

Data File : VW004889.D
Acq On : 22 Aug 2018 17:24
Operator : SY/AP
Sample : VSTD10085
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

Quant Time: Aug 22 17:46:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 22 17:23:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	686546	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	673932	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	351320	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	1180500	88.96	ug/L	0.00
7) Chloroethane-d5	2.88	69	853451	86.27	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1539567	91.29	ug/L	0.00
20) 2-Butanone-d5	7.09	46	559730	215.15	ug/L	0.00
24) Chloroform-d	7.65	84	1285410	81.15	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	702943	81.78	ug/L	0.00
29) Benzene-d6	8.28	84	3579989	104.12	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	1004323	98.26	ug/L	0.00
37) Toluene-d8	10.33	98	3866372	106.69	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	478770	111.84	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	654068	279.91	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	1099803	109.51	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	1408230	99.73	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	1211544	92.384	ug/L	100
3) Chloromethane	2.22	50	1376836	92.700	ug/L	100
5) Vinyl chloride	2.36	62	1413996	94.302	ug/L	100
6) Bromomethane	2.78	94	747020	95.293	ug/L	100
8) Chloroethane	2.92	64	771547	91.566	ug/L	97
9) Trichlorofluoromethane	3.26	101	1381385	90.302	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	762895	81.952	ug/L	99
12) 1,1-Dichloroethene	4.04	96	760968	94.078	ug/L	93
13) Acetone	4.15	43	366220	174.449	ug/L	98
14) Carbon disulfide	4.38	76	3346999	101.328	ug/L	99
15) Methyl Acetate	4.68	43	478298	104.292	ug/L	98
16) Methylene chloride	4.92	84	1043169	74.336	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	1759898	102.430	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	764292	89.990	ug/L	97
19) 1,1-Dichloroethane	6.23	63	1330071	84.902	ug/L	96
21) 2-Butanone	7.18	43	636097	202.427	ug/L	98
22) cis-1,2-Dichloroethene	7.18	96	826603	90.238	ug/L	99
23) Bromochloromethane	7.52	128	451159	93.985	ug/L	98
25) Chloroform	7.68	83	1298660	82.258	ug/L	100
27) 1,2-Dichloroethane	8.40	62	854643	82.658	ug/L	99
30) Cyclohexane	7.96	56	1619794	116.673	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	1236666	94.157	ug/L	99
32) Carbon tetrachloride	8.07	117	1130098	96.690	ug/L	99
34) Benzene	8.33	78	3986848	104.736	ug/L	100
35) Trichloroethene	9.10	95	984954	103.882	ug/L	99
36) Methylcyclohexane	9.34	83	2067983	122.207	ug/L	99
40) 1,2-Dichloropropane	9.37	63	939619	99.256	ug/L	100
41) Bromodichloromethane	9.65	83	984553	93.252	ug/L	95
42) cis-1,3-Dichloropropene	10.08	75	1434978	111.984	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	1727400	263.198	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	4828400	105.857	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	1326648	114.774	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	761386	104.027	ug/L	99
47) Tetrachloroethene	10.87	164	963203	103.737	ug/L	99
49) 2-Hexanone	10.98	43	1318072	258.808	ug/L	98
50) Dibromochloromethane	11.13	129	863010	106.788	ug/L	99
51) 1,2-Dibromoethane	11.24	107	791367	111.855	ug/L	99
52) Chlorobenzene	11.66	112	3072747	100.296	ug/L	99
53) Ethylbenzene	11.74	91	5537508	108.441	ug/L	99
54) m,p-Xylene	11.85	106	2160503	109.228	ug/L	99
55) o-xylene	12.17	106	2052798	111.591	ug/L	99
56) Styrene	12.19	104	3529054	111.674	ug/L	100
57) Isopropylbenzene	12.47	105	5490967	111.794	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	1119622	108.225	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	862208	108.142	ug/L	99
62) Bromoform	12.35	173	621846	114.980	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	2467380	102.437	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	2502347	98.443	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	2293854	98.638	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	213434	110.887	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	1944181	100.481	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	1629288	105.295	ug/L	100
69) Naphthalene	15.38	128	3845200	127.667	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	1512909	103.421	ug/L	100

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

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VSTD10085

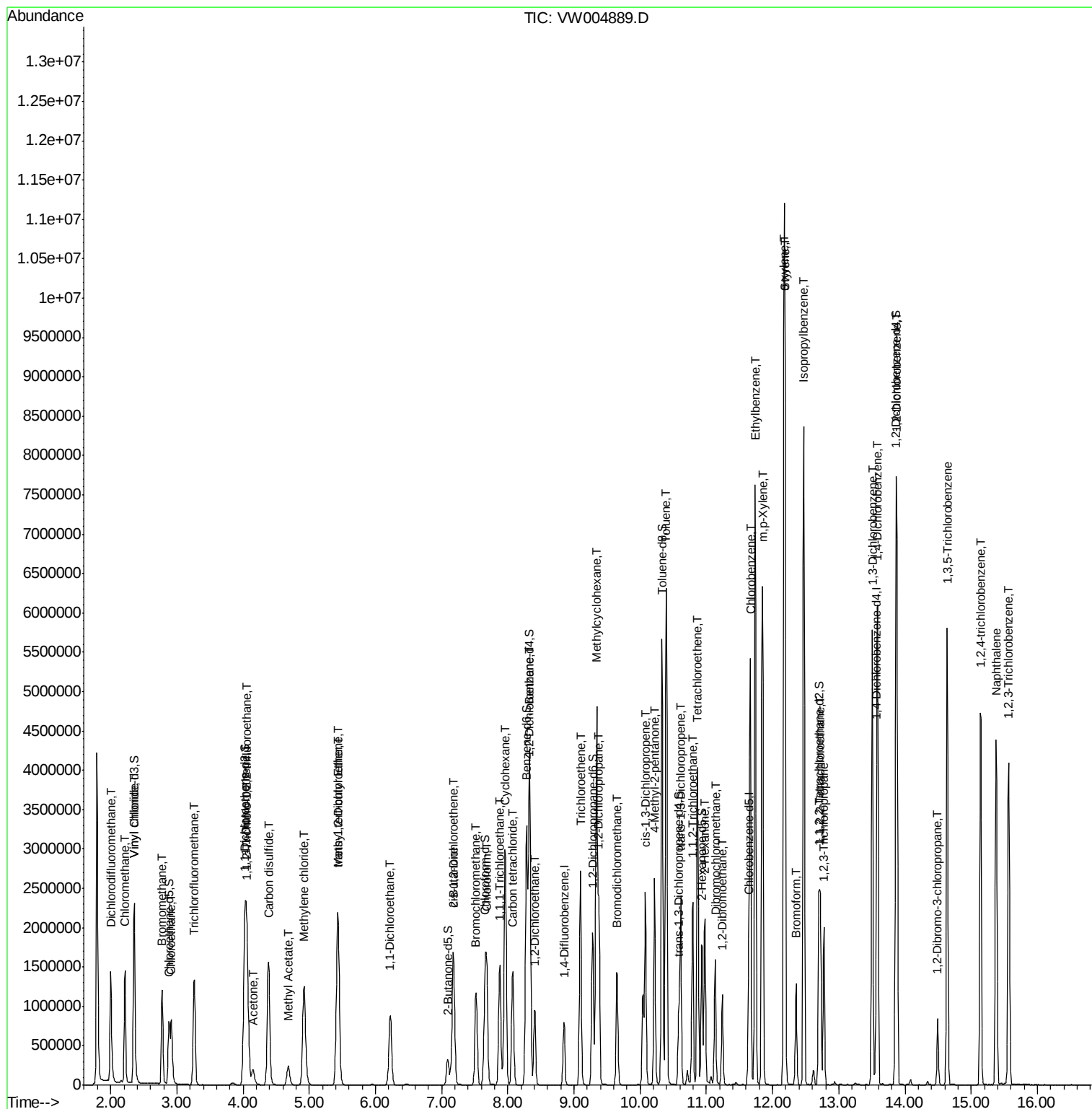
Quant Time: Aug 22 17:46:23 2018

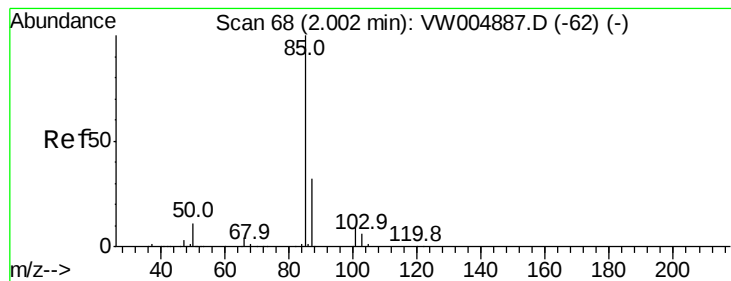
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 92.384 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

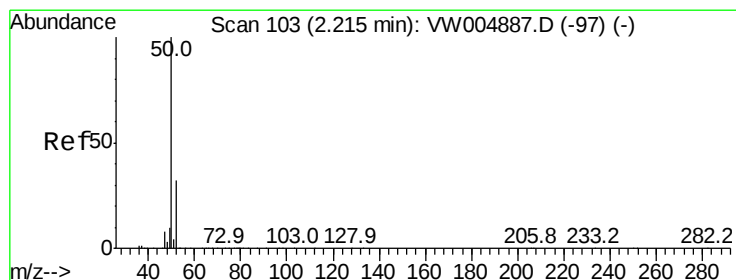
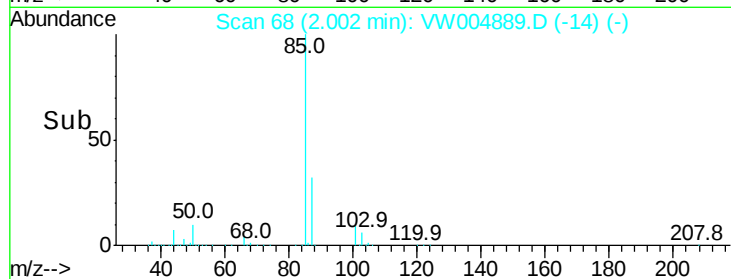
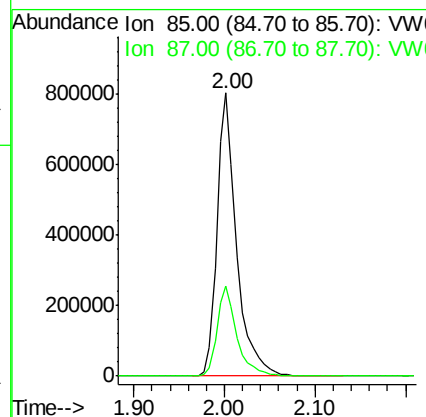
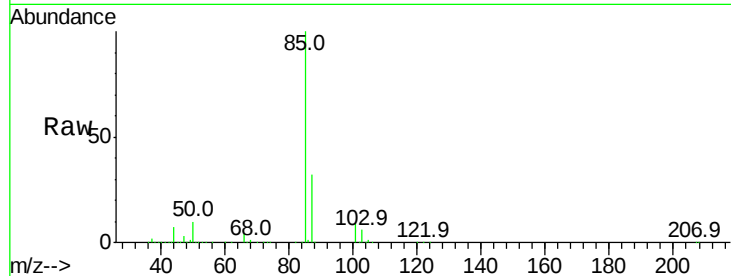
VSTD10085

Tgt Ion: 85 Resp: 1211544

Ion Ratio Lower Upper

85 100

87 32.1 22.6 42.0



#3

Chloromethane

Concen: 92.700 ug/L

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004889.D

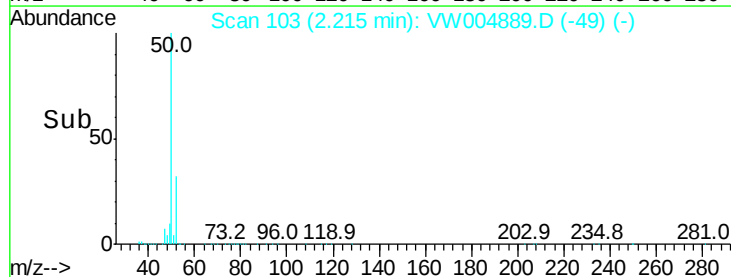
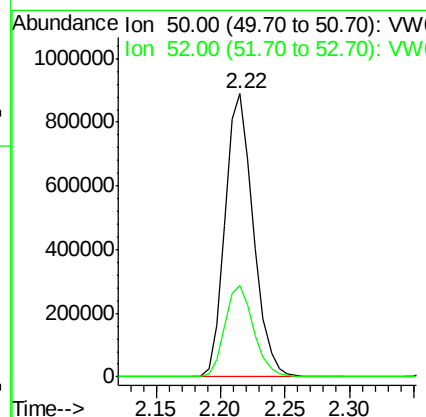
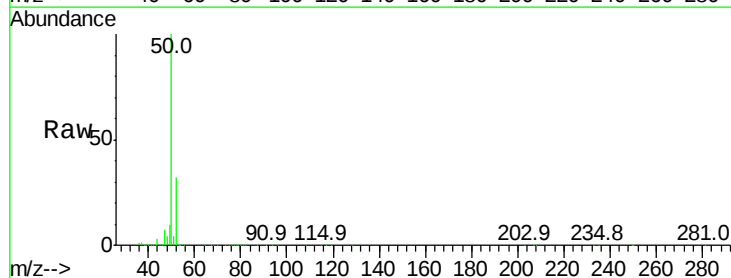
Acq: 22 Aug 2018 17:24

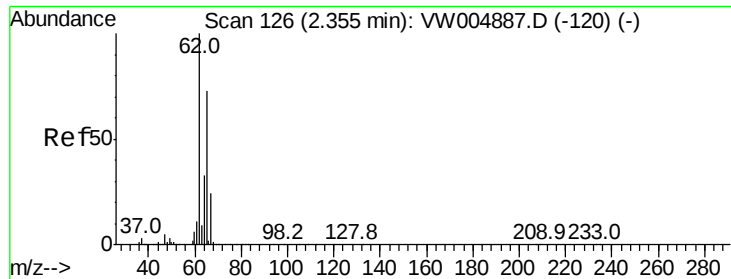
Tgt Ion: 50 Resp: 1376836

Ion Ratio Lower Upper

50 100

52 32.1 22.5 41.9





#5

Vinyl chloride

Concen: 94.302 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

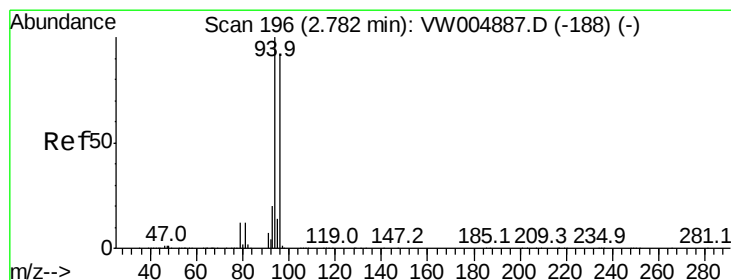
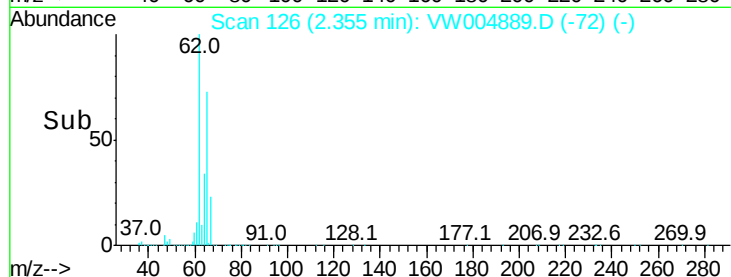
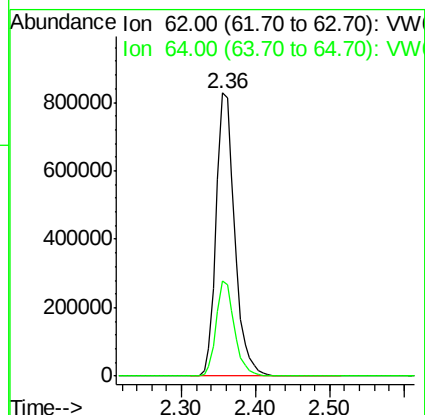
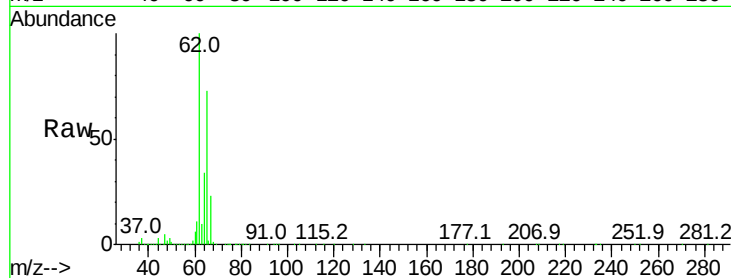
VSTD10085

Tgt Ion: 62 Resp: 1413996

Ion Ratio Lower Upper

62 100

64 33.6 23.3 43.3



#6

Bromomethane

Concen: 95.293 ug/L

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VW004889.D

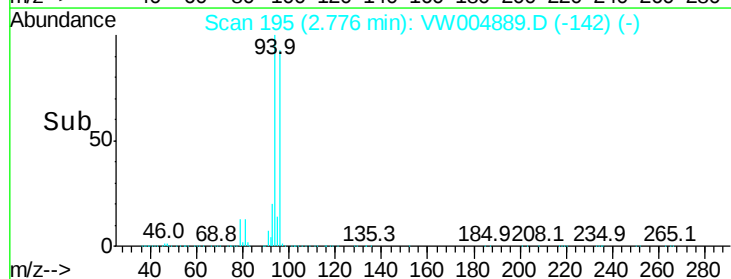
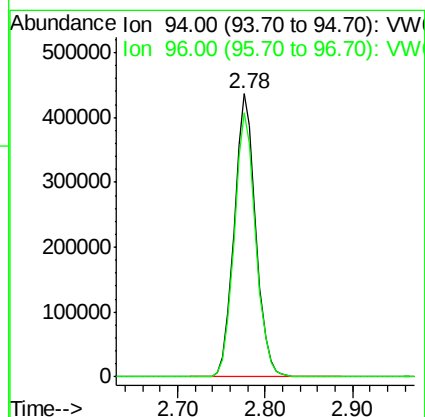
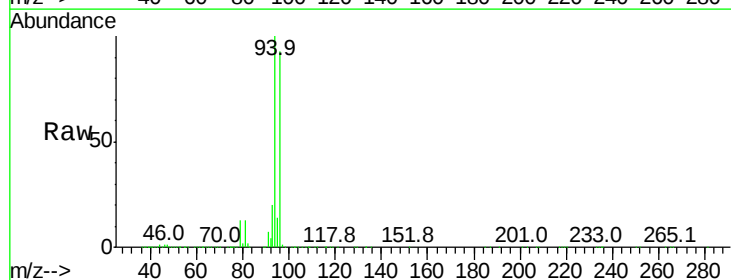
Acq: 22 Aug 2018 17:24

