

Data File : VW004888.D
Acq On : 22 Aug 2018 16:53
Operator : SY/AP
Sample : VSTD05084
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

Quant Time: Aug 22 17:17:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 22 17:00:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	670013	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	665516	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	345821	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	576487	69.17	ug/L	0.00
7) Chloroethane-d5	2.89	69	427286	60.95	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	767826	45.37	ug/L	0.00
20) 2-Butanone-d5	7.09	46	281975	76.74	ug/L	0.00
24) Chloroform-d	7.66	84	689452	38.01	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	372417	36.83	ug/L	0.00
29) Benzene-d6	8.28	84	1806964	51.04	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	526711	45.52	ug/L	0.00
37) Toluene-d8	10.33	98	1911463	61.24	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	235540	49.50	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	312018	110.77	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	529635	42.21	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	689482	53.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	600719	86.234 ug/L	99
3) Chloromethane	2.21	50	702366	76.334 ug/L	98
5) Vinyl chloride	2.36	62	692132	57.644 ug/L	99
6) Bromomethane	2.78	94	374683	53.956 ug/L	98
8) Chloroethane	2.92	64	385620	53.534 ug/L	94
9) Trichlorofluoromethane	3.26	101	707385	129.162 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	410676	43.187 ug/L	99
12) 1,1-Dichloroethene	4.04	96	386853	41.641 ug/L	92
13) Acetone	4.15	43	182018	57.175 ug/L	98
14) Carbon disulfide	4.39	76	1613101	56.607 ug/L	100
15) Methyl Acetate	4.68	43	236232	36.407 ug/L	98
16) Methylene chloride	4.93	84	531075	39.906 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	886135	70.466 ug/L	100
18) trans-1,2-Dichloroethene	5.44	96	395319	41.609 ug/L	98
19) 1,1-Dichloroethane	6.23	63	691472	38.354 ug/L	98
21) 2-Butanone	7.18	43	312982	71.826 ug/L	100
22) cis-1,2-Dichloroethene	7.18	96	435168	41.965 ug/L	98
23) Bromochloromethane	7.52	128	223096	44.950 ug/L	98
25) Chloroform	7.68	83	694452	37.737 ug/L	99
27) 1,2-Dichloroethane	8.41	62	465638	37.665 ug/L	99
30) Cyclohexane	7.96	56	834107	52.996 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	659967	46.675 ug/L	99
32) Carbon tetrachloride	8.07	117	601971	44.175 ug/L	97
34) Benzene	8.33	78	2041784	49.760 ug/L	100
35) Trichloroethene	9.10	95	505650	48.992 ug/L	99
36) Methylcyclohexane	9.34	83	980556	54.121 ug/L	99
40) 1,2-Dichloropropane	9.37	63	496555	45.692 ug/L	100
41) Bromodichloromethane	9.65	83	529629	40.572 ug/L	96
42) cis-1,3-Dichloropropene	10.08	75	741032	49.847 ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	831875	102.091 ug/L	99

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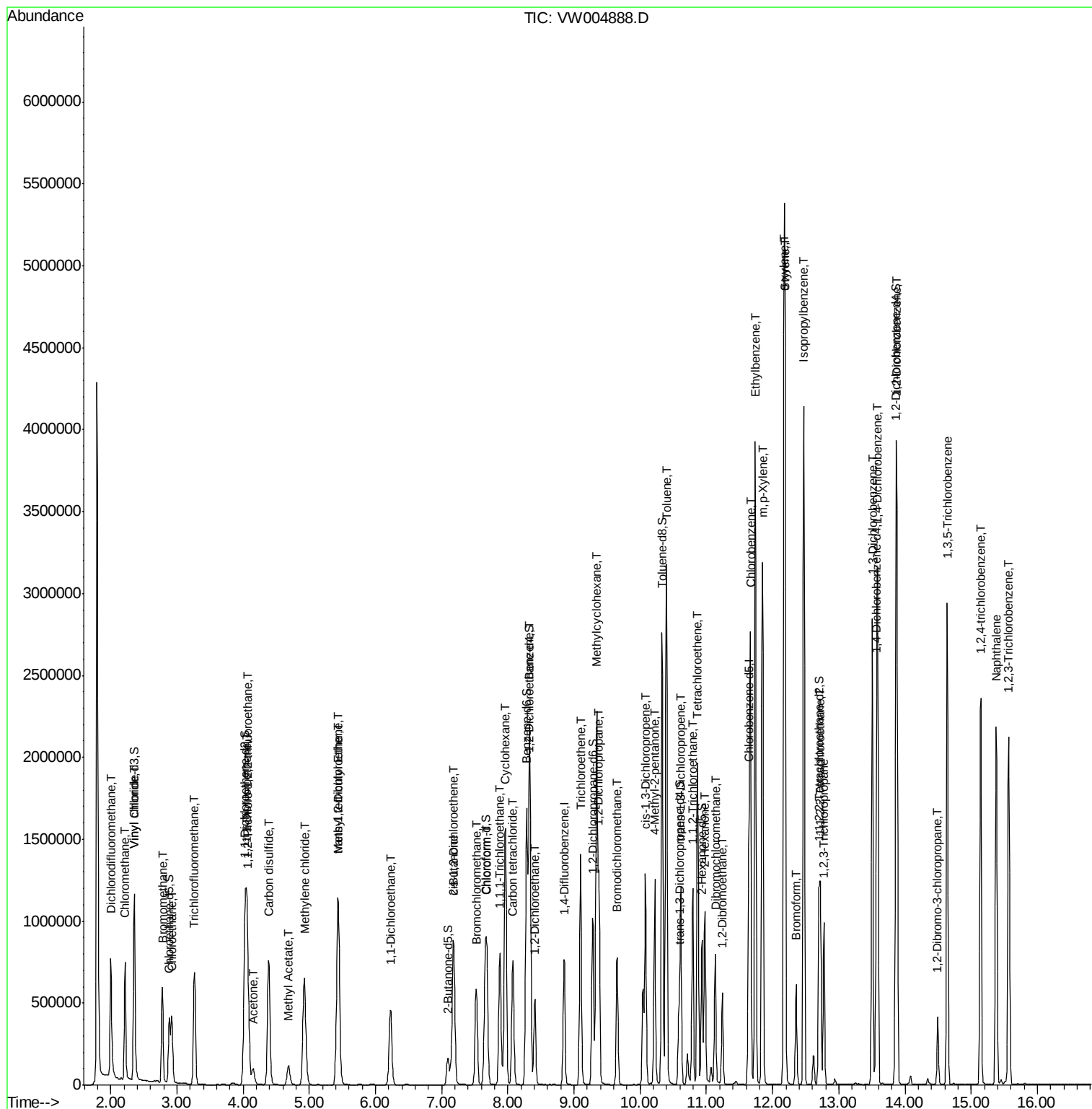
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.40	91	2422946	58.678	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	662890	49.605	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	388213	45.951	ug/L	99
47) Tetrachloroethene	10.87	164	475714	58.254	ug/L	98
49) 2-Hexanone	10.98	43	642792	104.974	ug/L	98
50) Dibromochloromethane	11.13	129	439358	46.880	ug/L	99
51) 1,2-Dibromoethane	11.24	107	388990	48.033	ug/L	97
52) Chlorobenzene	11.66	112	1540017	55.148	ug/L	99
53) Ethylbenzene	11.74	91	2762437	59.535	ug/L	99
54) m,p-Xylene	11.85	106	1064373	61.483	ug/L	100
55) o-xylene	12.17	106	1006971	61.389	ug/L	97
56) Styrene	12.19	104	1752135	61.300	ug/L	100
57) Isopropylbenzene	12.47	105	2721417	61.292	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	556666	45.397	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	423739	46.269	ug/L	98
62) Bromoform	12.35	173	293616	46.716	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	1214709	56.450	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	1230095	53.190	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	1149397	53.310	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	104837	47.335	ug/L	94
67) 1,3,5-Trichlorobenzene	14.64	180	967398	56.712	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	805938	58.400	ug/L	99
69) Naphthalene	15.38	128	1872592	59.500	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	764115	56.856	ug/L	100

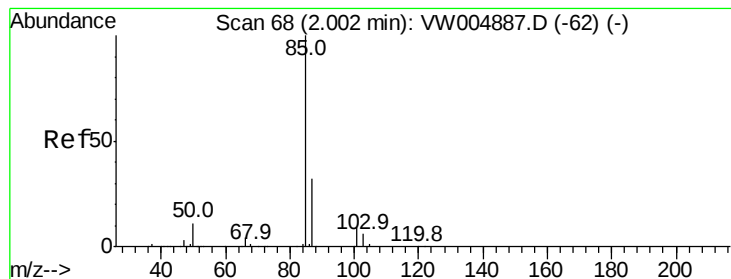
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 86.234 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

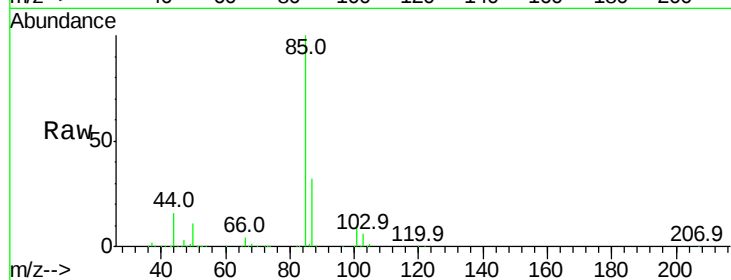
VSTD05084

Tgt Ion: 85 Resp: 600719

Ion Ratio Lower Upper

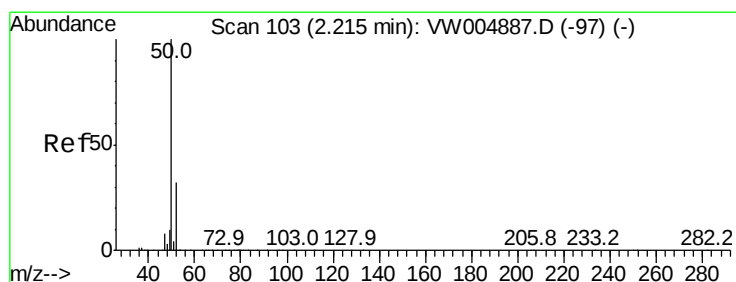
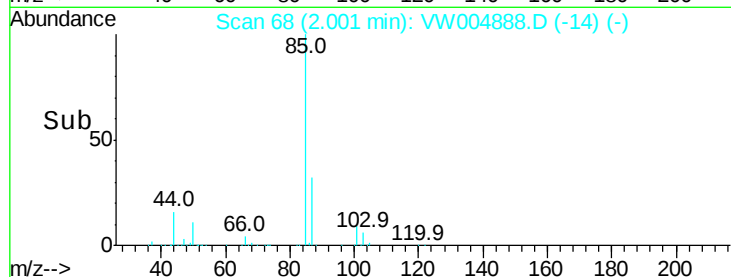
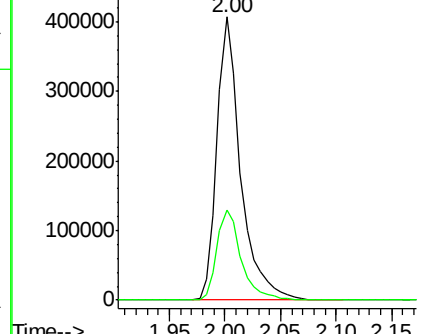
85 100

87 32.9 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 76.334 ug/L

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004888.D

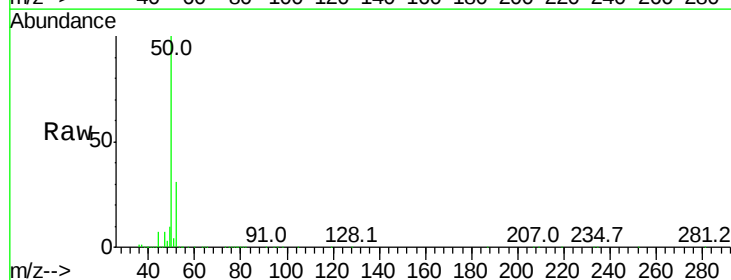
Acq: 22 Aug 2018 16:53

Tgt Ion: 50 Resp: 702366

Ion Ratio Lower Upper

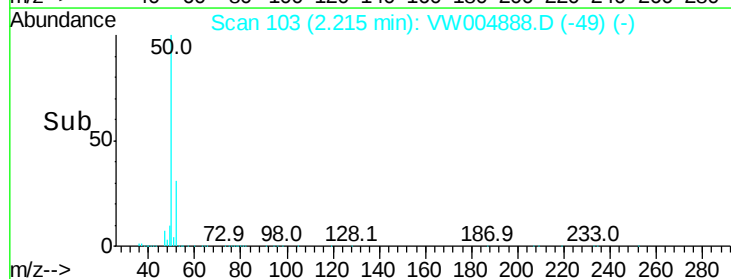
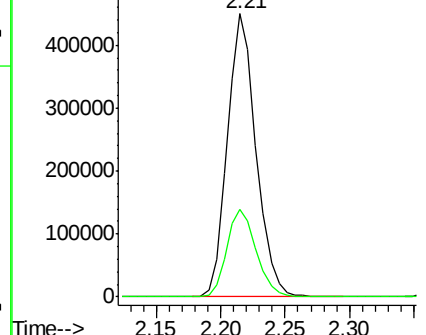
50 100

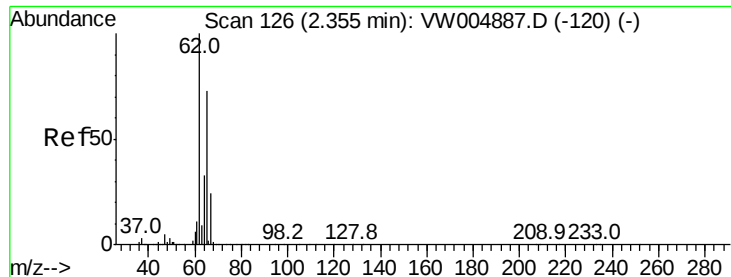
52 30.9 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 57.644 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

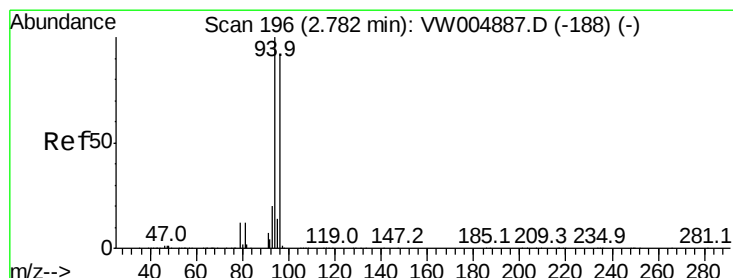
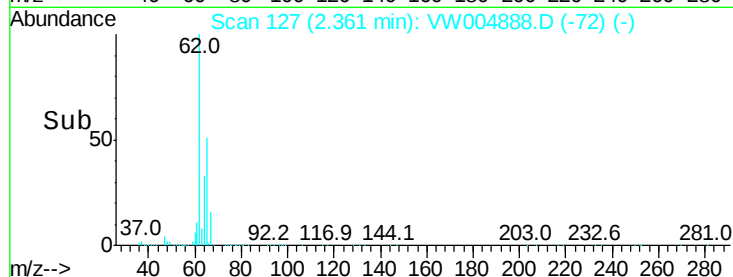
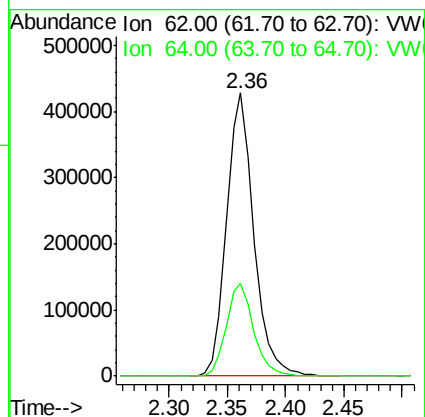
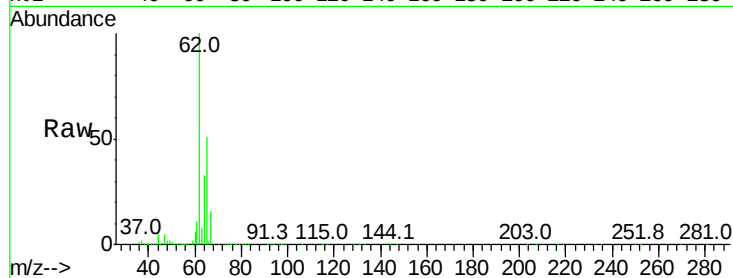
VSTD05084

Tgt Ion: 62 Resp: 692132

Ion Ratio Lower Upper

62 100

64 32.5 23.3 43.3



#6

Bromomethane

Concen: 53.956 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW004888.D

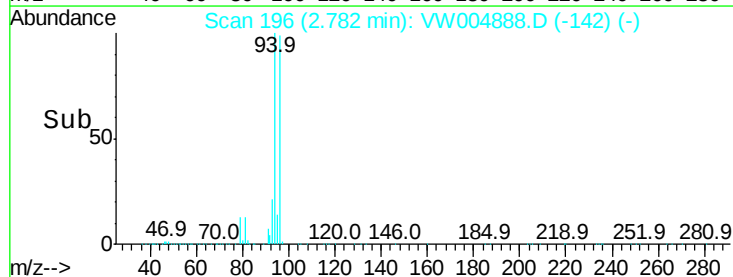
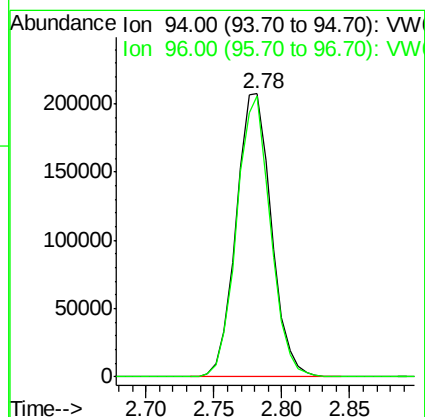
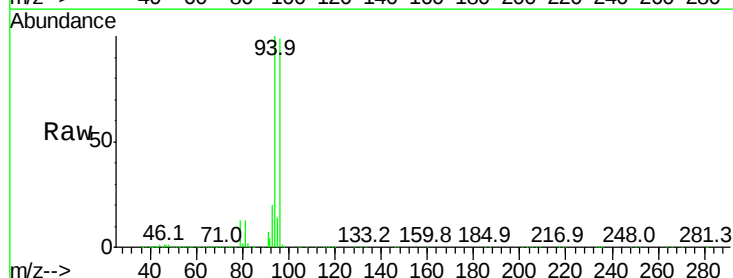
Acq: 22 Aug 2018 16:53

