

Data File : VW004029.D
Acq On : 18 Jul 2018 13:03
Operator : VA/AP
Sample : VSTD05084
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

Quant Time: Jul 18 13:50:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 18 13:23:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	364021	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	337431	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	175631	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	143206	32.72	ug/L	0.00
7) Chloroethane-d5	2.89	69	114160	33.27	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	384199	40.99	ug/L	0.00
20) 2-Butanone-d5	7.09	46	181159	118.99	ug/L	0.00
24) Chloroform-d	7.65	84	391184	42.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	232015	41.76	ug/L	0.00
29) Benzene-d6	8.28	84	708371	41.08	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	245915	43.68	ug/L	0.00
37) Toluene-d8	10.33	98	647940	40.01	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	111394	43.63	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	139448	128.79	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	257341	50.19	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	255017	40.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	144240	92.635 ug/L	# 87
3) Chloromethane	2.21	50	189119	54.163 ug/L	96
5) Vinyl chloride	2.36	62	284309	53.568 ug/L	100
6) Bromomethane	2.78	94	153932	53.158 ug/L	99
8) Chloroethane	2.93	64	151443	47.930 ug/L	96
9) Trichlorofluoromethane	3.26	101	131108	46.128 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	248457	54.854 ug/L	98
12) 1,1-Dichloroethene	4.04	96	243117	54.618 ug/L	92
13) Acetone	4.13	43	196140	127.590 ug/L	100
14) Carbon disulfide	4.38	76	797896	55.329 ug/L	99
15) Methyl Acetate	4.67	43	175638	62.011 ug/L	99
16) Methylene chloride	4.92	84	269749	51.861 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	508441	59.341 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	259113	54.459 ug/L	97
19) 1,1-Dichloroethane	6.21	63	484152	53.965 ug/L	99
21) 2-Butanone	7.18	43	256791	136.950 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	281648	55.600 ug/L	96
23) Bromochloromethane	7.51	128	127089	54.573 ug/L	98
25) Chloroform	7.68	83	490000	53.177 ug/L	100
27) 1,2-Dichloroethane	8.40	62	357028	53.754 ug/L	97
30) Cyclohexane	7.96	56	480684	61.844 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	383051	51.611 ug/L	99
32) Carbon tetrachloride	8.07	117	379527	54.032 ug/L	100
34) Benzene	8.33	78	1084186	54.937 ug/L	100
35) Trichloroethene	9.09	95	281956	53.344 ug/L	99
36) Methylcyclohexane	9.34	83	516485	57.964 ug/L	98
40) 1,2-Dichloropropane	9.37	63	288134	54.875 ug/L	99
41) Bromodichloromethane	9.65	83	360089	54.234 ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	444041	57.124 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	497842	136.314 ug/L	100

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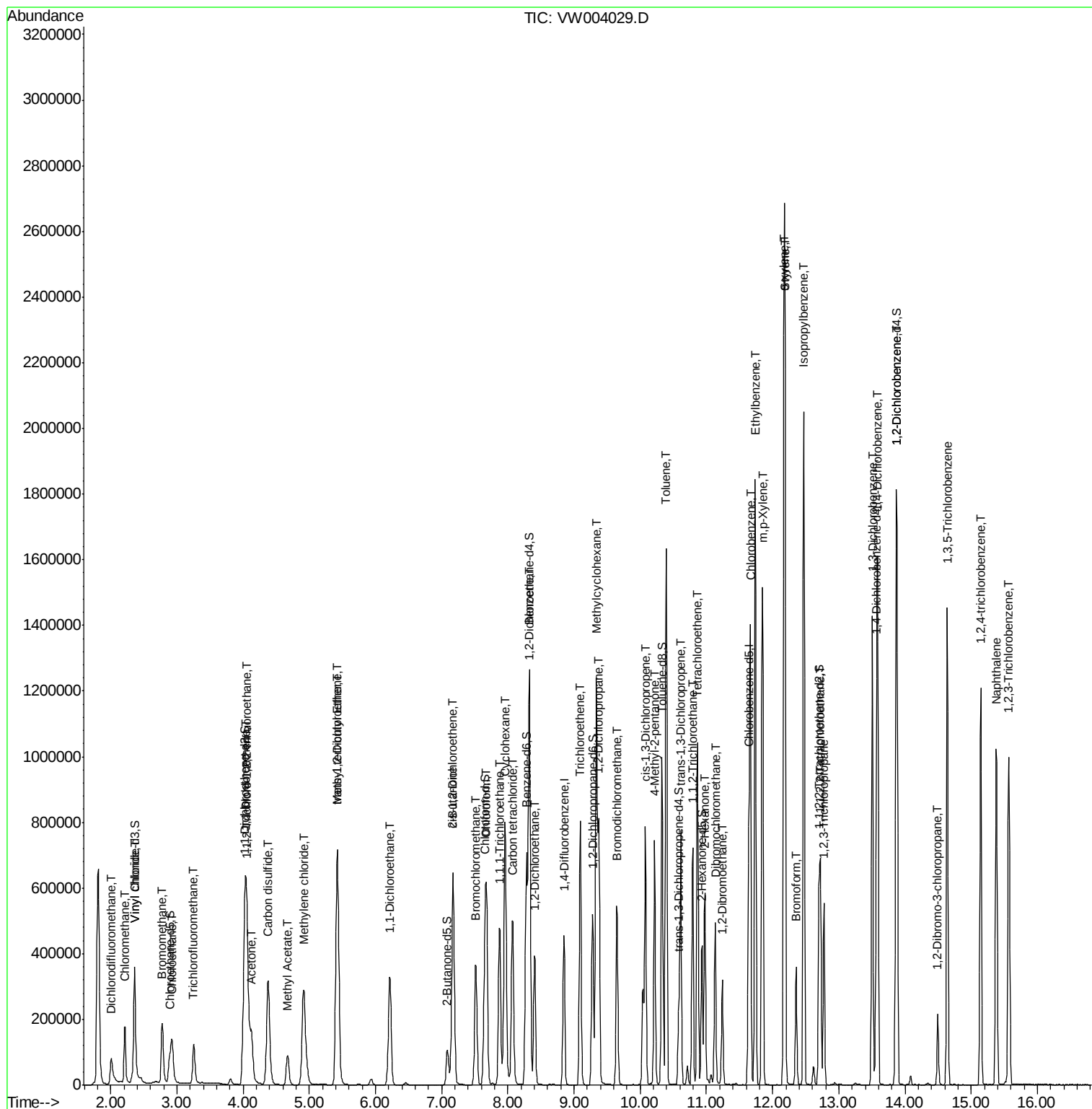
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1162148	55.077	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	400715	56.729	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	219053	56.187	ug/L	98
47) Tetrachloroethene	10.87	164	226880	52.759	ug/L	96
49) 2-Hexanone	10.98	43	373817	135.174	ug/L	99
50) Dibromochloromethane	11.13	129	254476	54.775	ug/L	96
51) 1,2-Dibromoethane	11.24	107	215122	56.640	ug/L	99
52) Chlorobenzene	11.66	112	719219	52.252	ug/L	99
53) Ethylbenzene	11.74	91	1272618	53.238	ug/L	98
54) m,p-Xylene	11.85	106	478273	54.412	ug/L	99
55) o-xylene	12.17	106	467150	56.425	ug/L	98
56) Styrene	12.19	104	817079	56.890	ug/L	99
57) Isopropylbenzene	12.47	105	1282223	55.747	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	297341	58.092	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	225426	57.669	ug/L	99
62) Bromoform	12.35	173	164442	55.990	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	561238	51.623	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	582646	50.639	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	536737	51.185	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	53843	58.021	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	440046	51.794	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	371172	53.964	ug/L	97
69) Naphthalene	15.38	128	866790	62.539	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	343467	53.738	ug/L	99

