

Data File : VW005044.D
Acq On : 31 Aug 2018 15:15
Operator : SY/AP
Sample : VSTD05090
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05090

Quant Time: Aug 31 15:47:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM083118S.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 31 15:23:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	698455	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	709854	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	384249	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	514019	38.94	ug/L	0.00
7) Chloroethane-d5	2.88	69	387381	39.58	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	724914	43.00	ug/L	0.00
20) 2-Butanone-d5	7.08	46	293182	109.12	ug/L	0.00
24) Chloroform-d	7.65	84	738586	47.63	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	412572	48.97	ug/L	0.00
29) Benzene-d6	8.28	84	1796332	49.20	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	524166	48.86	ug/L	0.00
37) Toluene-d8	10.33	98	1874903	48.47	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	238340	51.64	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	297823	112.05	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	519016	48.15	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	733399	47.51	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	479554	36.500	ug/L	100
3) Chloromethane	2.21	50	526802	35.381	ug/L	99
5) Vinyl chloride	2.36	62	535133	35.485	ug/L	98
6) Bromomethane	2.76	94	308259	39.020	ug/L	99
8) Chloroethane	2.92	64	299964	35.593	ug/L	100
9) Trichlorofluoromethane	3.26	101	577886	37.867	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	391906	42.931	ug/L	99
12) 1,1-Dichloroethene	4.04	96	344398	42.353	ug/L	93
13) Acetone	4.12	43	148960	71.576	ug/L	96
14) Carbon disulfide	4.38	76	1192344	35.388	ug/L	99
15) Methyl Acetate	4.68	43	226424	48.116	ug/L	100
16) Methylene chloride	4.92	84	455890	33.661	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	919540	52.352	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	384072	45.359	ug/L	100
19) 1,1-Dichloroethane	6.22	63	641922	41.531	ug/L	99
21) 2-Butanone	7.18	43	276203	86.189	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	420195	45.987	ug/L	99
23) Bromochloromethane	7.52	128	192865	39.973	ug/L	97
25) Chloroform	7.68	83	669662	43.227	ug/L	100
27) 1,2-Dichloroethane	8.41	62	441404	43.471	ug/L	100
30) Cyclohexane	7.96	56	695187	46.006	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	608082	44.475	ug/L	100
32) Carbon tetrachloride	8.07	117	555344	45.411	ug/L	99
34) Benzene	8.33	78	1734661	42.858	ug/L	100
35) Trichloroethene	9.10	95	445114	44.227	ug/L	99
36) Methylcyclohexane	9.34	83	801625	43.062	ug/L	99
40) 1,2-Dichloropropane	9.37	63	430560	43.245	ug/L	99
41) Bromodichloromethane	9.65	83	504871	46.020	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	669973	48.476	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	679830	92.496	ug/L	99

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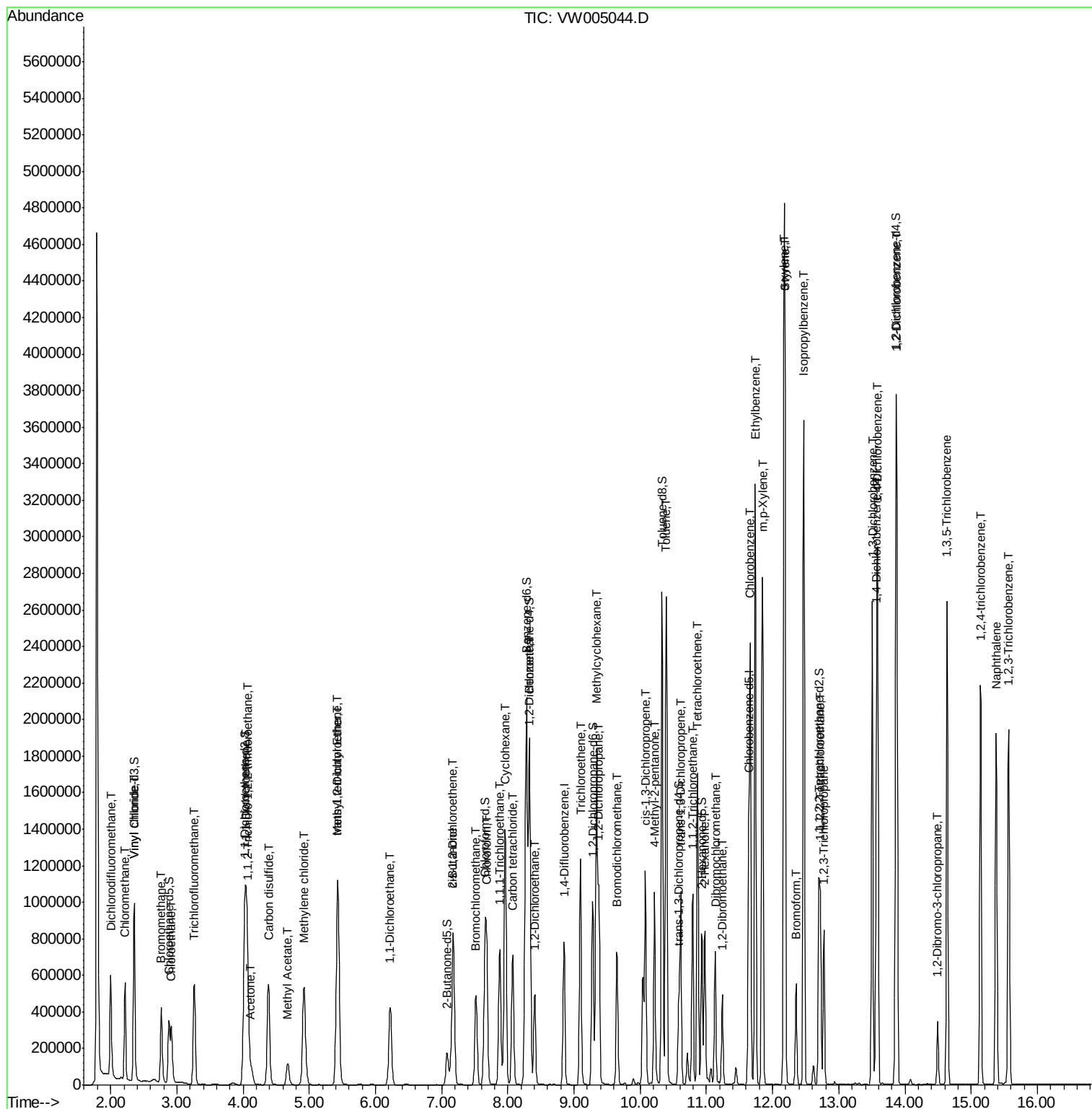
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2066377	42.512	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	587470	46.868	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	348735	44.874	ug/L	98
47) Tetrachloroethene	10.87	164	415060	42.125	ug/L	99
49) 2-Hexanone	10.98	43	515168	90.702	ug/L	99
50) Dibromochloromethane	11.13	129	405013	46.943	ug/L	100
51) 1,2-Dibromoethane	11.24	107	335325	43.956	ug/L	99
52) Chlorobenzene	11.66	112	1353530	41.919	ug/L	99
53) Ethylbenzene	11.74	91	2356838	43.091	ug/L	100
54) m,p-Xylene	11.85	106	943072	44.445	ug/L	98
55) o-xylene	12.17	106	890882	44.936	ug/L	99
56) Styrene	12.19	104	1557690	45.730	ug/L	98
57) Isopropylbenzene	12.47	105	2388914	45.112	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	474215	42.815	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	364324	42.688	ug/L	99
62) Bromoform	12.35	173	272488	44.726	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	1133384	42.813	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1168741	42.170	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	1084951	42.773	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	86297	40.119	ug/L	93
67) 1,3,5-Trichlorobenzene	14.64	180	912613	43.083	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	770672	45.060	ug/L	99
69) Naphthalene	15.38	128	1670469	48.051	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	723327	44.901	ug/L	99

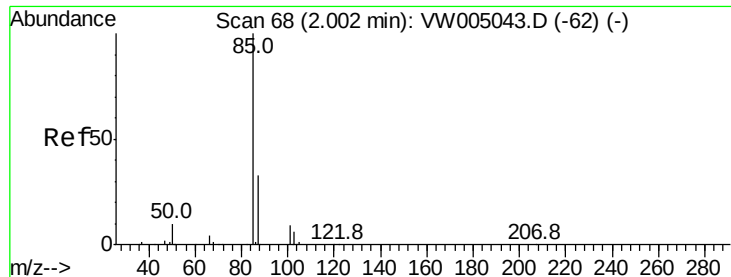
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 36.500 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

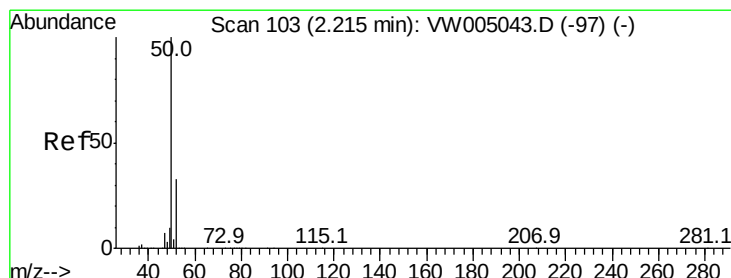
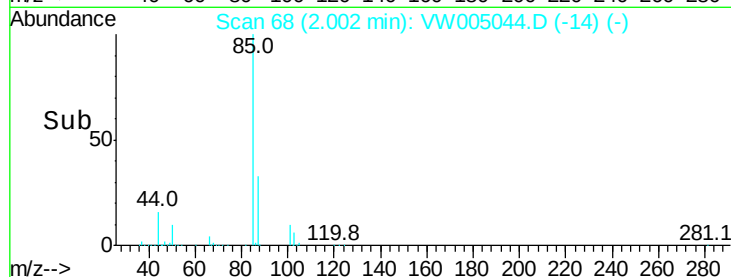
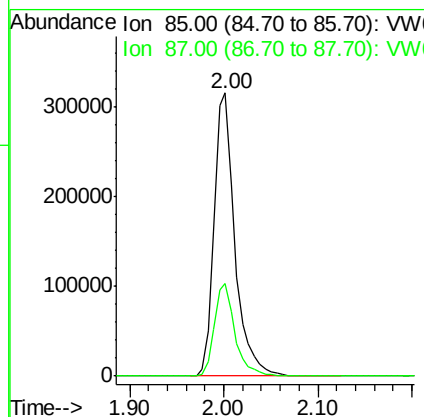
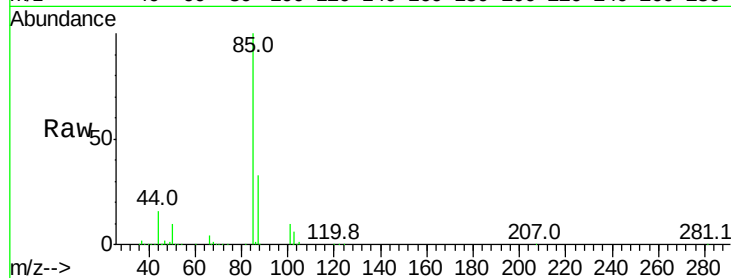
VSTD05090

Tgt Ion: 85 Resp: 479554

Ion Ratio Lower Upper

85 100

87 32.7 23.0 42.6



#3

Chloromethane

Concen: 35.381 ug/L

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW005044.D

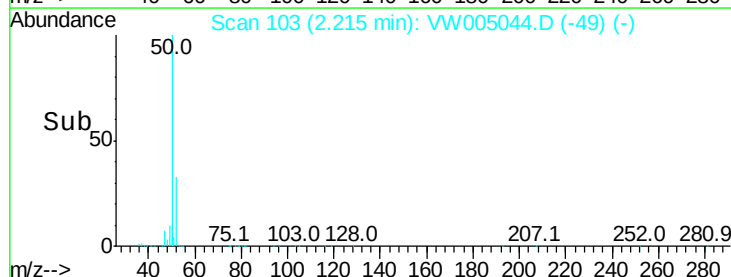
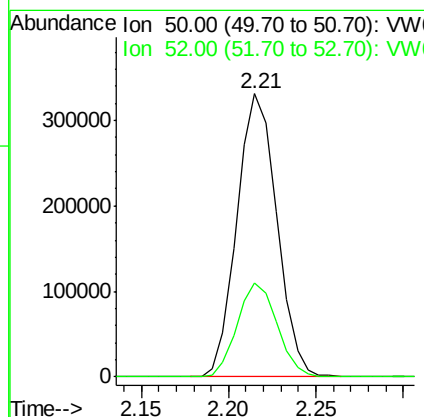
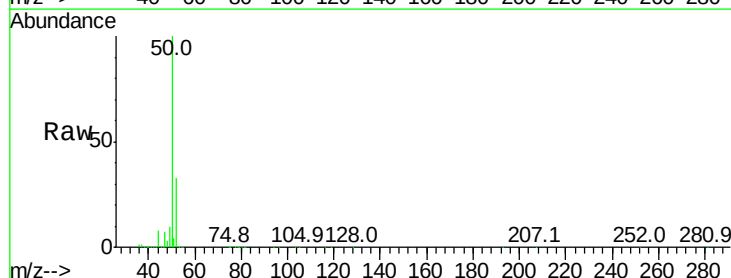
Acq: 31 Aug 2018 15:15

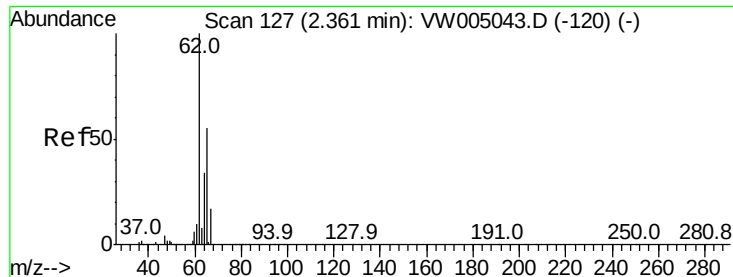
Tgt Ion: 50 Resp: 526802

Ion Ratio Lower Upper

50 100

52 33.3 23.0 42.8





#5

Vinyl chloride

Concen: 35.485 ug/L

RT: 2.36 min Scan# 127

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

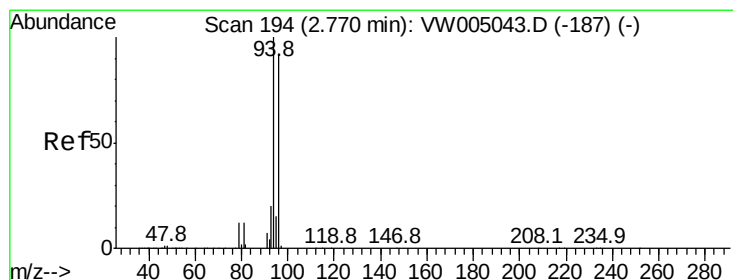
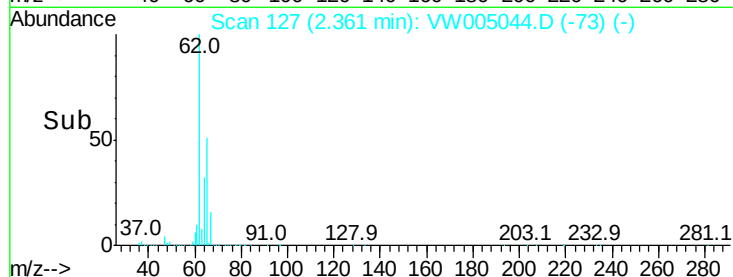
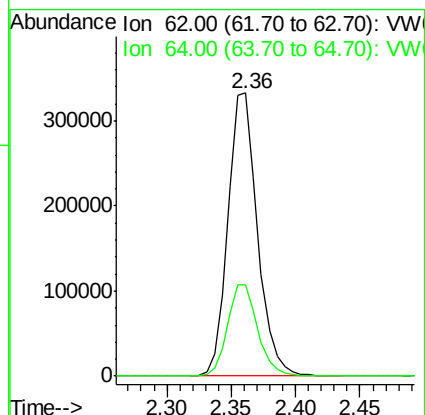
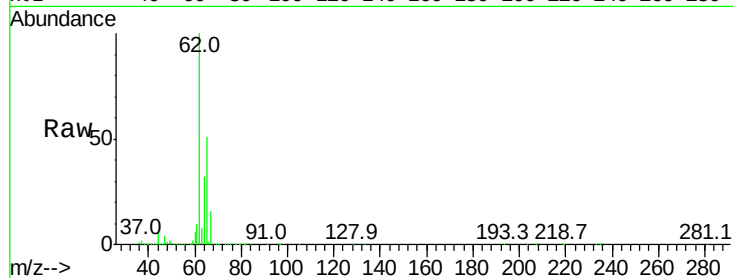
VSTD05090

Tgt Ion: 62 Resp: 535133

Ion Ratio Lower Upper

62 100

64 32.1 23.4 43.6



#6

Bromomethane

Concen: 39.020 ug/L

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW005044.D

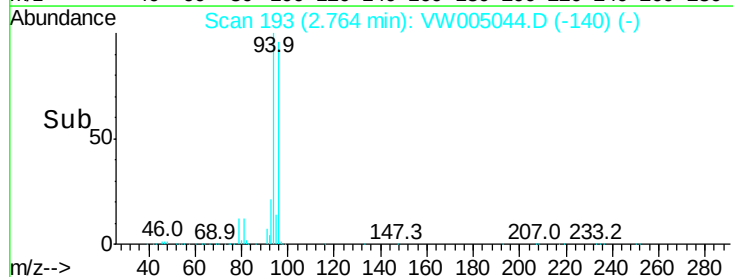
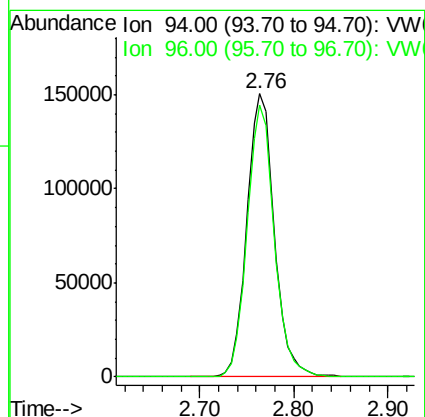
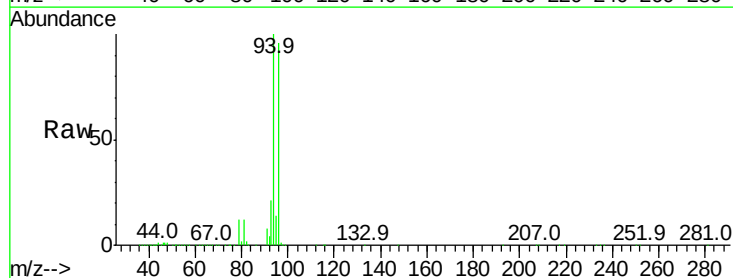
Acq: 31 Aug 2018 15:15