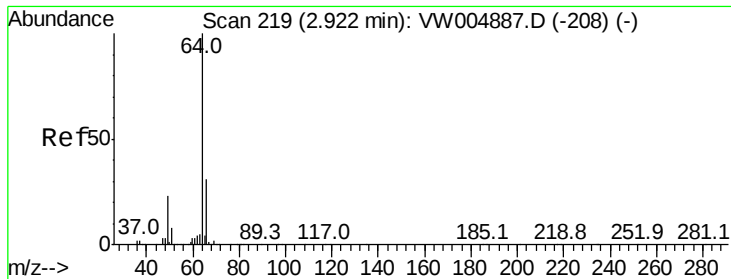
Tgt Ion: 94 Resp: 374683

Ion Ratio Lower Upper

94 100

96 95.0 9.3 177.7





#8

Chloroethane

Concen: 53.534 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

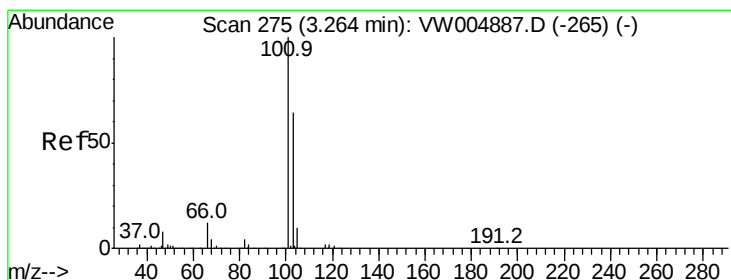
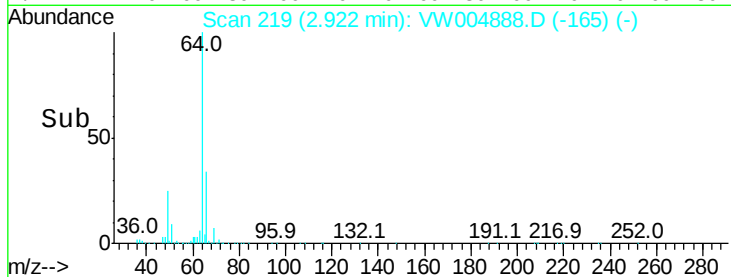
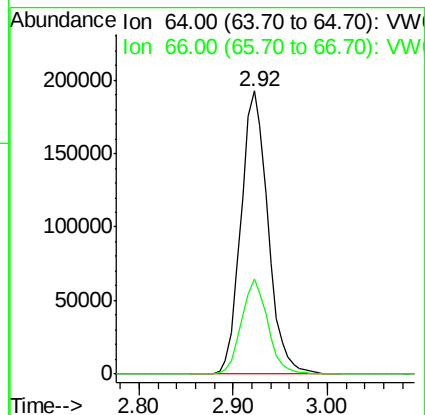
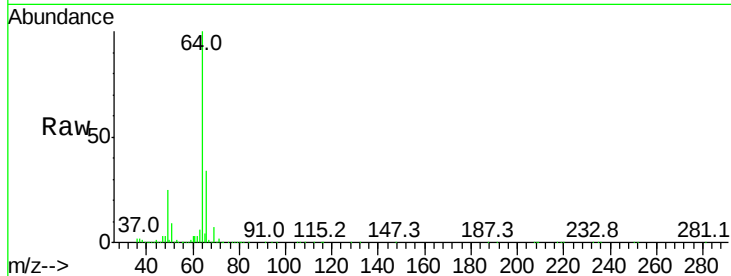
VSTD05084

Tgt Ion: 64 Resp: 385620

Ion Ratio Lower Upper

64 100

66 33.7 21.5 39.9



#9

Trichlorofluoromethane

Concen: 129.162 ug/L

RT: 3.26 min Scan# 275

Delta R.T. -0.00 min

Lab File: VW004888.D

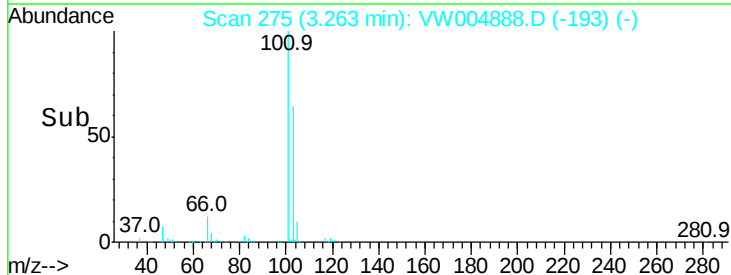
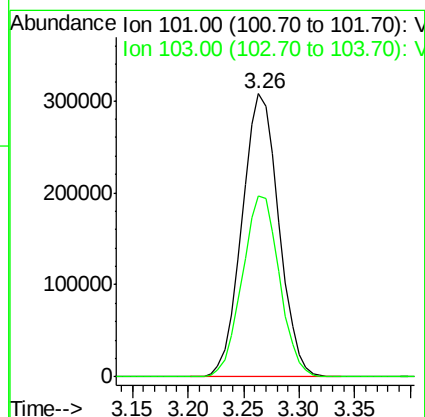
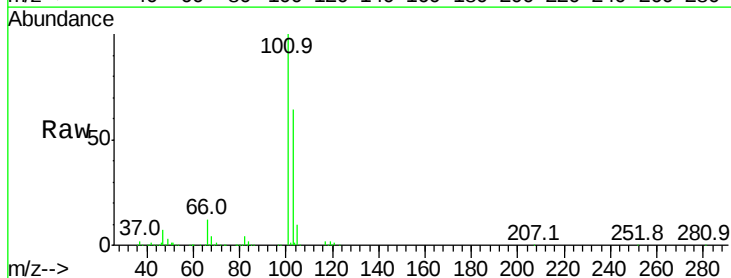
Acq: 22 Aug 2018 16:53

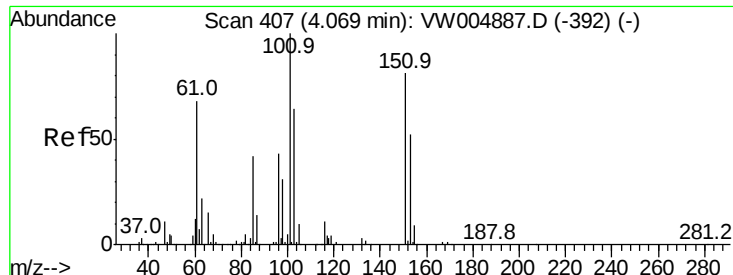
Tgt Ion: 101 Resp: 707385

Ion Ratio Lower Upper

101 100

103 64.8 45.1 83.7





#11

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

Concen: 43.187 ug/L

RT: 4.07 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

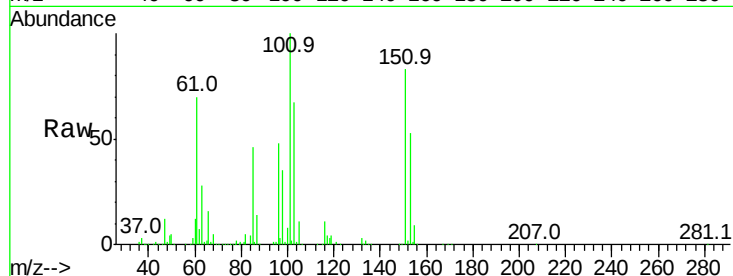
Tgt Ion: 101 Resp: 410676

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.2

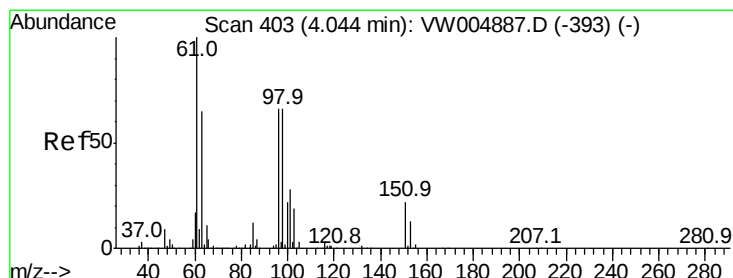
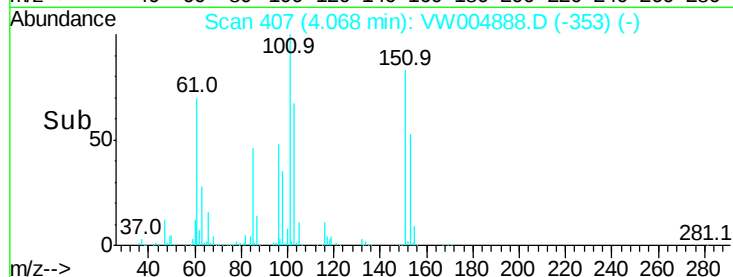
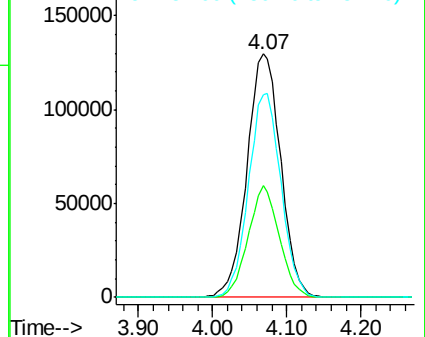
151 80.8 64.1 96.1



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: 41.641 ug/L

RT: 4.04 min Scan# 403

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

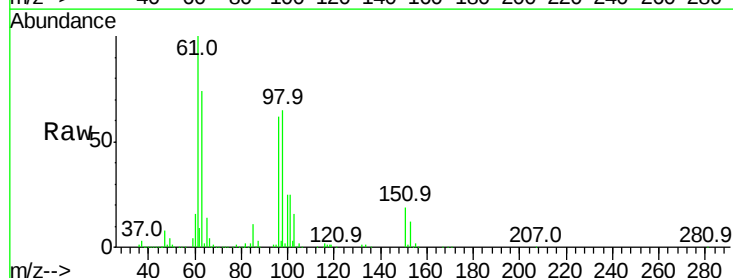
Tgt Ion: 96 Resp: 386853

Ion Ratio Lower Upper

96 100

61 161.5 107.0 198.8

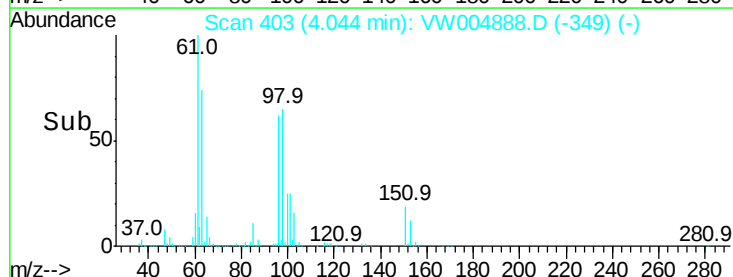
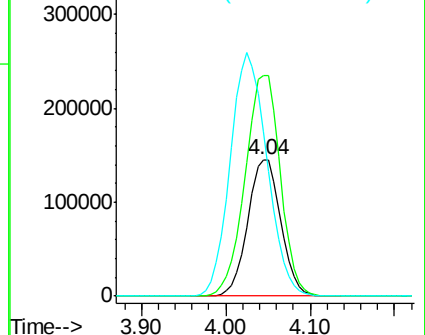
63 119.8 76.9 142.7

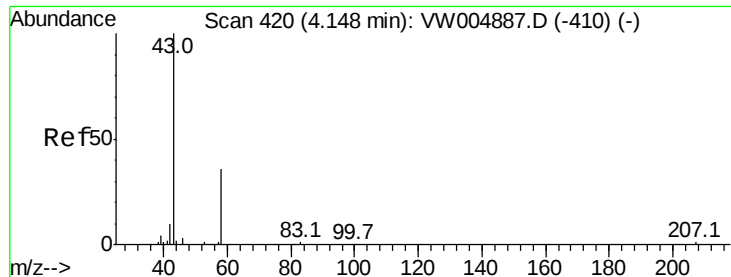


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 57.175 ug/L

RT: 4.15 min Scan# 421

Delta R.T. 0.01 min

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Acq: 22 Aug 2018 16:53

Instrument :

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ClientSampleId :

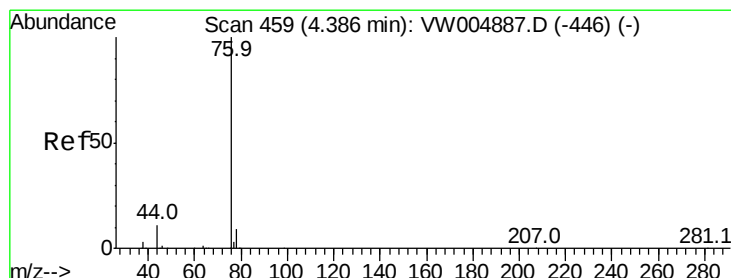
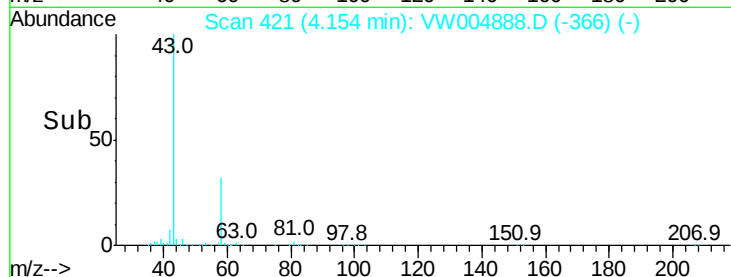
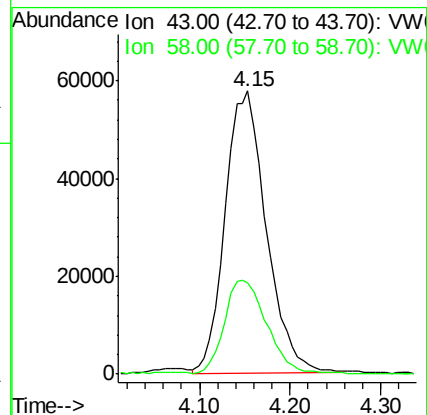
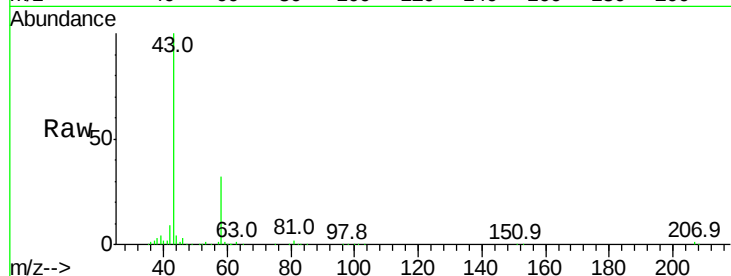
VSTD05084

Tgt Ion: 43 Resp: 182018

Ion Ratio Lower Upper

43 100

58 33.8 0.0 69.4



#14

Carbon disulfide

Concen: 56.607 ug/L

RT: 4.39 min Scan# 459

Delta R.T. -0.00 min

Lab File: VW004888.D

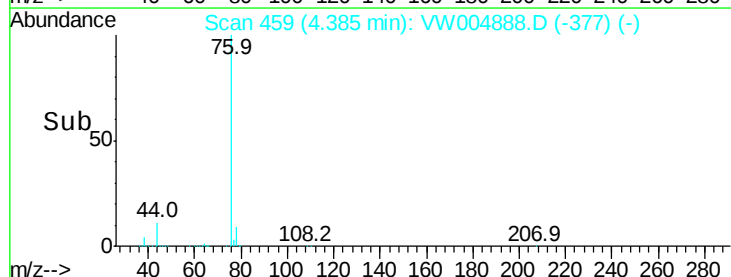
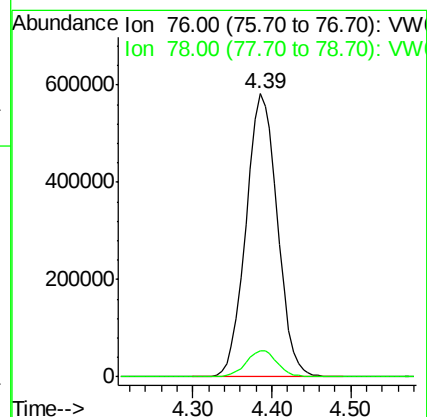
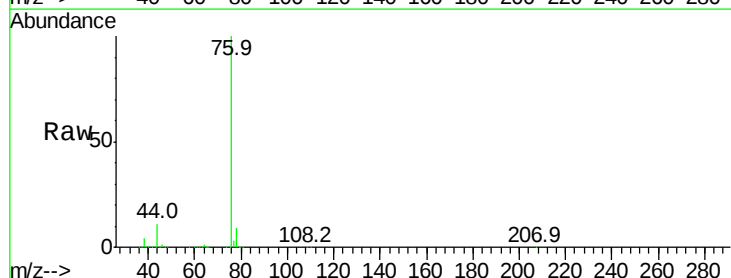
Acq: 22 Aug 2018 16:53

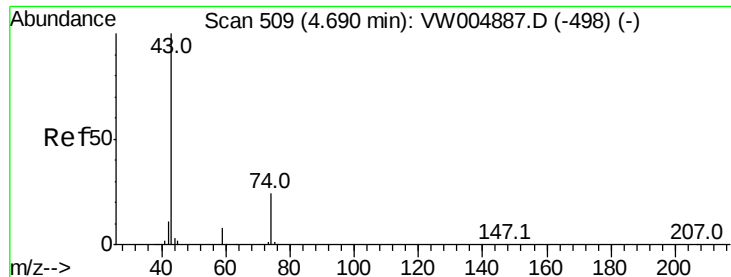
Tgt Ion: 76 Resp: 1613101

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

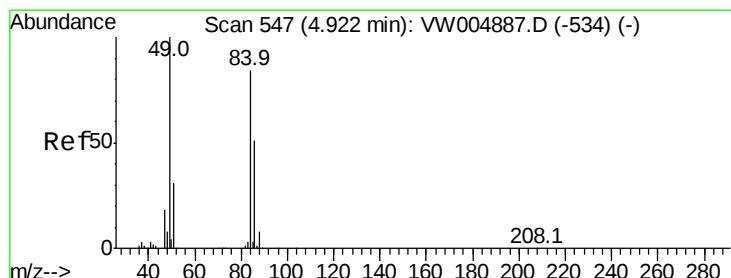
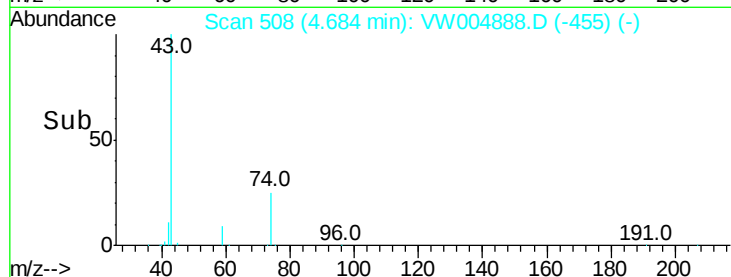
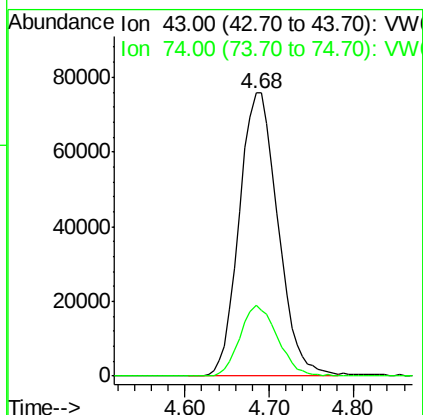
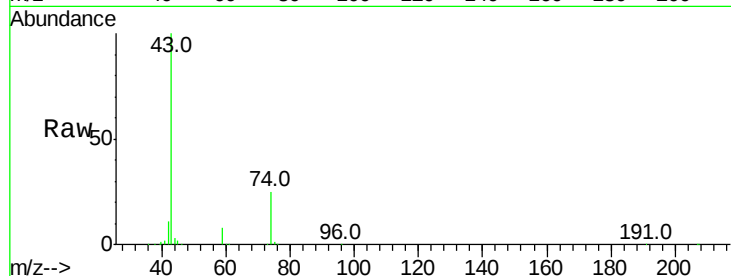




#15
Methyl Acetate
Concen: 36.407 ug/L
RT: 4.68 min Scan# 508
Delta R.T. -0.01 min
Lab File: VW004888.D
Acq: 22 Aug 2018 16:53