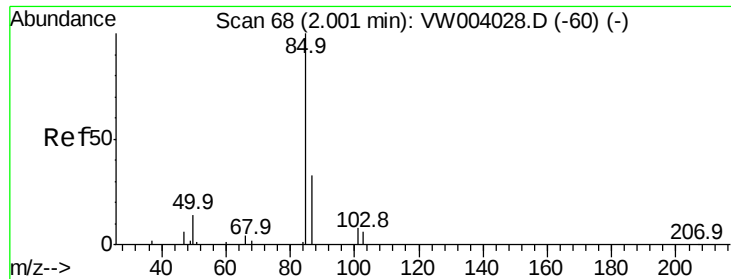
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 92.635 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

Instrument :

MSVOA_W

ClientSampleId :

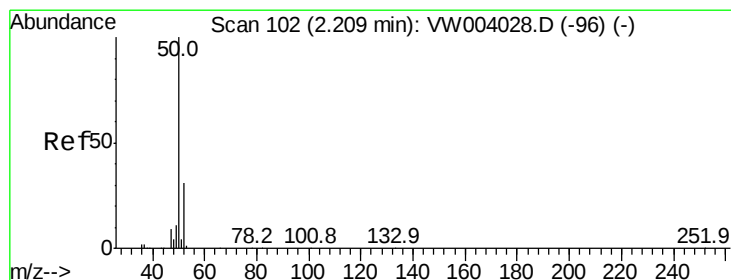
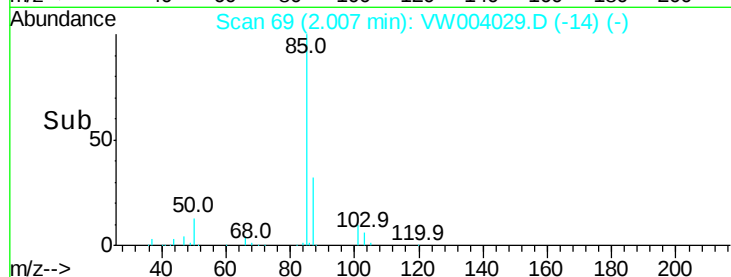
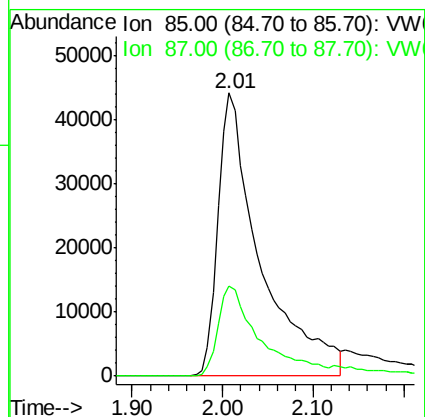
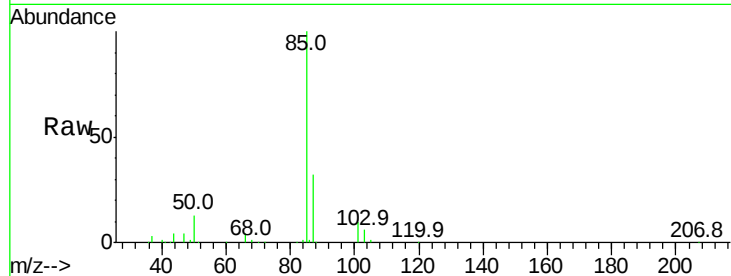
VSTD05084

Tgt Ion: 85 Resp: 144240

Ion Ratio Lower Upper

85 100

87 31.6 0.1 0.1#



#3

Chloromethane

Concen: 54.163 ug/L

RT: 2.21 min Scan# 103

Delta R.T. 0.01 min

Lab File: VW004029.D

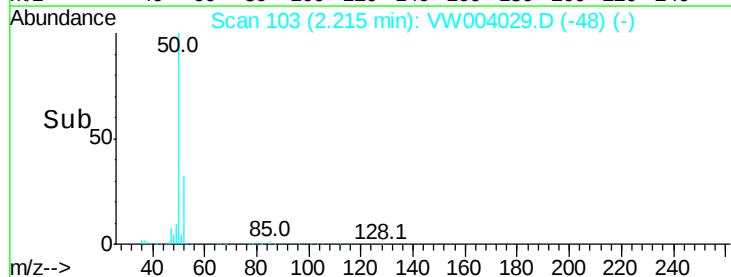
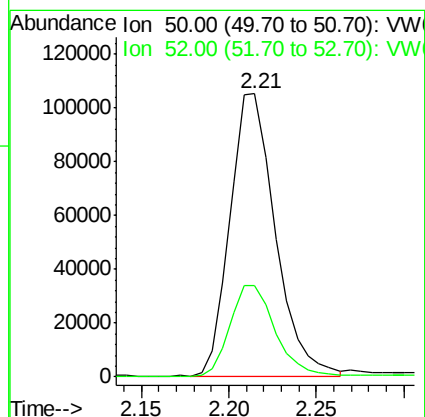
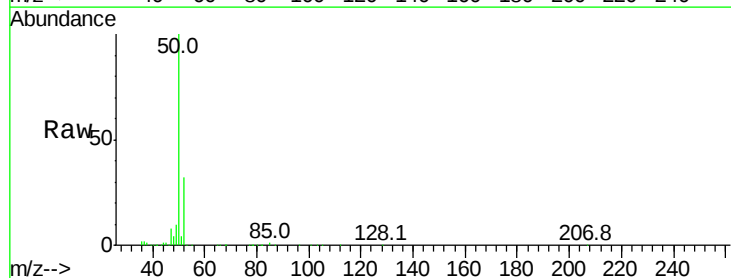
Acq: 18 Jul 2018 13:03

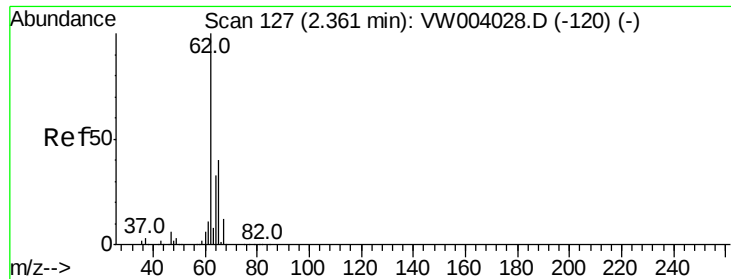
Tgt Ion: 50 Resp: 189119

Ion Ratio Lower Upper

50 100

52 32.5 21.3 39.6





#5

Vinyl chloride

Concen: 53.568 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

Instrument :

MSVOA_W

ClientSampleId :

