

91 100

106 30.6 21.6 40.0



#54

m,p-Xylene

Concen: 26.20 ug/L

RT: 11.85 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW001885.D

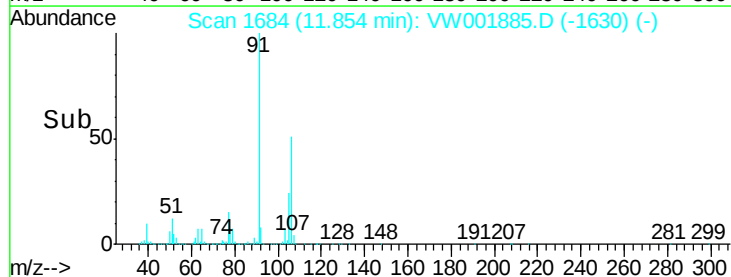
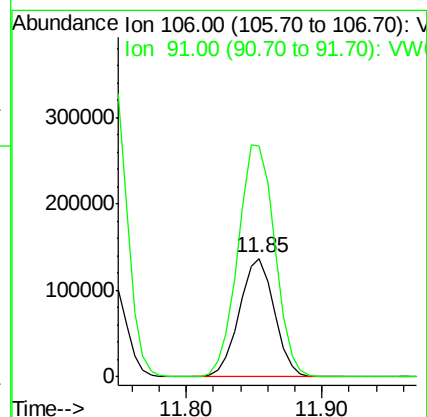
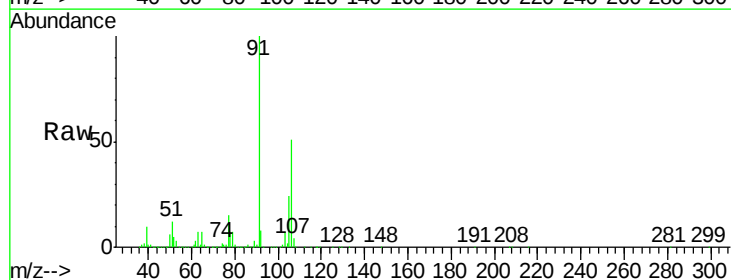
Acq: 06 Apr 2018 10:34

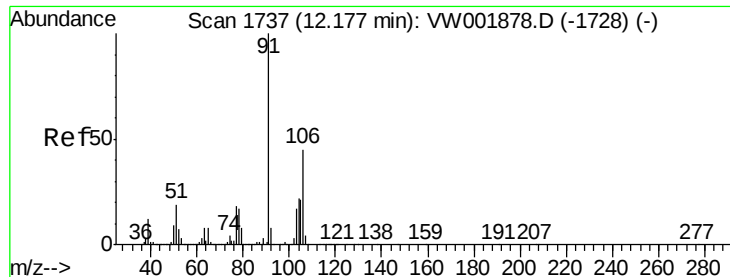
Tgt Ion: 106 Resp: 246769

Ion Ratio Lower Upper

106 100

91 195.5 142.9 265.3





#55

o-xylene

Concen: 25.63 ug/L

RT: 12.18 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

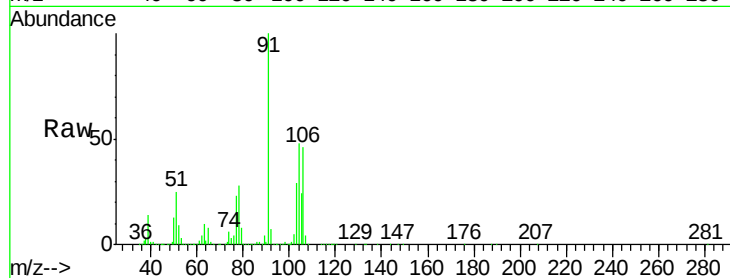
VSTD02588

Tgt Ion:106 Resp: 220786

Ion Ratio Lower Upper

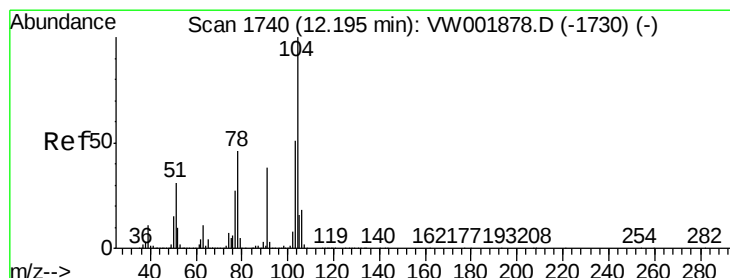
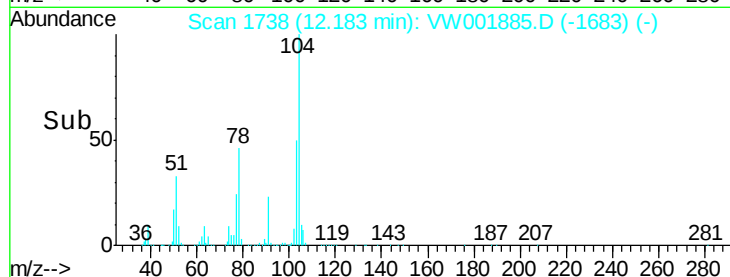
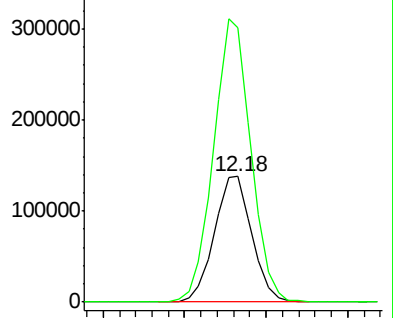
106 100