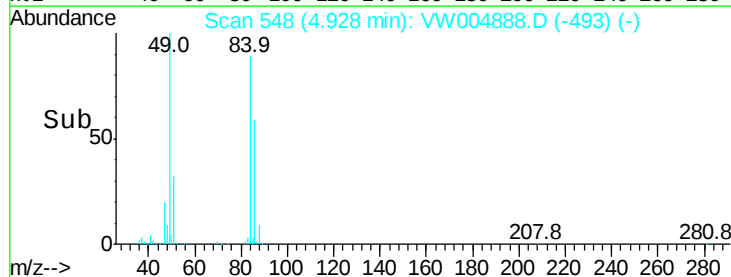
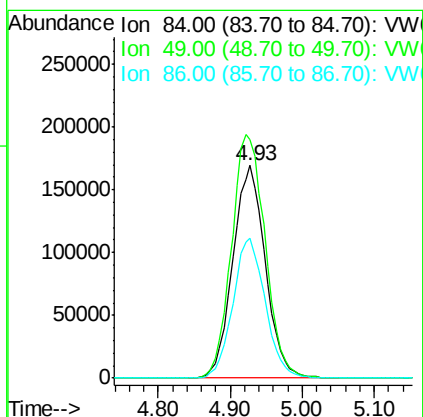
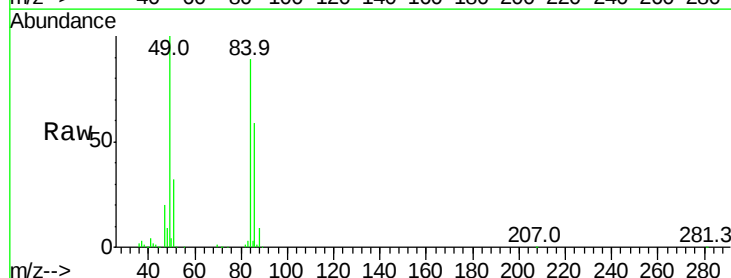
Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

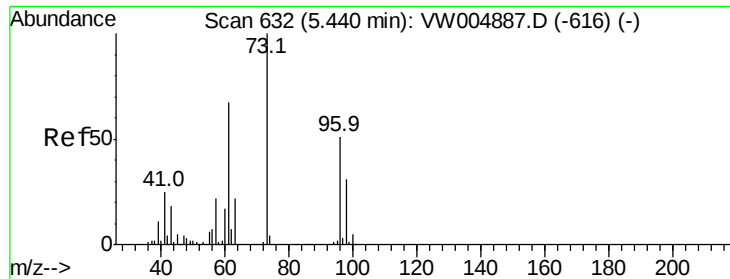
Tgt Ion: 43 Resp: 236232
Ion Ratio Lower Upper
43 100
74 24.2 18.6 27.8



#16
Methylene chloride
Concen: 39.906 ug/L
RT: 4.93 min Scan# 548
Delta R.T. 0.01 min
Lab File: VW004888.D
Acq: 22 Aug 2018 16:53

Tgt Ion: 84 Resp: 531075
Ion Ratio Lower Upper
84 100
49 112.2 83.8 155.6
86 65.9 42.6 79.0

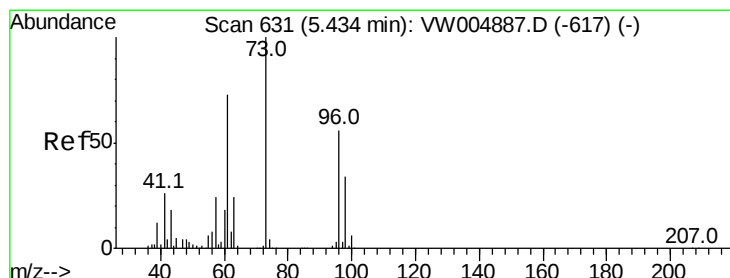
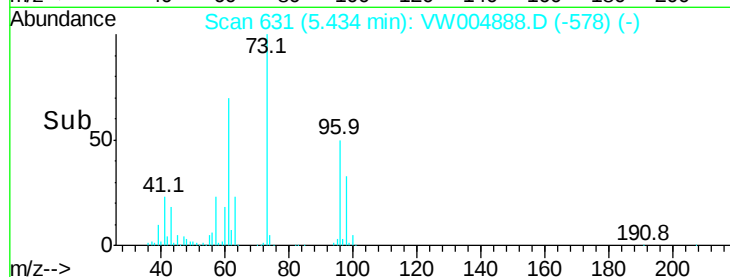
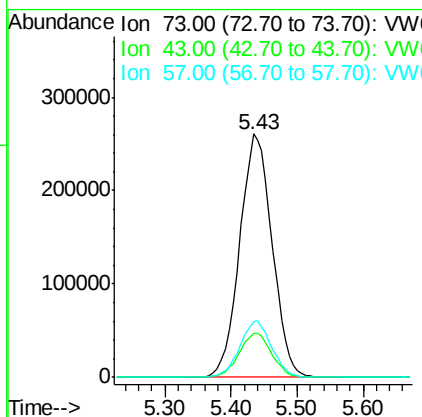
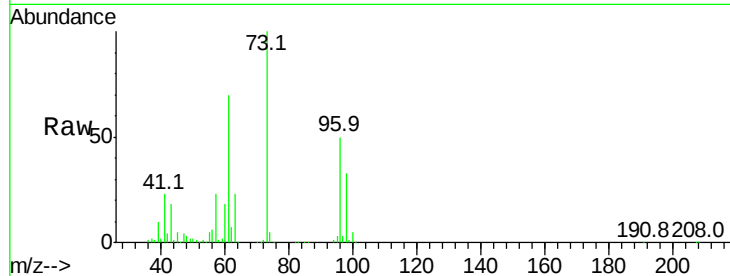




#17
Methyl tert-butyl Ether
Concen: 70.466 ug/L
RT: 5.43 min Scan# 631
Delta R.T. -0.01 min
Lab File: VW004888.D
Acq: 22 Aug 2018 16:53

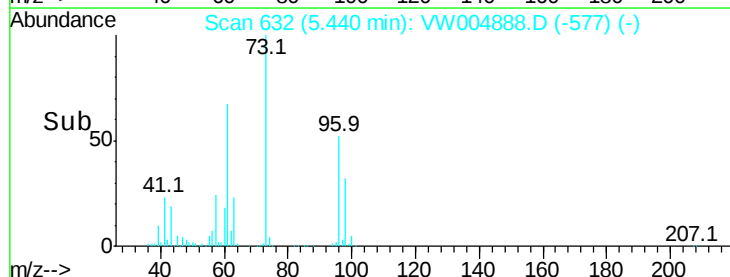
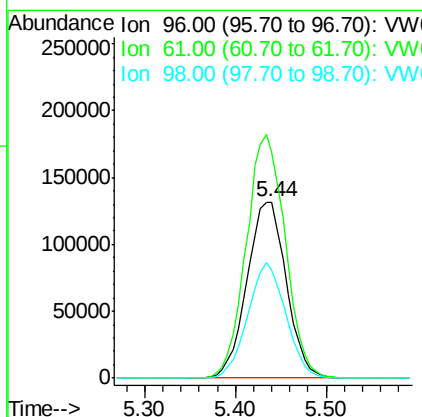
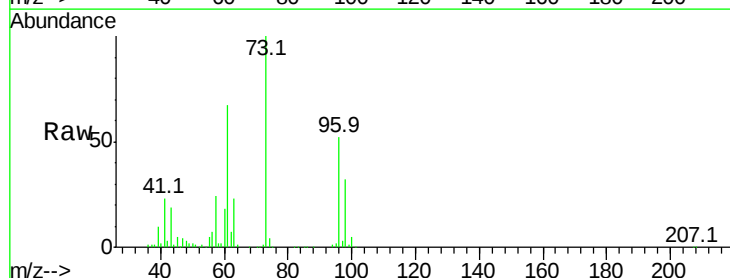
Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

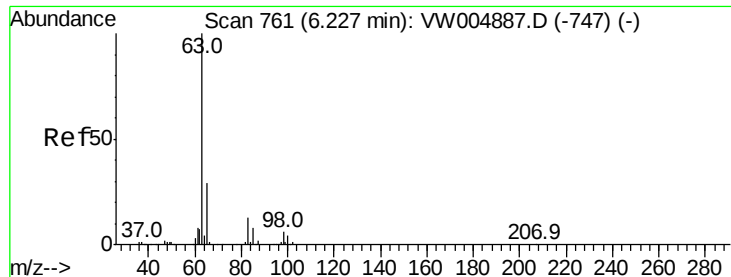
Tgt Ion: 73 Resp: 886135
Ion Ratio Lower Upper
73 100
43 18.2 14.6 22.0
57 22.7 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 41.609 ug/L
RT: 5.44 min Scan# 632
Delta R.T. 0.01 min
Lab File: VW004888.D
Acq: 22 Aug 2018 16:53

Tgt Ion: 96 Resp: 395319
Ion Ratio Lower Upper
96 100
61 128.4 92.5 171.9
98 61.1 42.8 79.4





#19

1,1-Dichloroethane

Concen: 38.354 ug/L

RT: 6.23 min Scan# 761

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

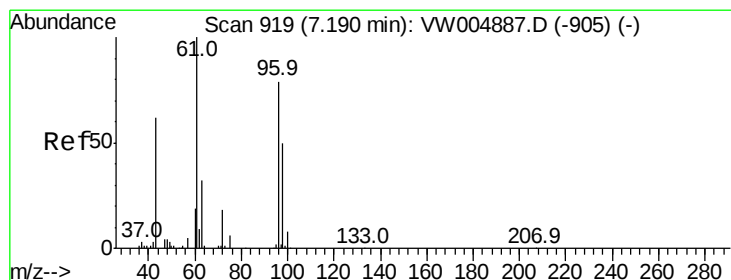
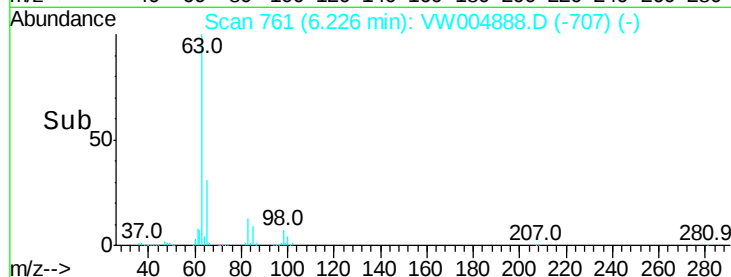
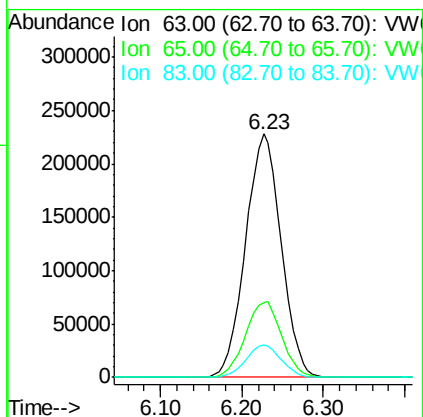
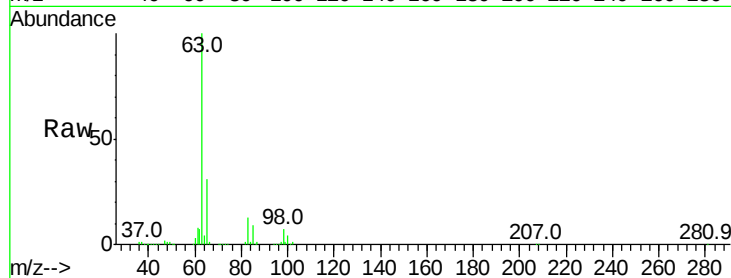
Tgt Ion: 63 Resp: 691472

Ion Ratio Lower Upper

63 100

65 30.8 20.5 38.1

83 13.1 8.8 16.4



#21

2-Butanone

Concen: 71.826 ug/L

RT: 7.18 min Scan# 918

Delta R.T. -0.01 min

Lab File: VW004888.D

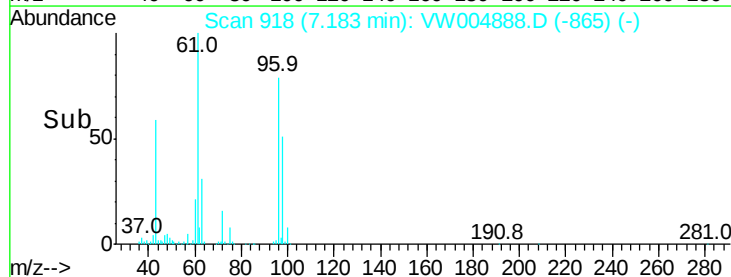
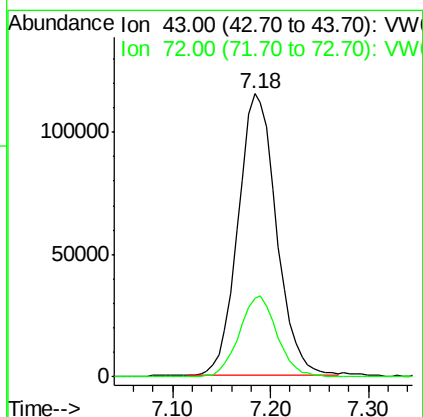
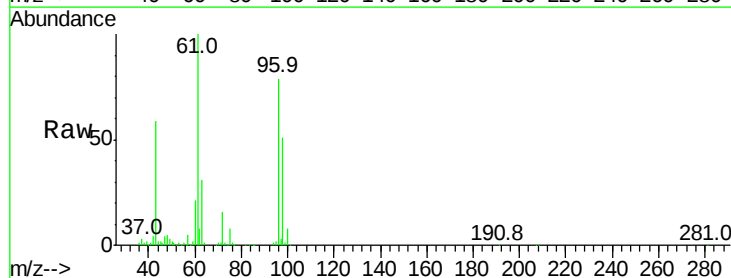
Acq: 22 Aug 2018 16:53

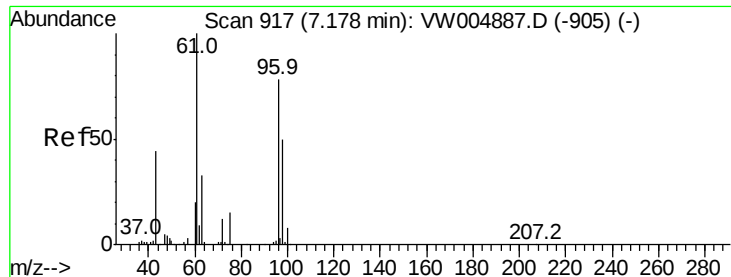
Tgt Ion: 43 Resp: 312982

Ion Ratio Lower Upper

43 100

72 28.5 14.2 42.8



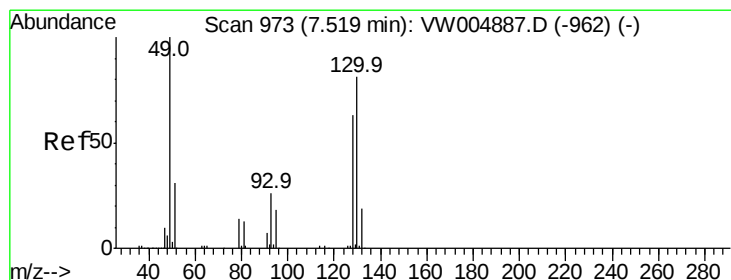
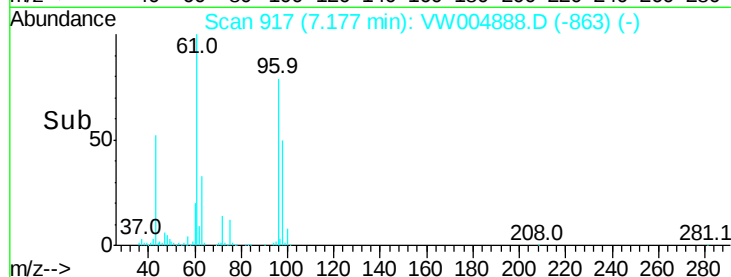
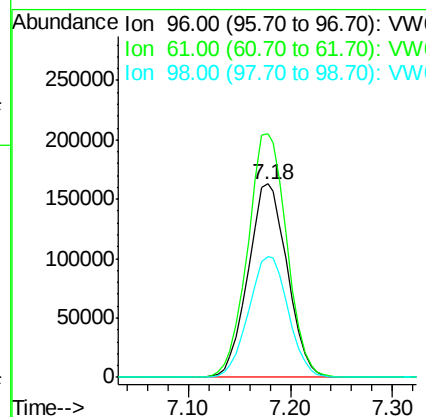
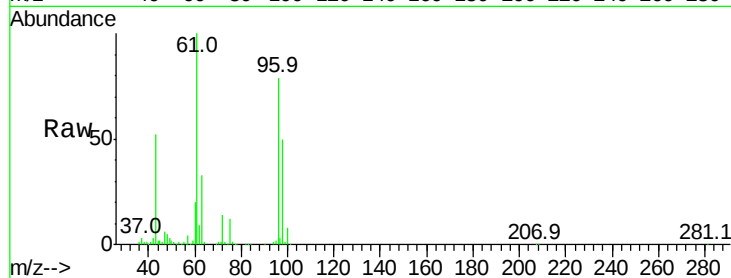


#22

cis-1,2-Dichloroethene
Concen: 41.965 ug/L
RT: 7.18 min Scan# 917
Delta R.T. -0.00 min
Lab File: VW004888.D
Acq: 22 Aug 2018 16:53

Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

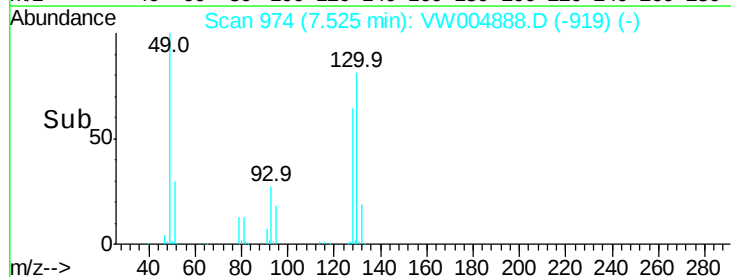
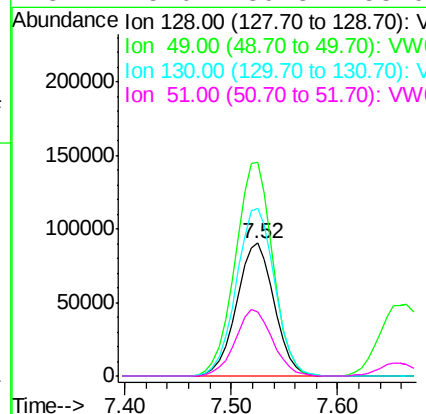
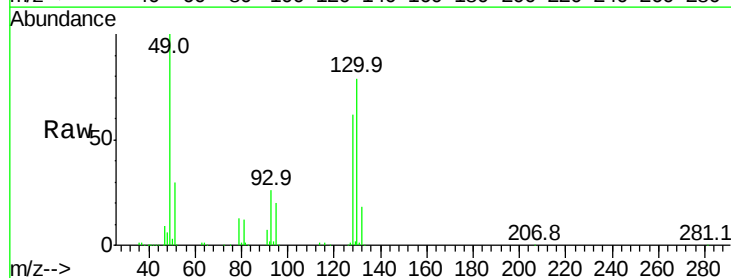
Tgt Ion: 96 Resp: 435168
Ion Ratio Lower Upper
96 100
61 126.1 89.7 166.7
98 62.8 45.0 83.6

