

Data File : VW005042.D
Acq On : 31 Aug 2018 14:21
Operator : SY/AP
Sample : VSTD00588
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00588

Quant Time: Aug 31 15:21:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM083118S.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 31 15:21:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	570466	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	580445	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	300201	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	49097	4.55	ug/L	0.00
7) Chloroethane-d5	2.88	69	36122	4.52	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	66346	4.82	ug/L	0.00
20) 2-Butanone-d5	7.09	46	23054	10.51	ug/L	0.00
24) Chloroform-d	7.65	84	64617	5.10	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	35267	5.12	ug/L	0.00
29) Benzene-d6	8.28	84	146126	4.89	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	42691	4.87	ug/L	0.00
37) Toluene-d8	10.33	98	138844	4.39	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	17497	4.64	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	17799	8.19	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	41018	4.65	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	56731	4.70	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	47077	4.387 ug/L	99
3) Chloromethane	2.22	50	52413	4.310 ug/L	98
5) Vinyl chloride	2.36	62	52413	4.255 ug/L	99
6) Bromomethane	2.76	94	27655	4.286 ug/L	96
8) Chloroethane	2.92	64	35874	5.212 ug/L	97
9) Trichlorofluoromethane	3.26	101	56350	4.521 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	38623	5.180 ug/L	100
12) 1,1-Dichloroethene	4.04	96	31930	4.808 ug/L	90
13) Acetone	4.14	43	22791	13.408 ug/L	99
14) Carbon disulfide	4.39	76	112684	4.095 ug/L	99
15) Methyl Acetate	4.68	43	21338	5.552 ug/L	100
16) Methylene chloride	4.93	84	58171	5.259 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	72529	5.056 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	35909	5.192 ug/L	94
19) 1,1-Dichloroethane	6.23	63	60059	4.758 ug/L	97
21) 2-Butanone	7.18	43	28479	10.881 ug/L	94
22) cis-1,2-Dichloroethene	7.18	96	36332	4.868 ug/L	97
23) Bromochloromethane	7.52	128	18097	4.592 ug/L	97
25) Chloroform	7.68	83	63265	5.000 ug/L	98
27) 1,2-Dichloroethane	8.41	62	41732	5.032 ug/L	97
30) Cyclohexane	7.96	56	50808	4.112 ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	57746	5.165 ug/L	100
32) Carbon tetrachloride	8.07	117	52236	5.224 ug/L	97
34) Benzene	8.33	78	154524	4.669 ug/L	100
35) Trichloroethene	9.10	95	40161	4.880 ug/L	99
36) Methylcyclohexane	9.34	83	62304	4.093 ug/L	97
40) 1,2-Dichloropropane	9.38	63	38287	4.703 ug/L	# 95
41) Bromodichloromethane	9.65	83	47271	5.270 ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	51223	4.533 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	50661	8.430 ug/L	98

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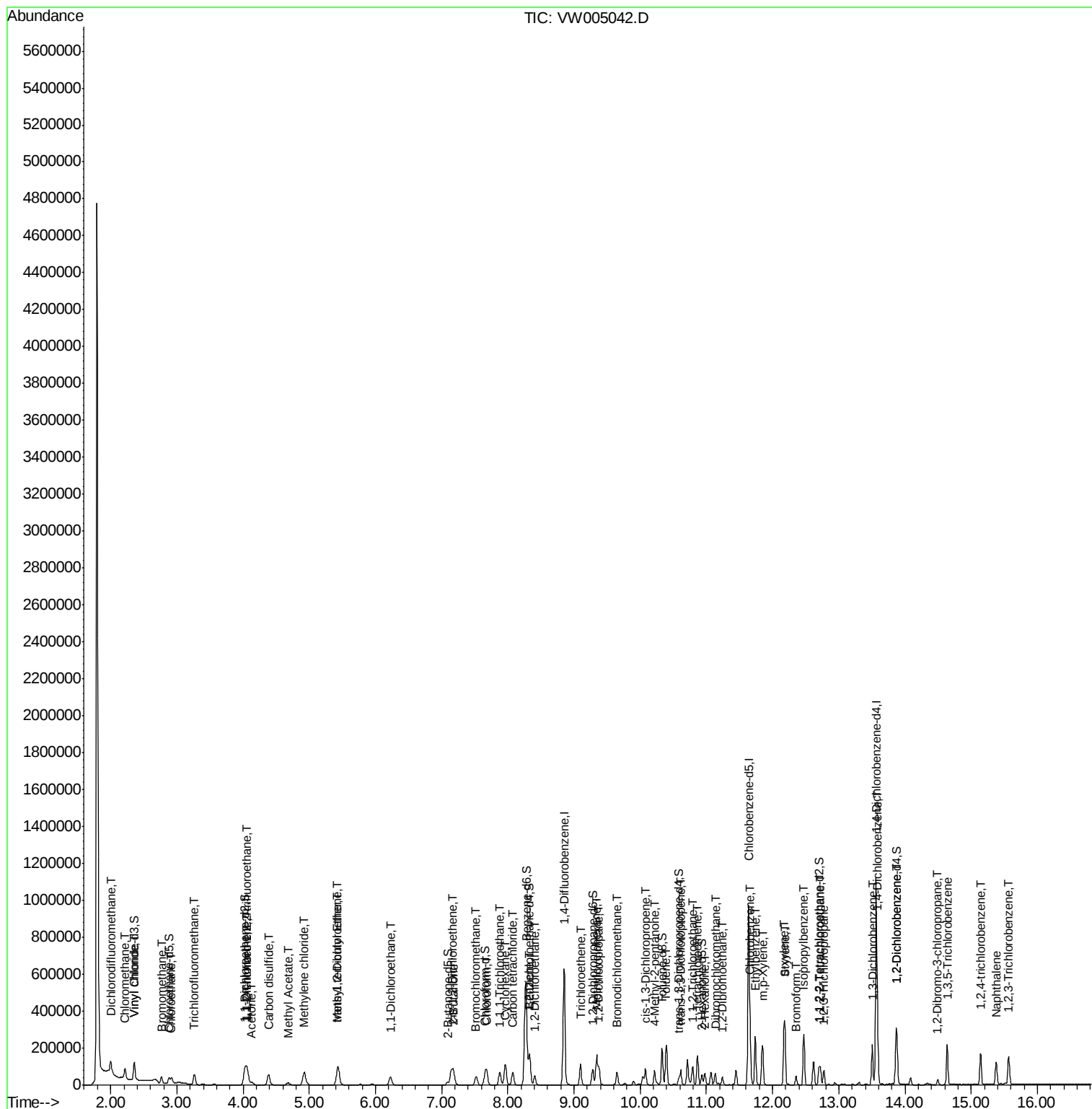
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	168483	4.239	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	45579	4.447	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	31496	4.956	ug/L	98
47) Tetrachloroethene	10.87	164	37418	4.644	ug/L	96
49) 2-Hexanone	10.98	43	35010	7.538	ug/L	99
50) Dibromochloromethane	11.13	129	34192	4.847	ug/L	97
51) 1,2-Dibromoethane	11.24	107	30030	4.814	ug/L	95
52) Chlorobenzene	11.66	112	119923	4.542	ug/L	98
53) Ethylbenzene	11.74	91	185585	4.150	ug/L	99
54) m,p-Xylene	11.85	106	75188	4.334	ug/L	98
55) o-xylene	12.17	106	66548	4.105	ug/L	99
56) Styrene	12.19	104	113790	4.085	ug/L	98
57) Isopropylbenzene	12.47	105	176101	4.067	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	41604	4.594	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	33656	4.823	ug/L	97
62) Bromoform	12.35	173	22810	4.792	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	92983	4.496	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	101296	4.678	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	90974	4.591	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	7103	4.227	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.64	180	76091	4.598	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	58211	4.356	ug/L	99
69) Naphthalene	15.38	128	107799	3.969	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	56377	4.479	ug/L	98

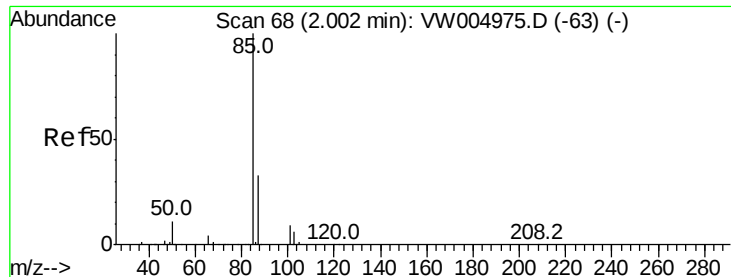
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.387 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

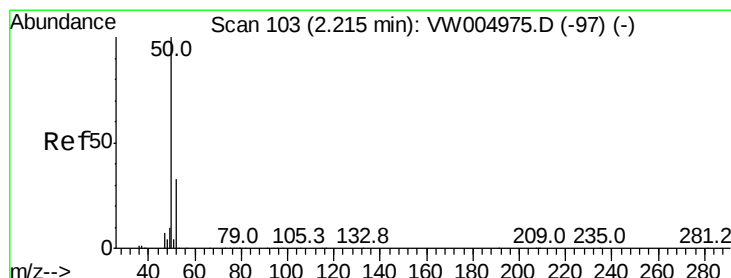
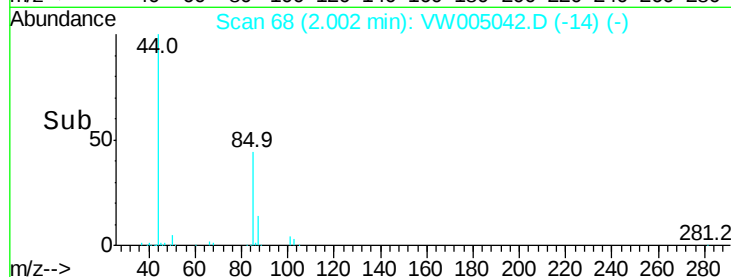
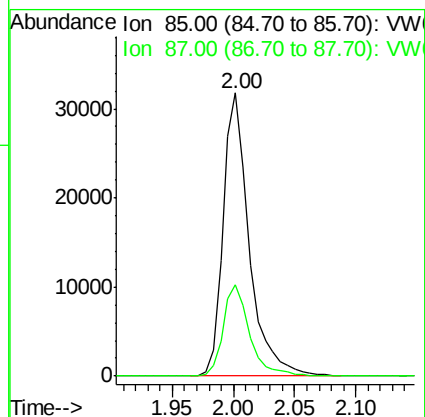
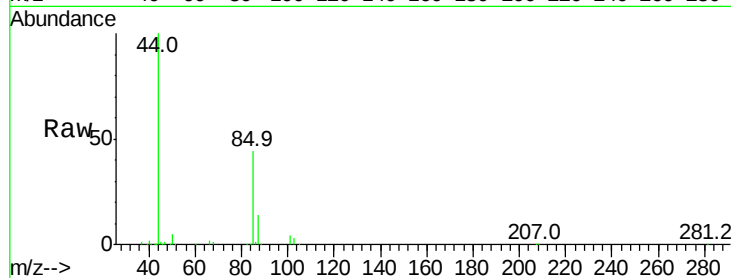
VSTD00588

Tgt Ion: 85 Resp: 47077

Ion Ratio Lower Upper

85 100

87 32.5 23.0 42.6



#3

Chloromethane

Concen: 4.310 ug/L

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW005042.D

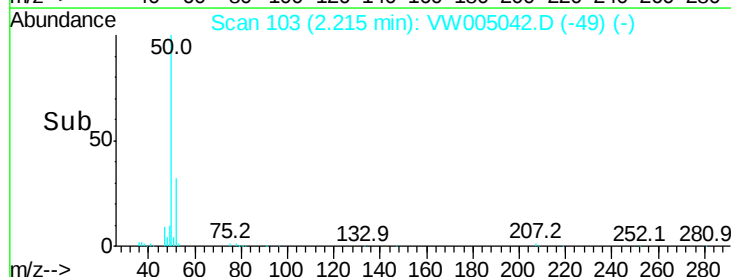
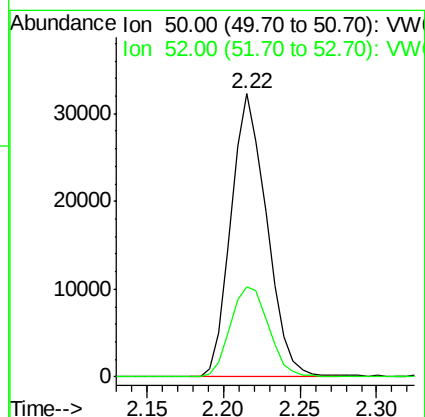
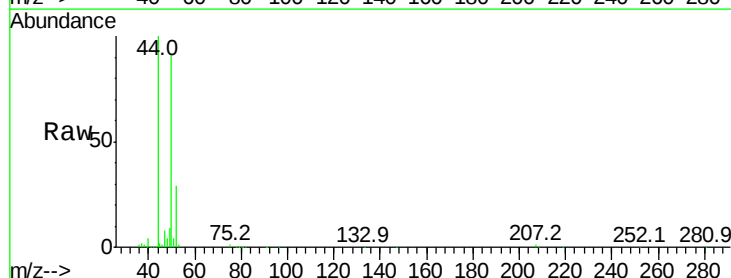
Acq: 31 Aug 2018 14:21

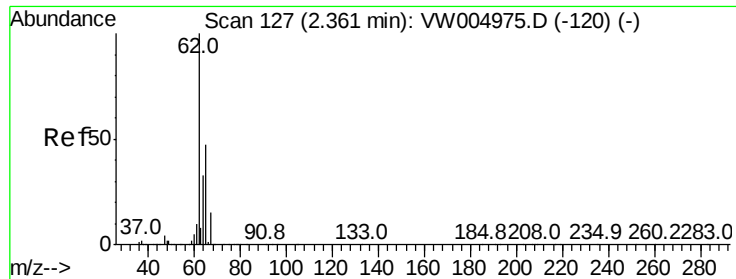
Tgt Ion: 50 Resp: 52413

Ion Ratio Lower Upper

50 100

52 31.9 23.0 42.8





#5

Vinyl chloride

Concen: 4.255 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

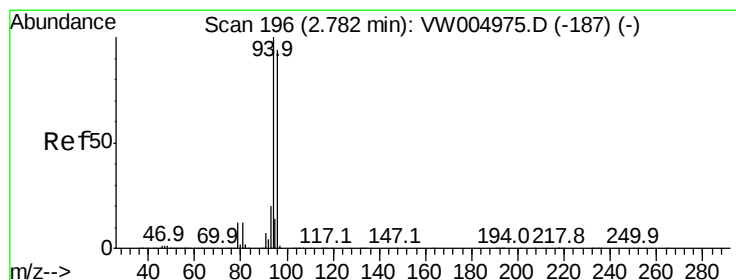
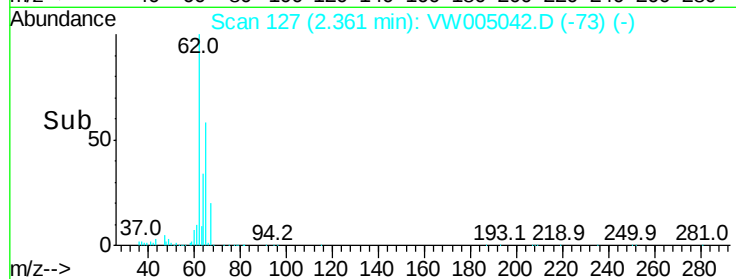
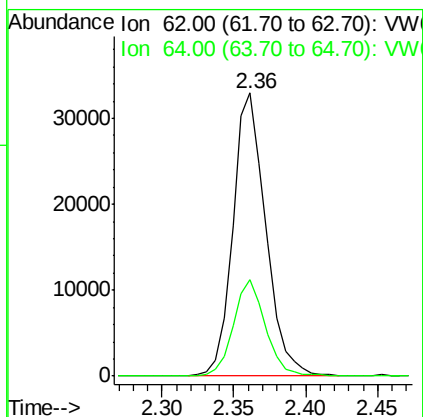
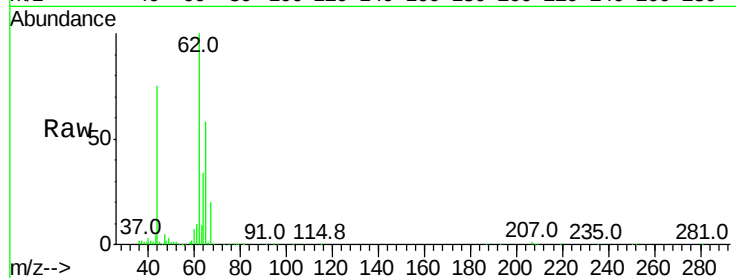
VSTD00588

Tgt Ion: 62 Resp: 52413

Ion Ratio Lower Upper

62 100

64 34.1 23.4 43.6



#6

Bromomethane

Concen: 4.286 ug/L

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW005042.D

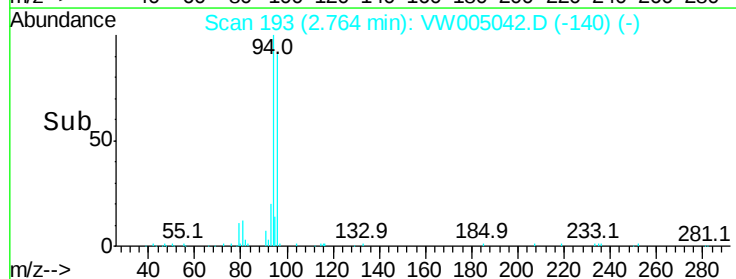
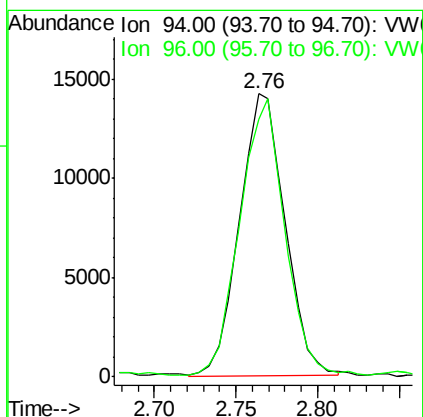
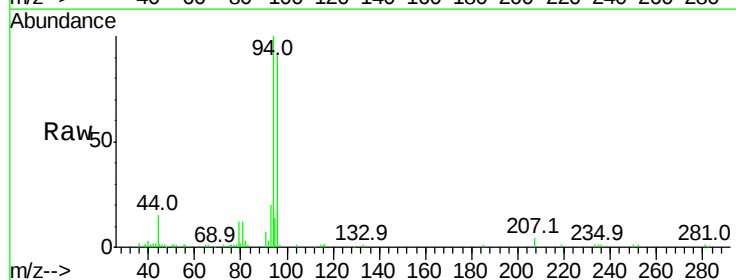
Acq: 31 Aug 2018 14:21