91 217.6 155.2 288.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.35 ug/L

RT: 12.20 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW001885.D

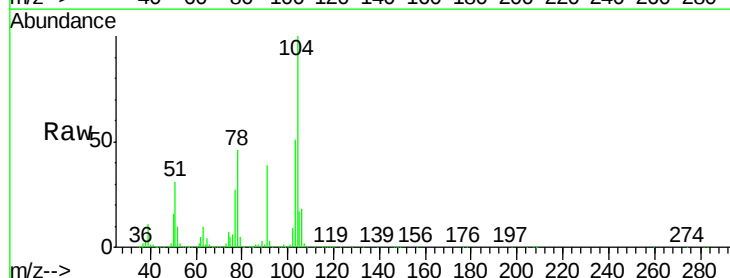
Acq: 06 Apr 2018 10:34

Tgt Ion:104 Resp: 389182

Ion Ratio Lower Upper

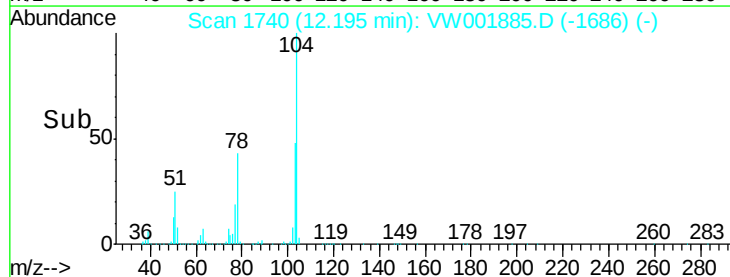
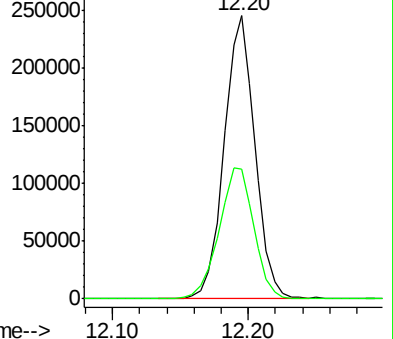
104 100

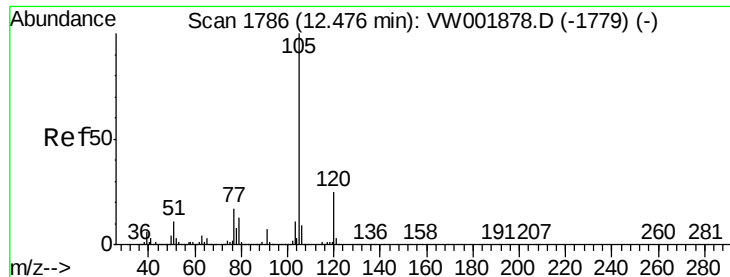
78 45.9 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.77 ug/L

RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

Instrument :

MSVOA_W

ClientSampled :