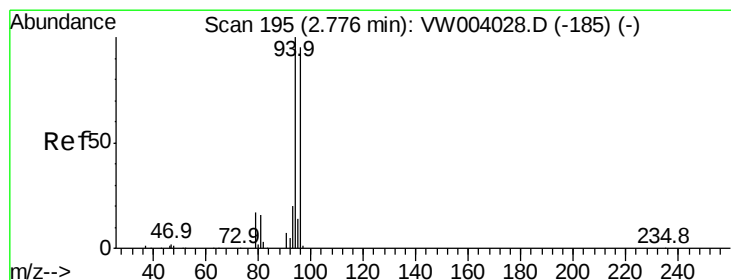
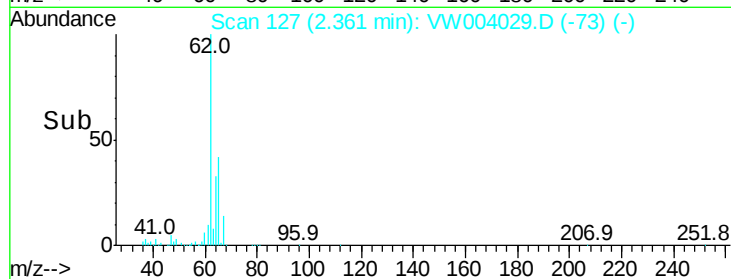
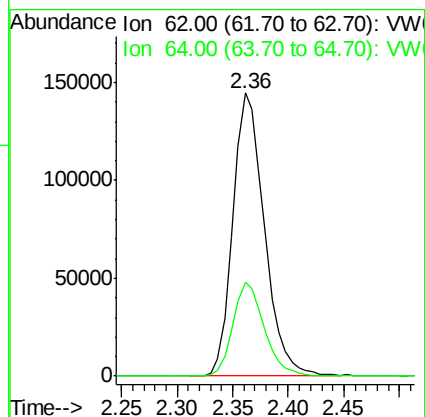
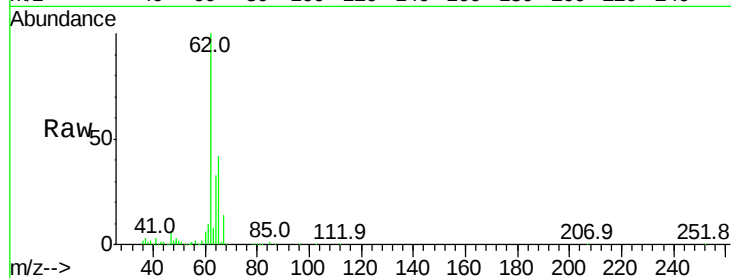
VSTD05084

Tgt Ion: 62 Resp: 284309

Ion Ratio Lower Upper

62 100

64 33.2 23.1 42.9



#6

Bromomethane

Concen: 53.158 ug/L

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW004029.D

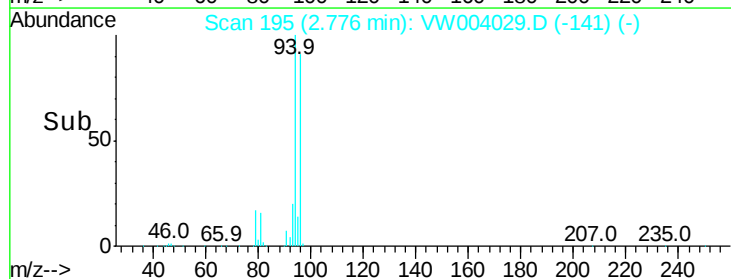
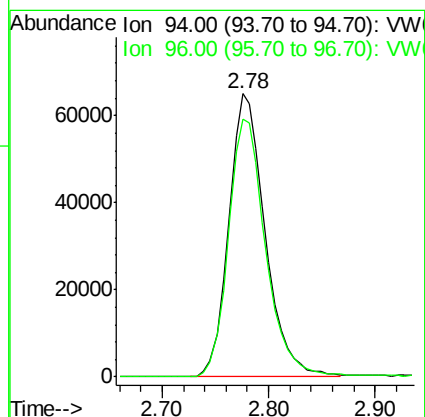
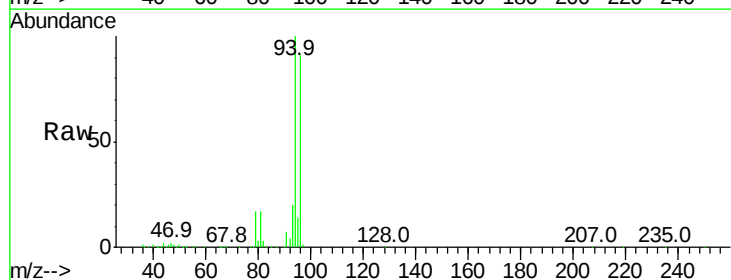
Acq: 18 Jul 2018 13:03

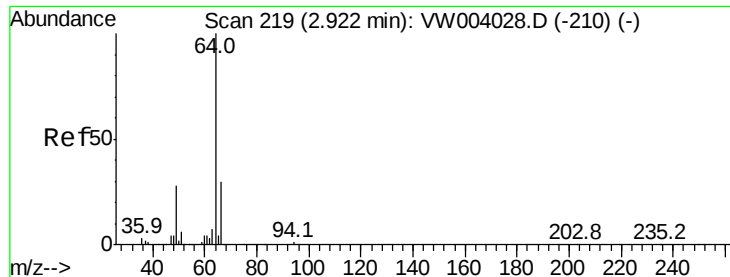
Tgt Ion: 94 Resp: 153932

Ion Ratio Lower Upper

94 100

96 93.7 9.5 179.9





#8

Chloroethane

Concen: 47.930 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

Instrument :

MSVOA_W

ClientSampleId :

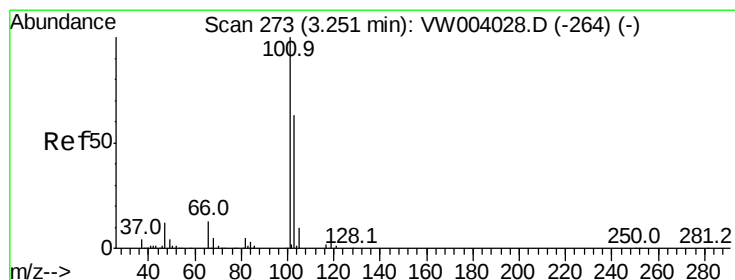
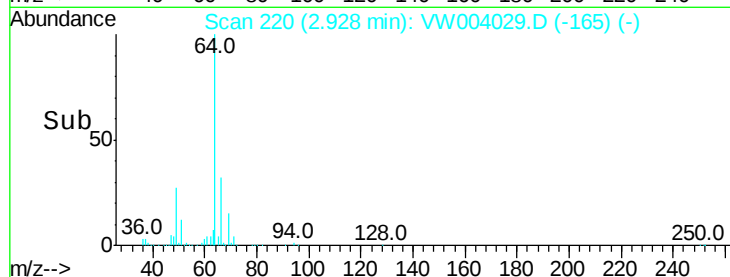
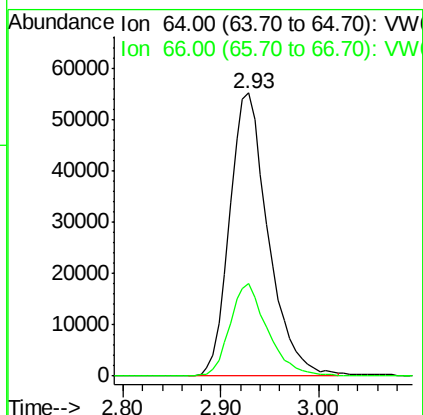
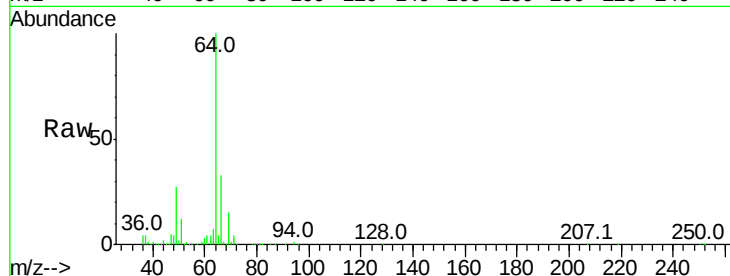
VSTD05084

