

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW040618\
 Data File : VW001889.D
 Acq On : 06 Apr 2018 18:53
 Operator : JC/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Quant Time: Apr 06 22:50:49 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040518S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 06 22:50:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	346724	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	341548	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	172136	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	88692	17.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.24%
7) Chloroethane-d5	2.89	69	68695	17.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.60%
10) 1,1-Dichloroethene-d2	4.02	63	205295	18.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.52%
20) 2-Butanone-d5	7.09	46	91846	65.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.42%
24) Chloroform-d	7.65	84	227120	24.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	8.31	65	141600	23.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.28%
29) Benzene-d6	8.28	84	460866	23.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.32%
33) 1,2-Dichloropropane-d6	9.28	67	146704	23.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.28%
37) Toluene-d8	10.34	98	442923	25.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.60%
38) trans-1,3-Dichloropropene-	10.59	79	64066	24.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.00%
39) 2-Hexanone-d5	10.94	63	70222	52.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.36%
48) 1,1,2,2-Tetrachloroethane-	12.71	84	144742	24.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.88%
61) 1,2-Dichlorobenzene-d4	13.87	152	157438	24.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.68%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	187791	23.66	ug/L	100
3) Chloromethane	2.22	50	129660	18.10	ug/L	99
5) Vinyl chloride	2.36	62	131113	19.64	ug/L	95
6) Bromomethane	2.78	94	65247	21.34	ug/L	97
8) Chloroethane	2.93	64	71391	19.72	ug/L	96
9) Trichlorofluoromethane	3.27	101	213152	22.92	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	120165	21.37	ug/L	97
12) 1,1-Dichloroethene	4.04	96	98484	19.67	ug/L	96
13) Acetone	4.13	43	68390	41.84	ug/L	98
14) Carbon disulfide	4.38	76	376676	21.33	ug/L	99
15) Methyl Acetate	4.68	43	103840	26.67	ug/L	98
16) Methylene chloride	4.92	84	148370	20.65	ug/L	98
17) Methyl tert-butyl Ether	5.44	73	291094	25.83	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	135572	25.25	ug/L	97
19) 1,1-Dichloroethane	6.22	63	256282	24.79	ug/L	98
21) 2-Butanone	7.18	43	113932	50.38	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	137000	24.80	ug/L	99

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW040618\
 Data File : VW001889.D
 Acq On : 06 Apr 2018 18:53
 Operator : JC/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Quant Time: Apr 06 22:50:49 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040518S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 06 22:50:03 2018
 Response via : Initial Calibration

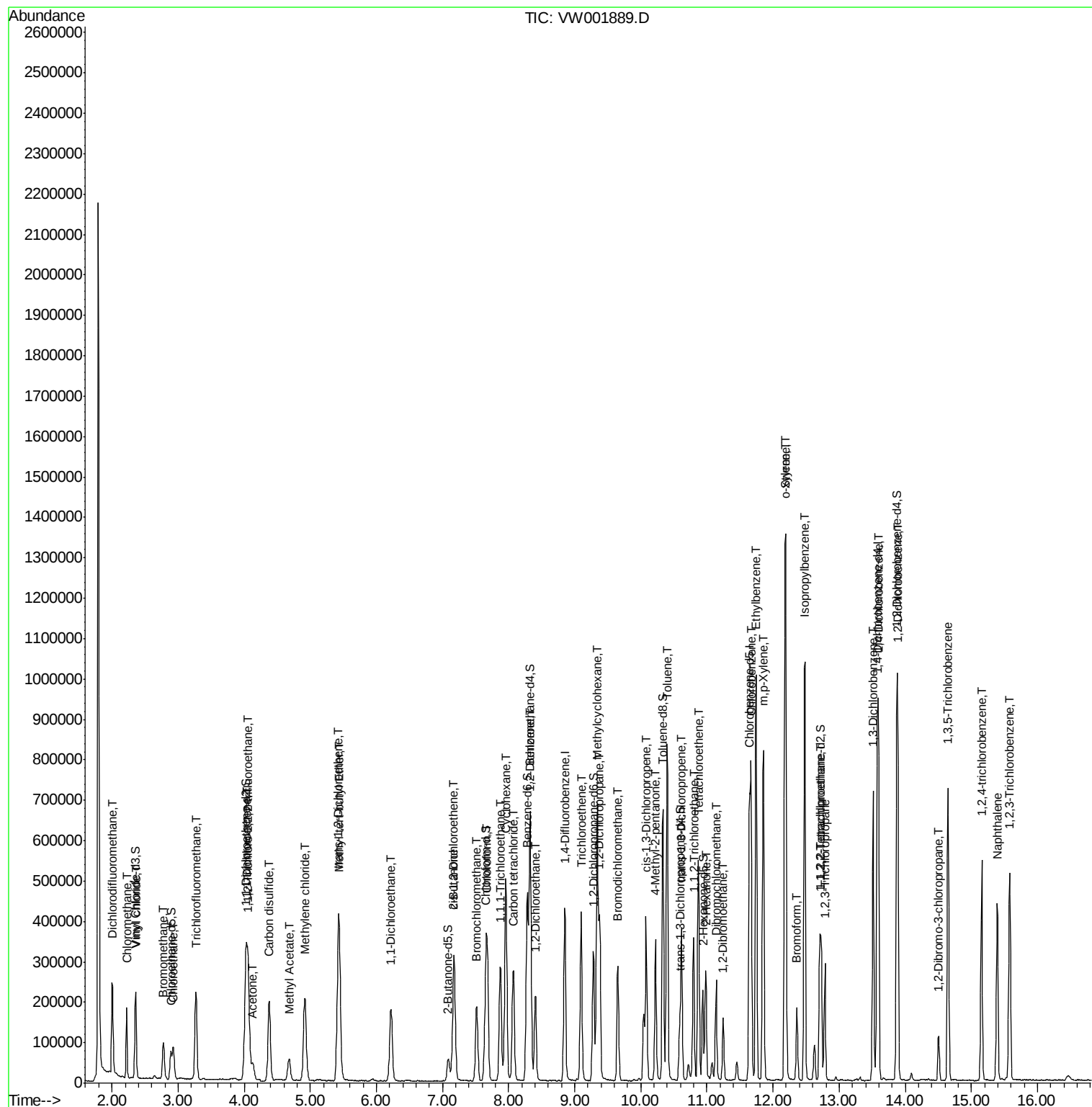
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	60462	24.54	ug/L	92
25) Chloroform	7.68	83	270992	24.20	ug/L	100
27) 1,2-Dichloroethane	8.40	62	182417	24.64	ug/L	99
30) Cyclohexane	7.96	56	237872	26.45	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	223368	24.38	ug/L	99
32) Carbon tetrachloride	8.07	117	204437	24.28	ug/L	99
34) Benzene	8.33	78	557141	25.20	ug/L	100
35) Trichloroethene	9.10	95	146205	24.79	ug/L	99
36) Methylcyclohexane	9.34	83	244828	26.23	ug/L	96
40) 1,2-Dichloropropane	9.38	63	149305	25.05	ug/L	99
41) Bromodichloromethane	9.65	83	182470	24.61	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	209345	25.09	ug/L	98
43) 4-Methyl-2-pentanone	10.22	43	236613	51.78	ug/L	100
44) Toluene	10.40	91	602166	26.12	ug/L	100
45) trans-1,3-Dichloropropene	10.62	75	193130	26.11	ug/L	99
46) 1,1,2-Trichloroethane	10.80	97	109336	24.51	ug/L	97
47) Tetrachloroethene	10.87	164	116333	24.97	ug/L	98
49) 2-Hexanone	10.98	43	174757	52.76	ug/L	99
50) Dibromochloromethane	11.14	129	127951	24.98	ug/L	97
51) 1,2-Dibromoethane	11.24	107	101505	24.66	ug/L	93
52) Chlorobenzene	11.67	112	374398	25.05	ug/L	99
53) Ethylbenzene	11.74	91	665887	26.25	ug/L	99
54) m,p-Xylene	11.85	106	249363	26.51	ug/L	100
55) o-xylene	12.18	106	226642	26.36	ug/L	100
56) Styrene	12.20	104	402900	27.32	ug/L	97
57) Isopropylbenzene	12.48	105	636250	27.26	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.73	83	151058	25.37	ug/L	99
59) 1,2,3-Trichloropropane	12.79	75	118336	25.24	ug/L	98
62) Bromoform	12.36	173	79563	24.61	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	278923	25.18	ug/L	100
64) 1,4-Dichlorobenzene	13.60	146	296329	24.66	ug/L	99
65) 1,2-Dichlorobenzene	13.89	146	276458	25.19	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.51	75	29528	25.47	ug/L	96
67) 1,3,5-Trichlorobenzene	14.65	180	212122	24.57	ug/L	100
68) 1,2,4-trichlorobenzene	15.16	180	167846	24.50	ug/L	99
69) Naphthalene	15.39	128	350576	25.26	ug/L	99
70) 1,2,3-Trichlorobenzene	15.58	180	164838	25.21	ug/L	99

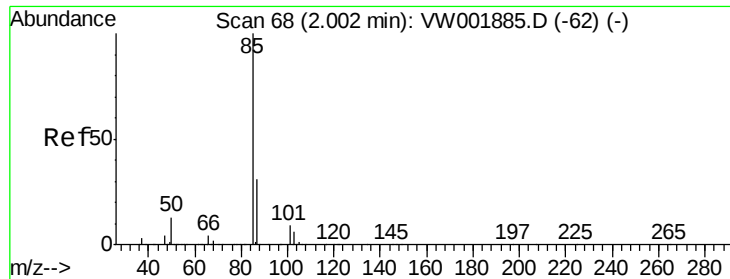
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW040618\
Data File : VW001889.D
Acq On : 06 Apr 2018 18:53
Operator : JC/SY
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

Quant Time: Apr 06 22:50:49 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040518S.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 06 22:50:03 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 23.66 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

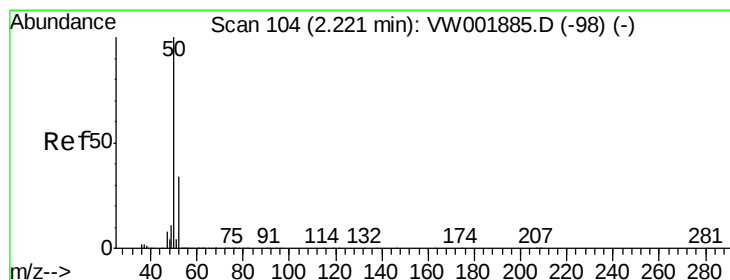
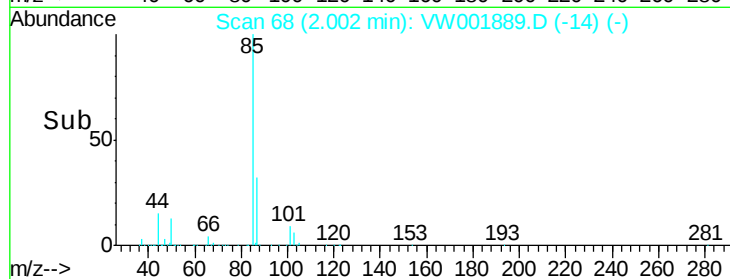
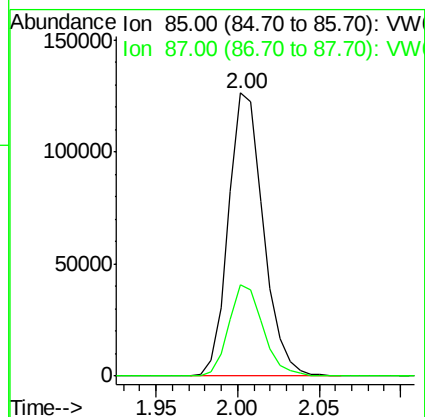
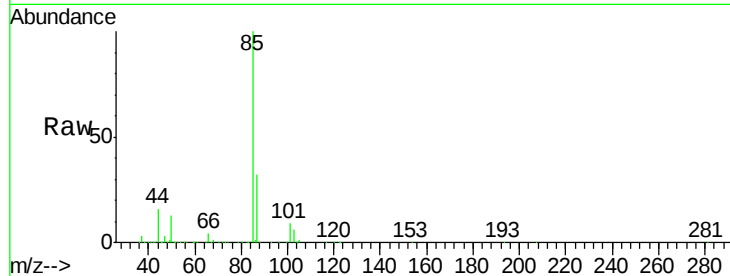
VSTD02589

Tgt Ion: 85 Resp: 187791

Ion Ratio Lower Upper

85 100

87 31.9 22.3 41.5



#3

Chloromethane

Concen: 18.10 ug/L

RT: 2.22 min Scan# 104

Delta R.T. -0.00 min

Lab File: VW001889.D

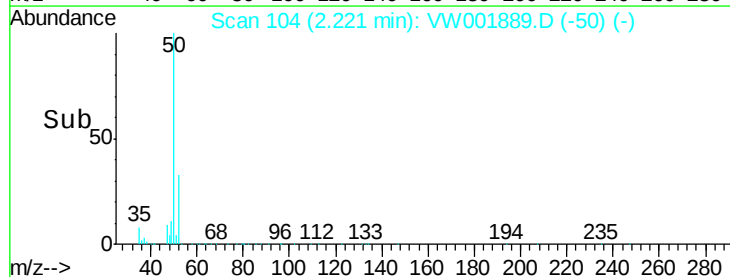
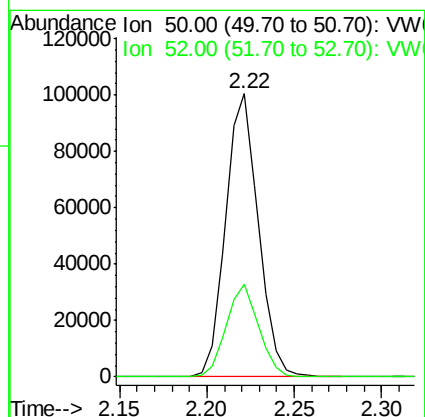
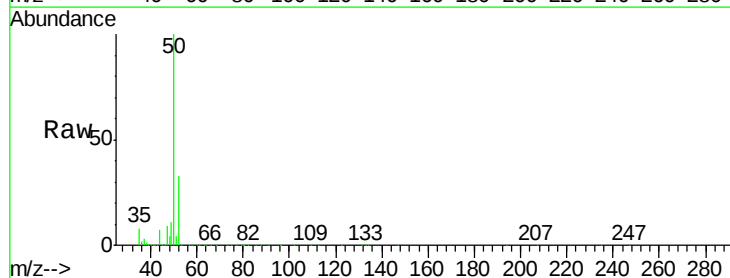
Acq: 06 Apr 2018 18:53

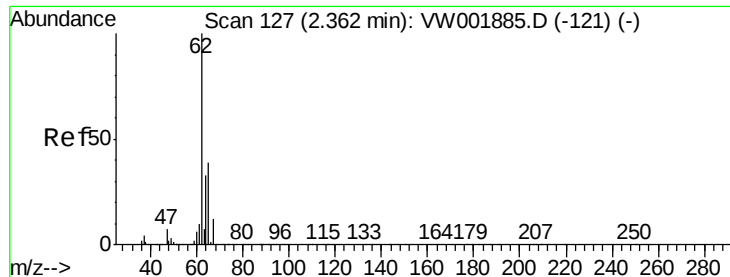
Tgt Ion: 50 Resp: 129660

Ion Ratio Lower Upper

50 100

52 32.5 23.2 43.0





#5

Vinyl chloride

Concen: 19.64 ug/L

RT: 2.36 min Scan# 127

Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

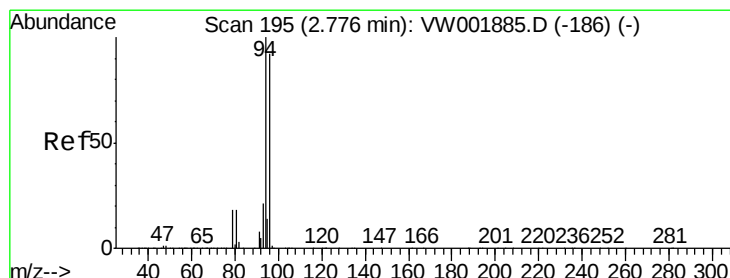
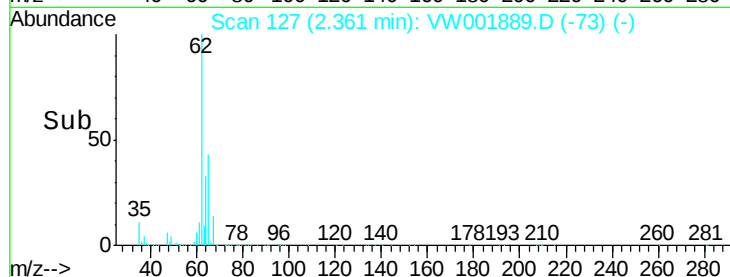
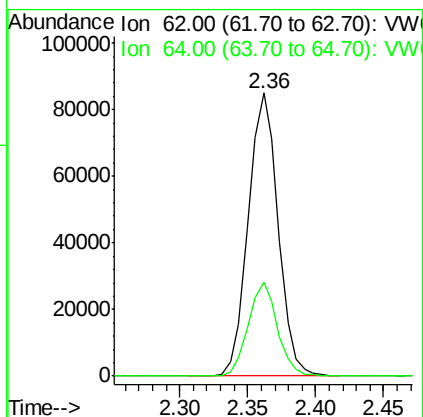
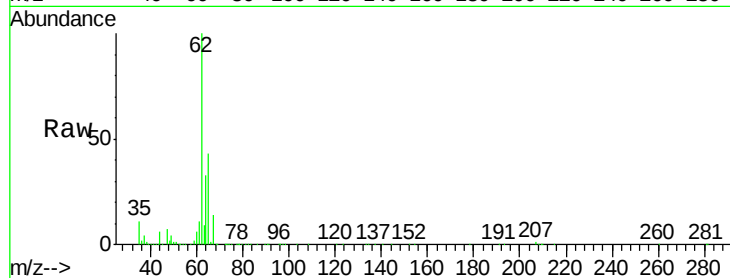
VSTD02589

Tgt Ion: 62 Resp: 131113

Ion Ratio Lower Upper

62 100

64 33.3 21.4 39.8



#6

Bromomethane

Concen: 21.34 ug/L

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW001889.D

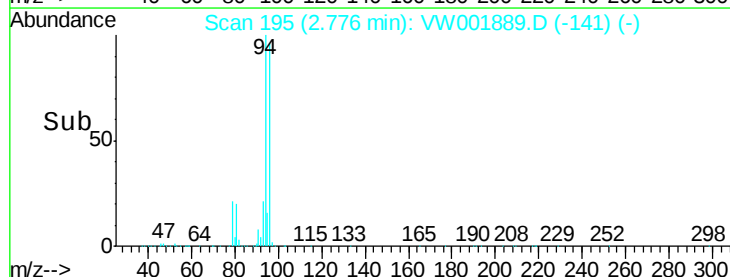
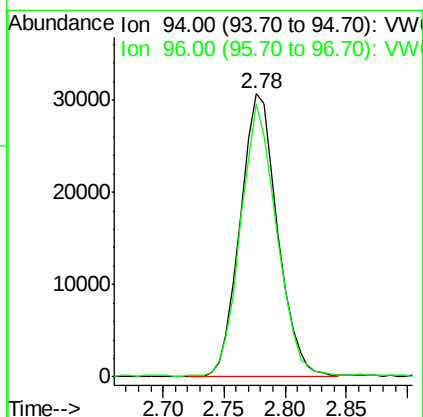
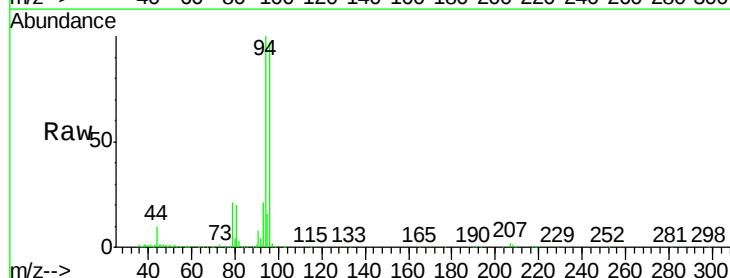
Acq: 06 Apr 2018 18:53