VSTD02588

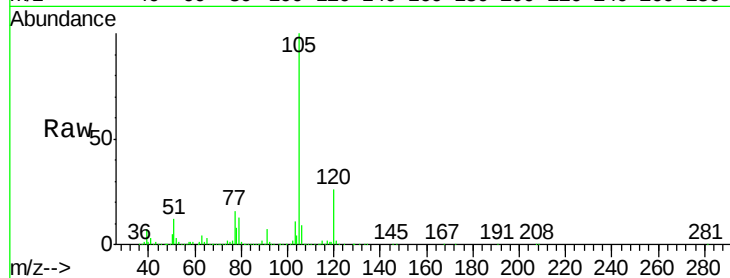
Tgt Ion: 105 Resp: 625921

Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

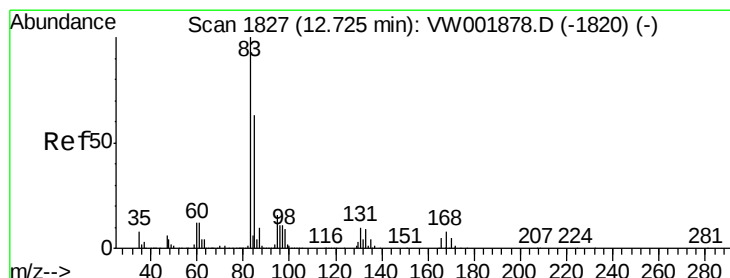
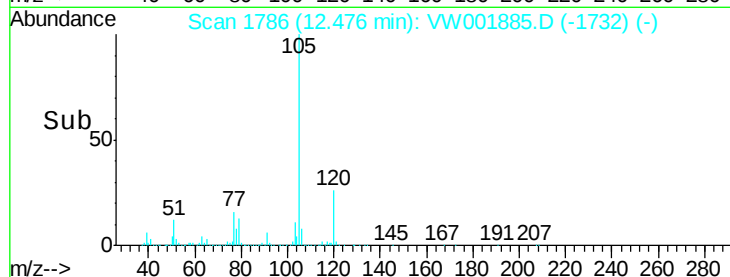
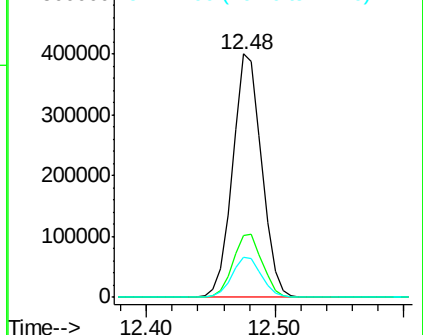
77 16.6 13.4 20.0



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: 24.74 ug/L

RT: 12.73 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

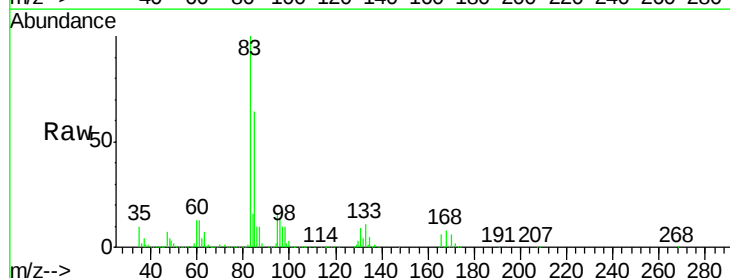
Tgt Ion: 83 Resp: 147492

Ion Ratio Lower Upper

83 100

85 63.9 44.0 81.6

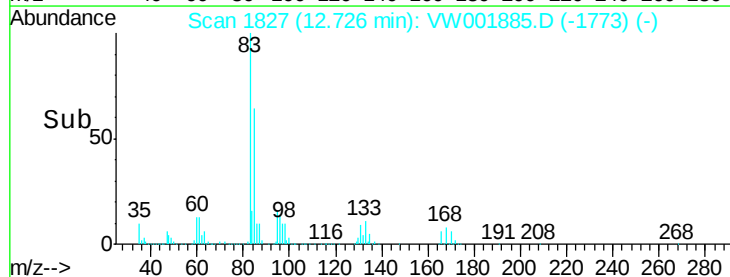
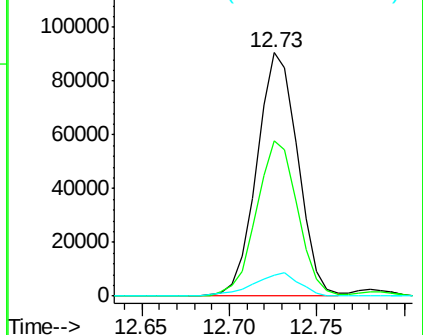
131 8.8 8.0 12.0