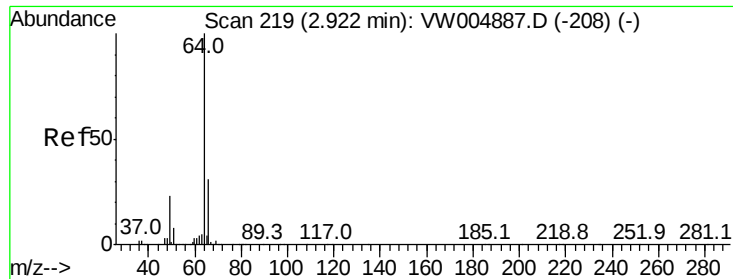
Tgt Ion: 94 Resp: 747020

Ion Ratio Lower Upper

94 100

96 93.5 9.3 177.7

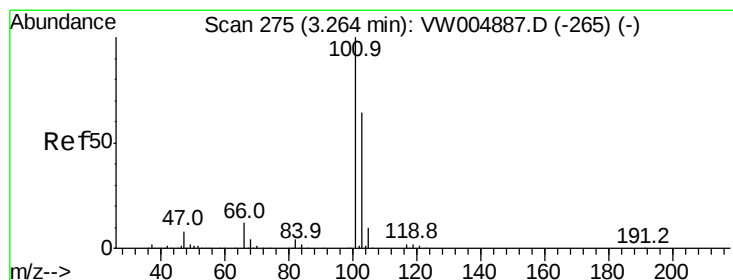
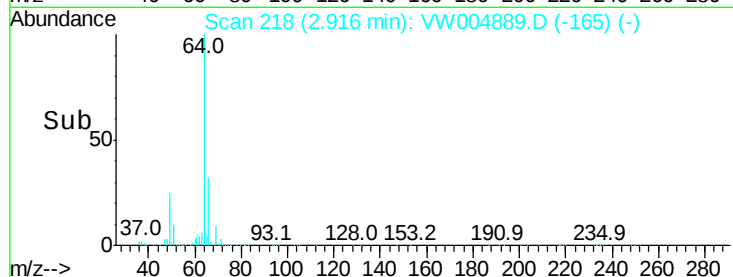
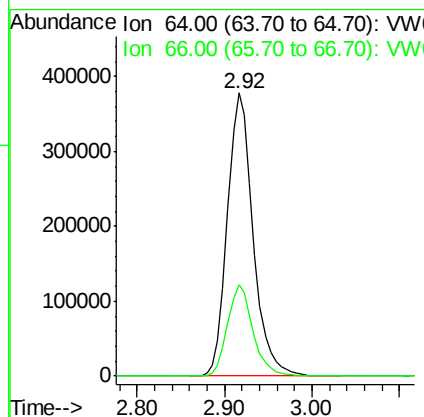
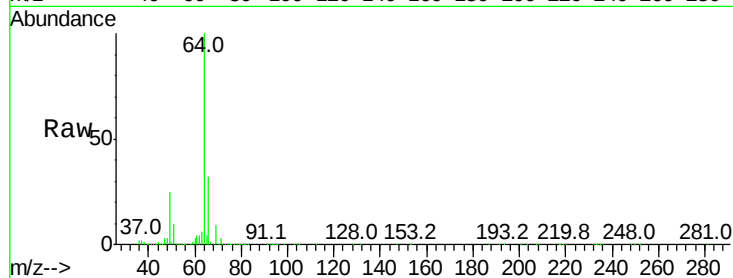




#8
Chloroethane
Concen: 91.566 ug/L
RT: 2.92 min Scan# 218
Delta R.T. -0.01 min
Lab File: VW004889.D
Acq: 22 Aug 2018 17:24

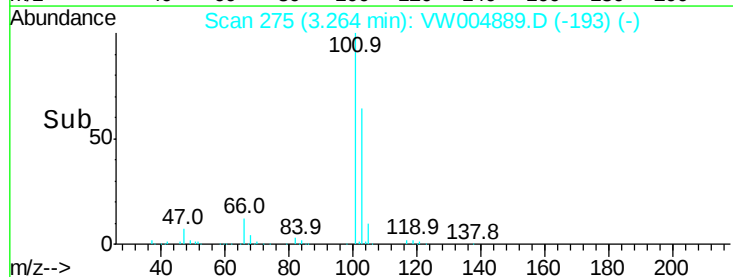
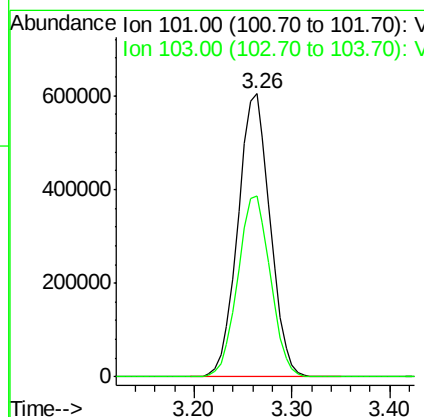
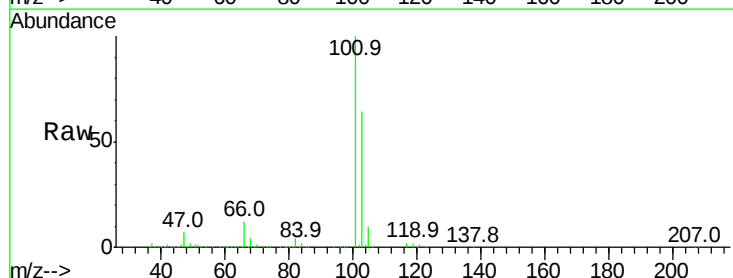
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

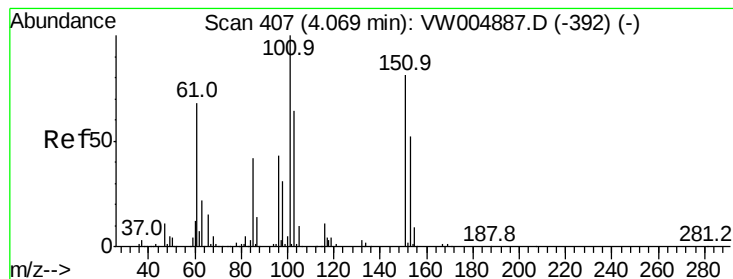
Tgt Ion: 64 Resp: 771547
Ion Ratio Lower Upper
64 100
66 32.2 21.5 39.9



#9
Trichlorofluoromethane
Concen: 90.302 ug/L
RT: 3.26 min Scan# 275
Delta R.T. -0.00 min
Lab File: VW004889.D
Acq: 22 Aug 2018 17:24

Tgt Ion: 101 Resp: 1381385
Ion Ratio Lower Upper
101 100
103 64.7 45.1 83.7





#11

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

Concen: 81.952 ug/L

RT: 4.06 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

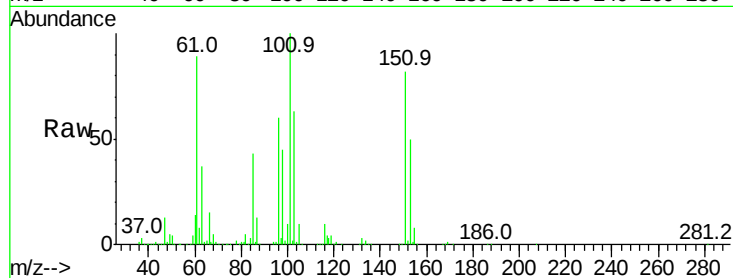
Tgt Ion: 101 Resp: 762895

Ion Ratio Lower Upper

101 100

85 41.8 34.2 51.2

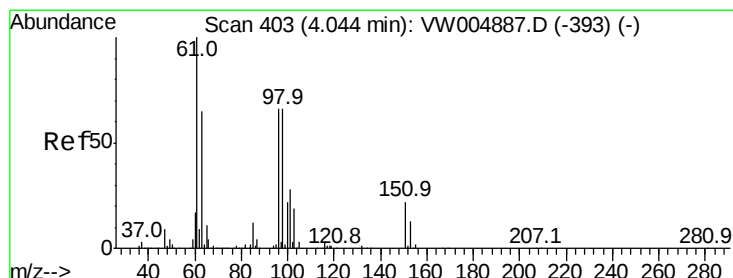
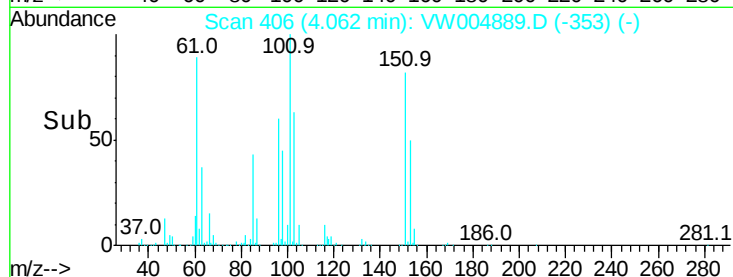
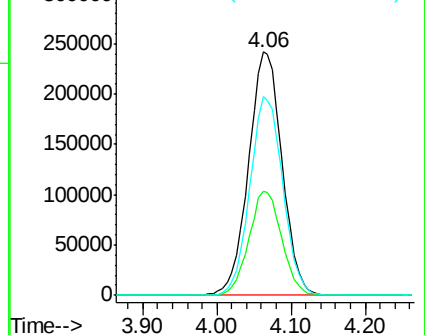
151 80.2 64.1 96.1



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: 94.078 ug/L

RT: 4.04 min Scan# 403

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

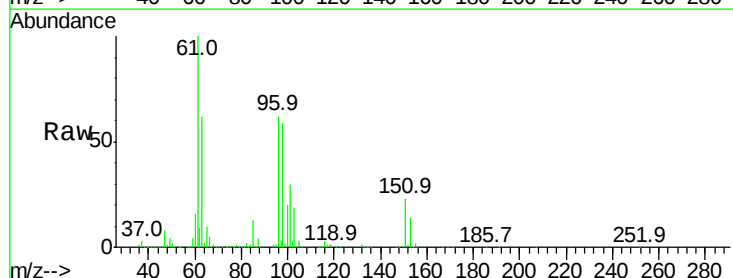
Tgt Ion: 96 Resp: 760968

Ion Ratio Lower Upper

96 100

61 160.5 107.0 198.8

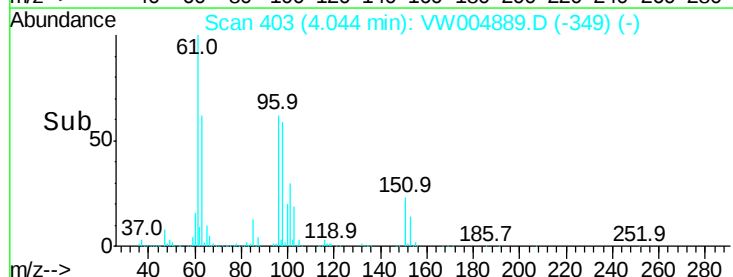
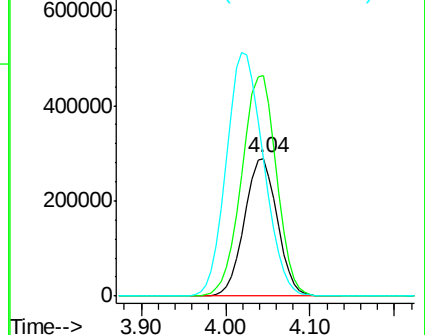
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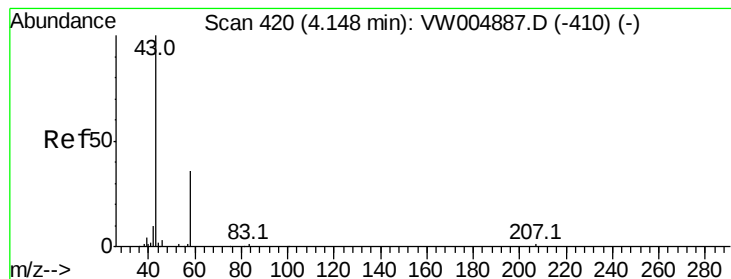


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 174.449 ug/L

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

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ClientSampleId :

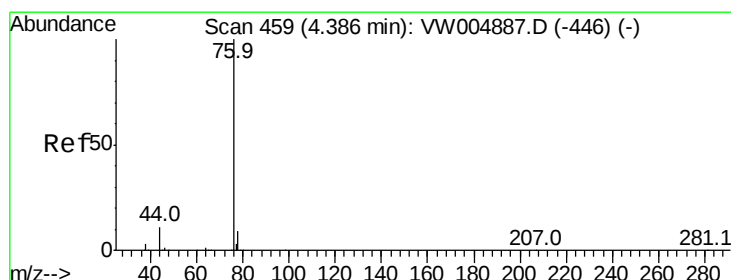
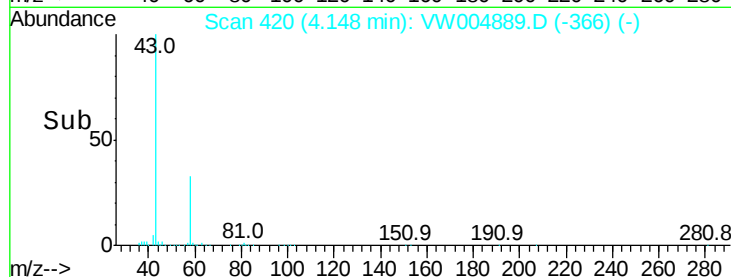
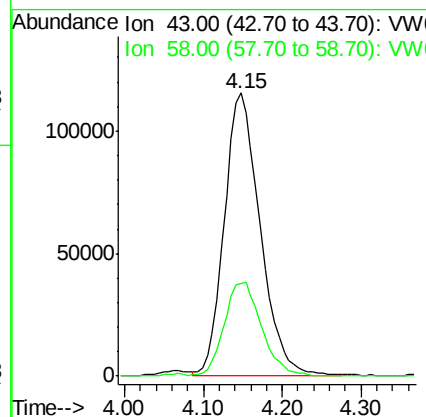
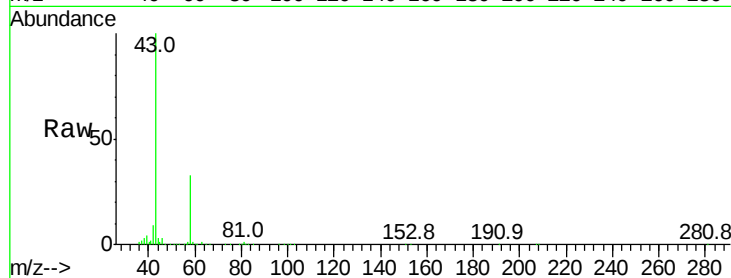
VSTD10085

Tgt Ion: 43 Resp: 366220

Ion Ratio Lower Upper

43 100

58 33.6 0.0 69.4



#14

Carbon disulfide

Concen: 101.328 ug/L

RT: 4.38 min Scan# 458

Delta R.T. -0.01 min

Lab File: VW004889.D

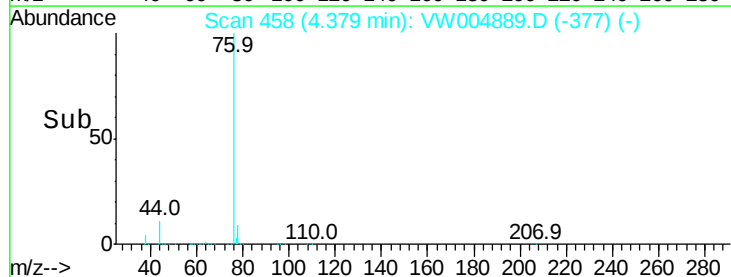
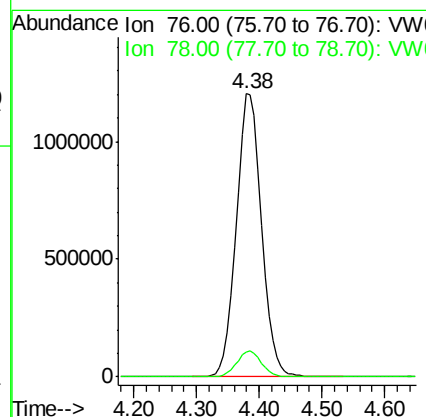
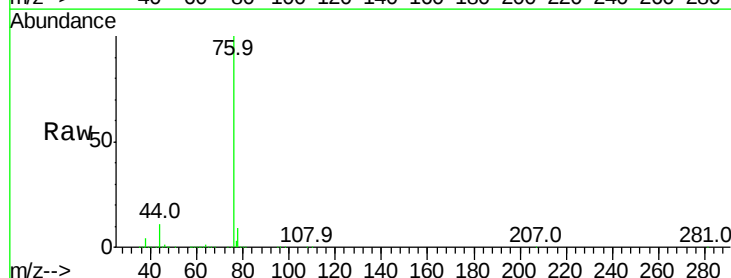
Acq: 22 Aug 2018 17:24

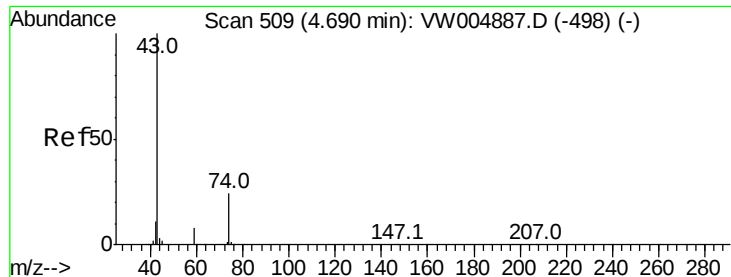
Tgt Ion: 76 Resp: 3346999

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#15

Methyl Acetate

Concen: 104.292 ug/L

RT: 4.68 min Scan# 508

Delta R.T. -0.01 min

Lab File: VW004889.D

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ClientSampleId :

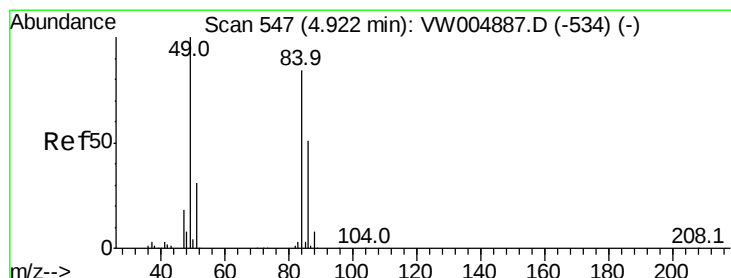
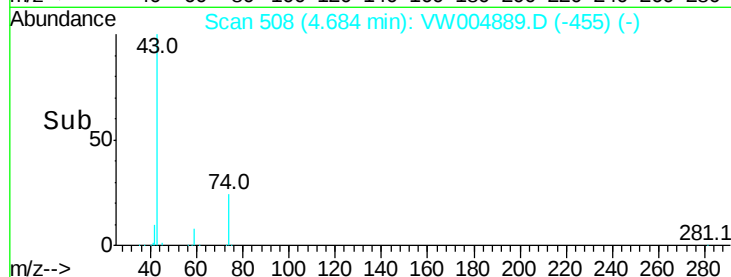
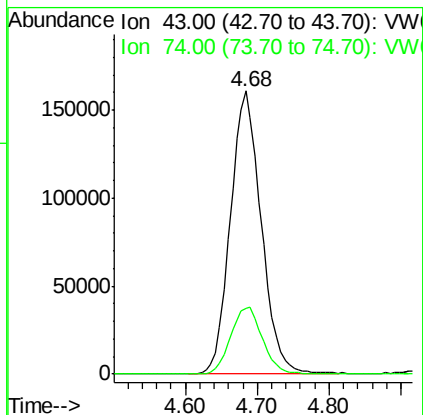
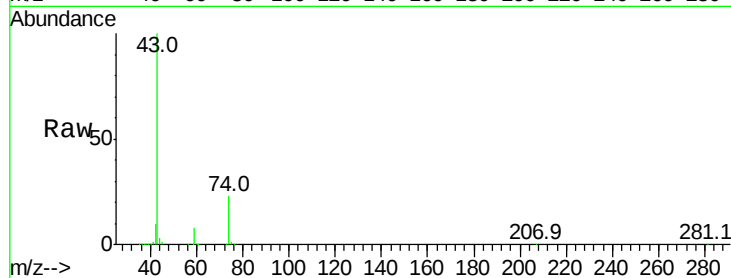
VSTD10085