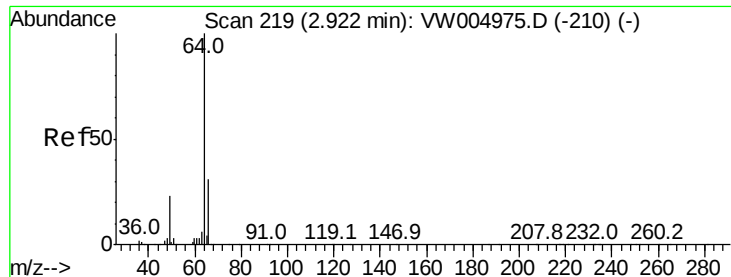
Tgt Ion: 94 Resp: 27655

Ion Ratio Lower Upper

94 100

96 98.0 9.4 178.6





#8

Chloroethane

Concen: 5.212 ug/L

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

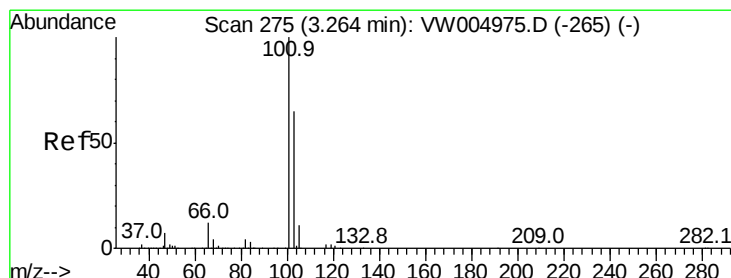
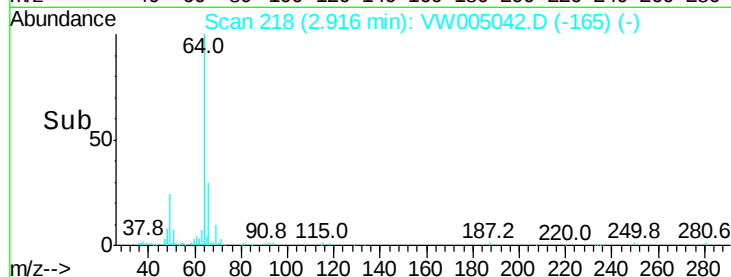
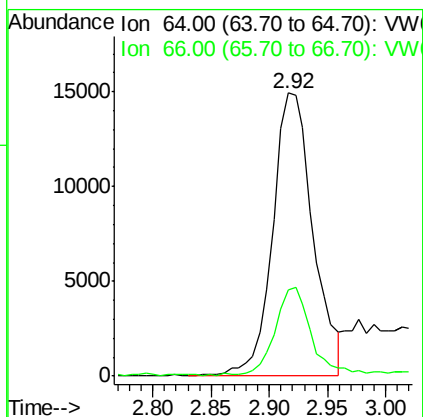
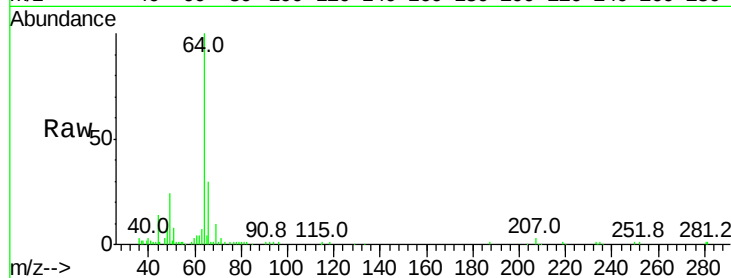
VSTD00588

Tgt Ion: 64 Resp: 35874

Ion Ratio Lower Upper

64 100

66 30.3 22.4 41.6



#9

Trichlorofluoromethane

Concen: 4.521 ug/L

RT: 3.26 min Scan# 275

Delta R.T. 0.00 min

Lab File: VW005042.D

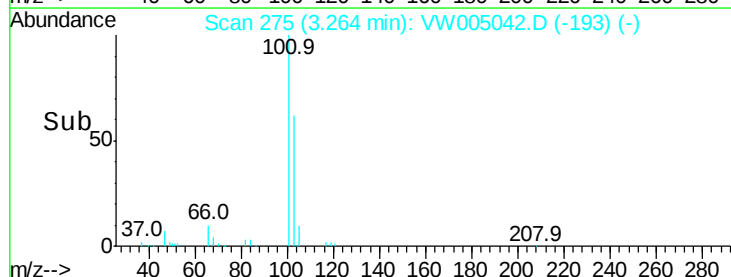
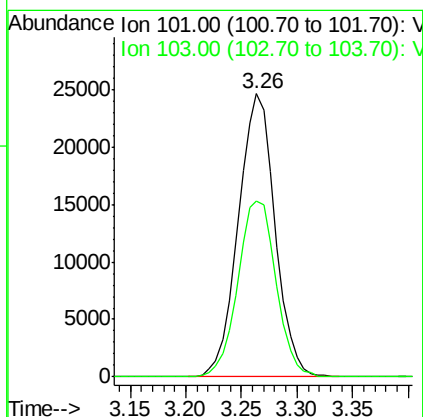
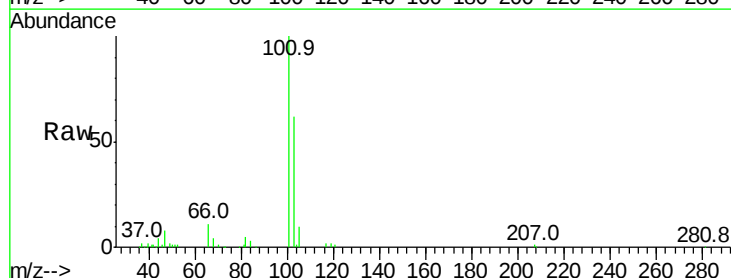
Acq: 31 Aug 2018 14:21

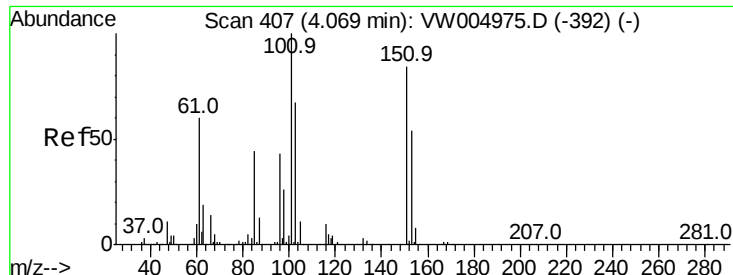
Tgt Ion: 101 Resp: 56350

Ion Ratio Lower Upper

101 100

103 64.8 45.4 84.4





#11

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

Concen: 5.180 ug/L

RT: 4.06 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD00588

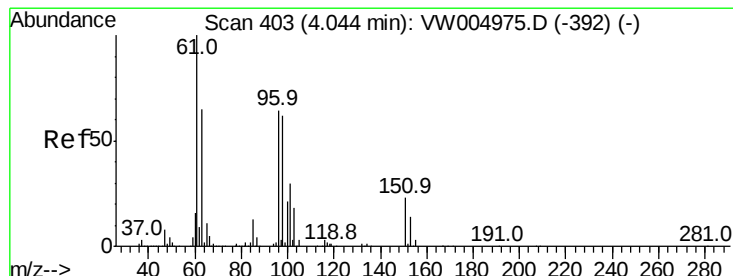
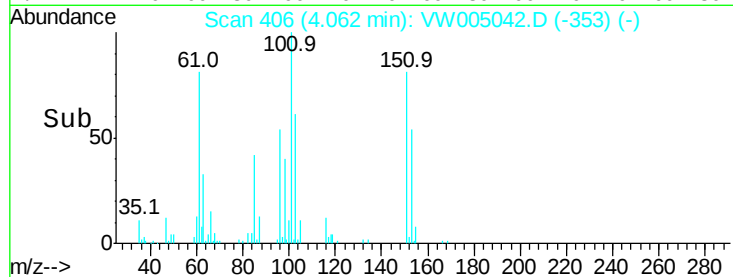
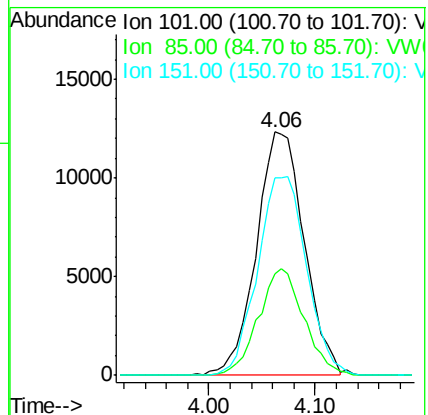
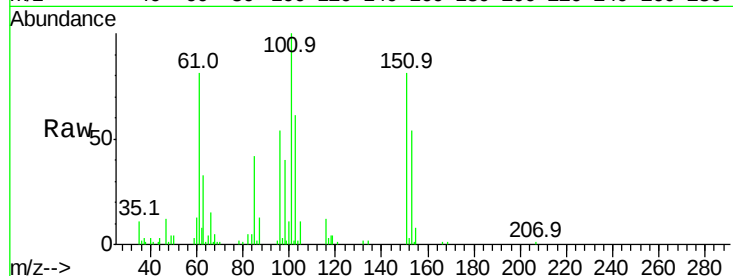
Tgt Ion:101 Resp: 38623

Ion Ratio Lower Upper

101 100

85 41.6 33.3 49.9

151 83.7 66.8 100.2



#12

1,1-Dichloroethene

Concen: 4.808 ug/L

RT: 4.04 min Scan# 403

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

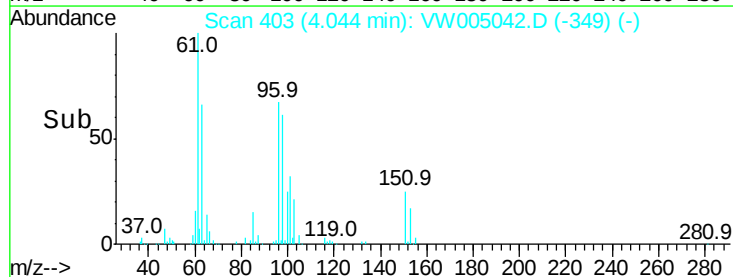
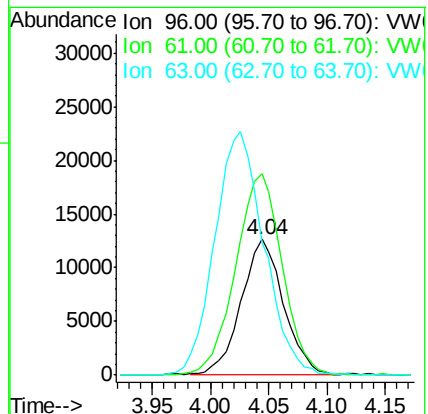
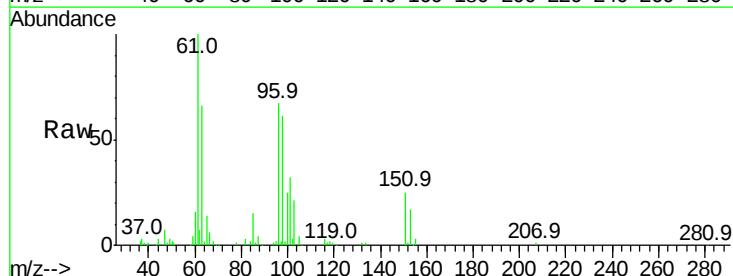
Tgt Ion: 96 Resp: 31930

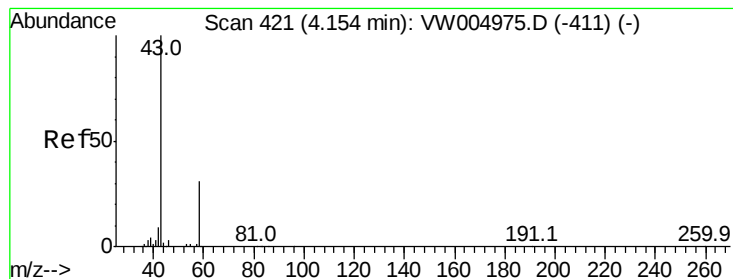
Ion Ratio Lower Upper

96 100

61 148.6 108.4 201.4

63 97.4 81.2 150.8





#13

Acetone

Concen: 13.408 ug/L

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Instrument :

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ClientSampleId :

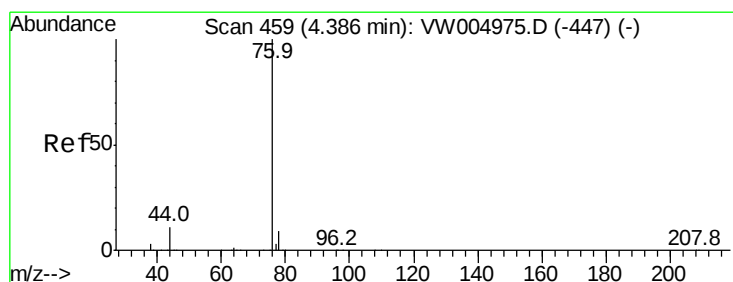
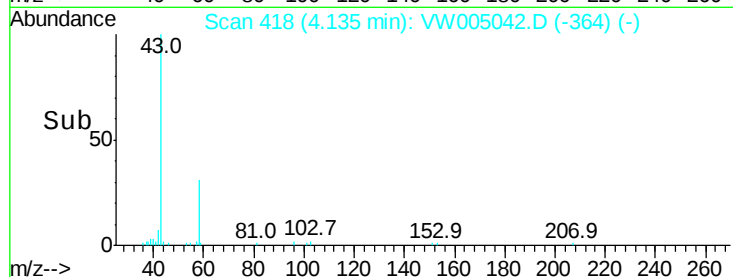
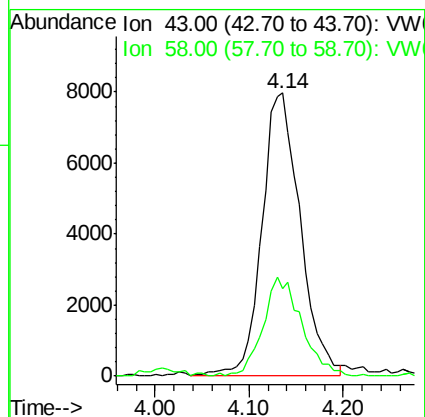
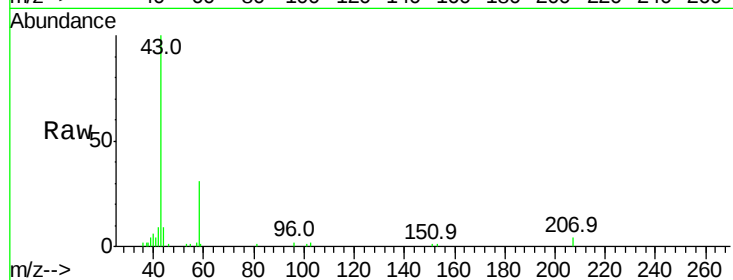
VSTD00588

Tgt Ion: 43 Resp: 22791

Ion Ratio Lower Upper

43 100

58 34.8 0.0 70.4



#14

Carbon disulfide

Concen: 4.095 ug/L

RT: 4.39 min Scan# 459

Delta R.T. 0.00 min

Lab File: VW005042.D

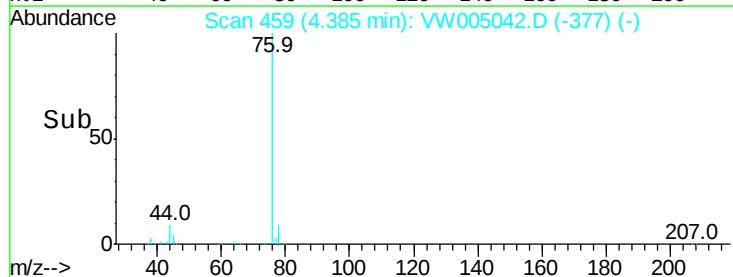
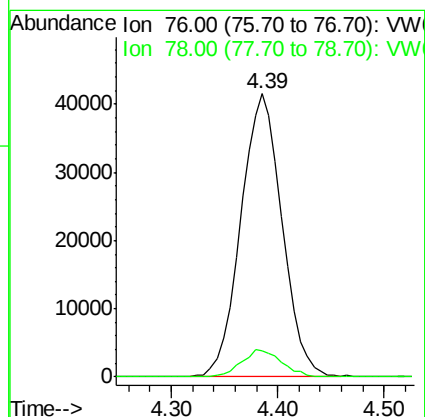
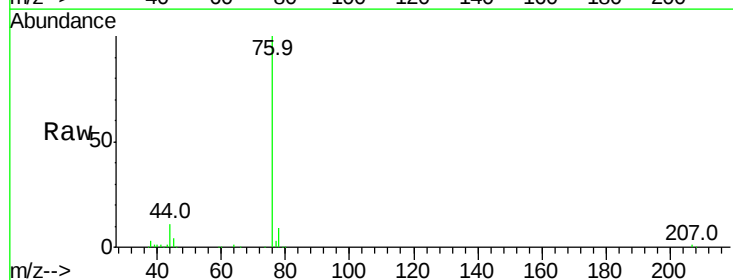
Acq: 31 Aug 2018 14:21