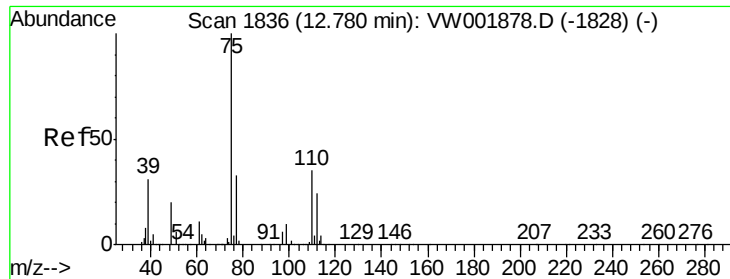


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.19 ug/L

RT: 12.78 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

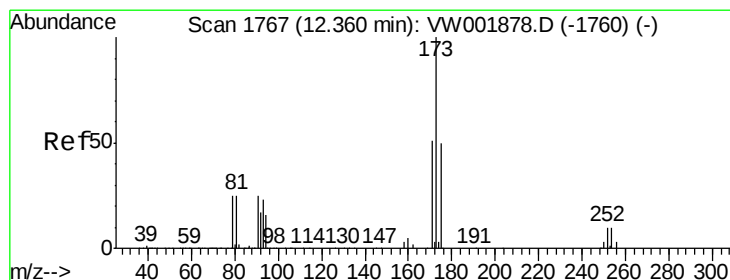
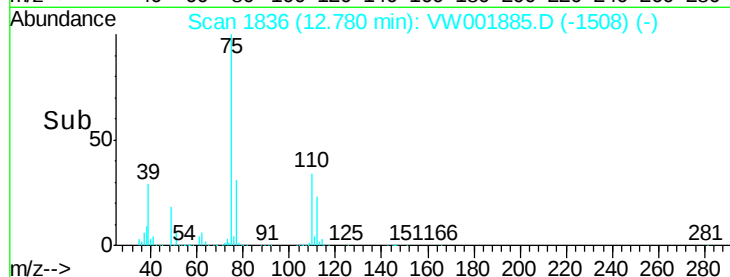
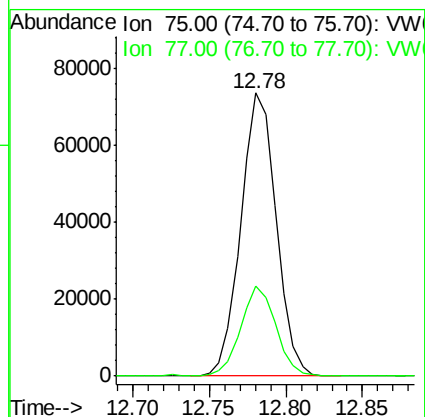
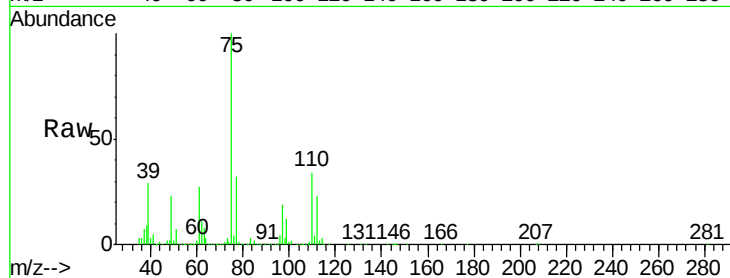
VSTD02588

Tgt Ion: 75 Resp: 118313

Ion Ratio Lower Upper

75 100

77 31.2 26.5 39.7



#62

Bromoform

Concen: 24.81 ug/L

RT: 12.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

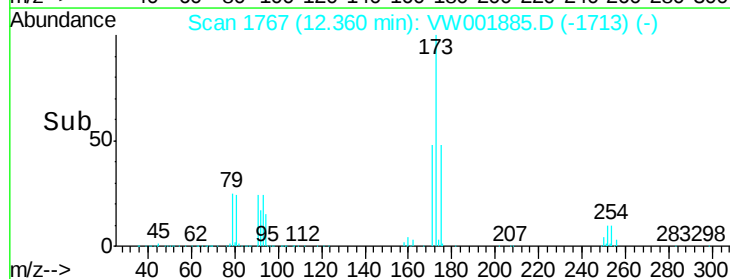
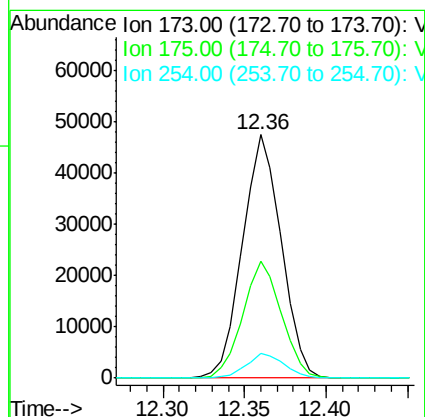
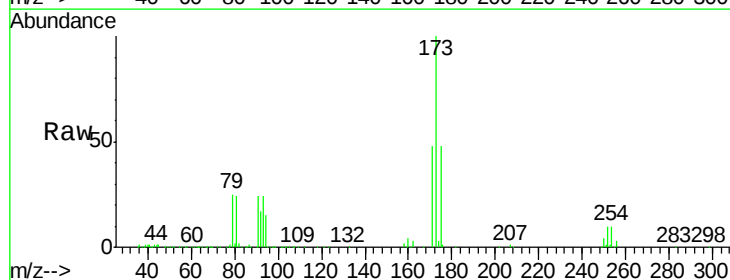
Tgt Ion: 173 Resp: 78526