Tgt Ion: 64 Resp: 151443

Ion Ratio Lower Upper

64 100

66 32.6 21.2 39.4



#9

Trichlorofluoromethane

Concen: 46.128 ug/L

RT: 3.26 min Scan# 274

Delta R.T. 0.01 min

Lab File: VW004029.D

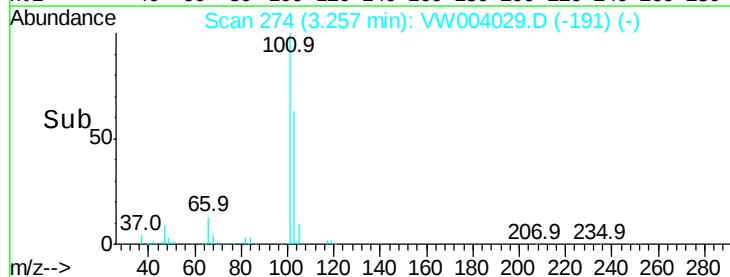
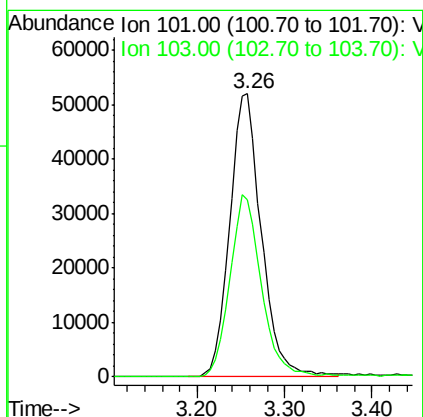
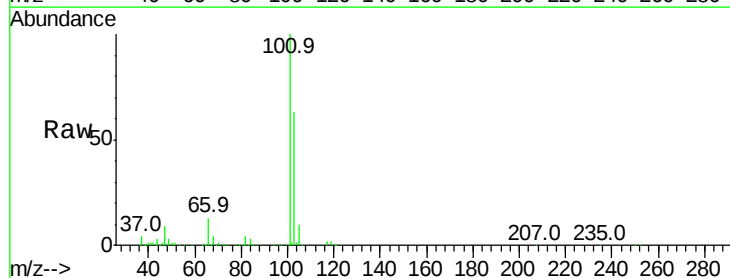
Acq: 18 Jul 2018 13:03

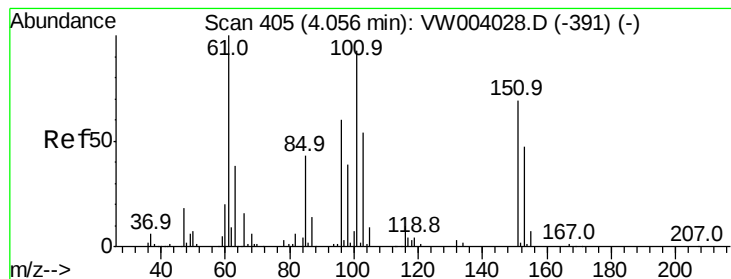
Tgt Ion: 101 Resp: 131108

Ion Ratio Lower Upper

101 100

103 63.9 45.6 84.8





#11

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

Concen: 54.854 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

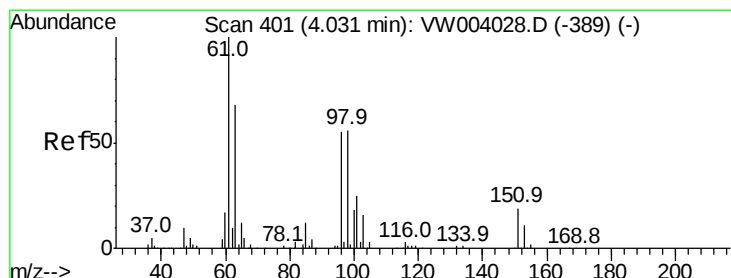
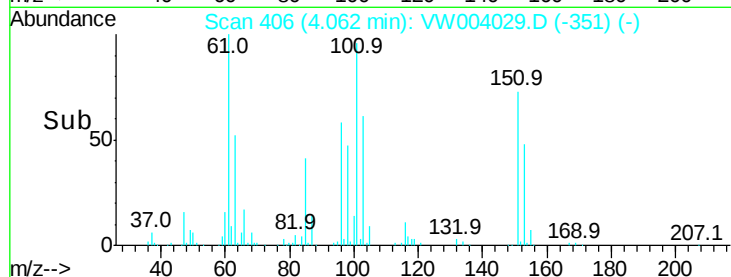
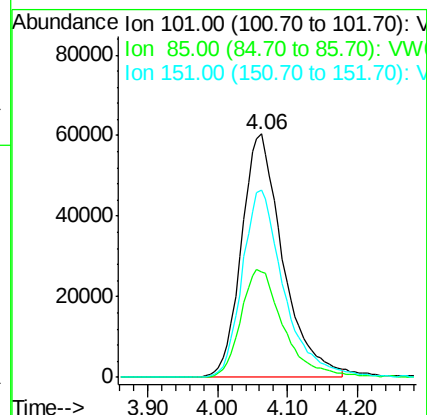
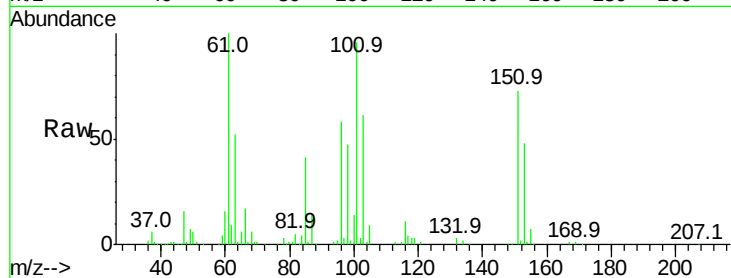
Tgt Ion:101 Resp: 248457

Ion Ratio Lower Upper

101 100

85 45.6 36.2 54.4

151 77.1 59.5 89.3



#12

1,1-Dichloroethene

Concen: 54.618 ug/L

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

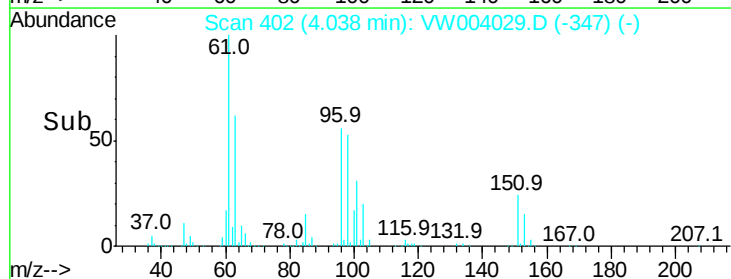
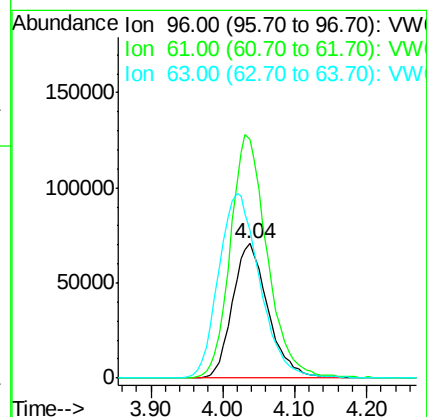
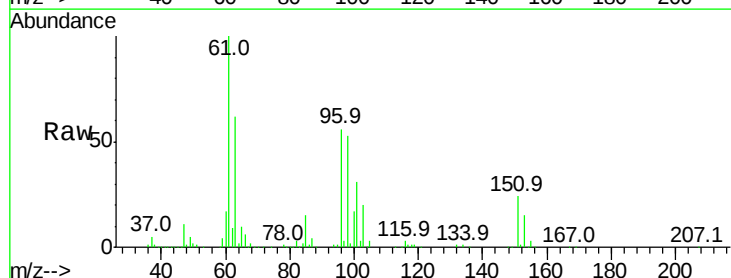
Tgt Ion: 96 Resp: 243117