Tgt Ion: 43 Resp: 478298

Ion Ratio Lower Upper

43 100

74 24.3 18.6 27.8



#16

Methylene chloride

Concen: 74.336 ug/L

RT: 4.92 min Scan# 547

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

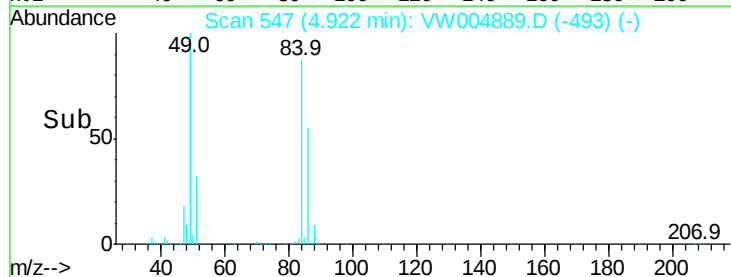
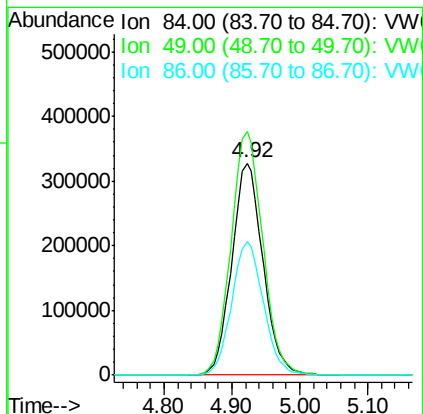
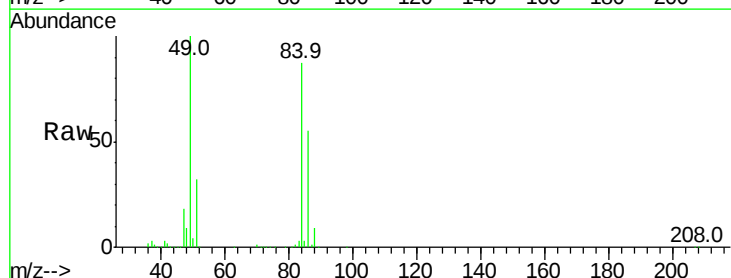
Tgt Ion: 84 Resp: 1043169

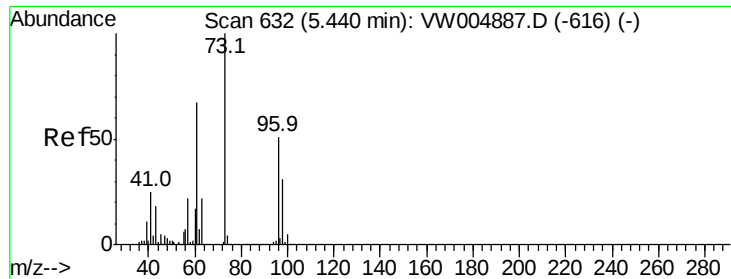
Ion Ratio Lower Upper

84 100

49 114.8 83.8 155.6

86 62.7 42.6 79.0



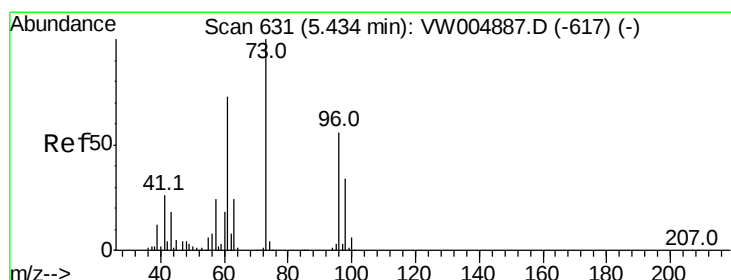
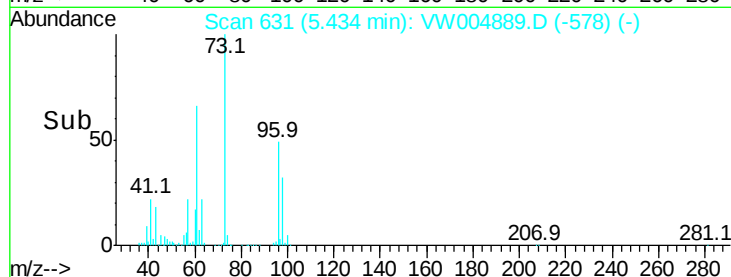
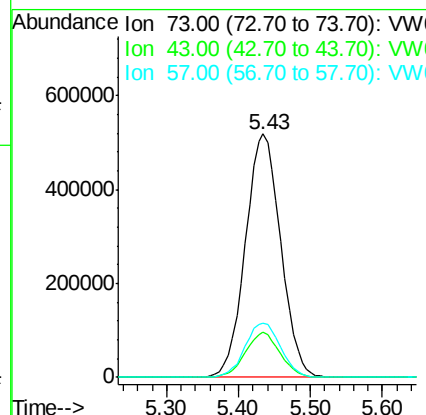
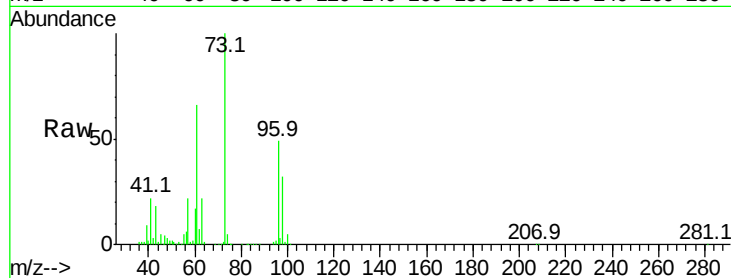


#17
Methyl tert-butyl Ether
Concen: 102.430 ug/L
RT: 5.43 min Scan# 631
Delta R.T. -0.01 min
Lab File: VW004889.D
Acq: 22 Aug 2018 17:24

Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

Tgt Ion: 73 Resp: 1759898

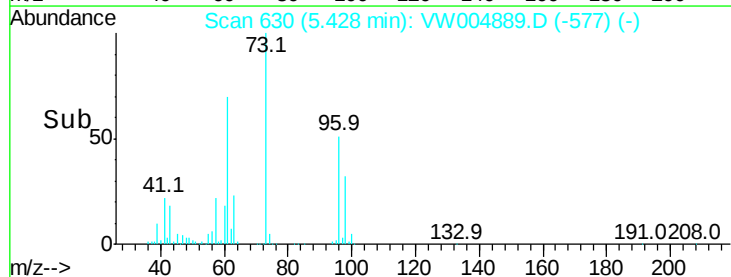
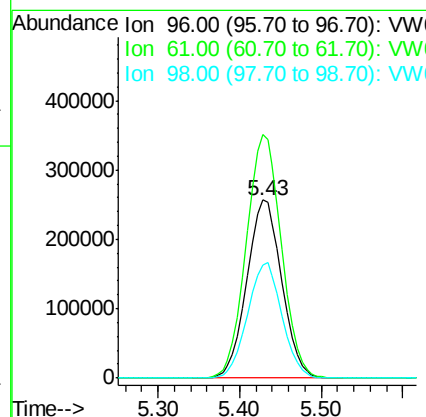
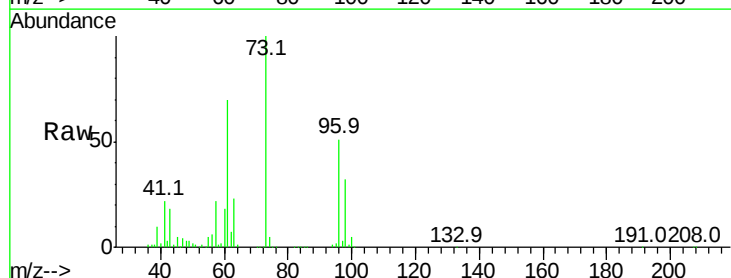
Ion	Ratio	Lower	Upper
73	100		
43	18.2	14.6	22.0
57	22.6	18.2	27.4

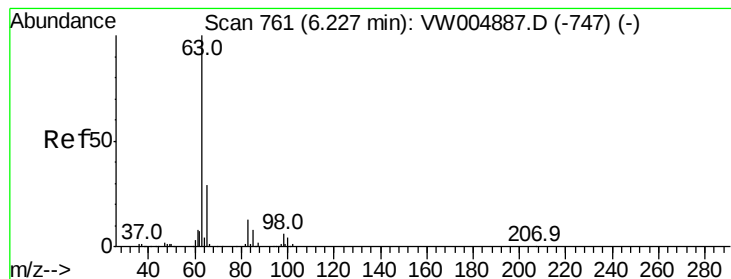


#18
trans-1,2-Dichloroethene
Concen: 89.990 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW004889.D
Acq: 22 Aug 2018 17:24

Tgt Ion: 96 Resp: 764292

Ion	Ratio	Lower	Upper
96	100		
61	136.7	92.5	171.9
98	63.1	42.8	79.4





#19

1,1-Dichloroethane

Concen: 84.902 ug/L

RT: 6.23 min Scan# 761

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

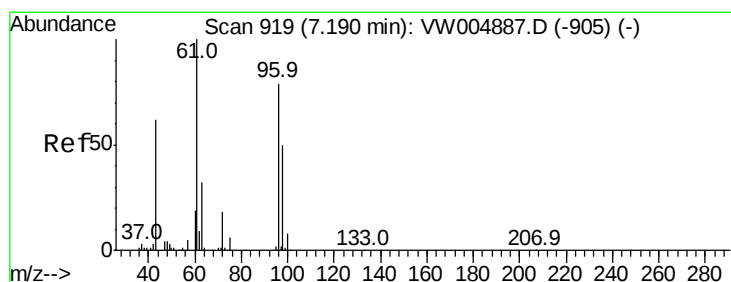
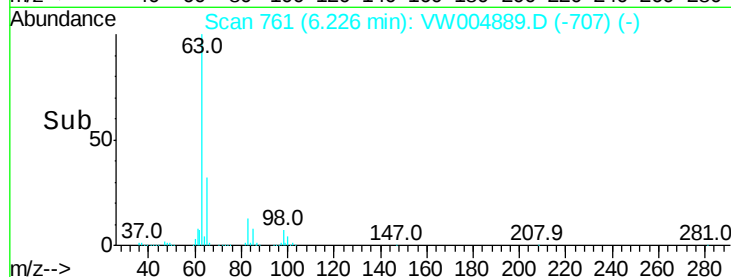
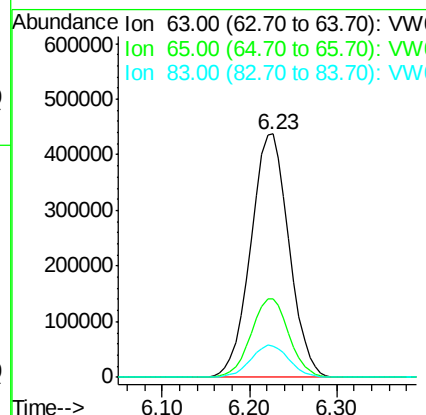
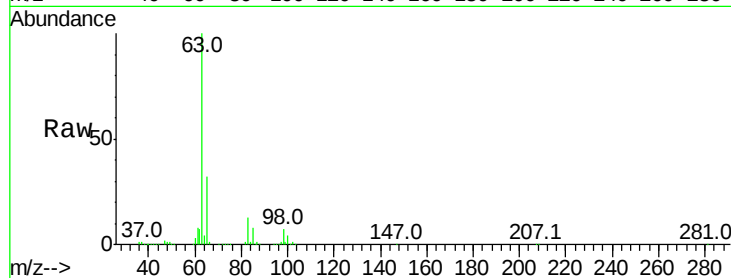
Tgt Ion: 63 Resp: 1330071

Ion Ratio Lower Upper

63 100

65 32.5 20.5 38.1

83 13.0 8.8 16.4



#21

2-Butanone

Concen: 202.427 ug/L

RT: 7.18 min Scan# 918

Delta R.T. -0.01 min

Lab File: VW004889.D

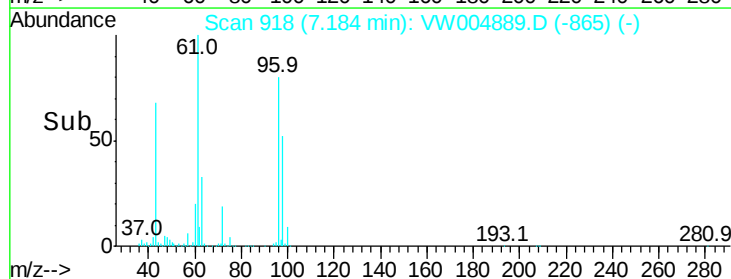
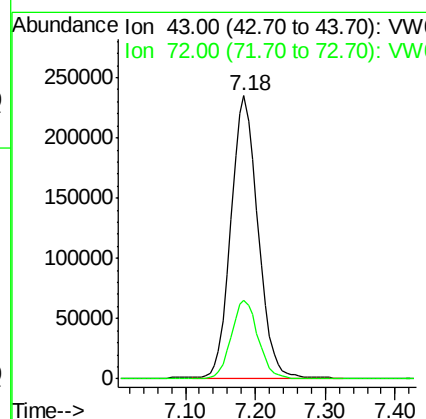
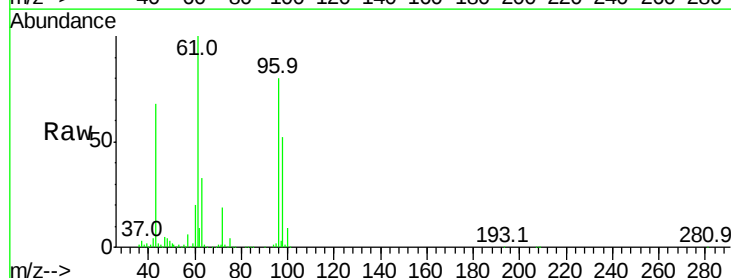
Acq: 22 Aug 2018 17:24

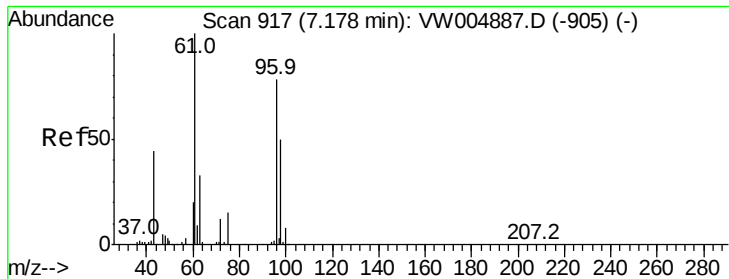
Tgt Ion: 43 Resp: 636097

Ion Ratio Lower Upper

43 100

72 27.5 14.2 42.8



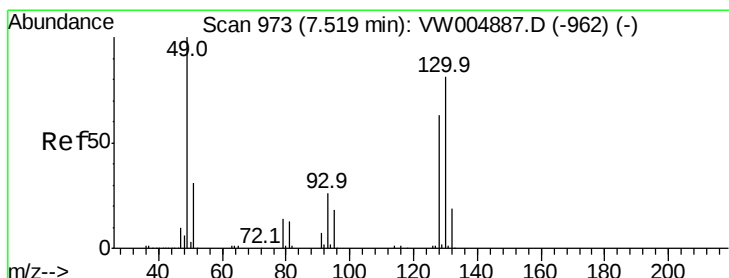
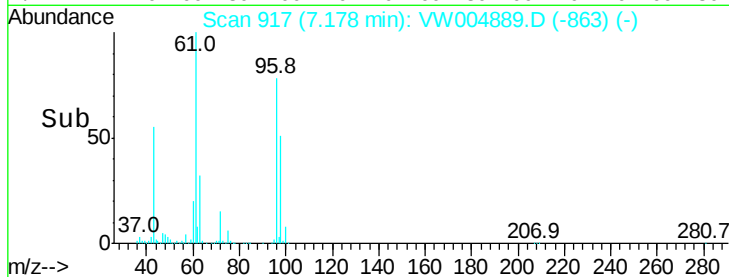
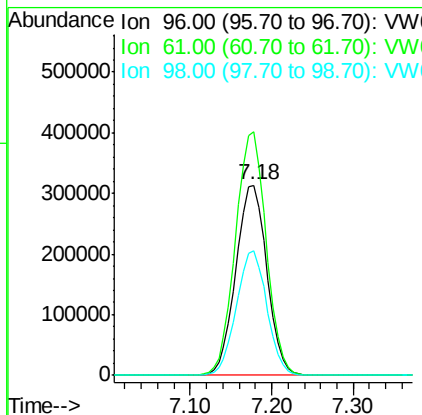
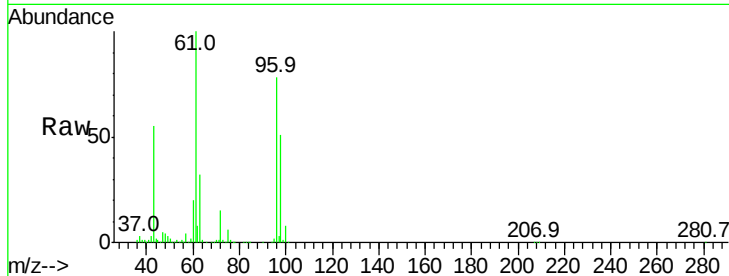


#22

cis-1,2-Dichloroethene
Concen: 90.238 ug/L
RT: 7.18 min Scan# 917
Delta R.T. -0.00 min
Lab File: VW004889.D
Acq: 22 Aug 2018 17:24

Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

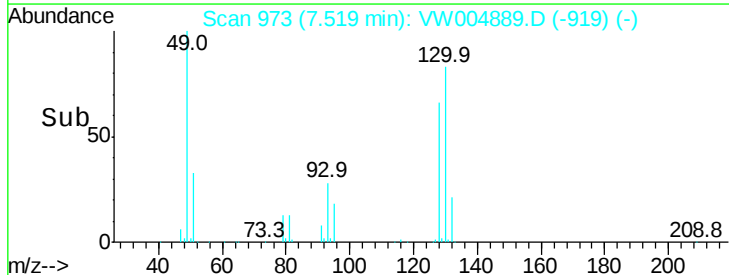
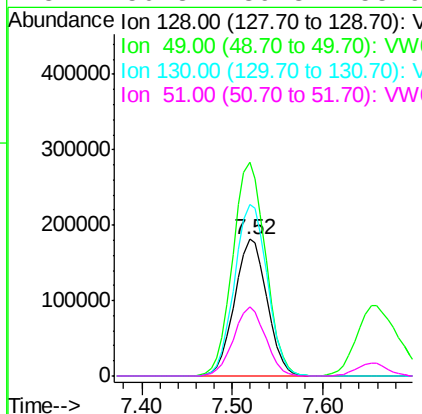
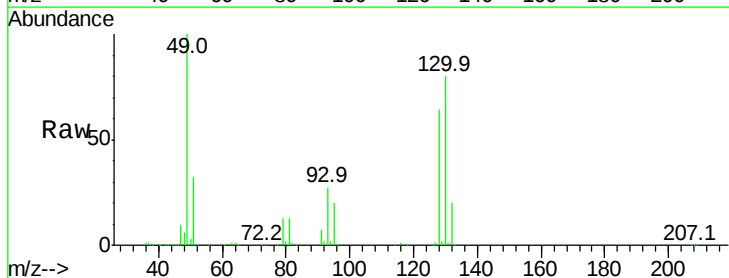
Tgt Ion: 96 Resp: 826603
Ion Ratio Lower Upper
96 100
61 127.9 89.7 166.7
98 65.7 45.0 83.6