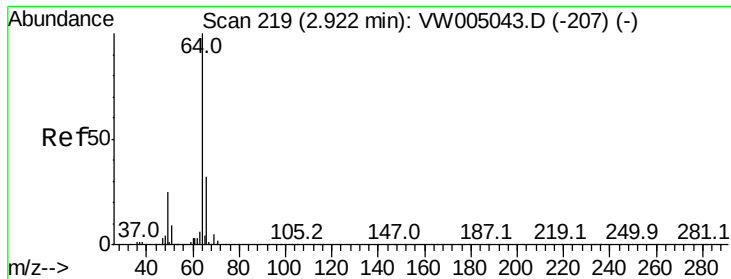
Tgt Ion: 94 Resp: 308259

Ion Ratio Lower Upper

94 100

96 94.7 9.4 178.6





#8

Chloroethane

Concen: 35.593 ug/L

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

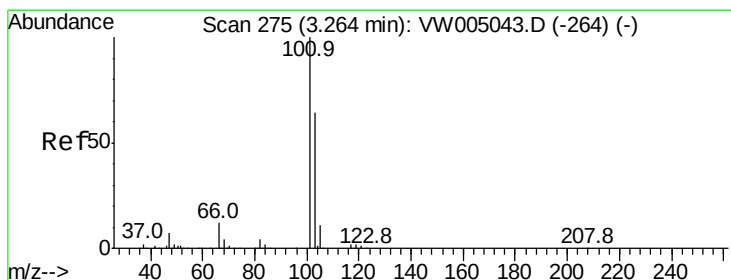
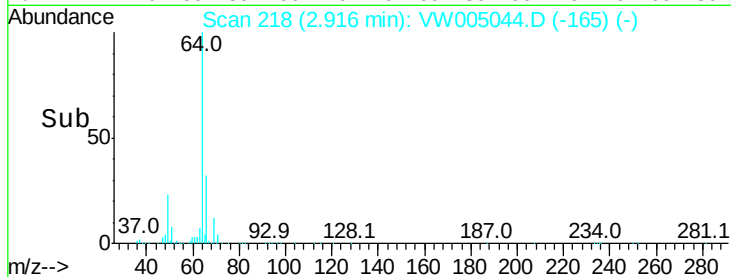
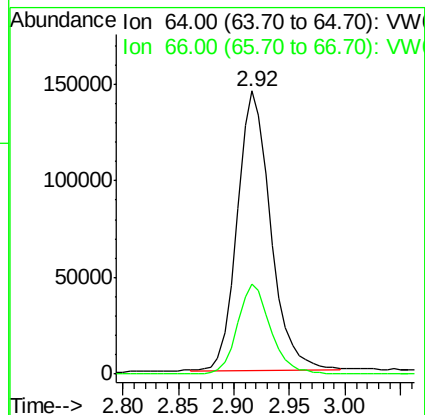
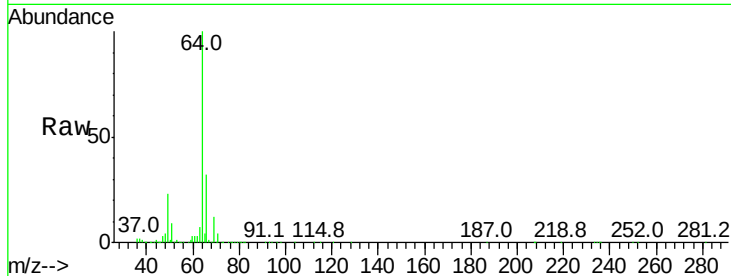
VSTD05090

Tgt Ion: 64 Resp: 299964

Ion Ratio Lower Upper

64 100

66 31.9 22.4 41.6



#9

Trichlorofluoromethane

Concen: 37.867 ug/L

RT: 3.26 min Scan# 275

Delta R.T. -0.00 min

Lab File: VW005044.D

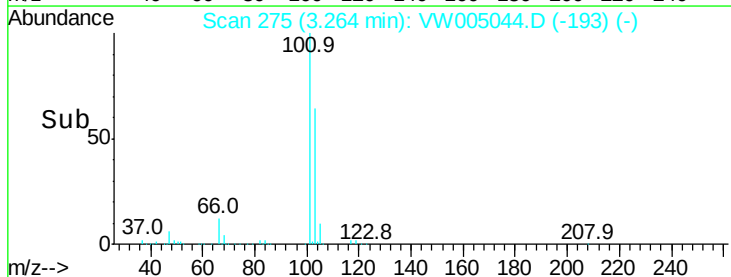
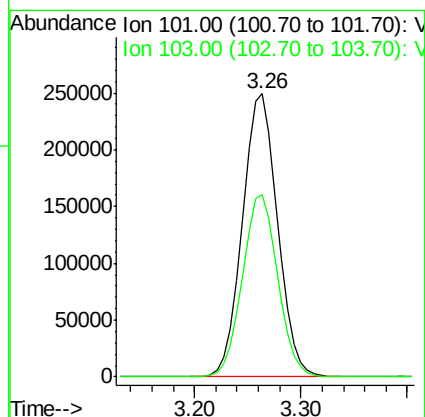
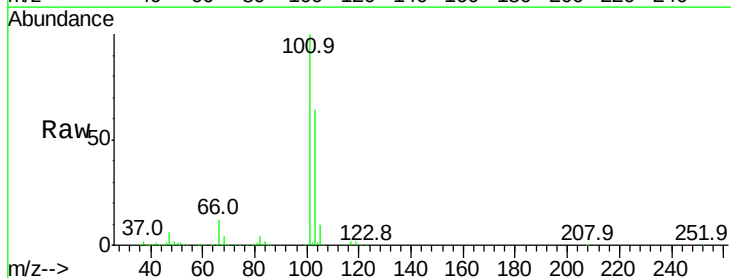
Acq: 31 Aug 2018 15:15

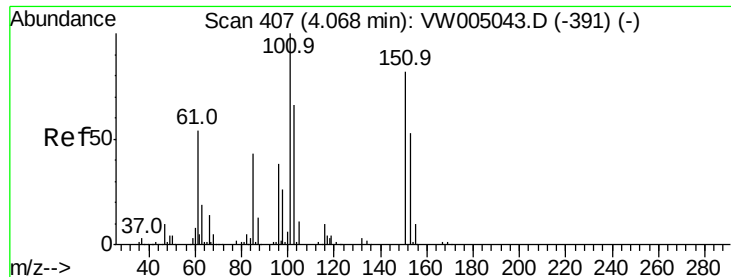
Tgt Ion: 101 Resp: 577886

Ion Ratio Lower Upper

101 100

103 64.7 45.4 84.4





#11

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

Concen: 42.931 ug/L

RT: 4.07 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05090

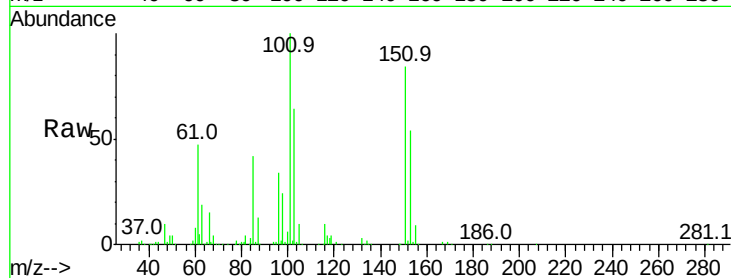
Tgt Ion:101 Resp: 391906

Ion Ratio Lower Upper

101 100

85 40.9 33.3 49.9

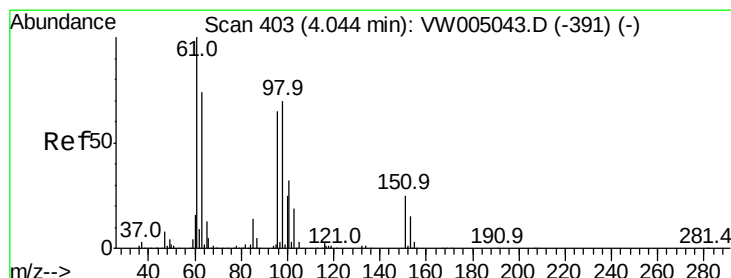
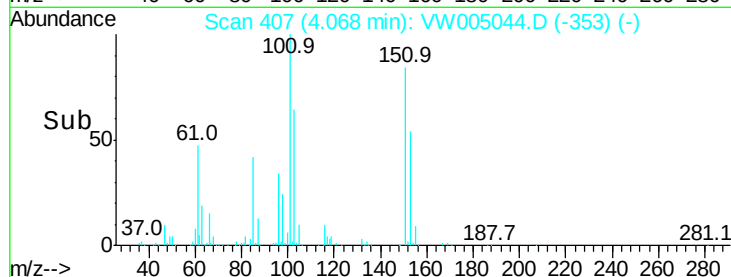
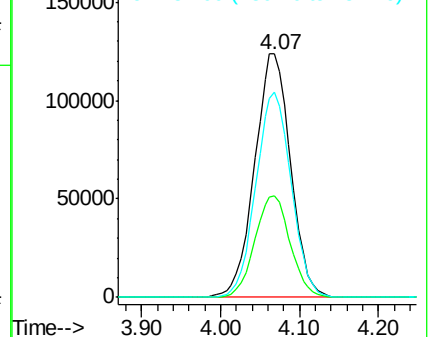
151 82.7 66.8 100.2



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: 42.353 ug/L

RT: 4.04 min Scan# 403

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

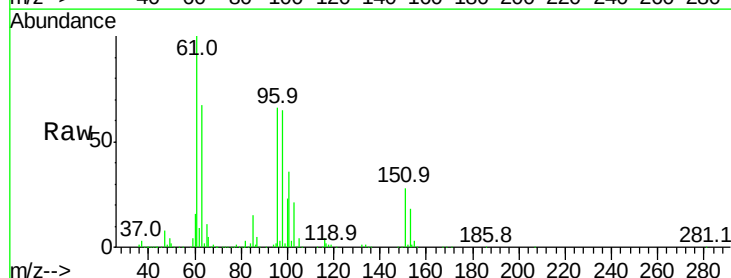
Tgt Ion: 96 Resp: 344398

Ion Ratio Lower Upper

96 100

61 151.5 108.4 201.4

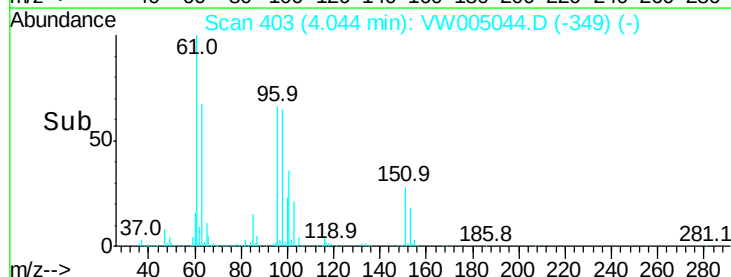
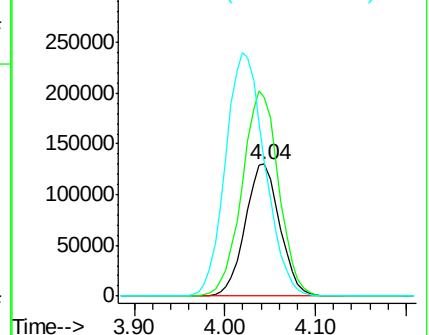
63 102.2 81.2 150.8

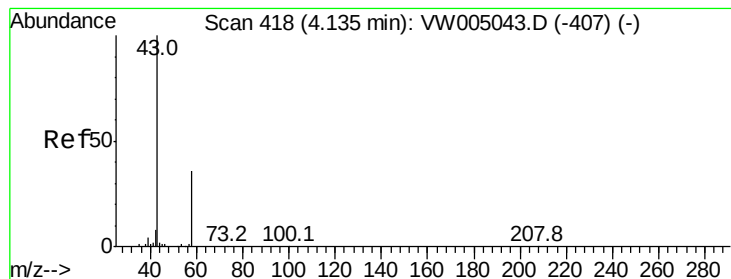


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 71.576 ug/L

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

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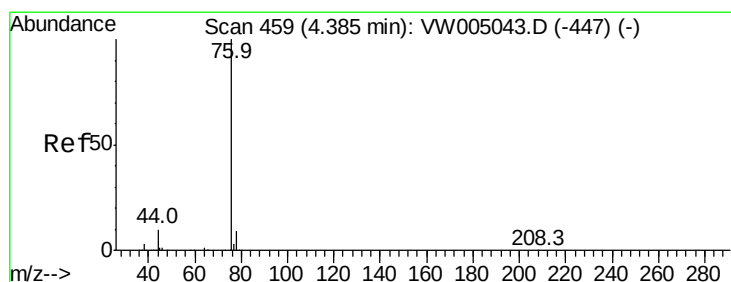
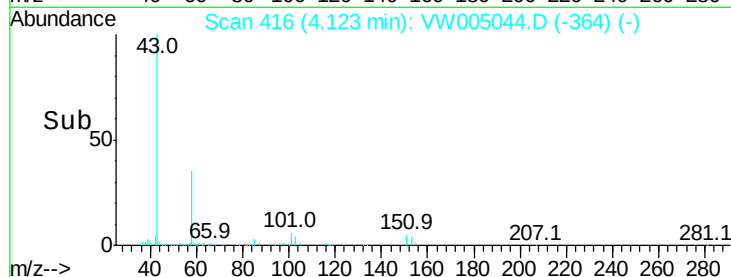
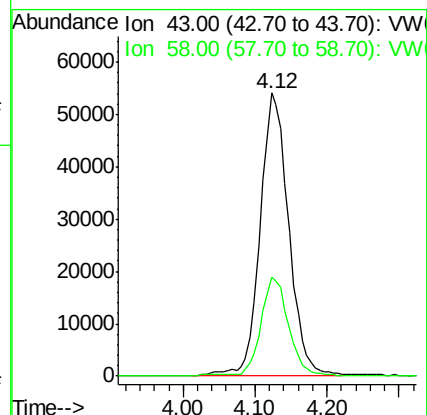
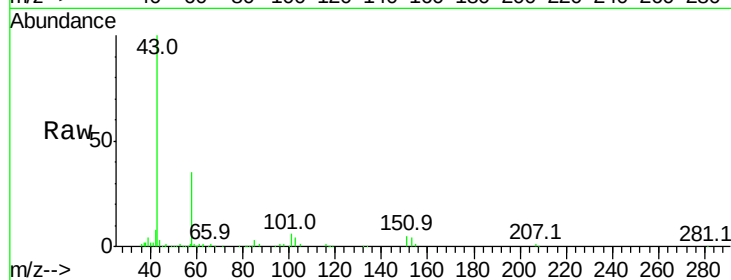
VSTD05090

Tgt Ion: 43 Resp: 148960

Ion Ratio Lower Upper

43 100

58 32.9 0.0 70.4



#14

Carbon disulfide

Concen: 35.388 ug/L

RT: 4.38 min Scan# 458

Delta R.T. -0.01 min

Lab File: VW005044.D

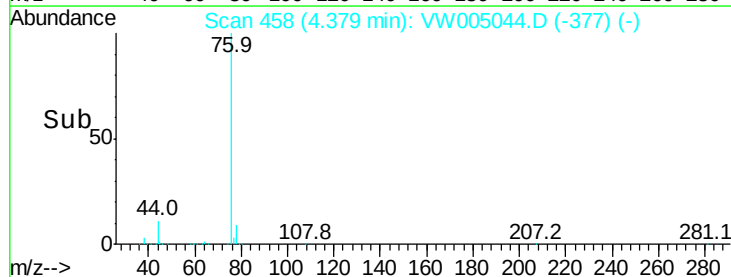
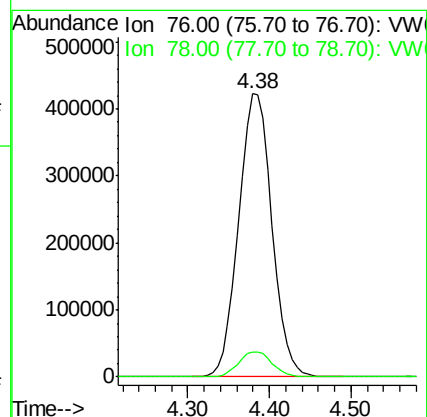
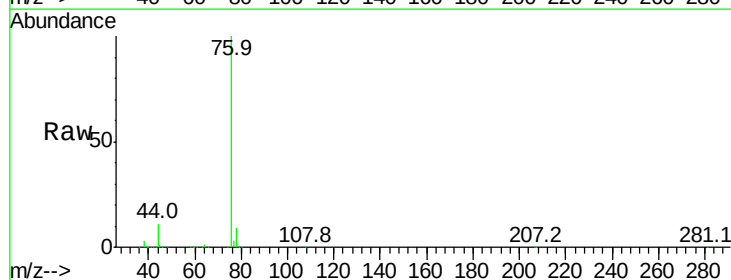
Acq: 31 Aug 2018 15:15

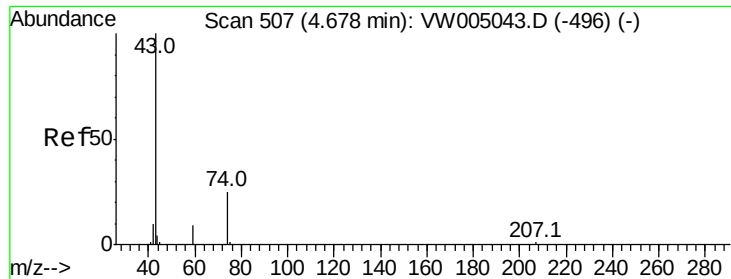
Tgt Ion: 76 Resp: 1192344

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4





#15

Methyl Acetate

Concen: 48.116 ug/L

RT: 4.68 min Scan# 507

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_W

ClientSampled :

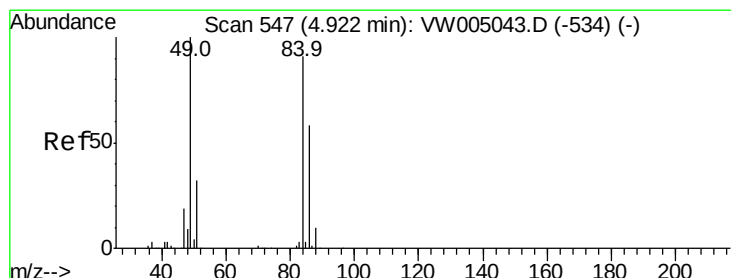
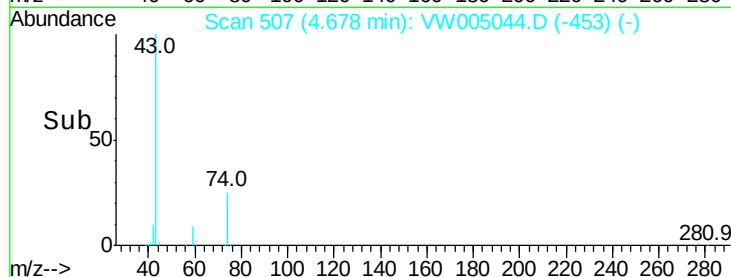
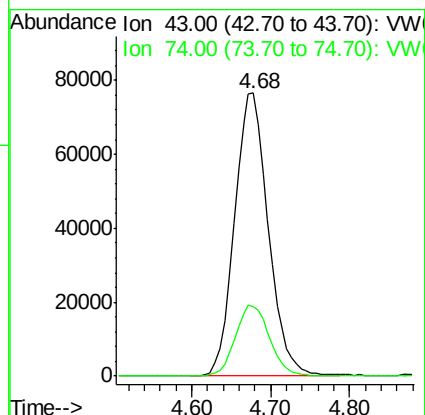
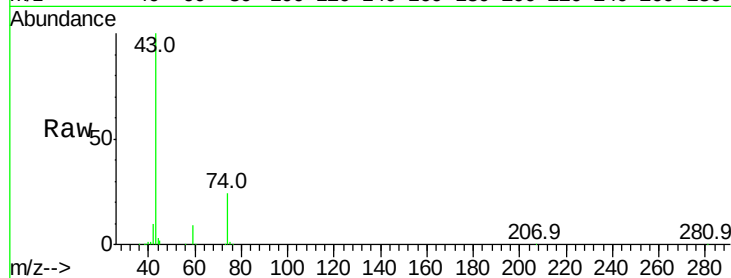
VSTD05090