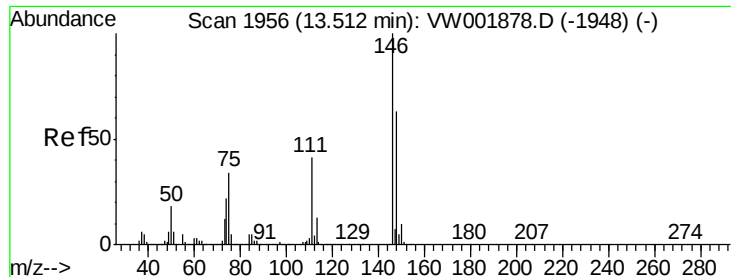
Ion Ratio Lower Upper

173 100

175 48.0 39.6 59.4

254 10.1 8.1 12.1

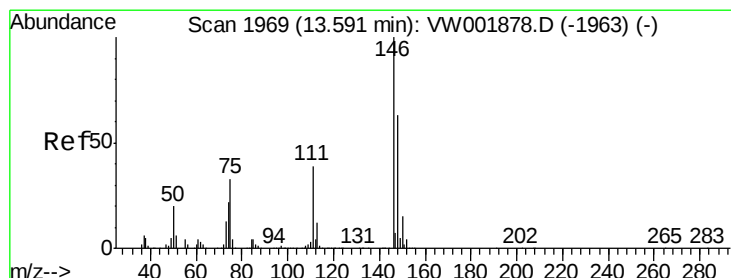
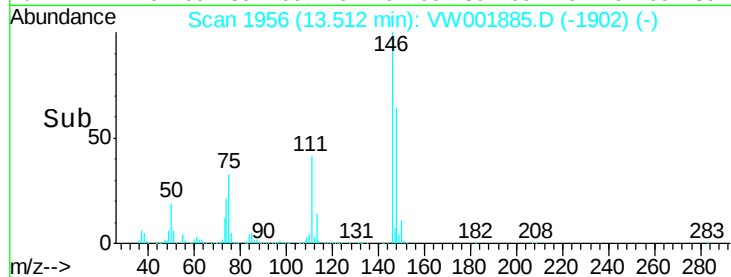
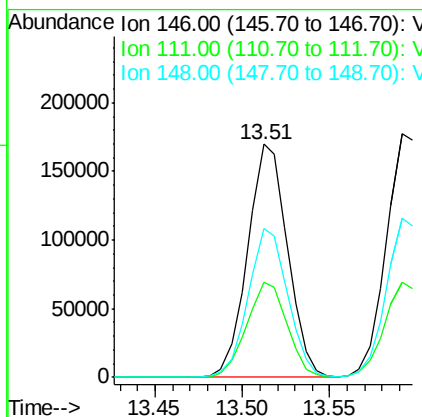
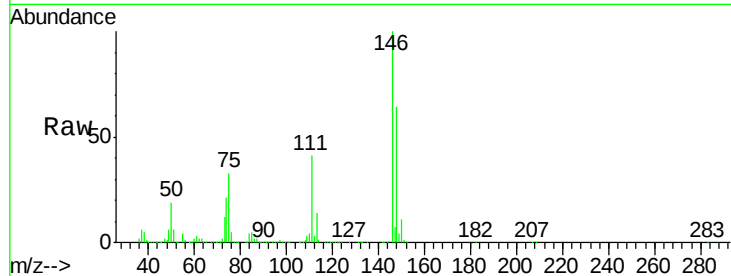




#63
 1,3-Dichlorobenzene
 Concen: 24.77 ug/L
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW001885.D
 Acq: 06 Apr 2018 10:34

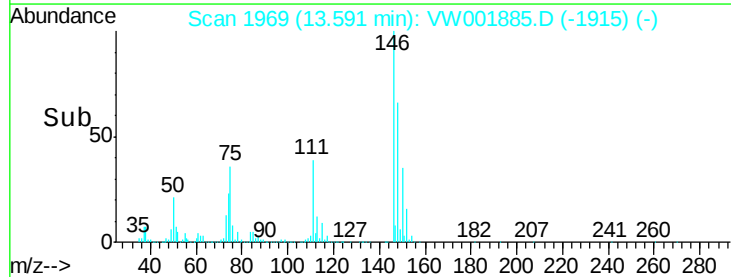
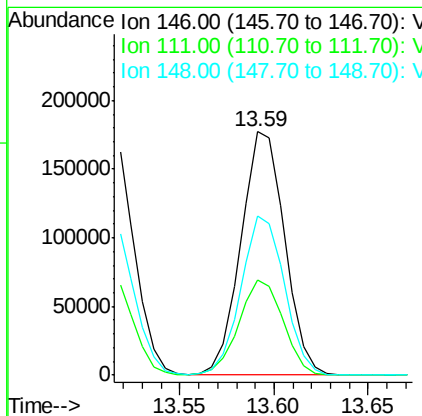
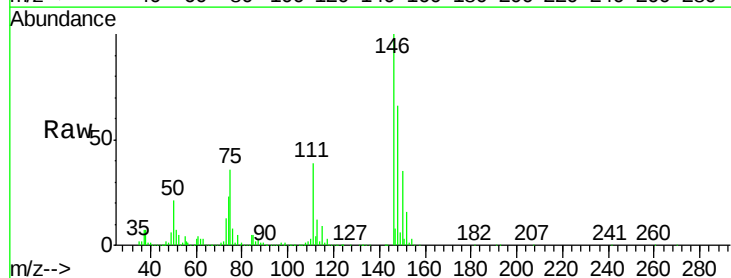
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

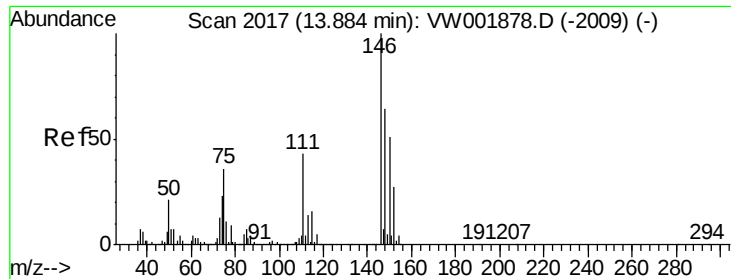
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	28.8	53.4
148	64.2	44.4	82.4