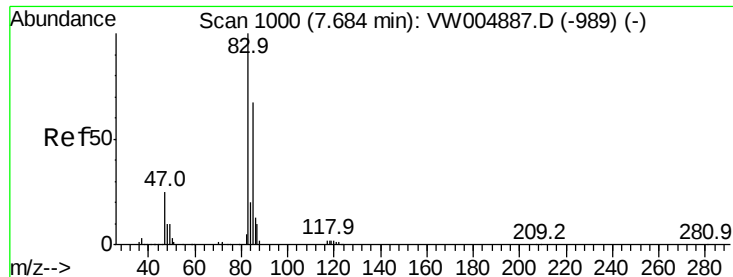


#23

Bromochloromethane
Concen: 93.985 ug/L
RT: 7.52 min Scan# 973
Delta R.T. -0.00 min
Lab File: VW004889.D
Acq: 22 Aug 2018 17:24

Tgt Ion: 128 Resp: 451159
Ion Ratio Lower Upper
128 100
49 156.2 111.3 206.7
130 125.2 90.2 167.6
51 50.3 39.3 58.9





#25

Chloroform

Concen: 82.258 ug/L

RT: 7.68 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

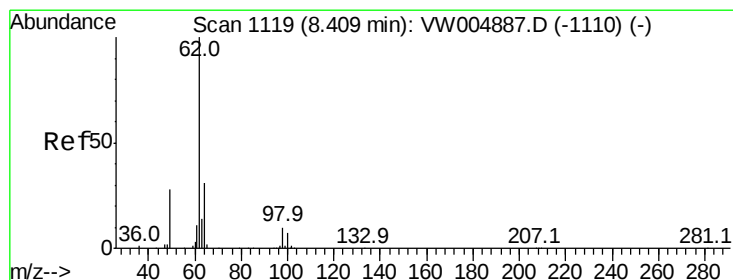
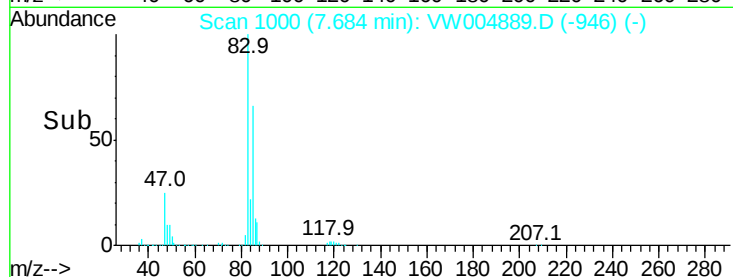
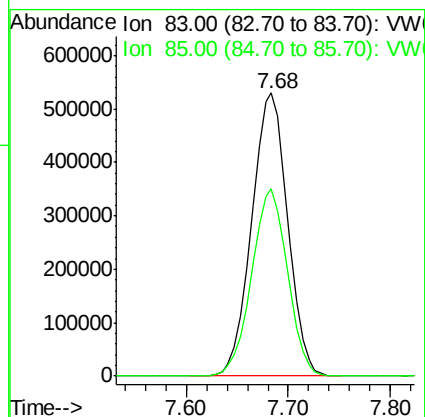
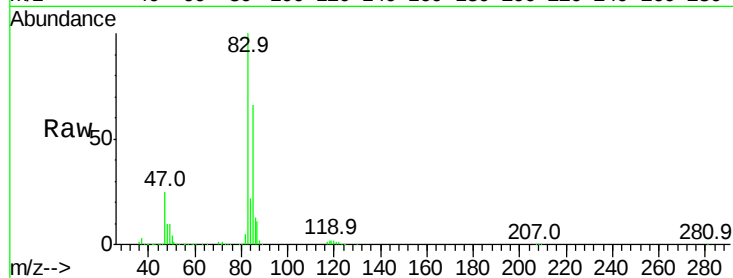
VSTD10085

Tgt Ion: 83 Resp: 1298660

Ion Ratio Lower Upper

83 100

85 66.1 46.3 85.9



#27

1,2-Dichloroethane

Concen: 82.658 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.01 min

Lab File: VW004889.D

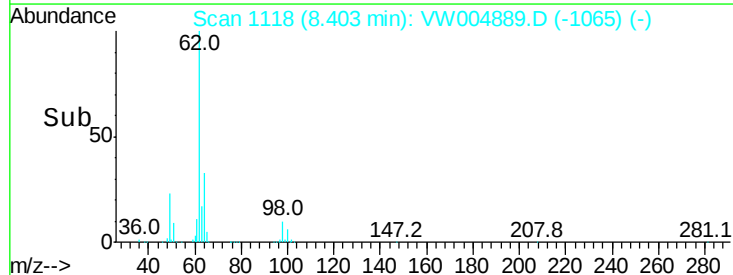
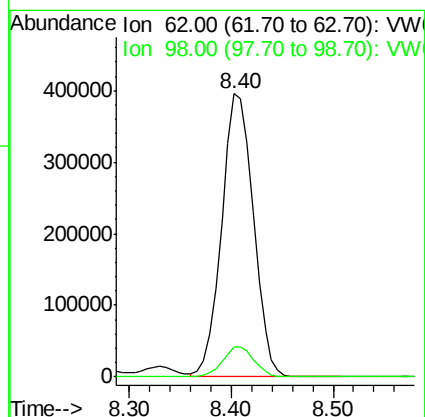
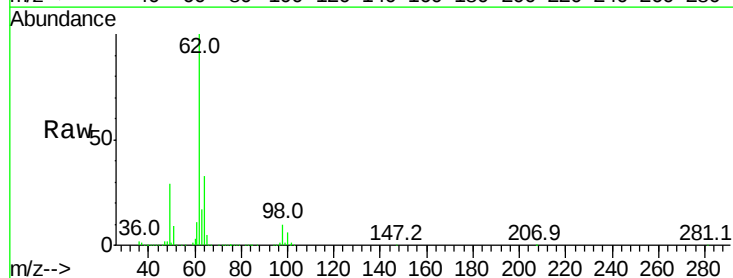
Acq: 22 Aug 2018 17:24

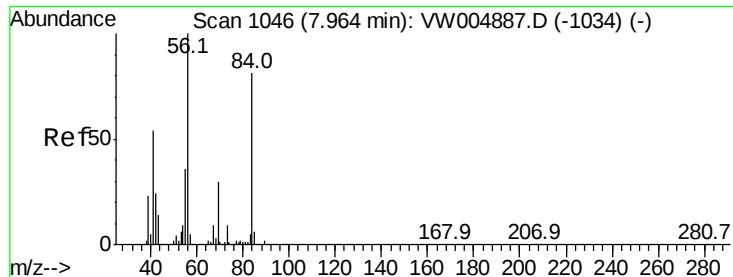
Tgt Ion: 62 Resp: 854643

Ion Ratio Lower Upper

62 100

98 10.4 8.0 12.0

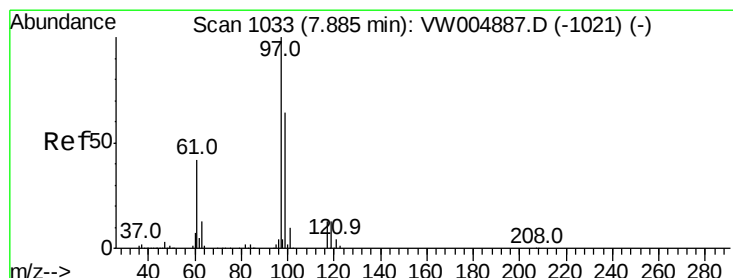
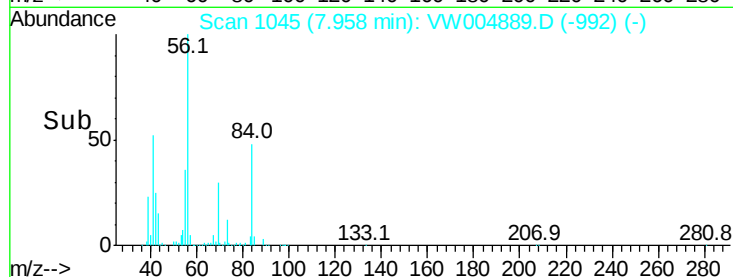
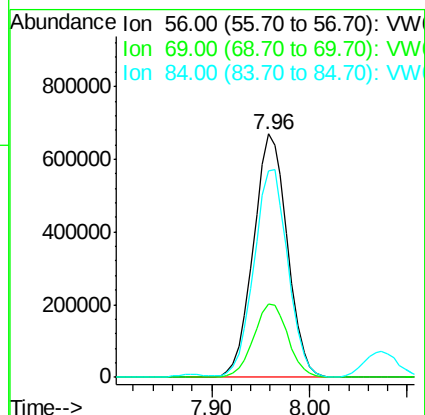
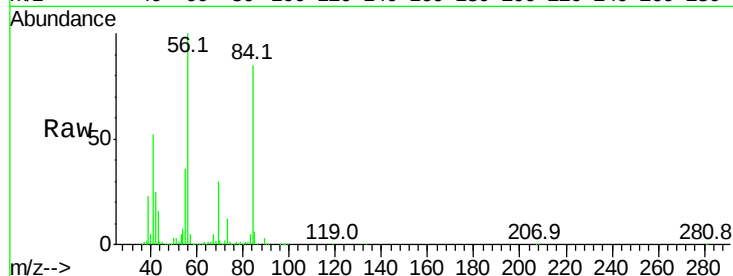




#30
Cyclohexane
Concen: 116.673 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VW004889.D
Acq: 22 Aug 2018 17:24

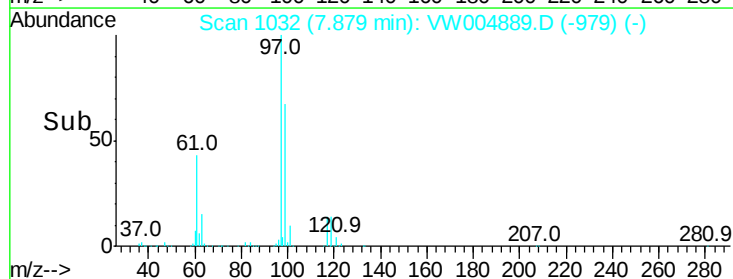
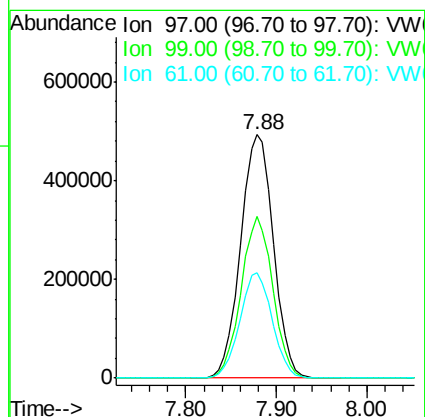
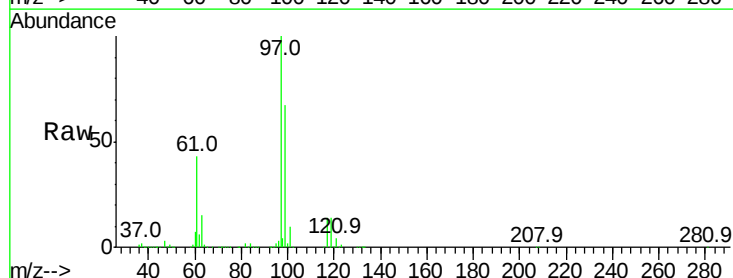
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

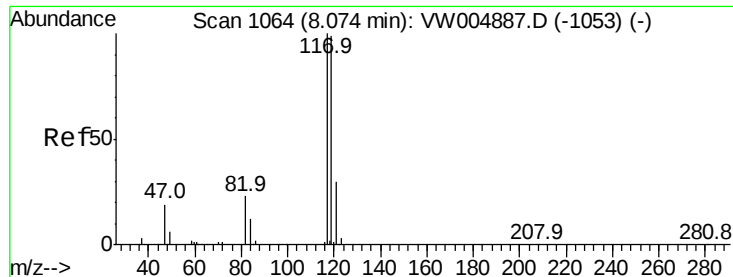
Tgt Ion: 56 Resp: 1619794
Ion Ratio Lower Upper
56 100
69 30.5 24.1 36.1
84 85.8 67.7 101.5



#31
1,1,1-Trichloroethane
Concen: 94.157 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VW004889.D
Acq: 22 Aug 2018 17:24

Tgt Ion: 97 Resp: 1236666
Ion Ratio Lower Upper
97 100
99 64.4 51.2 76.8
61 42.7 34.9 52.3





#32

Carbon tetrachloride

Concen: 96.690 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

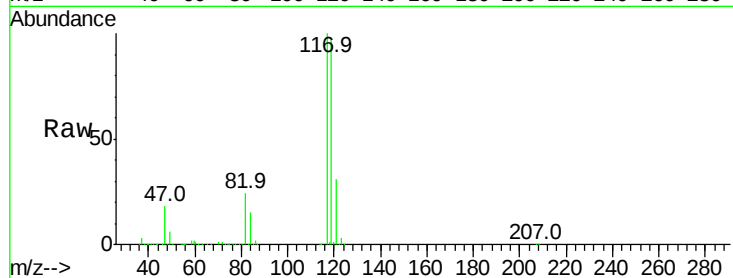
VSTD10085

Tgt Ion:117 Resp: 1130098

Ion Ratio Lower Upper

117 100

119 96.6 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

500000

400000

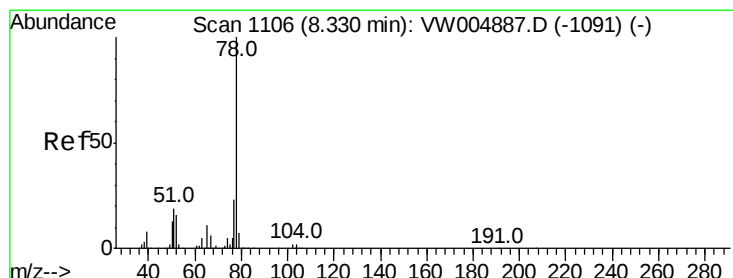
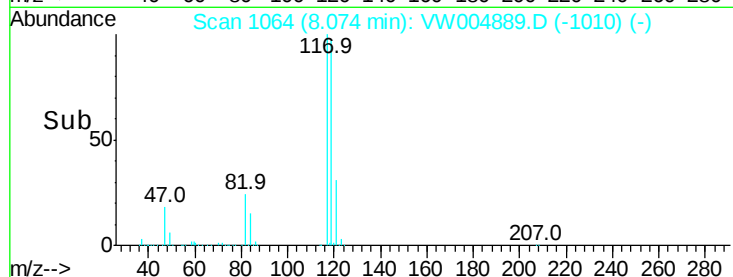
300000

200000

100000

0

Time-->



#34

Benzene

Concen: 104.736 ug/L

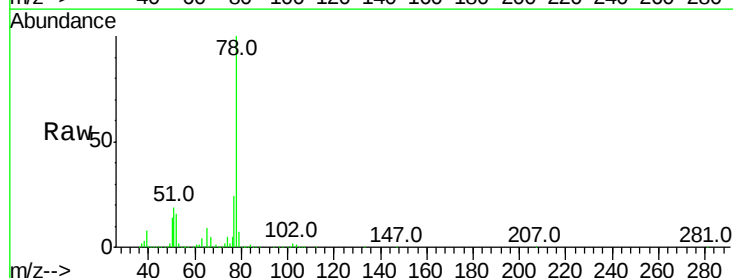
RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Tgt Ion: 78 Resp: 3986848



Abundance Ion 78.00 (77.70 to 78.70): VW

2000000

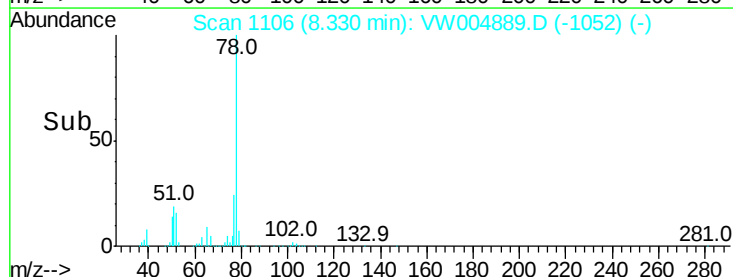
1500000

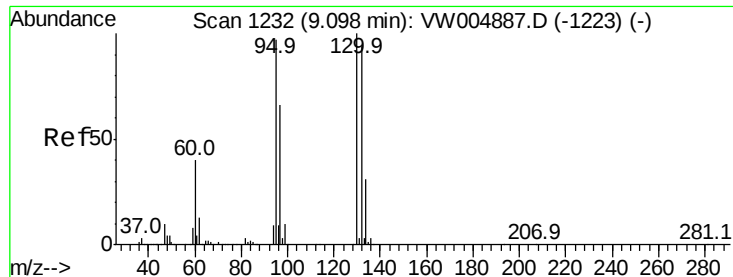
1000000

500000

0

Time-->





#35

Trichloroethene

Concen: 103.882 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

Tgt Ion: 95 Resp: 984954

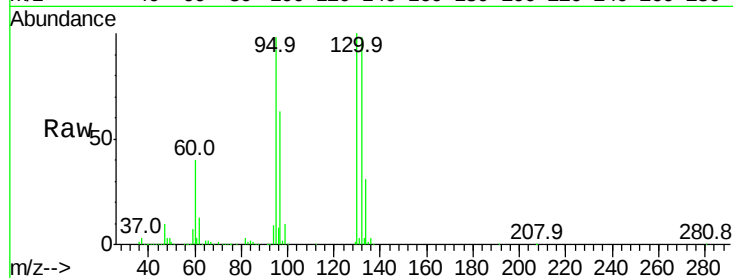
Ion Ratio Lower Upper

95 100

97 64.6 45.9 85.3

132 98.8 69.2 128.4

130 102.1 72.7 135.1

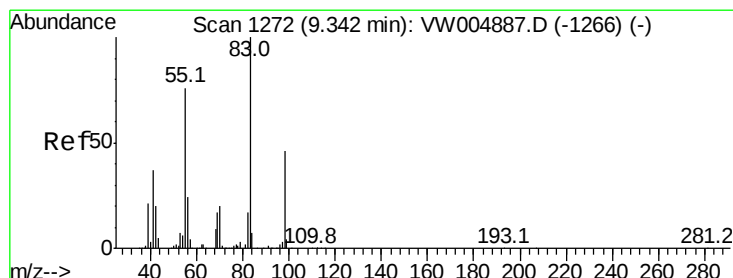
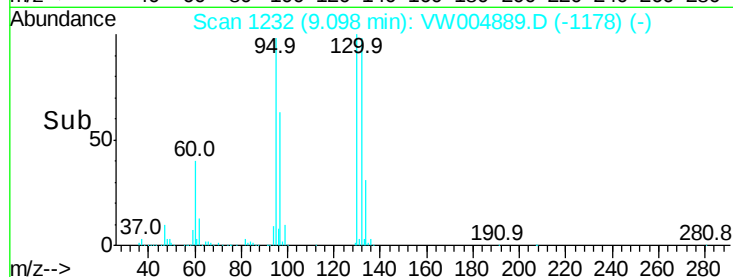
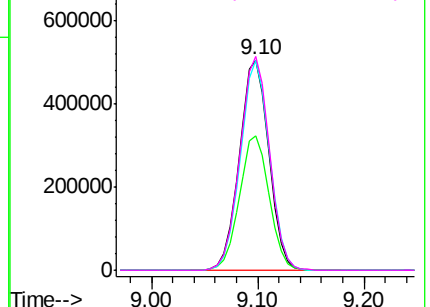