Tgt Ion: 43 Resp: 226424

Ion Ratio Lower Upper

43 100

74 25.5 20.6 30.8



#16

Methylene chloride

Concen: 33.661 ug/L

RT: 4.92 min Scan# 547

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

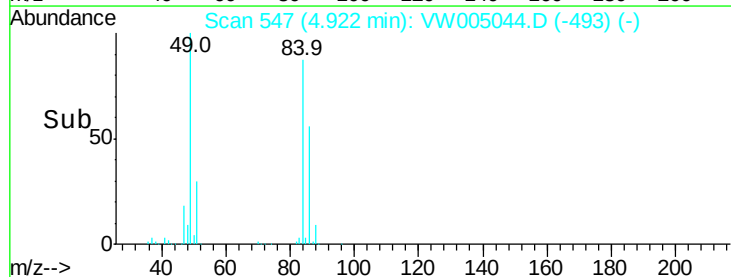
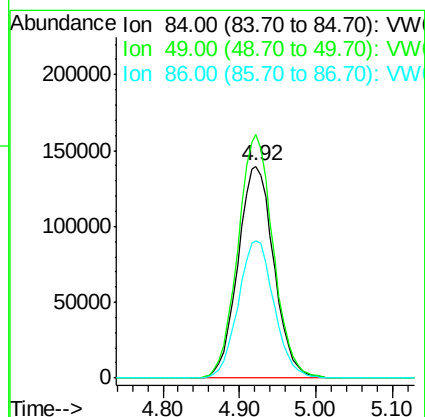
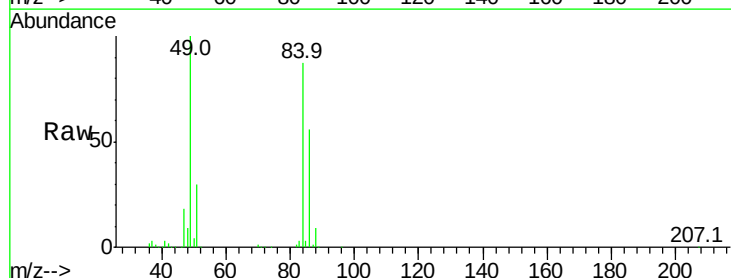
Tgt Ion: 84 Resp: 455890

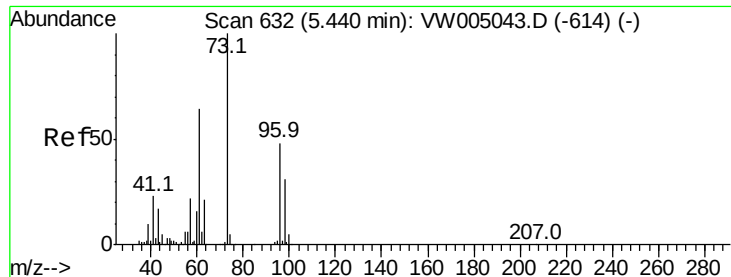
Ion Ratio Lower Upper

84 100

49 114.9 77.3 143.7

86 64.7 44.7 83.1

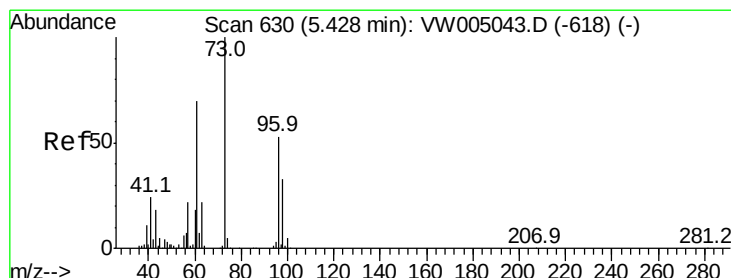
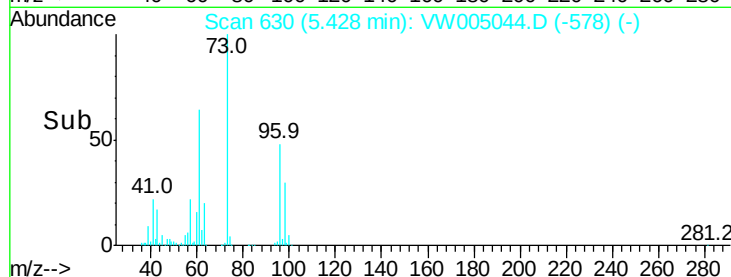
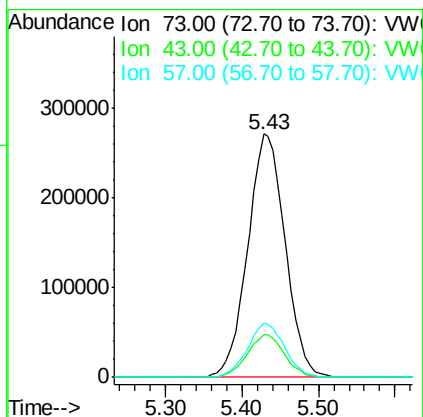
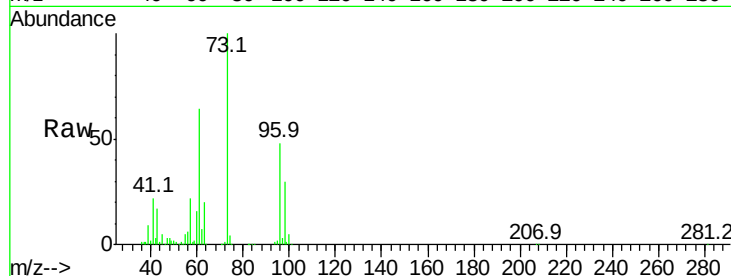




#17
Methyl tert-butyl Ether
Concen: 52.352 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW005044.D
Acq: 31 Aug 2018 15:15

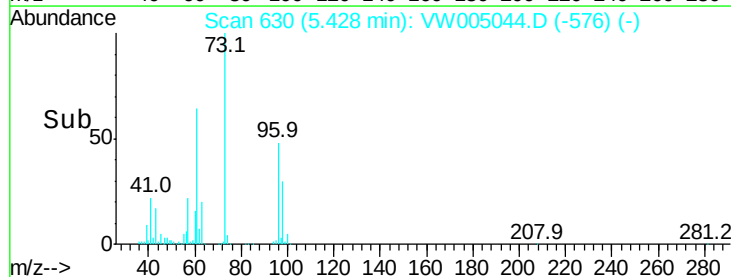
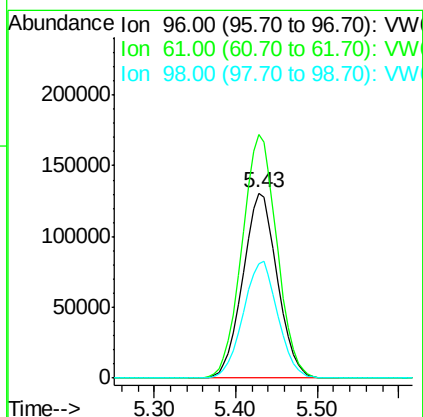
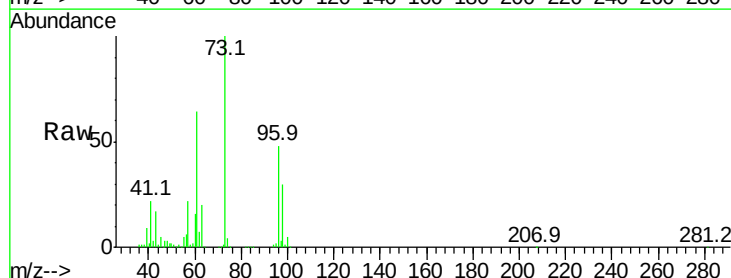
Instrument :
MSVOA_W
ClientSampleId :
VSTD05090

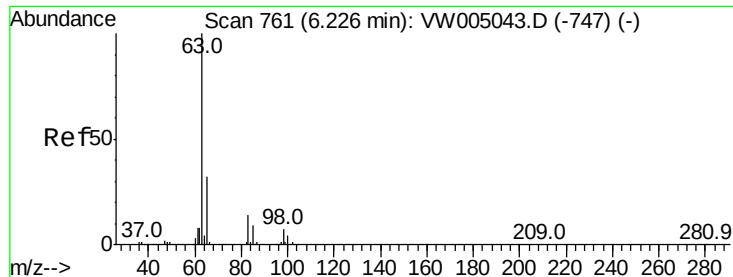
Tgt Ion: 73 Resp: 919540
Ion Ratio Lower Upper
73 100
43 17.6 14.8 22.2
57 22.1 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 45.359 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW005044.D
Acq: 31 Aug 2018 15:15

Tgt Ion: 96 Resp: 384072
Ion Ratio Lower Upper
96 100
61 131.5 92.3 171.3
98 61.8 42.8 79.6





#19

1,1-Dichloroethane

Concen: 41.531 ug/L

RT: 6.22 min Scan# 760

Delta R.T. -0.01 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_W

ClientSampled :

VSTD05090

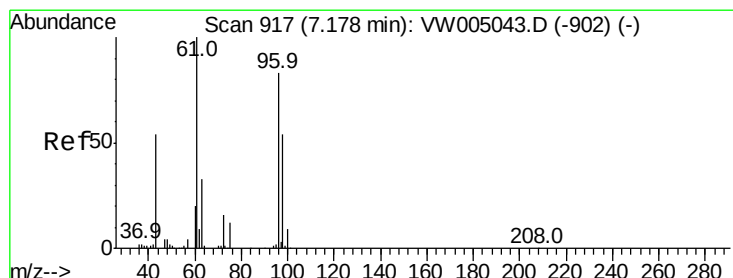
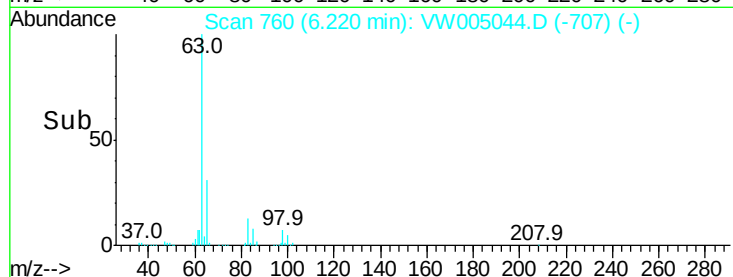
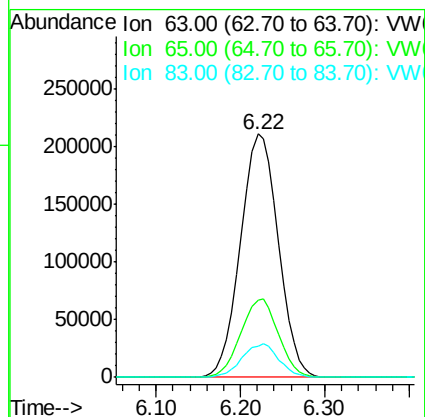
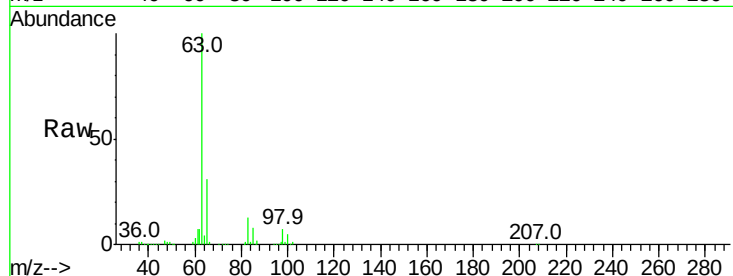
Tgt Ion: 63 Resp: 641922

Ion Ratio Lower Upper

63 100

65 31.5 22.2 41.2

83 13.0 9.8 18.2



#21

2-Butanone

Concen: 86.189 ug/L

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW005044.D

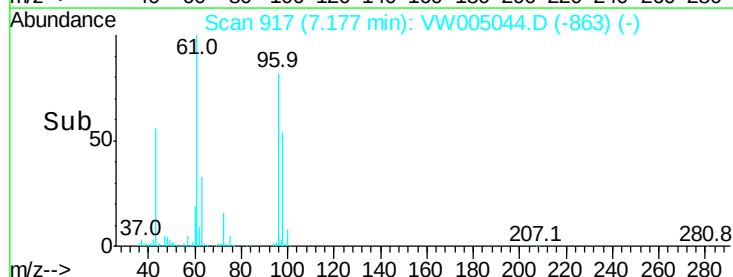
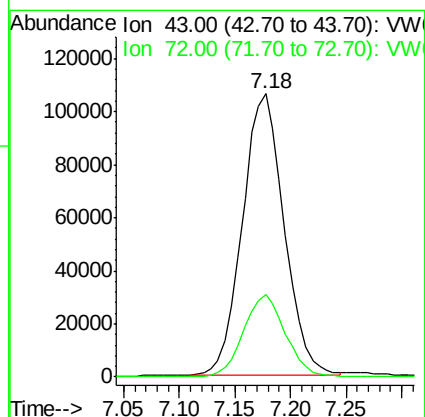
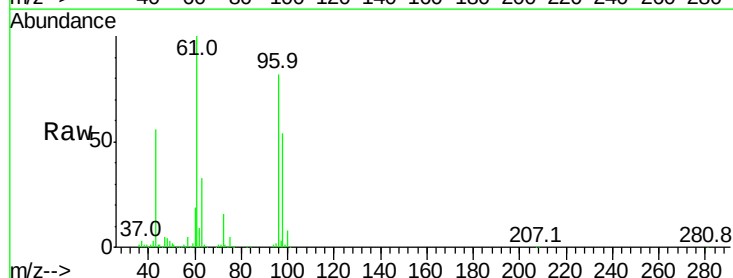
Acq: 31 Aug 2018 15:15

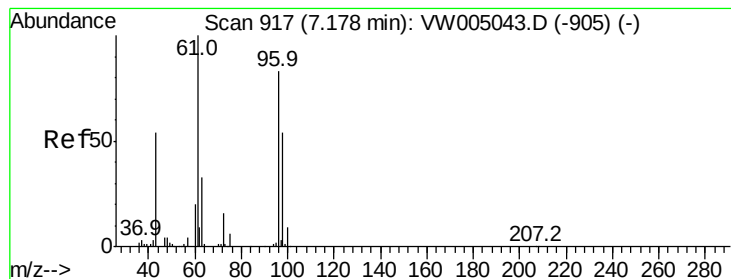
Tgt Ion: 43 Resp: 276203

Ion Ratio Lower Upper

43 100

72 29.4 14.4 43.2



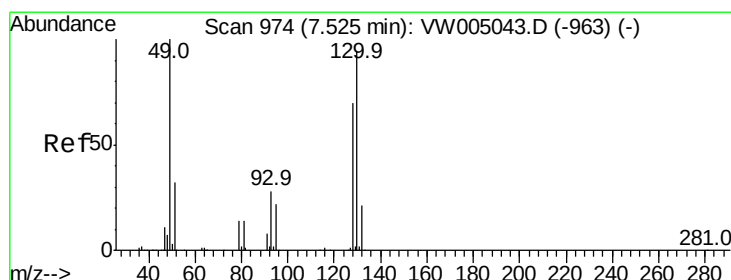
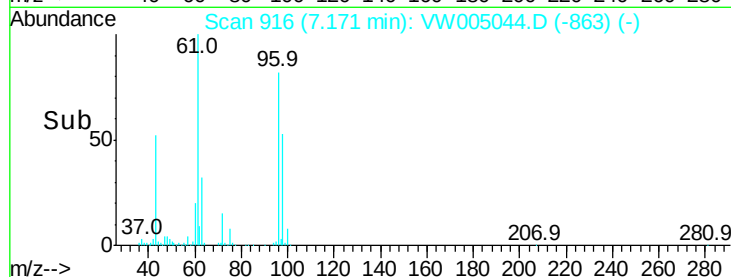
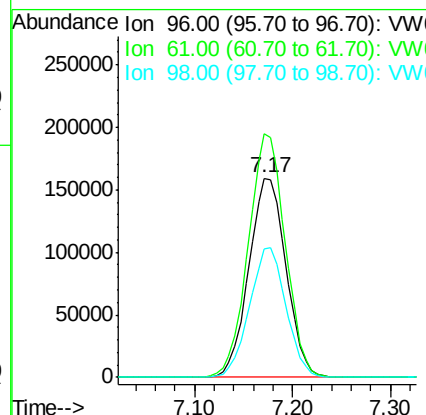
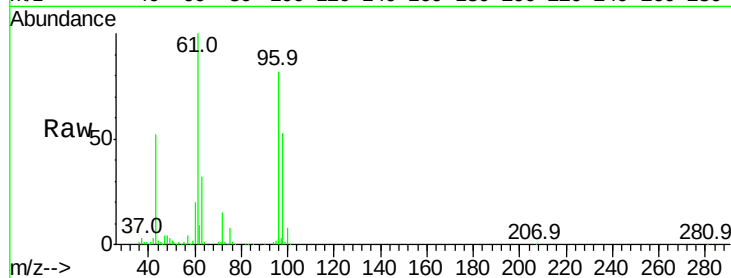


#22

cis-1,2-Dichloroethene
Concen: 45.987 ug/L
RT: 7.17 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW005044.D
Acq: 31 Aug 2018 15:15

Instrument :
MSVOA_W
ClientSampled :
VSTD05090

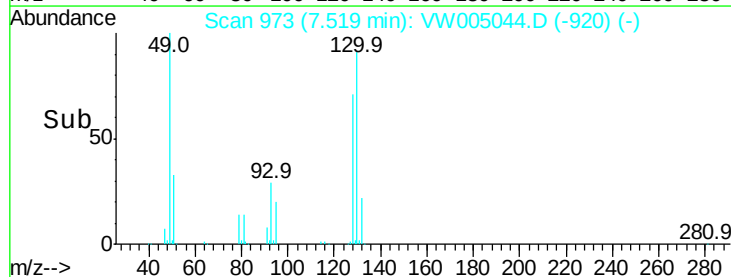
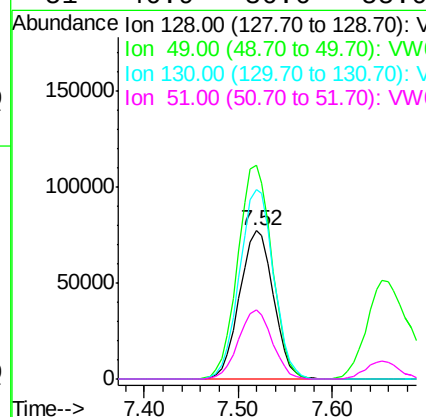
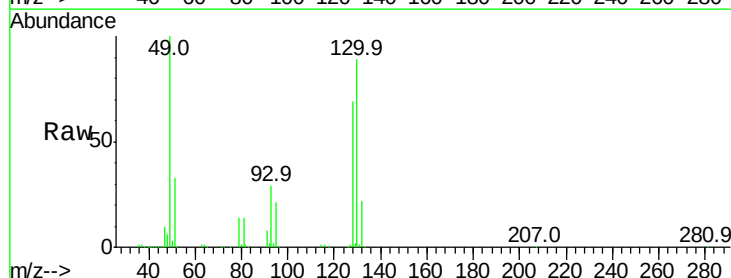
Tgt Ion: 96 Resp: 420195
Ion Ratio Lower Upper
96 100
61 122.2 84.8 157.4
98 64.5 45.8 85.2