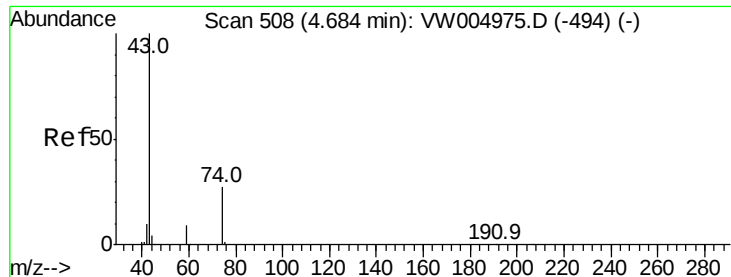
Tgt Ion: 76 Resp: 112684

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4





#15

Methyl Acetate

Concen: 5.552 ug/L

RT: 4.68 min Scan# 508

Delta R.T. 0.01 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

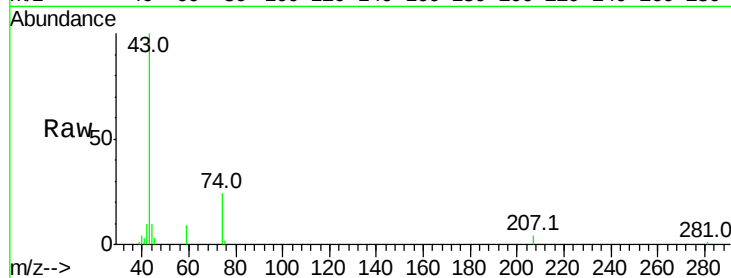
VSTD00588

Tgt Ion: 43 Resp: 21338

Ion Ratio Lower Upper

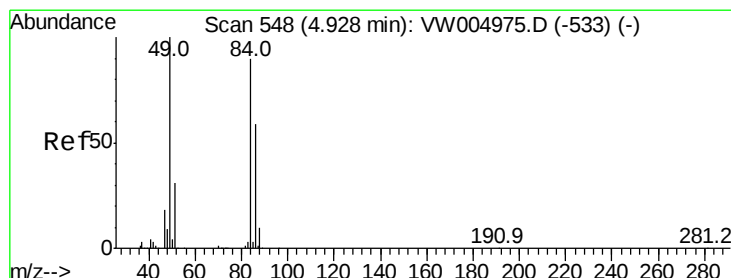
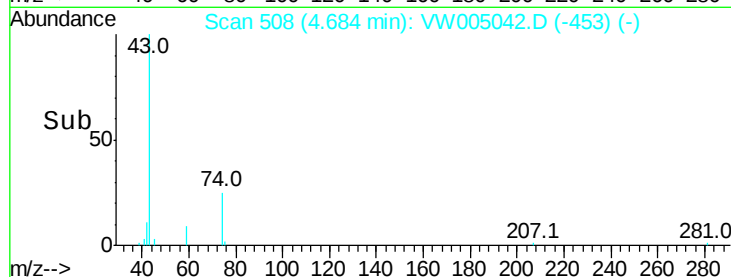
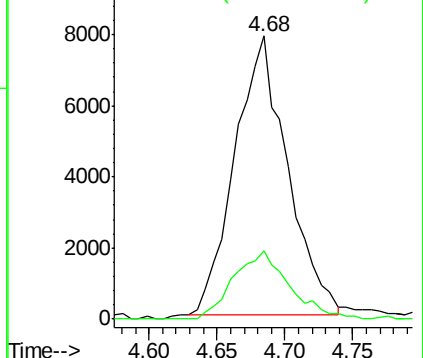
43 100

74 25.8 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 5.259 ug/L

RT: 4.93 min Scan# 548

Delta R.T. 0.01 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

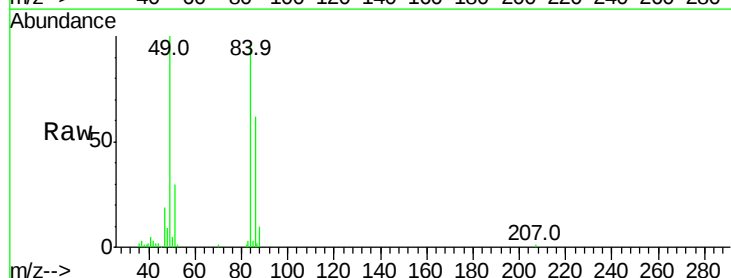
Tgt Ion: 84 Resp: 58171

Ion Ratio Lower Upper

84 100

49 104.0 77.3 143.7

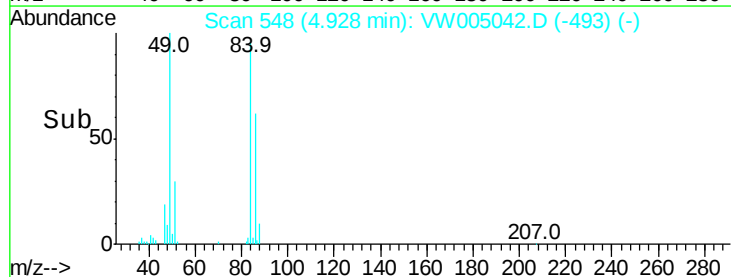
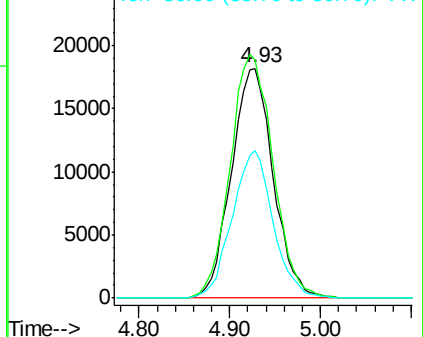
86 64.0 44.7 83.1

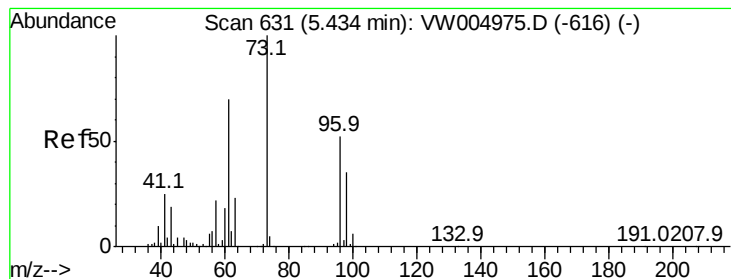


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 5.056 ug/L

RT: 5.43 min Scan# 630

Delta R.T. -0.01 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD00588

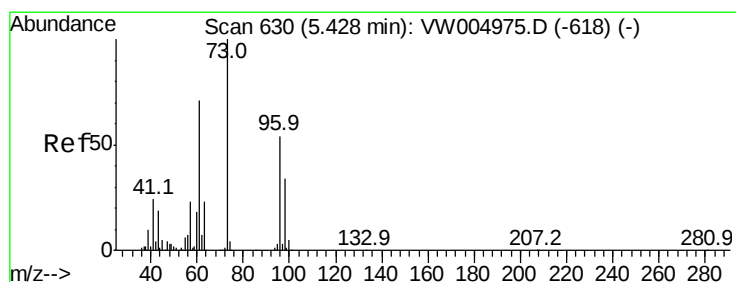
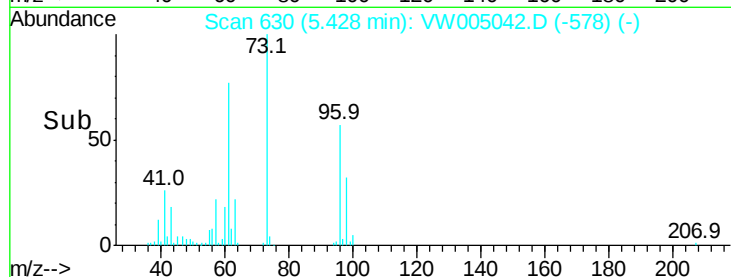
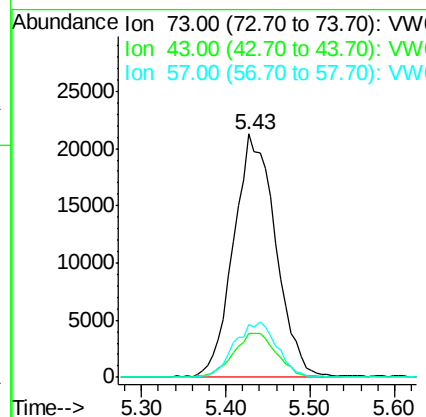
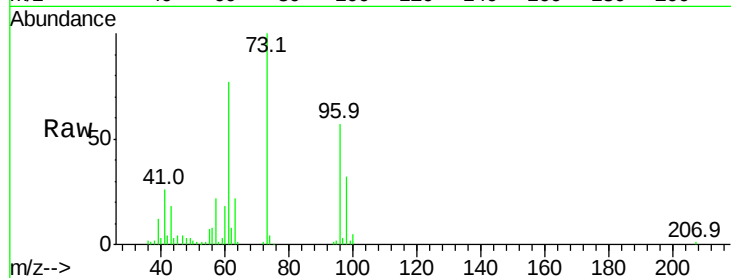
Tgt Ion: 73 Resp: 72529

Ion Ratio Lower Upper

73 100

43 18.7 14.8 22.2

57 22.8 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 5.192 ug/L

RT: 5.43 min Scan# 631

Delta R.T. 0.01 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

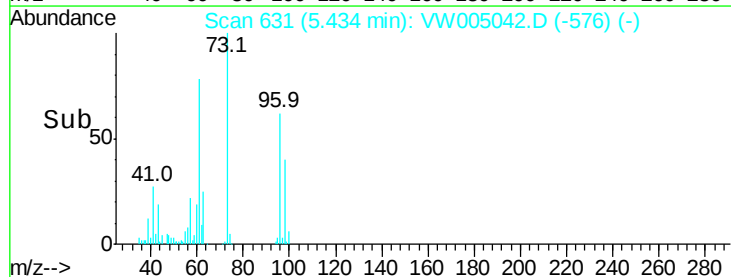
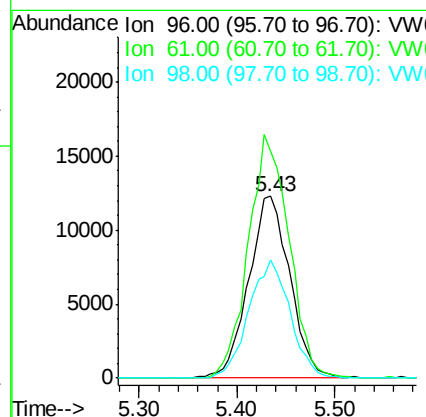
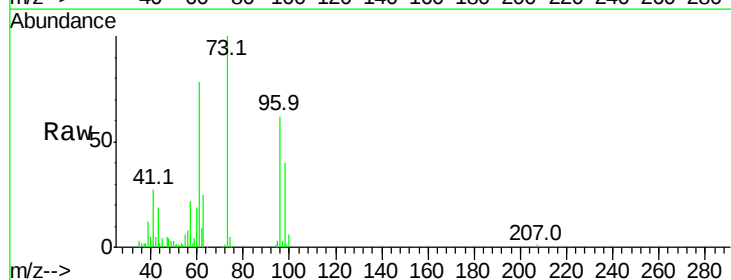
Tgt Ion: 96 Resp: 35909

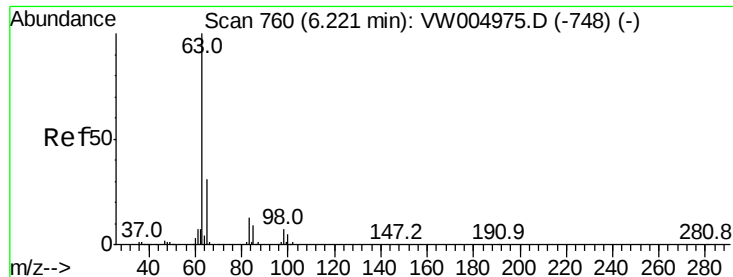
Ion Ratio Lower Upper

96 100

61 124.8 92.3 171.3

98 65.0 42.8 79.6





#19

1,1-Dichloroethane

Concen: 4.758 ug/L

RT: 6.23 min Scan# 761

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Instrument :

MSVOA_W

ClientSampled :

VSTD00588

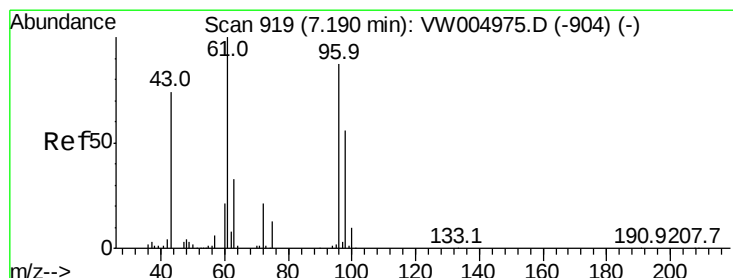
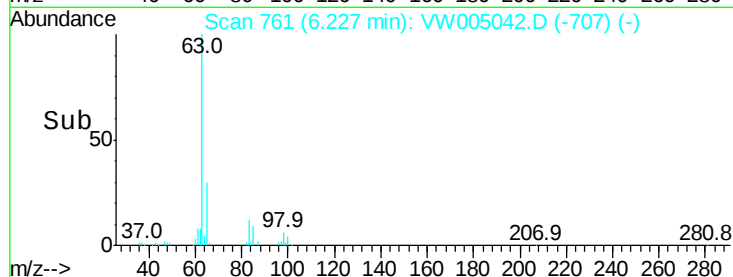
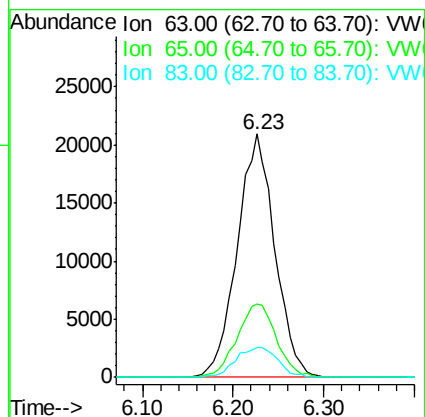
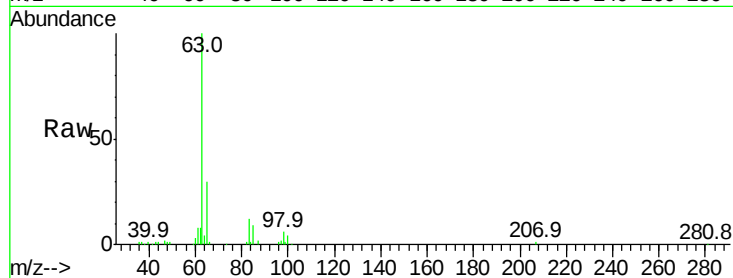
Tgt Ion: 63 Resp: 60059

Ion Ratio Lower Upper

63 100

65 30.1 22.2 41.2

83 12.4 9.8 18.2



#21

2-Butanone

Concen: 10.881 ug/L

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW005042.D

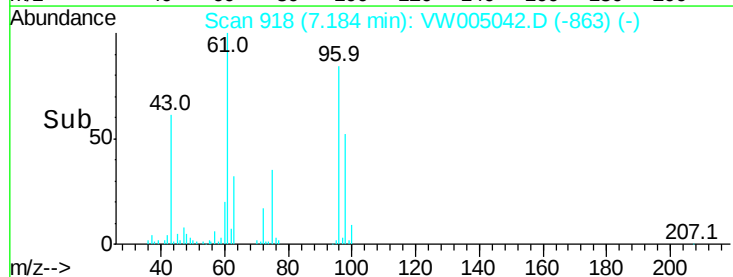
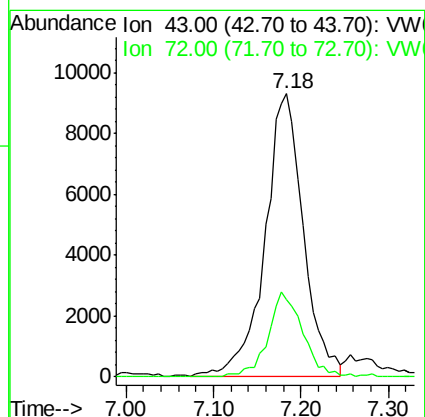
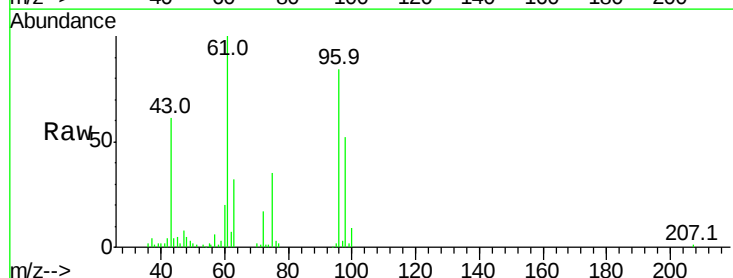
Acq: 31 Aug 2018 14:21

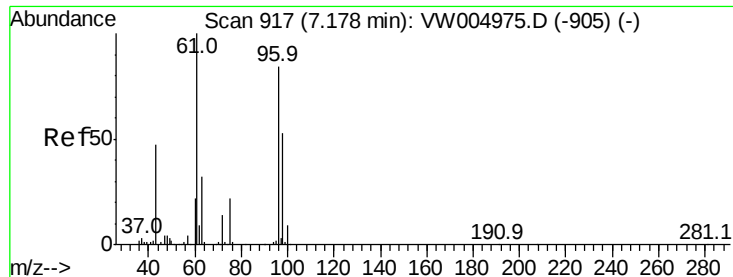
Tgt Ion: 43 Resp: 28479

Ion Ratio Lower Upper

43 100

72 25.6 14.4 43.2



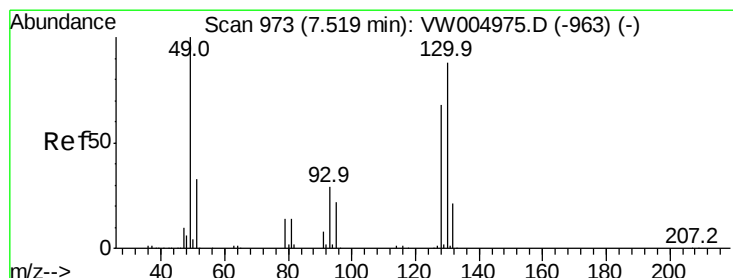
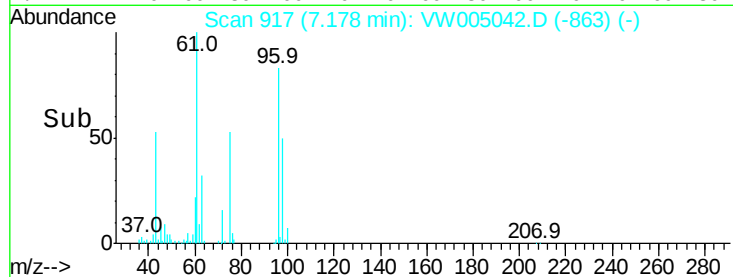
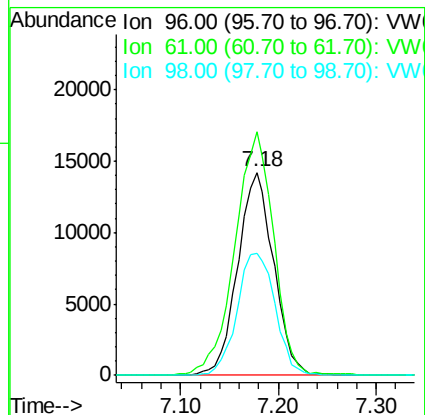
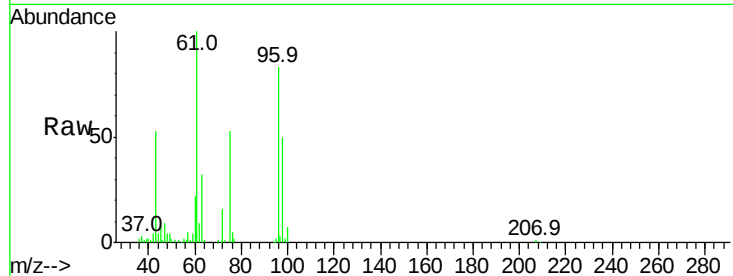