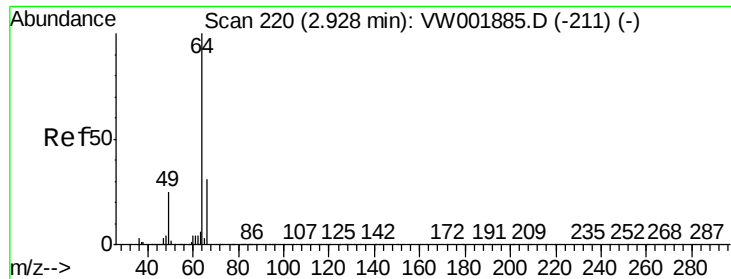
Tgt Ion: 94 Resp: 65247

Ion Ratio Lower Upper

94 100

96 92.0 9.5 179.7





#8

Chloroethane

Concen: 19.72 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

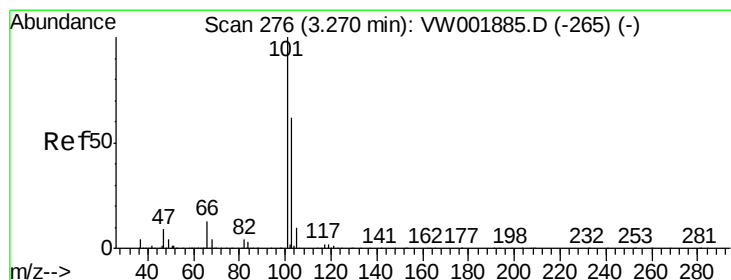
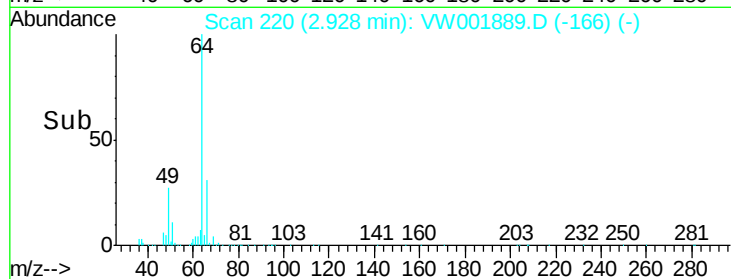
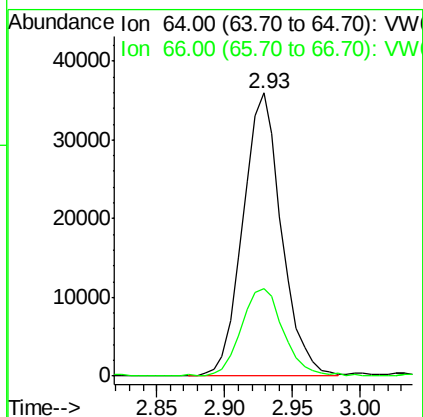
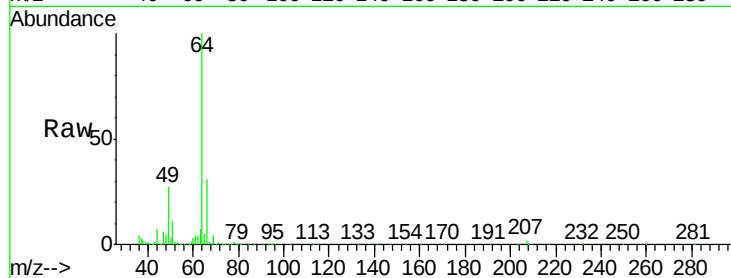
VSTD02589

Tgt Ion: 64 Resp: 71391

Ion Ratio Lower Upper

64 100

66 30.9 23.4 43.4



#9

Trichlorofluoromethane

Concen: 22.92 ug/L

RT: 3.27 min Scan# 276

Delta R.T. -0.00 min

Lab File: VW001889.D

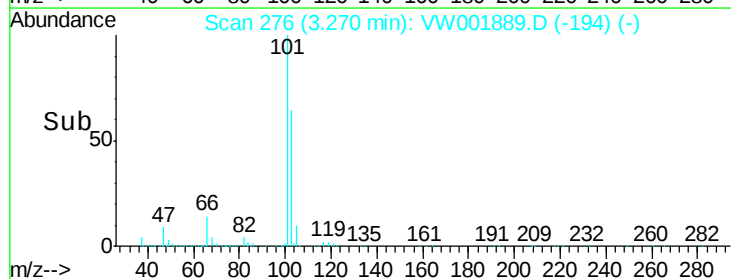
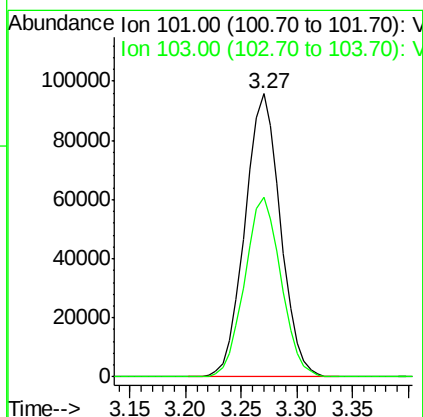
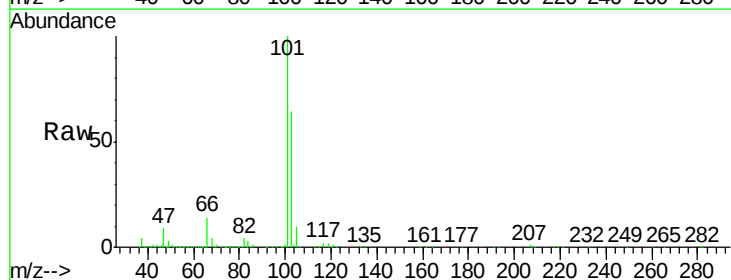
Acq: 06 Apr 2018 18:53

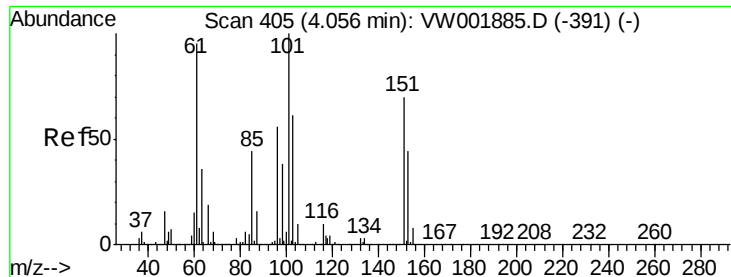
Tgt Ion: 101 Resp: 213152

Ion Ratio Lower Upper

101 100

103 65.0 45.2 84.0





#11

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

Concen: 21.37 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

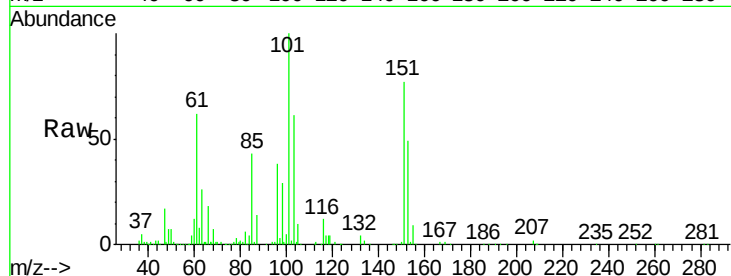
Tgt Ion: 101 Resp: 120165

Ion Ratio Lower Upper

101 100

85 46.1 35.8 53.8

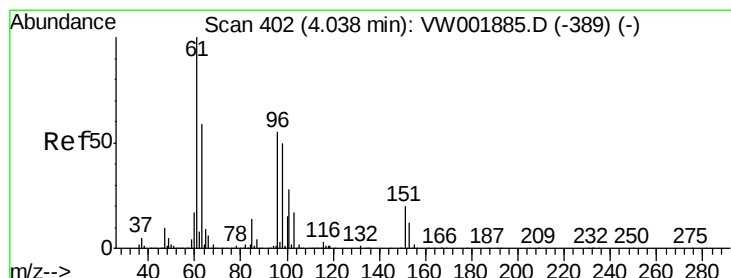
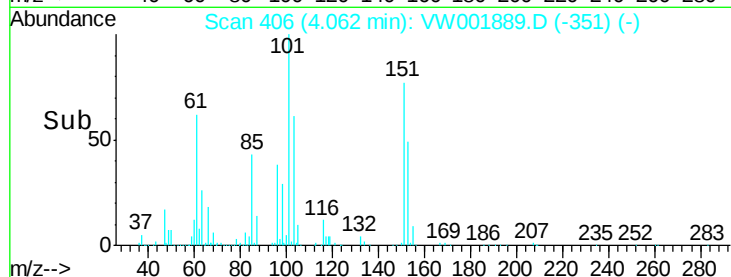
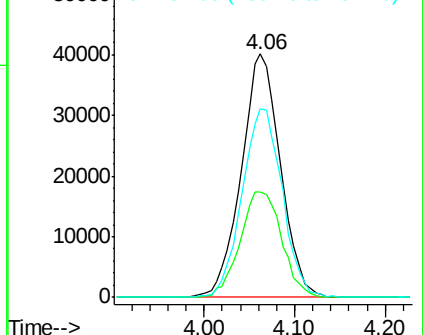
151 79.3 61.5 92.3



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: 19.67 ug/L

RT: 4.04 min Scan# 402

Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

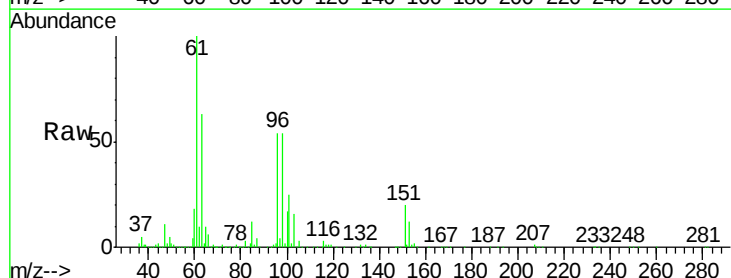
Tgt Ion: 96 Resp: 98484

Ion Ratio Lower Upper

96 100

61 185.9 127.1 236.1

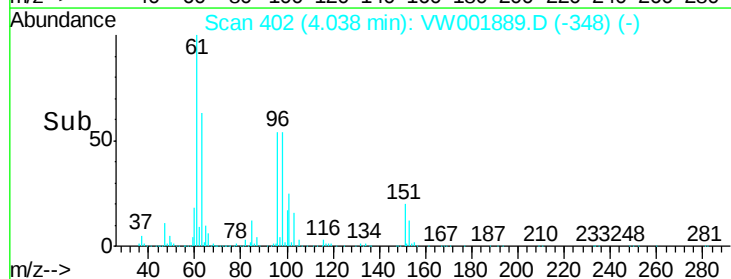
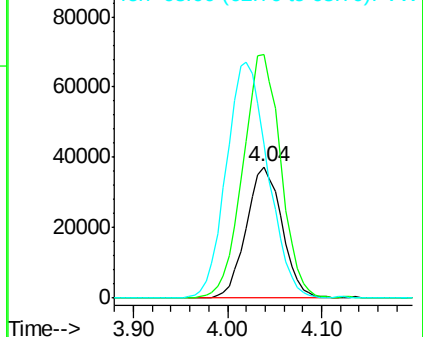
63 117.2 86.5 160.7

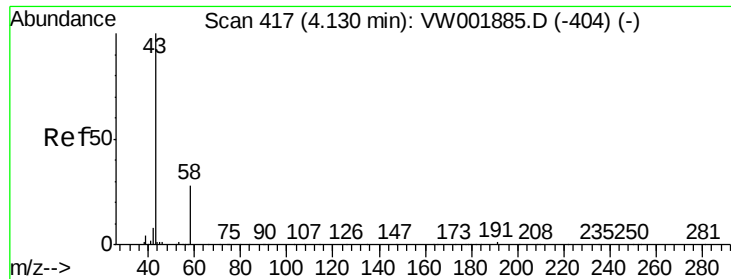


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 41.84 ug/L

RT: 4.13 min Scan# 417

Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

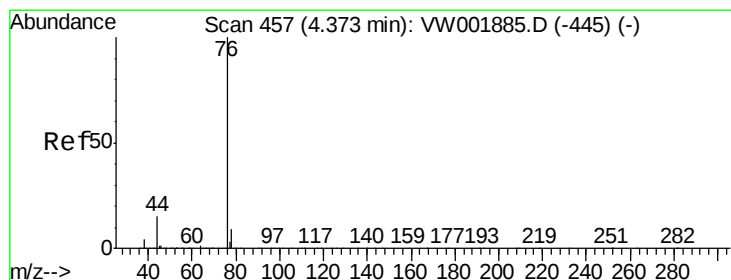
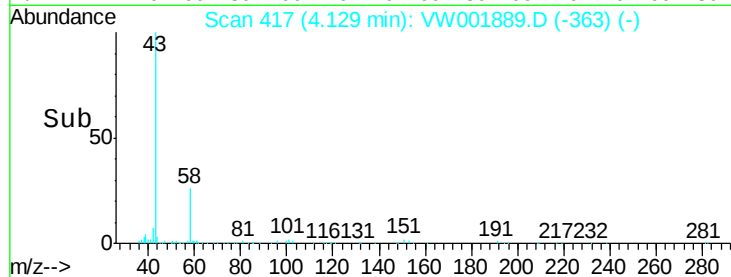
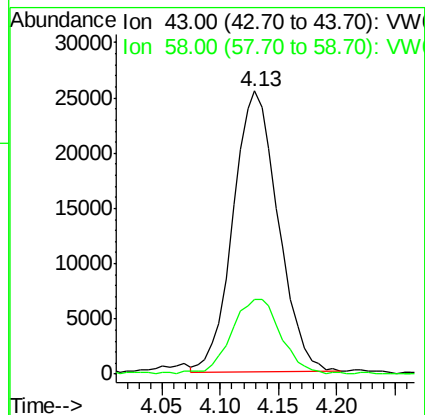
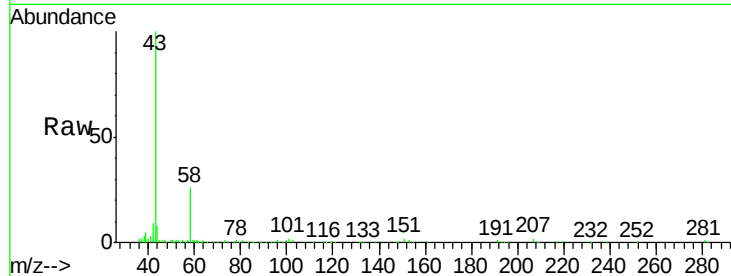
VSTD02589

Tgt Ion: 43 Resp: 68390

Ion Ratio Lower Upper

43 100

58 28.7 0.0 59.6



#14

Carbon disulfide

Concen: 21.33 ug/L

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW001889.D

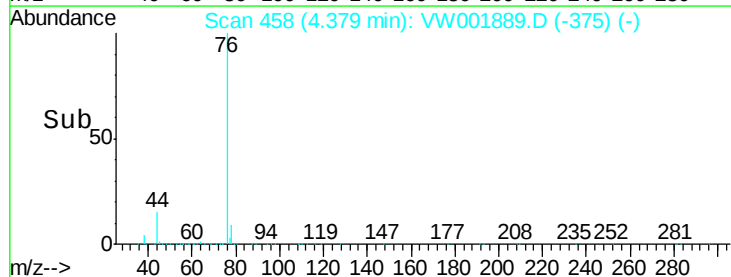
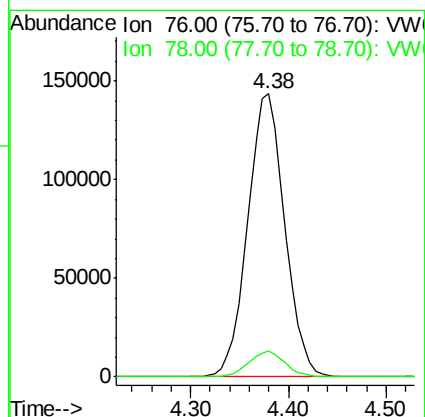
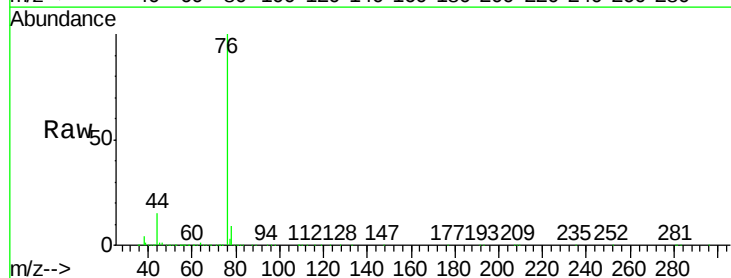
Acq: 06 Apr 2018 18:53

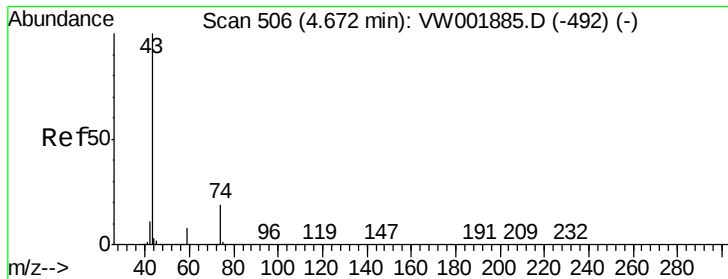
Tgt Ion: 76 Resp: 376676

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9





#15

Methyl Acetate

Concen: 26.67 ug/L

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

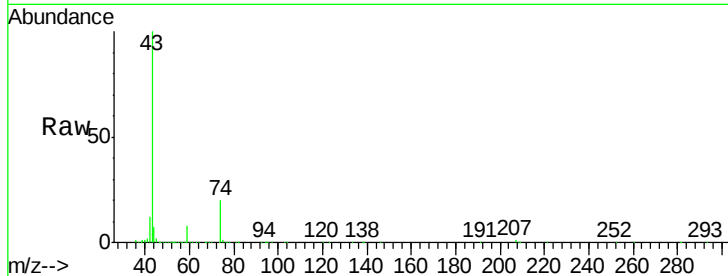
VSTD02589

Tgt Ion: 43 Resp: 103840

Ion Ratio Lower Upper

43 100

74 20.3 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

40000

30000

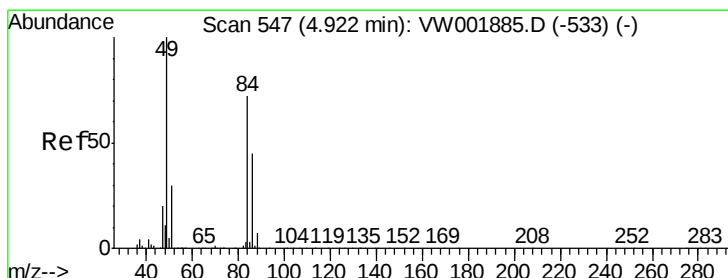
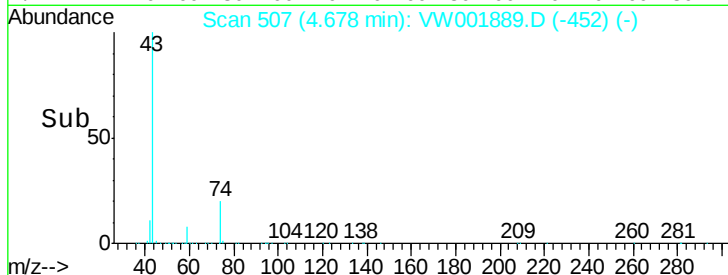
20000