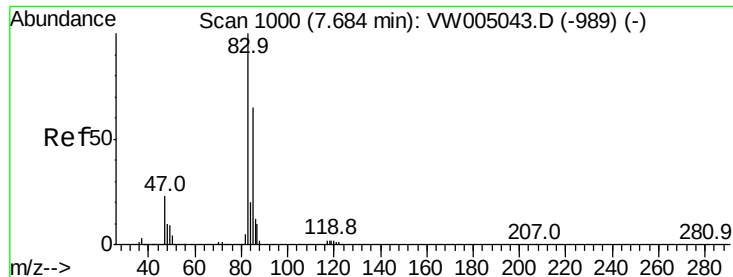


#23

Bromochloromethane
Concen: 39.973 ug/L
RT: 7.52 min Scan# 973
Delta R.T. -0.01 min
Lab File: VW005044.D
Acq: 31 Aug 2018 15:15

Tgt Ion: 128 Resp: 192865
Ion Ratio Lower Upper
128 100
49 143.9 100.0 185.8
130 127.8 94.5 175.5
51 46.9 36.6 55.0





#25

Chloroform

Concen: 43.227 ug/L

RT: 7.68 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

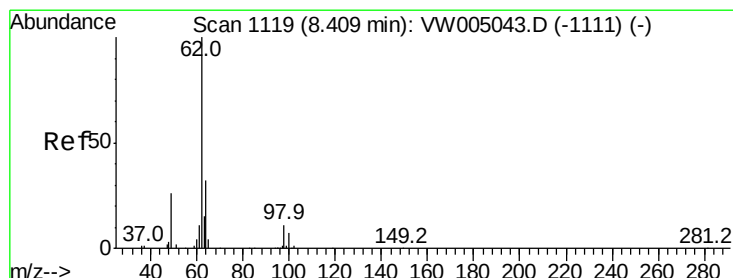
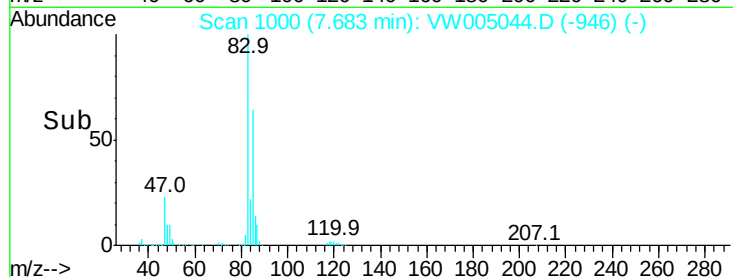
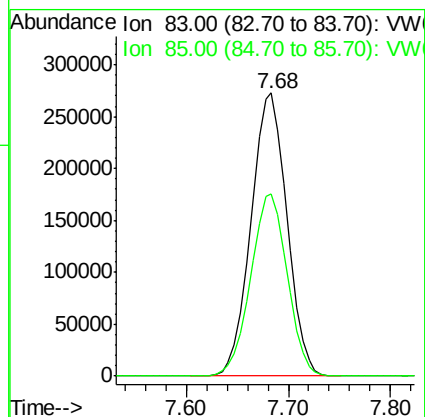
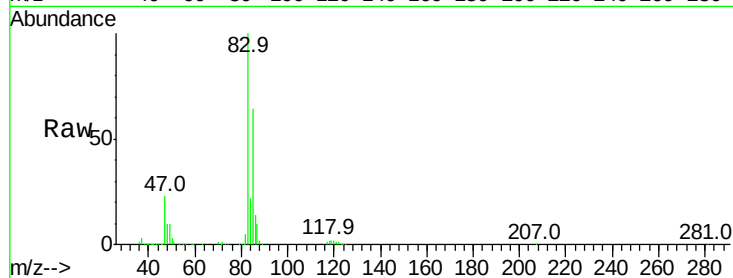
VSTD05090

Tgt Ion: 83 Resp: 669662

Ion Ratio Lower Upper

83 100

85 65.7 46.0 85.4



#27

1,2-Dichloroethane

Concen: 43.471 ug/L

RT: 8.41 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VW005044.D

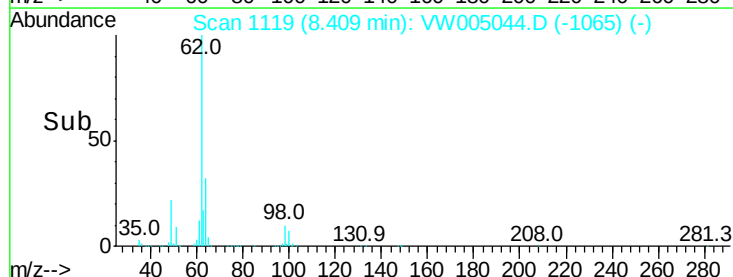
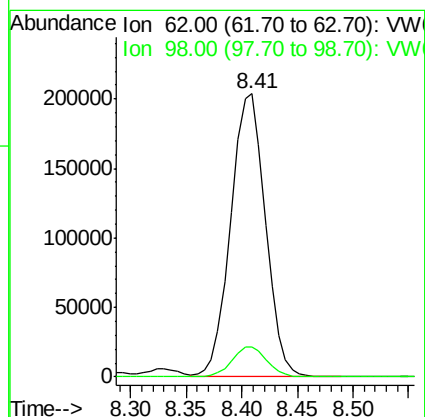
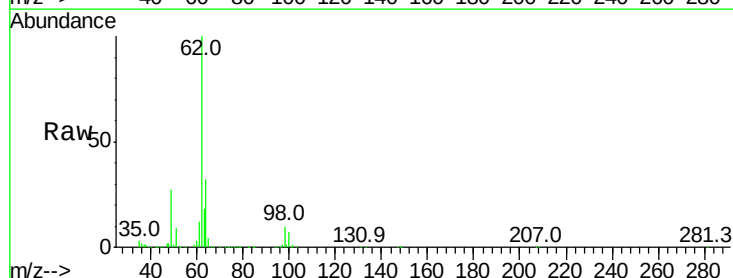
Acq: 31 Aug 2018 15:15

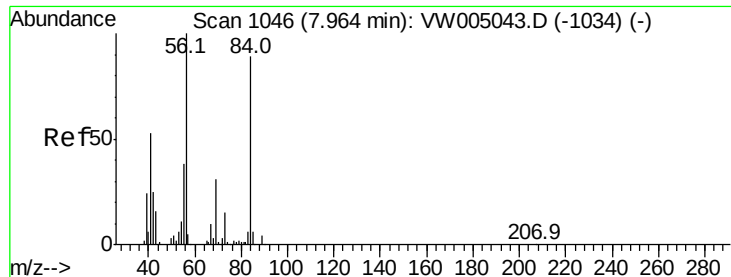
Tgt Ion: 62 Resp: 441404

Ion Ratio Lower Upper

62 100

98 10.5 8.4 12.6

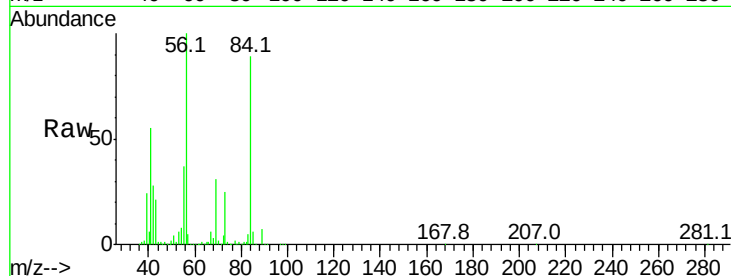




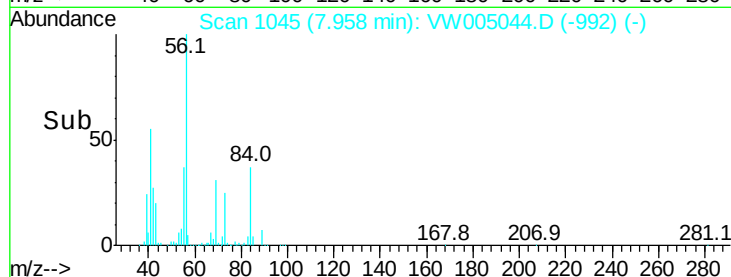
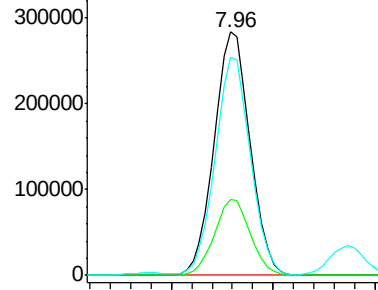
#30
Cyclohexane
Concen: 46.006 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VW005044.D
Acq: 31 Aug 2018 15:15

Instrument :
MSVOA_W
ClientSampleId :
VSTD05090

Tgt Ion: 56 Resp: 695187
Ion Ratio Lower Upper
56 100
69 31.2 25.0 37.6
84 88.6 71.4 107.0

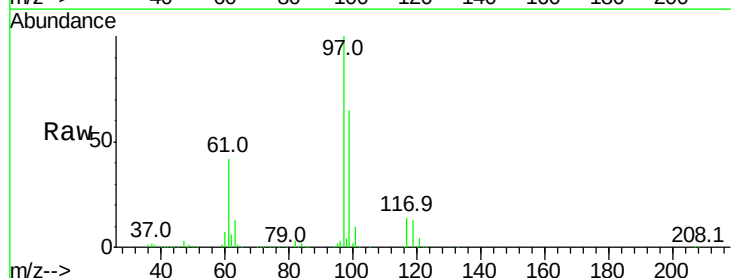
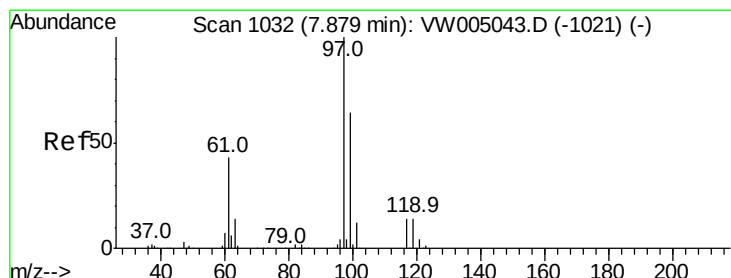


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

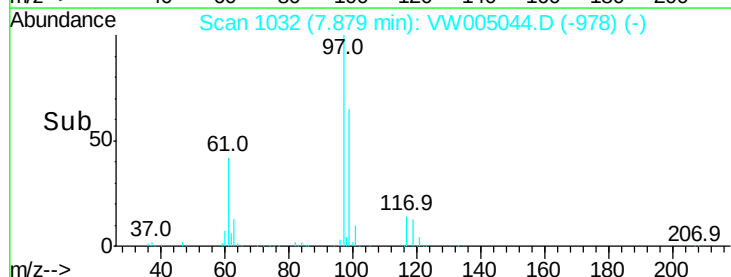
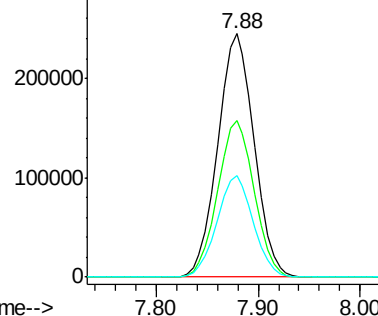


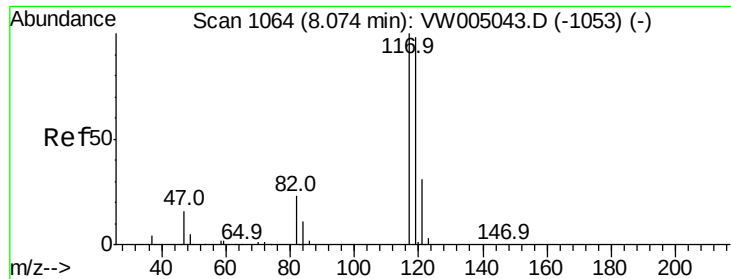
#31
1,1,1-Trichloroethane
Concen: 44.475 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW005044.D
Acq: 31 Aug 2018 15:15

Tgt Ion: 97 Resp: 608082
Ion Ratio Lower Upper
97 100
99 64.5 51.4 77.2
61 41.5 33.4 50.0



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 45.411 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

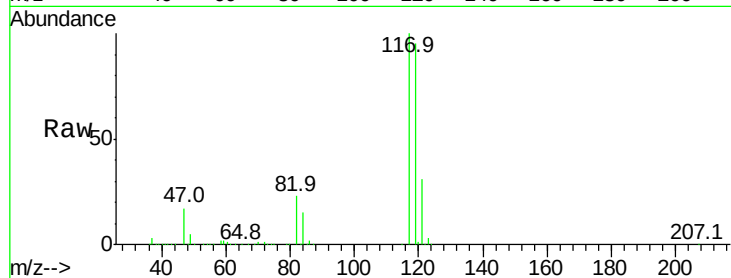
VSTD05090

Tgt Ion:117 Resp: 555344

Ion Ratio Lower Upper

117 100

119 96.3 78.1 117.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

250000

200000

150000

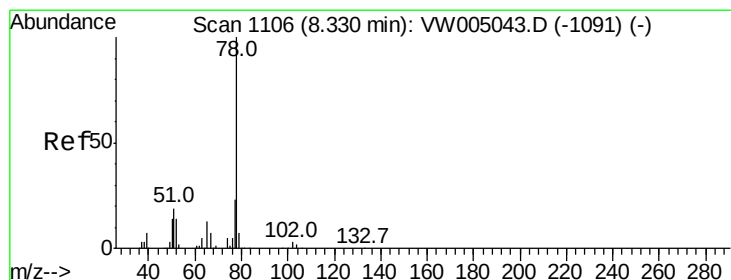
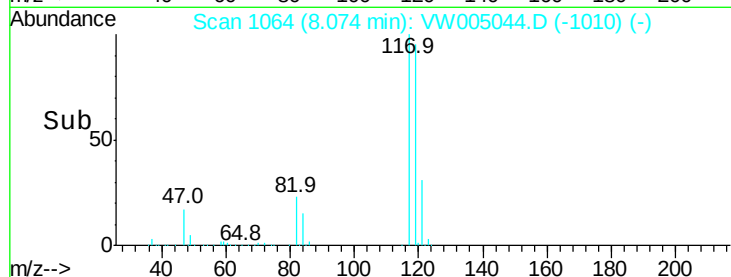
100000

50000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 42.858 ug/L

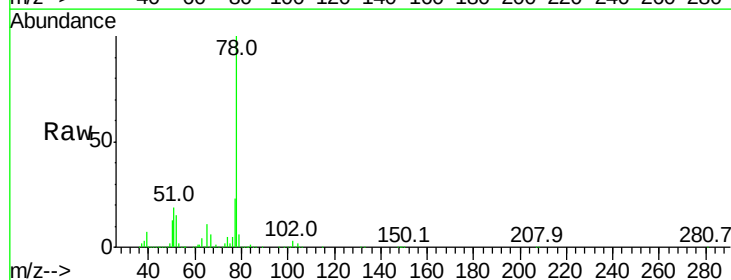
RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Tgt Ion: 78 Resp: 1734661



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

800000

600000

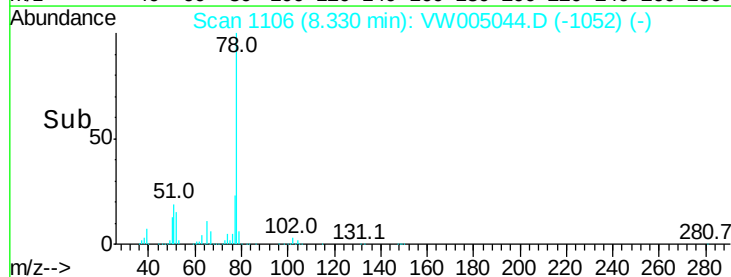
400000

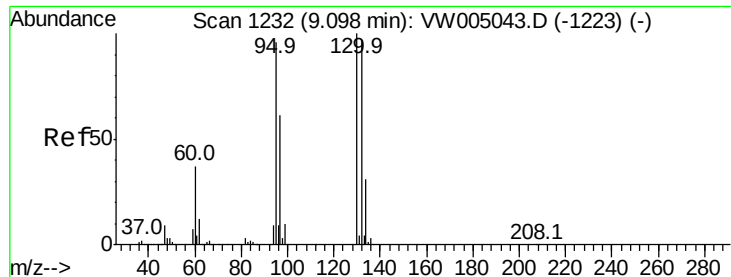
200000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 44.227 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_W

ClientSampled :

VSTD05090

Tgt Ion: 95 Resp: 445114

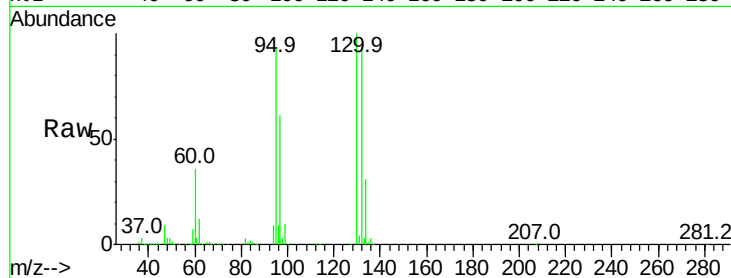
Ion Ratio Lower Upper

95 100

97 64.6 44.9 83.5

132 100.9 72.3 134.3

130 106.1 74.0 137.4

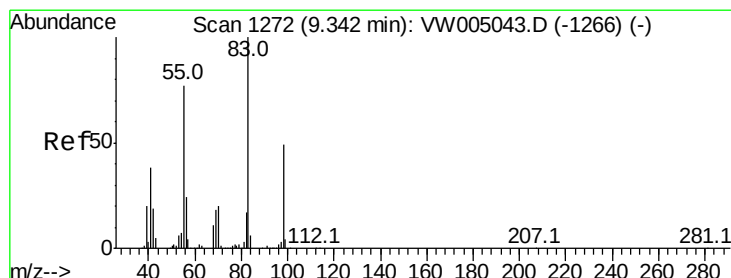
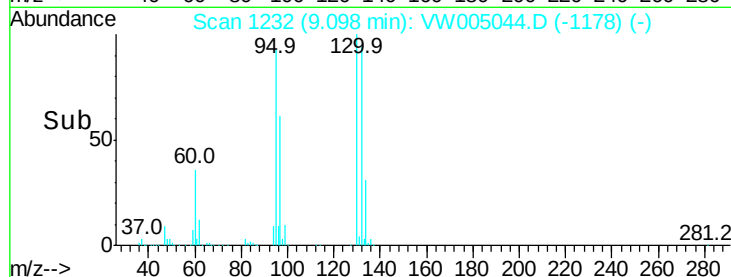
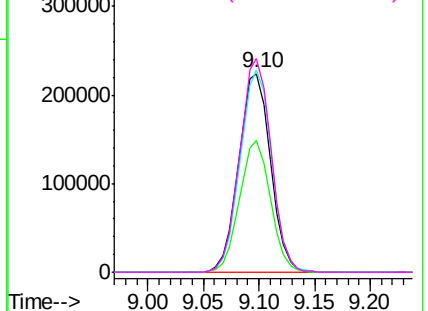


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 43.062 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