#22

cis-1,2-Dichloroethene
Concen: 4.868 ug/L
RT: 7.18 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW005042.D
Acq: 31 Aug 2018 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTD00588

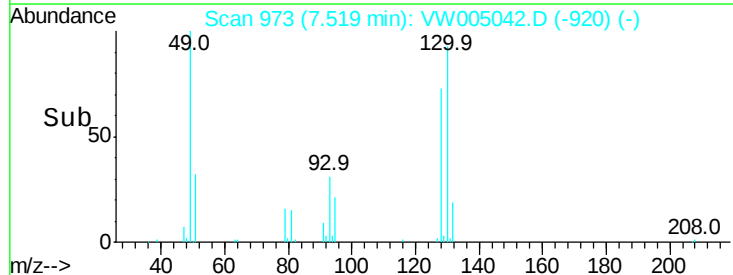
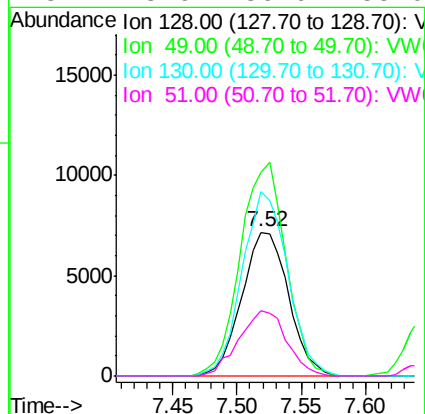
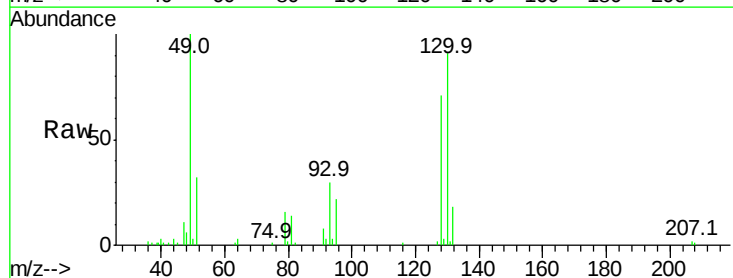
Tgt Ion: 96 Resp: 36332
Ion Ratio Lower Upper
96 100
61 119.8 84.8 157.4
98 59.9 45.8 85.2

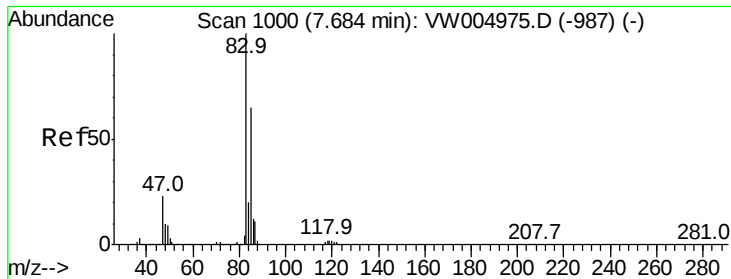


#23

Bromochloromethane
Concen: 4.592 ug/L
RT: 7.52 min Scan# 973
Delta R.T. -0.01 min
Lab File: VW005042.D
Acq: 31 Aug 2018 14:21

Tgt Ion: 128 Resp: 18097
Ion Ratio Lower Upper
128 100
49 141.7 100.0 185.8
130 128.5 94.5 175.5
51 45.6 36.6 55.0

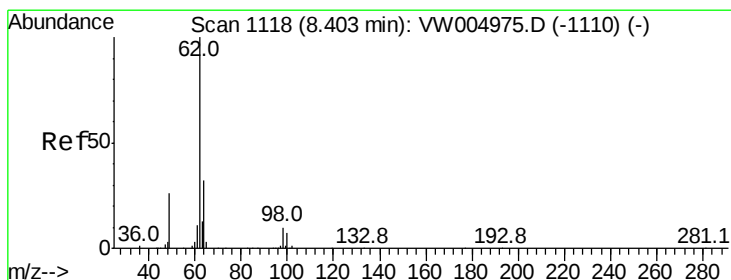
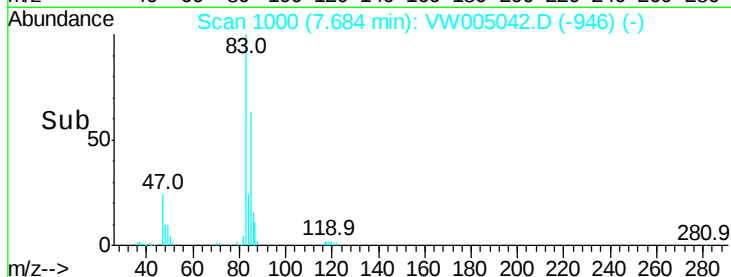
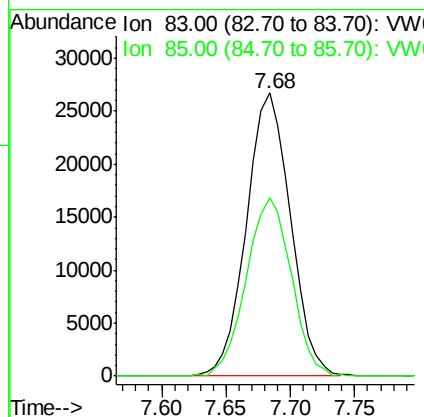
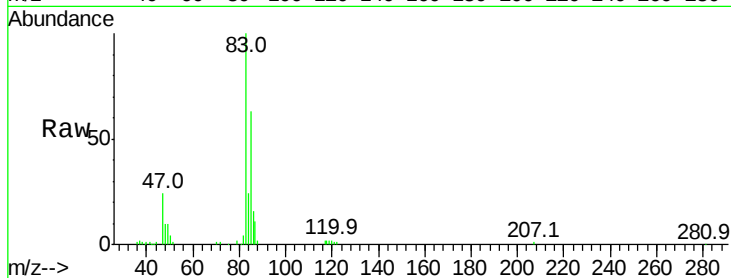




#25
Chloroform
Concen: 5.000 ug/L
RT: 7.68 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VW005042.D
Acq: 31 Aug 2018 14:21

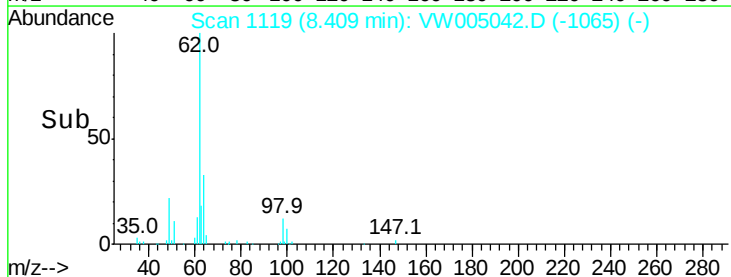
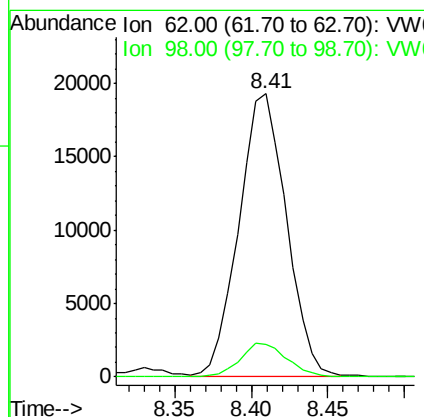
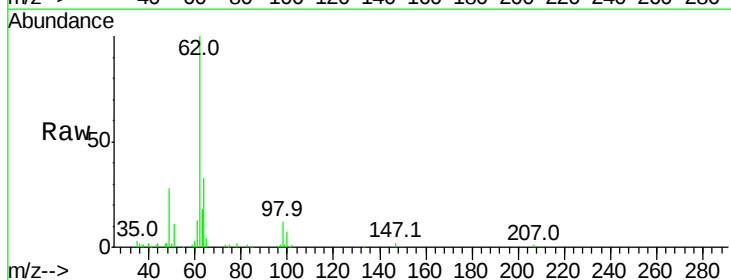
Instrument :
MSVOA_W
ClientSampleId :
VSTD00588

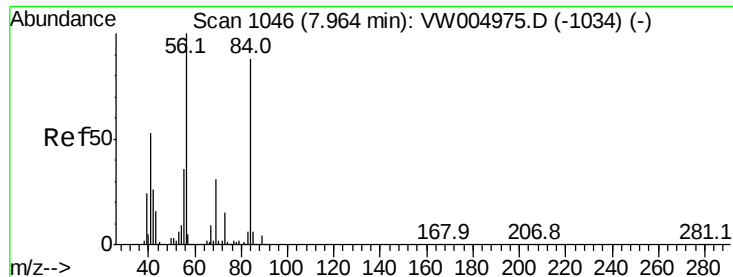
Tgt Ion: 83 Resp: 63265
Ion Ratio Lower Upper
83 100
85 64.3 46.0 85.4



#27
1,2-Dichloroethane
Concen: 5.032 ug/L
RT: 8.41 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VW005042.D
Acq: 31 Aug 2018 14:21

Tgt Ion: 62 Resp: 41732
Ion Ratio Lower Upper
62 100
98 11.5 8.4 12.6

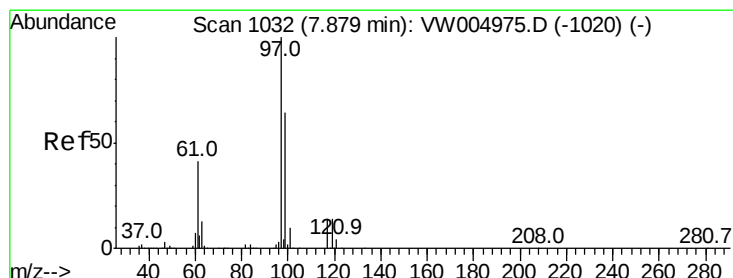
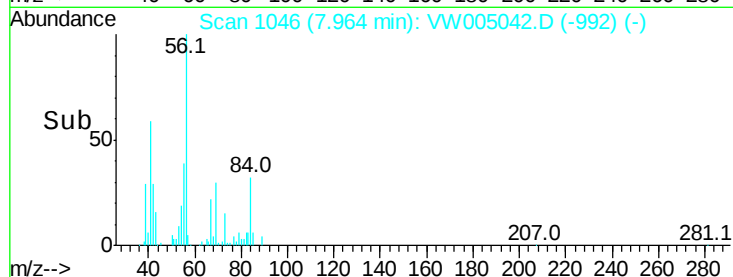
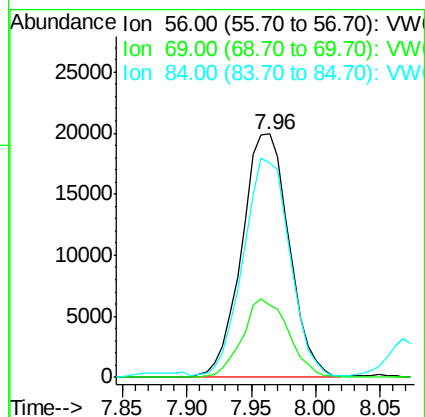
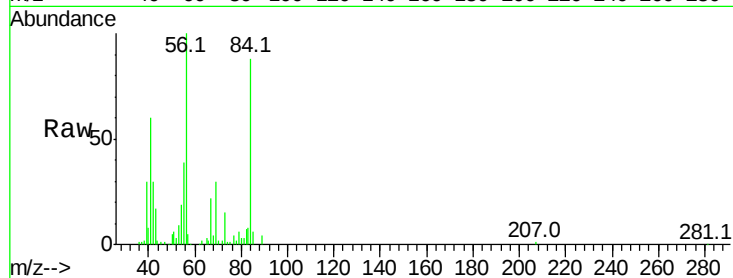




#30
Cyclohexane
Concen: 4.112 ug/L
RT: 7.96 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VW005042.D
Acq: 31 Aug 2018 14:21

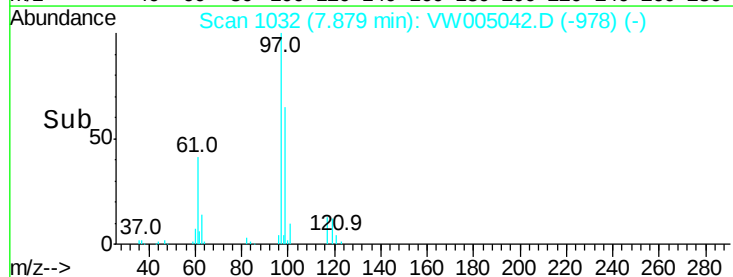
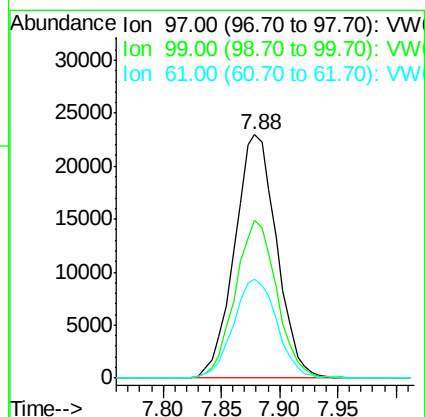
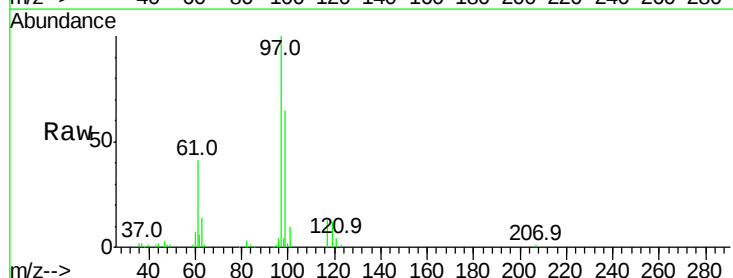
Instrument :
MSVOA_W
ClientSampled :
VSTD00588

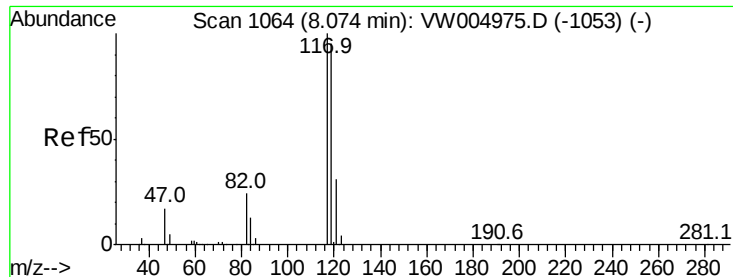
Tgt Ion: 56 Resp: 50808
Ion Ratio Lower Upper
56 100
69 31.2 25.0 37.6
84 89.4 71.4 107.0



#31
1,1,1-Trichloroethane
Concen: 5.165 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VW005042.D
Acq: 31 Aug 2018 14:21

Tgt Ion: 97 Resp: 57746
Ion Ratio Lower Upper
97 100
99 63.9 51.4 77.2
61 41.9 33.4 50.0





#32

Carbon tetrachloride

Concen: 5.224 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

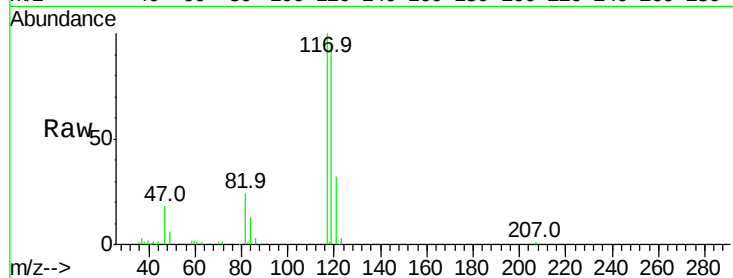
VSTD00588

Tgt Ion:117 Resp: 52236

Ion Ratio Lower Upper

117 100

119 94.4 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

25000

20000

15000

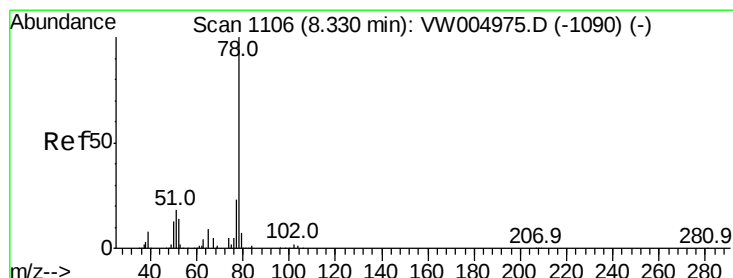
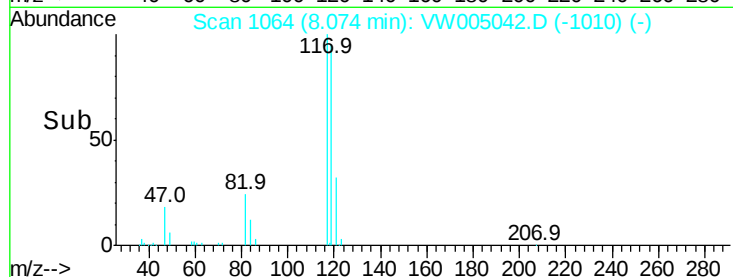
10000

5000

0

8.00 8.05 8.10 8.15

Time-->



#34

Benzene

Concen: 4.669 ug/L

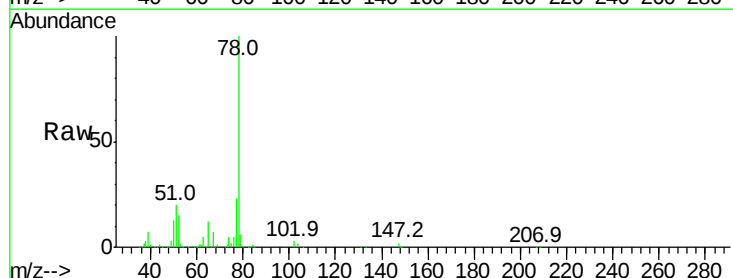
RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Tgt Ion: 78 Resp: 154524