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 122.207 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

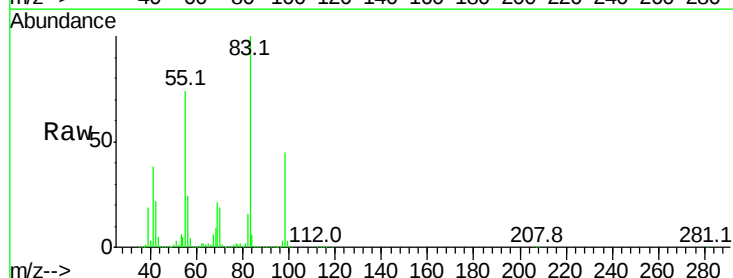
Tgt Ion: 83 Resp: 2067983

Ion Ratio Lower Upper

83 100

55 75.7 61.1 91.7

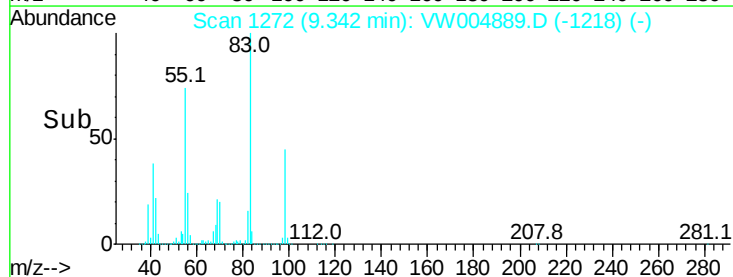
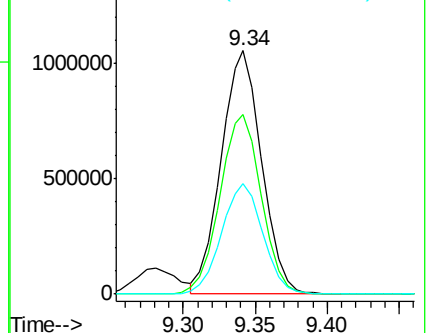
98 46.3 37.0 55.4

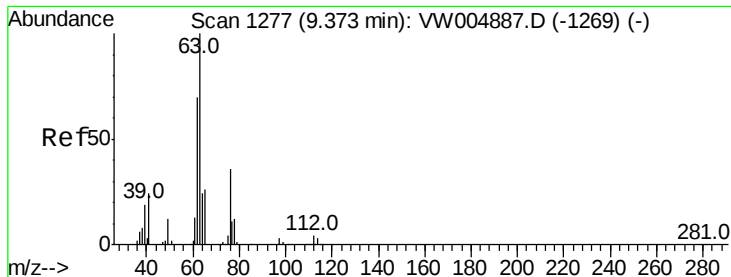


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 99.256 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Instrument :

MSVOA_W

ClientSampled :

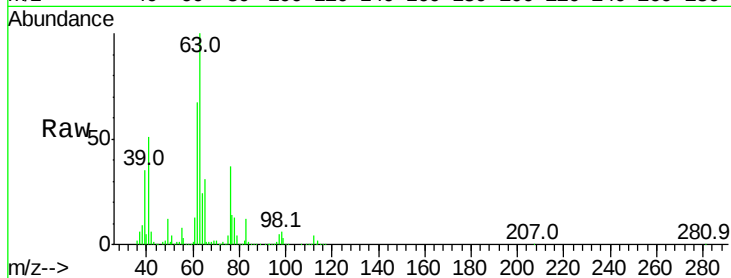
VSTD10085

Tgt Ion: 63 Resp: 939619

Ion Ratio Lower Upper

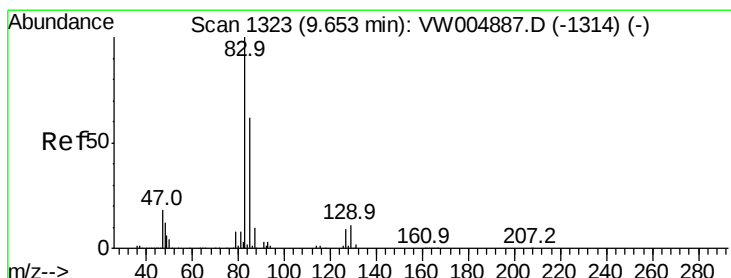
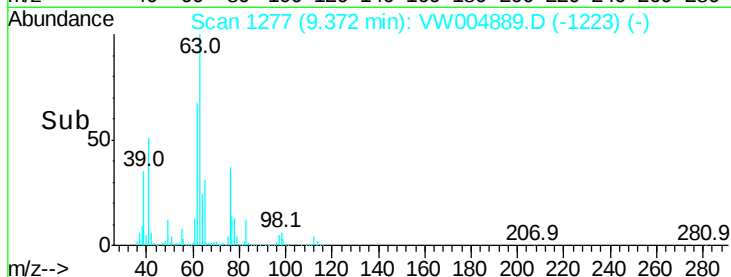
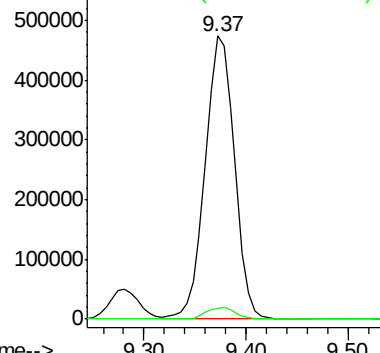
63 100

112 4.1 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 93.252 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

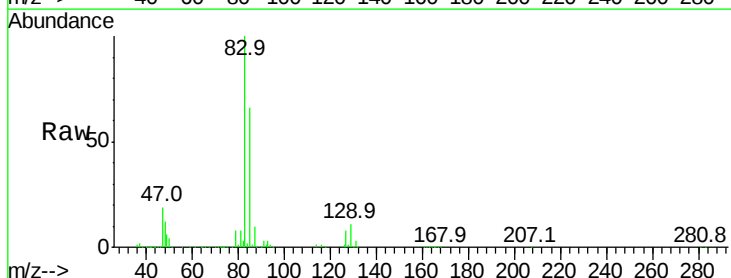
Tgt Ion: 83 Resp: 984553

Ion Ratio Lower Upper

83 100

85 66.3 43.6 81.0

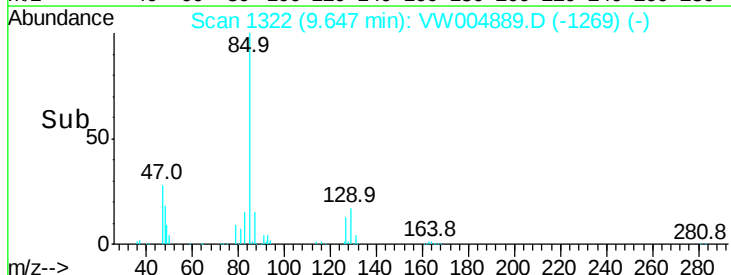
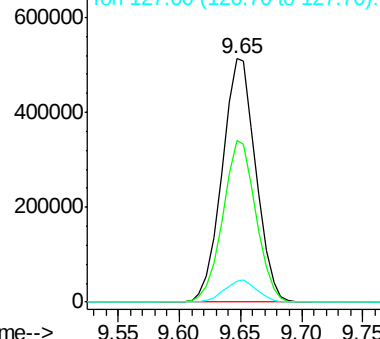
127 8.5 7.0 10.6

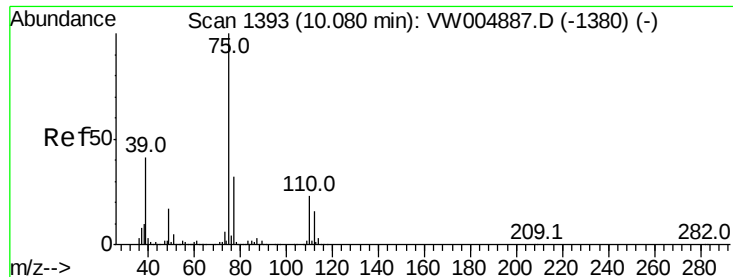


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 111.984 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

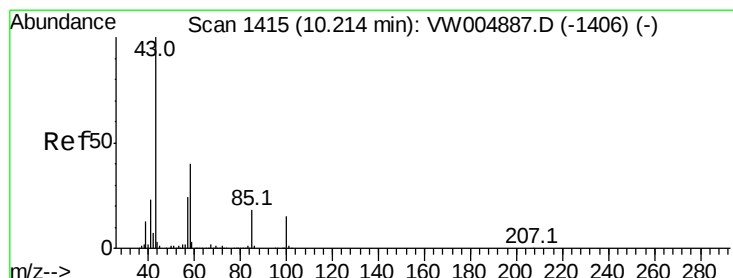
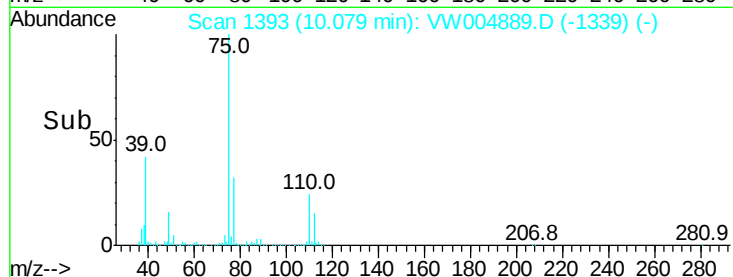
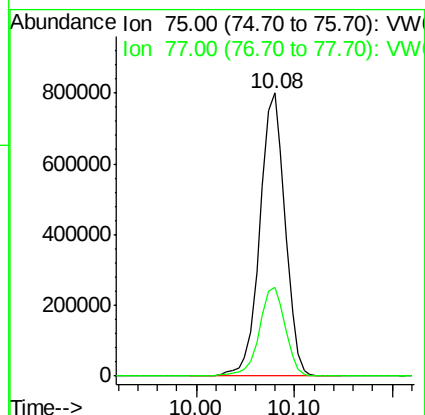
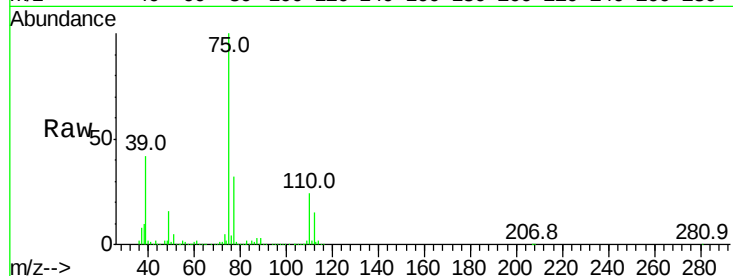
VSTD10085

Tgt Ion: 75 Resp: 1434978

Ion Ratio Lower Upper

75 100

77 31.6 22.4 41.6



#43

4-Methyl-2-pentanone

Concen: 263.198 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

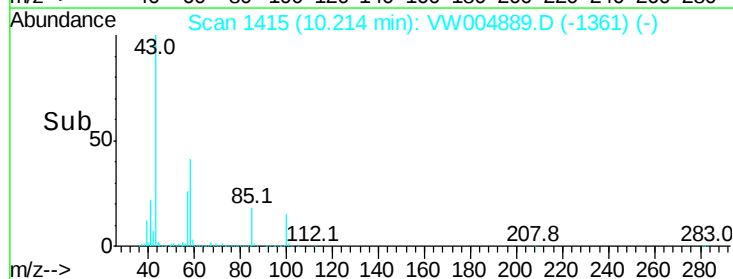
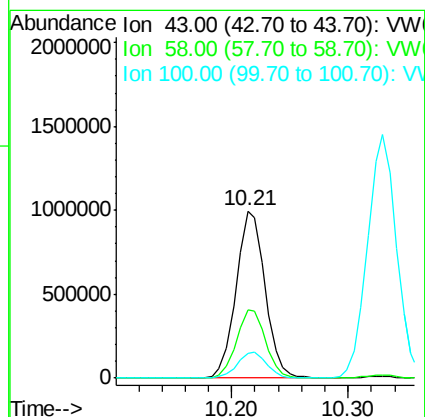
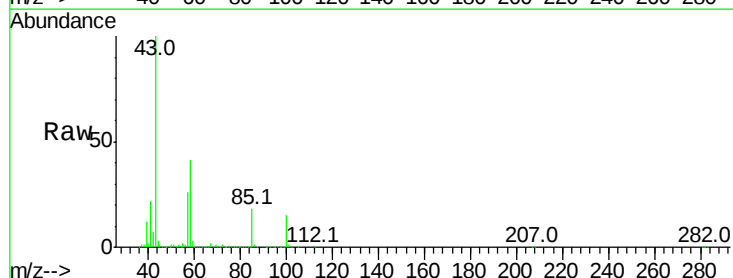
Tgt Ion: 43 Resp: 1727400

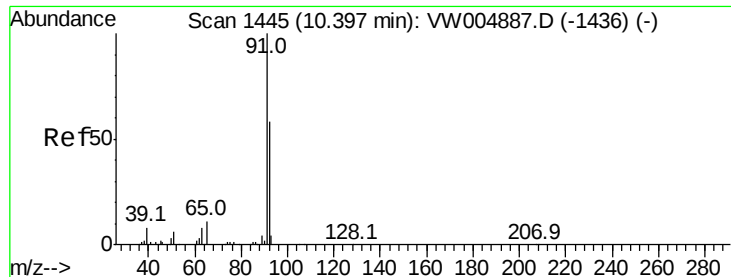
Ion Ratio Lower Upper

43 100

58 41.1 32.1 48.1

100 15.9 12.6 18.8





#44

Toluene

Concen: 105.857 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

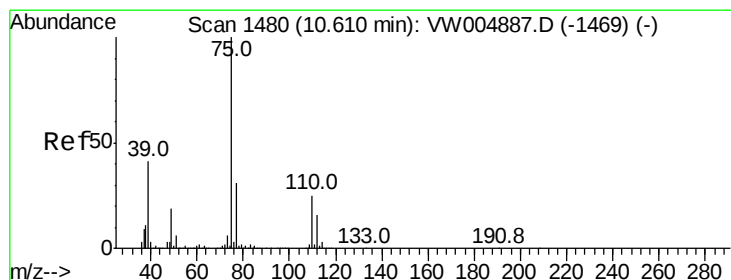
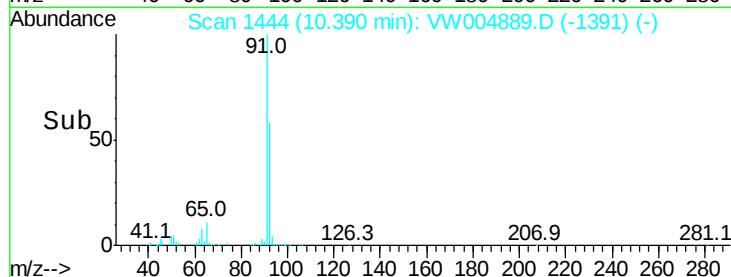
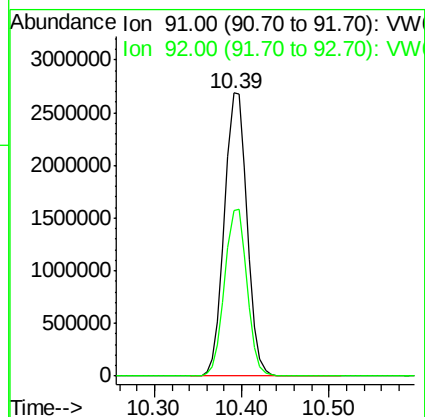
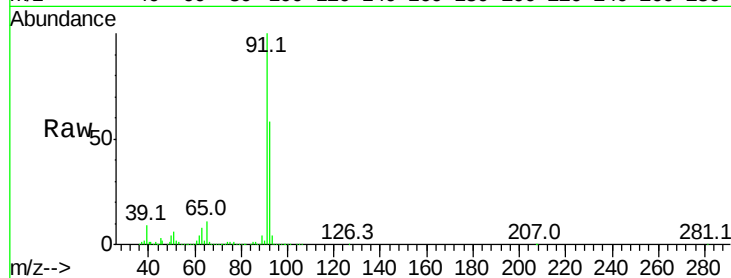
VSTD10085

Tgt Ion: 91 Resp: 4828400

Ion Ratio Lower Upper

91 100

92 58.4 40.6 75.4



#45

trans-1,3-Dichloropropene

Concen: 114.774 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004889.D

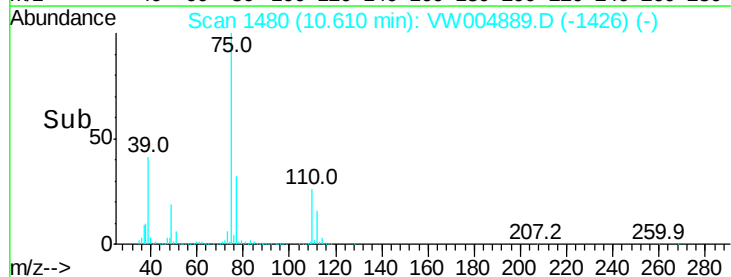
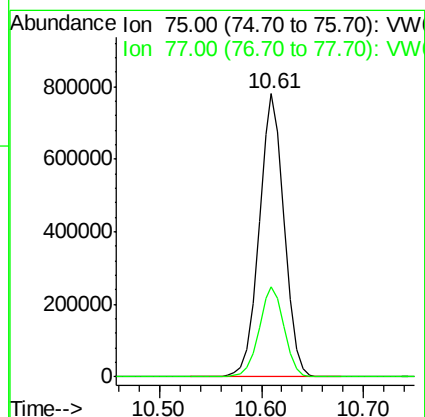
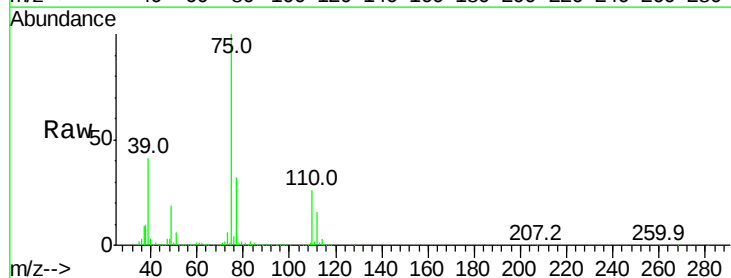
Acq: 22 Aug 2018 17:24