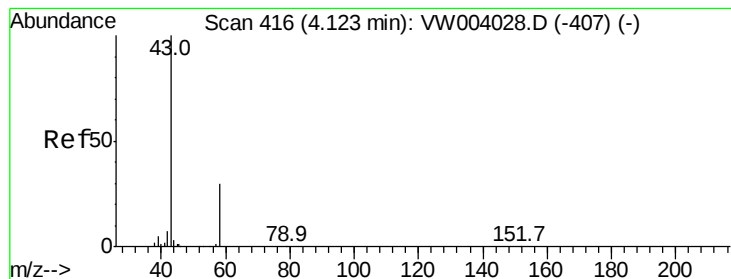
Ion Ratio Lower Upper

96 100

61 177.3 127.3 236.5

63 109.9 88.5 164.4





#13

Acetone

Concen: 127.590 ug/L

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

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Acq: 18 Jul 2018 13:03

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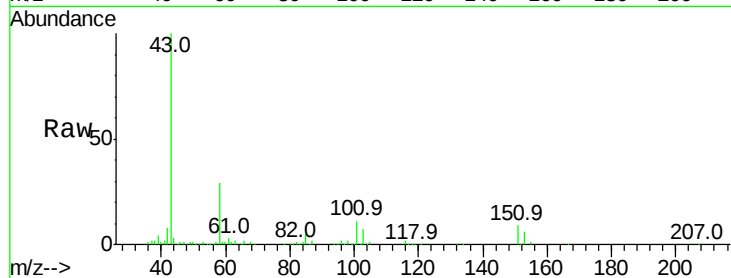
VSTD05084

Tgt Ion: 43 Resp: 196140

Ion Ratio Lower Upper

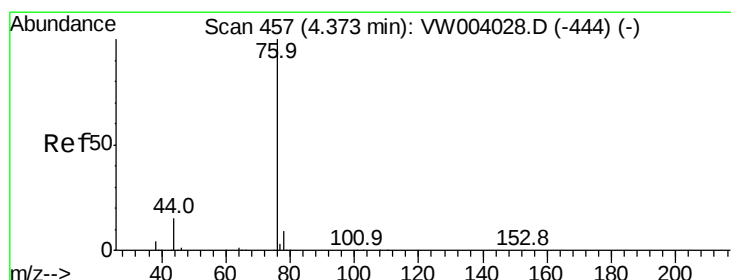
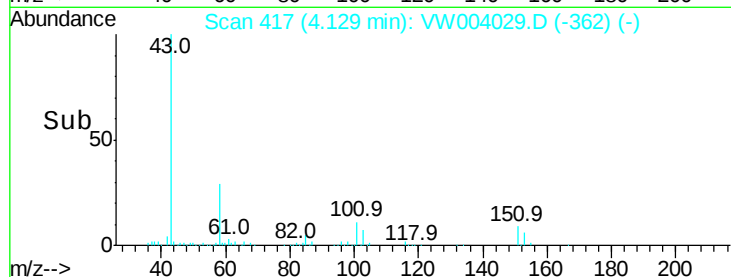
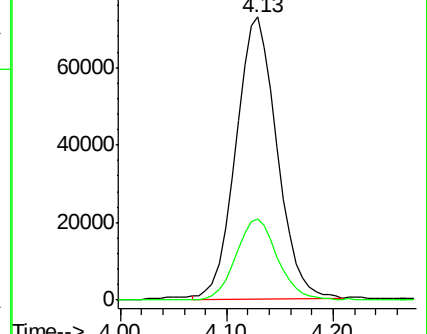
43 100

58 29.5 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 55.329 ug/L

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW004029.D

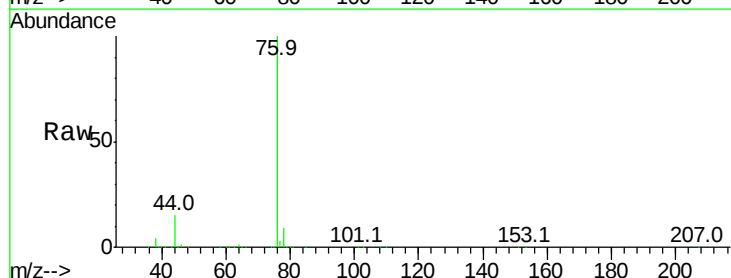
Acq: 18 Jul 2018 13:03

Tgt Ion: 76 Resp: 797896

Ion Ratio Lower Upper

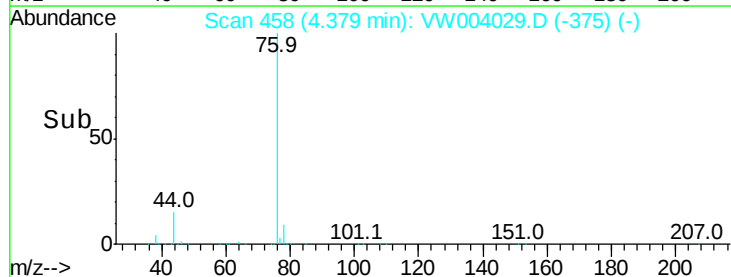
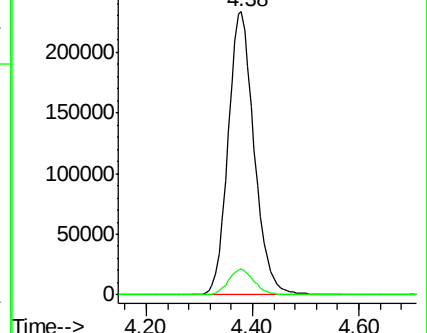
76 100

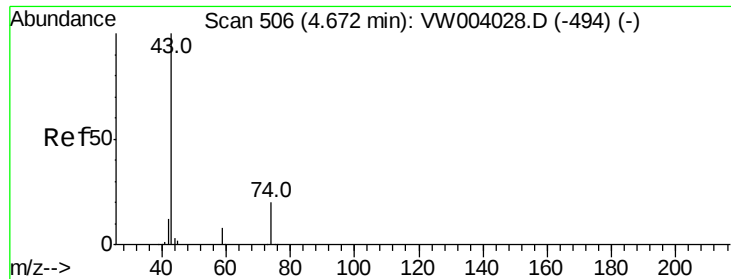
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