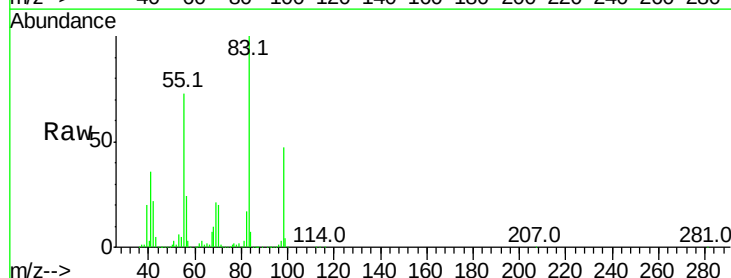
Tgt Ion: 83 Resp: 801625

Ion Ratio Lower Upper

83 100

55 73.6 59.5 89.3

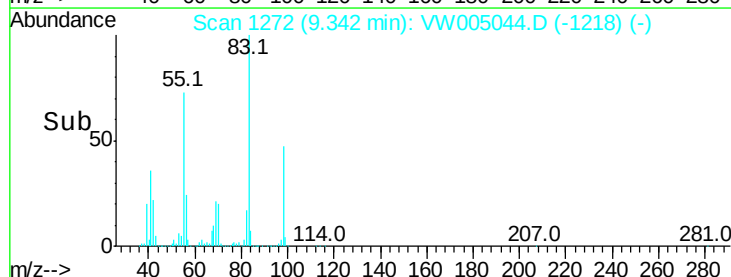
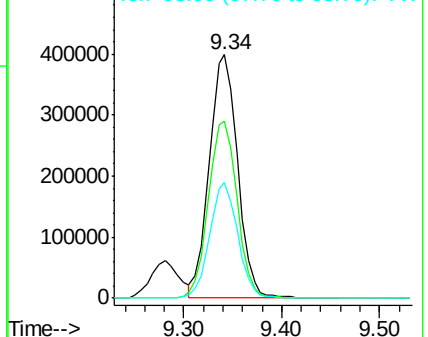
98 46.5 37.4 56.2

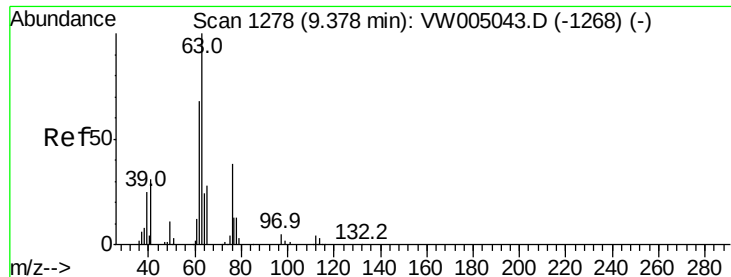


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

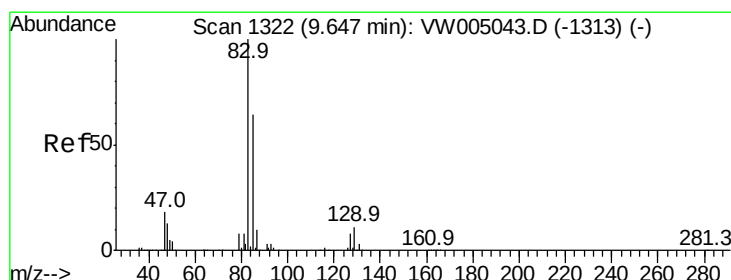
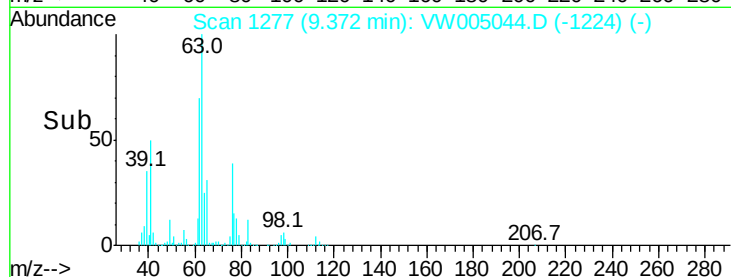
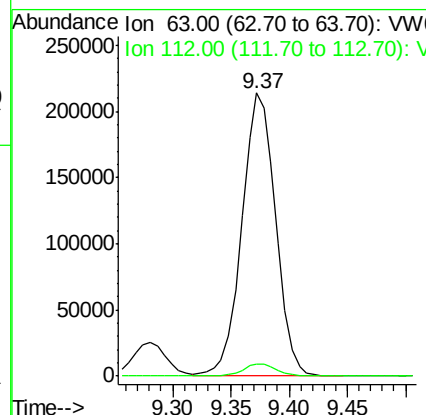
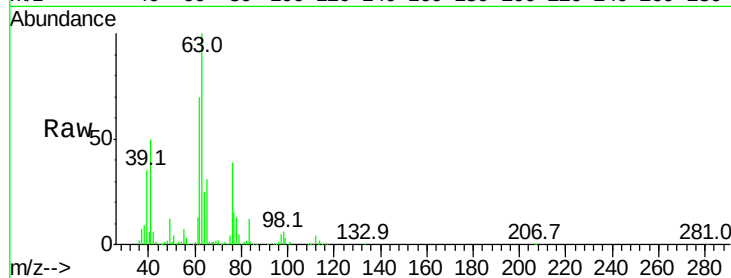




#40
 1,2-Dichloropropane
 Concen: 43.245 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VW005044.D
 Acq: 31 Aug 2018 15:15

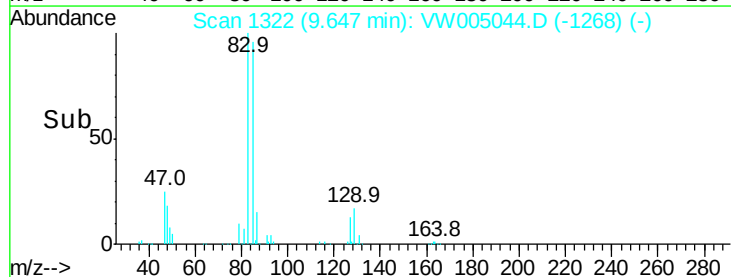
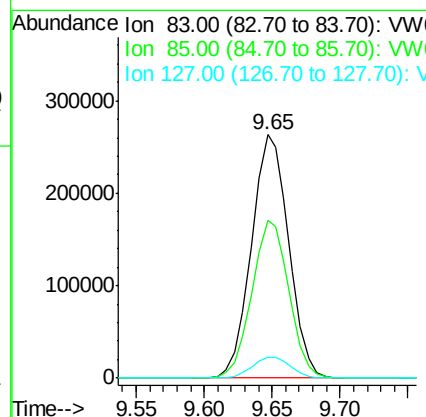
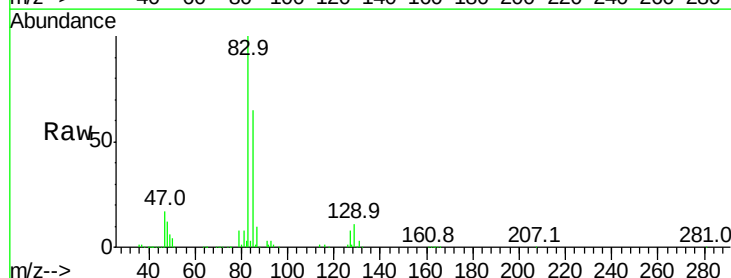
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05090

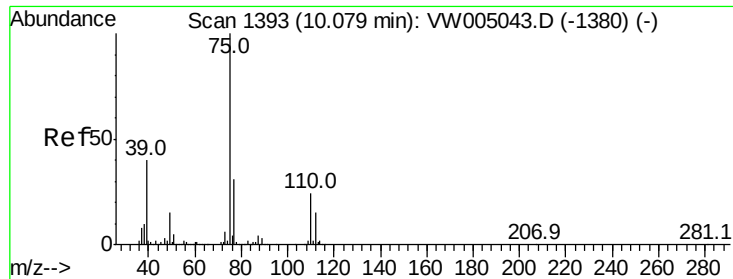
Tgt Ion: 63 Resp: 430560
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#41
 Bromodichloromethane
 Concen: 46.020 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW005044.D
 Acq: 31 Aug 2018 15:15

Tgt Ion: 83 Resp: 504871
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.6 82.8
 127 8.5 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 48.476 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

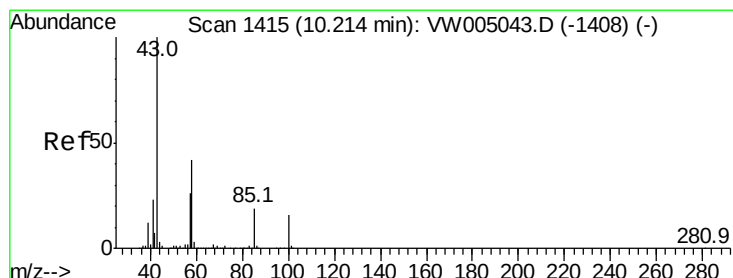
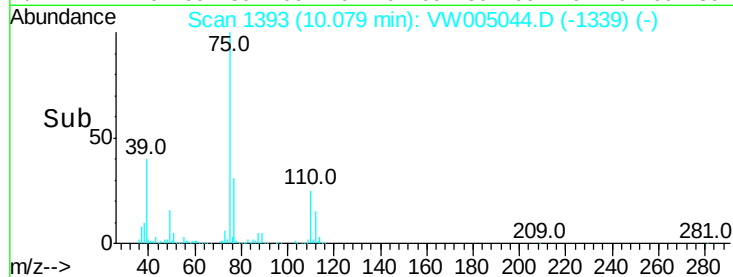
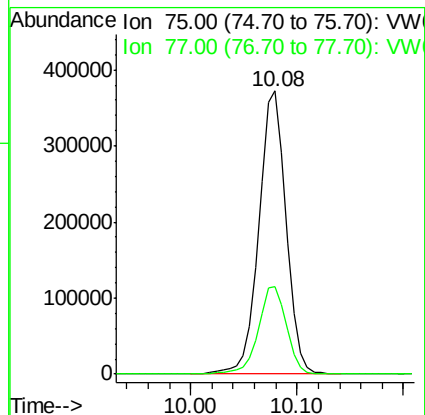
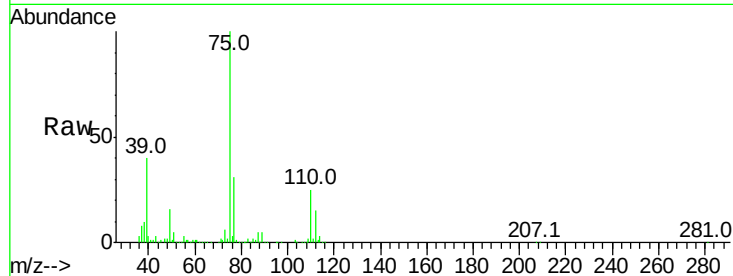
VSTD05090

Tgt Ion: 75 Resp: 669973

Ion Ratio Lower Upper

75 100

77 30.8 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 92.496 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

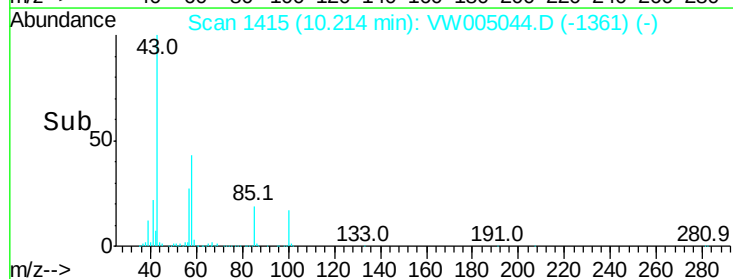
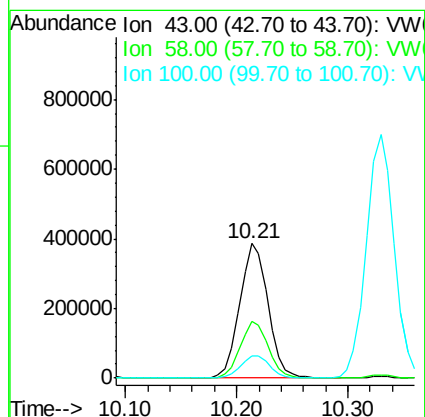
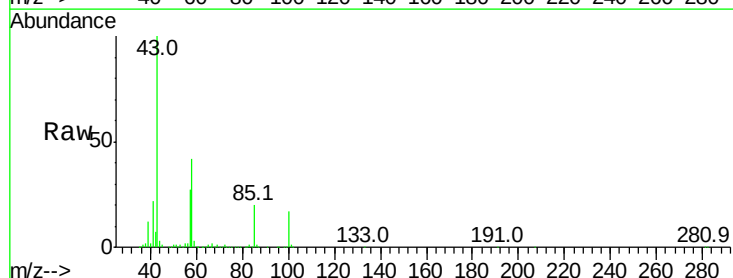
Tgt Ion: 43 Resp: 679830

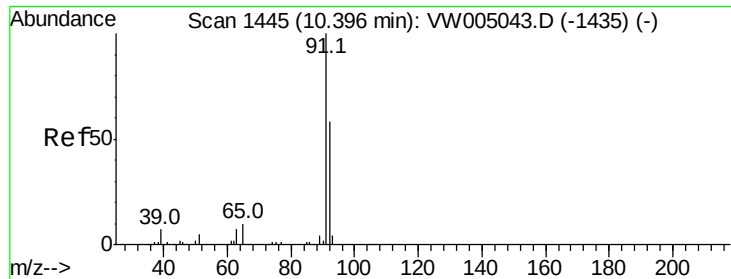
Ion Ratio Lower Upper

43 100

58 42.0 33.4 50.0

100 17.1 13.4 20.2





#44

Toluene

Concen: 42.512 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_W

ClientSampled :

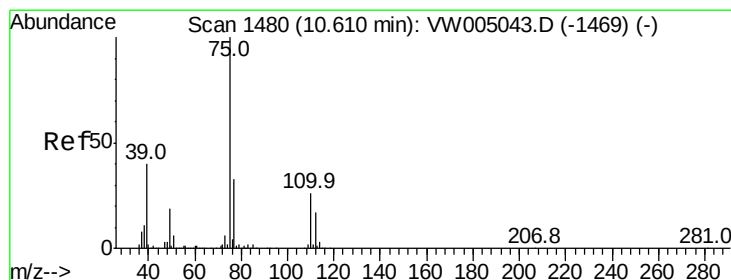
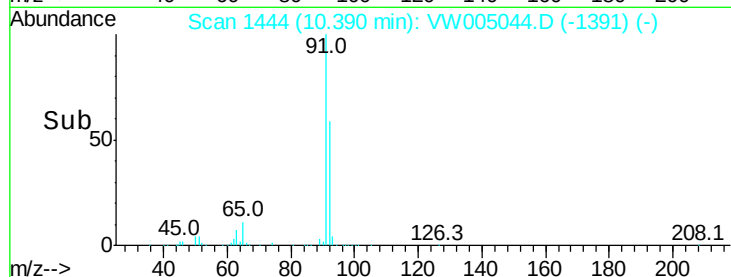
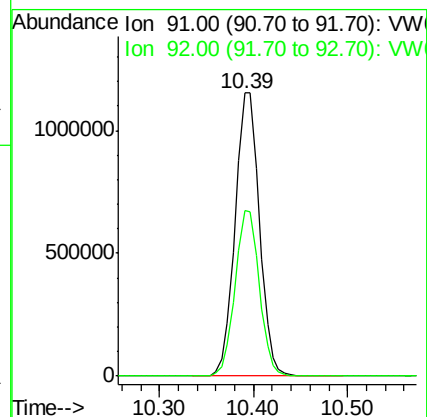
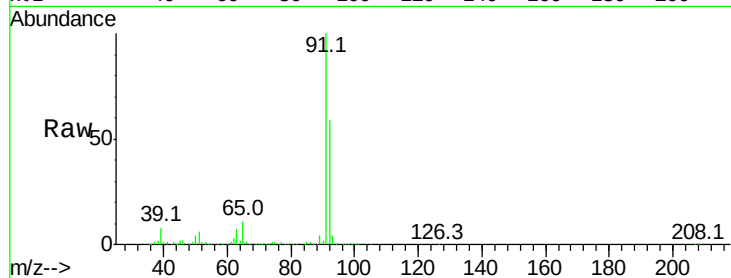
VSTD05090

Tgt Ion: 91 Resp: 2066377

Ion Ratio Lower Upper

91 100

92 58.5 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 46.868 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW005044.D

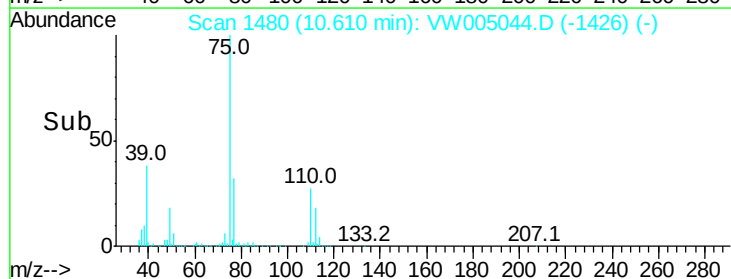
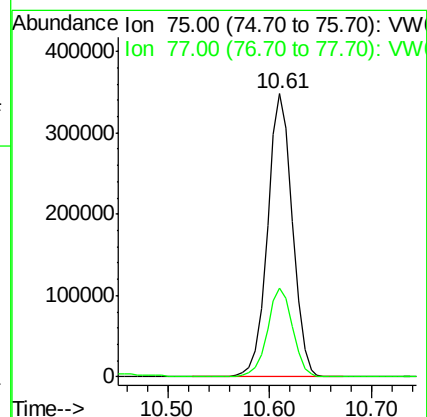
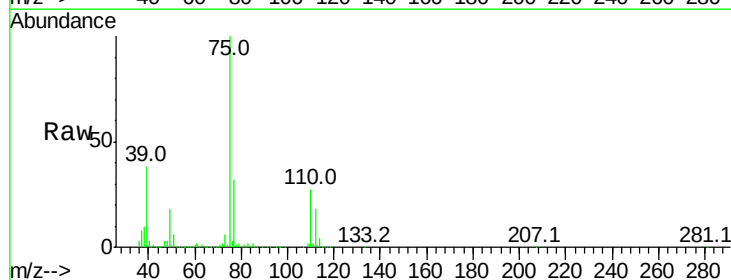
Acq: 31 Aug 2018 15:15