10000

0

4.60 4.70 4.80

Time-->



#16

Methylene chloride

Concen: 20.65 ug/L

RT: 4.92 min Scan# 546

Delta R.T. -0.01 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

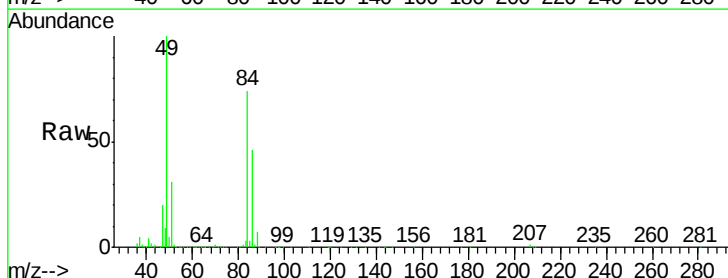
Tgt Ion: 84 Resp: 148370

Ion Ratio Lower Upper

84 100

49 134.7 96.2 178.6

86 62.2 44.1 81.9



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

4.92

80000

60000

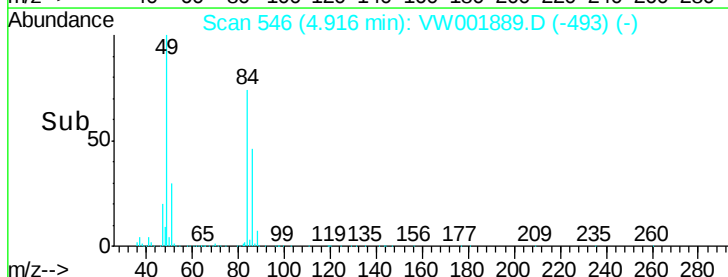
40000

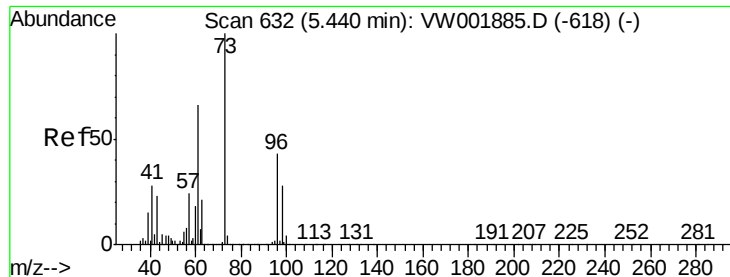
20000

0

4.80 4.90 5.00

Time-->

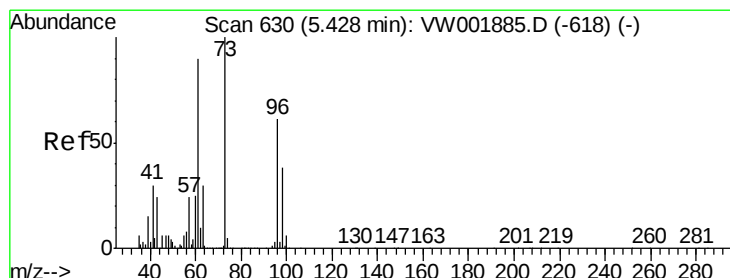
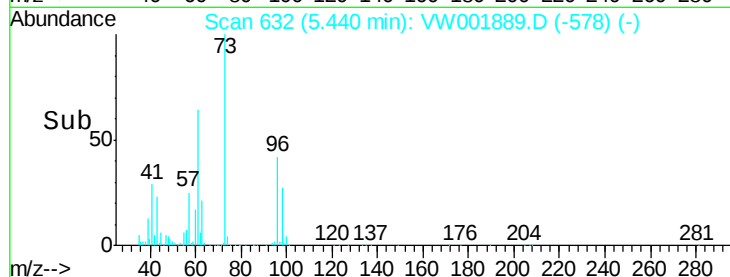
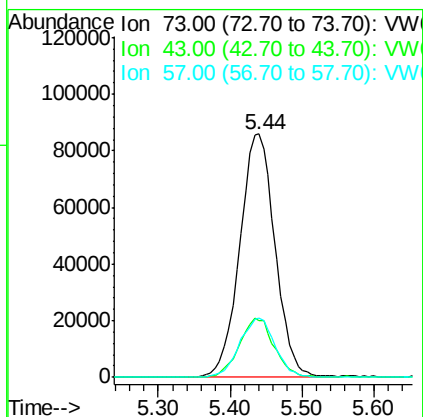
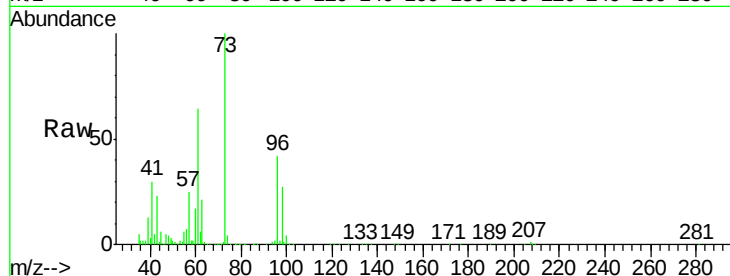




#17
Methyl tert-butyl Ether
Concen: 25.83 ug/L
RT: 5.44 min Scan# 632
Delta R.T. -0.00 min
Lab File: VW001889.D
Acq: 06 Apr 2018 18:53

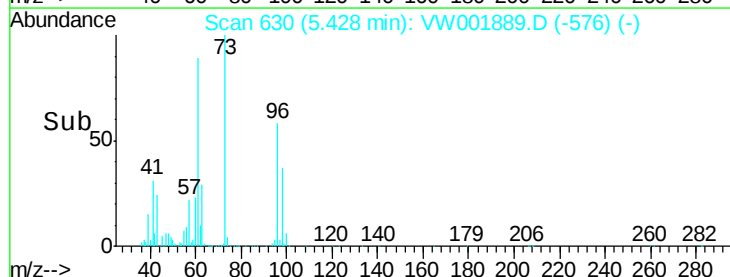
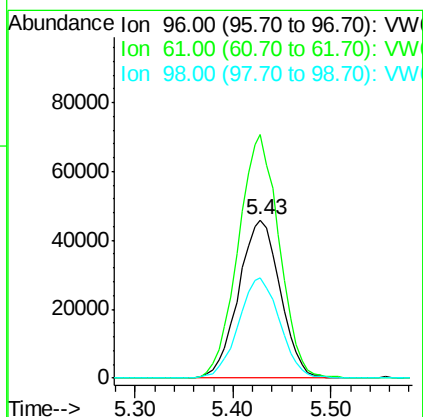
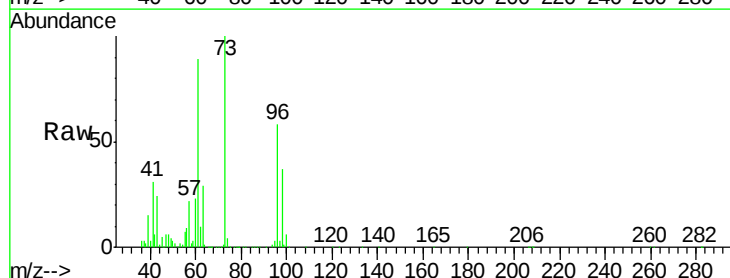
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

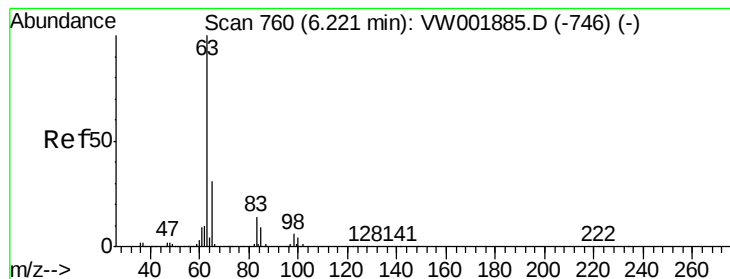
Tgt Ion: 73 Resp: 291094
Ion Ratio Lower Upper
73 100
43 23.5 18.6 28.0
57 24.4 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 25.25 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW001889.D
Acq: 06 Apr 2018 18:53

Tgt Ion: 96 Resp: 135572
Ion Ratio Lower Upper
96 100
61 154.3 104.3 193.7
98 63.9 44.2 82.0





#19

1,1-Dichloroethane

Concen: 24.79 ug/L

RT: 6.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

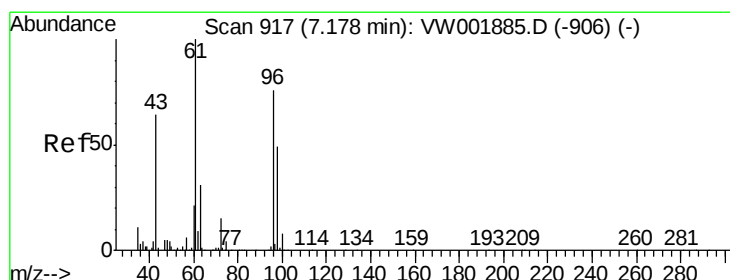
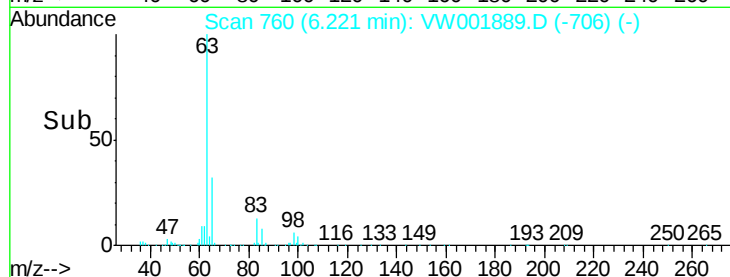
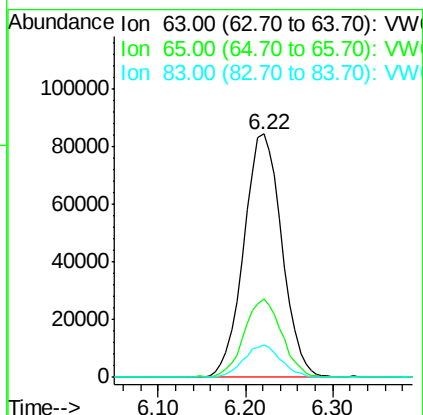
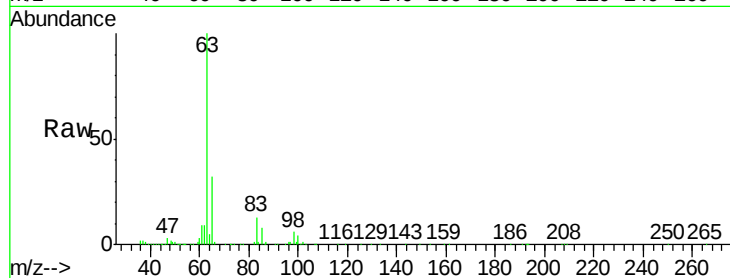
Tgt Ion: 63 Resp: 256282

Ion Ratio Lower Upper

63 100

65 32.4 21.7 40.3

83 13.3 8.8 16.4



#21

2-Butanone

Concen: 50.38 ug/L

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW001889.D

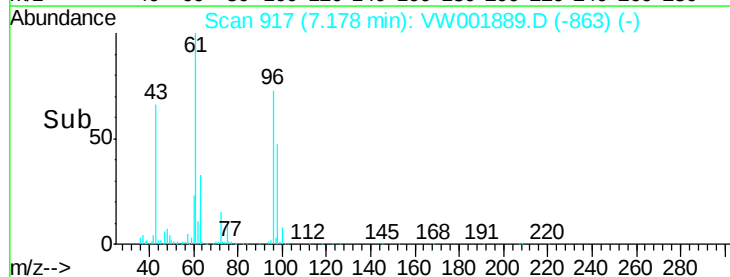
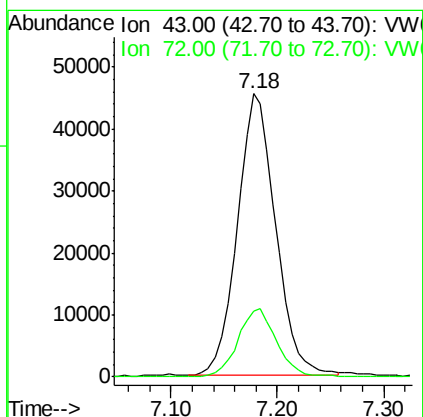
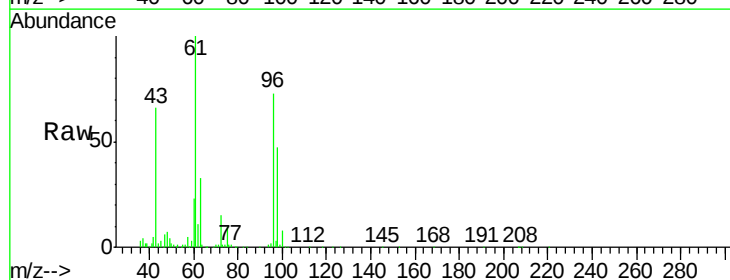
Acq: 06 Apr 2018 18:53

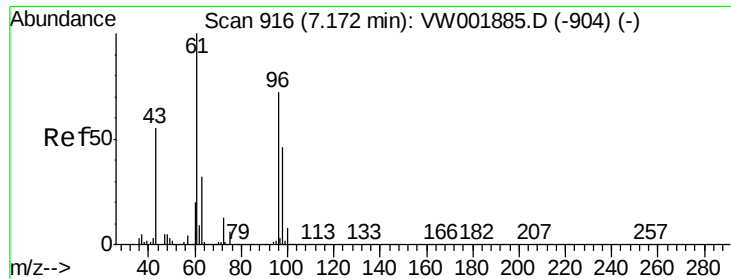
Tgt Ion: 43 Resp: 113932

Ion Ratio Lower Upper

43 100

72 24.6 12.2 36.6



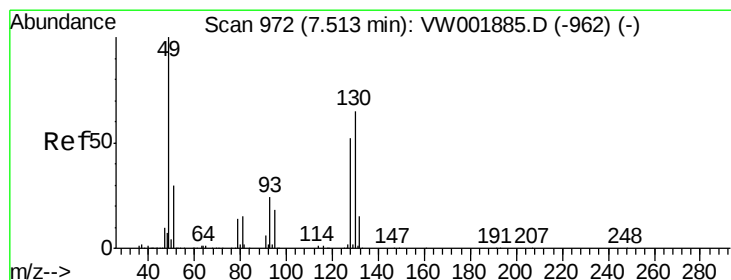
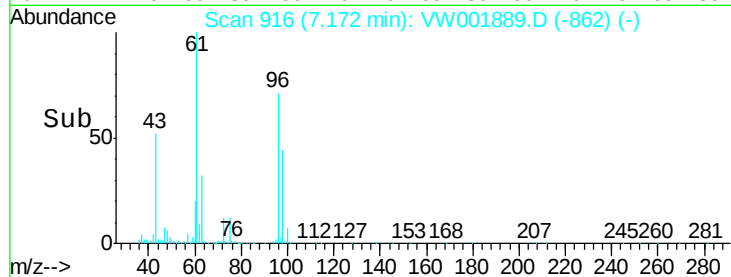
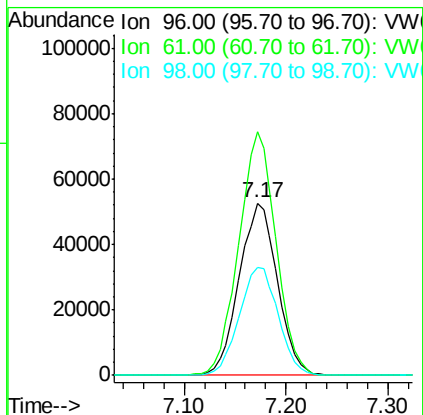
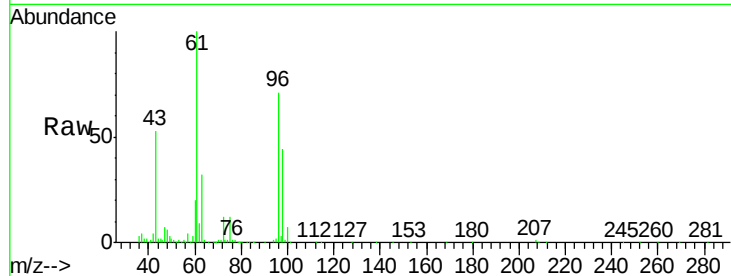


#22

cis-1,2-Dichloroethene
 Concen: 24.80 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW001889.D
 Acq: 06 Apr 2018 18:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

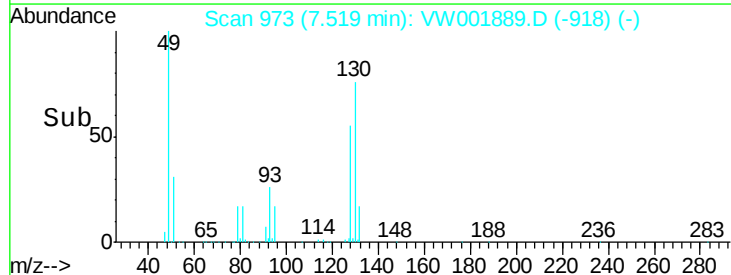
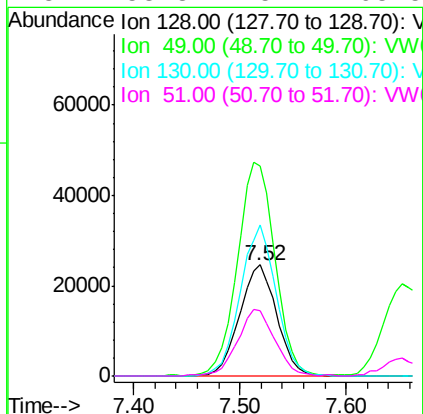
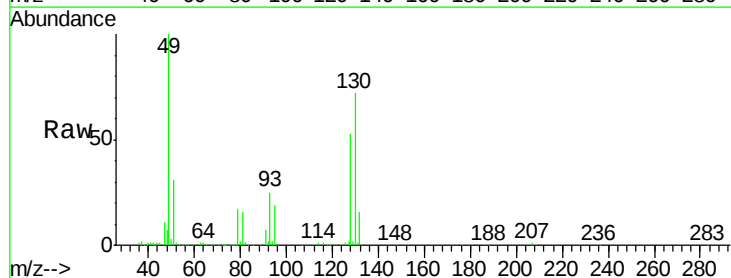
Tgt Ion: 96 Resp: 137000
 Ion Ratio Lower Upper
 96 100
 61 141.5 99.5 184.9
 98 62.8 45.2 84.0

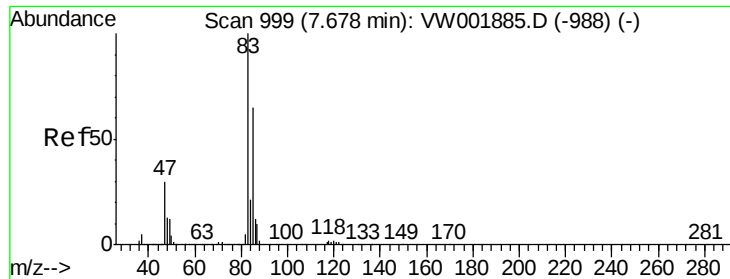


#23

Bromochloromethane
 Concen: 24.54 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. 0.01 min
 Lab File: VW001889.D
 Acq: 06 Apr 2018 18:53

Tgt Ion: 128 Resp: 60462
 Ion Ratio Lower Upper
 128 100
 49 189.6 127.9 237.5
 130 136.4 82.9 153.9
 51 58.8 45.7 68.5