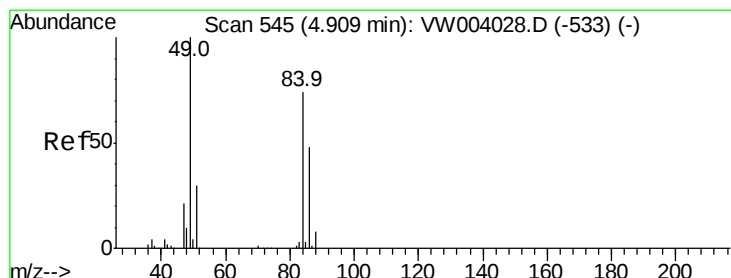
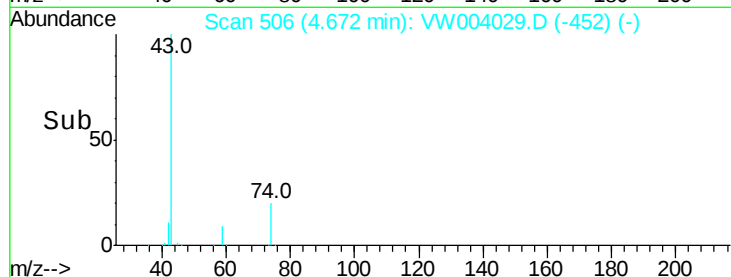
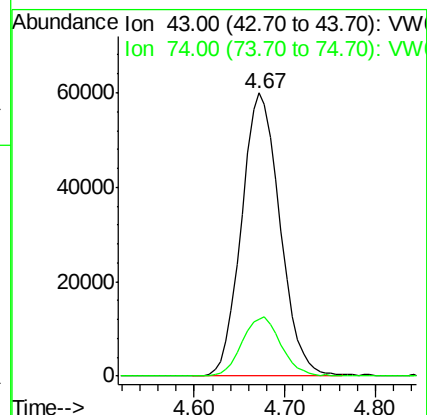
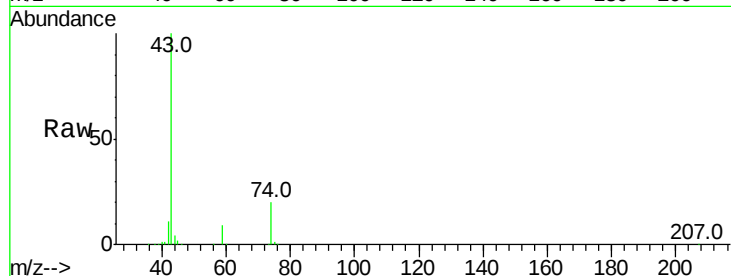




#15
Methyl Acetate
Concen: 62.011 ug/L
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004029.D
Acq: 18 Jul 2018 13:03

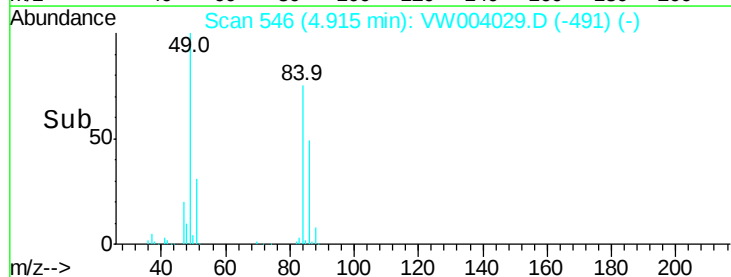
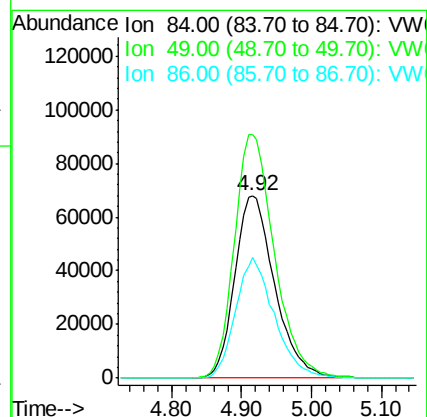
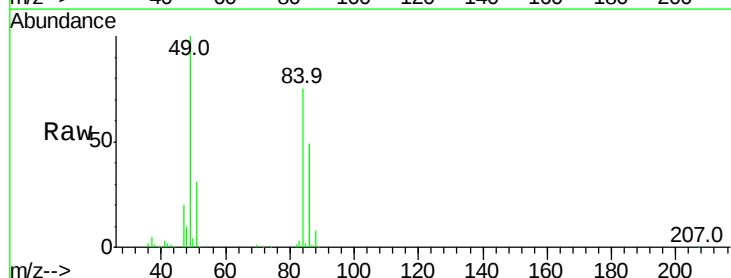
Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

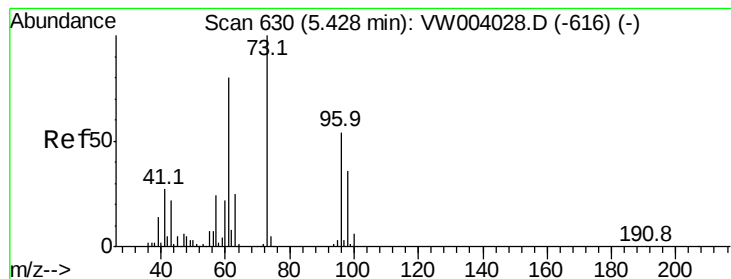
Tgt Ion: 43 Resp: 175638
Ion Ratio Lower Upper
43 100
74 21.1 16.6 24.8



#16
Methylene chloride
Concen: 51.861 ug/L
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004029.D
Acq: 18 Jul 2018 13:03

Tgt Ion: 84 Resp: 269749
Ion Ratio Lower Upper
84 100
49 133.6 94.2 175.0
86 65.9 45.1 83.9





#17

Methyl tert-butyl Ether

Concen: 59.341 ug/L

RT: 5.43 min Scan# 630

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

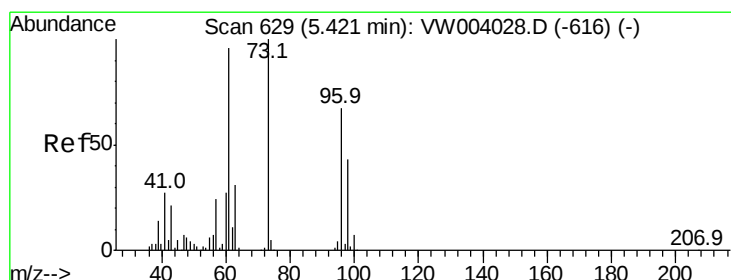
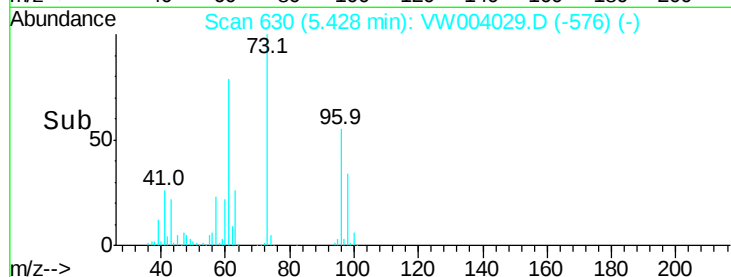
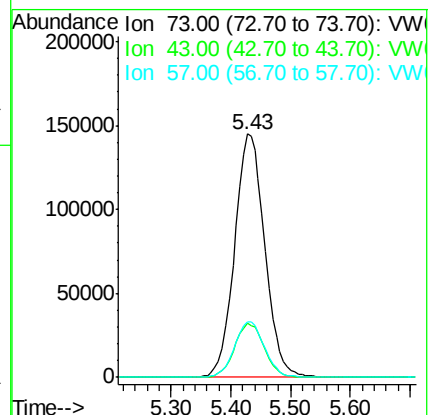
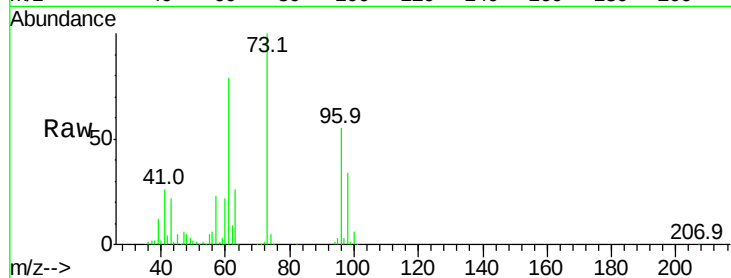
Tgt Ion: 73 Resp: 508441