#64
 1,4-Dichlorobenzene
 Concen: 24.25 ug/L
 RT: 13.59 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VW001885.D
 Acq: 06 Apr 2018 10:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	27.6	51.2
148	65.6	44.3	82.3





#65

1,2-Dichlorobenzene

Concen: 24.25 ug/L

RT: 13.88 min Scan# 2017

Delta R.T. 0.00 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

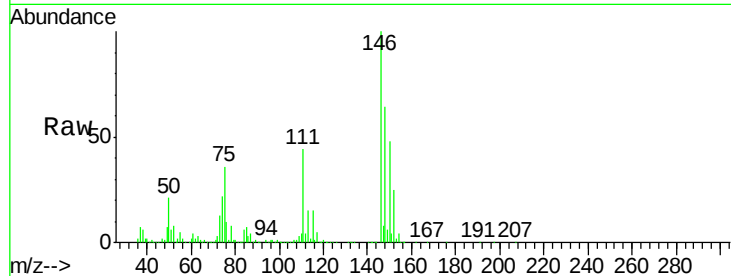
Tgt Ion:146 Resp: 260505

Ion Ratio Lower Upper

146 100

111 43.7 34.4 51.6

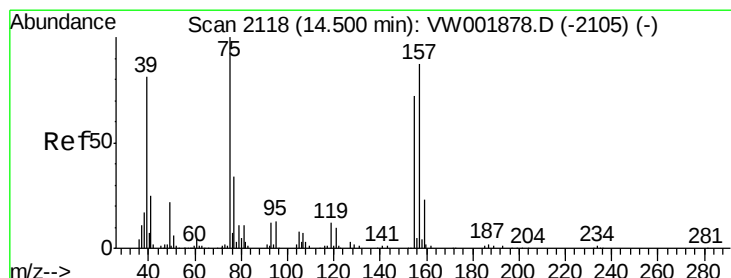
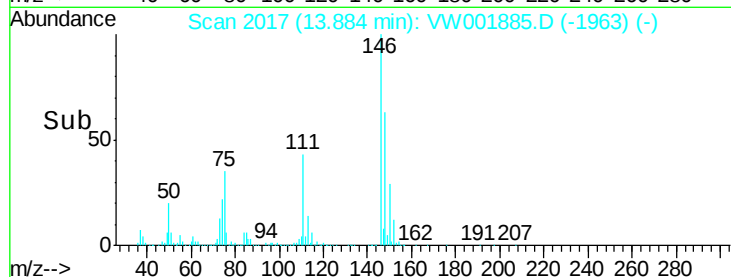
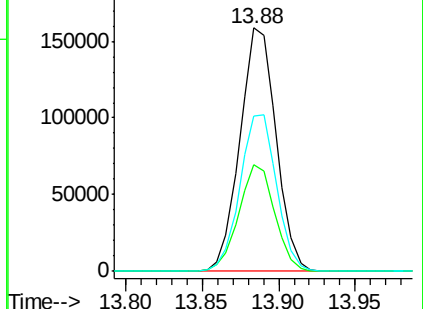
148 63.6 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 25.49 ug/L

RT: 14.51 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

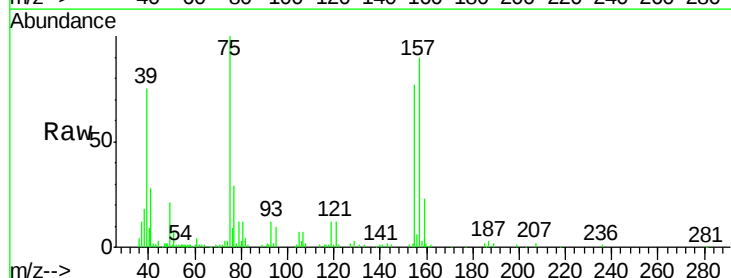
Tgt Ion: 75 Resp: 28934

Ion Ratio Lower Upper

75 100

157 89.8 69.5 104.3

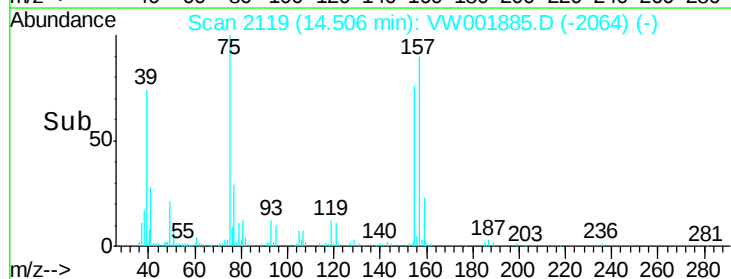
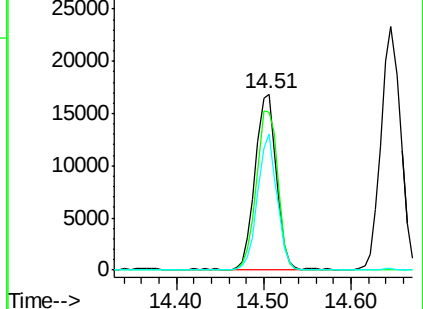
155 76.9 57.4 86.0