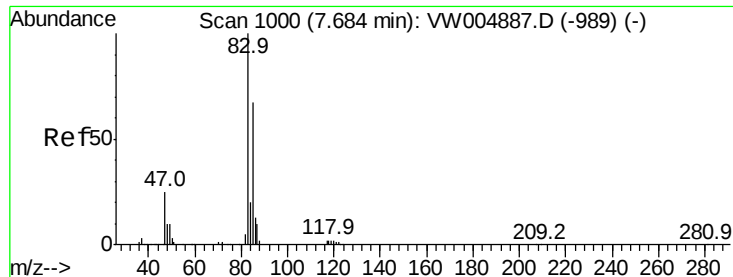


#23

Bromochloromethane
Concen: 44.950 ug/L
RT: 7.52 min Scan# 974
Delta R.T. 0.01 min
Lab File: VW004888.D
Acq: 22 Aug 2018 16:53

Tgt Ion: 128 Resp: 223096
Ion Ratio Lower Upper
128 100
49 160.8 111.3 206.7
130 126.4 90.2 167.6
51 48.0 39.3 58.9





#25

Chloroform

Concen: 37.737 ug/L

RT: 7.68 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

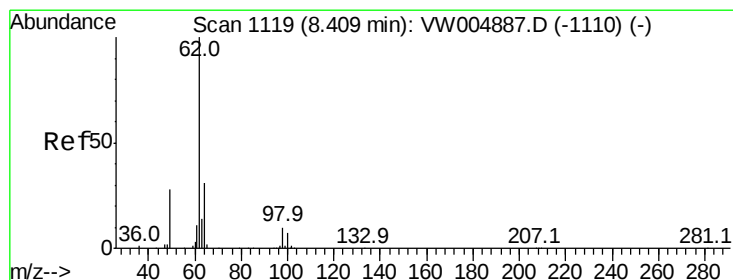
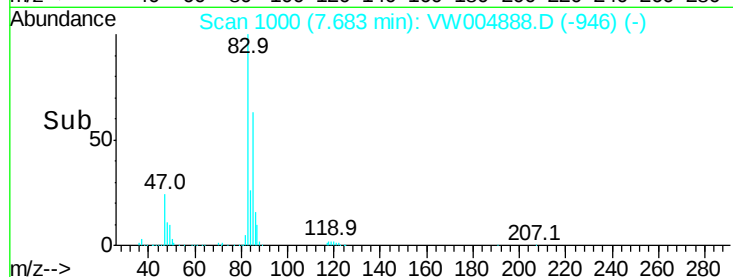
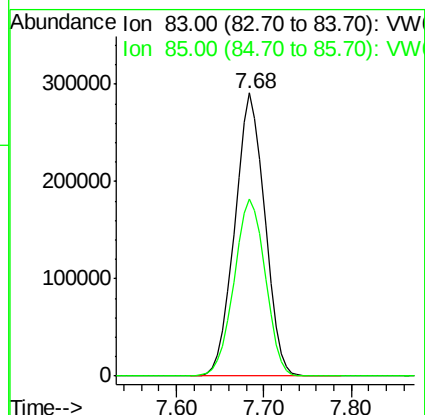
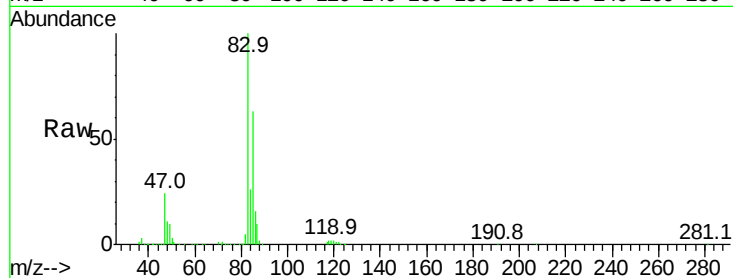
VSTD05084

Tgt Ion: 83 Resp: 694452

Ion Ratio Lower Upper

83 100

85 65.3 46.3 85.9



#27

1,2-Dichloroethane

Concen: 37.665 ug/L

RT: 8.41 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VW004888.D

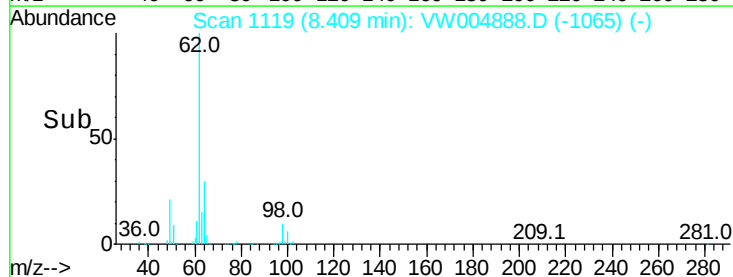
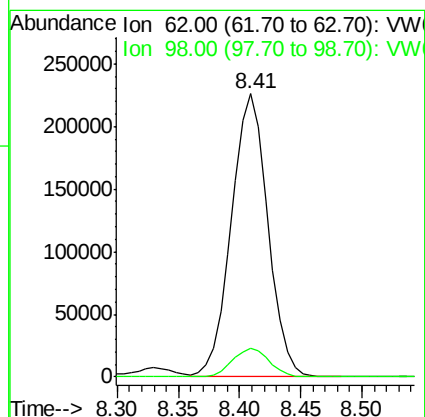
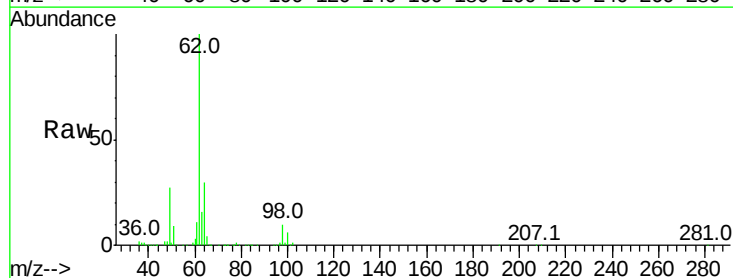
Acq: 22 Aug 2018 16:53

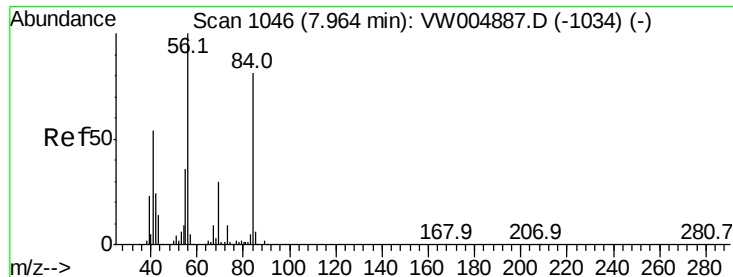
Tgt Ion: 62 Resp: 465638

Ion Ratio Lower Upper

62 100

98 10.3 8.0 12.0

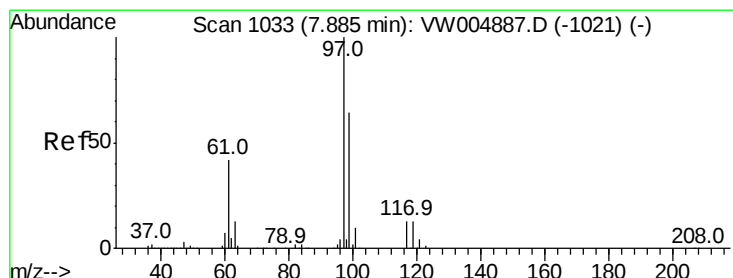
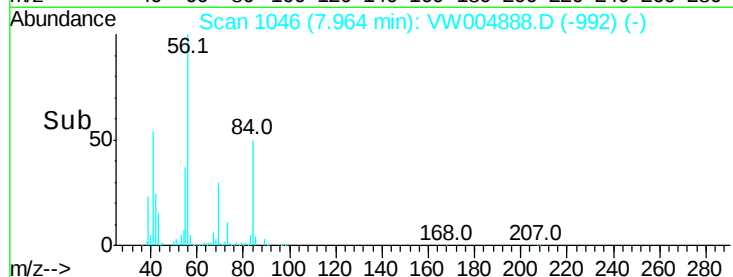
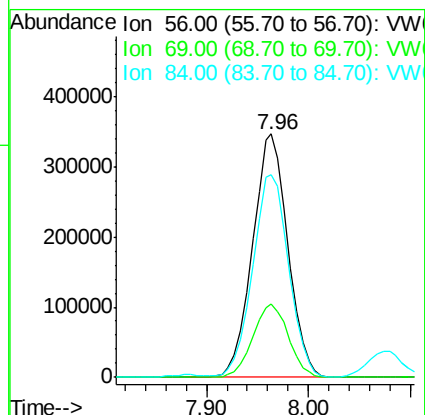
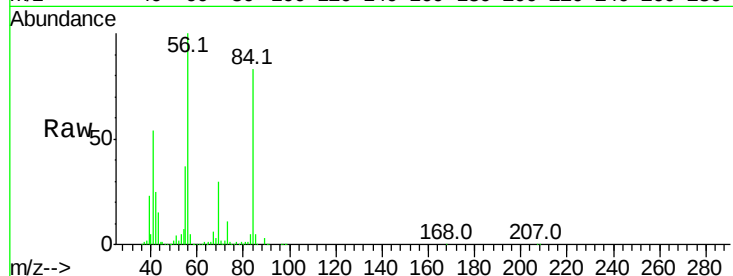




#30
Cyclohexane
Concen: 52.996 ug/L
RT: 7.96 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VW004888.D
Acq: 22 Aug 2018 16:53

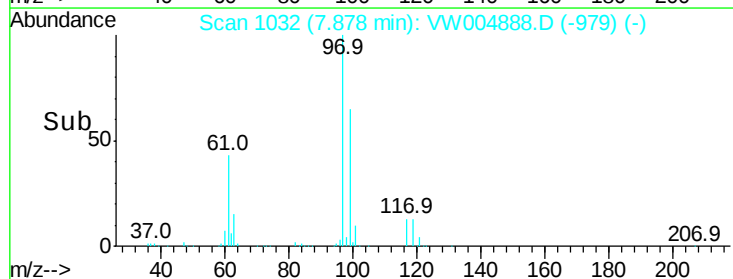
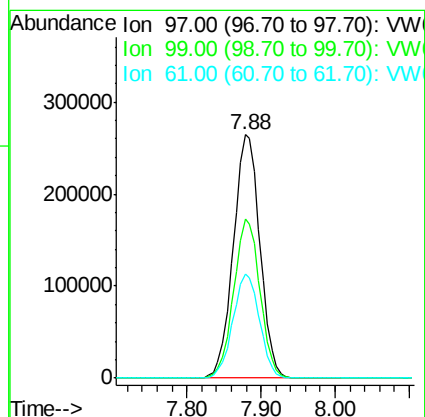
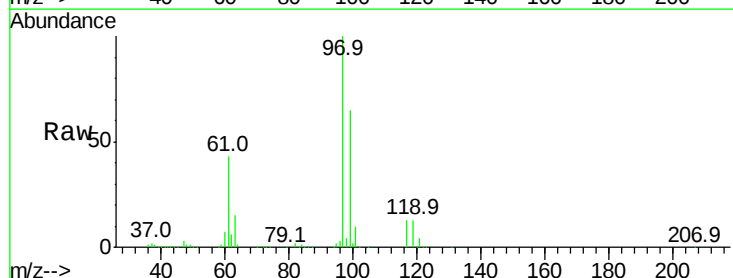
Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

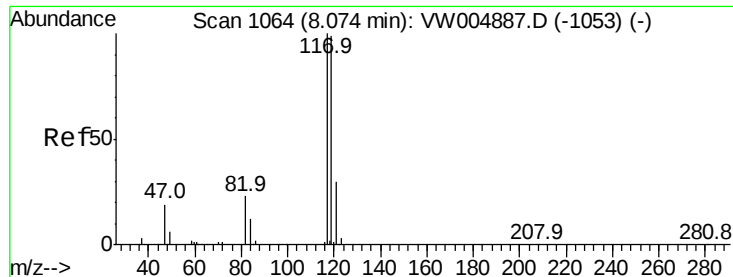
Tgt Ion: 56 Resp: 834107
Ion Ratio Lower Upper
56 100
69 30.2 24.1 36.1
84 85.2 67.7 101.5



#31
1,1,1-Trichloroethane
Concen: 46.675 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VW004888.D
Acq: 22 Aug 2018 16:53

Tgt Ion: 97 Resp: 659967
Ion Ratio Lower Upper
97 100
99 64.6 51.2 76.8
61 43.1 34.9 52.3





#32

Carbon tetrachloride

Concen: 44.175 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

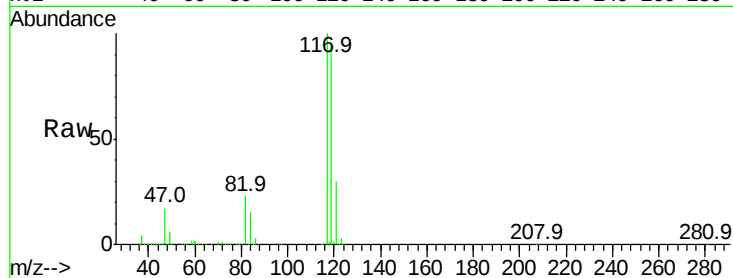
VSTD05084

Tgt Ion:117 Resp: 601971

Ion Ratio Lower Upper

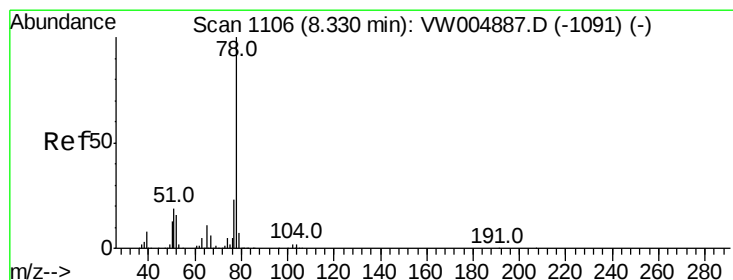
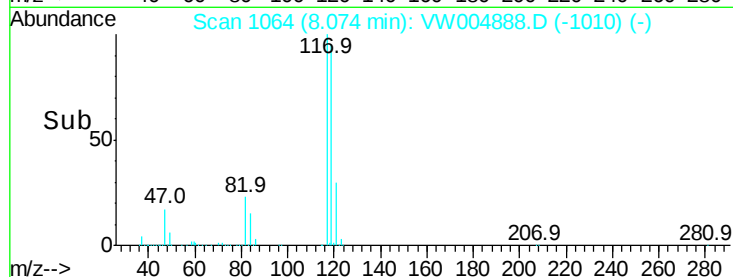
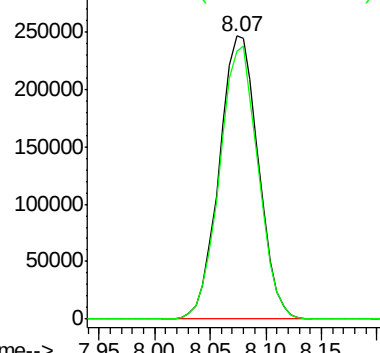
117 100

119 95.0 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 49.760 ug/L

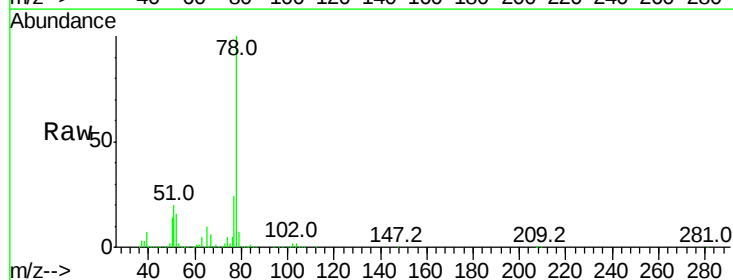
RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

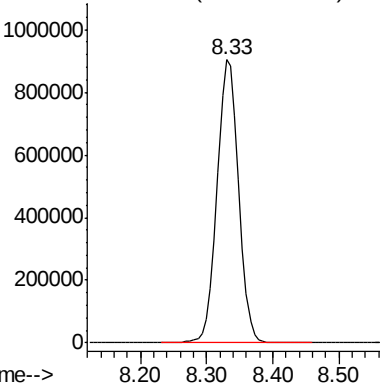
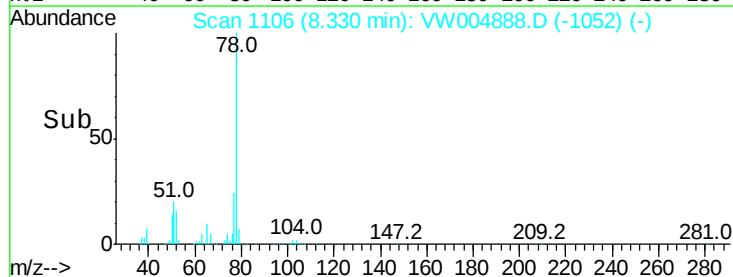
Lab File: VW004888.D

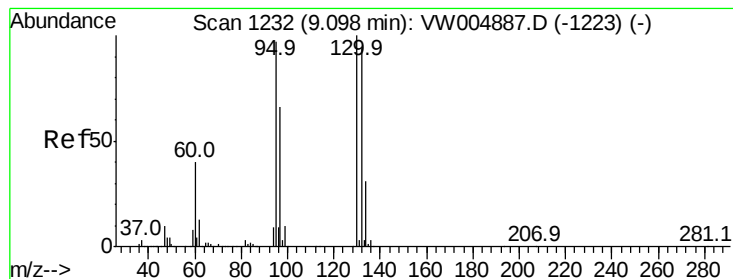
Acq: 22 Aug 2018 16:53

Tgt Ion: 78 Resp: 2041784



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 48.992 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

Instrument :

MSVOA_W

ClientSampled :

VSTD05084

Tgt Ion: 95 Resp: 505650

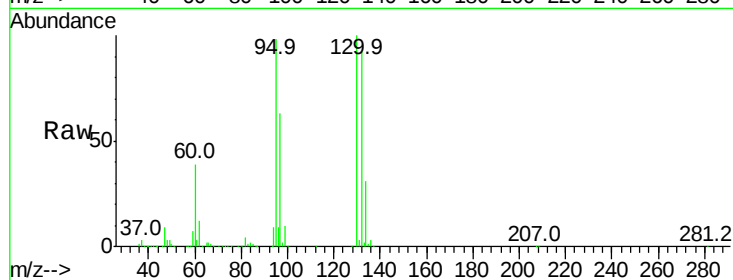
Ion Ratio Lower Upper

95 100

97 64.7 45.9 85.3

132 98.6 69.2 128.4

130 102.6 72.7 135.1

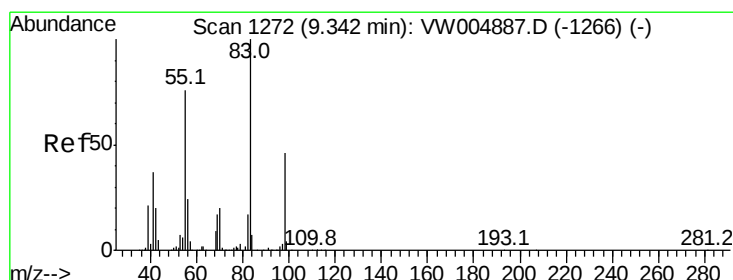
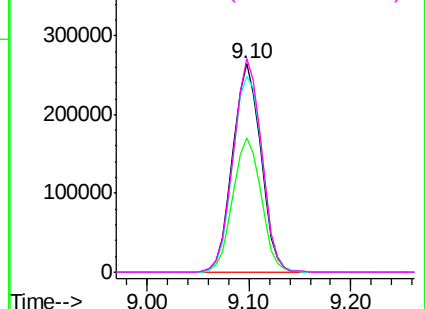
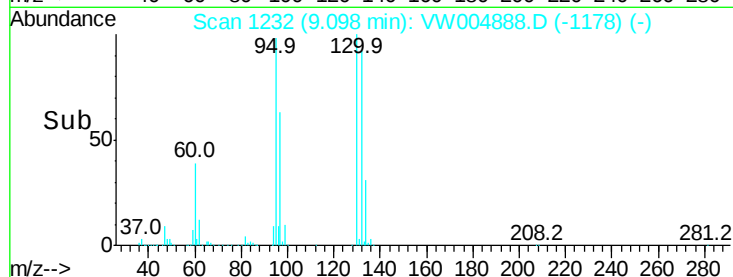