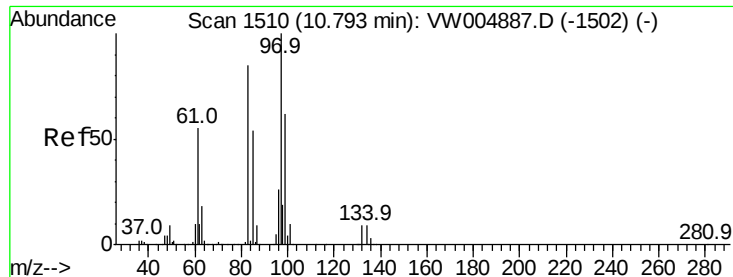
Tgt Ion: 75 Resp: 1326648

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2

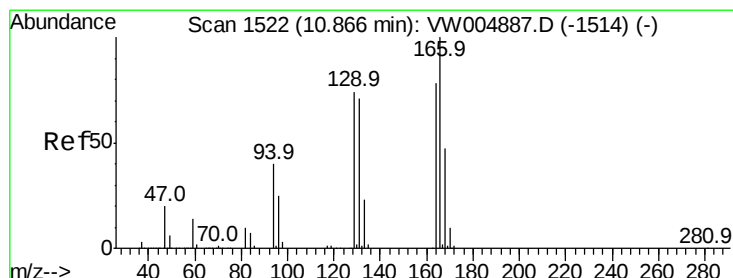
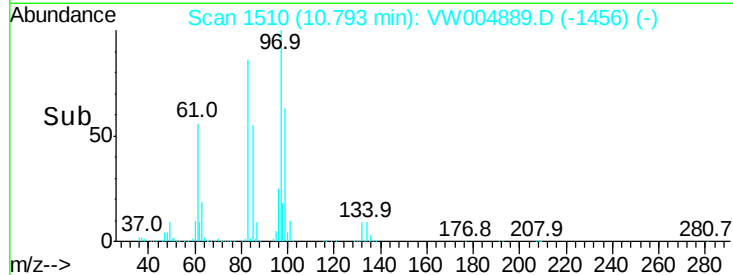
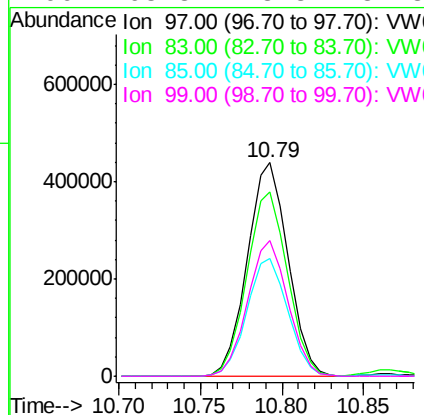
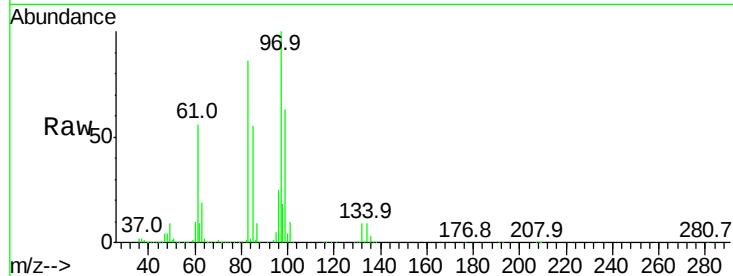




#46
 1,1,2-Trichloroethane
 Concen: 104.027 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004889.D
 Acq: 22 Aug 2018 17:24

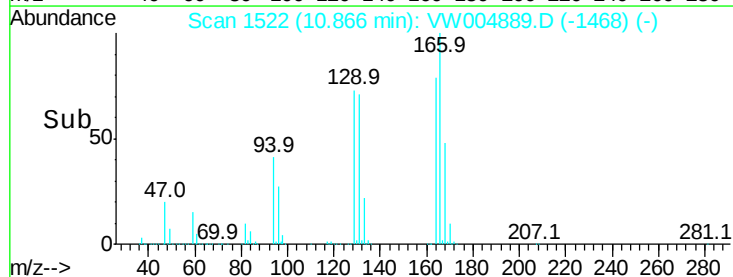
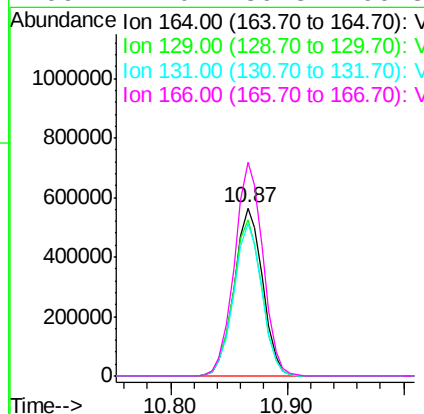
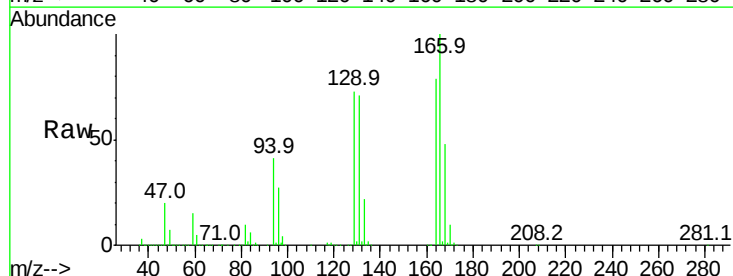
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

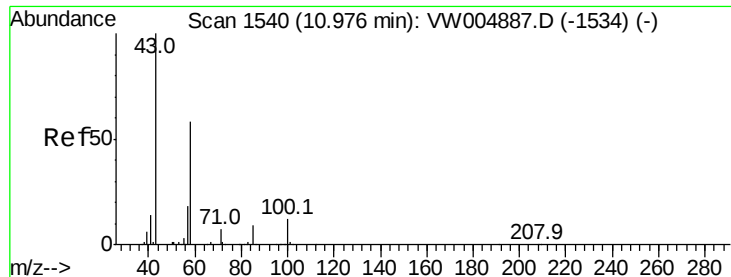
Tgt Ion:	97	Resp:	761386
Ion	Ratio	Lower	Upper
97	100		
83	86.1	59.6	110.8
85	55.2	38.1	70.9
99	63.3	43.8	81.3



#47
 Tetrachloroethene
 Concen: 103.737 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004889.D
 Acq: 22 Aug 2018 17:24

Tgt Ion:	164	Resp:	963203
Ion	Ratio	Lower	Upper
164	100		
129	93.2	66.8	124.0
131	90.7	64.0	119.0
166	127.0	89.8	166.8



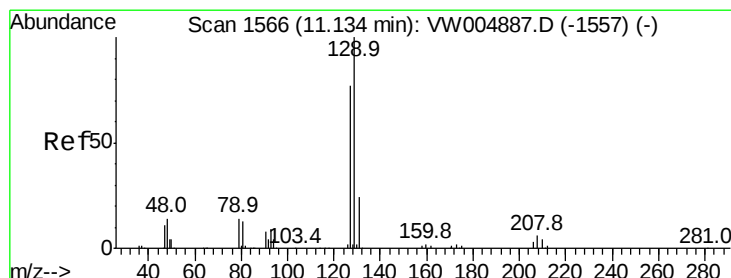
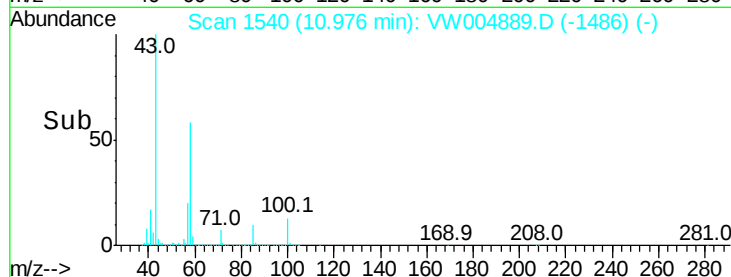
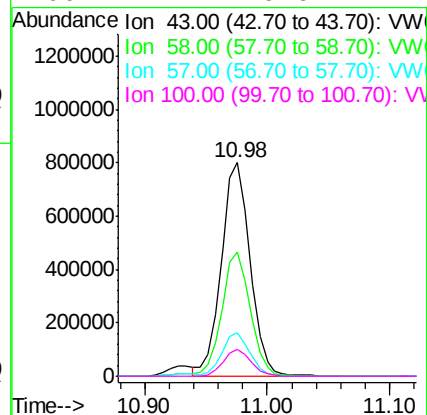
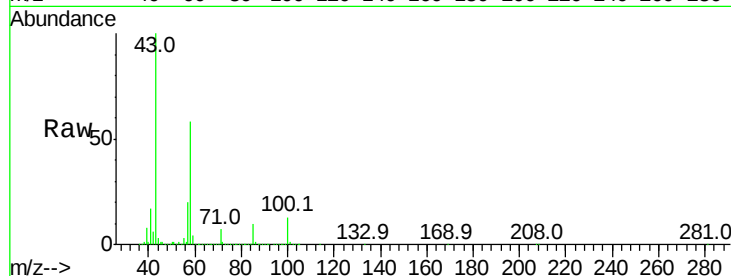


#49
2-Hexanone
Concen: 258.808 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004889.D
Acq: 22 Aug 2018 17:24

Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

Tgt Ion: 43 Resp: 1318072

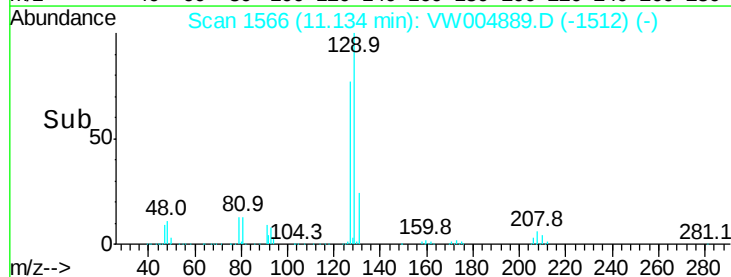
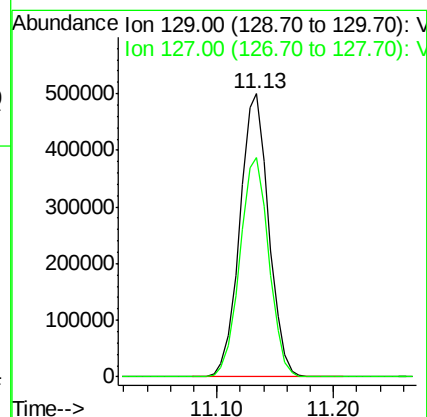
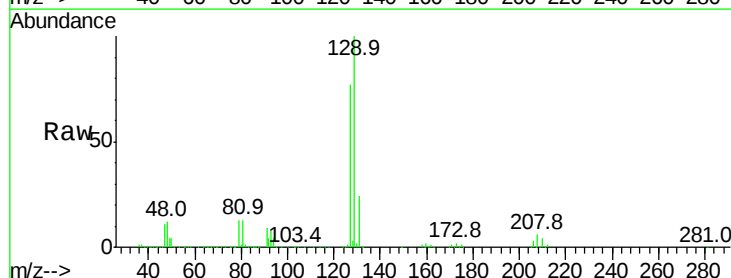
Ion	Ratio	Lower	Upper
43	100		
58	58.3	44.6	67.0
57	19.5	15.4	23.2
100	12.1	9.6	14.4

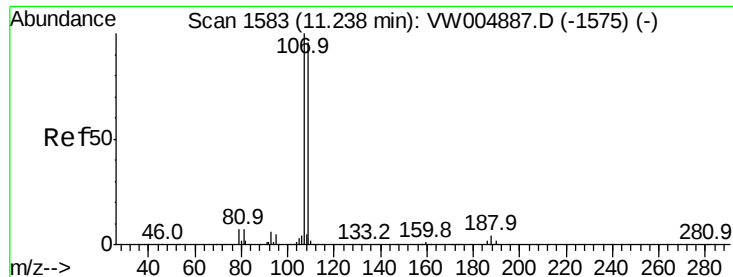


#50
Dibromochloromethane
Concen: 106.788 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004889.D
Acq: 22 Aug 2018 17:24

Tgt Ion: 129 Resp: 863010

Ion	Ratio	Lower	Upper
129	100		
127	77.3	53.8	99.8

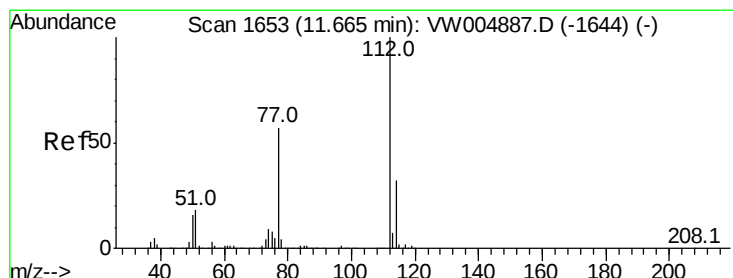
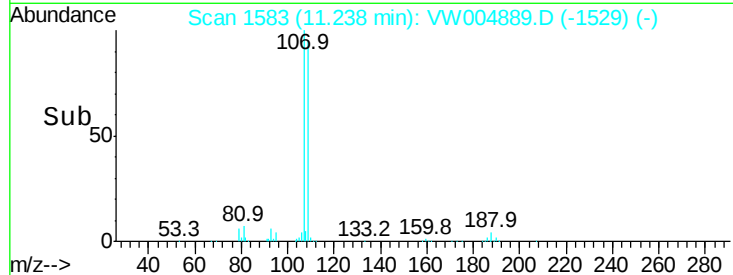
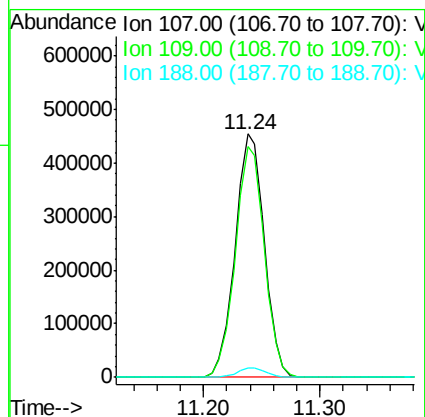
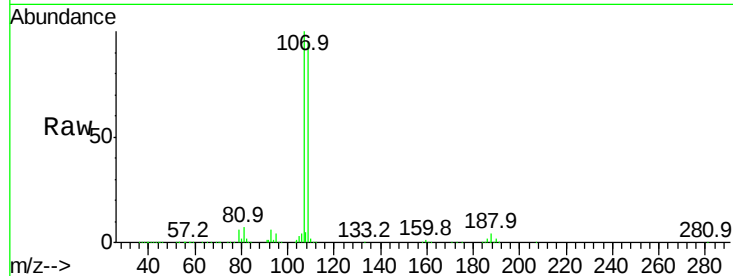




#51
 1,2-Dibromoethane
 Concen: 111.855 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004889.D
 Acq: 22 Aug 2018 17:24

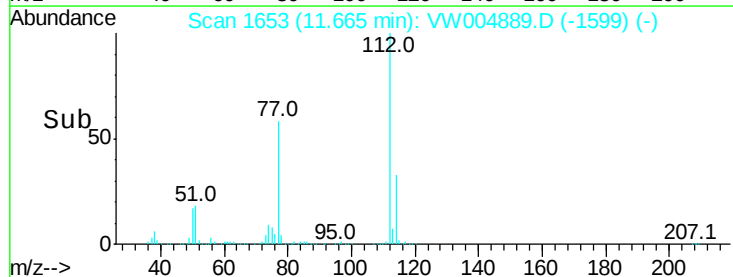
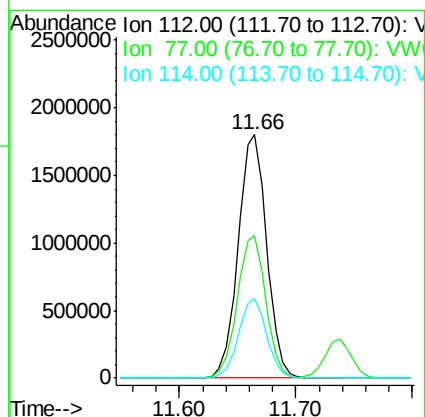
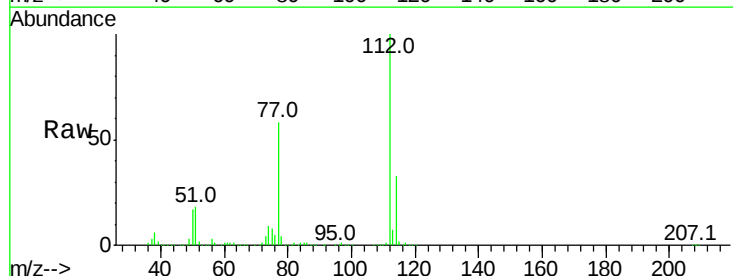
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

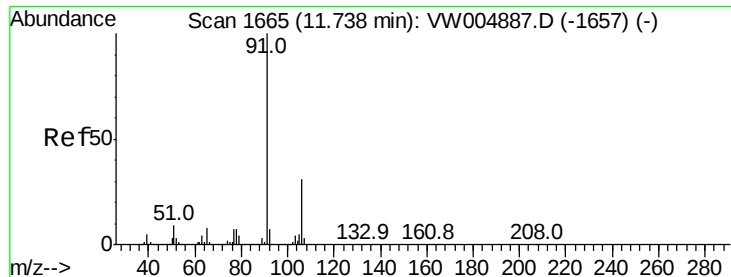
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.6	67.3	124.9
188	3.7	3.0	4.6



#52
 Chlorobenzene
 Concen: 100.296 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VW004889.D
 Acq: 22 Aug 2018 17:24

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.5	45.8	68.8
114	32.6	22.5	41.7





#53

Ethylbenzene

Concen: 108.441 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

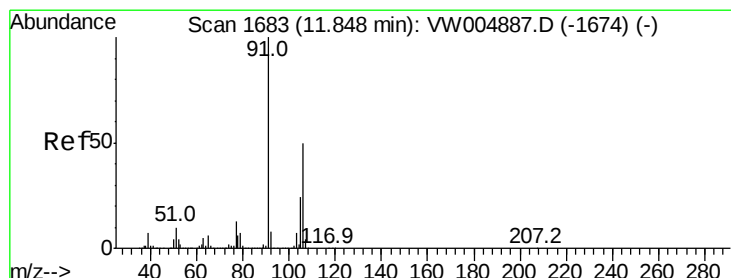
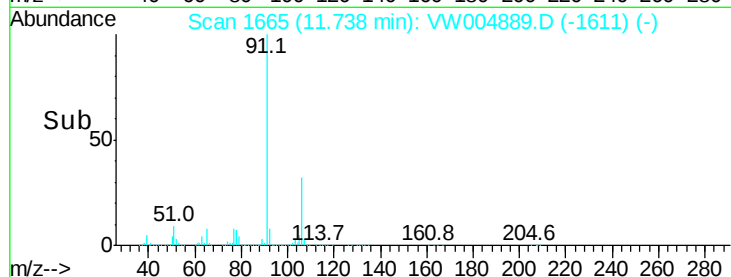
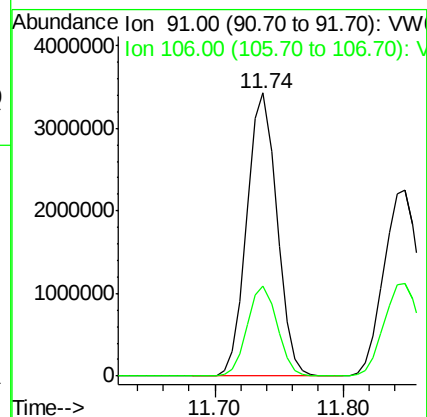
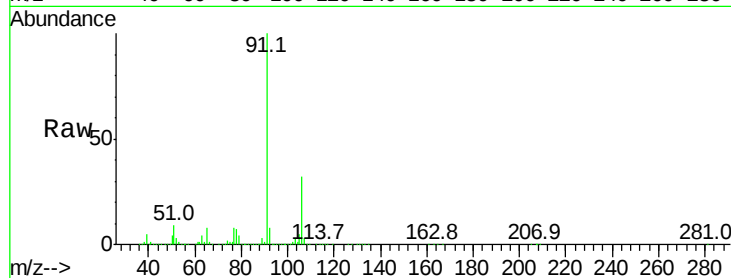
VSTD10085