Abundance Ion 78.00 (77.70 to 78.70): VW

80000

60000

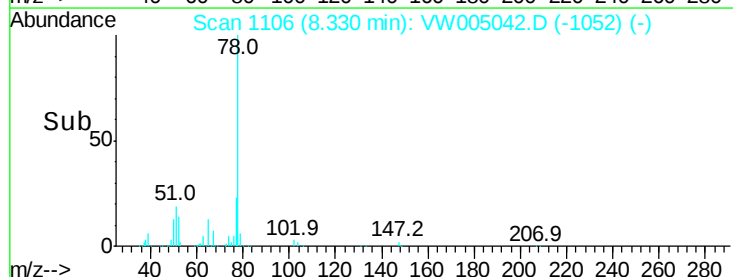
40000

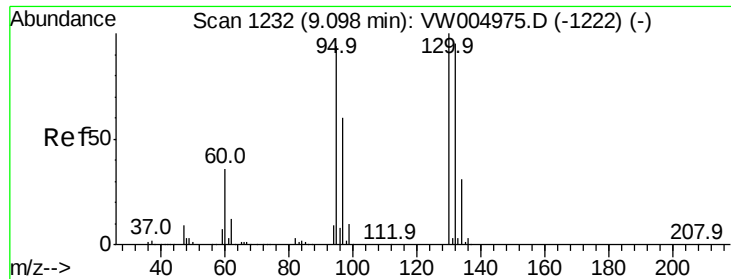
20000

0

8.20 8.30 8.40

Time-->

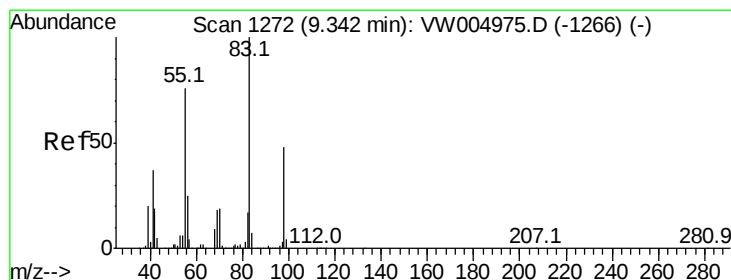
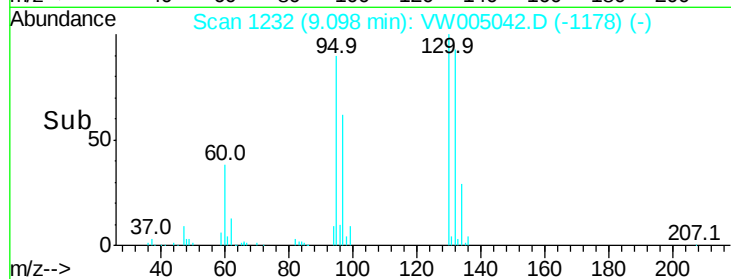
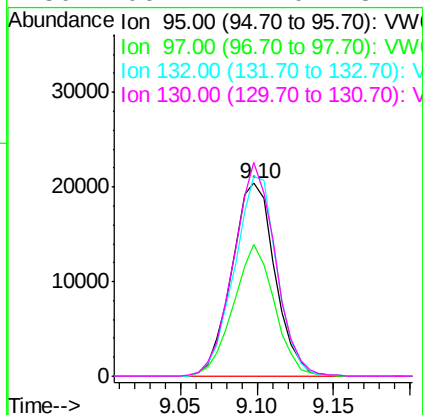
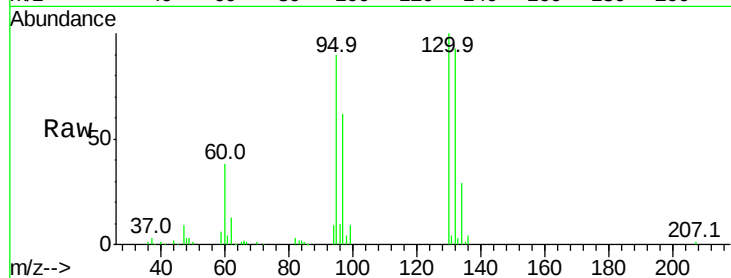




#35
 Trichloroethene
 Concen: 4.880 ug/L
 RT: 9.10 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VW005042.D
 Acq: 31 Aug 2018 14:21

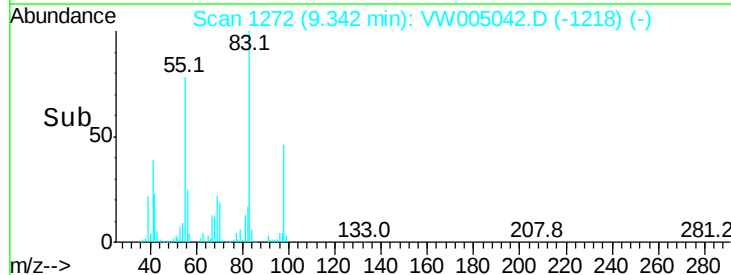
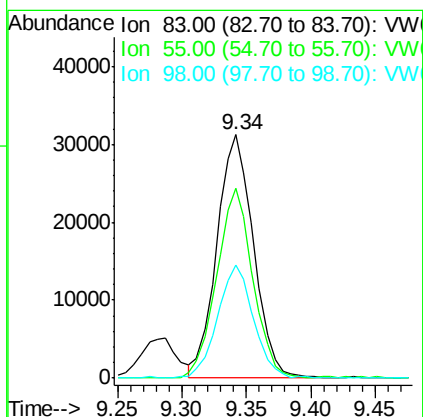
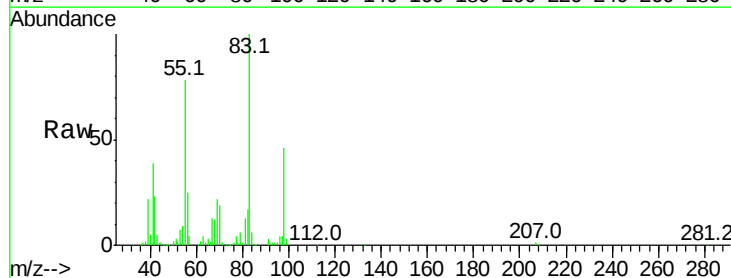
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00588

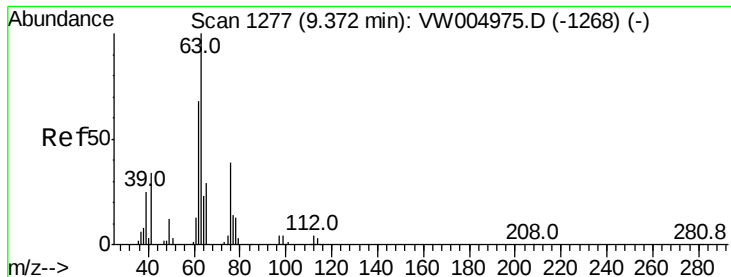
Tgt Ion: 95 Resp: 40161
 Ion Ratio Lower Upper
 95 100
 97 64.9 44.9 83.5
 132 101.9 72.3 134.3
 130 106.7 74.0 137.4



#36
 Methylcyclohexane
 Concen: 4.093 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VW005042.D
 Acq: 31 Aug 2018 14:21

Tgt Ion: 83 Resp: 62304
 Ion Ratio Lower Upper
 83 100
 55 77.1 59.5 89.3
 98 45.4 37.4 56.2





#40

1,2-Dichloropropane

Concen: 4.703 ug/L

RT: 9.38 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

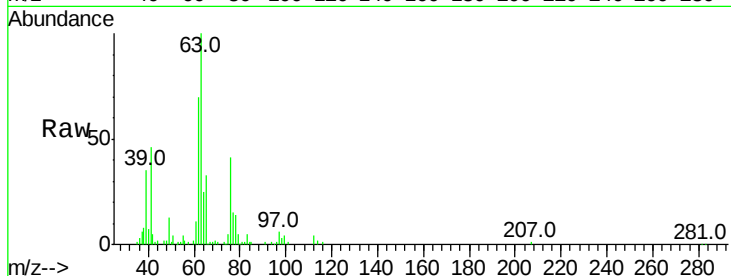
VSTD00588

Tgt Ion: 63 Resp: 38287

Ion Ratio Lower Upper

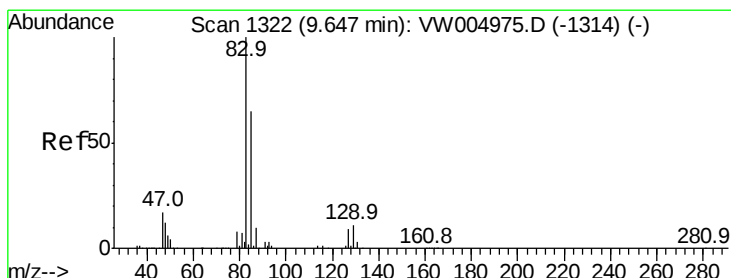
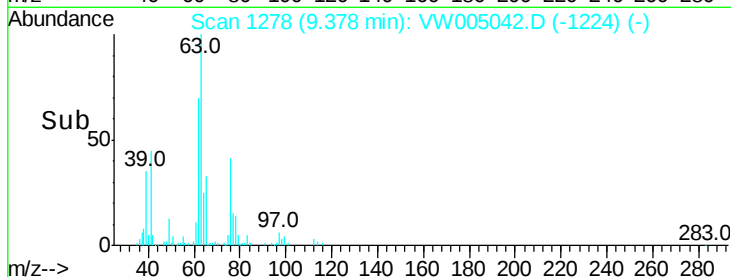
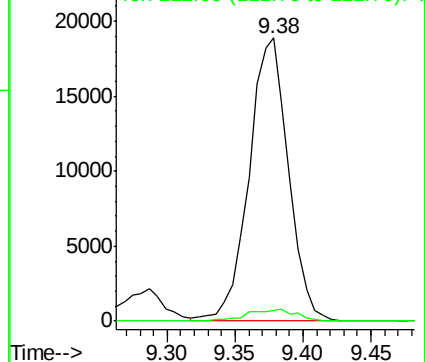
63 100

112 2.7 3.6 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 5.270 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

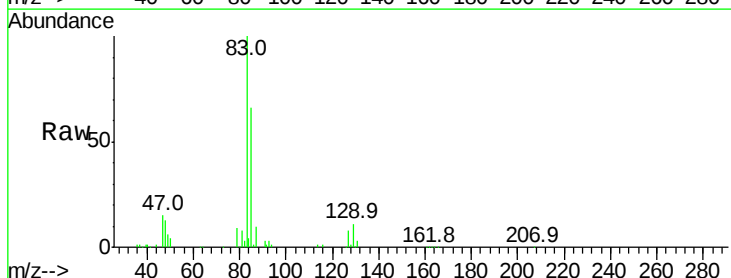
Tgt Ion: 83 Resp: 47271

Ion Ratio Lower Upper

83 100

85 66.3 44.6 82.8

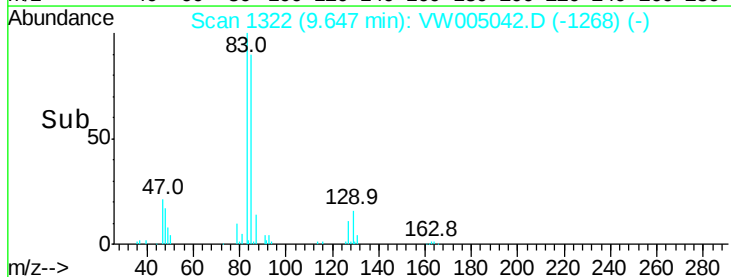
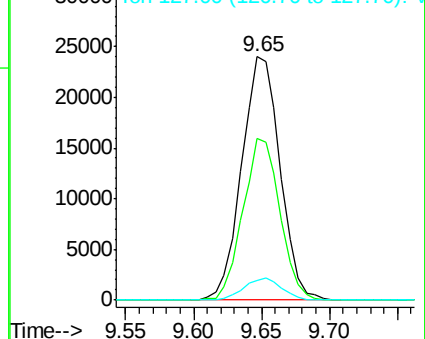
127 8.0 6.8 10.2

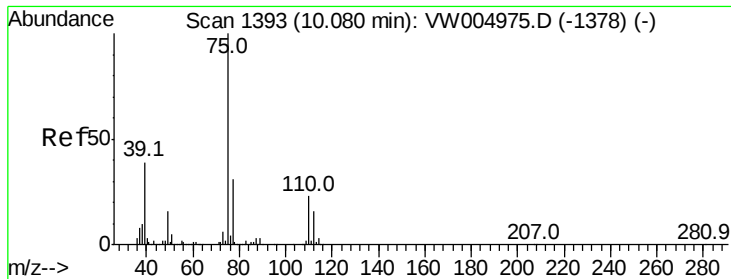


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 4.533 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

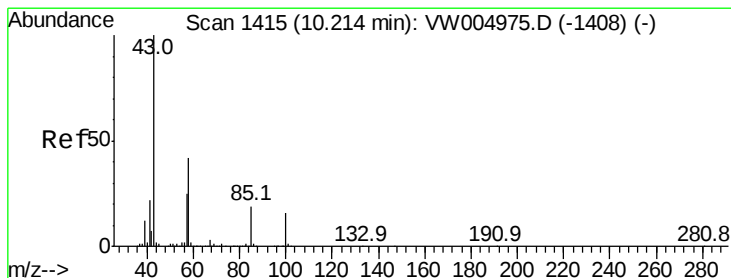
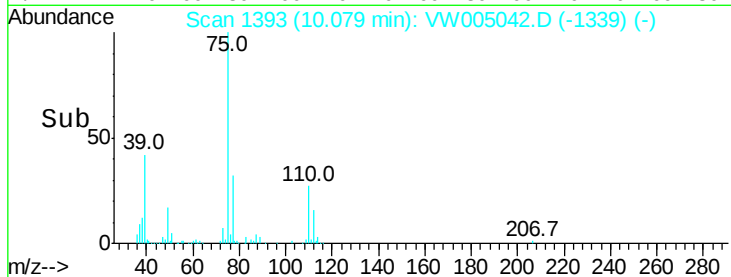
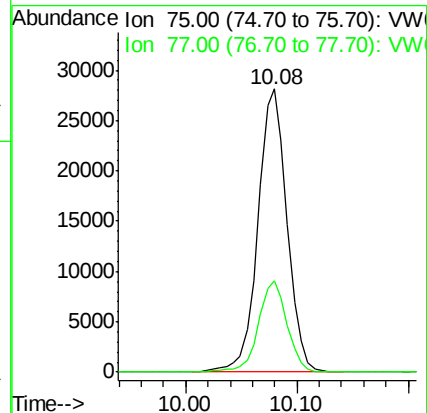
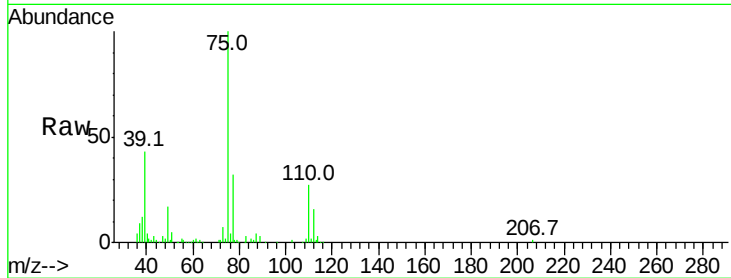
VSTD00588

Tgt Ion: 75 Resp: 51223

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 8.430 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

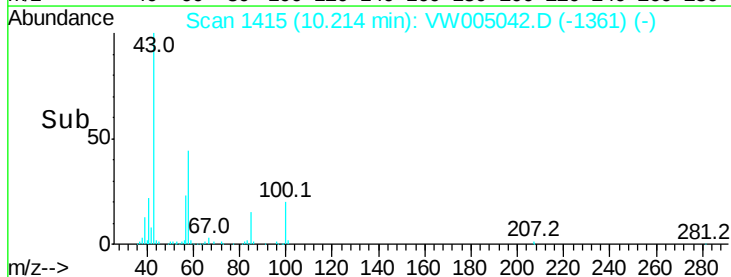
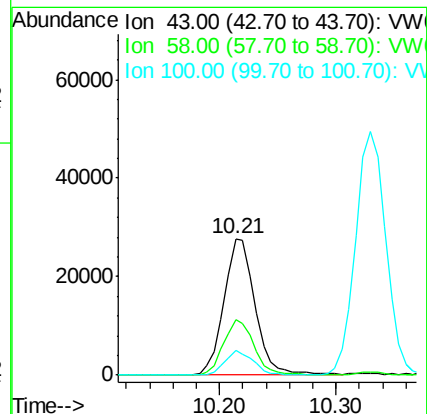
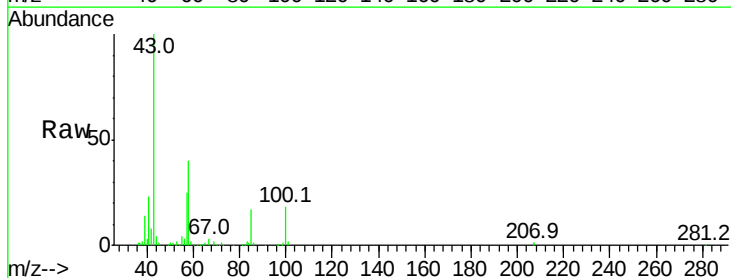
Tgt Ion: 43 Resp: 50661

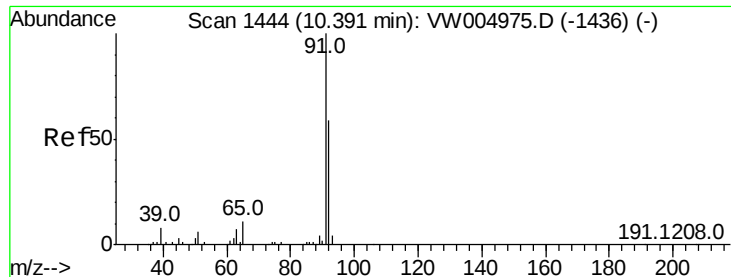
Ion Ratio Lower Upper

43 100

58 40.2 33.4 50.0

100 16.8 13.4 20.2





#44

Toluene

Concen: 4.239 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Instrument :

MSVOA_W

ClientSampled :