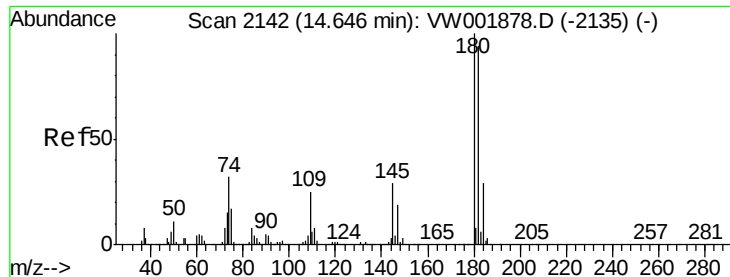


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

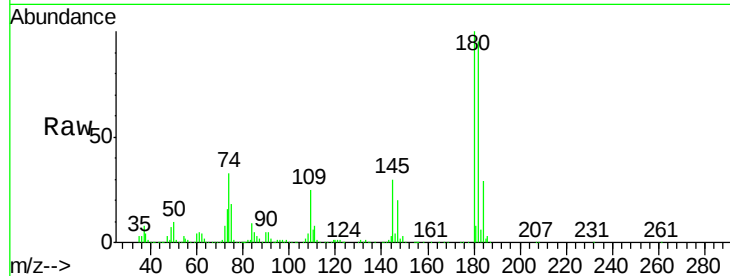




#67
 1,3,5-Trichlorobenzene
 Concen: 23.88 ug/L
 RT: 14.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VW001885.D
 Acq: 06 Apr 2018 10:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Tgt Ion:	180	Resp:	201801
Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.9	113.9
184	29.9	24.1	36.1
145	29.9	23.8	35.6

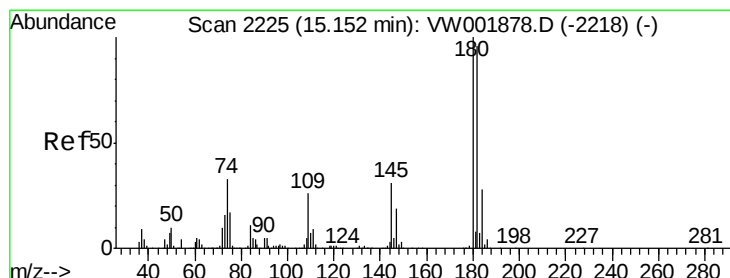
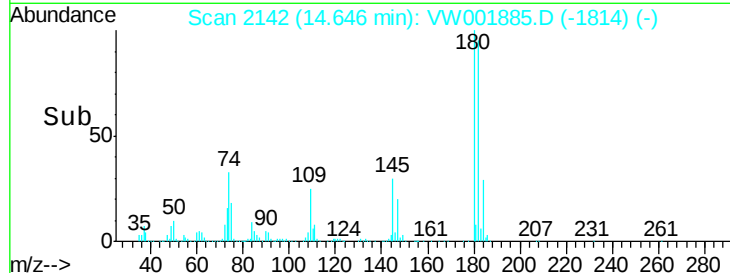
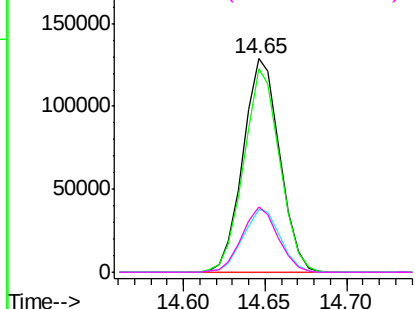


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

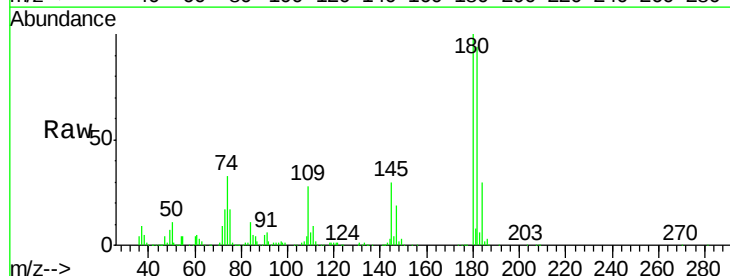
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.68 ug/L
 RT: 15.15 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VW001885.D
 Acq: 06 Apr 2018 10:34

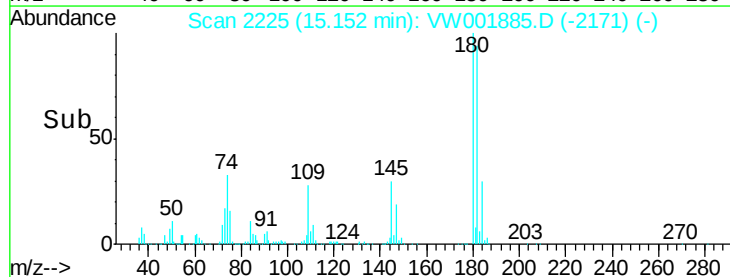
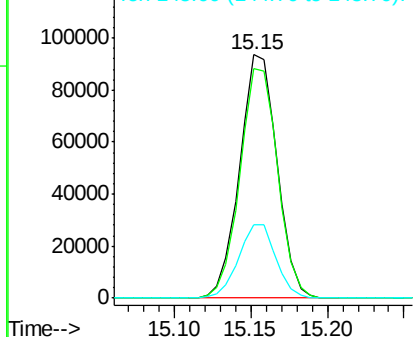
Tgt Ion:	180	Resp:	158790
Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.1	115.7
145	30.2	24.6	36.8