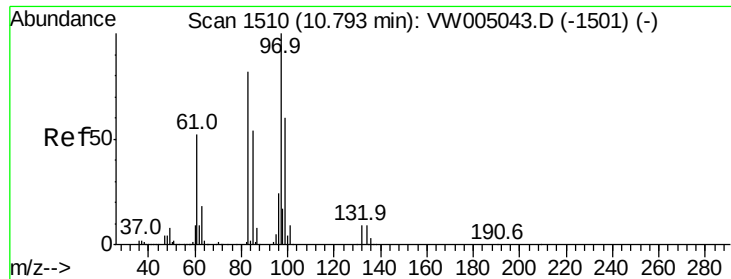
Tgt Ion: 75 Resp: 587470

Ion Ratio Lower Upper

75 100

77 31.5 23.2 43.0

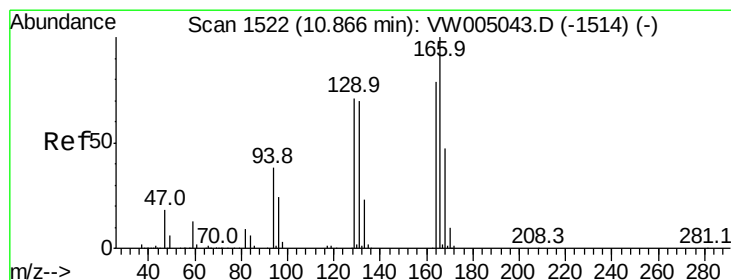
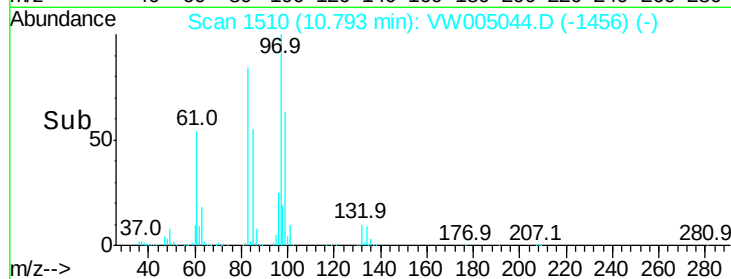
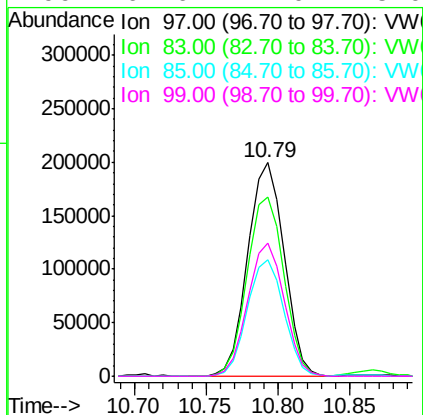
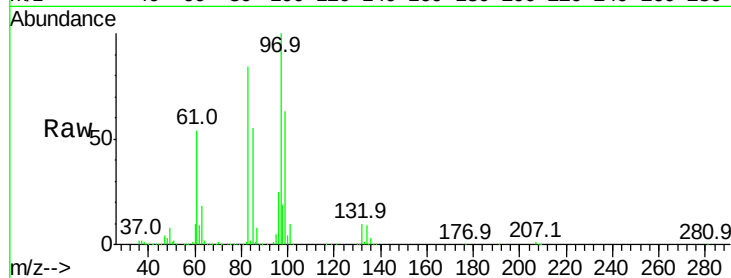




#46
 1,1,2-Trichloroethane
 Concen: 44.874 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW005044.D
 Acq: 31 Aug 2018 15:15

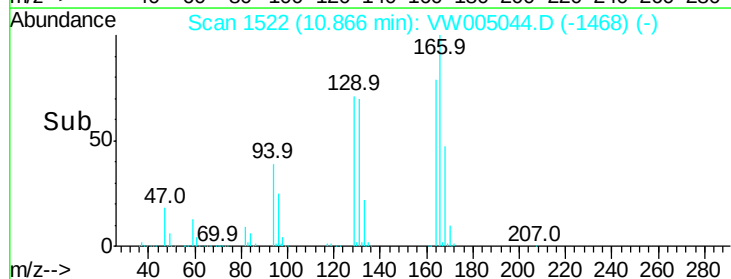
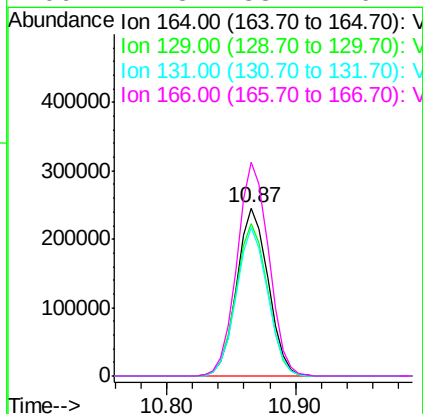
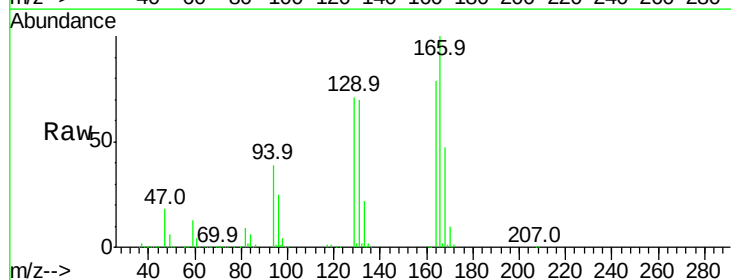
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05090

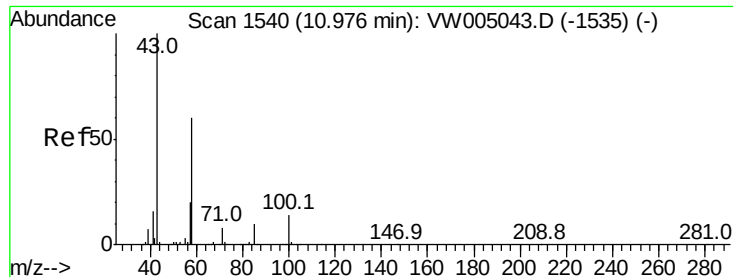
Tgt Ion:	97	Resp:	348735
Ion	Ratio	Lower	Upper
97	100		
83	84.2	57.3	106.5
85	54.7	37.8	70.2
99	62.6	42.0	78.0



#47
 Tetrachloroethene
 Concen: 42.125 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW005044.D
 Acq: 31 Aug 2018 15:15

Tgt Ion:	164	Resp:	415060
Ion	Ratio	Lower	Upper
164	100		
129	91.0	62.6	116.2
131	88.8	61.9	115.1
166	127.3	88.7	164.7

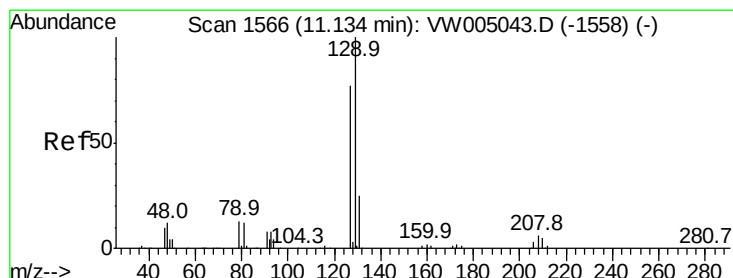
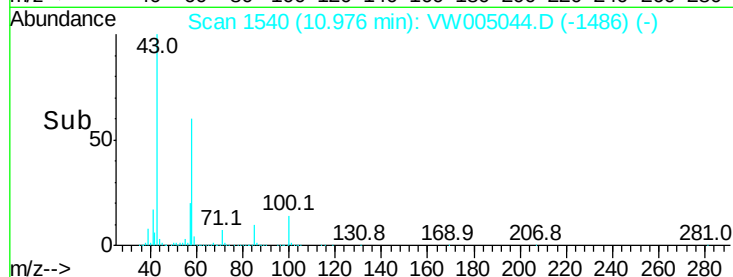
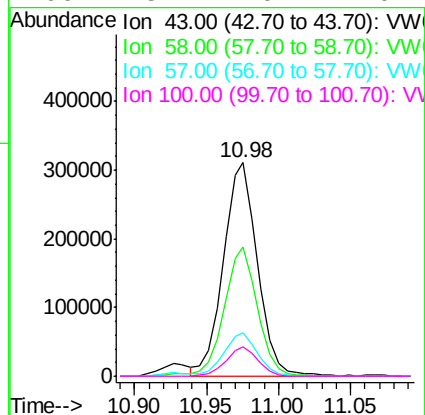
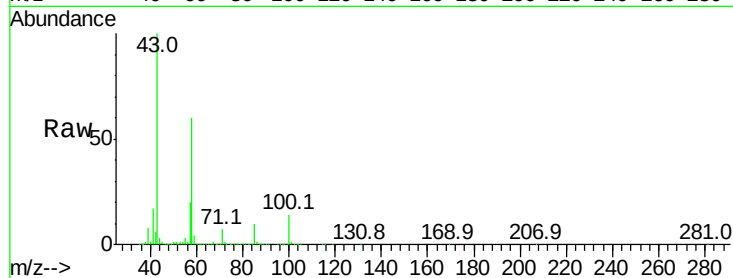




#49
2-Hexanone
Concen: 90.702 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW005044.D
Acq: 31 Aug 2018 15:15

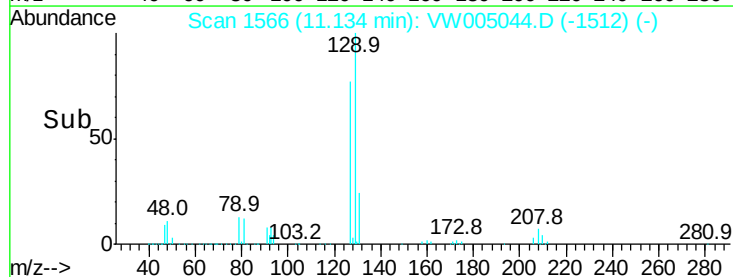
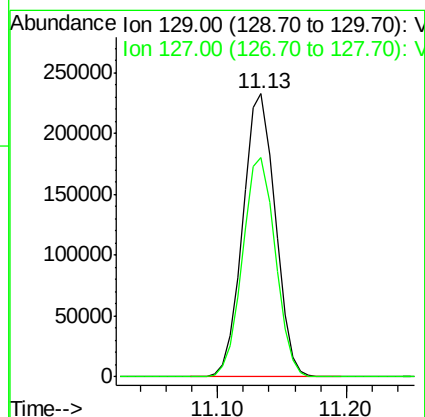
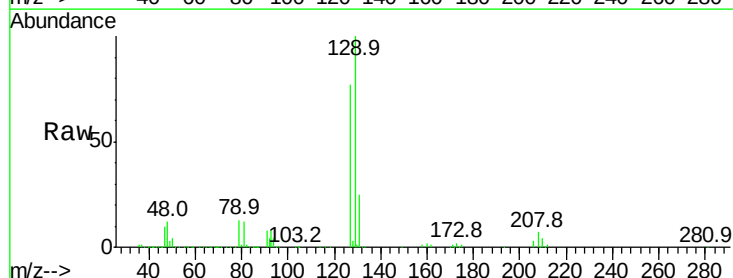
Instrument :
MSVOA_W
ClientSampleId :
VSTD05090

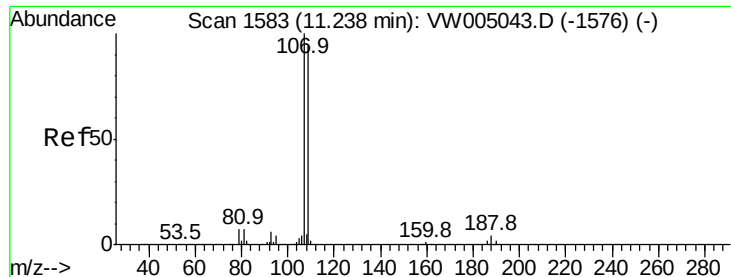
Tgt Ion:	43	Resp:	515168
Ion	Ratio	Lower	Upper
43	100		
58	58.0	45.8	68.8
57	20.1	15.9	23.9
100	13.1	10.7	16.1



#50
Dibromochloromethane
Concen: 46.943 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW005044.D
Acq: 31 Aug 2018 15:15

Tgt Ion:	129	Resp:	405013
Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.1	100.5

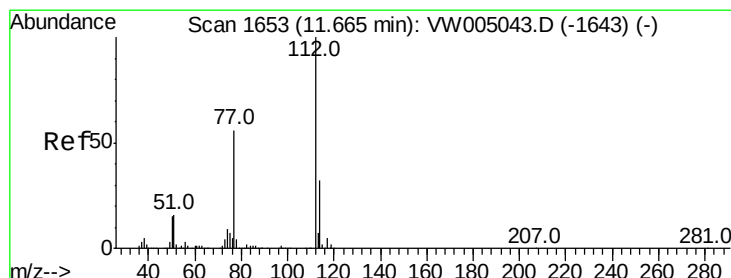
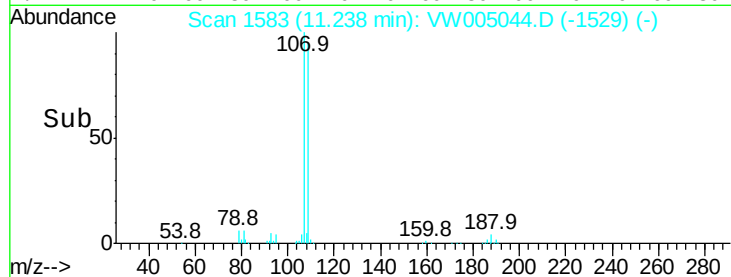
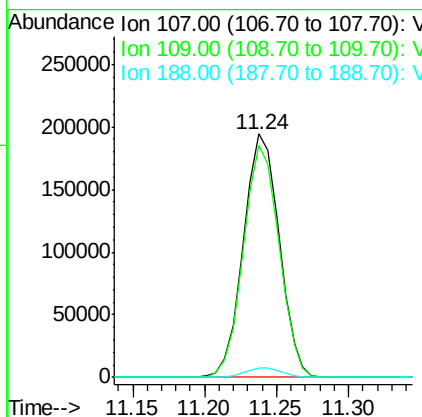
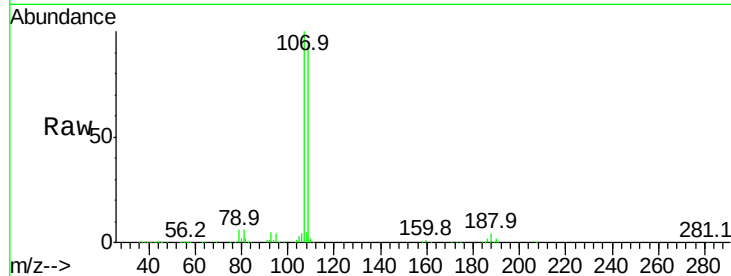




#51
 1,2-Dibromoethane
 Concen: 43.956 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW005044.D
 Acq: 31 Aug 2018 15:15

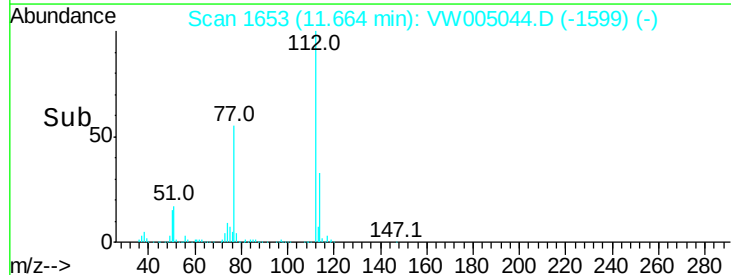
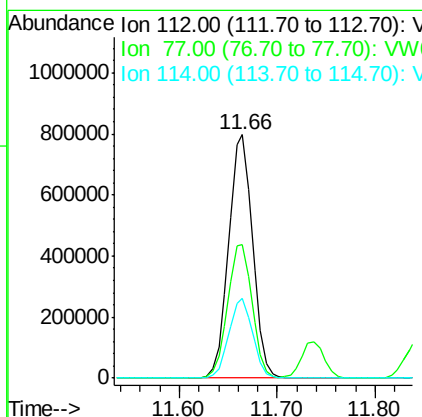
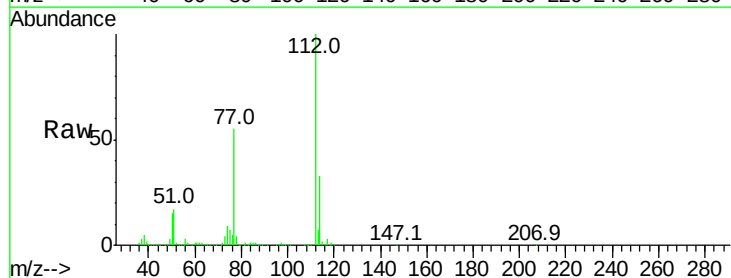
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05090

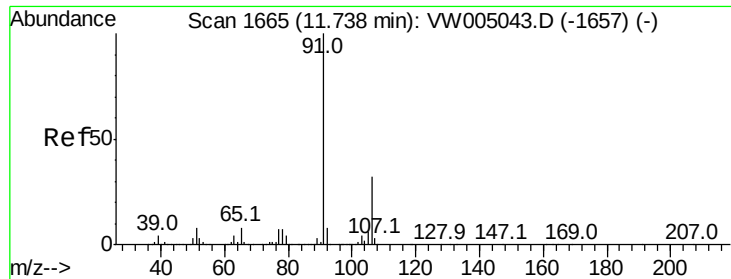
Tgt Ion:107 Resp: 335325
 Ion Ratio Lower Upper
 107 100
 109 95.3 65.9 122.5
 188 3.9 2.8 4.2



#52
 Chlorobenzene
 Concen: 41.919 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VW005044.D
 Acq: 31 Aug 2018 15:15

Tgt Ion:112 Resp: 1353530
 Ion Ratio Lower Upper
 112 100
 77 55.0 44.5 66.7
 114 32.6 22.3 41.3





#53

Ethylbenzene

Concen: 43.091 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

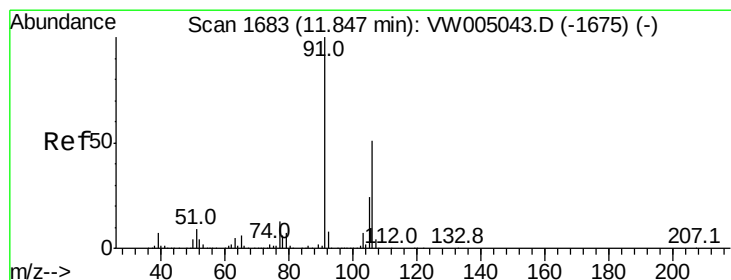
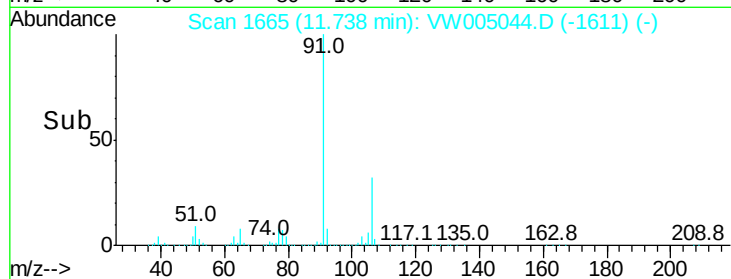
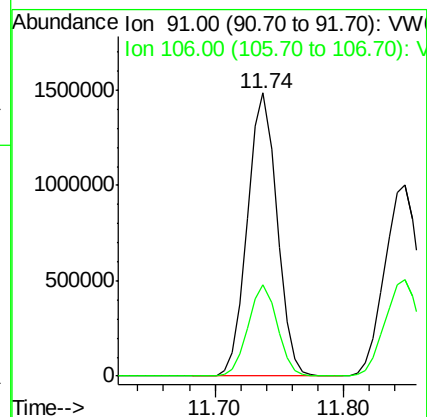
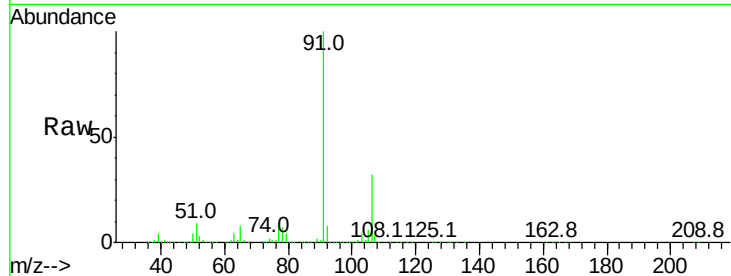
VSTD05090