#25

Chloroform

Concen: 24.20 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

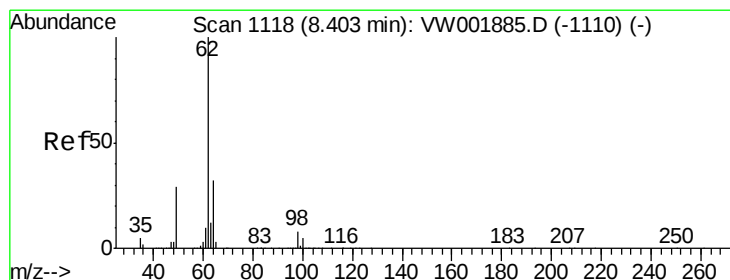
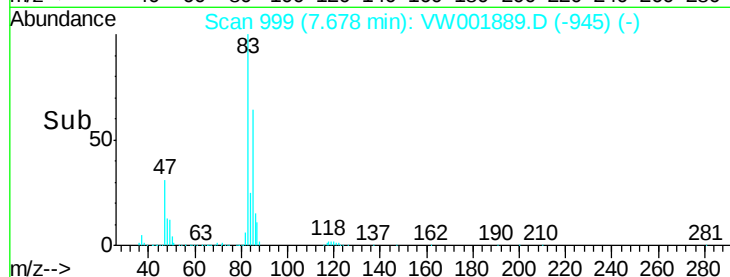
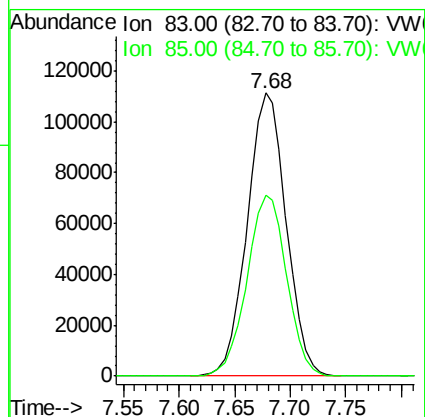
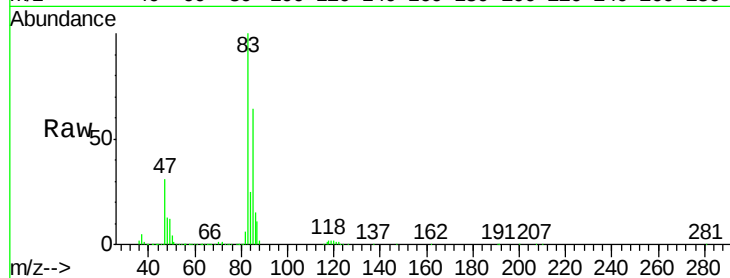
VSTD02589

Tgt Ion: 83 Resp: 270992

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.6



#27

1,2-Dichloroethane

Concen: 24.64 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW001889.D

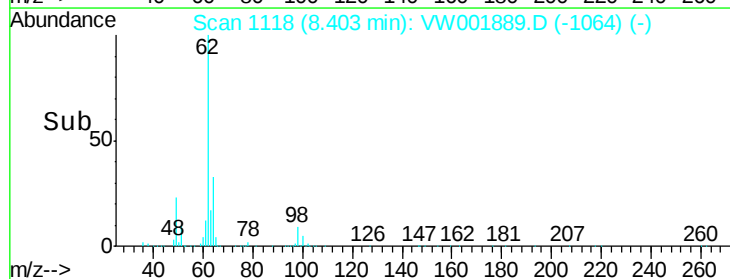
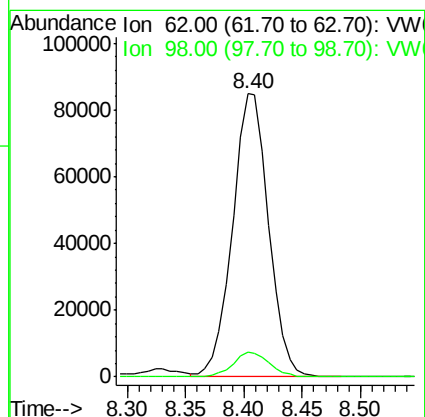
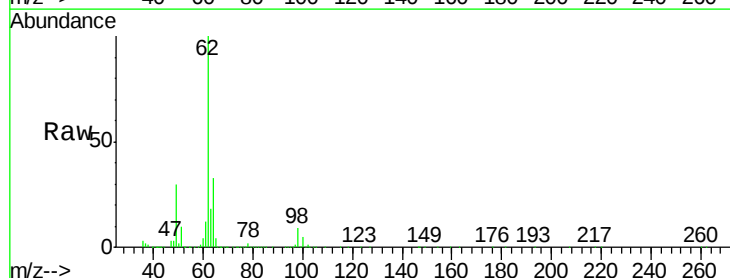
Acq: 06 Apr 2018 18:53

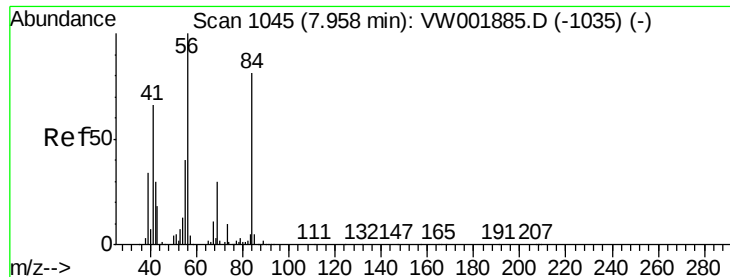
Tgt Ion: 62 Resp: 182417

Ion Ratio Lower Upper

62 100

98 8.9 6.7 10.1

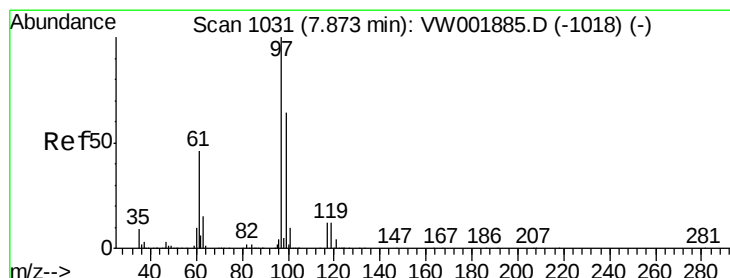
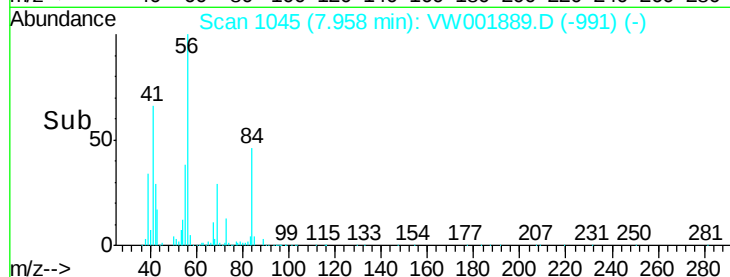
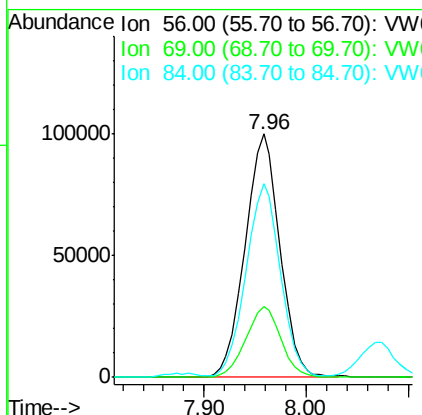
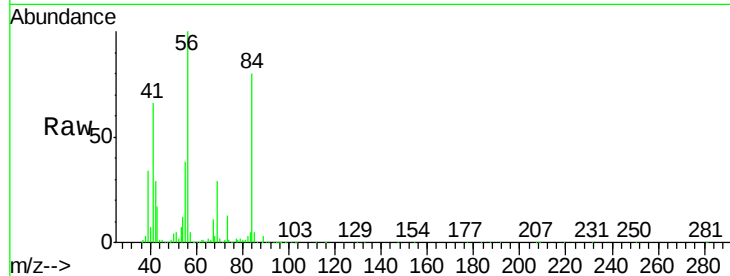




#30
Cyclohexane
Concen: 26.45 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW001889.D
Acq: 06 Apr 2018 18:53

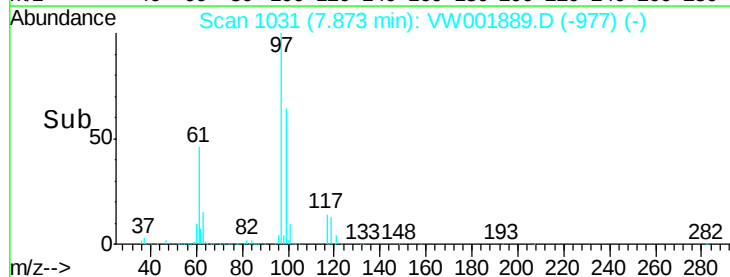
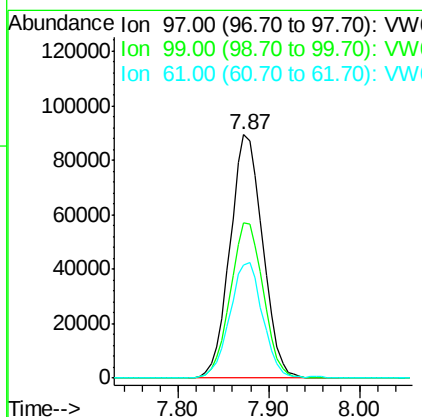
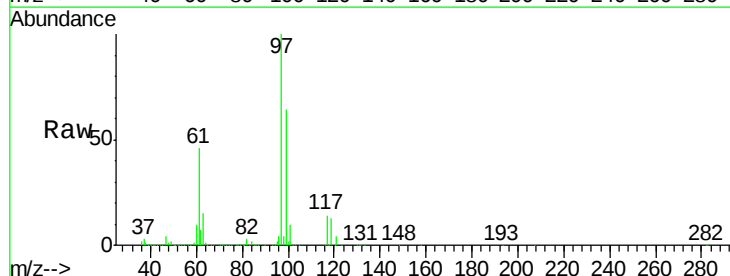
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

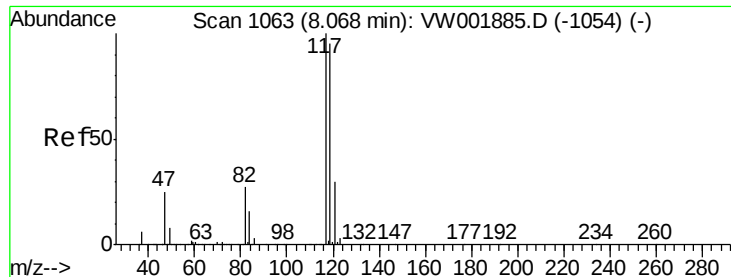
Tgt Ion: 56 Resp: 237872
Ion Ratio Lower Upper
56 100
69 29.3 22.9 34.3
84 79.0 64.3 96.5



#31
1,1,1-Trichloroethane
Concen: 24.38 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW001889.D
Acq: 06 Apr 2018 18:53

Tgt Ion: 97 Resp: 223368
Ion Ratio Lower Upper
97 100
99 64.3 52.0 78.0
61 47.8 38.0 57.0





#32

Carbon tetrachloride

Concen: 24.28 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

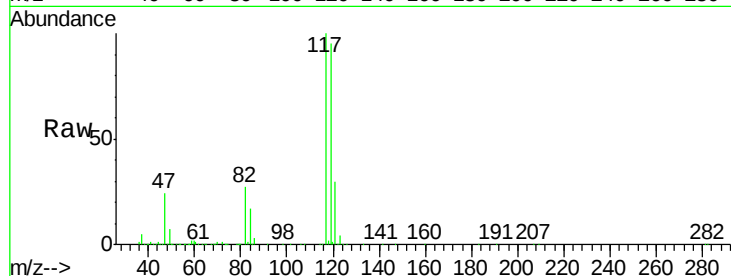
VSTD02589

Tgt Ion:117 Resp: 204437

Ion Ratio Lower Upper

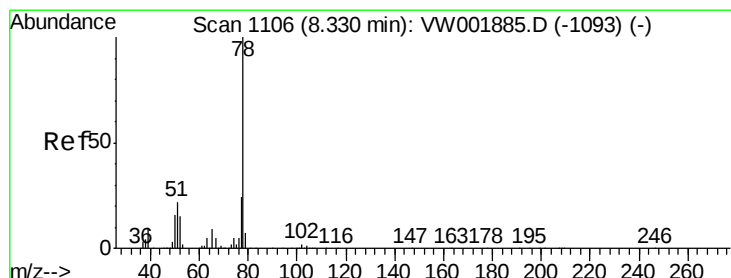
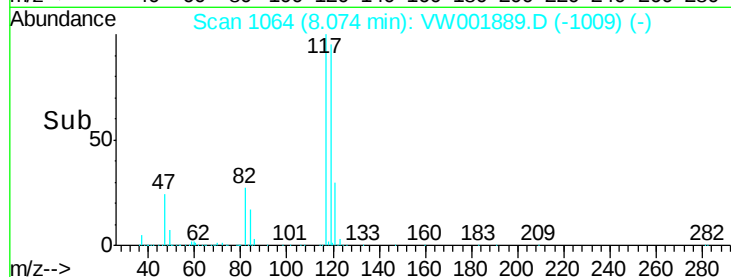
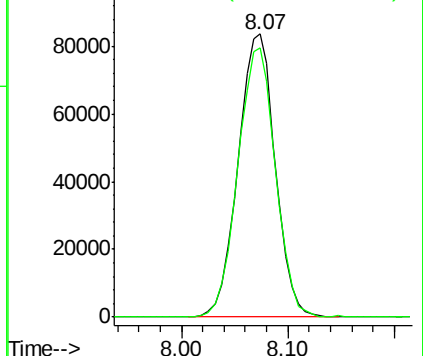
117 100

119 96.3 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: 25.20 ug/L

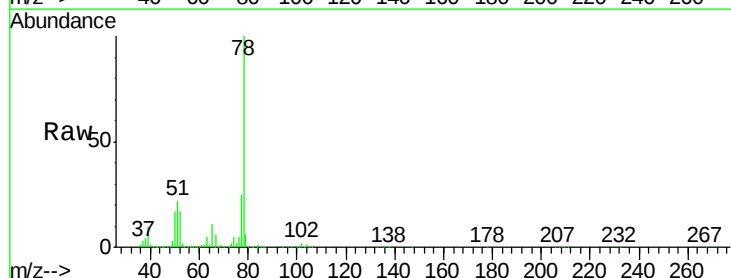
RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

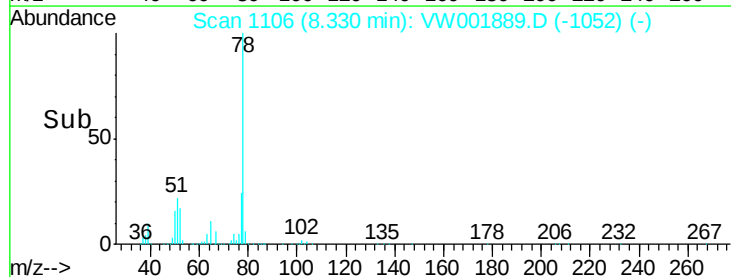
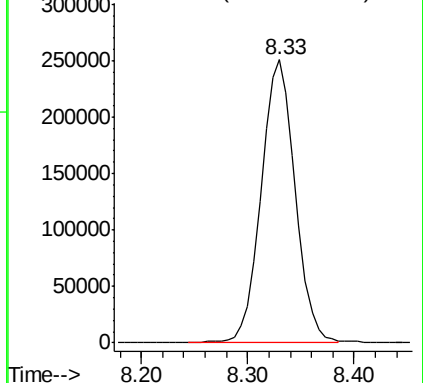
Lab File: VW001889.D

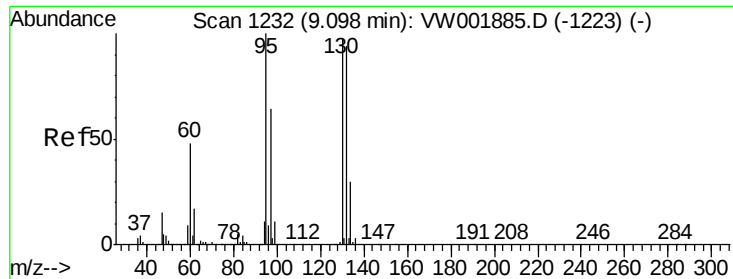
Acq: 06 Apr 2018 18:53

Tgt Ion: 78 Resp: 557141



Abundance Ion 78.00 (77.70 to 78.70): VW

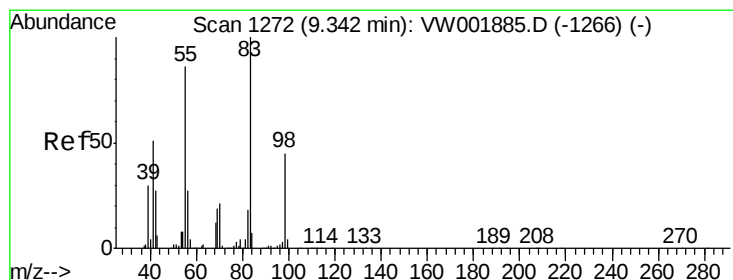
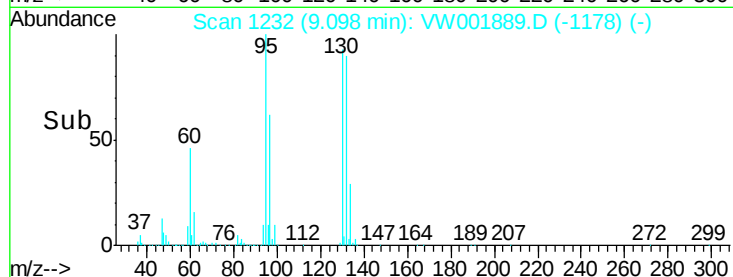
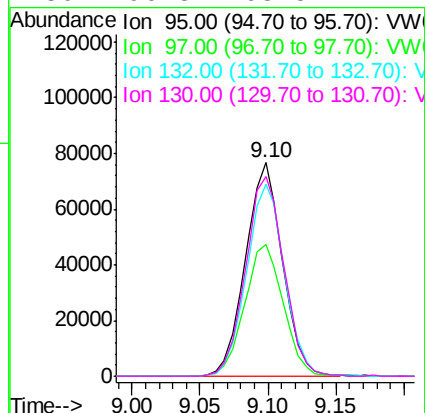
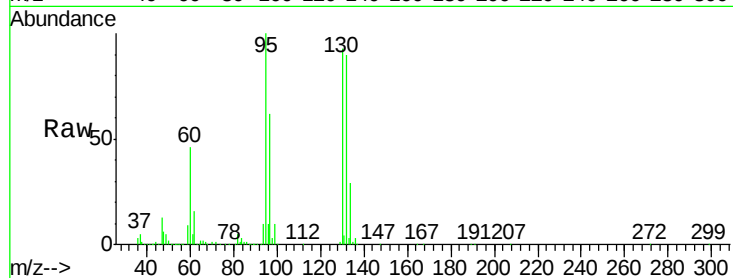




#35
 Trichloroethene
 Concen: 24.79 ug/L
 RT: 9.10 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VW001889.D
 Acq: 06 Apr 2018 18:53