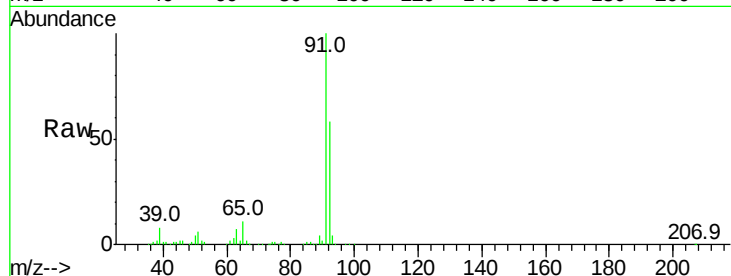
VSTD00588

Tgt Ion: 91 Resp: 168483

Ion Ratio Lower Upper

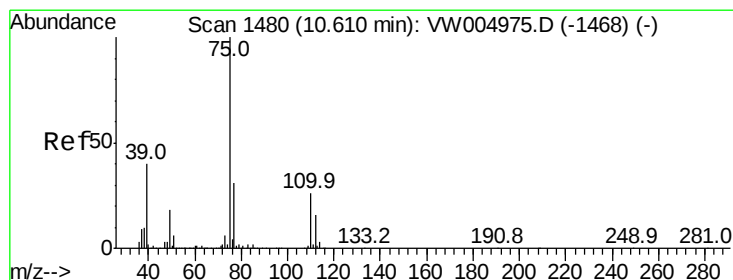
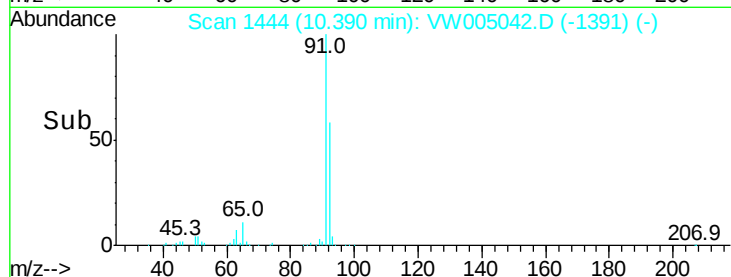
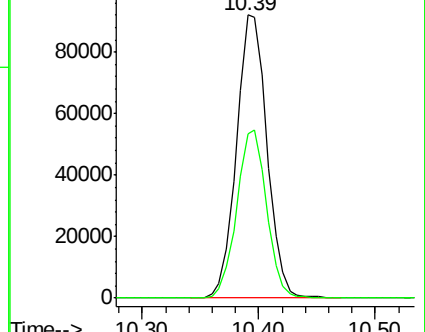
91 100

92 58.3 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 4.447 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW005042.D

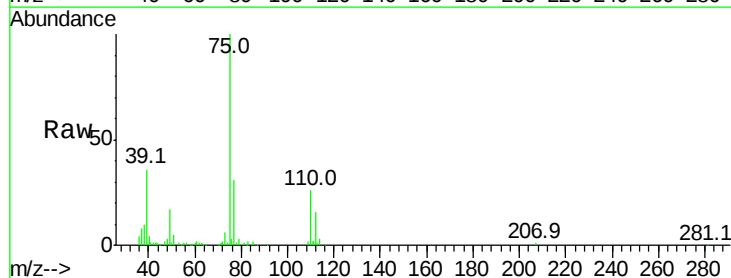
Acq: 31 Aug 2018 14:21

Tgt Ion: 75 Resp: 45579

Ion Ratio Lower Upper

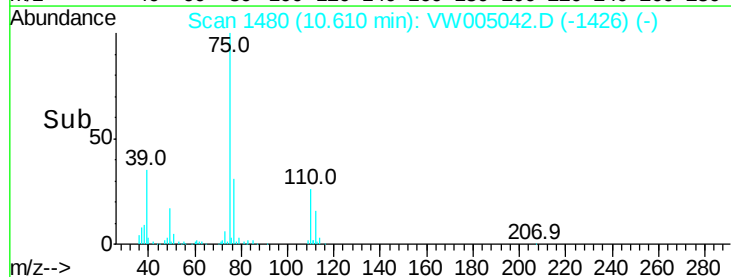
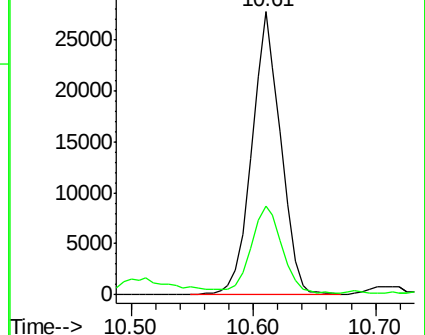
75 100

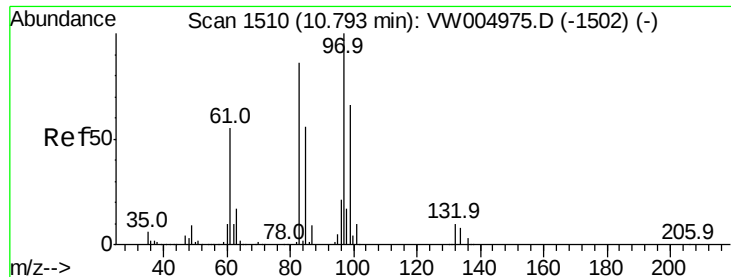
77 31.5 23.2 43.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#46

1,1,2-Trichloroethane

Concen: 4.956 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD00588

Tgt Ion: 97 Resp: 31496

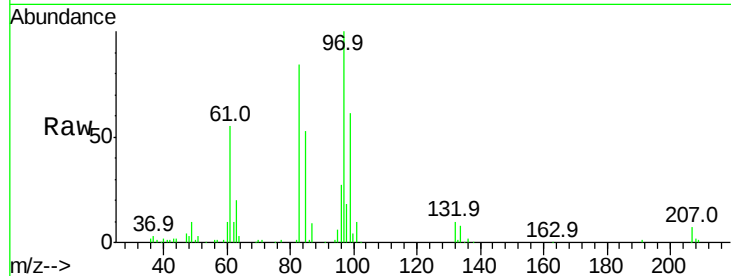
Ion Ratio Lower Upper

97 100

83 83.7 57.3 106.5

85 53.2 37.8 70.2

99 61.4 42.0 78.0

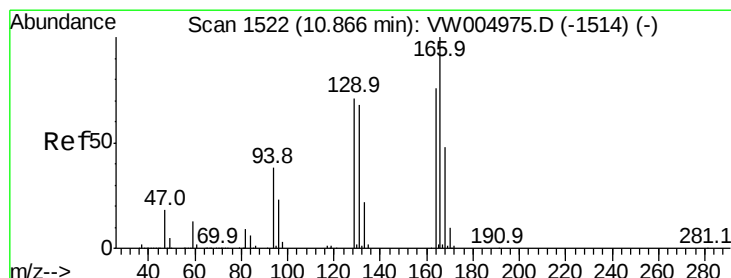
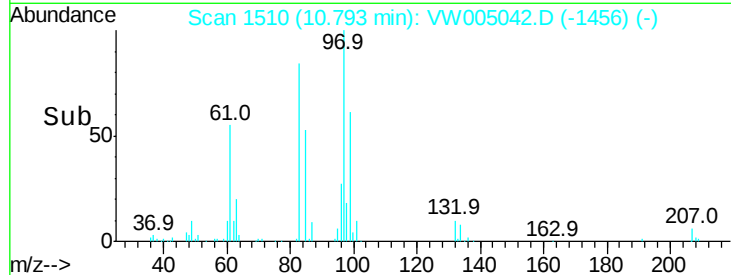
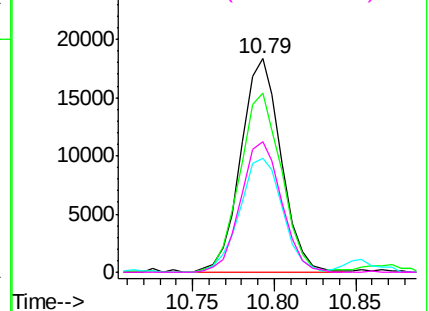


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 4.644 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Tgt Ion: 164 Resp: 37418

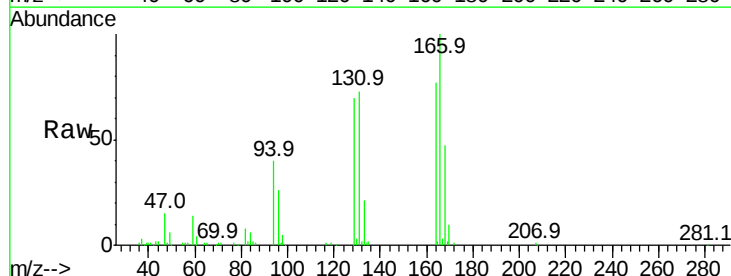
Ion Ratio Lower Upper

164 100

129 91.1 62.6 116.2

131 94.6 61.9 115.1

166 130.2 88.7 164.7

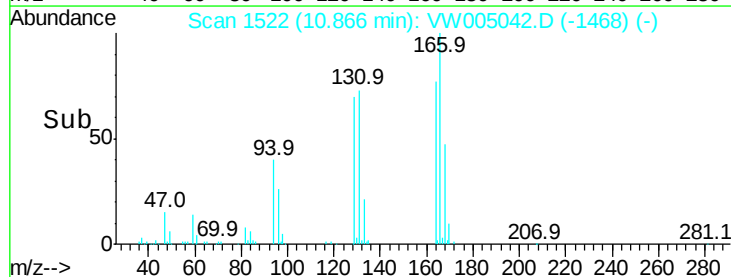
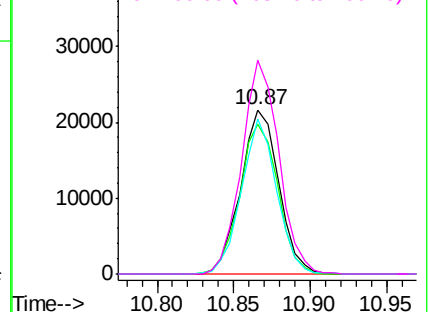


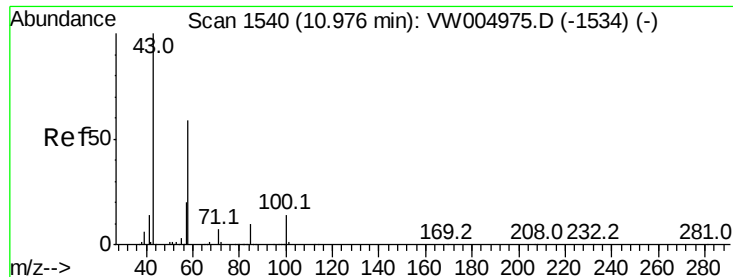
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

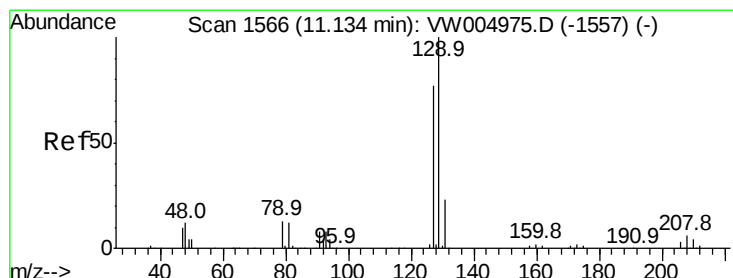
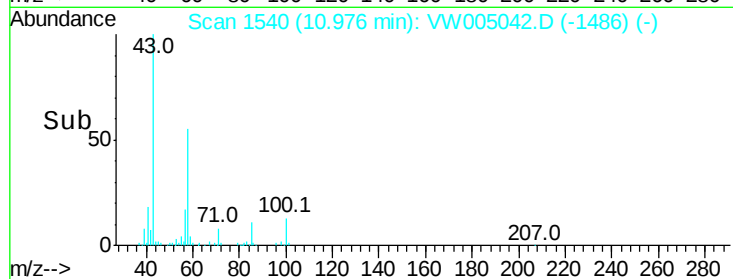
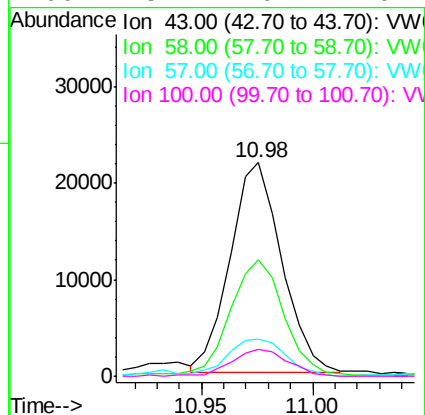
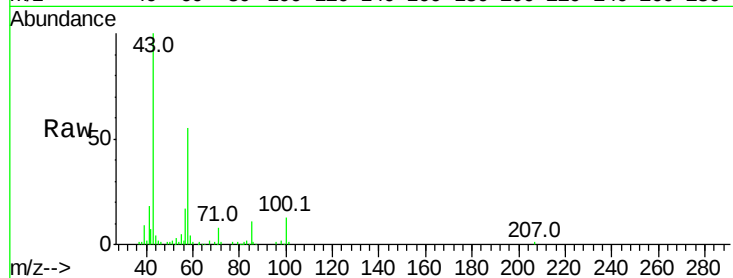




#49
2-Hexanone
Concen: 7.538 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW005042.D
Acq: 31 Aug 2018 14:21

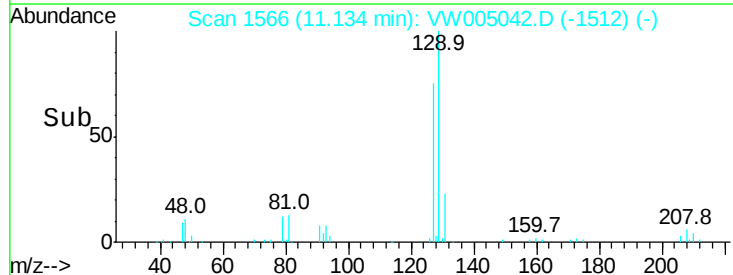
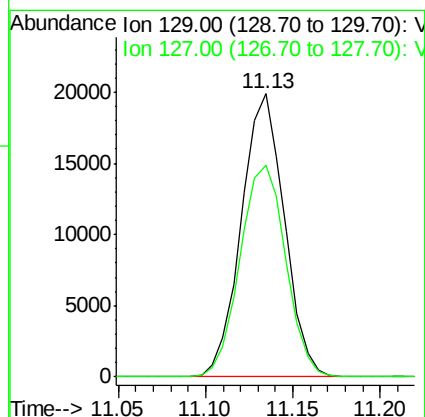
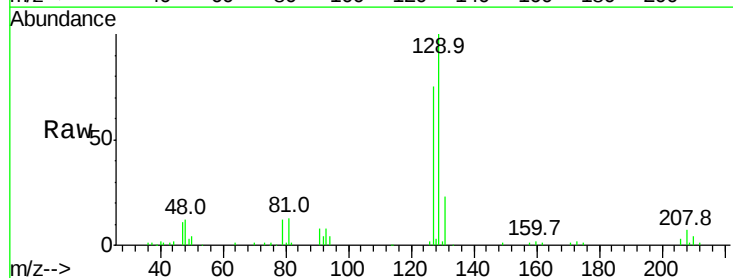
Instrument :
MSVOA_W
ClientSampleId :
VSTD00588

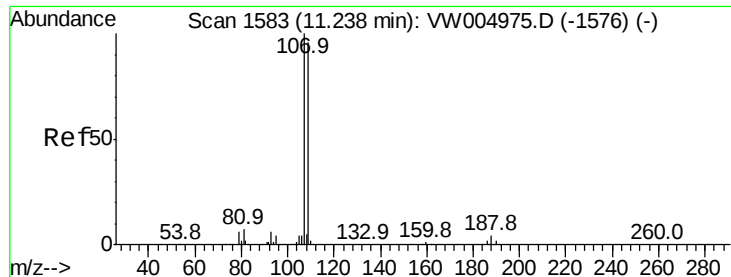
Tgt Ion:	43	Resp:	35010
Ion	Ratio	Lower	Upper
43	100		
58	58.2	45.8	68.8
57	20.1	15.9	23.9
100	13.7	10.7	16.1



#50
Dibromochloromethane
Concen: 4.847 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW005042.D
Acq: 31 Aug 2018 14:21

Tgt Ion:	129	Resp:	34192
Ion	Ratio	Lower	Upper
129	100		
127	74.8	54.1	100.5

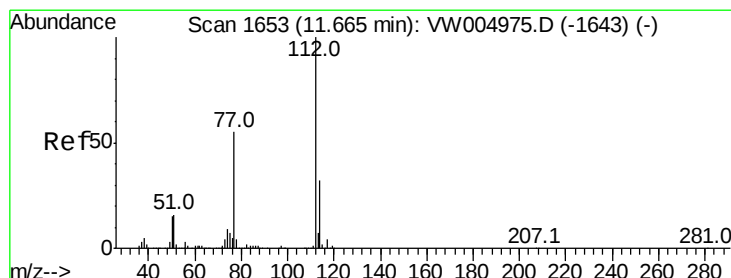
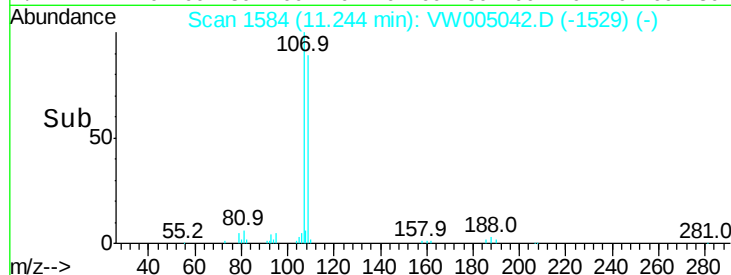
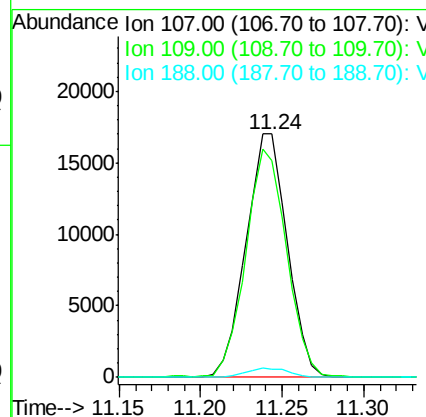
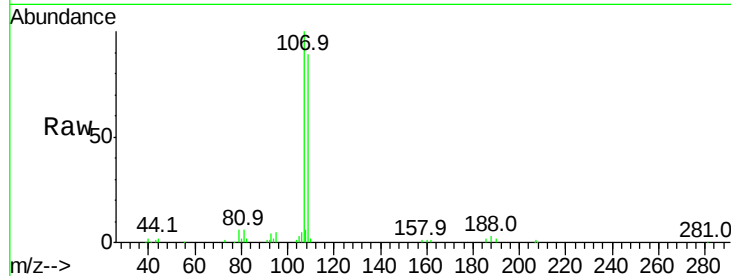




#51
 1,2-Dibromoethane
 Concen: 4.814 ug/L
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: VW005042.D
 Acq: 31 Aug 2018 14:21