Ion Ratio Lower Upper

73 100

43 22.0 18.1 27.1

57 22.7 19.0 28.4



#18

trans-1,2-Dichloroethene

Concen: 54.459 ug/L

RT: 5.42 min Scan# 629

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

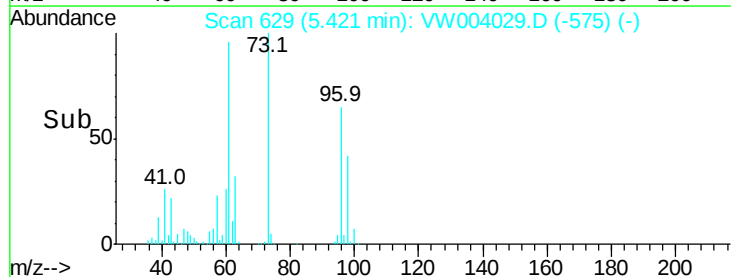
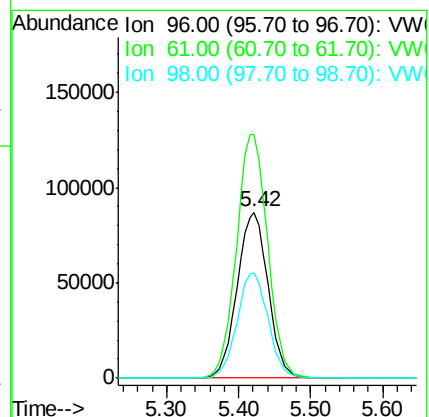
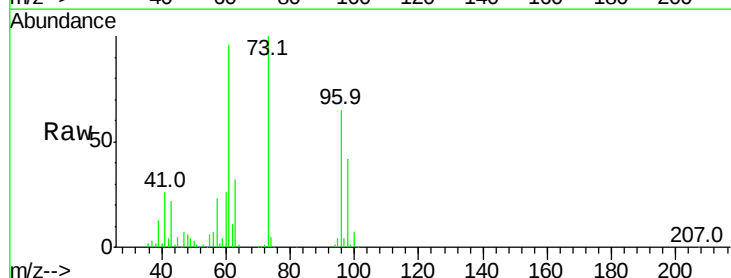
Tgt Ion: 96 Resp: 259113

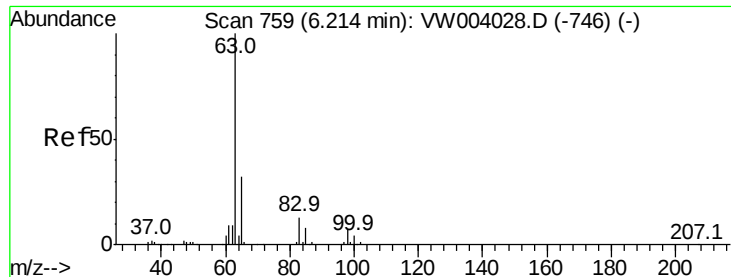
Ion Ratio Lower Upper

96 100

61 146.6 99.8 185.4

98 63.5 44.9 83.3





#19

1,1-Dichloroethane

Concen: 53.965 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

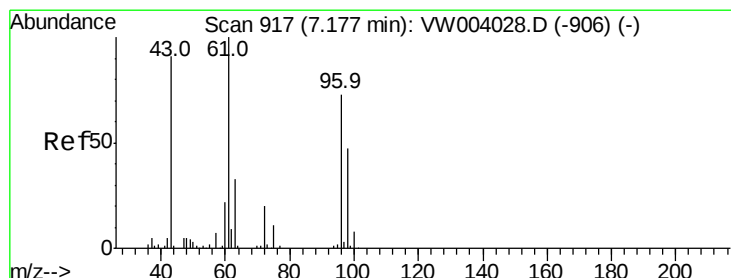
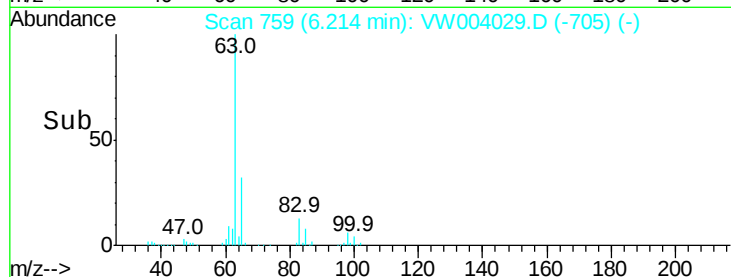
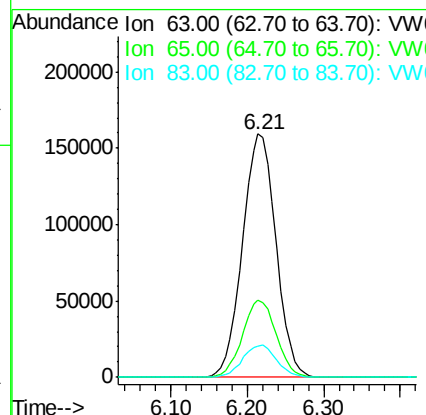
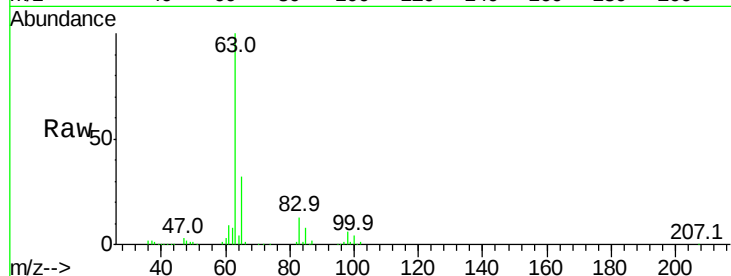
Tgt Ion: 63 Resp: 484152

Ion Ratio Lower Upper

63 100

65 31.6 22.4 41.6

83 12.8 9.2 17.2



#21

2-Butanone

Concen: 136.950 ug/L

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004029.D

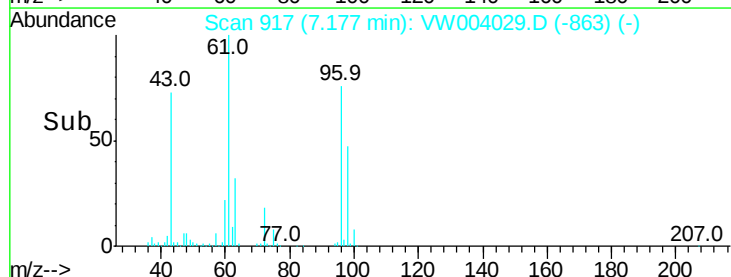
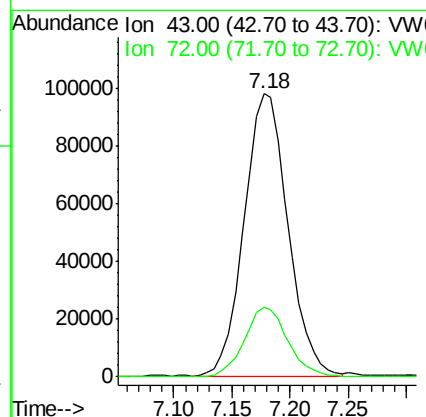
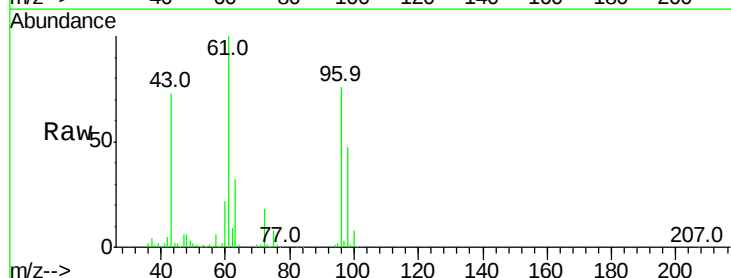
Acq: 18 Jul 2018 13:03