Tgt Ion: 91 Resp: 5537508

Ion Ratio Lower Upper

91 100

106 31.7 21.6 40.2



#54

m,p-Xylene

Concen: 109.228 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004889.D

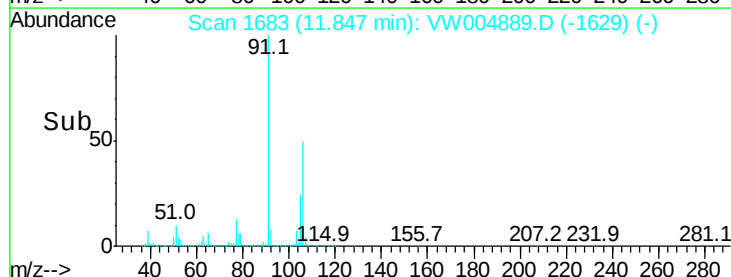
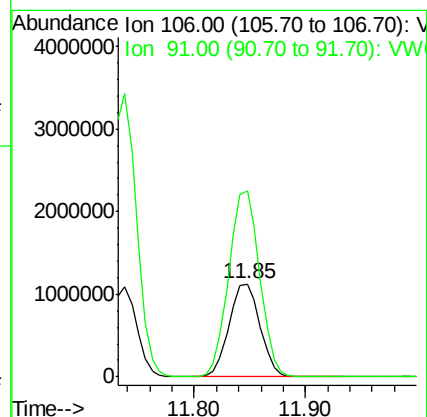
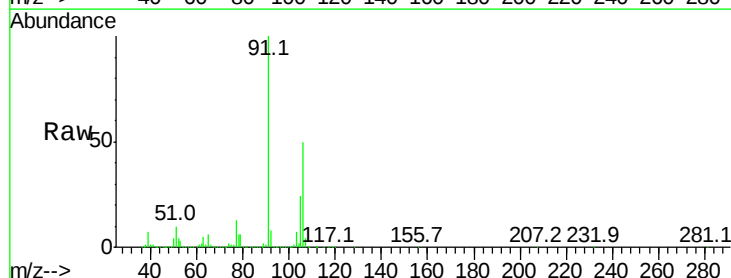
Acq: 22 Aug 2018 17:24

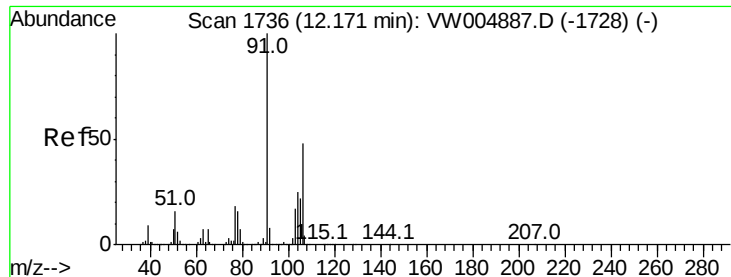
Tgt Ion: 106 Resp: 2160503

Ion Ratio Lower Upper

106 100

91 199.7 141.4 262.6





#55

o-xylene

Concen: 111.591 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

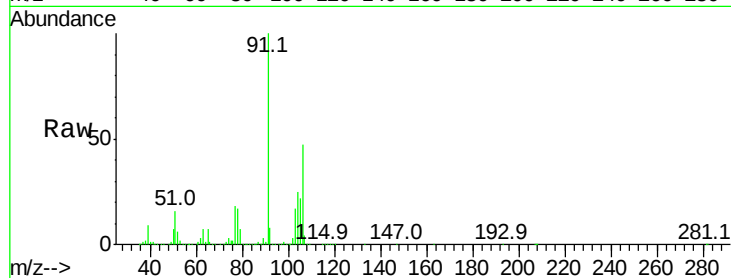
VSTD10085

Tgt Ion:106 Resp: 2052798

Ion Ratio Lower Upper

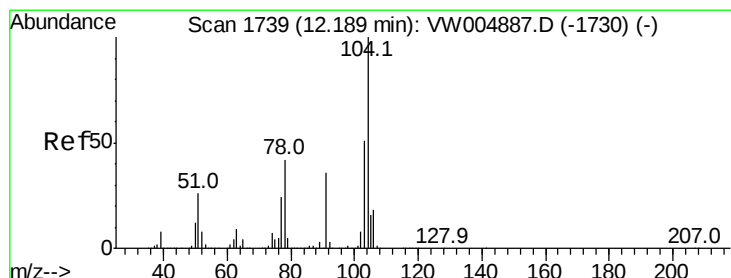
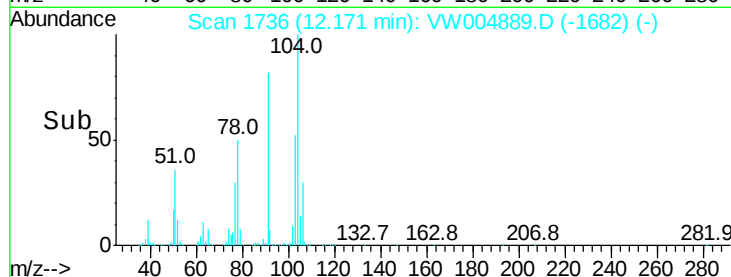
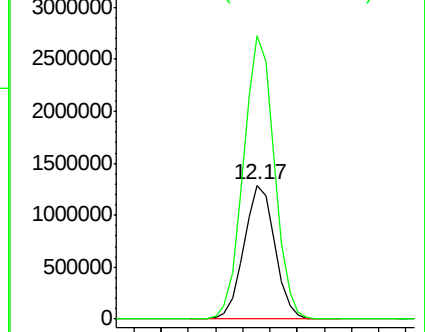
106 100

91 211.1 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 111.674 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW004889.D

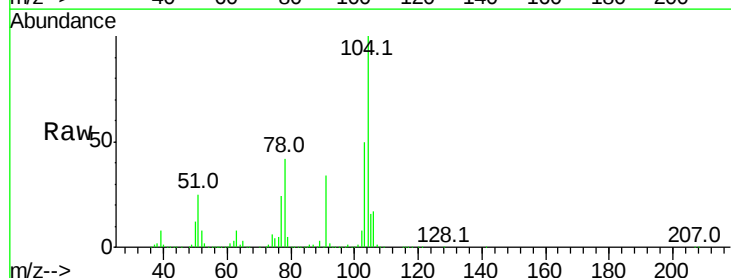
Acq: 22 Aug 2018 17:24

Tgt Ion:104 Resp: 3529054

Ion Ratio Lower Upper

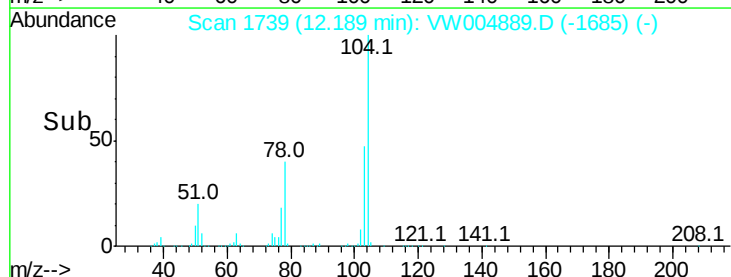
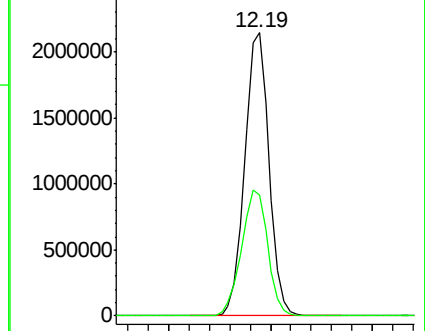
104 100

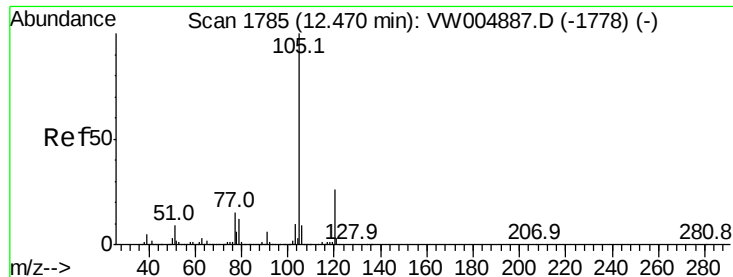
78 42.5 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 111.794 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

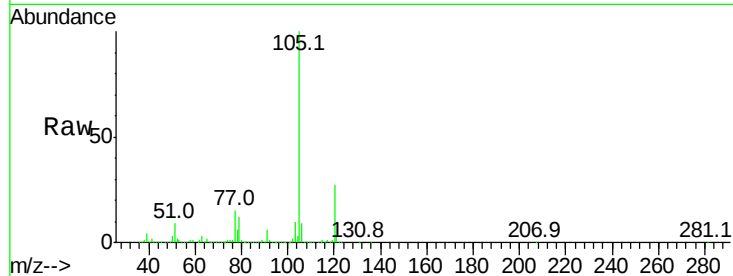
Tgt Ion:105 Resp: 5490967

Ion Ratio Lower Upper

105 100

120 26.8 21.3 31.9

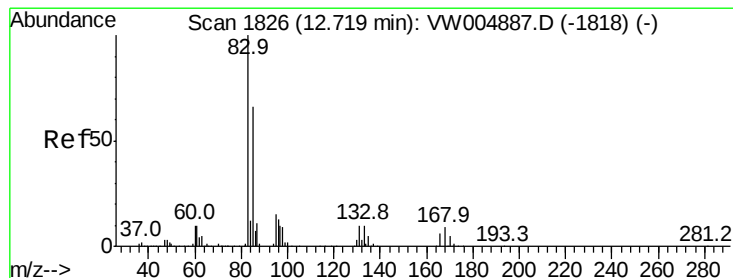
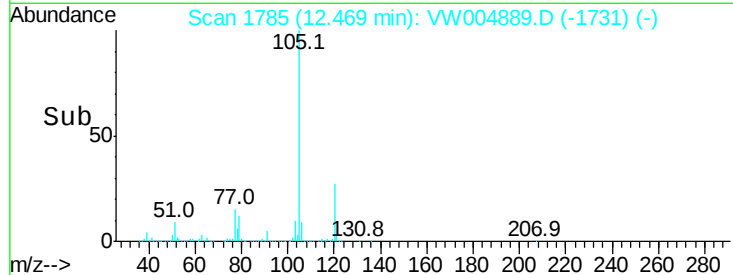
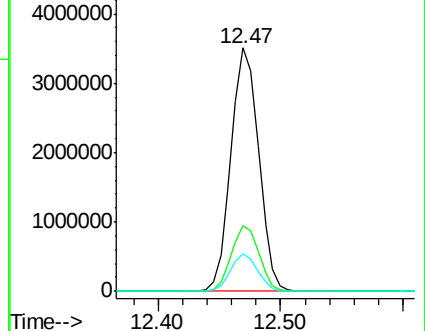
77 15.1 12.0 18.0



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: 108.225 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

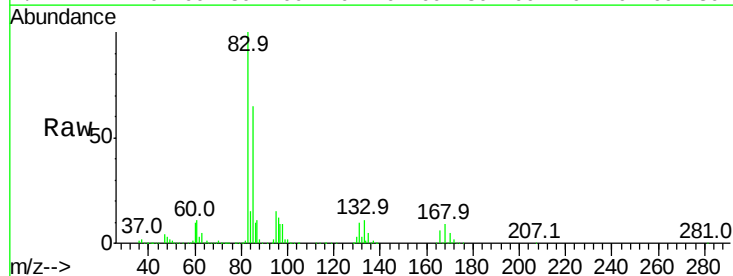
Tgt Ion: 83 Resp: 1119622

Ion Ratio Lower Upper

83 100

85 64.6 46.3 85.9

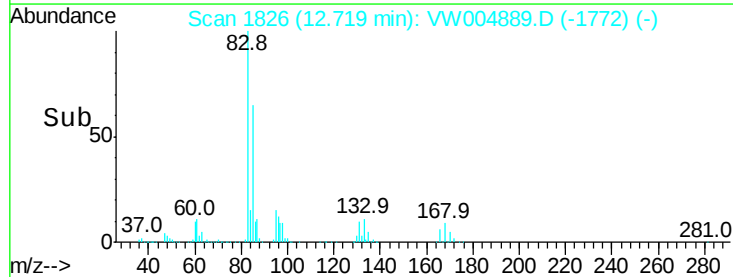
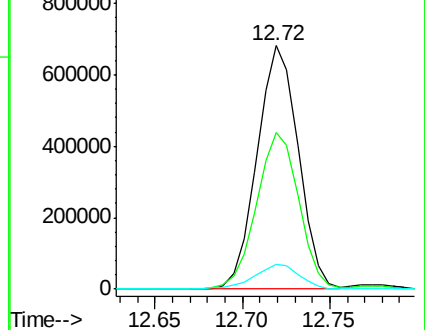
131 9.9 7.8 11.6

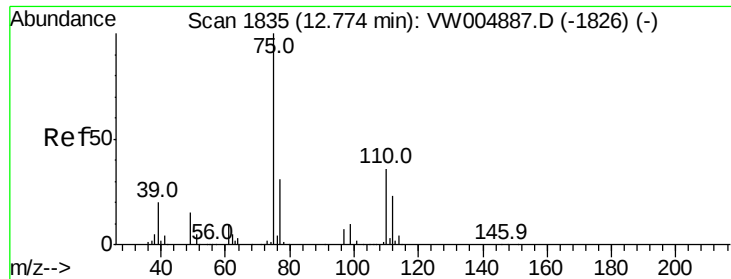


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

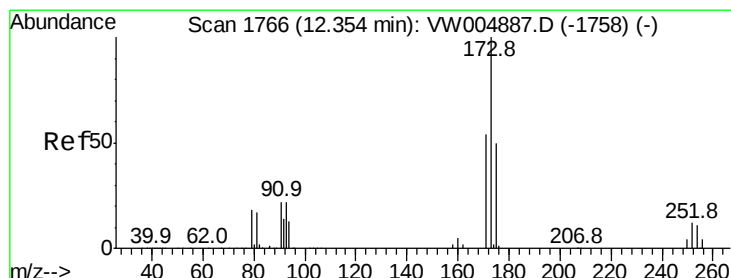
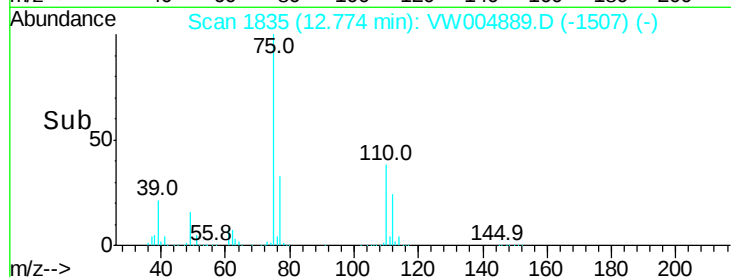
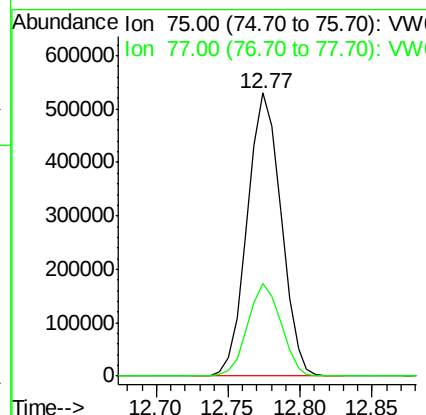
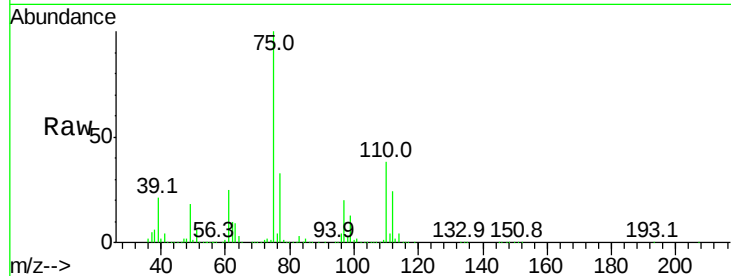




#59
 1,2,3-Trichloropropane
 Concen: 108.142 ug/L
 RT: 12.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VW004889.D
 Acq: 22 Aug 2018 17:24

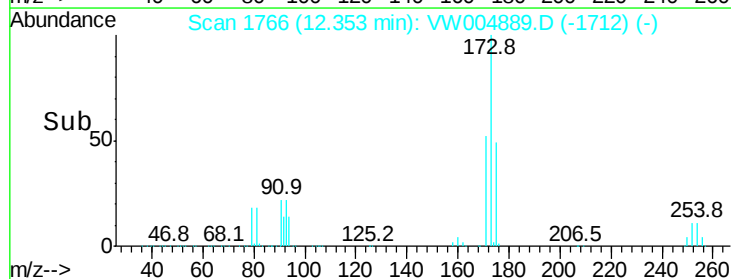
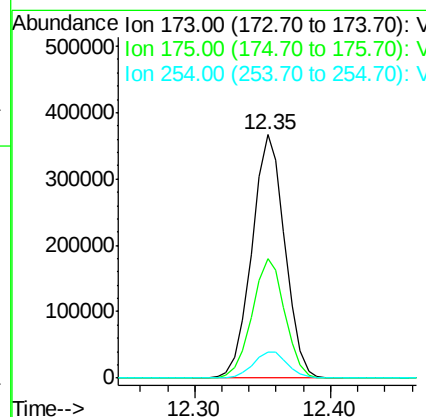
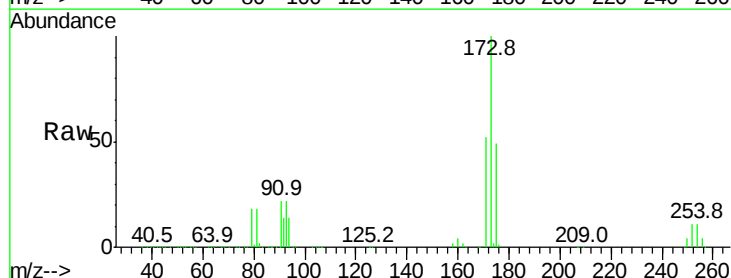
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

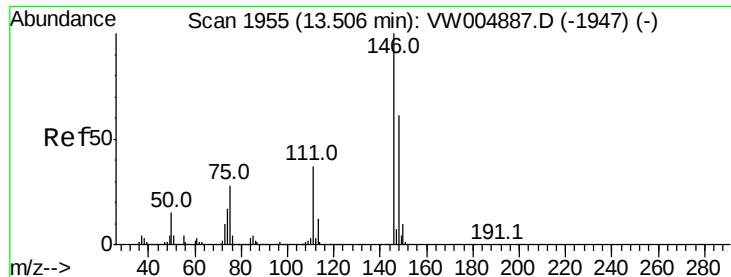
Tgt Ion: 75 Resp: 862208
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.3 37.9



#62
 Bromoform
 Concen: 114.980 ug/L
 RT: 12.35 min Scan# 1766
 Delta R.T. -0.00 min
 Lab File: VW004889.D
 Acq: 22 Aug 2018 17:24

Tgt Ion: 173 Resp: 621846
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.0 58.6
 254 11.1 9.0 13.6