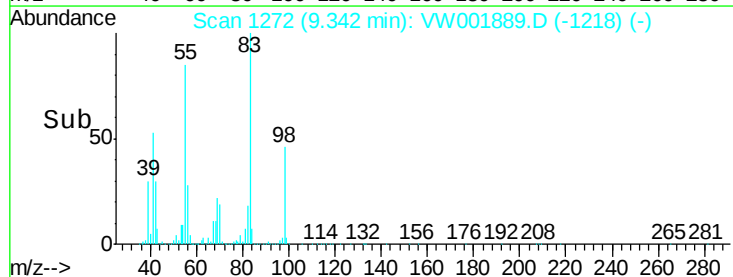
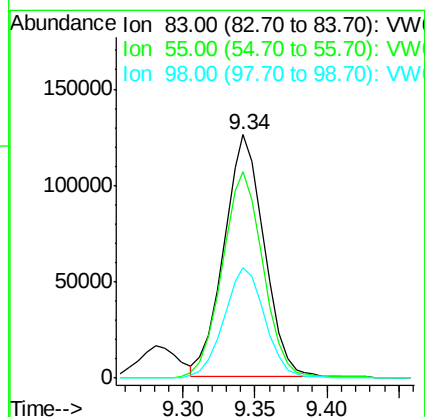
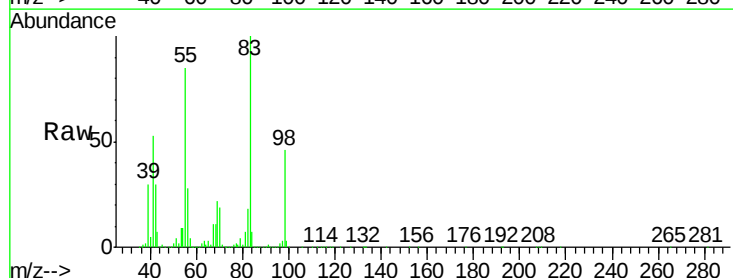
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

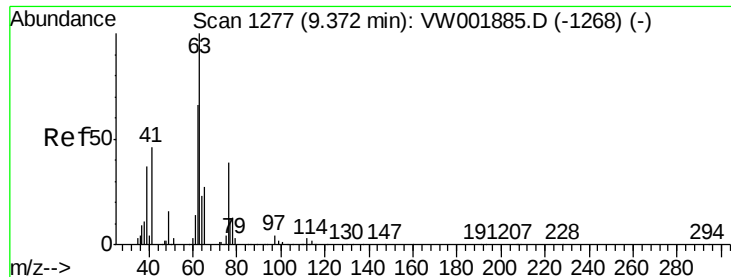
Tgt Ion:	95	Resp:	146205
Ion	Ratio	Lower	Upper
95	100		
97	64.6	44.9	83.3
132	92.5	66.2	123.0
130	96.8	68.5	127.1



#36
 Methylcyclohexane
 Concen: 26.23 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VW001889.D
 Acq: 06 Apr 2018 18:53

Tgt Ion:	83	Resp:	244828
Ion	Ratio	Lower	Upper
83	100		
55	87.9	67.0	100.4
98	46.9	35.9	53.9

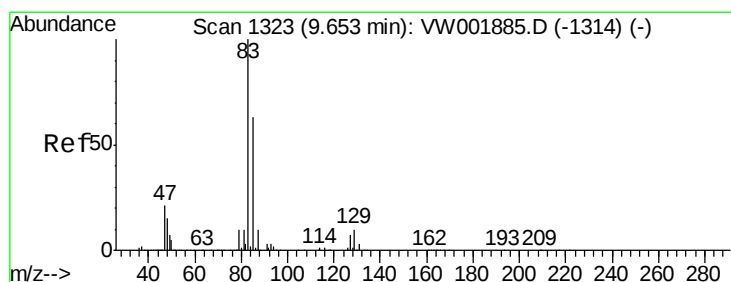
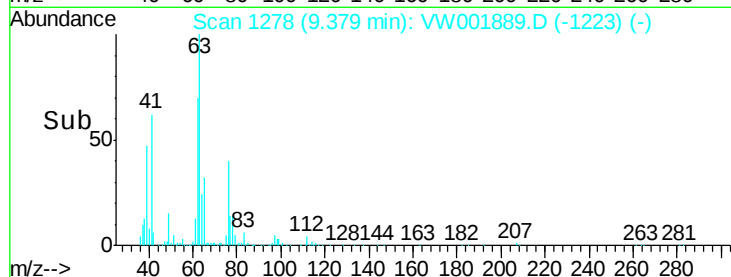
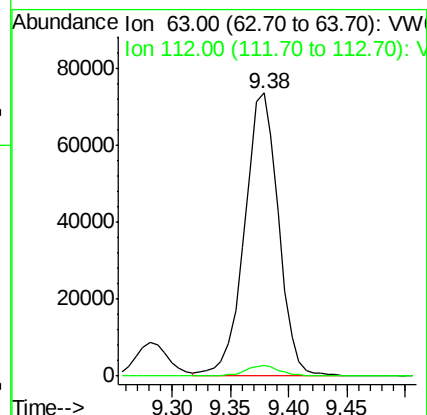
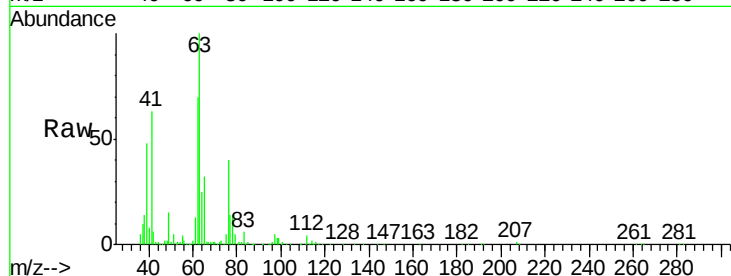




#40
 1,2-Dichloropropane
 Concen: 25.05 ug/L
 RT: 9.38 min Scan# 1278
 Delta R.T. 0.01 min
 Lab File: VW001889.D
 Acq: 06 Apr 2018 18:53

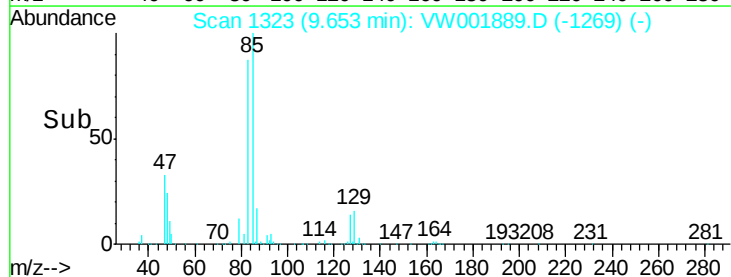
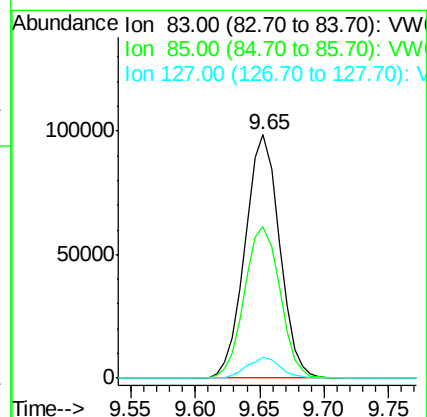
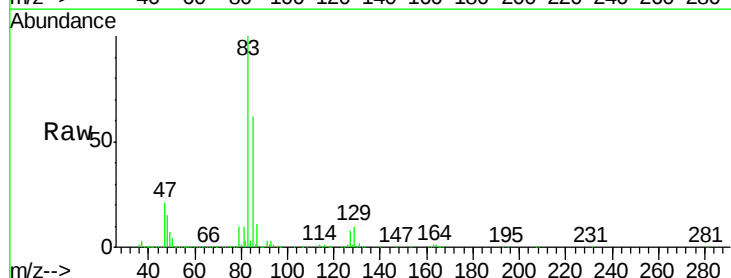
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

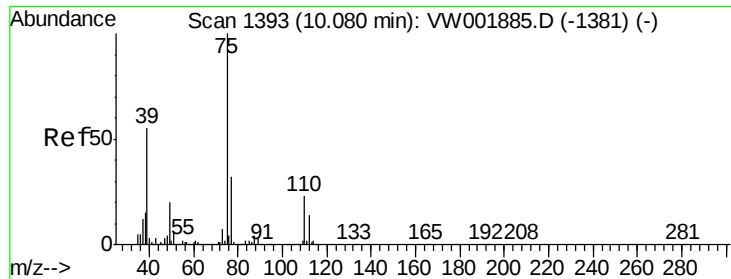
Tgt Ion: 63 Resp: 149305
 Ion Ratio Lower Upper
 63 100
 112 4.0 2.9 4.3



#41
 Bromodichloromethane
 Concen: 24.61 ug/L
 RT: 9.65 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VW001889.D
 Acq: 06 Apr 2018 18:53

Tgt Ion: 83 Resp: 182470
 Ion Ratio Lower Upper
 83 100
 85 62.4 42.7 79.3
 127 8.5 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 25.09 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

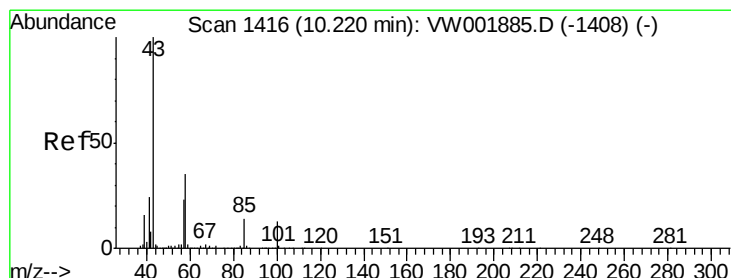
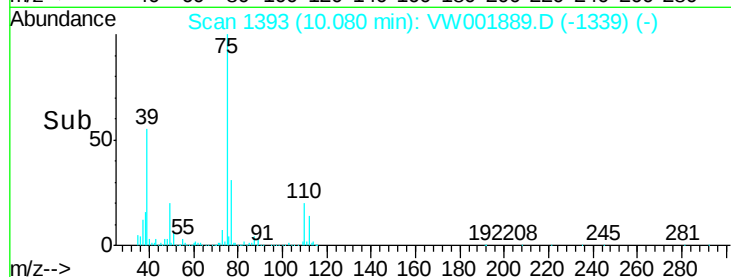
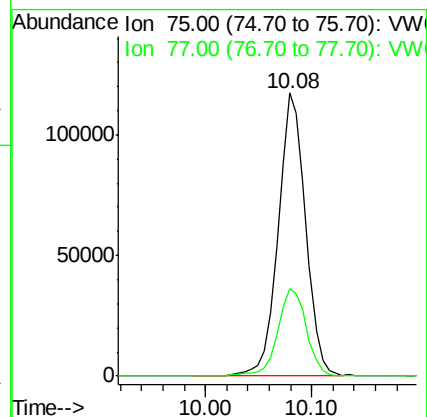
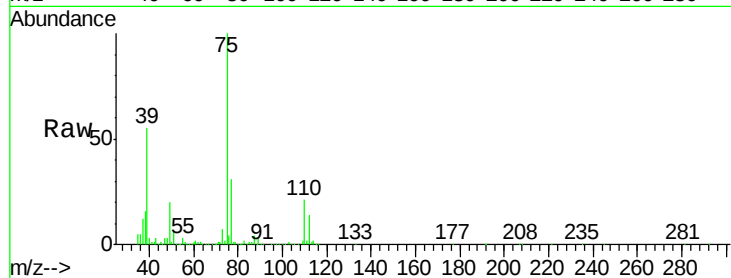
VSTD02589

Tgt Ion: 75 Resp: 209345

Ion Ratio Lower Upper

75 100

77 31.1 22.7 42.1



#43

4-Methyl-2-pentanone

Concen: 51.78 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

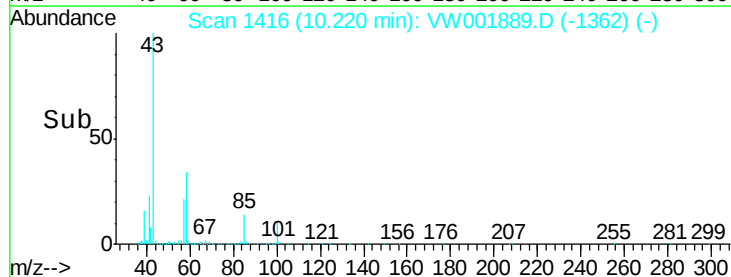
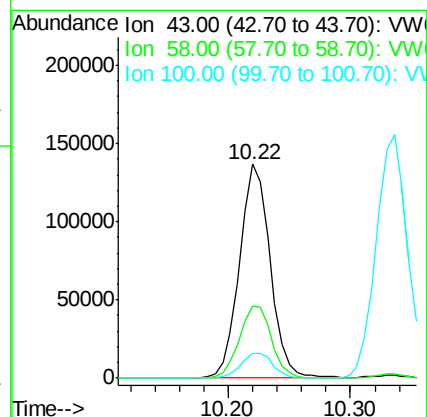
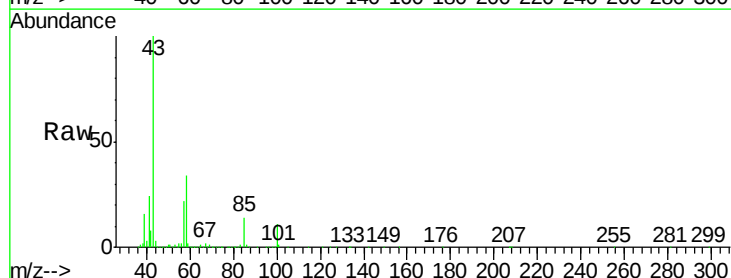
Tgt Ion: 43 Resp: 236613

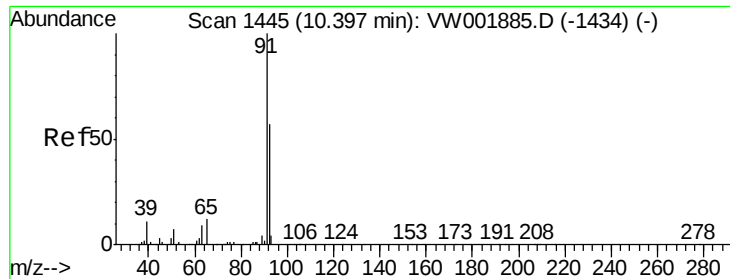
Ion Ratio Lower Upper

43 100

58 35.0 28.1 42.1

100 12.1 9.6 14.4





#44

Toluene

Concen: 26.12 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

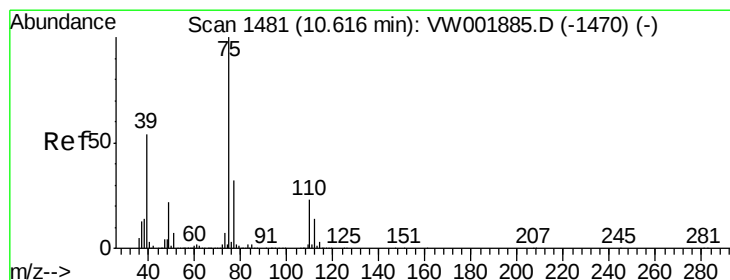
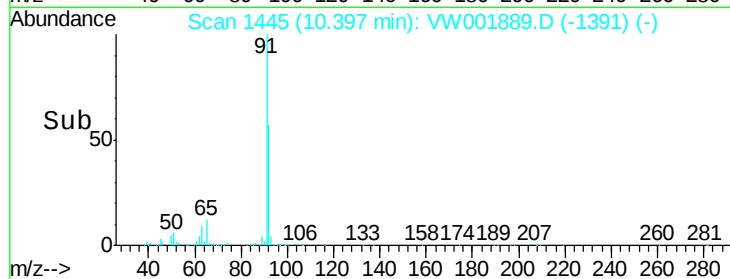
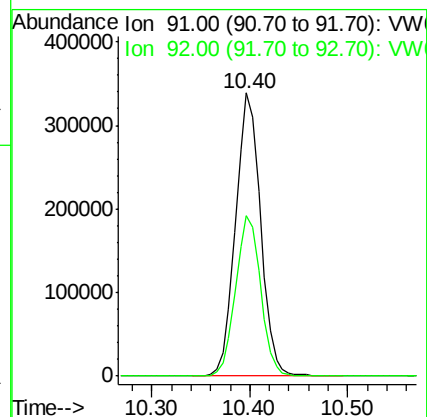
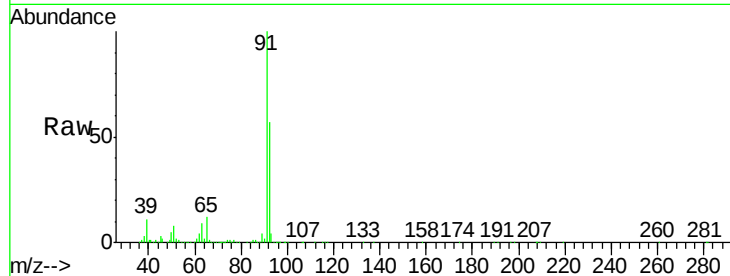
VSTD02589

Tgt Ion: 91 Resp: 602166

Ion Ratio Lower Upper

91 100

92 56.8 40.0 74.2



#45

trans-1,3-Dichloropropene

Concen: 26.11 ug/L

RT: 10.62 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW001889.D

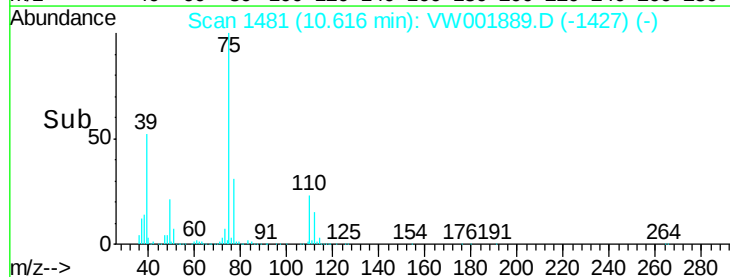
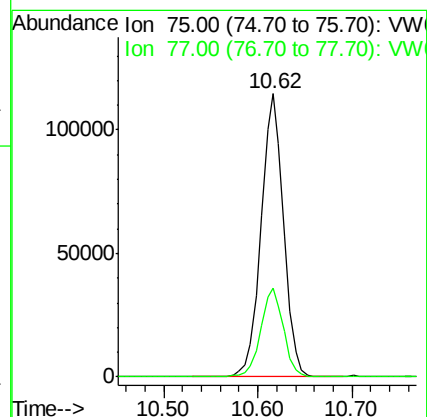
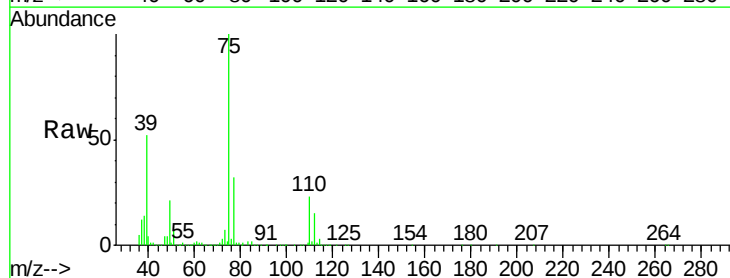
Acq: 06 Apr 2018 18:53