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 54.121 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

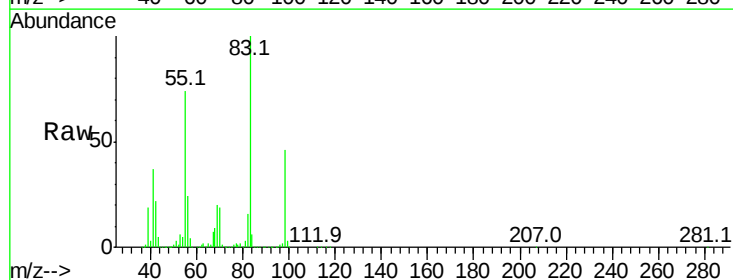
Tgt Ion: 83 Resp: 980556

Ion Ratio Lower Upper

83 100

55 75.5 61.1 91.7

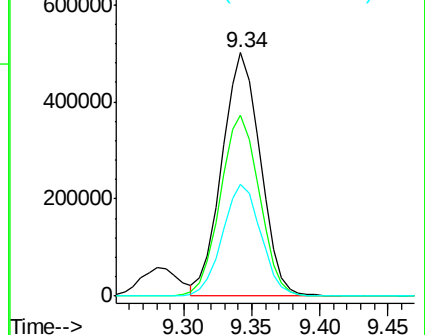
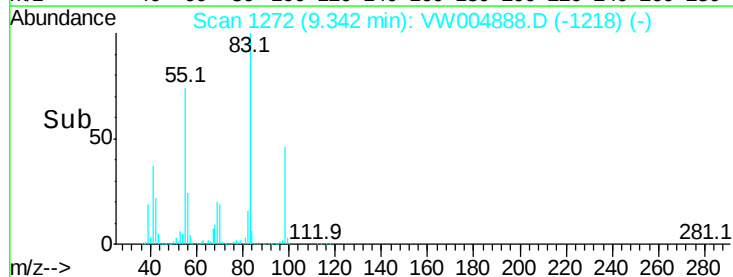
98 46.2 37.0 55.4

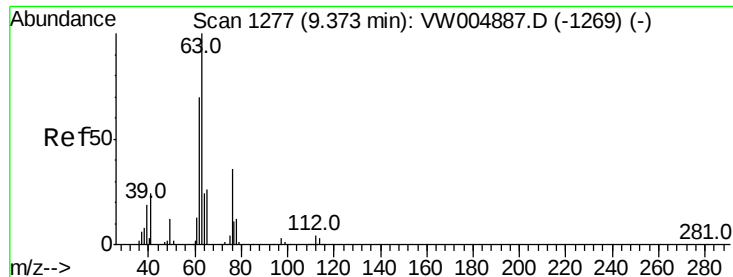


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

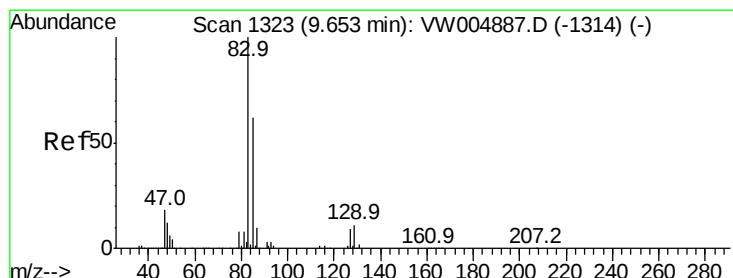
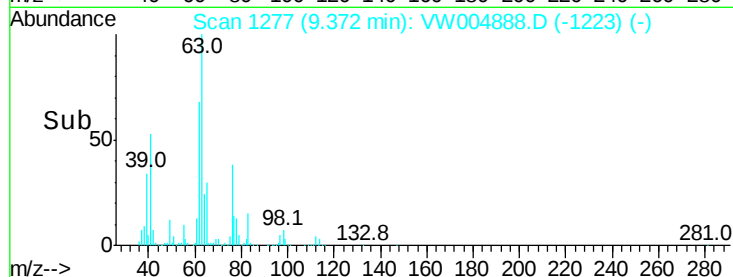
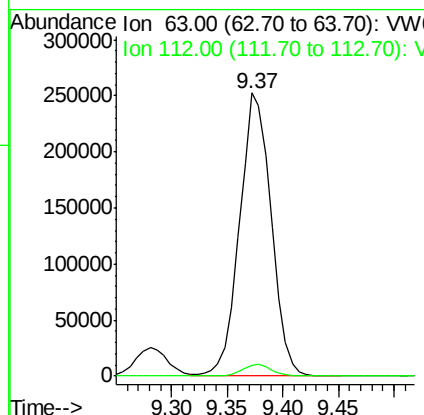
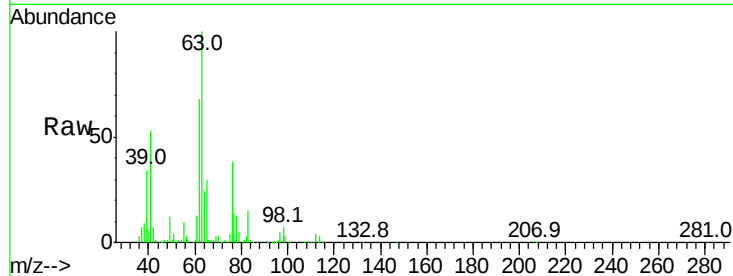




#40
 1,2-Dichloropropane
 Concen: 45.692 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004888.D
 Acq: 22 Aug 2018 16:53

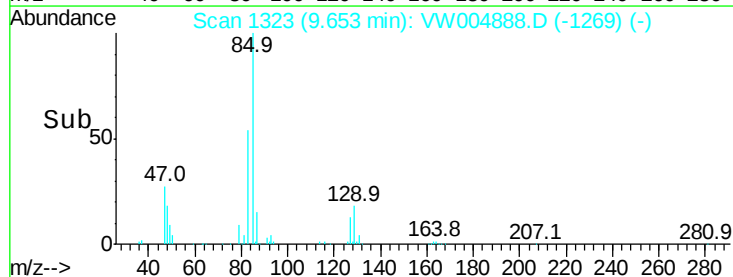
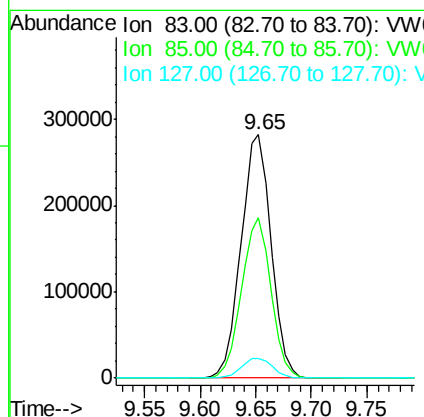
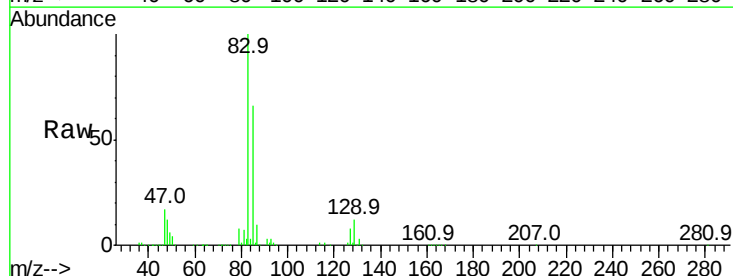
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05084

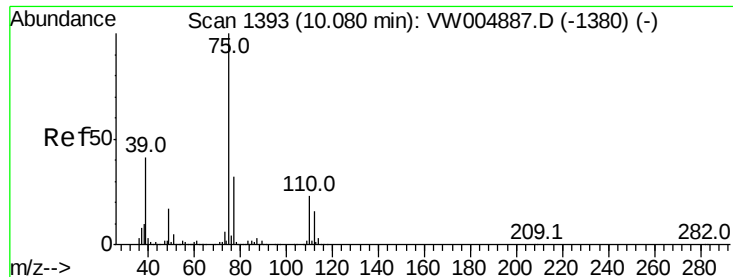
Tgt Ion: 63 Resp: 496555
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#41
 Bromodichloromethane
 Concen: 40.572 ug/L
 RT: 9.65 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VW004888.D
 Acq: 22 Aug 2018 16:53

Tgt Ion: 83 Resp: 529629
 Ion Ratio Lower Upper
 83 100
 85 65.7 43.6 81.0
 127 8.3 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 49.847 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

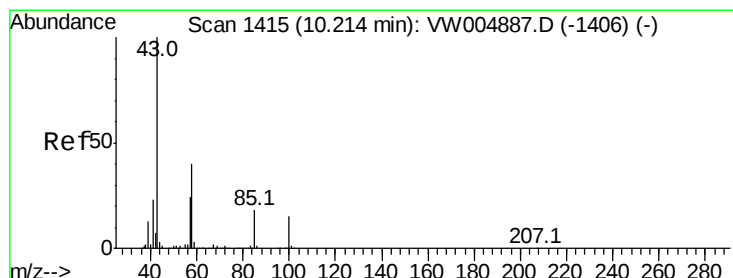
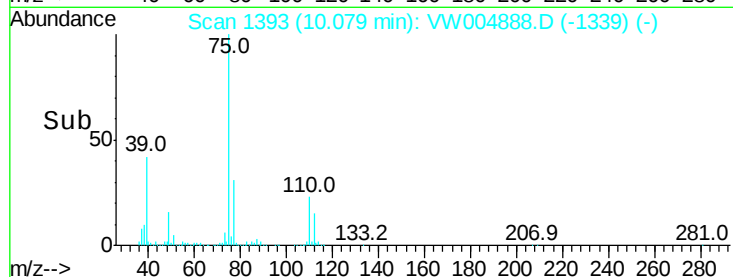
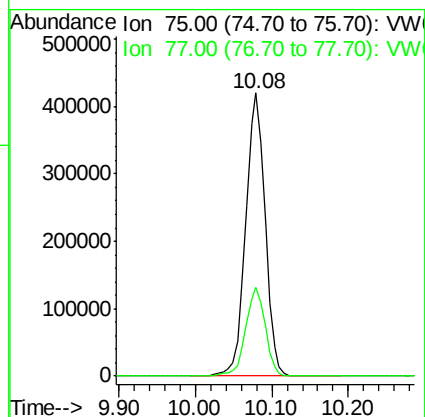
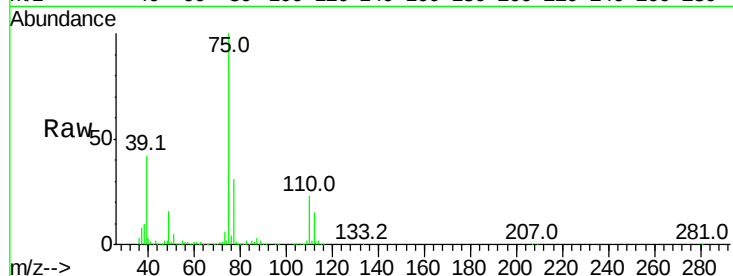
VSTD05084

Tgt Ion: 75 Resp: 741032

Ion Ratio Lower Upper

75 100

77 31.4 22.4 41.6



#43

4-Methyl-2-pentanone

Concen: 102.091 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

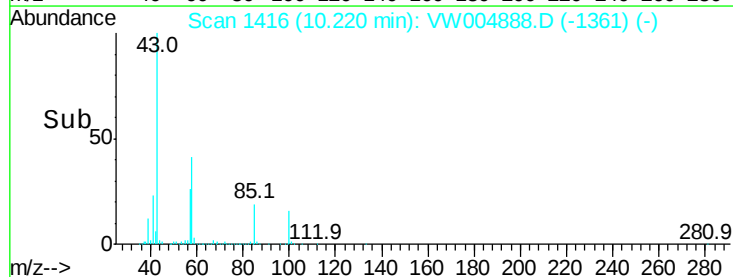
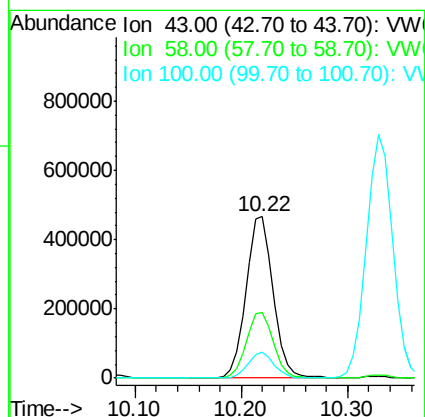
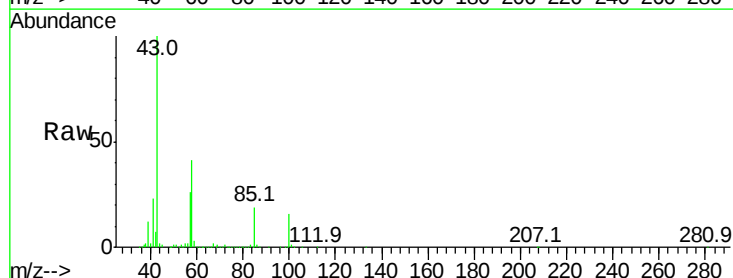
Tgt Ion: 43 Resp: 831875

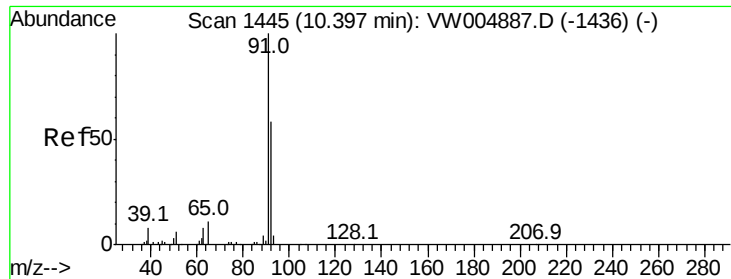
Ion Ratio Lower Upper

43 100

58 40.7 32.1 48.1

100 15.7 12.6 18.8





#44

Toluene

Concen: 58.678 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

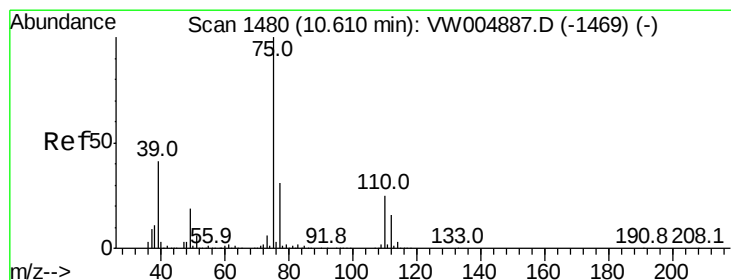
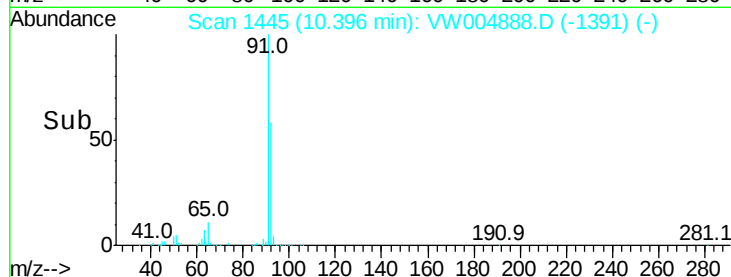
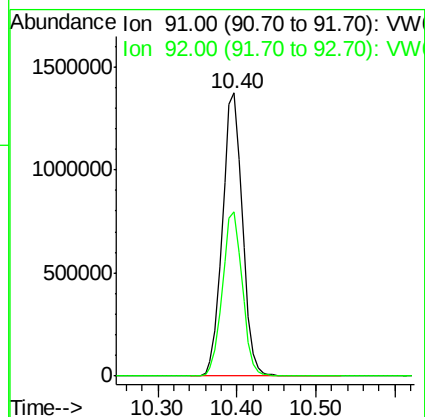
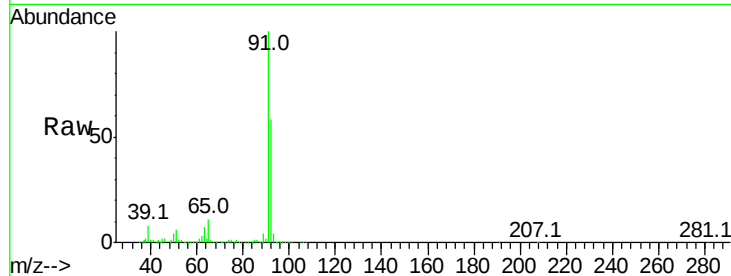
VSTD05084

Tgt Ion: 91 Resp: 2422946

Ion Ratio Lower Upper

91 100

92 58.2 40.6 75.4



#45

trans-1,3-Dichloropropene

Concen: 49.605 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004888.D

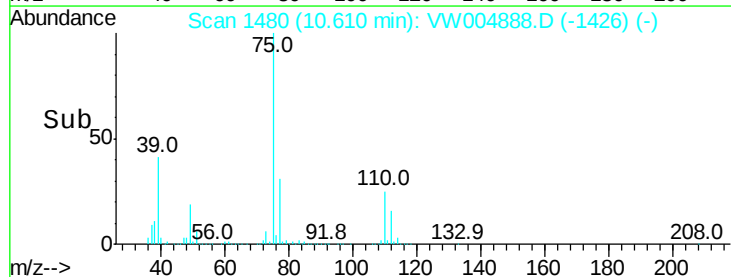
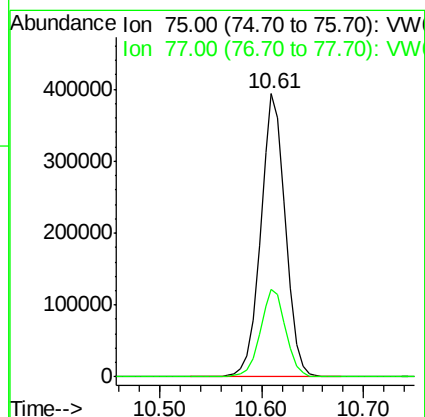
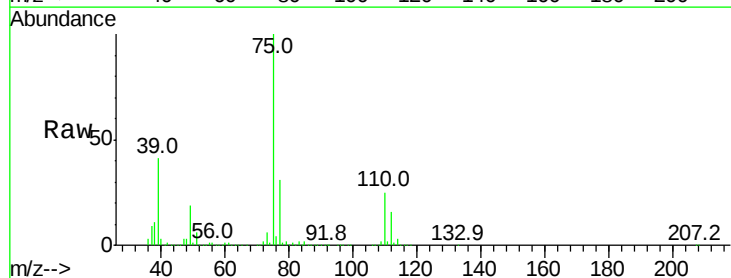
Acq: 22 Aug 2018 16:53