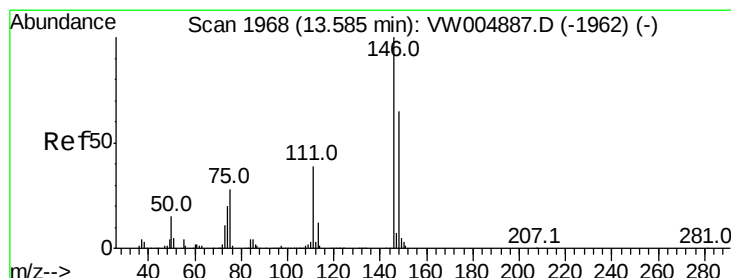
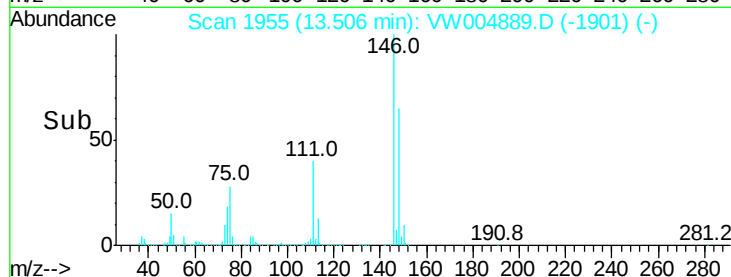
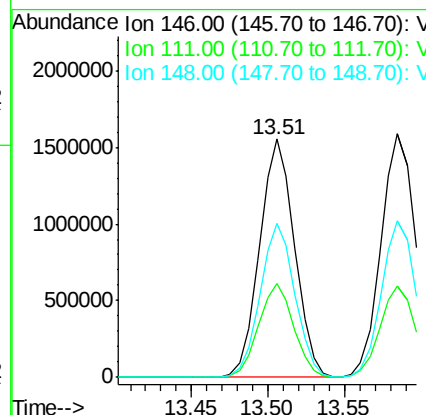
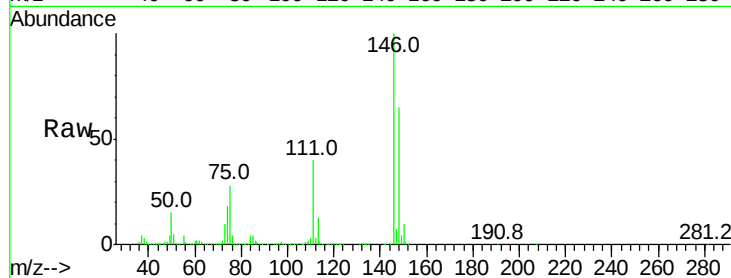




#63
 1,3-Dichlorobenzene
 Concen: 102.437 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004889.D
 Acq: 22 Aug 2018 17:24

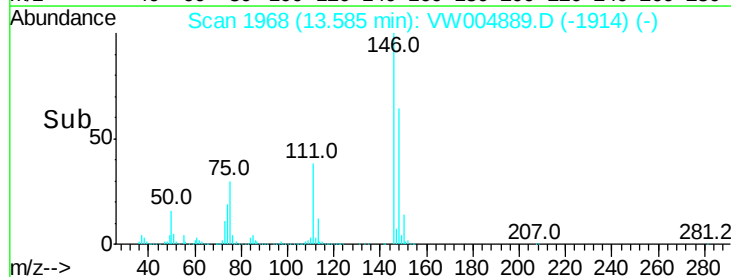
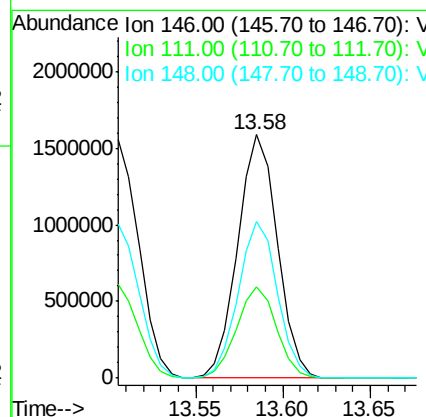
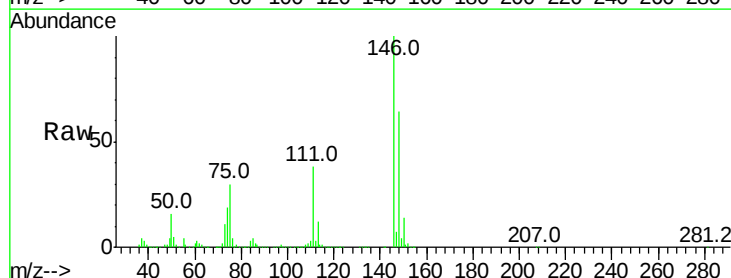
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

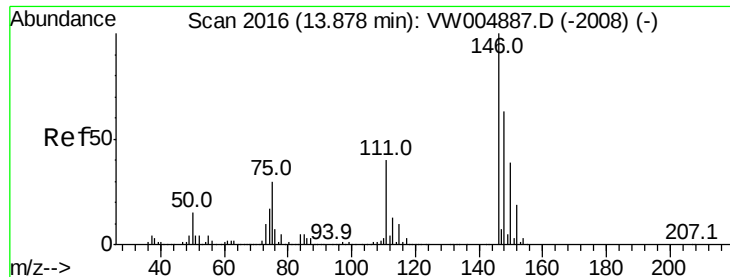
Tgt Ion:146 Resp: 2467380
 Ion Ratio Lower Upper
 146 100
 111 39.6 25.6 47.6
 148 64.5 42.7 79.3



#64
 1,4-Dichlorobenzene
 Concen: 98.443 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004889.D
 Acq: 22 Aug 2018 17:24

Tgt Ion:146 Resp: 2502347
 Ion Ratio Lower Upper
 146 100
 111 37.6 27.6 51.4
 148 64.2 45.8 85.0





#65

1,2-Dichlorobenzene

Concen: 98.638 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

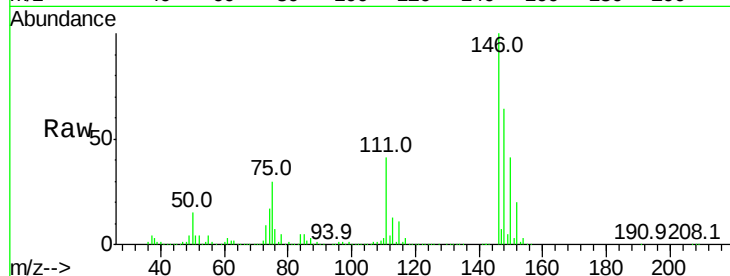
Tgt Ion:146 Resp: 2293854

Ion Ratio Lower Upper

146 100

111 41.0 32.0 48.0

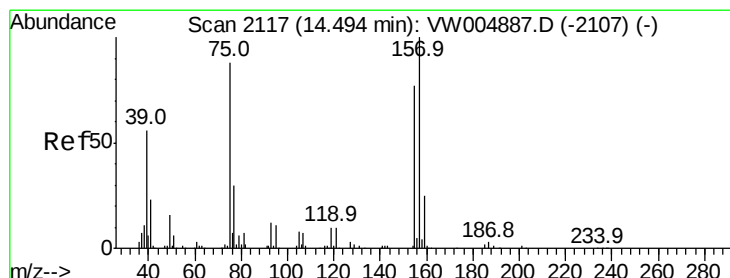
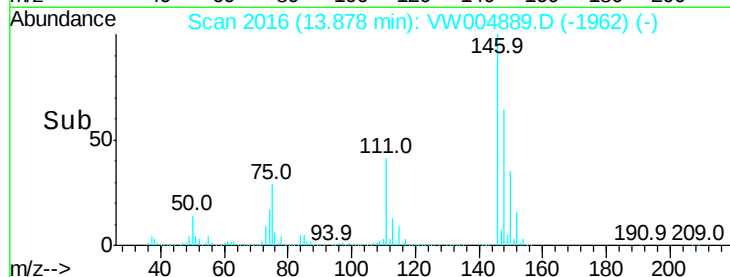
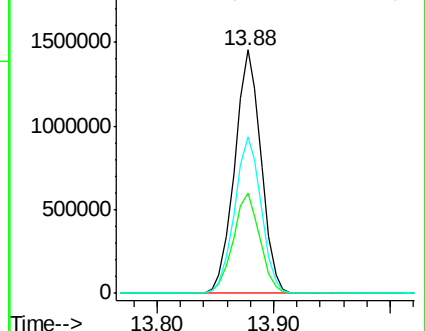
148 64.3 50.6 75.8



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: 110.887 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

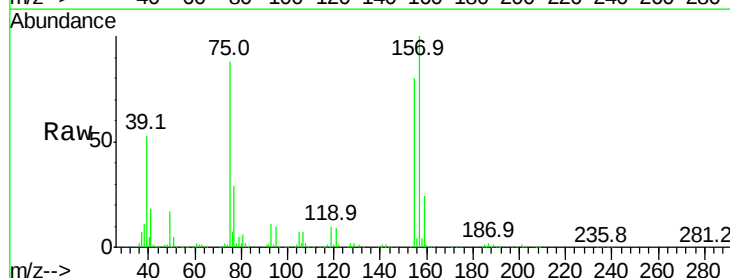
Tgt Ion: 75 Resp: 213434

Ion Ratio Lower Upper

75 100

157 113.4 90.7 136.1

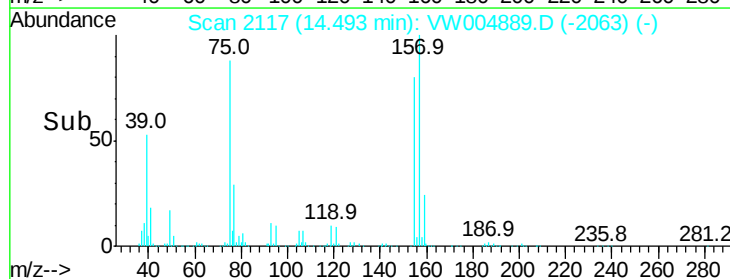
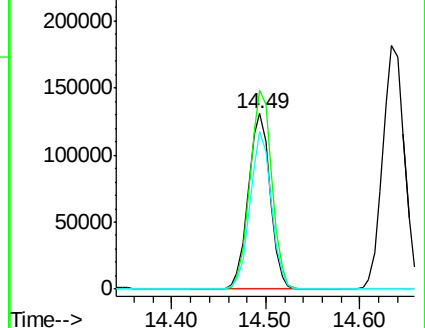
155 90.3 69.5 104.3

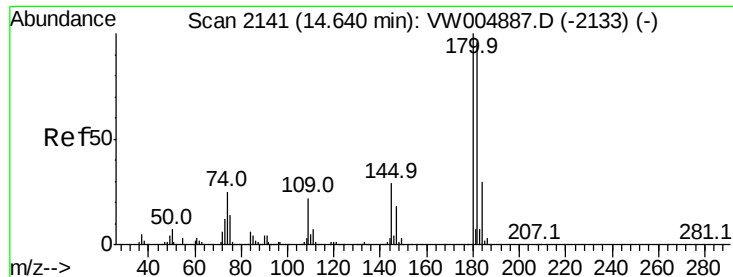


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#67

1,3,5-Trichlorobenzene

Concen: 100.481 ug/L

RT: 14.64 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

Tgt Ion:180 Resp: 1944181

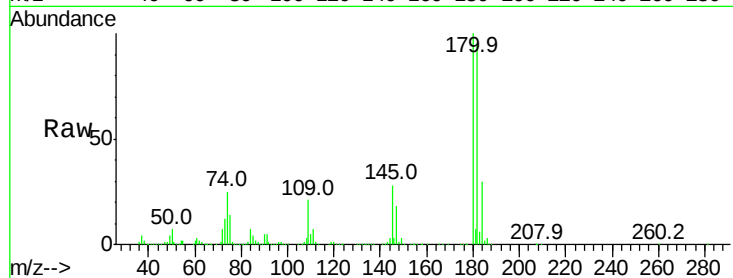
Ion Ratio Lower Upper

180 100

182 95.5 76.0 114.0

184 30.4 24.3 36.5

145 28.7 23.0 34.6

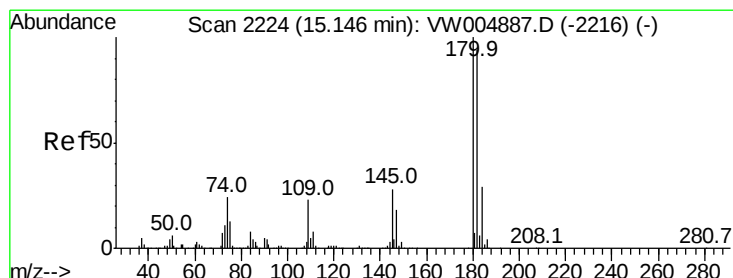
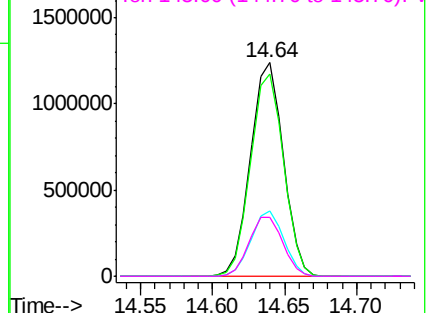
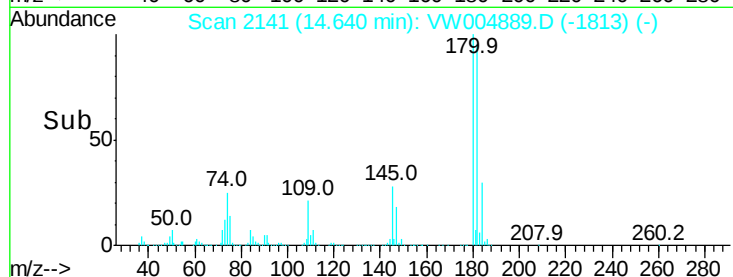


Abundance Ion 180.00 (179.70 to 180.70): V

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: 105.295 ug/L

RT: 15.15 min Scan# 2224

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

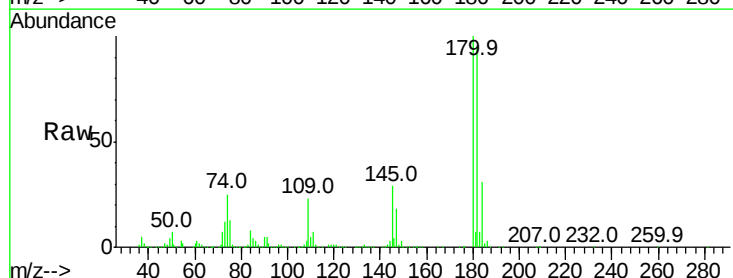
Tgt Ion:180 Resp: 1629288

Ion Ratio Lower Upper

180 100

182 95.3 76.1 114.1

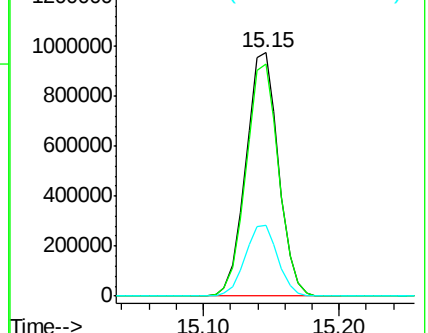
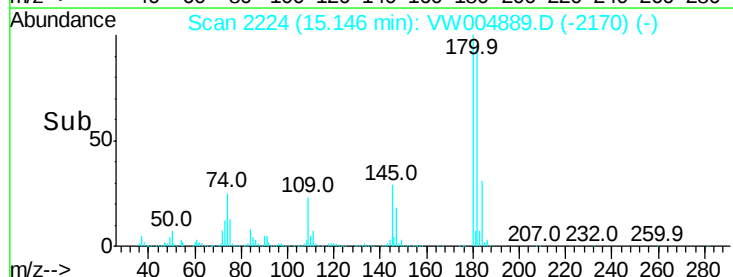
145 29.3 23.3 34.9

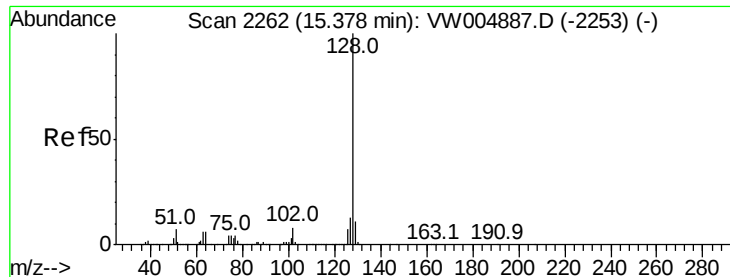


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 127.667 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Instrument :

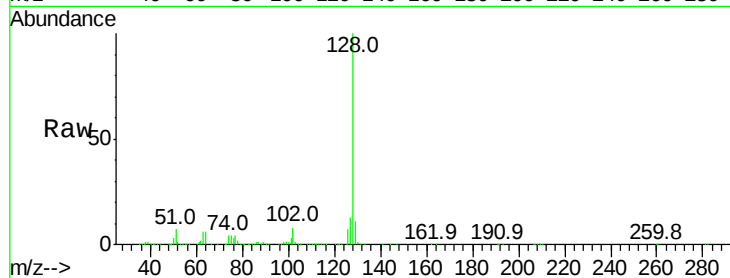
MSVOA_W

ClientSampleId :

VSTD10085

Tgt Ion:128 Resp: 3845200

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	12.9	10.6	15.8

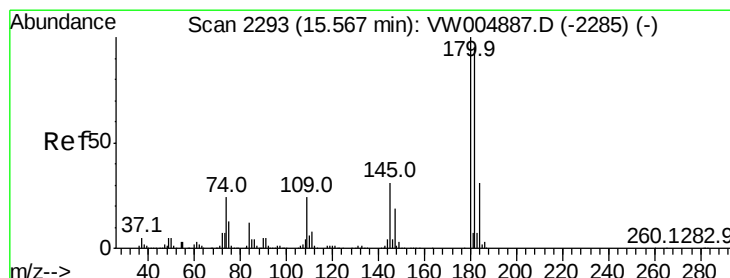
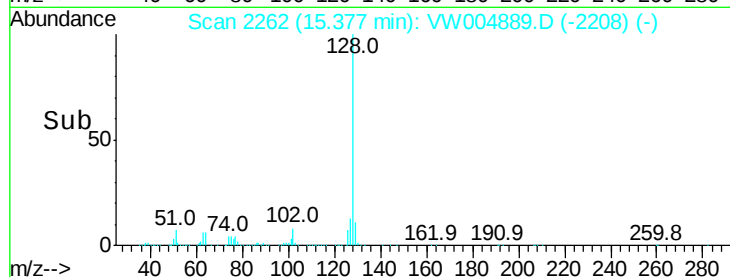
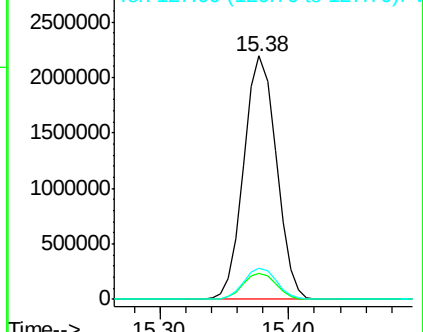


Abundance

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: 103.421 ug/L

RT: 15.57 min Scan# 2293

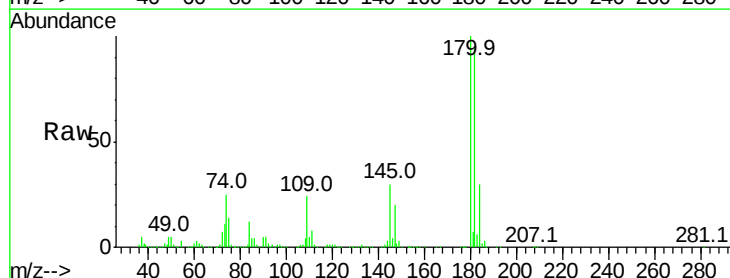
Delta R.T. -0.00 min

Lab File: VW004889.D

Acq: 22 Aug 2018 17:24

Tgt Ion:180 Resp: 1512909

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.6
145	30.9	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