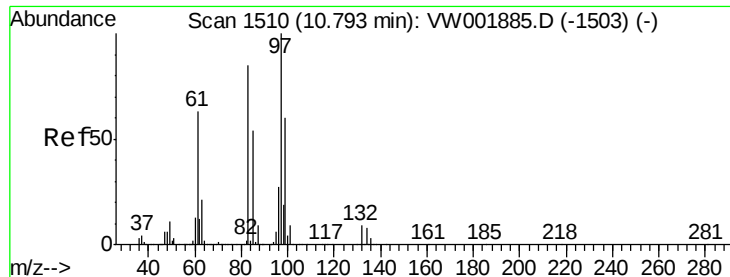
Tgt Ion: 75 Resp: 193130

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.6

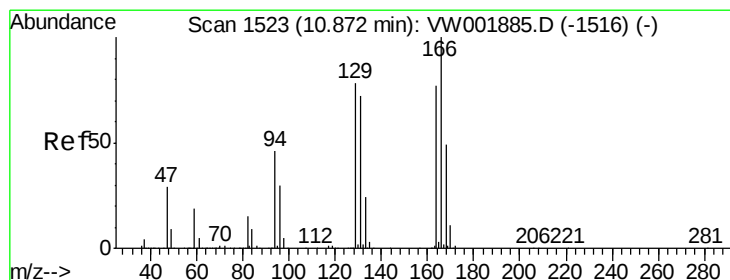
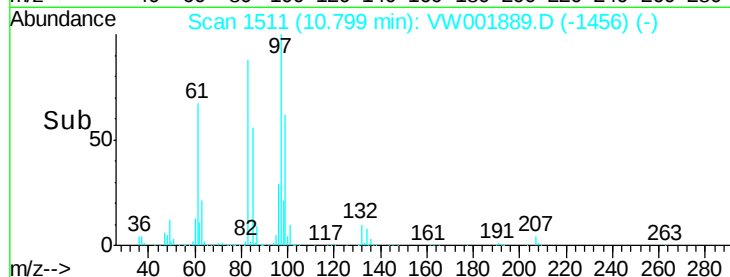
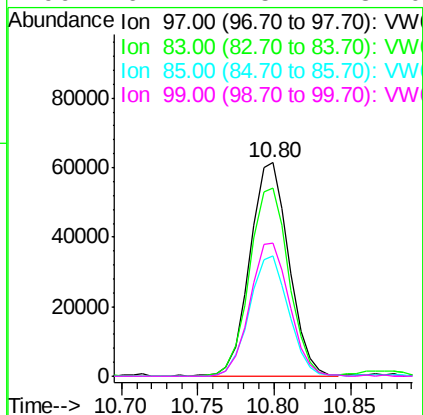
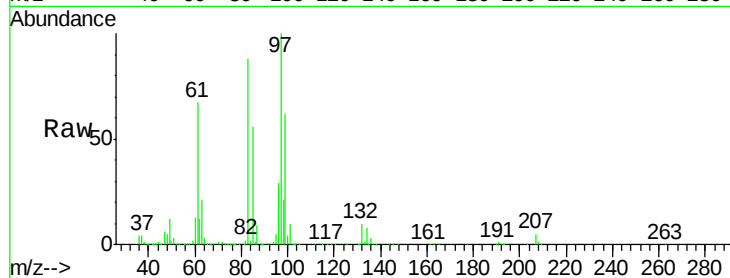




#46
 1,1,2-Trichloroethane
 Concen: 24.51 ug/L
 RT: 10.80 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VW001889.D
 Acq: 06 Apr 2018 18:53

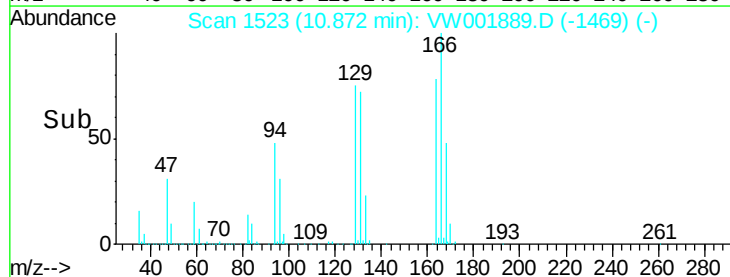
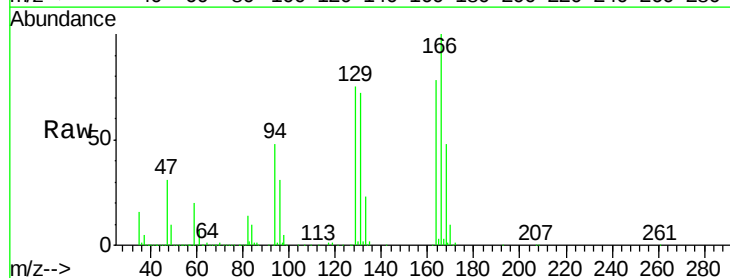
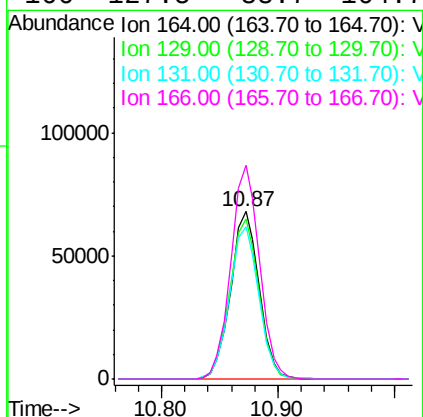
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

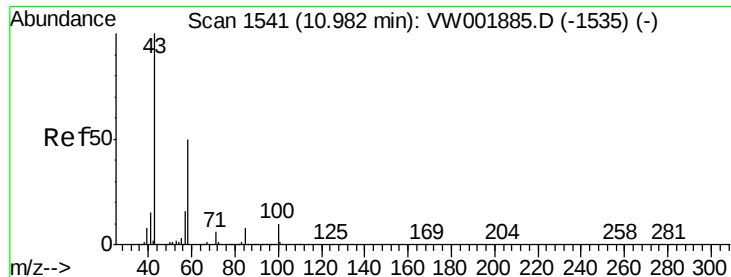
Tgt Ion: 97 Resp: 109336
 Ion Ratio Lower Upper
 97 100
 83 88.0 62.6 116.3
 85 56.4 37.2 69.2
 99 62.4 45.2 84.0



#47
 Tetrachloroethene
 Concen: 24.97 ug/L
 RT: 10.87 min Scan# 1523
 Delta R.T. -0.00 min
 Lab File: VW001889.D
 Acq: 06 Apr 2018 18:53

Tgt Ion: 164 Resp: 116333
 Ion Ratio Lower Upper
 164 100
 129 95.8 68.7 127.7
 131 91.3 65.7 122.1
 166 127.5 88.7 164.7





#49

2-Hexanone

Concen: 52.76 ug/L

RT: 10.98 min Scan# 1541

Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

Tgt Ion: 43 Resp: 174757

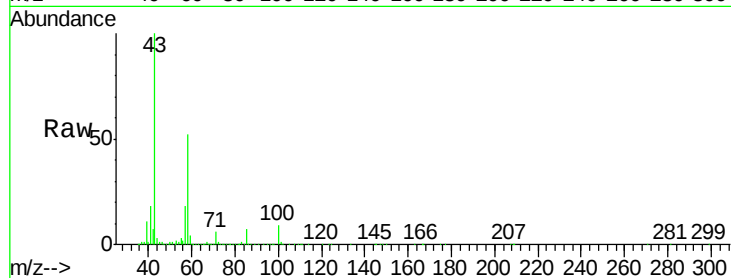
Ion Ratio Lower Upper

43 100

58 50.2 40.5 60.7

57 17.6 13.8 20.6

100 9.5 7.5 11.3

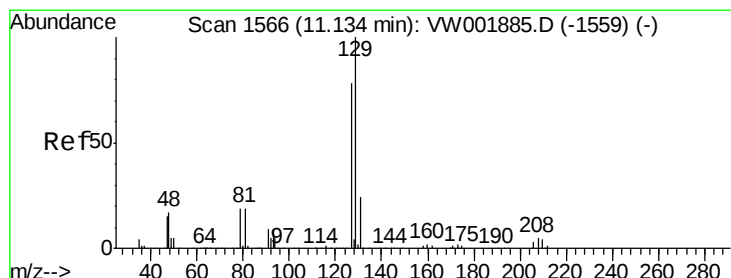
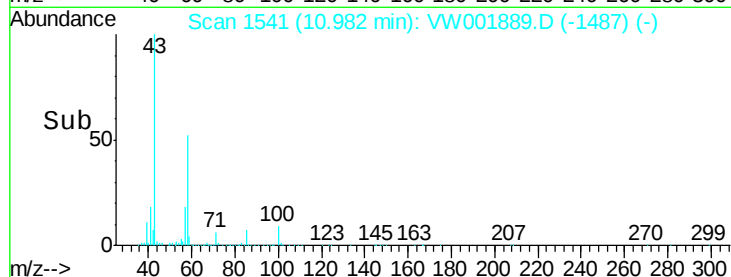
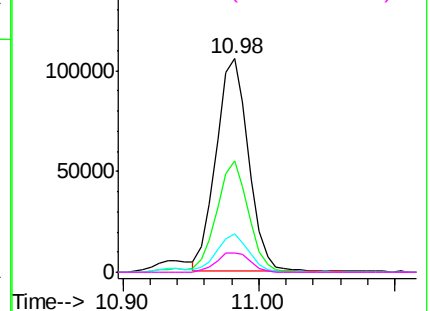


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 24.98 ug/L

RT: 11.14 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VW001889.D

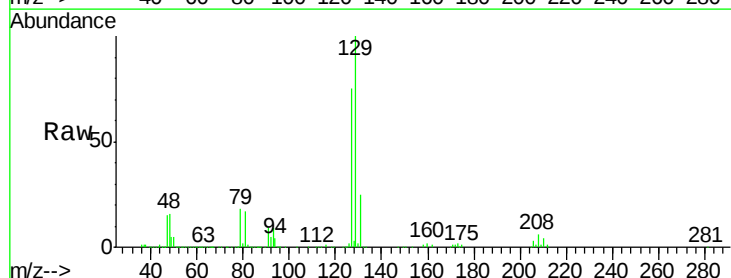
Acq: 06 Apr 2018 18:53

Tgt Ion: 129 Resp: 127951

Ion Ratio Lower Upper

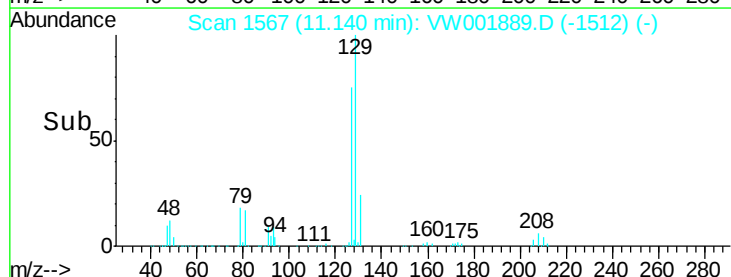
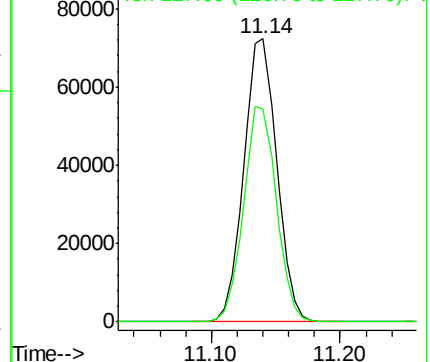
129 100

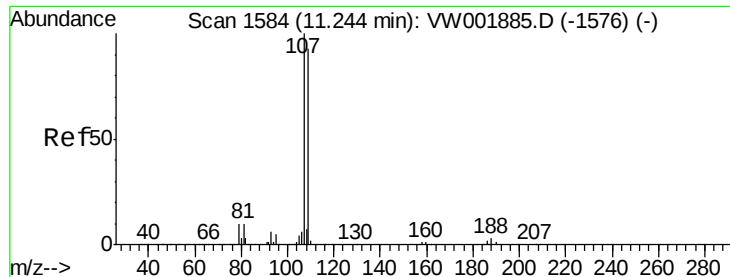
127 75.5 54.8 101.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 24.66 ug/L

RT: 11.24 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

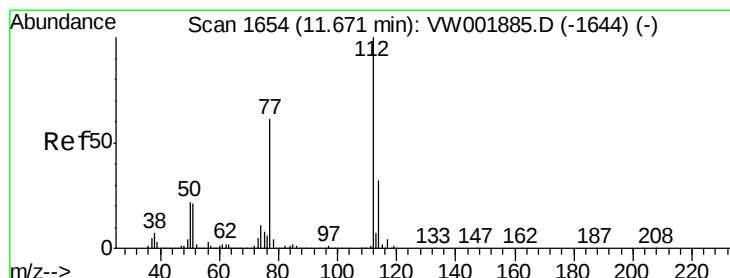
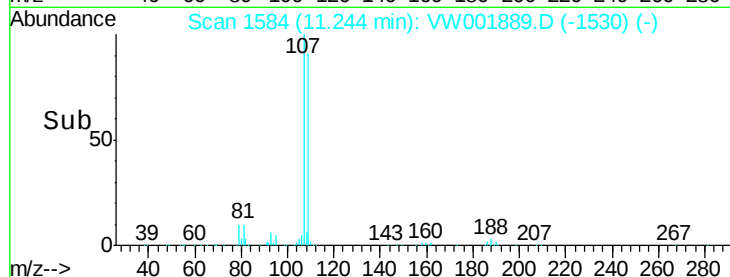
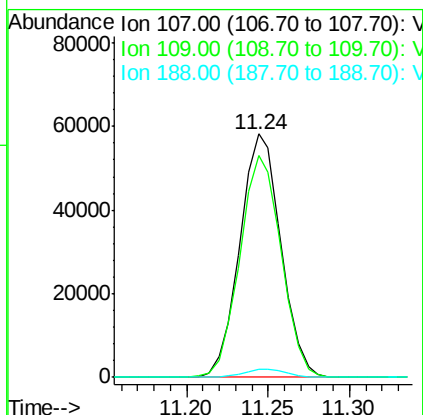
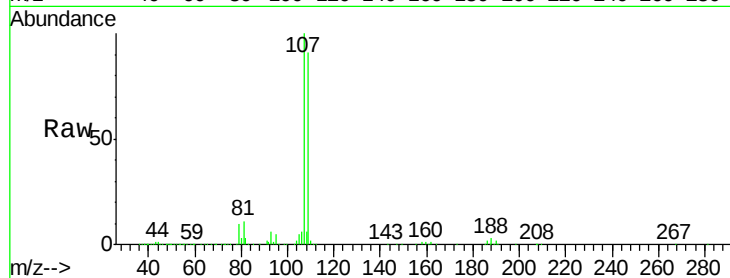
Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

Tgt Ion:	107	Resp:	101505
Ion	Ratio	Lower	Upper
107	100		
109	91.3	69.0	128.2
188	3.5	3.0	4.4



#52

Chlorobenzene

Concen: 25.05 ug/L

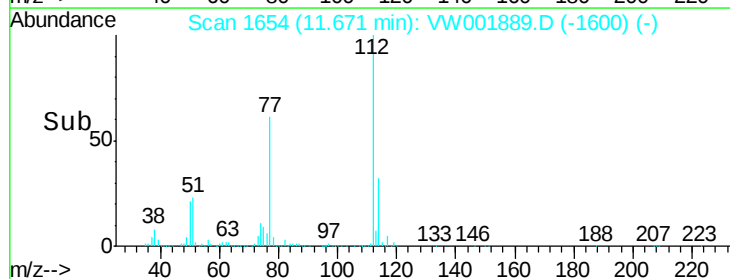
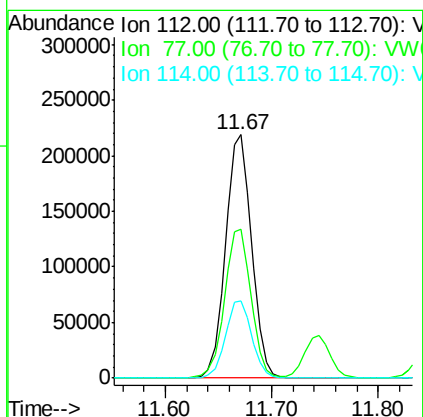
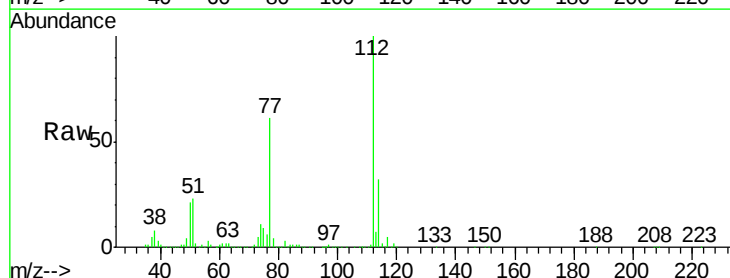
RT: 11.67 min Scan# 1654

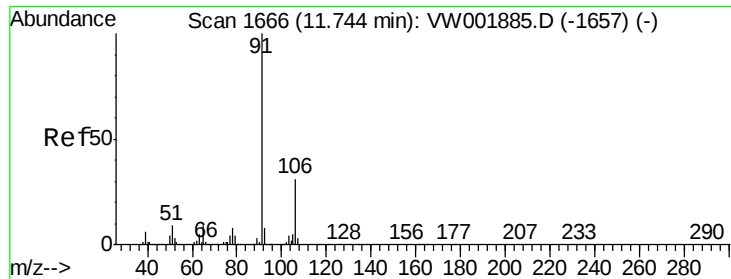
Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

Tgt Ion:	112	Resp:	374398
Ion	Ratio	Lower	Upper
112	100		
77	61.3	49.4	74.0
114	32.0	21.8	40.6





#53

Ethylbenzene

Concen: 26.25 ug/L

RT: 11.74 min Scan# 1666

Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

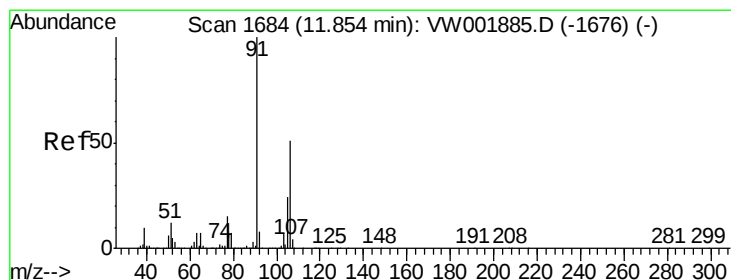
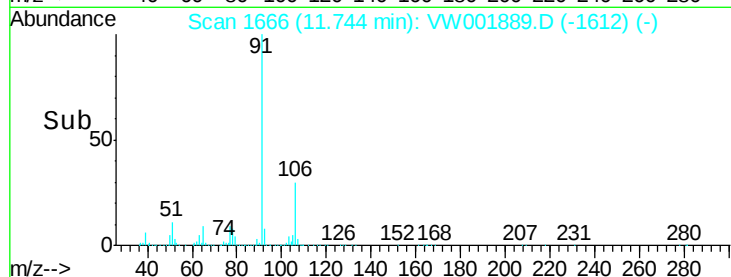
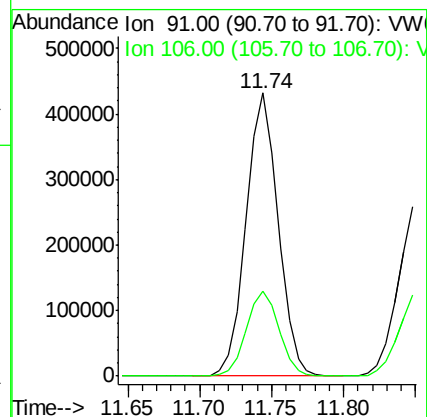
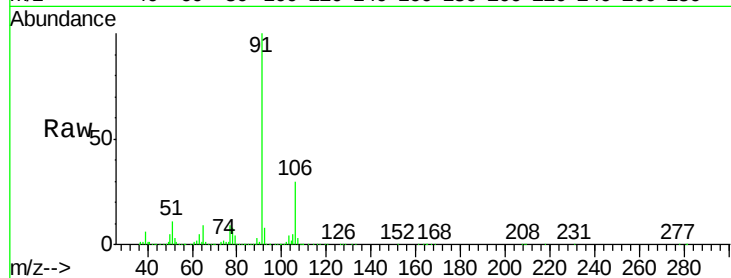
VSTD02589