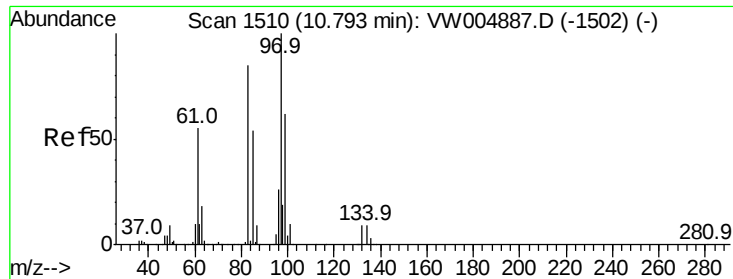
Tgt Ion: 75 Resp: 662890

Ion Ratio Lower Upper

75 100

77 31.1 22.2 41.2

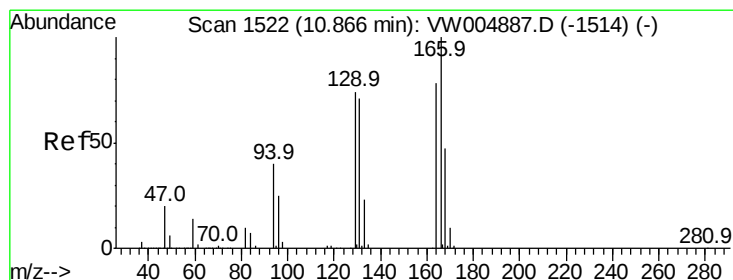
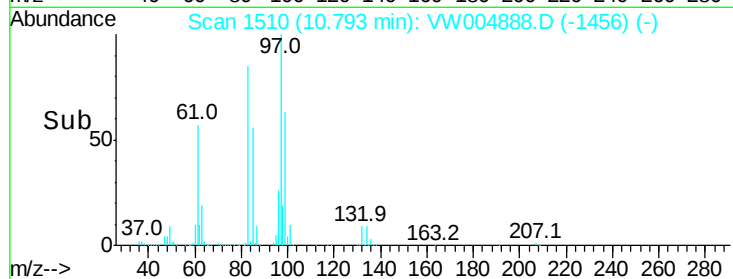
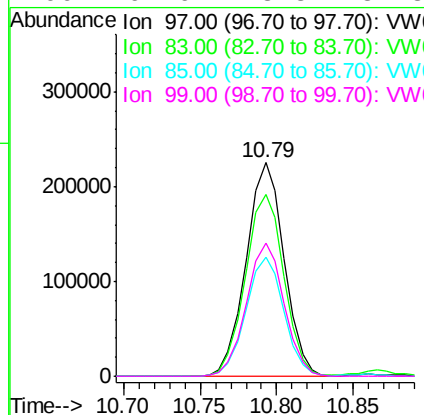
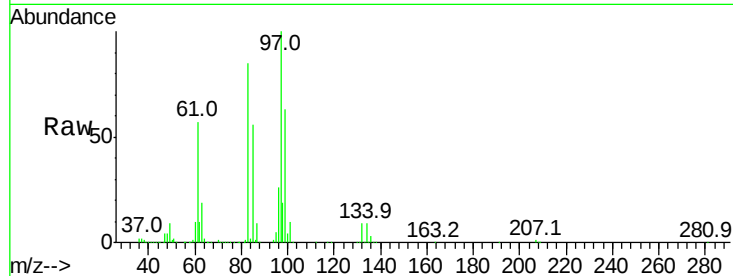




#46
 1,1,2-Trichloroethane
 Concen: 45.951 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004888.D
 Acq: 22 Aug 2018 16:53

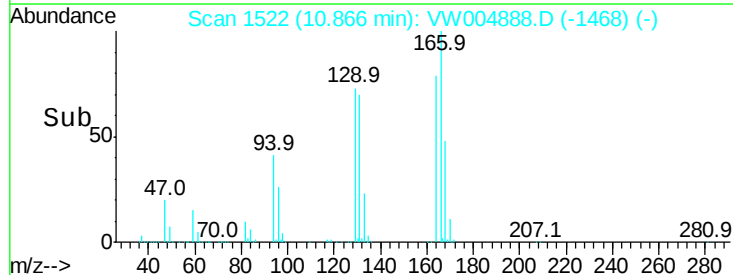
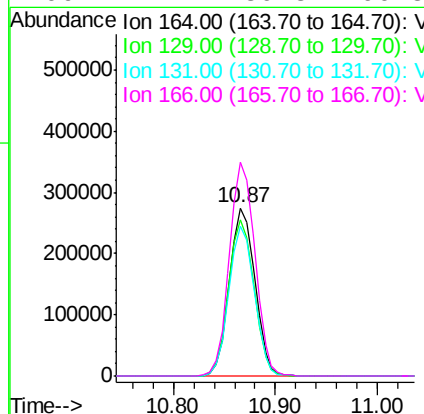
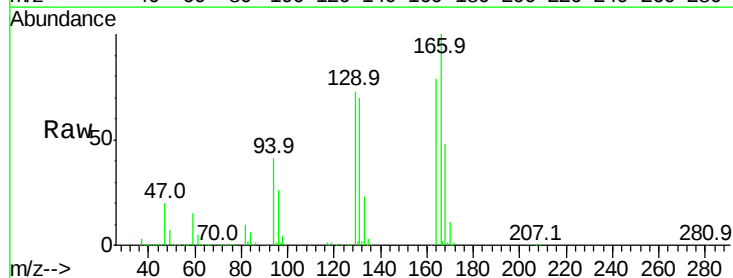
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

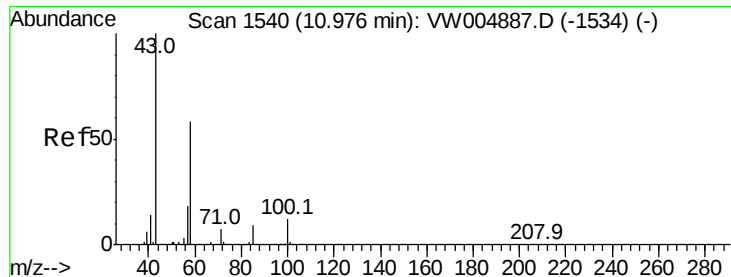
Tgt Ion:	97	Resp:	388213
Ion	Ratio	Lower	Upper
97	100		
83	85.0	59.6	110.8
85	56.0	38.1	70.9
99	62.6	43.8	81.3



#47
 Tetrachloroethene
 Concen: 58.254 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004888.D
 Acq: 22 Aug 2018 16:53

Tgt Ion:	164	Resp:	475714
Ion	Ratio	Lower	Upper
164	100		
129	93.3	66.8	124.0
131	89.5	64.0	119.0
166	127.1	89.8	166.8





#49

2-Hexanone

Concen: 104.974 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

Tgt Ion: 43 Resp: 642792

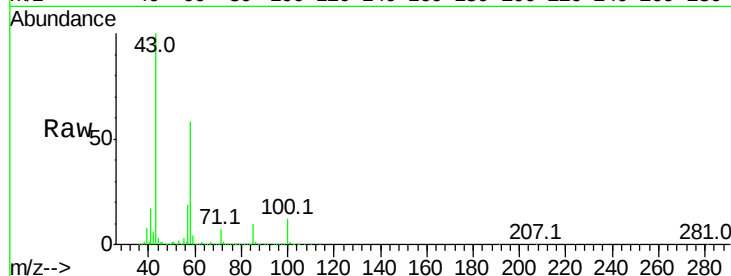
Ion Ratio Lower Upper

43 100

58 57.4 44.6 67.0

57 19.2 15.4 23.2

100 12.5 9.6 14.4

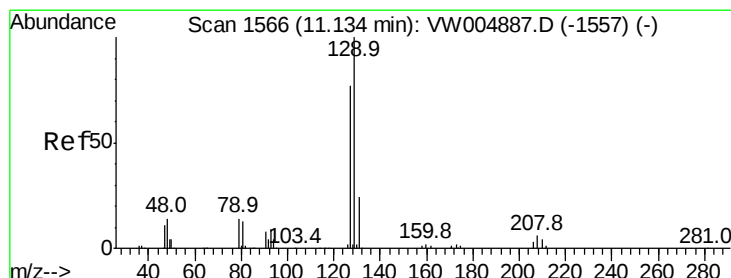
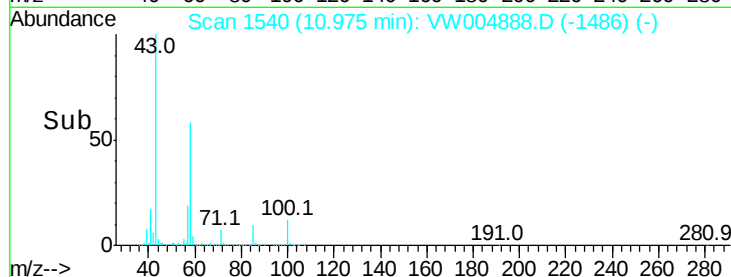
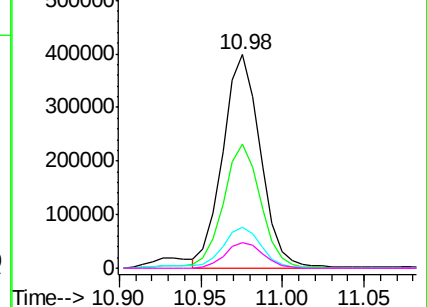


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 46.880 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW004888.D

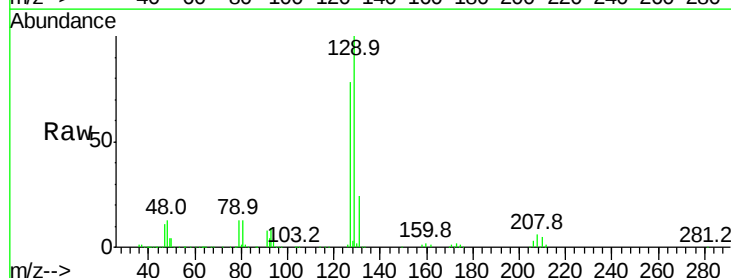
Acq: 22 Aug 2018 16:53

Tgt Ion: 129 Resp: 439358

Ion Ratio Lower Upper

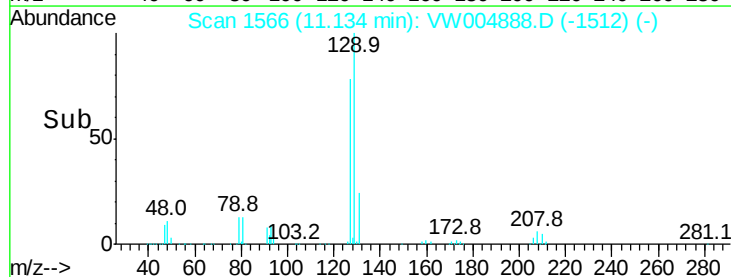
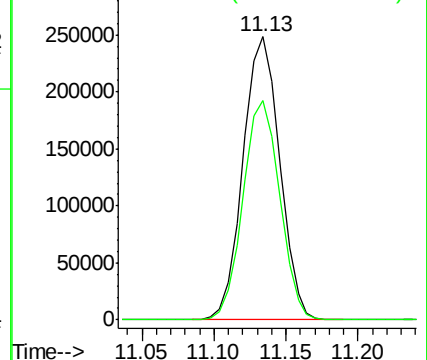
129 100

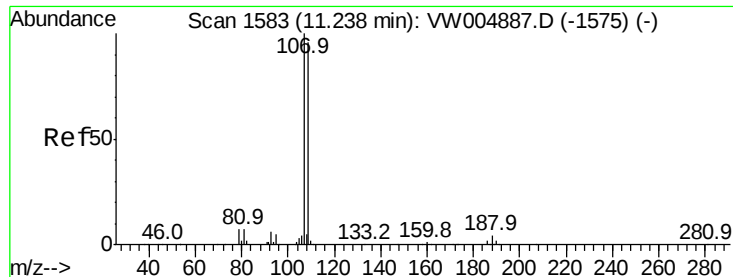
127 77.7 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

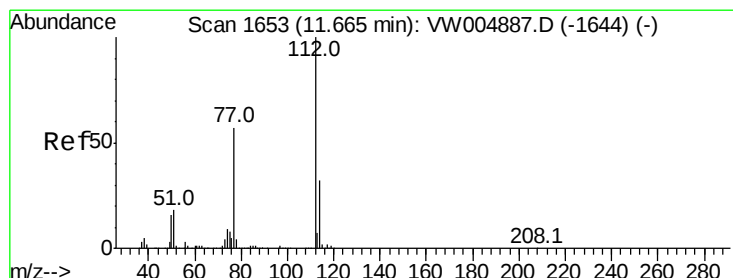
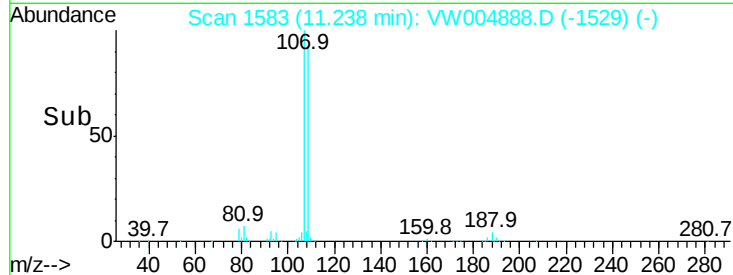
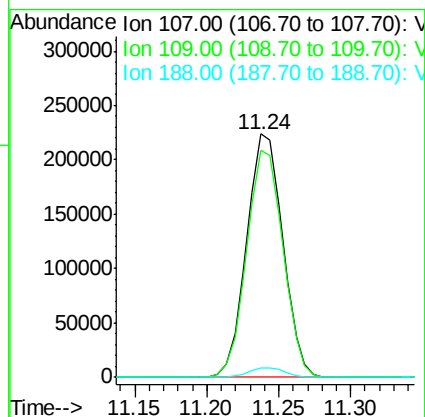
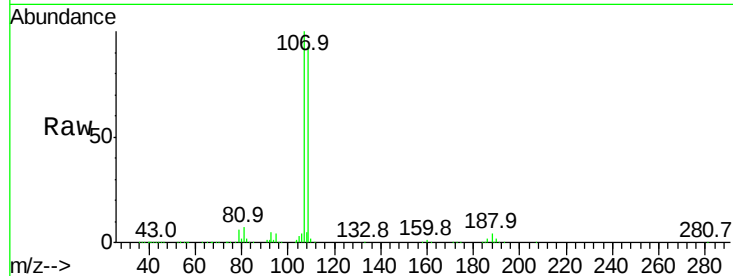




#51
1,2-Dibromoethane
Concen: 48.033 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW004888.D
Acq: 22 Aug 2018 16:53

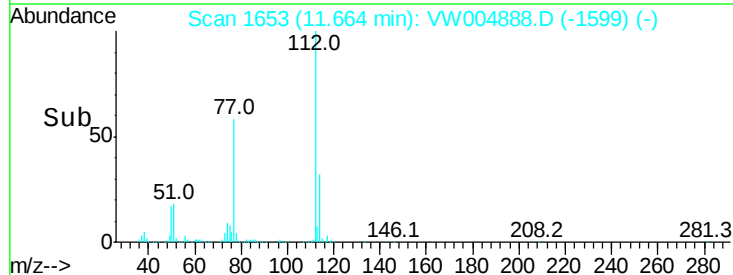
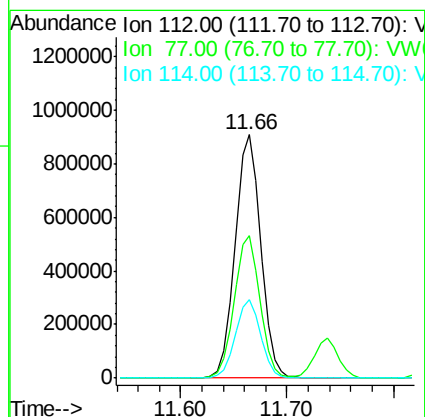
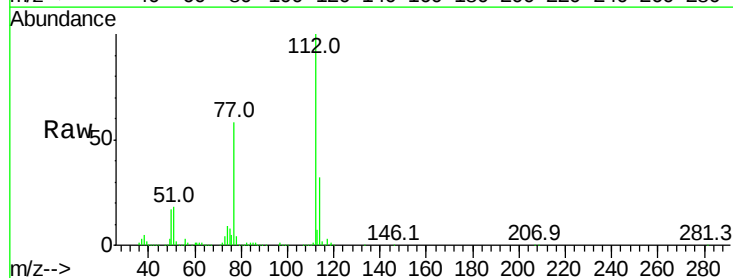
Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

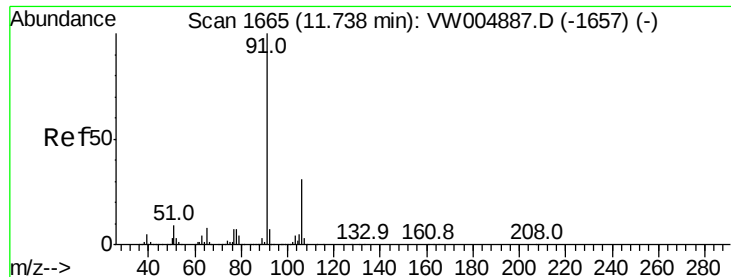
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.4	67.3	124.9
188	3.7	3.0	4.6



#52
Chlorobenzene
Concen: 55.148 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW004888.D
Acq: 22 Aug 2018 16:53

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.4	45.8	68.8
114	32.4	22.5	41.7





#53

Ethylbenzene

Concen: 59.535 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

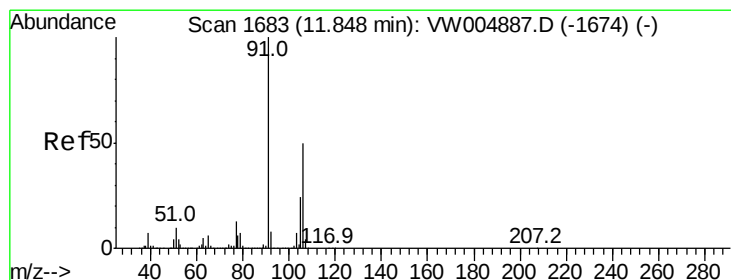
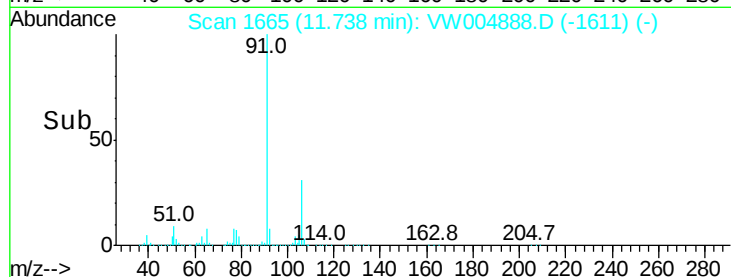
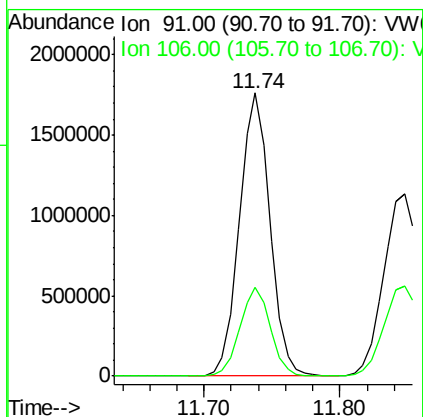
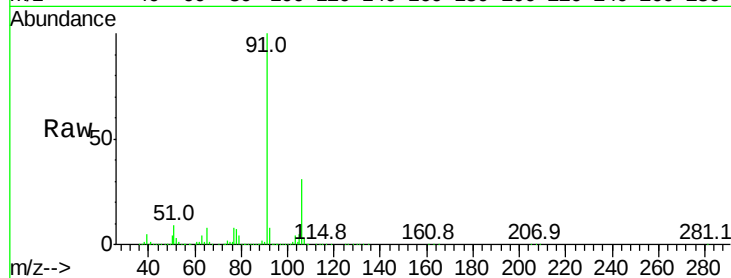
VSTD05084