Tgt Ion: 91 Resp: 2356838

Ion Ratio Lower Upper

91 100

106 32.3 22.5 41.7



#54

m,p-Xylene

Concen: 44.445 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW005044.D

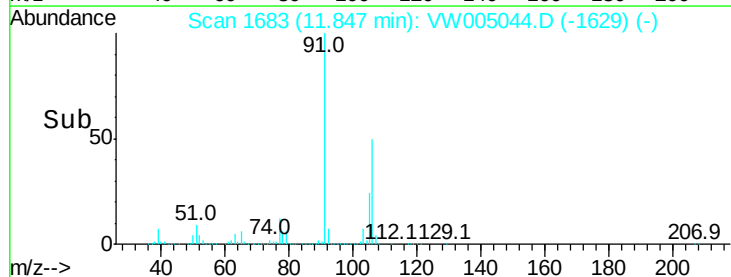
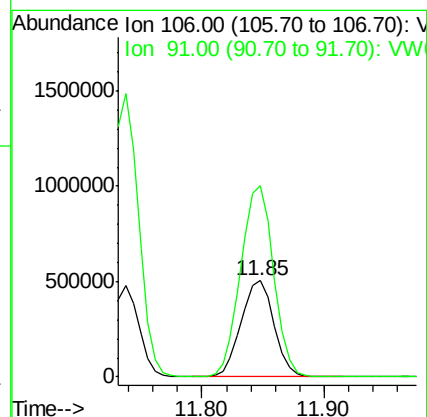
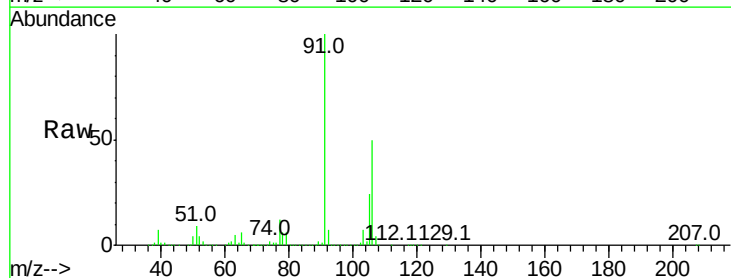
Acq: 31 Aug 2018 15:15

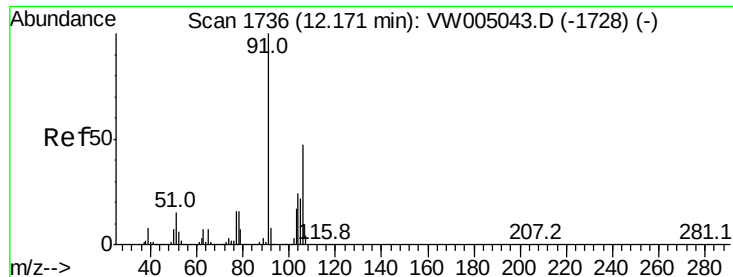
Tgt Ion: 106 Resp: 943072

Ion Ratio Lower Upper

106 100

91 198.5 136.8 254.0





#55

o-xylene

Concen: 44.936 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

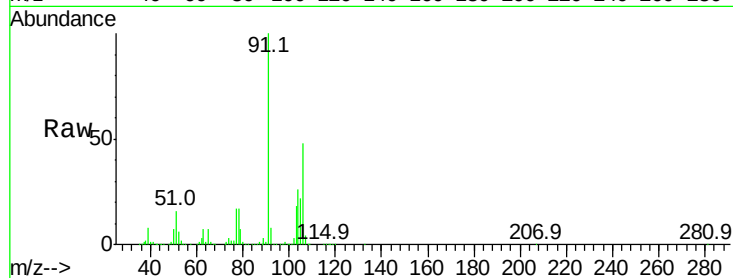
VSTD05090

Tgt Ion:106 Resp: 890882

Ion Ratio Lower Upper

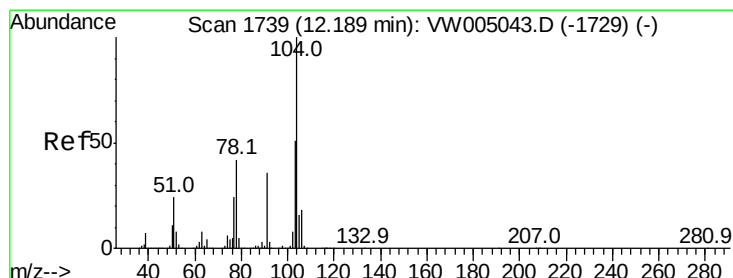
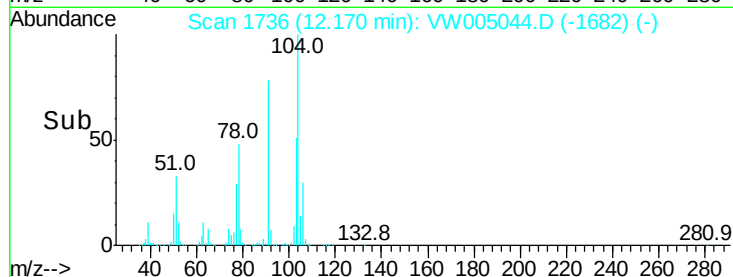
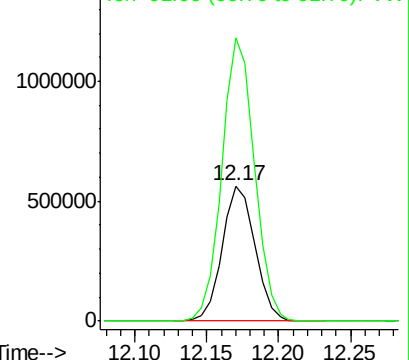
106 100

91 209.0 147.8 274.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 45.730 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW005044.D

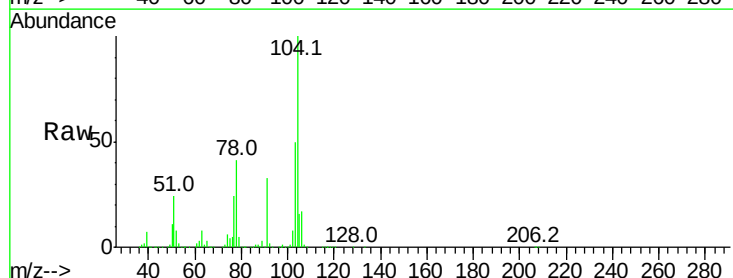
Acq: 31 Aug 2018 15:15

Tgt Ion:104 Resp: 1557690

Ion Ratio Lower Upper

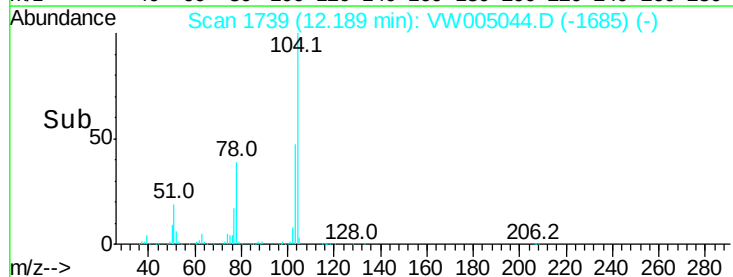
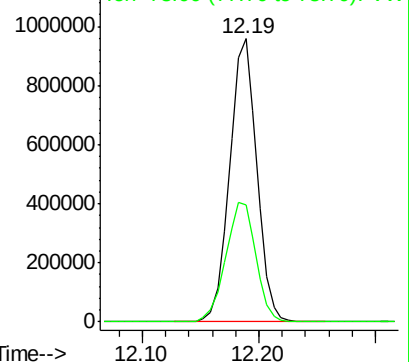
104 100

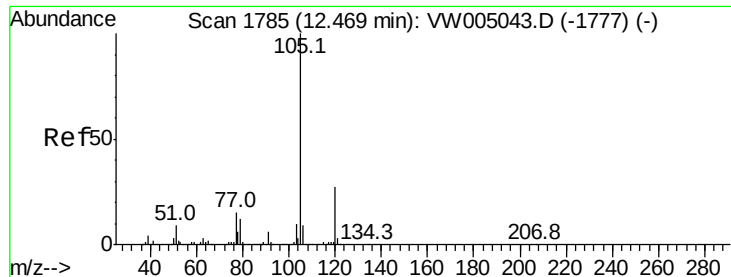
78 41.4 29.7 55.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 45.112 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05090

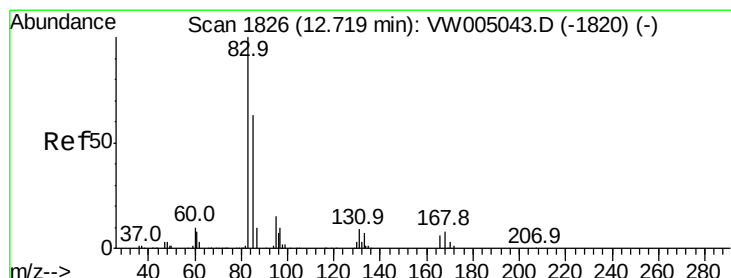
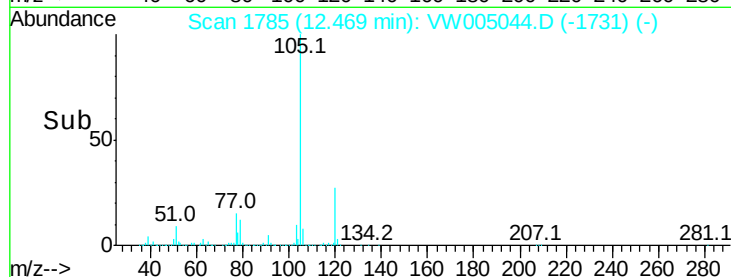
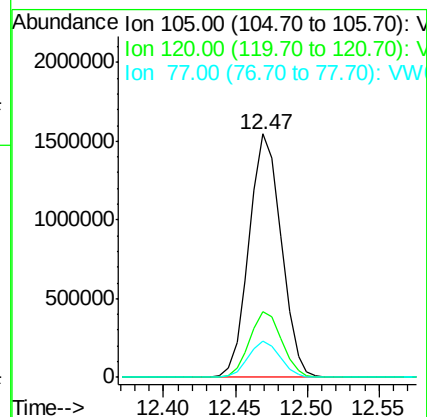
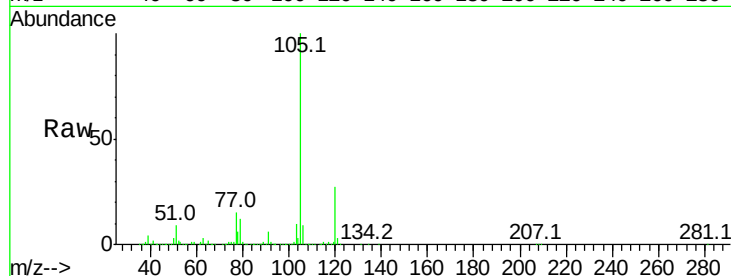
Tgt Ion:105 Resp: 2388914

Ion Ratio Lower Upper

105 100

120 26.8 21.6 32.4

77 14.6 11.8 17.8



#58

1,1,2,2-Tetrachloroethane

Concen: 42.815 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

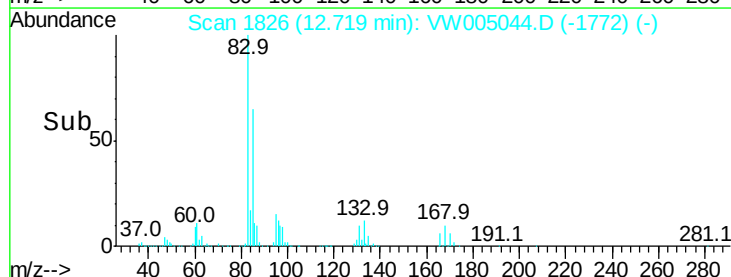
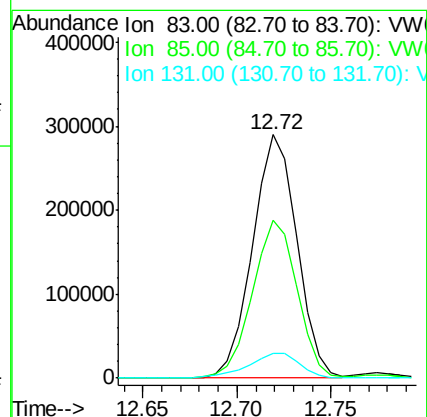
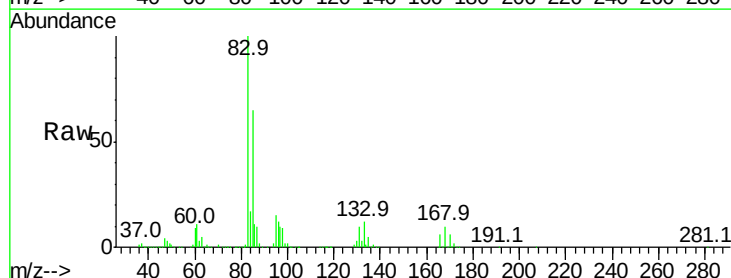
Tgt Ion: 83 Resp: 474215

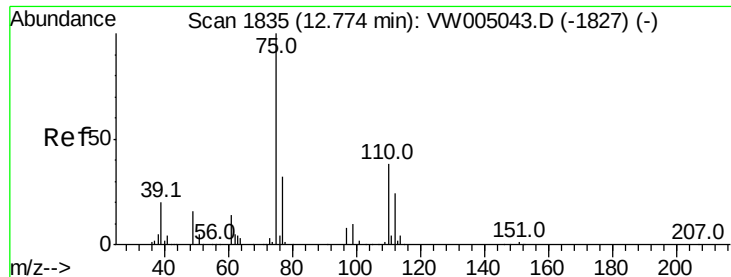
Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.5

131 10.2 7.9 11.9





#59

1,2,3-Trichloropropane

Concen: 42.688 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

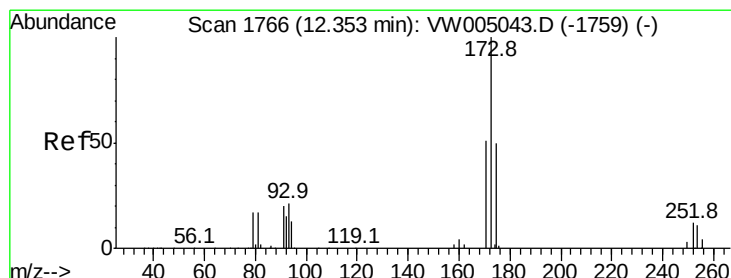
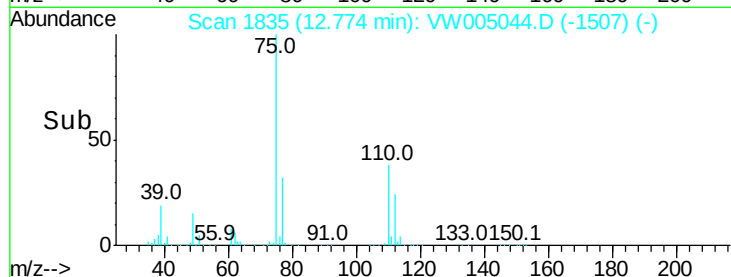
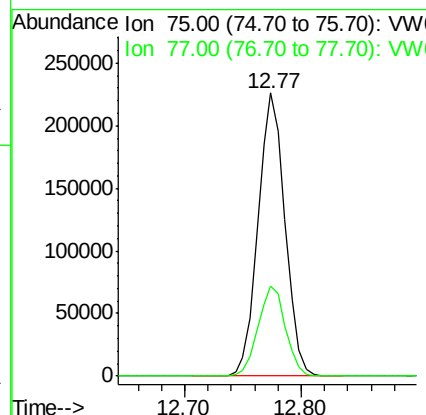
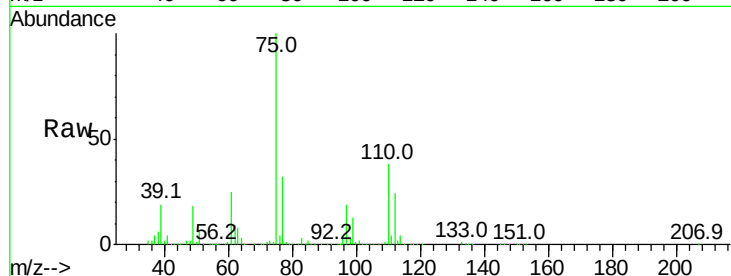
VSTD05090

Tgt Ion: 75 Resp: 364324

Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5



#62

Bromoform

Concen: 44.726 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

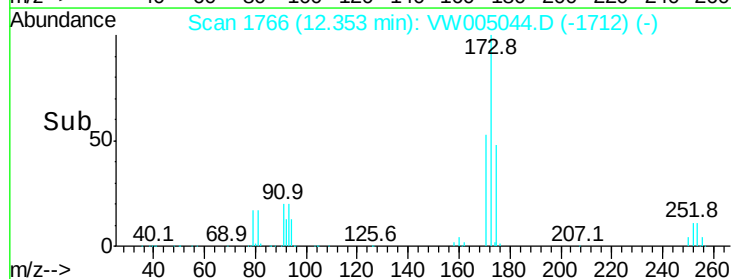
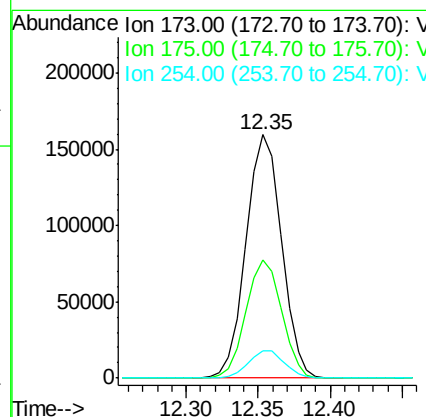
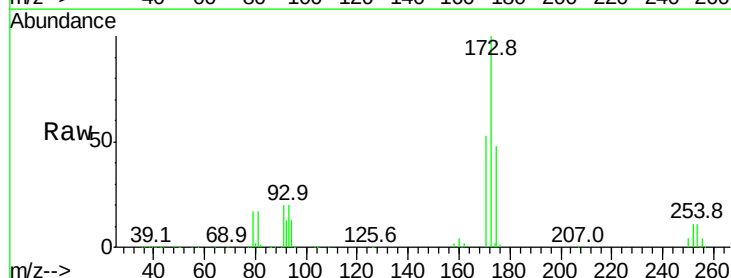
Tgt Ion: 173 Resp: 272488