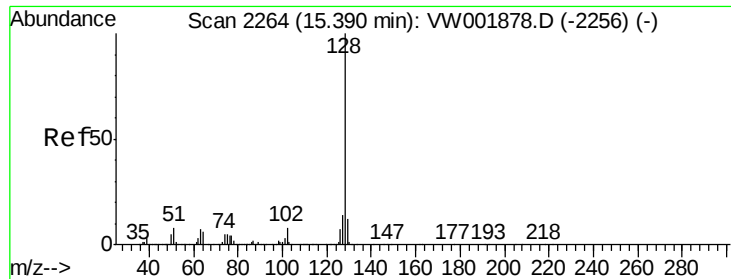


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.04 ug/L

RT: 15.39 min Scan# 2264

Delta R.T. 0.00 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

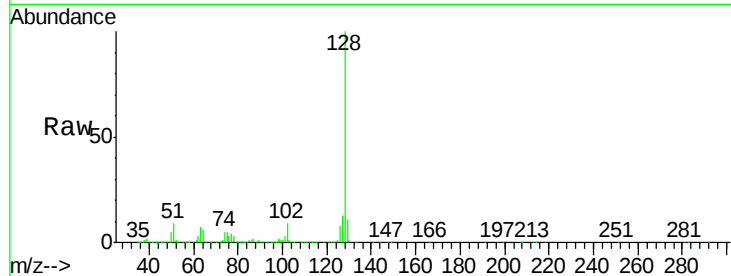
Tgt Ion:128 Resp: 326491

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

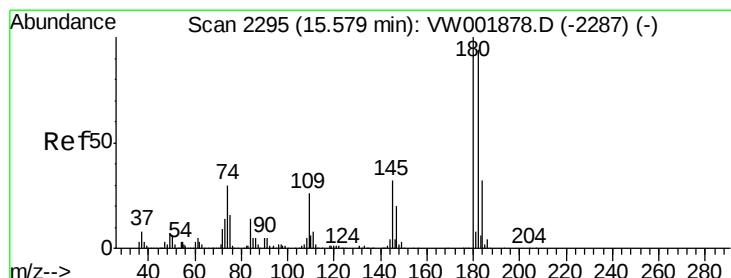
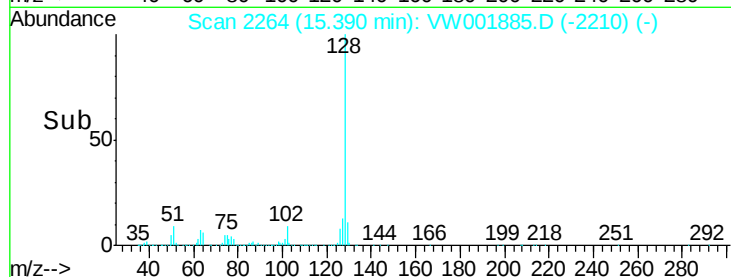
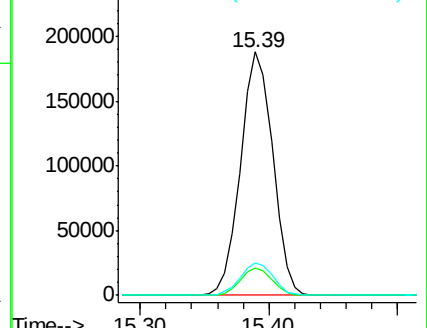
127 13.7 11.0 16.4



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: 25.01 ug/L

RT: 15.58 min Scan# 2295

Delta R.T. 0.00 min

Lab File: VW001885.D

Acq: 06 Apr 2018 10:34

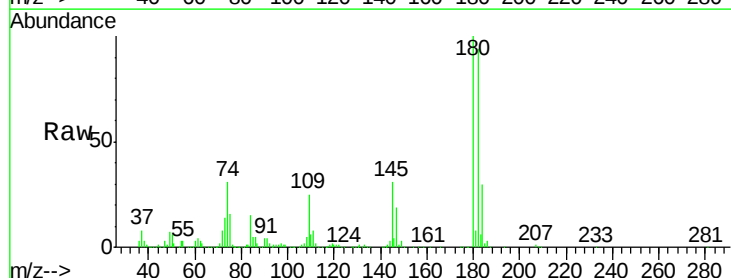
Tgt Ion:180 Resp: 160078

Ion Ratio Lower Upper

180 100

182 93.2 75.8 113.8

145 31.9 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