Tgt Ion: 91 Resp: 2762437

Ion Ratio Lower Upper

91 100

106 31.4 21.6 40.2



#54

m,p-Xylene

Concen: 61.483 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004888.D

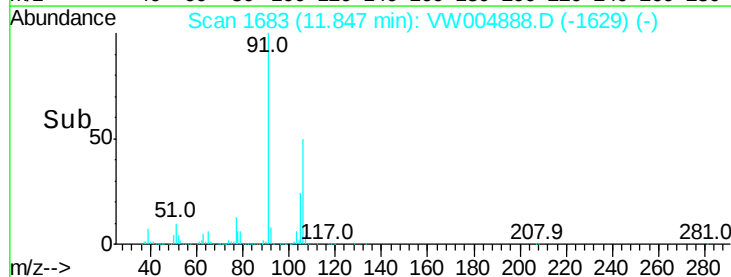
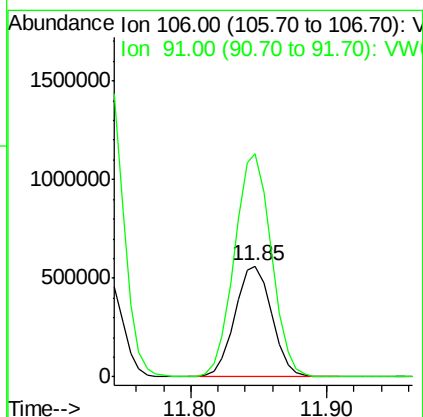
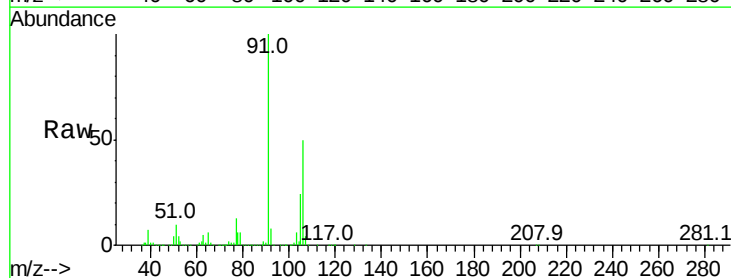
Acq: 22 Aug 2018 16:53

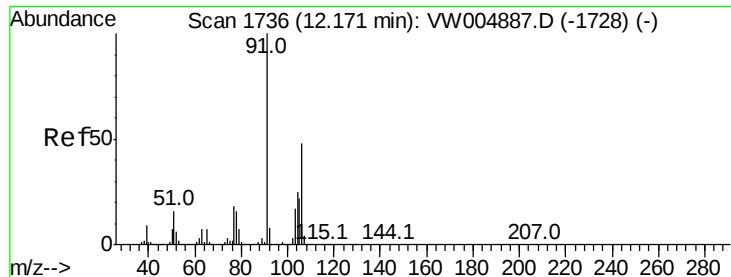
Tgt Ion: 106 Resp: 1064373

Ion Ratio Lower Upper

106 100

91 201.5 141.4 262.6





#55

o-xylene

Concen: 61.389 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

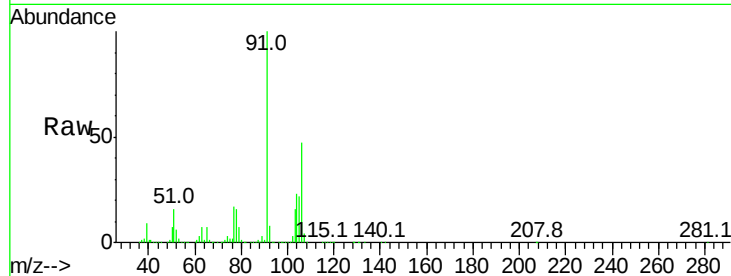
VSTD05084

Tgt Ion:106 Resp: 1006971

Ion Ratio Lower Upper

106 100

91 214.5 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

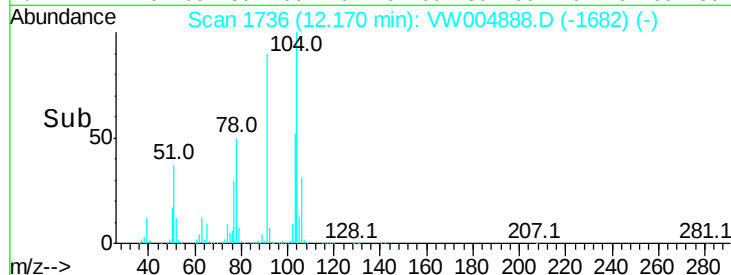
1500000

1000000

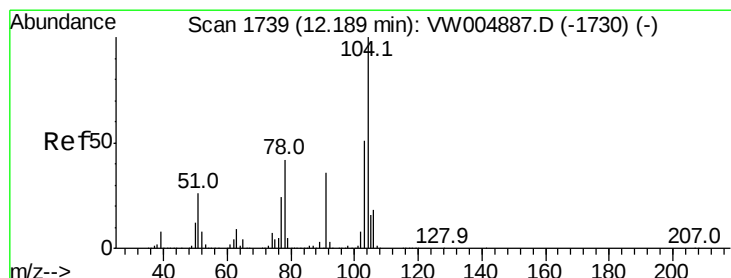
500000

0

12.10 12.20



Time-->



#56

Styrene

Concen: 61.300 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW004888.D

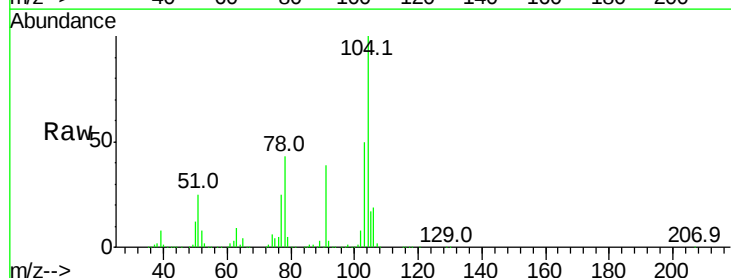
Acq: 22 Aug 2018 16:53

Tgt Ion:104 Resp: 1752135

Ion Ratio Lower Upper

104 100

78 42.8 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

1200000

1000000

800000

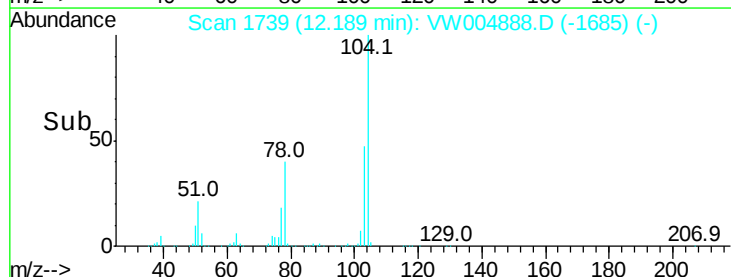
600000

400000

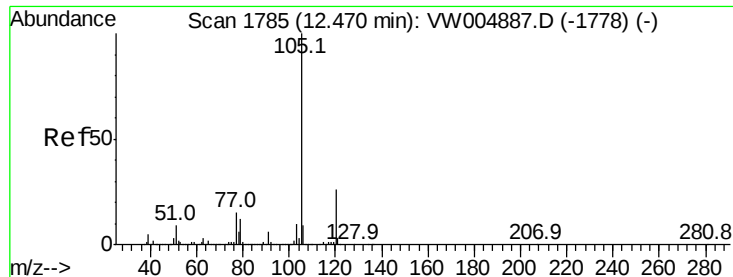
200000

0

12.10 12.20



Time-->



#57

Isopropylbenzene

Concen: 61.292 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

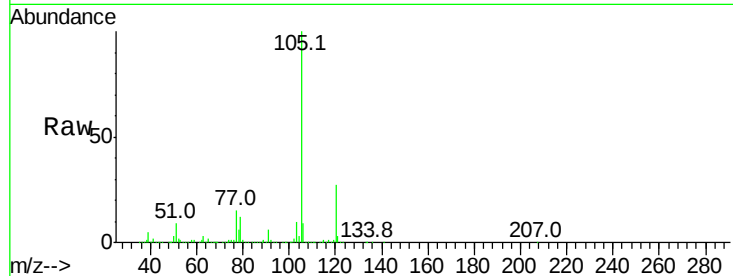
Tgt Ion:105 Resp: 2721417

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

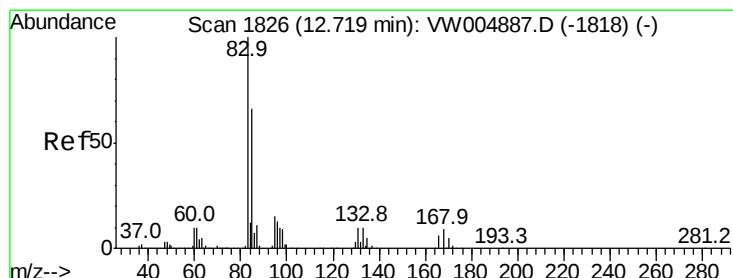
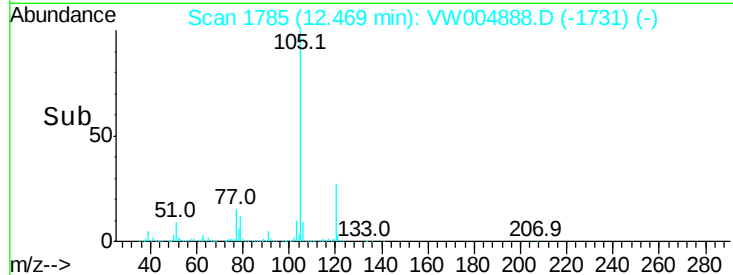
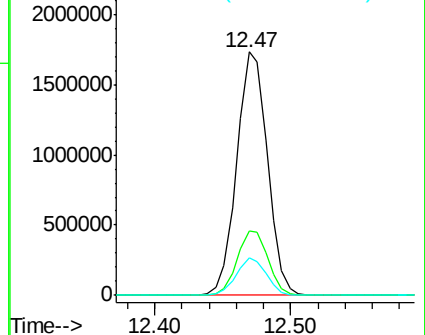
77 14.9 12.0 18.0



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: 45.397 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

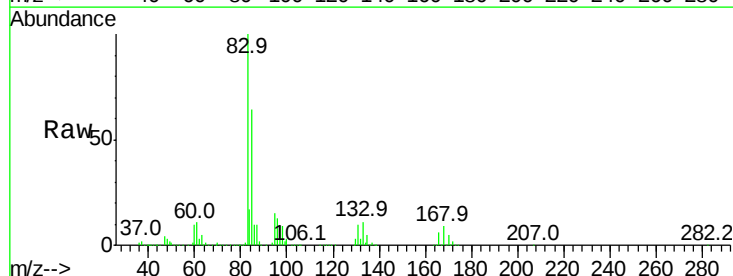
Tgt Ion: 83 Resp: 556666

Ion Ratio Lower Upper

83 100

85 64.0 46.3 85.9

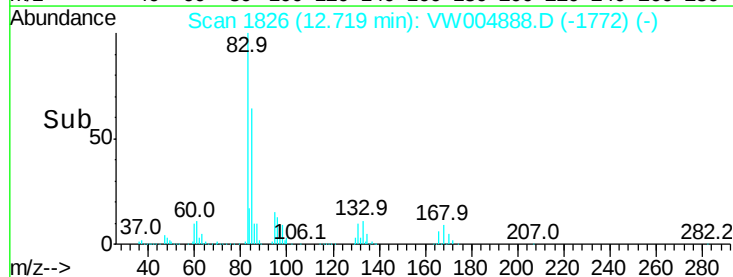
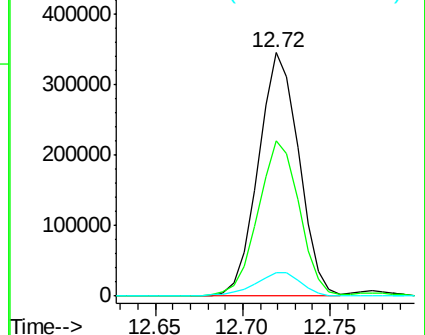
131 9.5 7.8 11.6

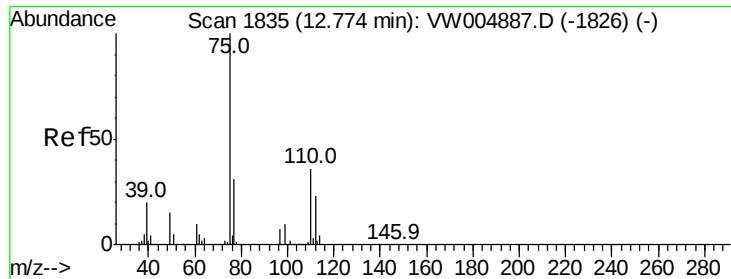


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.269 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

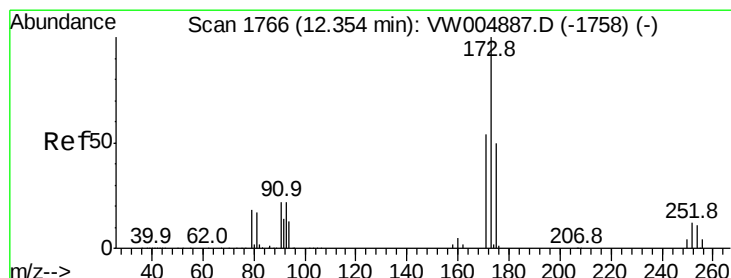
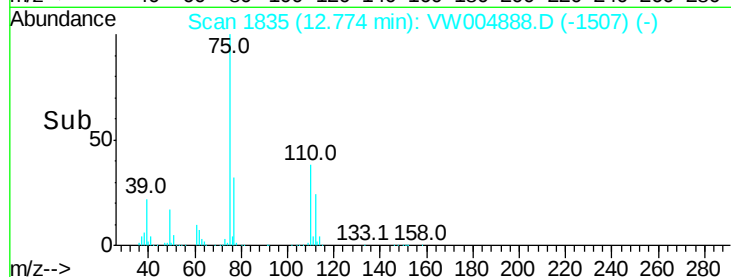
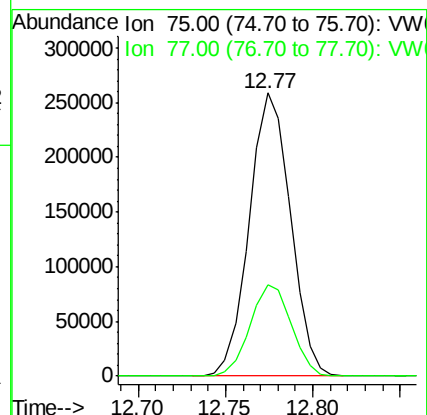
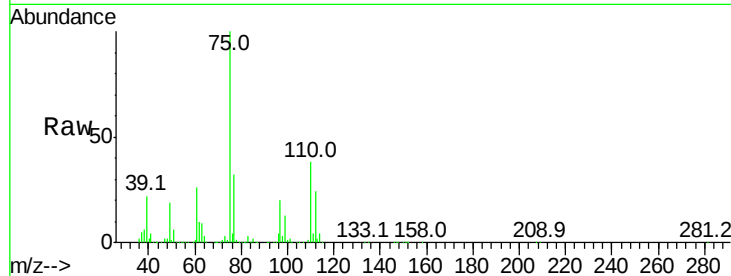
VSTD05084

Tgt Ion: 75 Resp: 423739

Ion Ratio Lower Upper

75 100

77 32.5 25.3 37.9



#62

Bromoform

Concen: 46.716 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

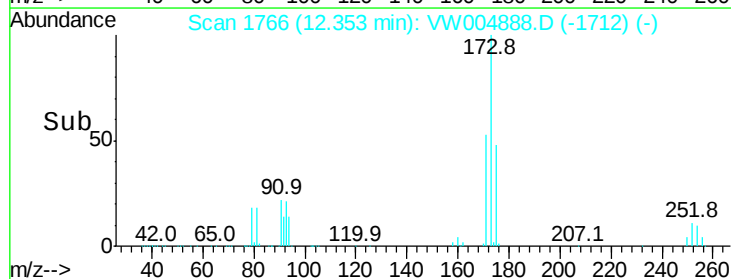
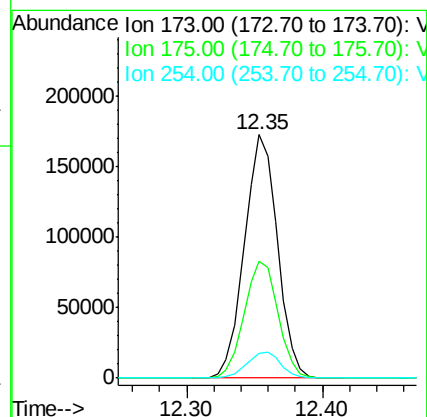
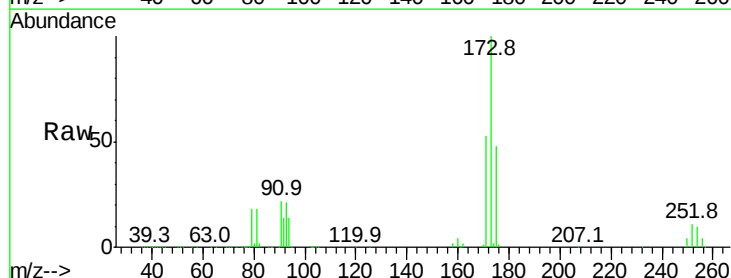
Tgt Ion: 173 Resp: 293616

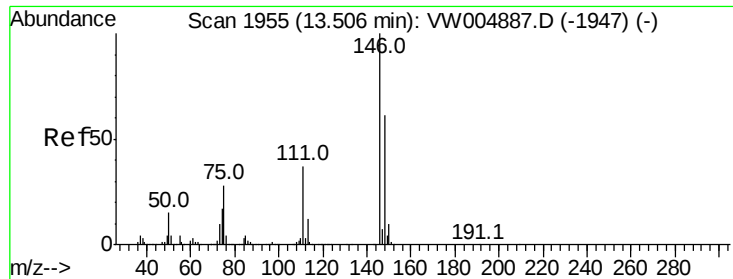
Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.6