Tgt Ion: 91 Resp: 665887

Ion Ratio Lower Upper

91 100

106 30.1 21.6 40.0



#54

m,p-Xylene

Concen: 26.51 ug/L

RT: 11.85 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW001889.D

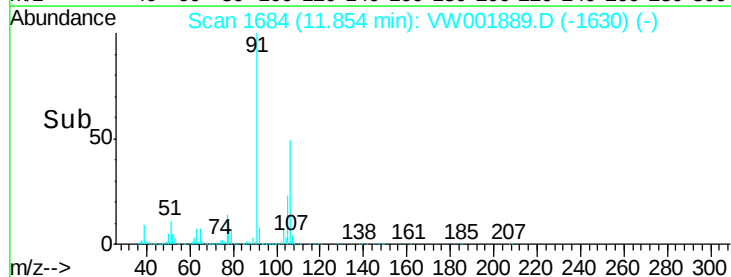
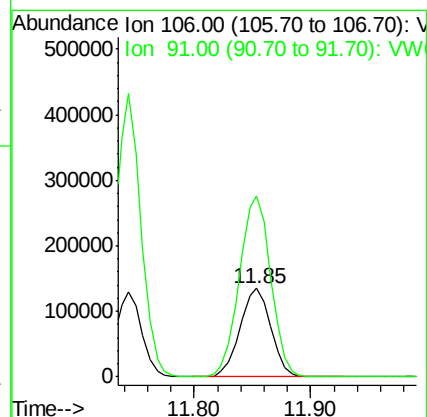
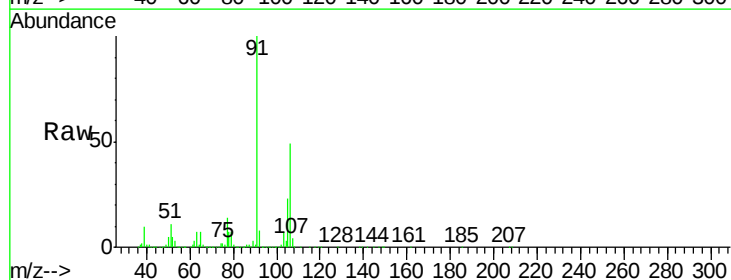
Acq: 06 Apr 2018 18:53

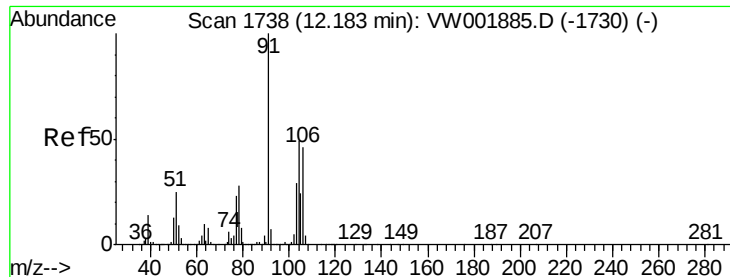
Tgt Ion: 106 Resp: 249363

Ion Ratio Lower Upper

106 100

91 204.8 142.9 265.3

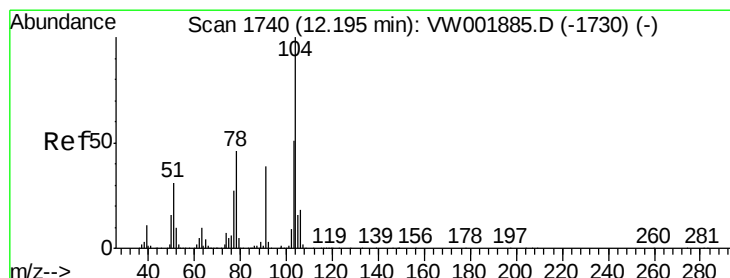
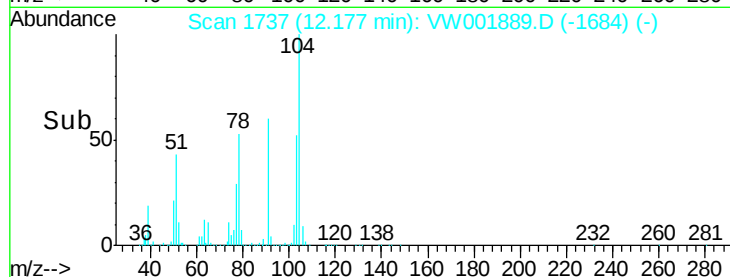
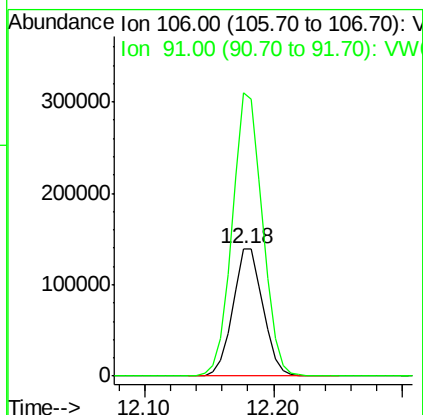
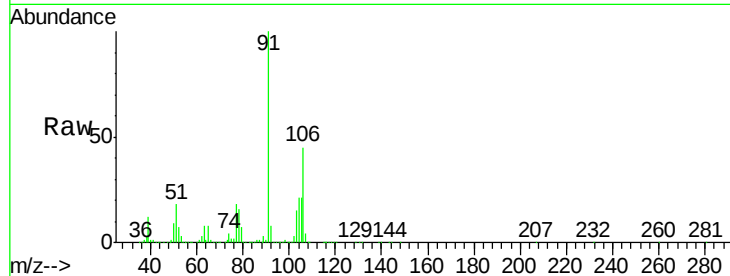




#55
o-xylene
Concen: 26.36 ug/L
RT: 12.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VW001889.D
Acq: 06 Apr 2018 18:53

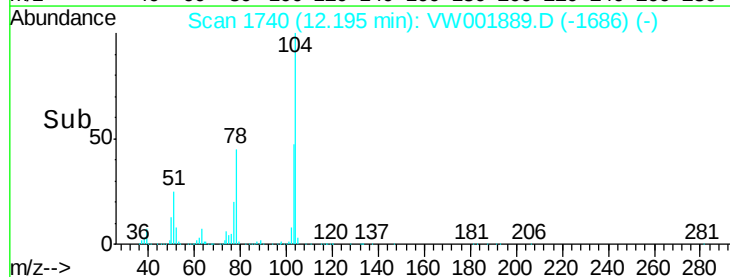
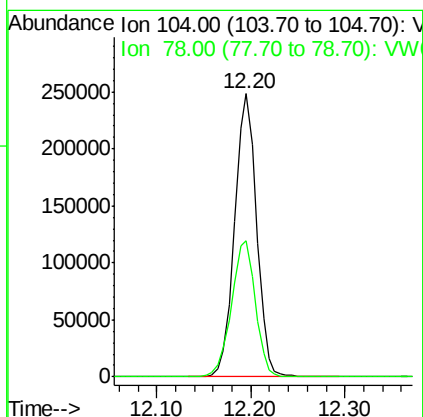
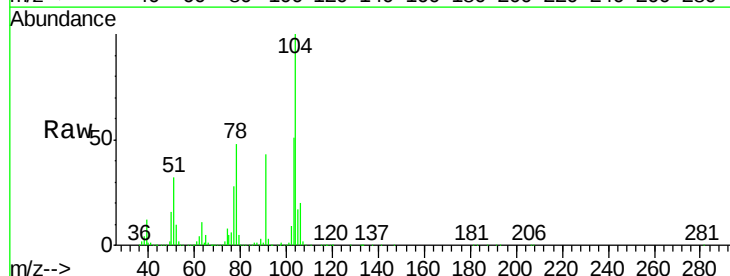
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

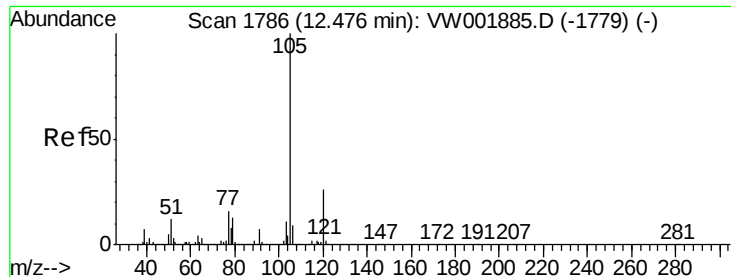
Tgt Ion:106 Resp: 226642
Ion Ratio Lower Upper
106 100
91 221.8 155.2 288.2



#56
Styrene
Concen: 27.32 ug/L
RT: 12.20 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW001889.D
Acq: 06 Apr 2018 18:53

Tgt Ion:104 Resp: 402900
Ion Ratio Lower Upper
104 100
78 48.0 32.1 59.5





#57

Isopropylbenzene

Concen: 27.26 ug/L

RT: 12.48 min Scan# 1787

Delta R.T. 0.01 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

Instrument :

MSVOA_W

ClientSampled :

VSTD02589

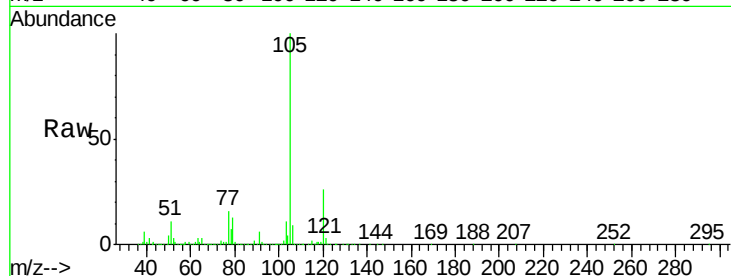
Tgt Ion: 105 Resp: 636250

Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

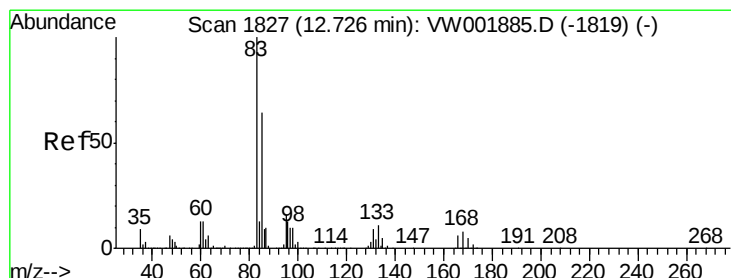
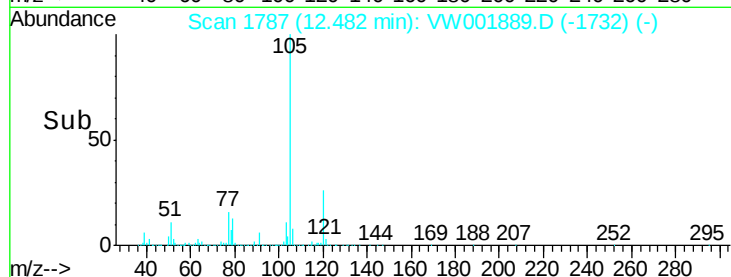
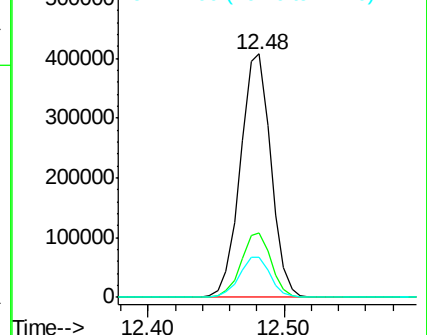
77 16.6 13.4 20.0



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: 25.37 ug/L

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

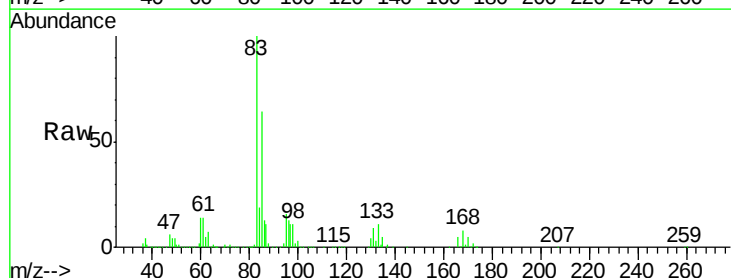
Tgt Ion: 83 Resp: 151058

Ion Ratio Lower Upper

83 100

85 63.6 44.0 81.6

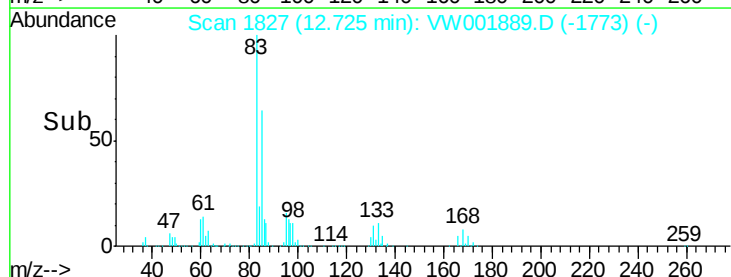
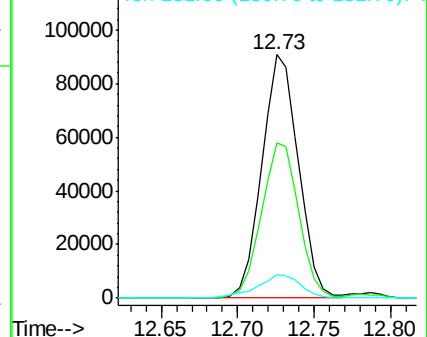
131 9.5 8.0 12.0

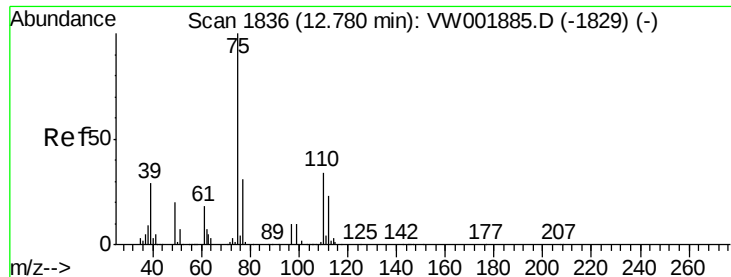


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

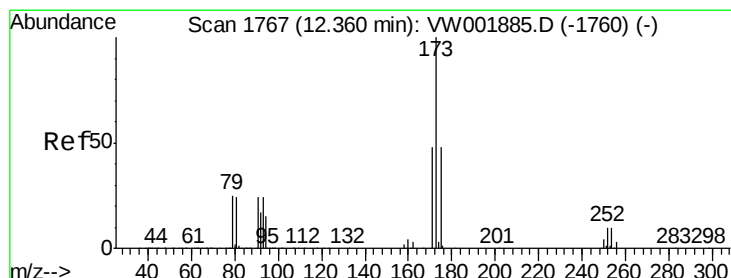
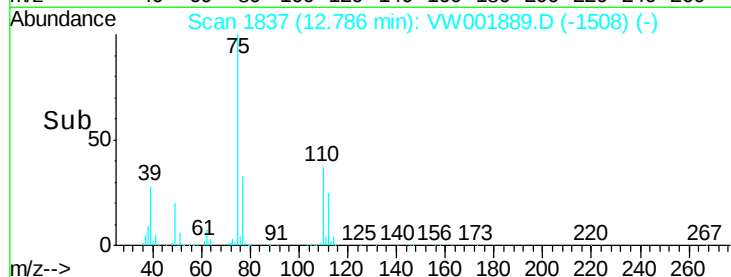
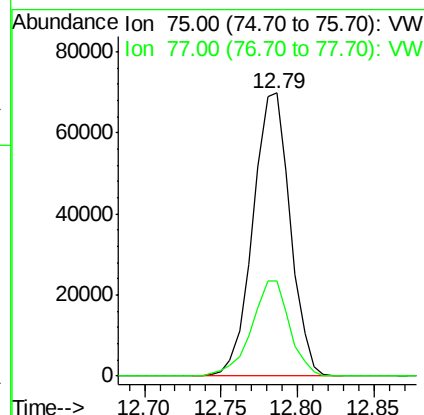
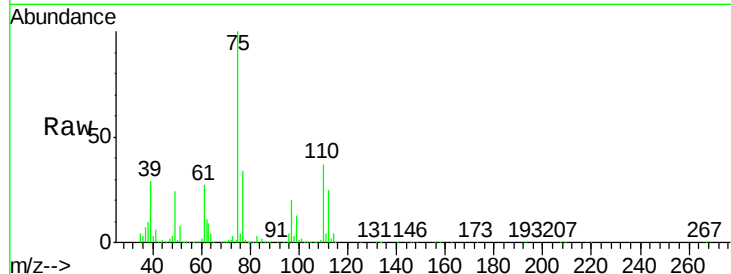




#59
 1,2,3-Trichloropropane
 Concen: 25.24 ug/L
 RT: 12.79 min Scan# 1837
 Delta R.T. 0.01 min
 Lab File: VW001889.D
 Acq: 06 Apr 2018 18:53

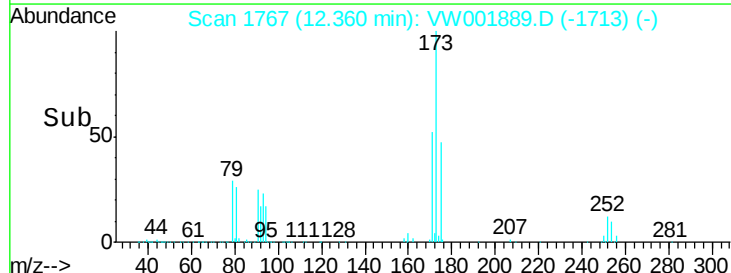
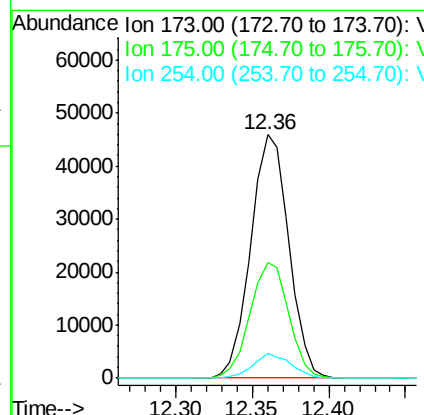
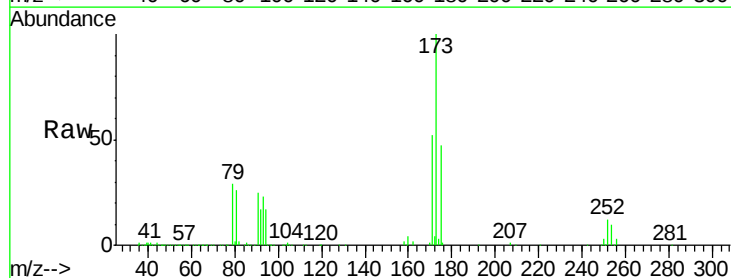
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

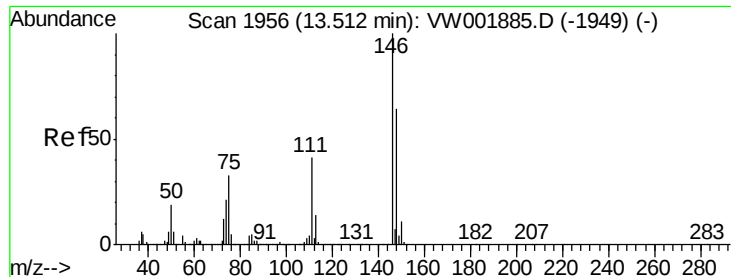
Tgt Ion: 75 Resp: 118336
 Ion Ratio Lower Upper
 75 100
 77 34.2 26.5 39.7



#62
 Bromoform
 Concen: 24.61 ug/L
 RT: 12.36 min Scan# 1767
 Delta R.T. -0.00 min
 Lab File: VW001889.D
 Acq: 06 Apr 2018 18:53

Tgt Ion: 173 Resp: 79563
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.6 59.4
 254 9.7 8.1 12.1