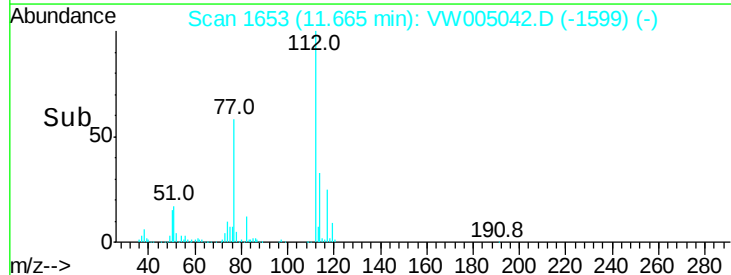
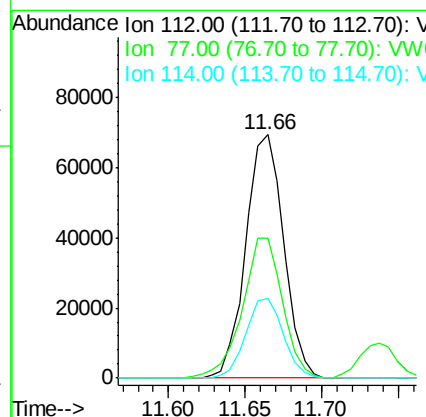
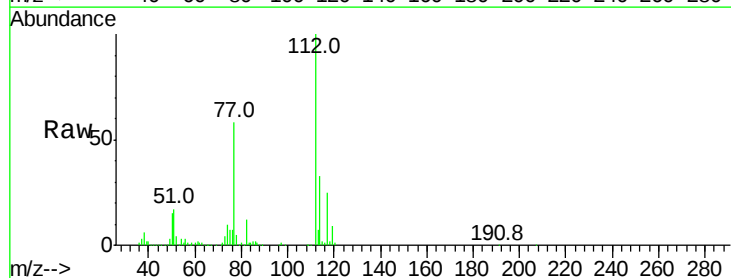
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00588

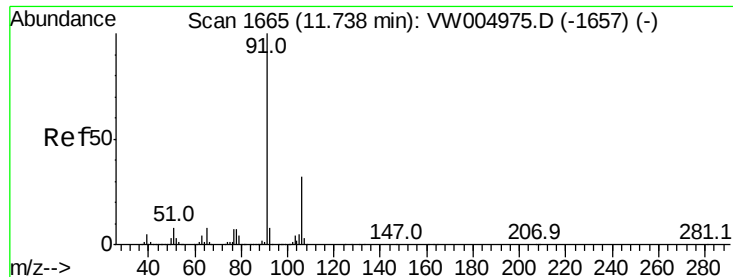
Tgt Ion:107 Resp: 30030
 Ion Ratio Lower Upper
 107 100
 109 89.3 65.9 122.5
 188 3.3 2.8 4.2



#52
 Chlorobenzene
 Concen: 4.542 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VW005042.D
 Acq: 31 Aug 2018 14:21

Tgt Ion:112 Resp: 119923
 Ion Ratio Lower Upper
 112 100
 77 57.6 44.5 66.7
 114 32.8 22.3 41.3





#53

Ethylbenzene

Concen: 4.150 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Instrument :

MSVOA_W

ClientSampled :

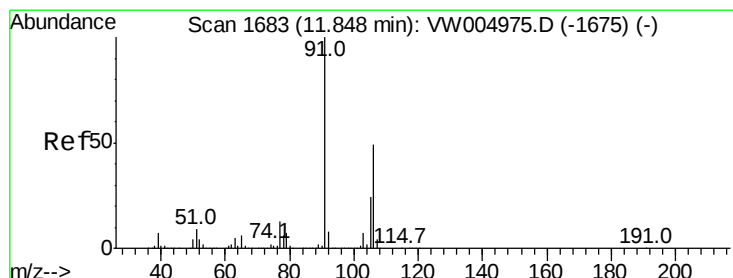
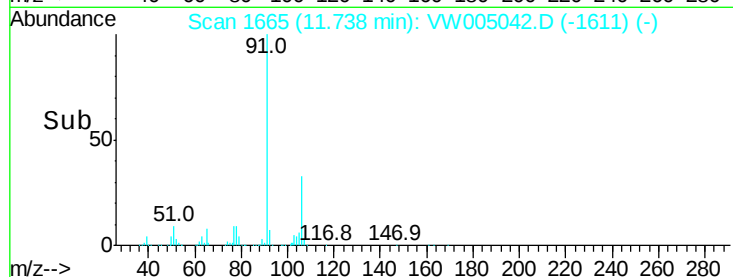
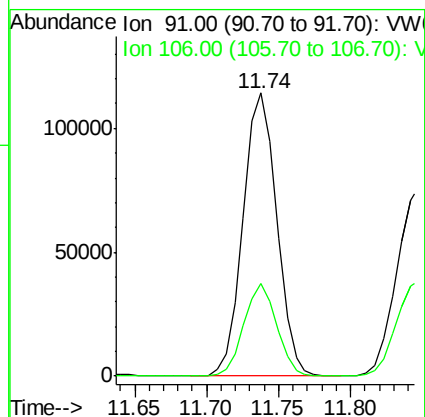
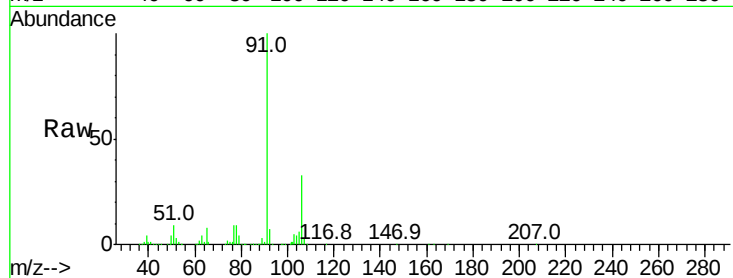
VSTD00588

Tgt Ion: 91 Resp: 185585

Ion Ratio Lower Upper

91 100

106 32.5 22.5 41.7



#54

m,p-Xylene

Concen: 4.334 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW005042.D

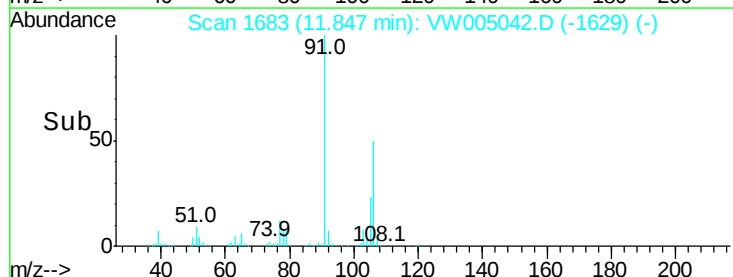
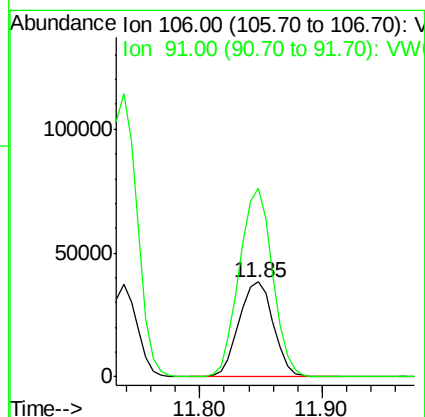
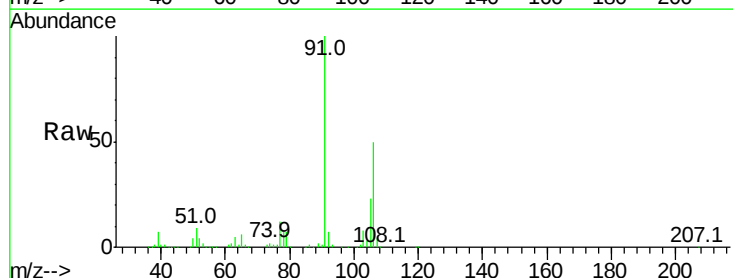
Acq: 31 Aug 2018 14:21

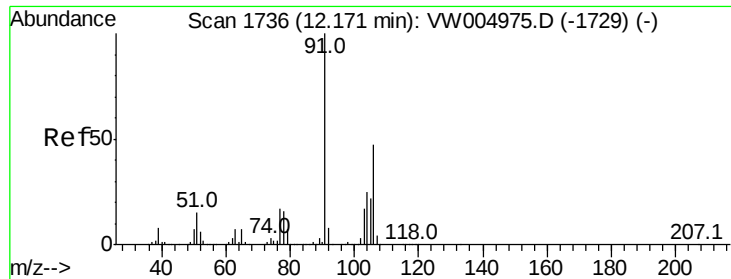
Tgt Ion: 106 Resp: 75188

Ion Ratio Lower Upper

106 100

91 198.7 136.8 254.0

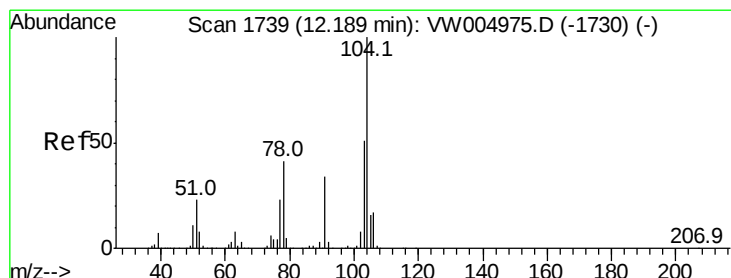
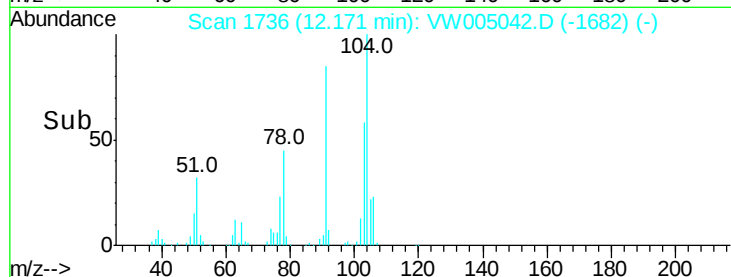
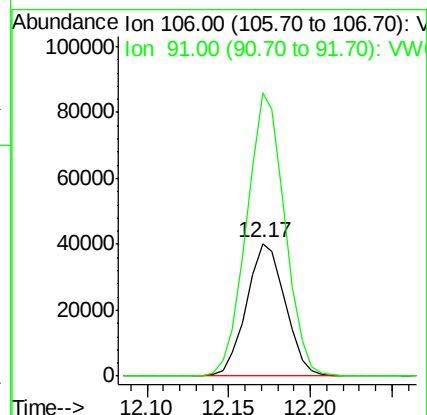
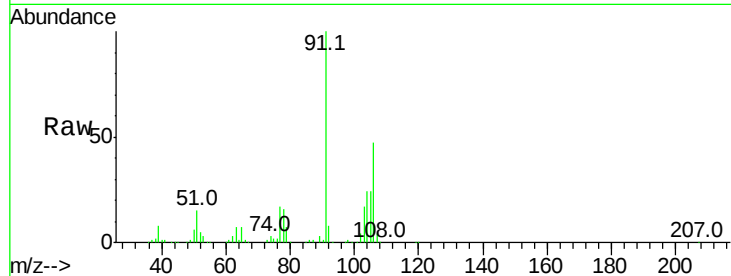




#55
o-xylene
Concen: 4.105 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW005042.D
Acq: 31 Aug 2018 14:21

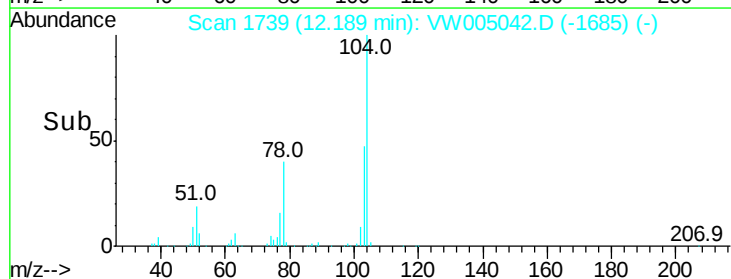
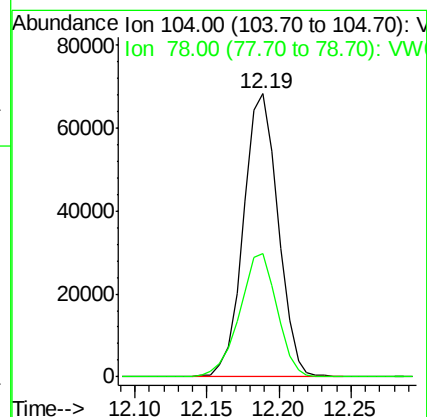
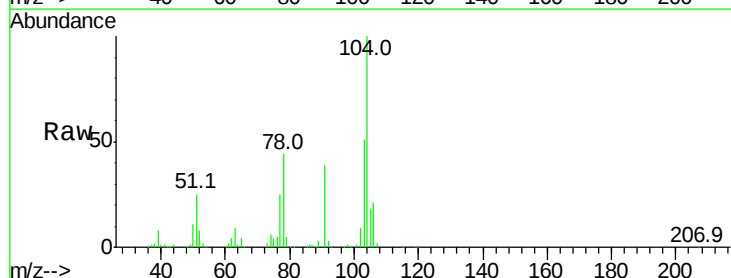
Instrument :
MSVOA_W
ClientSampleId :
VSTD00588

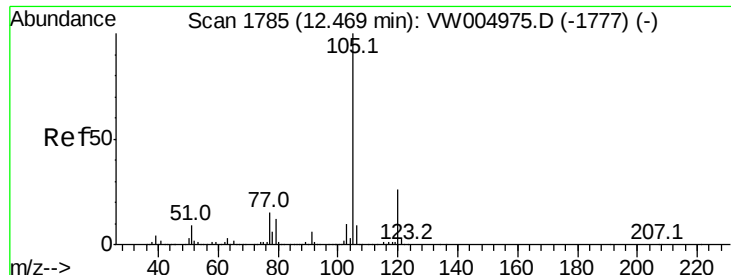
Tgt Ion:106 Resp: 66548
Ion Ratio Lower Upper
106 100
91 213.1 147.8 274.4



#56
Styrene
Concen: 4.085 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW005042.D
Acq: 31 Aug 2018 14:21

Tgt Ion:104 Resp: 113790
Ion Ratio Lower Upper
104 100
78 43.6 29.7 55.1





#57

Isopropylbenzene

Concen: 4.067 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD00588

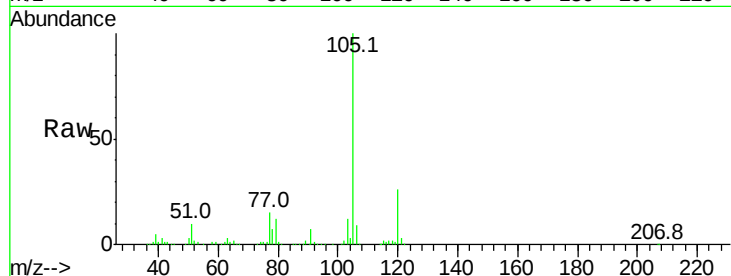
Tgt Ion: 105 Resp: 176101

Ion Ratio Lower Upper

105 100

120 26.9 21.6 32.4

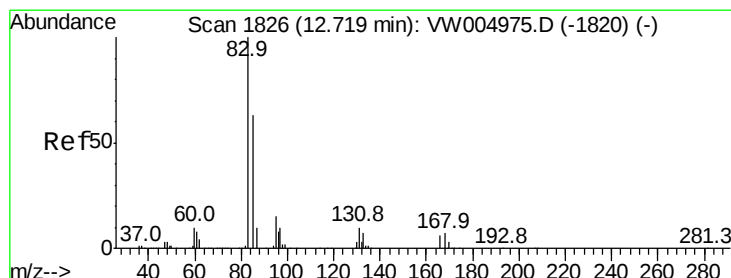
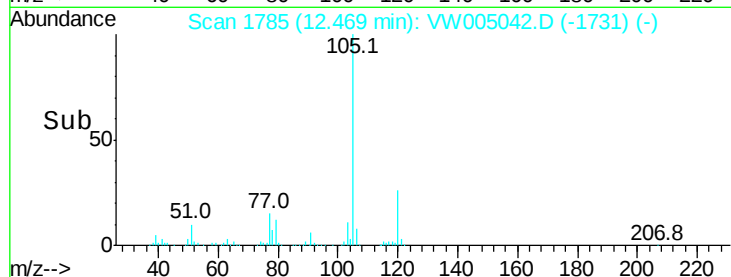
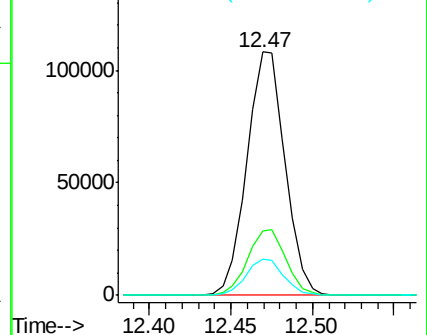
77 14.8 11.8 17.8



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: 4.594 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

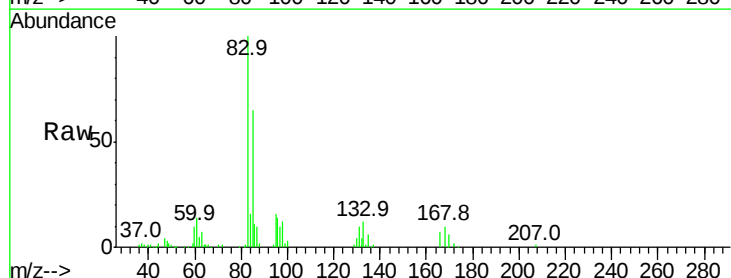
Tgt Ion: 83 Resp: 41604

Ion Ratio Lower Upper

83 100

85 65.1 44.9 83.5

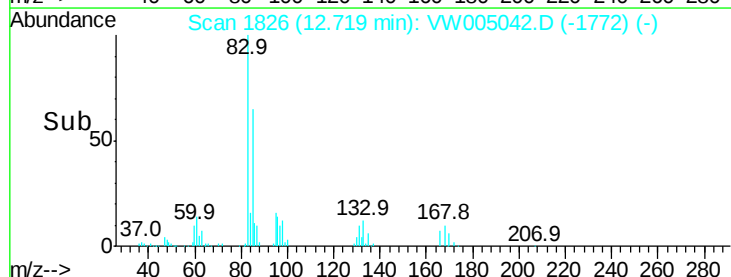
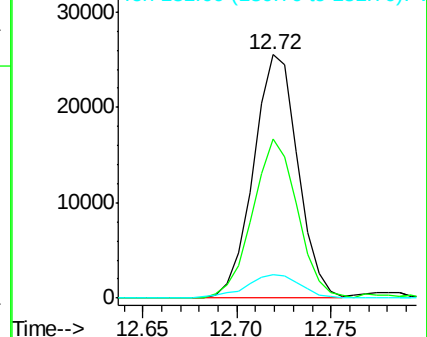
131 9.9 7.9 11.9