254 11.1 9.0 13.6

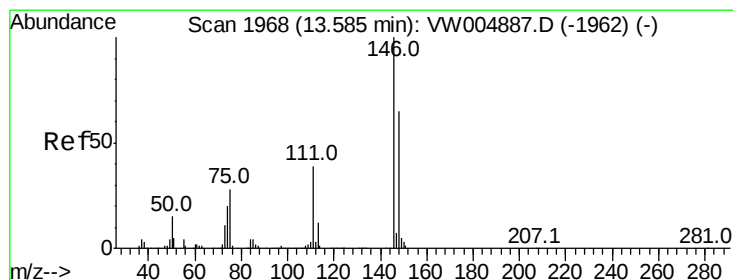
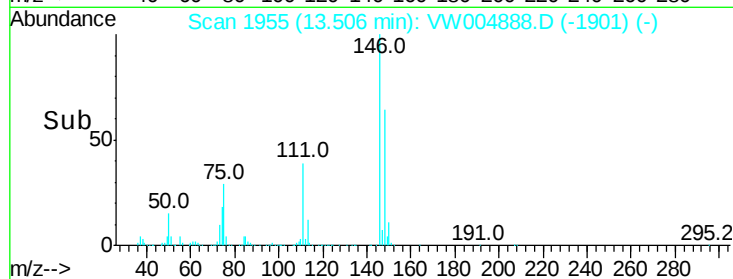
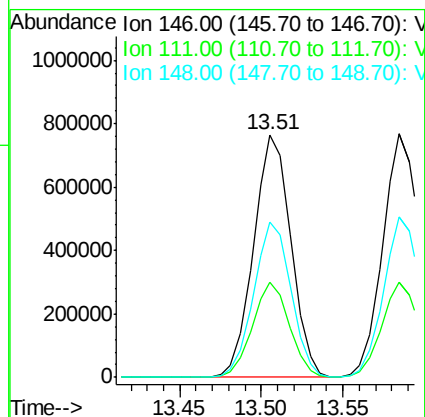
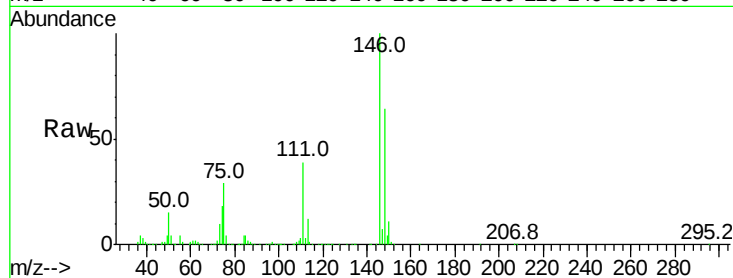




#63
 1,3-Dichlorobenzene
 Concen: 56.450 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004888.D
 Acq: 22 Aug 2018 16:53

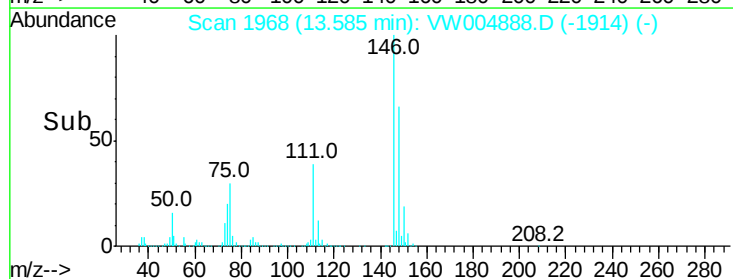
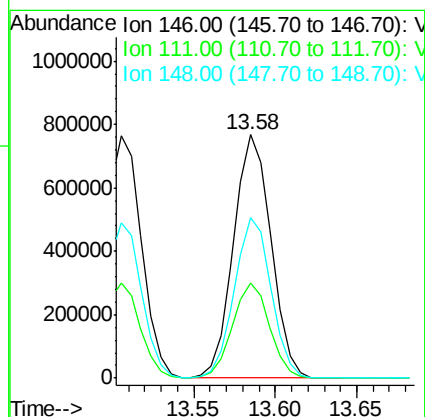
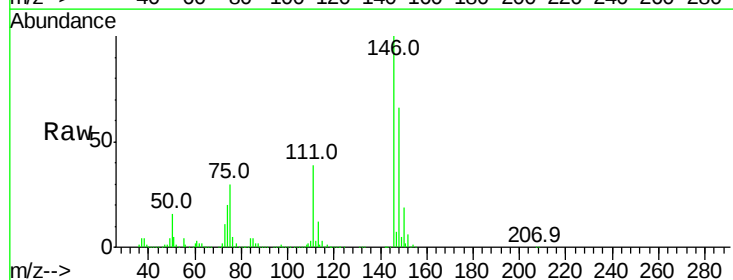
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

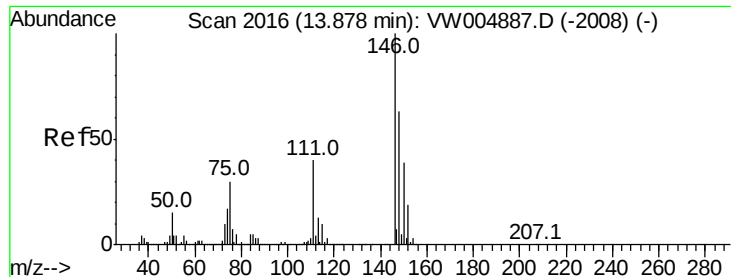
Tgt Ion:146 Resp: 1214709
 Ion Ratio Lower Upper
 146 100
 111 39.3 25.6 47.6
 148 63.8 42.7 79.3



#64
 1,4-Dichlorobenzene
 Concen: 53.190 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004888.D
 Acq: 22 Aug 2018 16:53

Tgt Ion:146 Resp: 1230095
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.6 51.4
 148 66.1 45.8 85.0





#65

1,2-Dichlorobenzene

Concen: 53.310 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

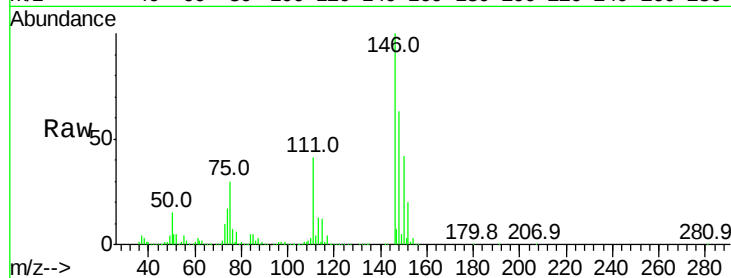
Tgt Ion:146 Resp: 1149397

Ion Ratio Lower Upper

146 100

111 41.1 32.0 48.0

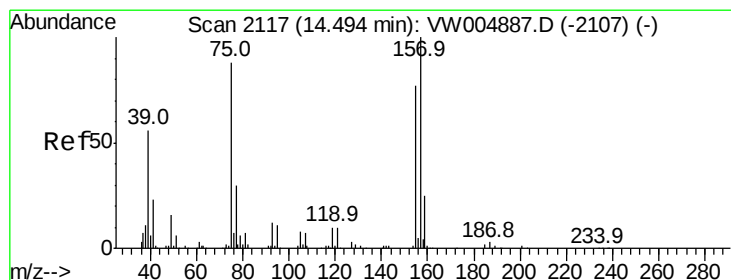
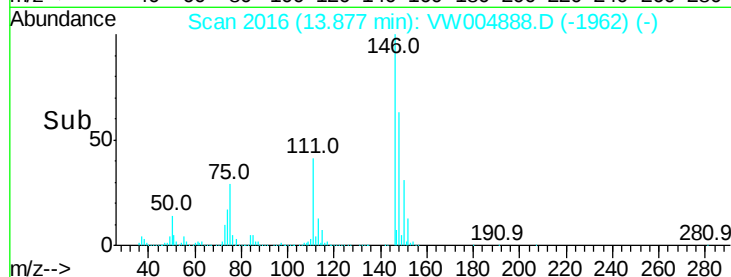
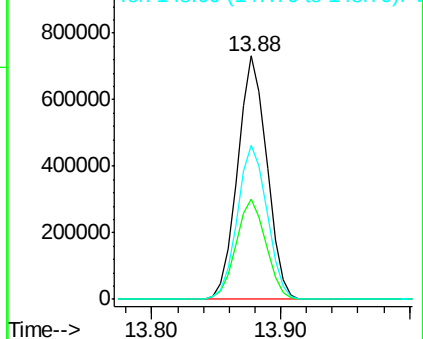
148 63.1 50.6 75.8



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: 47.335 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

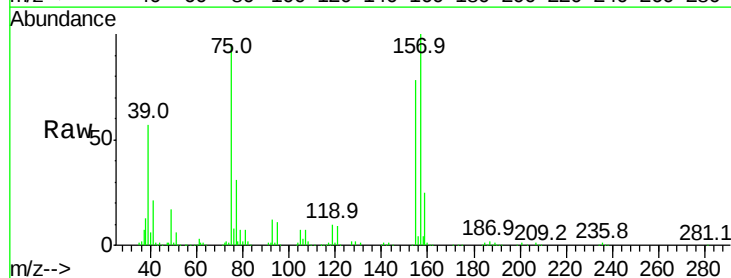
Tgt Ion: 75 Resp: 104837

Ion Ratio Lower Upper

75 100

157 105.6 90.7 136.1

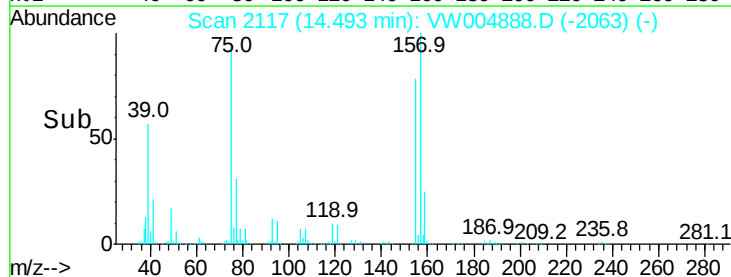
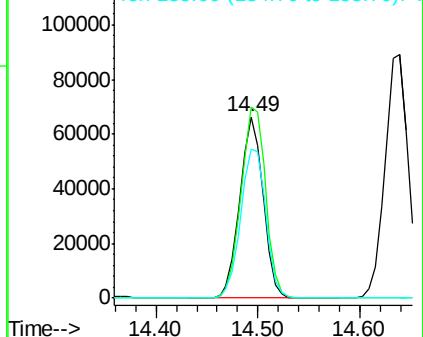
155 82.2 69.5 104.3

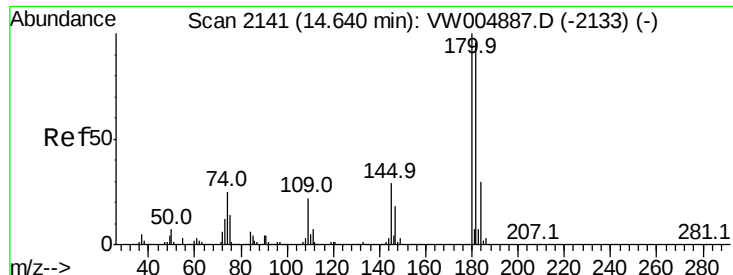


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

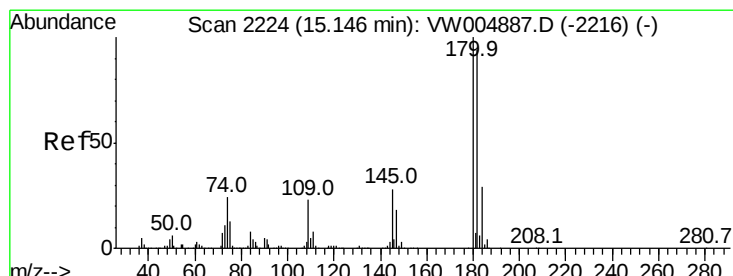
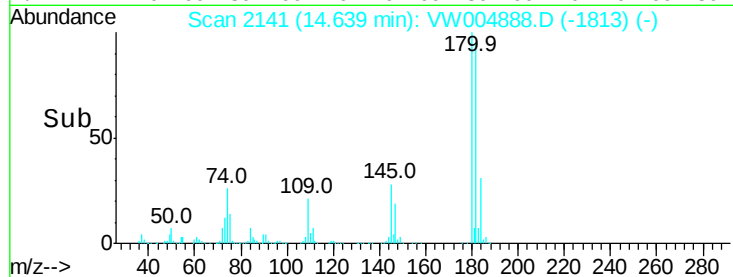
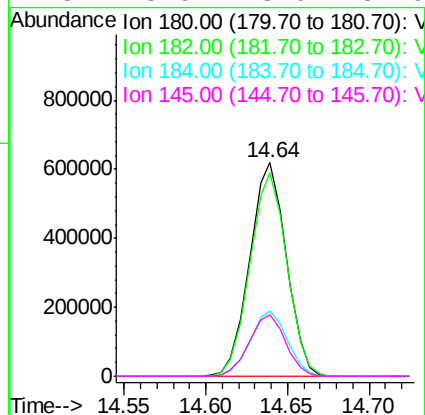
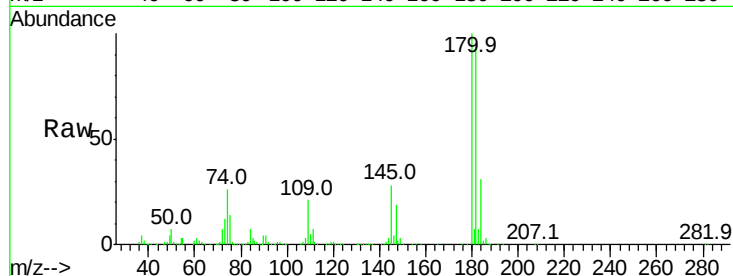




#67
 1,3,5-Trichlorobenzene
 Concen: 56.712 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004888.D
 Acq: 22 Aug 2018 16:53

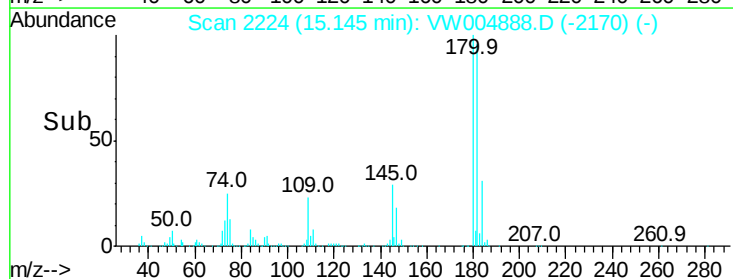
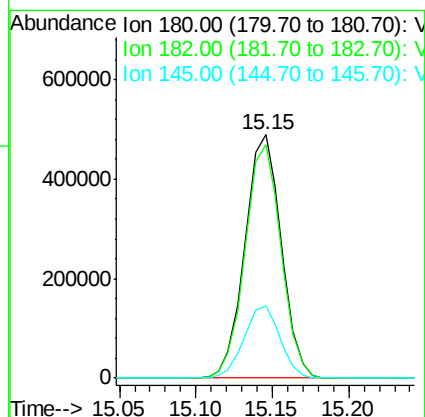
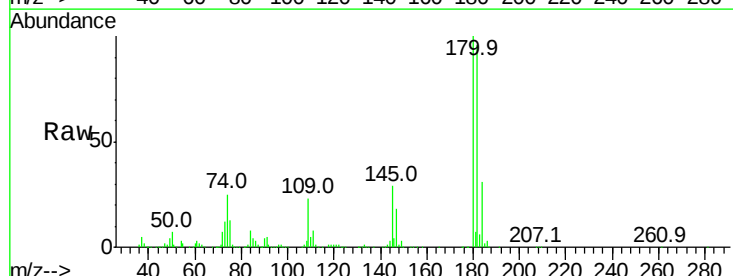
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

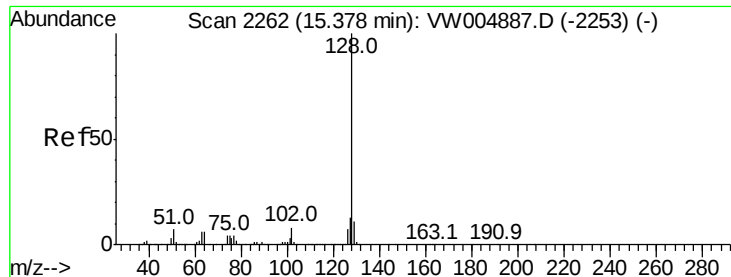
Tgt Ion:	180	Resp:	967398
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.0	114.0
184	30.9	24.3	36.5
145	28.6	23.0	34.6



#68
 1,2,4-trichlorobenzene
 Concen: 58.400 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004888.D
 Acq: 22 Aug 2018 16:53

Tgt Ion:	180	Resp:	805938
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.1	114.1
145	29.5	23.3	34.9





#69

Naphthalene

Concen: 59.500 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

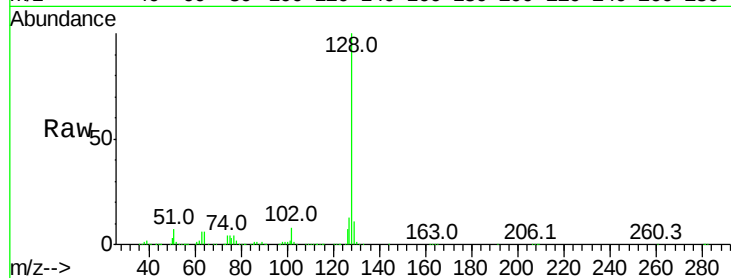
Tgt Ion:128 Resp: 1872592

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

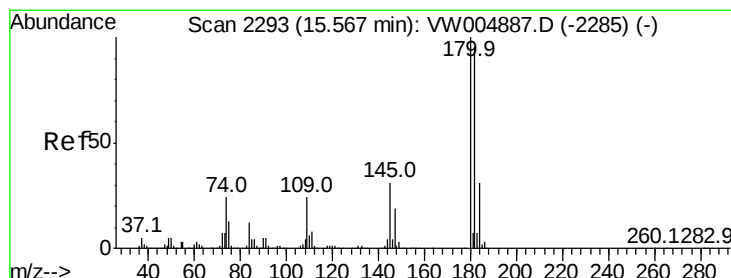
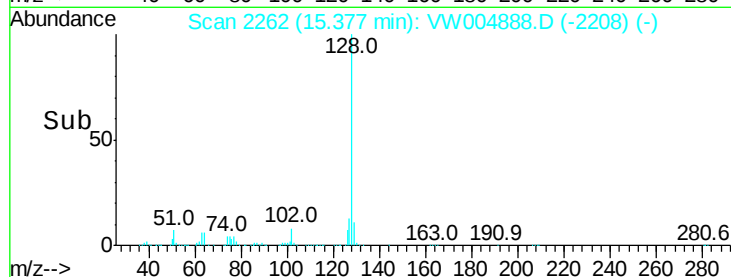
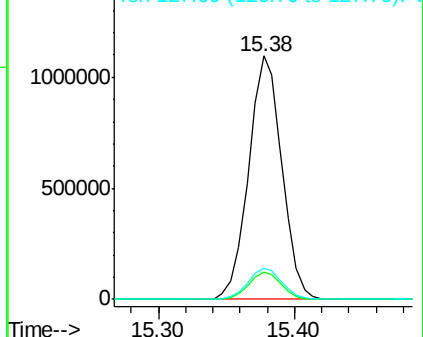
127 12.9 10.6 15.8



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: 56.856 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004888.D

Acq: 22 Aug 2018 16:53

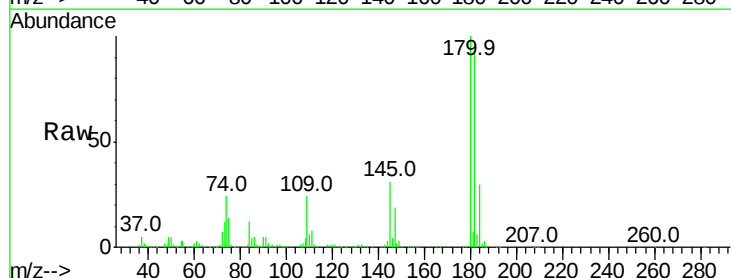
Tgt Ion:180 Resp: 764115

Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.6

145 30.7 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