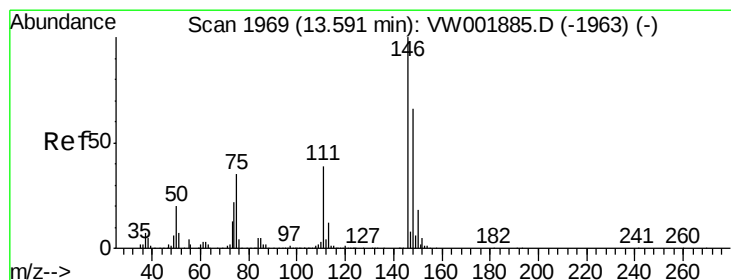
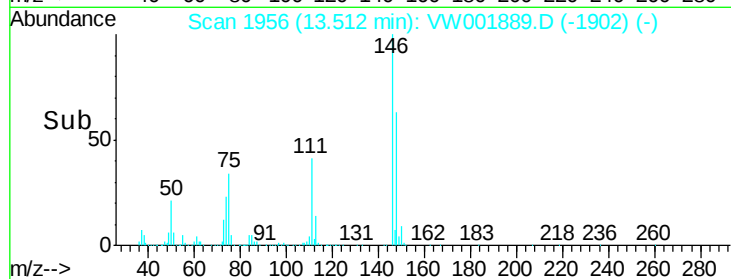
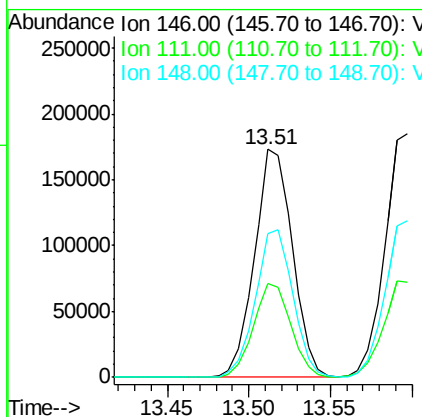
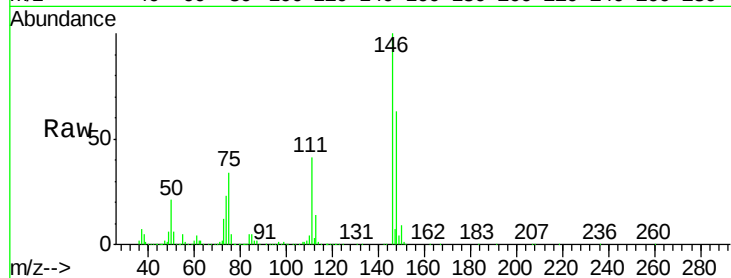




#63
 1,3-Dichlorobenzene
 Concen: 25.18 ug/L
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW001889.D
 Acq: 06 Apr 2018 18:53

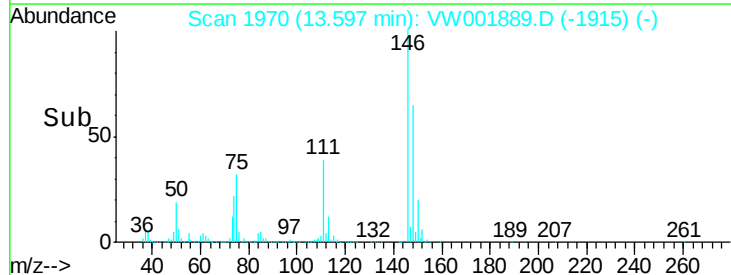
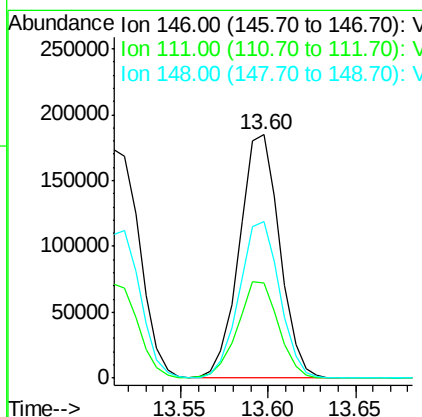
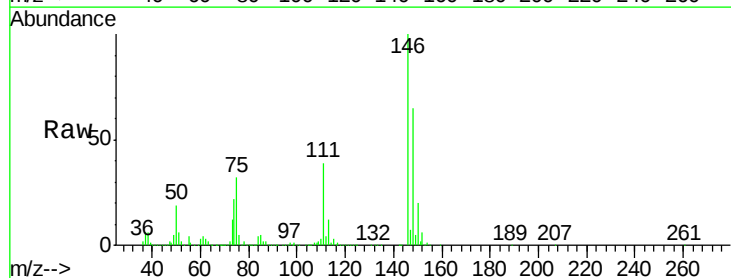
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

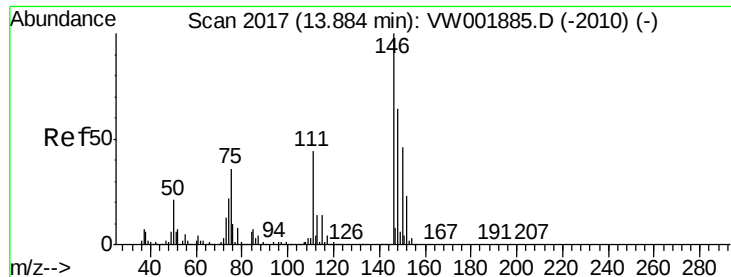
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	28.8	53.4
148	63.2	44.4	82.4



#64
 1,4-Dichlorobenzene
 Concen: 24.66 ug/L
 RT: 13.60 min Scan# 1970
 Delta R.T. 0.01 min
 Lab File: VW001889.D
 Acq: 06 Apr 2018 18:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	27.6	51.2
148	64.5	44.3	82.3

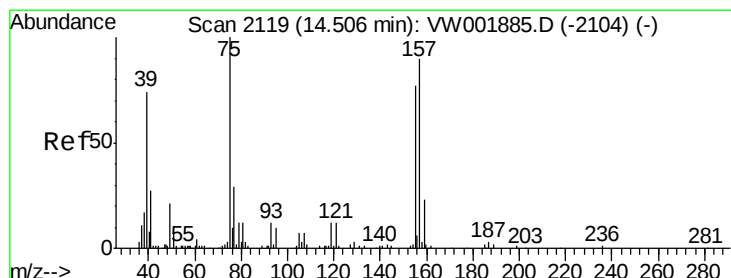
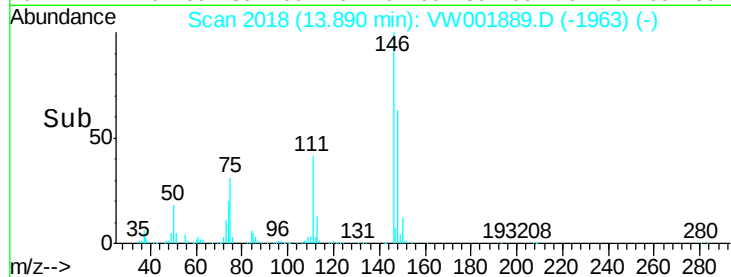
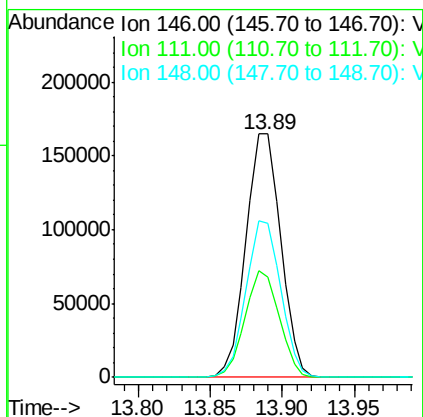
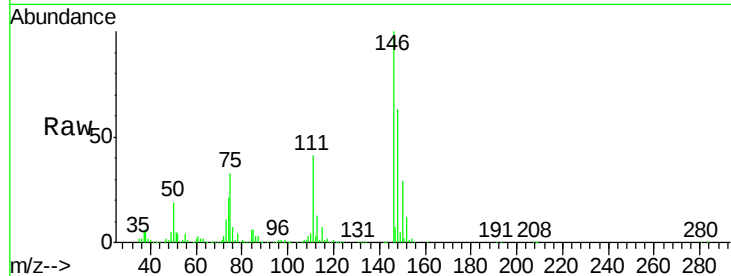




#65
 1,2-Dichlorobenzene
 Concen: 25.19 ug/L
 RT: 13.89 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: VW001889.D
 Acq: 06 Apr 2018 18:53

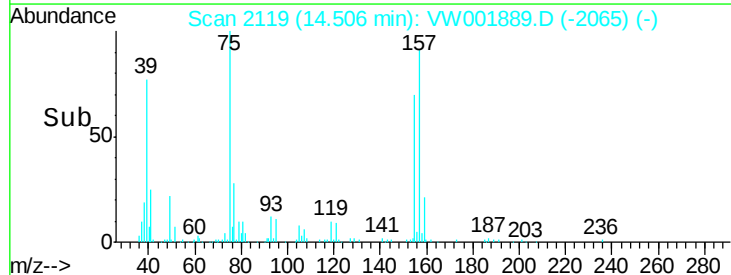
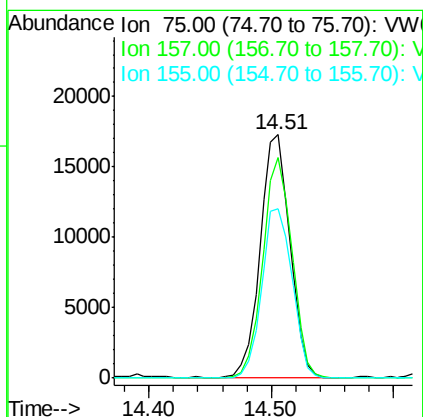
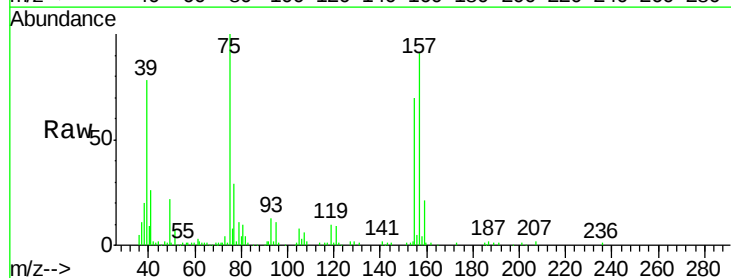
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

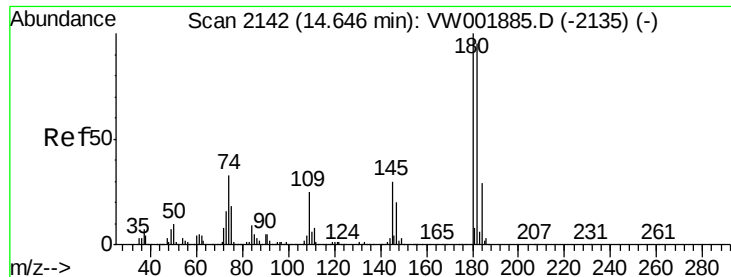
Tgt Ion:146 Resp: 276458
 Ion Ratio Lower Upper
 146 100
 111 41.4 34.4 51.6
 148 63.2 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.47 ug/L
 RT: 14.51 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VW001889.D
 Acq: 06 Apr 2018 18:53

Tgt Ion: 75 Resp: 29528
 Ion Ratio Lower Upper
 75 100
 157 90.8 69.5 104.3
 155 69.5 57.4 86.0





#67

1,3,5-Trichlorobenzene

Concen: 24.57 ug/L

RT: 14.65 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

Tgt Ion:180 Resp: 212122

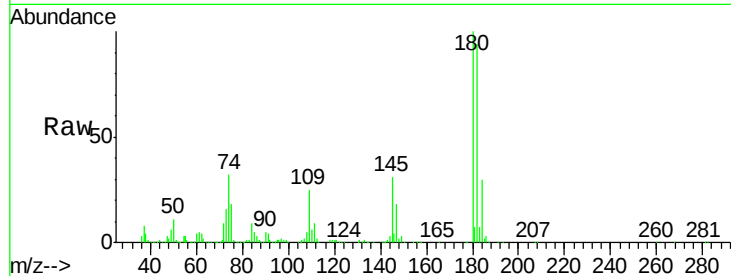
Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

184 30.2 24.1 36.1

145 29.8 23.8 35.6

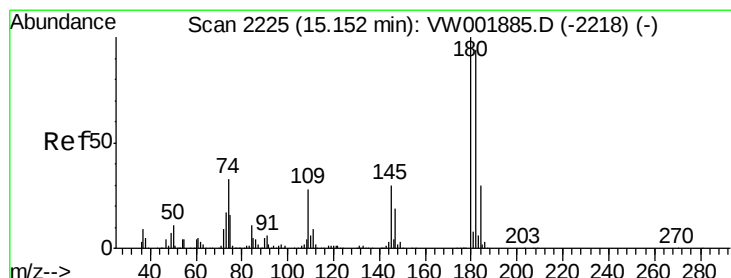
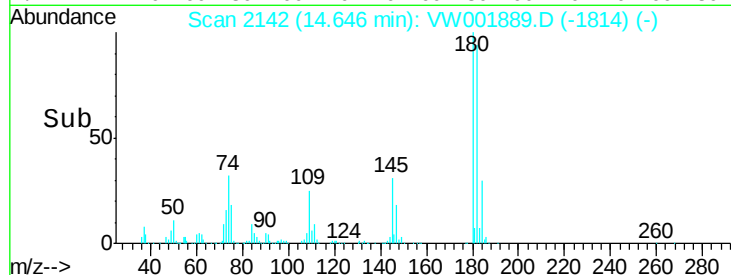
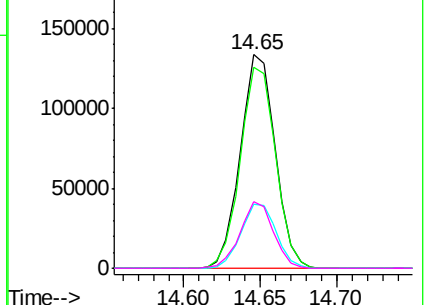


Abundance Ion 180.00 (179.70 to 180.70): V

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: 24.50 ug/L

RT: 15.16 min Scan# 2226

Delta R.T. 0.01 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

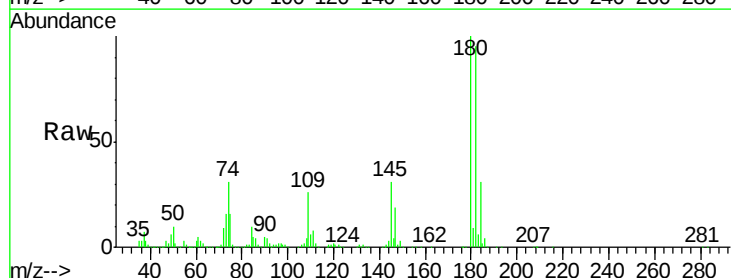
Tgt Ion:180 Resp: 167846

Ion Ratio Lower Upper

180 100

182 95.1 77.1 115.7

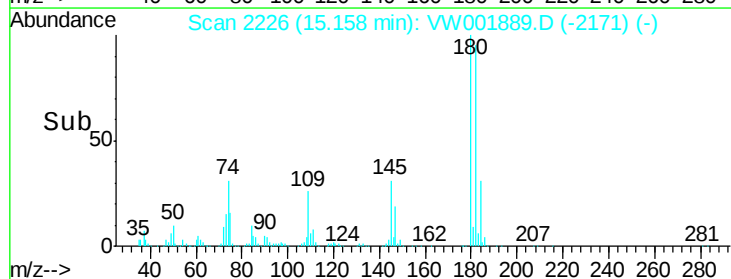
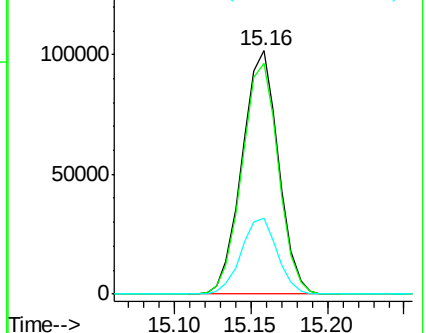
145 31.0 24.6 36.8

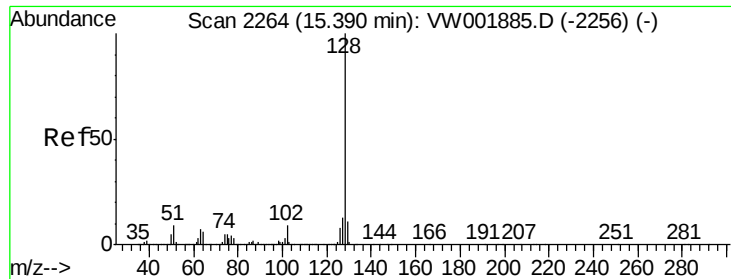


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.26 ug/L

RT: 15.39 min Scan# 2264

Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

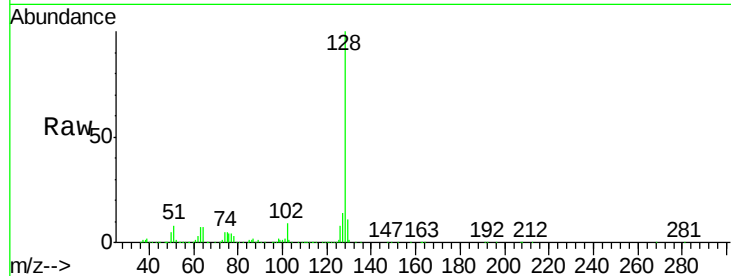
Tgt Ion:128 Resp: 350576

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

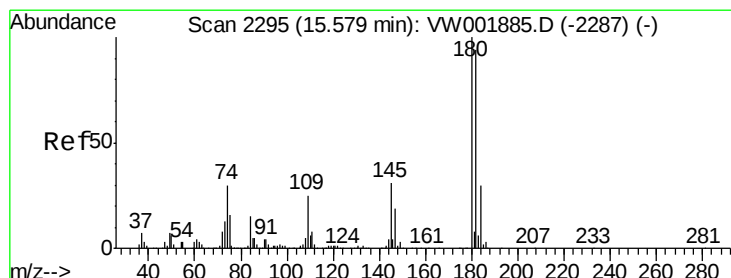
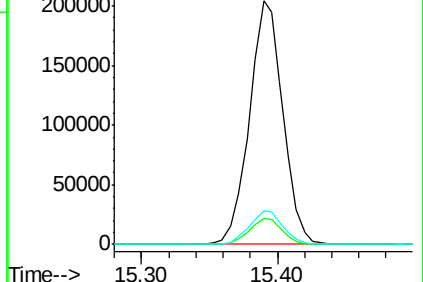
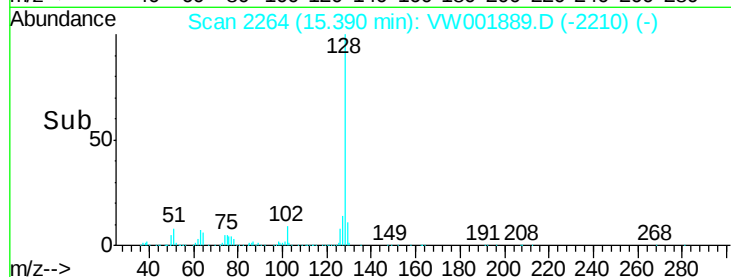
127 13.9 11.0 16.4



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: 25.21 ug/L

RT: 15.58 min Scan# 2295

Delta R.T. -0.00 min

Lab File: VW001889.D

Acq: 06 Apr 2018 18:53

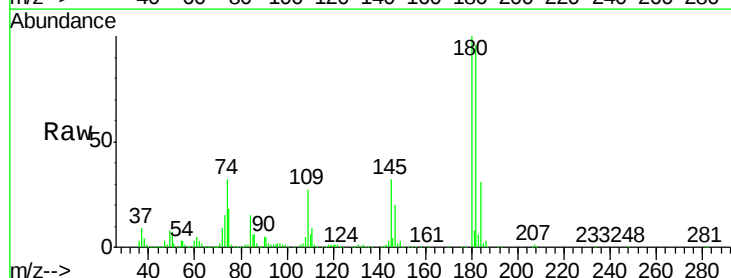
Tgt Ion:180 Resp: 164838

Ion Ratio Lower Upper

180 100

182 95.9 75.8 113.8

145 32.7 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