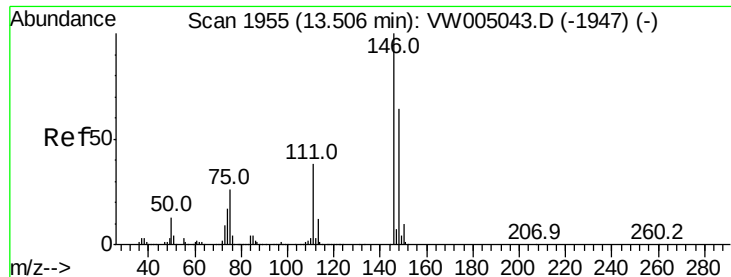
Ion Ratio Lower Upper

173 100

175 48.7 39.5 59.3

254 11.4 9.4 14.0





#63

1,3-Dichlorobenzene

Concen: 42.813 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05090

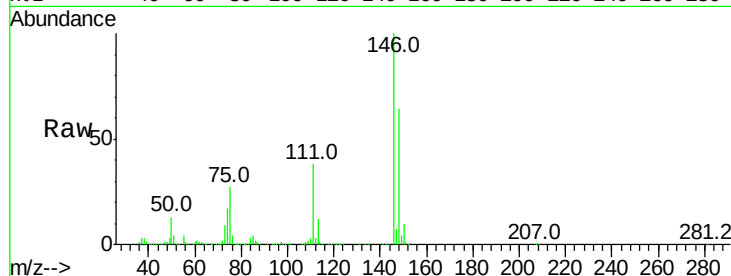
Tgt Ion:146 Resp: 1133384

Ion Ratio Lower Upper

146 100

111 38.0 26.8 49.8

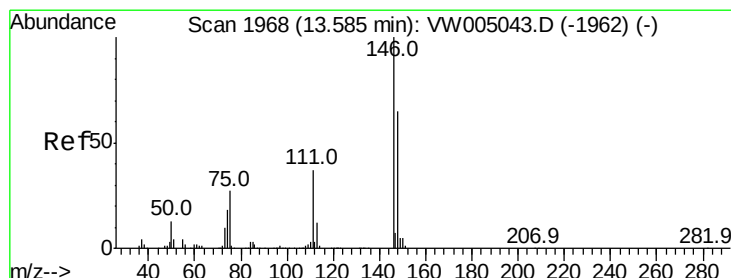
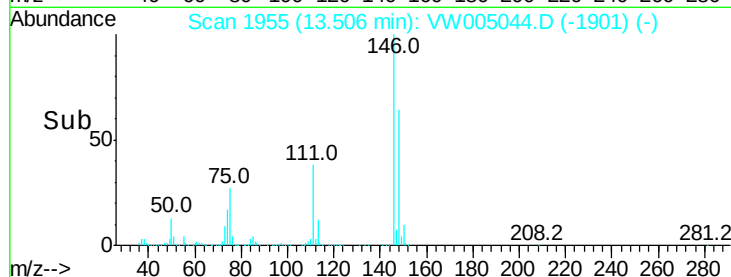
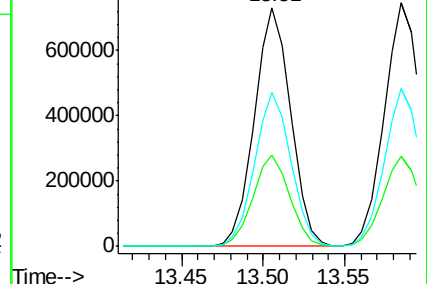
148 64.3 44.7 82.9



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



#64

1,4-Dichlorobenzene

Concen: 42.170 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

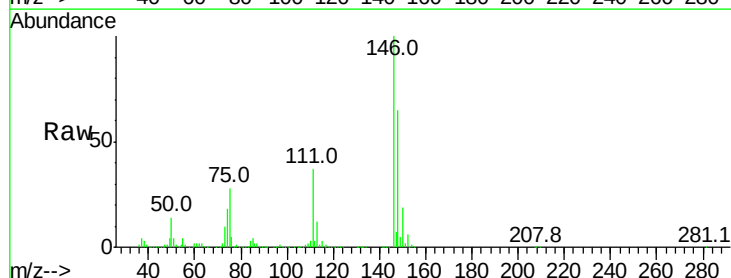
Tgt Ion:146 Resp: 1168741

Ion Ratio Lower Upper

146 100

111 36.9 26.0 48.4

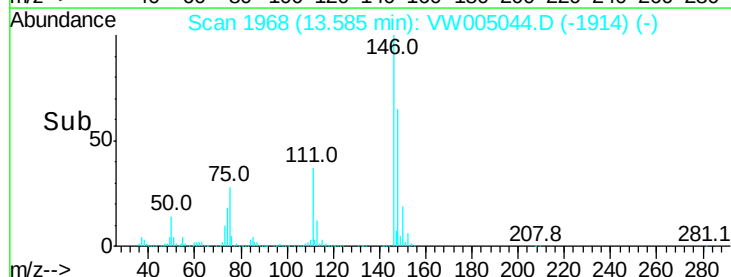
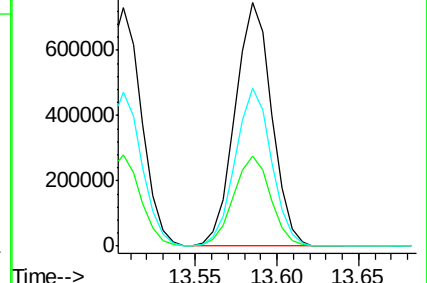
148 64.7 45.4 84.4

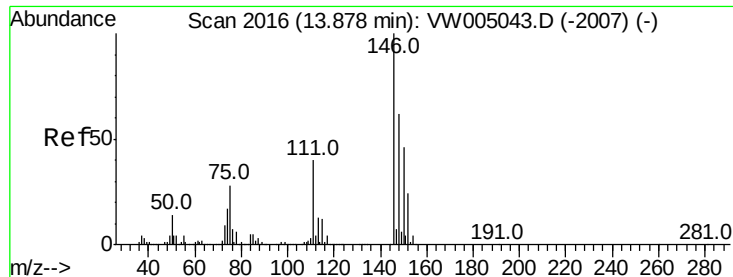


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

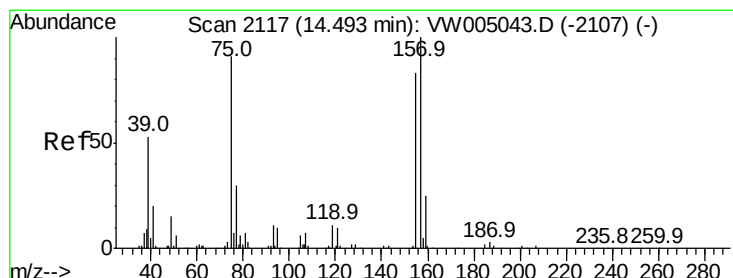
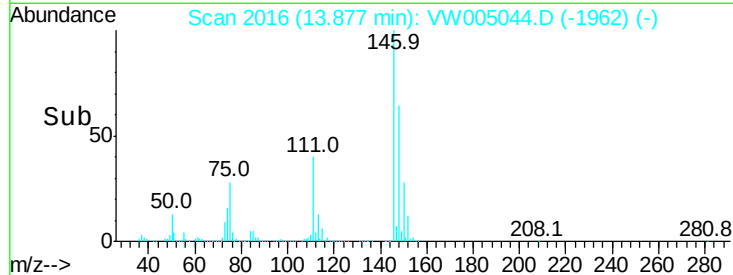
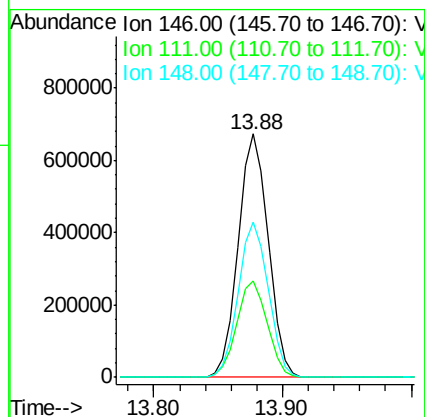
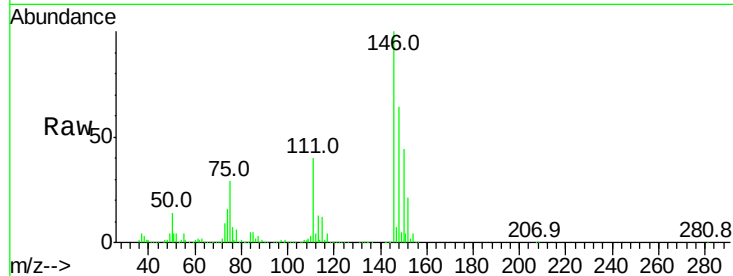




#65
 1,2-Dichlorobenzene
 Concen: 42.773 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW005044.D
 Acq: 31 Aug 2018 15:15

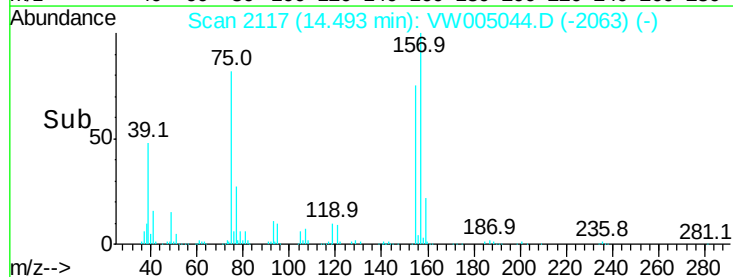
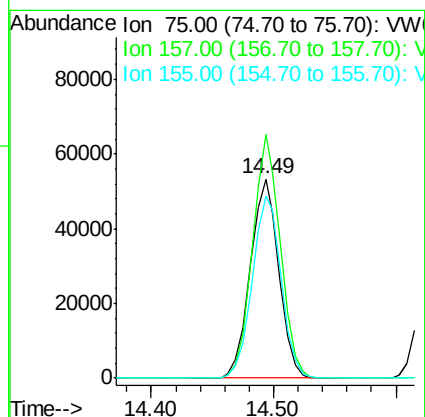
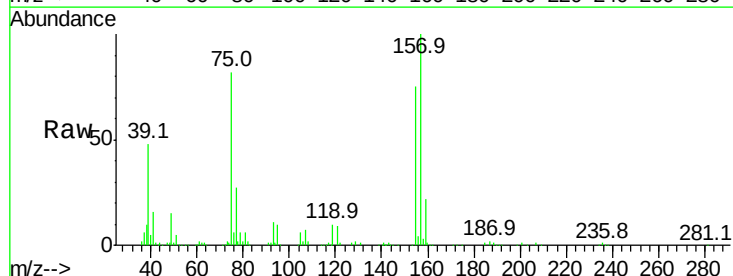
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05090

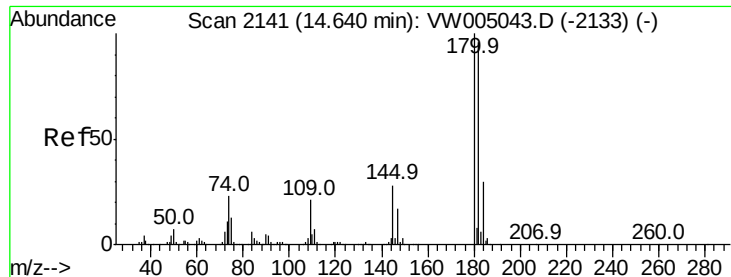
Tgt Ion:146 Resp: 1084951
 Ion Ratio Lower Upper
 146 100
 111 39.7 32.2 48.2
 148 64.0 49.9 74.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 40.119 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW005044.D
 Acq: 31 Aug 2018 15:15

Tgt Ion: 75 Resp: 86297
 Ion Ratio Lower Upper
 75 100
 157 122.3 87.6 131.4
 155 91.4 72.4 108.6





#67

1,3,5-Trichlorobenzene

Concen: 43.083 ug/L

RT: 14.64 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05090

Tgt Ion:180 Resp: 912613

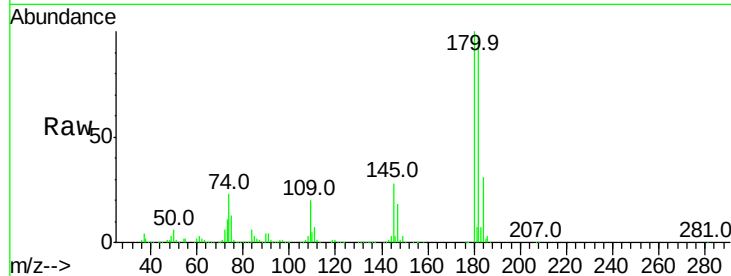
Ion Ratio Lower Upper

180 100

182 95.8 76.6 115.0

184 30.6 24.2 36.4

145 28.5 22.6 33.8

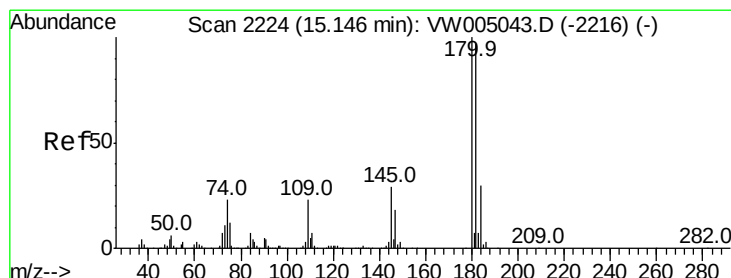
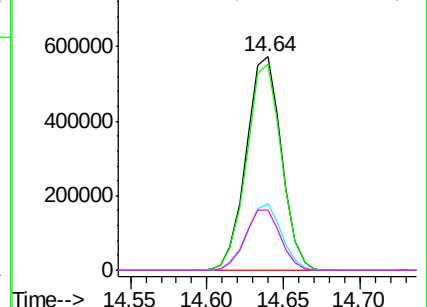
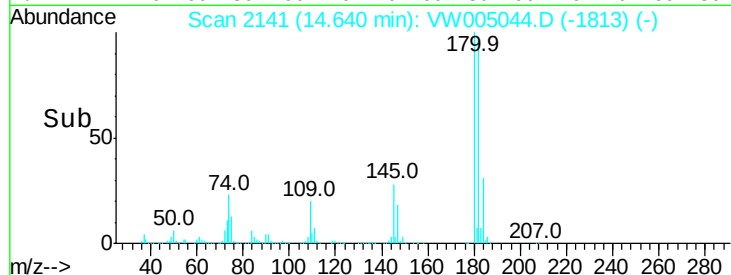


Abundance Ion 180.00 (179.70 to 180.70): V

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: 45.060 ug/L

RT: 15.15 min Scan# 2224

Delta R.T. -0.00 min

Lab File: VW005044.D

Acq: 31 Aug 2018 15:15

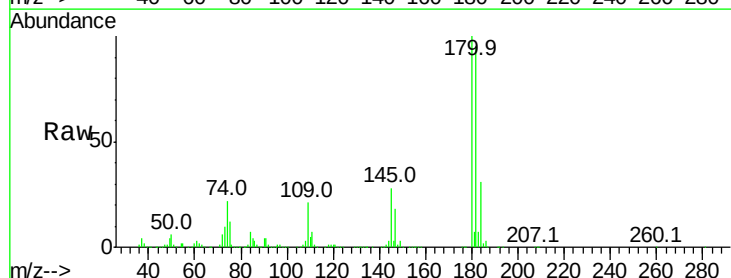
Tgt Ion:180 Resp: 770672

Ion Ratio Lower Upper

180 100

182 95.5 76.9 115.3

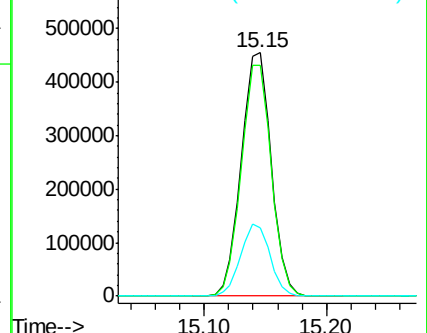
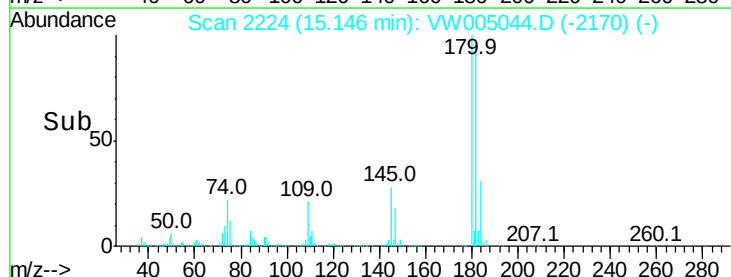
145 29.1 23.4 35.0

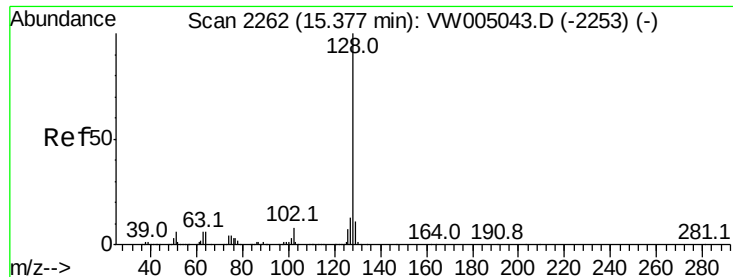


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

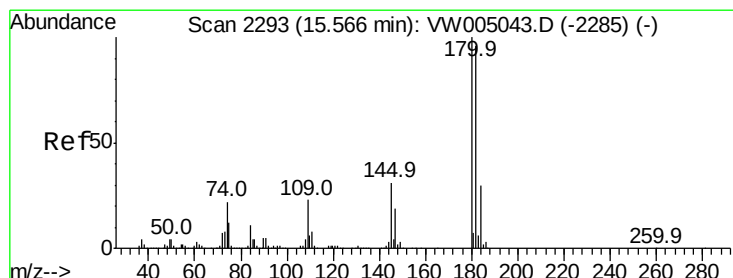
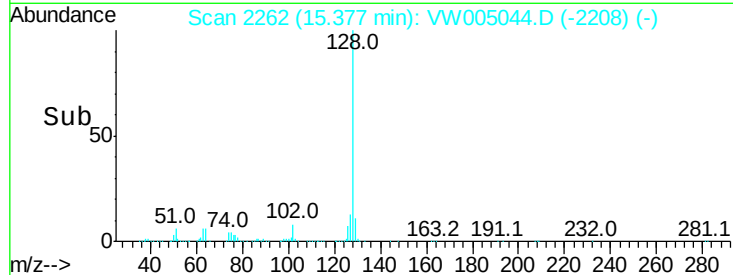
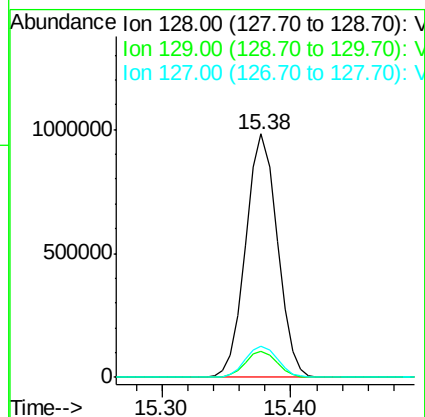
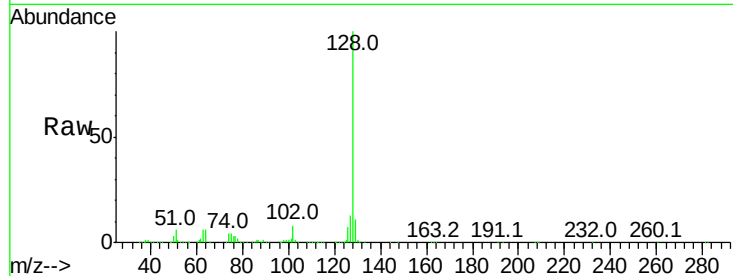




#69
Naphthalene
Concen: 48.051 ug/L
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW005044.D
Acq: 31 Aug 2018 15:15

Instrument :
MSVOA_W
ClientSampleId :
VSTD05090

Tgt Ion:128 Resp: 1670469
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.0 10.5 15.7



#70
1,2,3-Trichlorobenzene
Concen: 44.901 ug/L
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW005044.D
Acq: 31 Aug 2018 15:15

Tgt Ion:180 Resp: 723327
Ion Ratio Lower Upper
180 100
182 95.2 77.2 115.8
145 30.9 24.6 36.8