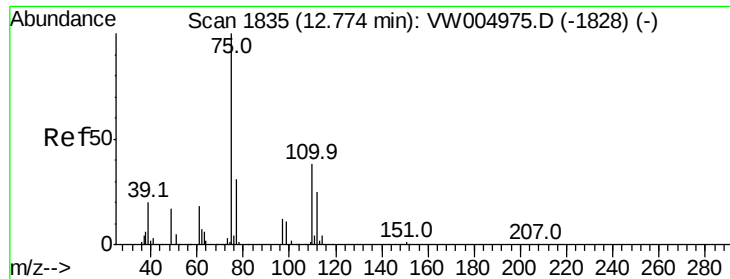


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 4.823 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

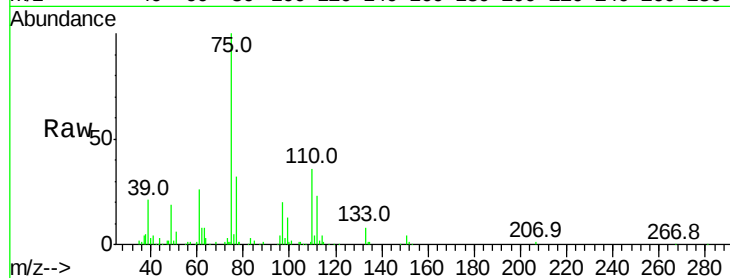
VSTD00588

Tgt Ion: 75 Resp: 33656

Ion Ratio Lower Upper

75 100

77 33.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

20000

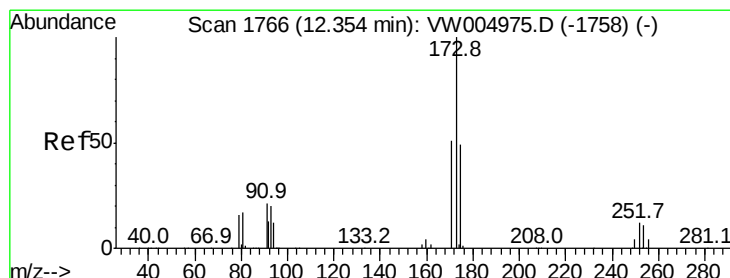
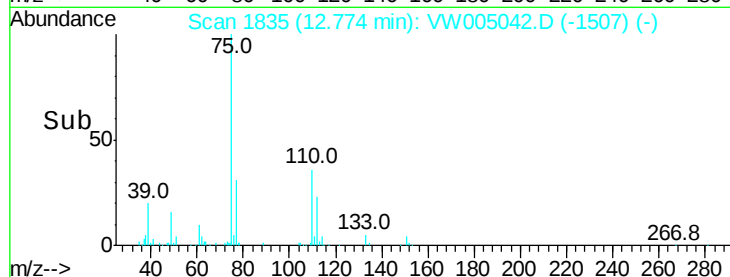
15000

10000

5000

0

Time--> 12.70 12.75 12.80 12.85



#62

Bromoform

Concen: 4.792 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

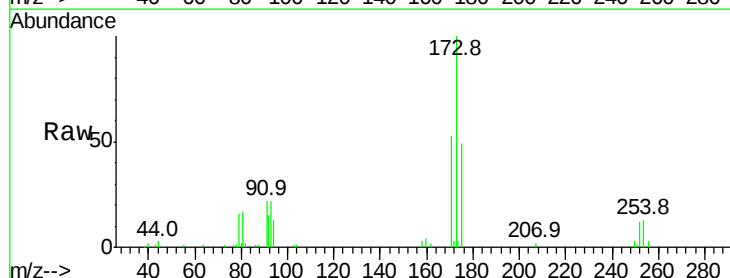
Tgt Ion: 173 Resp: 22810

Ion Ratio Lower Upper

173 100

175 48.3 39.5 59.3

254 10.8 9.4 14.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

12.35

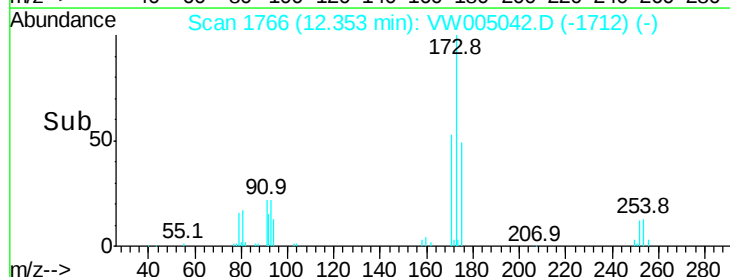
15000

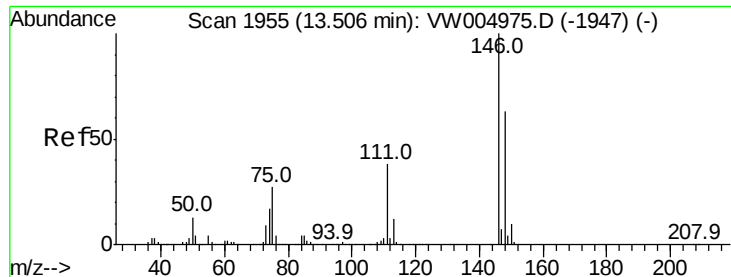
10000

5000

0

Time--> 12.30 12.35 12.40

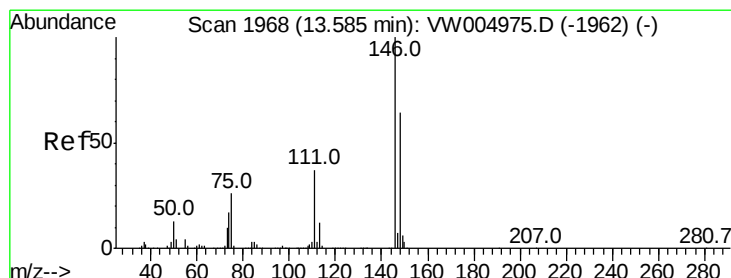
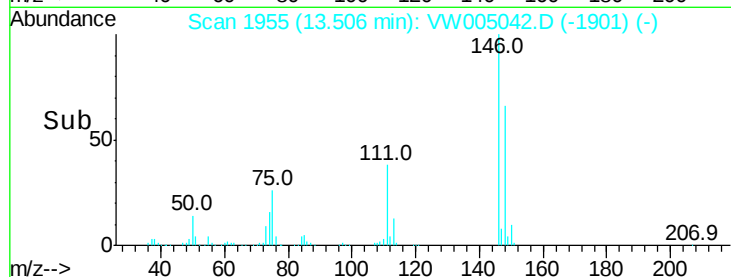
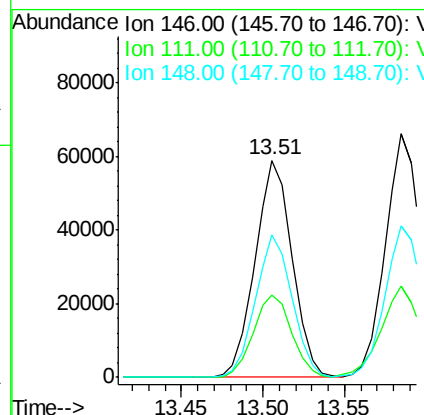
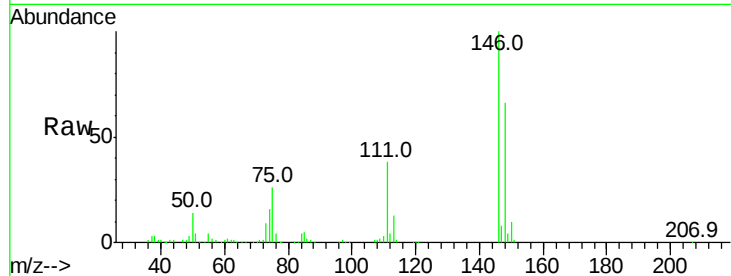




#63
 1,3-Dichlorobenzene
 Concen: 4.496 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW005042.D
 Acq: 31 Aug 2018 14:21

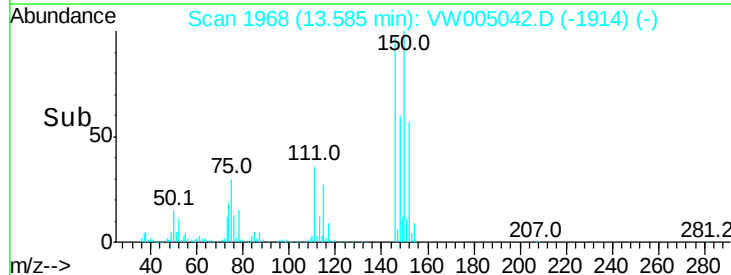
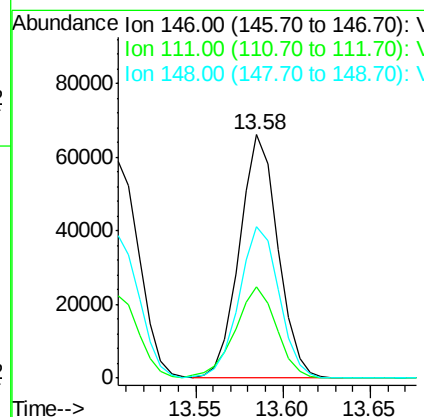
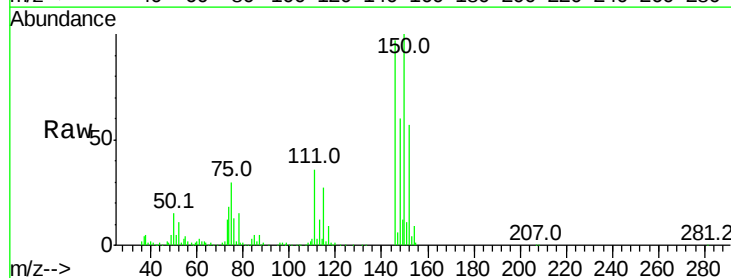
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00588

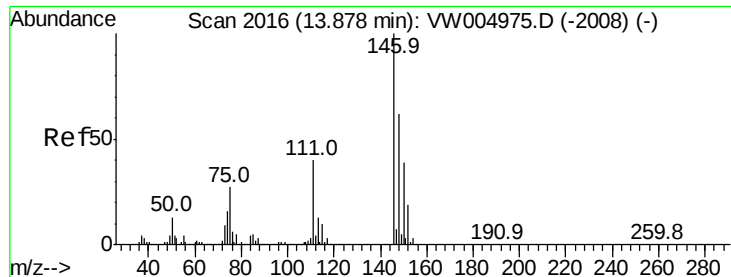
Tgt Ion:146 Resp: 92983
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.8 49.8
 148 65.5 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 4.678 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW005042.D
 Acq: 31 Aug 2018 14:21

Tgt Ion:146 Resp: 101296
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.0 48.4
 148 62.3 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 4.591 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD00588

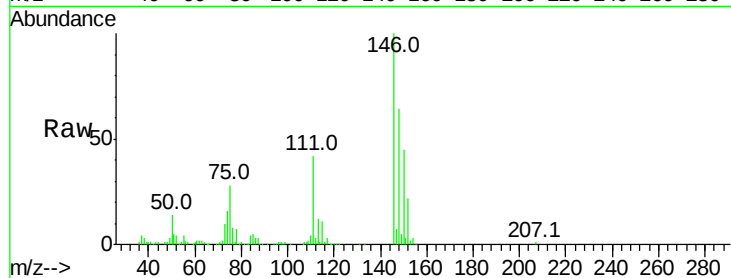
Tgt Ion:146 Resp: 90974

Ion Ratio Lower Upper

146 100

111 41.6 32.2 48.2

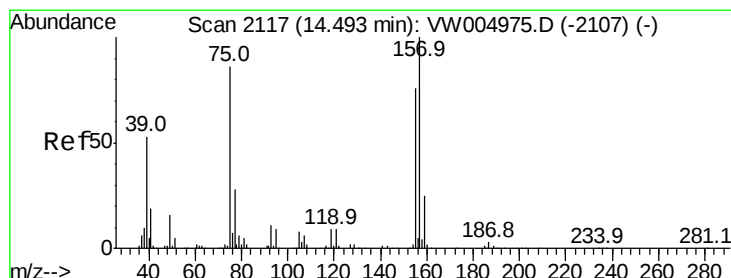
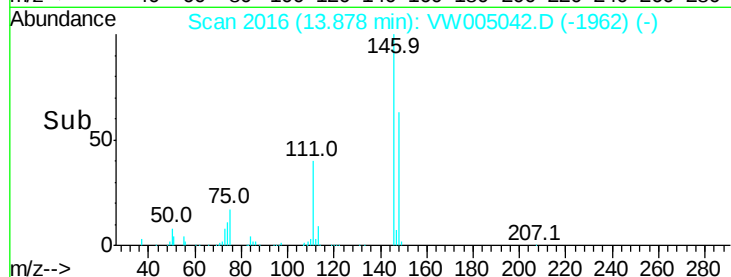
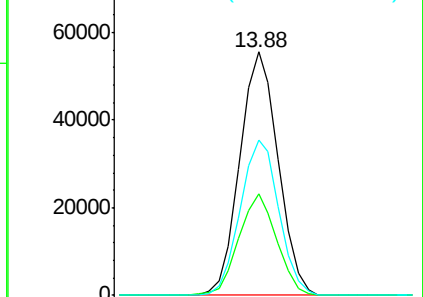
148 63.7 49.9 74.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.227 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW005042.D

Acq: 31 Aug 2018 14:21

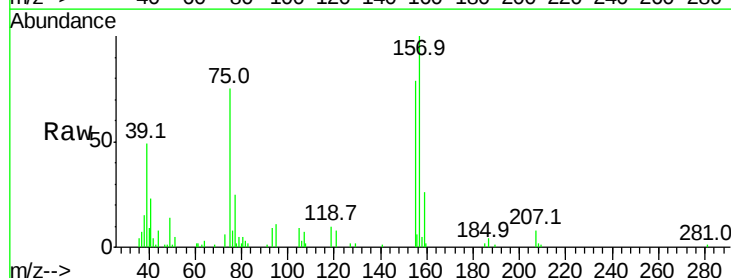
Tgt Ion: 75 Resp: 7103

Ion Ratio Lower Upper

75 100

157 134.0 87.6 131.4#

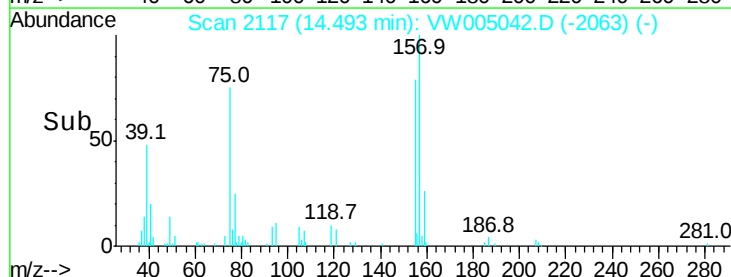
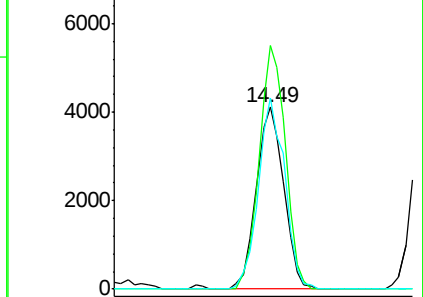
155 105.3 72.4 108.6

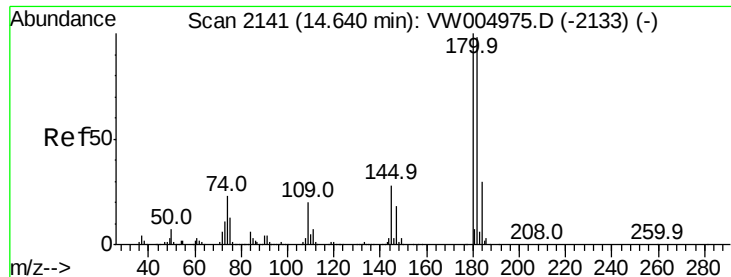


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

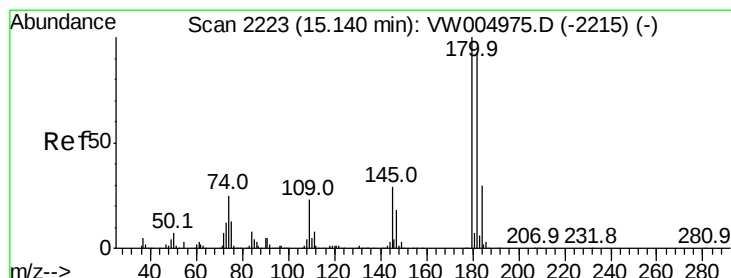
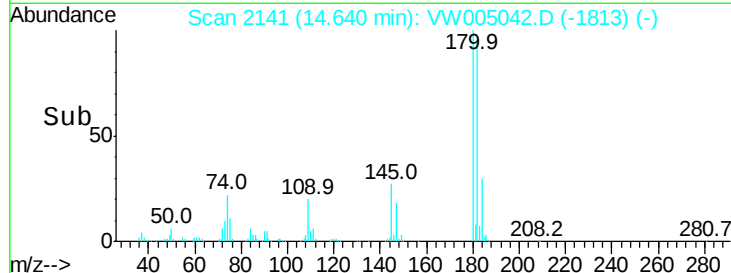
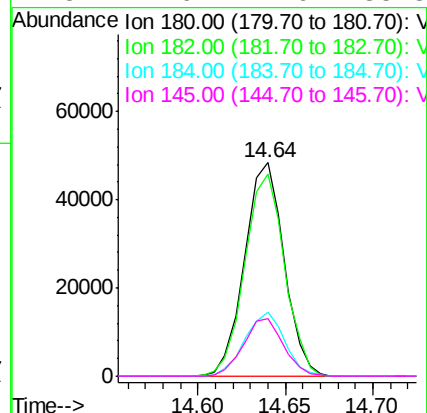
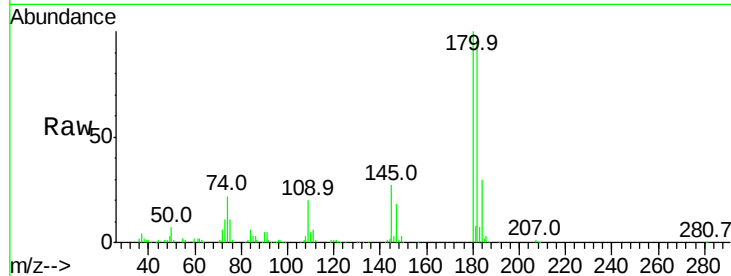




#67
 1,3,5-Trichlorobenzene
 Concen: 4.598 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW005042.D
 Acq: 31 Aug 2018 14:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00588

Tgt Ion:180 Resp: 76091
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.6 115.0
 184 30.2 24.2 36.4
 145 27.6 22.6 33.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.356 ug/L
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW005042.D
 Acq: 31 Aug 2018 14:21

Tgt Ion:180 Resp: 58211
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.9 115.3
 145 29.4 23.4 35.0