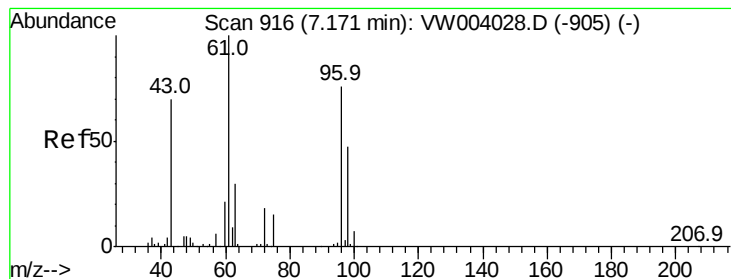
Tgt Ion: 43 Resp: 256791

Ion Ratio Lower Upper

43 100

72 24.6 12.1 36.3



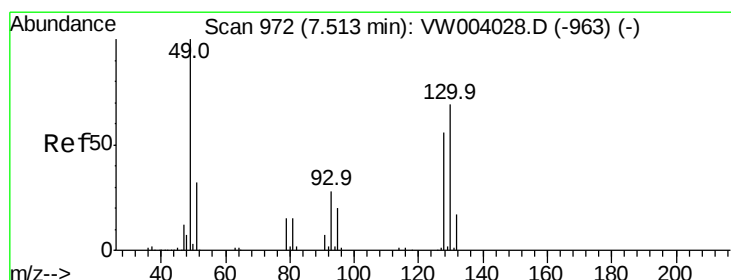
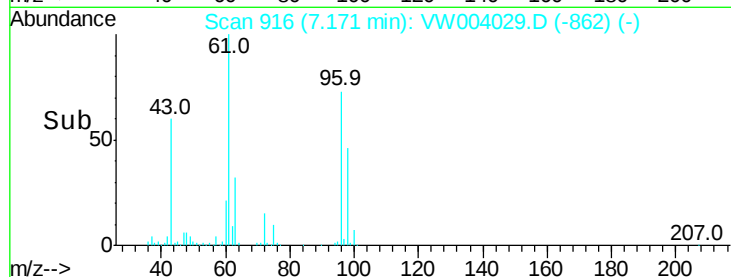
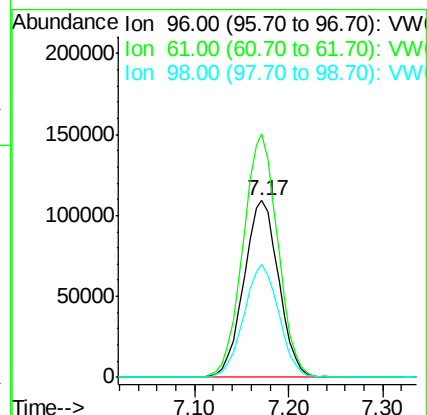
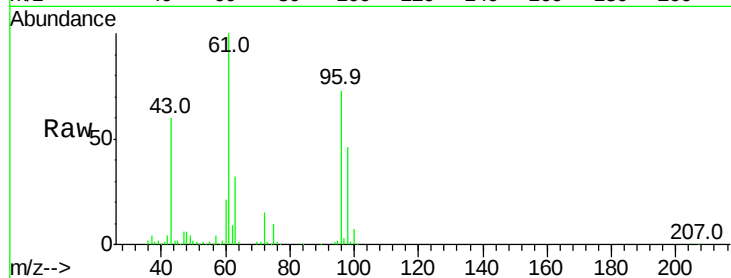


#22

cis-1,2-Dichloroethene
Concen: 55.600 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW004029.D
Acq: 18 Jul 2018 13:03

Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

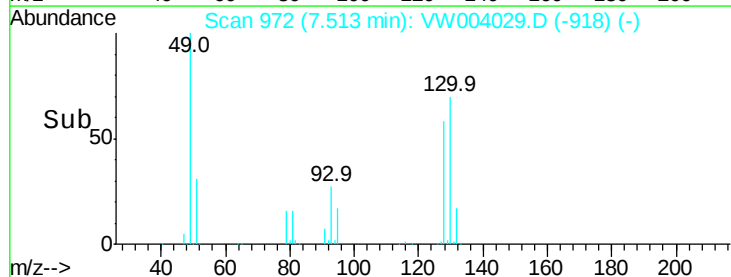
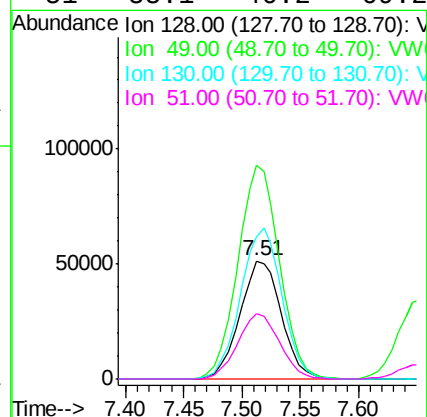
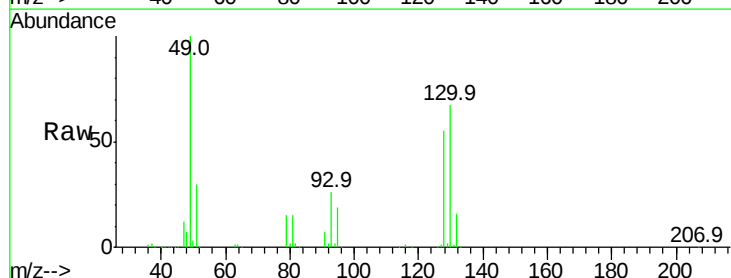
Tgt Ion: 96 Resp: 281648
Ion Ratio Lower Upper
96 100
61 137.6 92.5 171.9
98 63.6 43.0 80.0

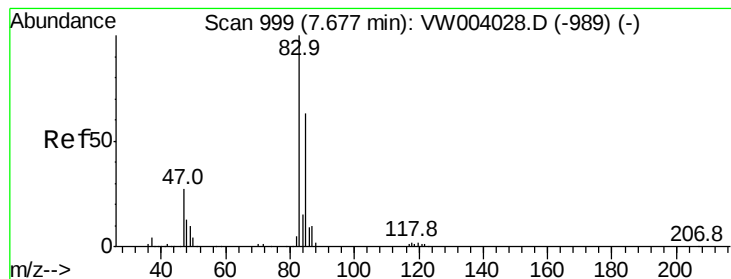


#23

Bromochloromethane
Concen: 54.573 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004029.D
Acq: 18 Jul 2018 13:03

Tgt Ion: 128 Resp: 127089
Ion Ratio Lower Upper
128 100
49 181.1 126.4 234.8
130 120.9 87.8 163.0
51 55.1 46.2 69.2





#25

Chloroform

Concen: 53.177 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

Instrument :

MSVOA_W

ClientSampleId :

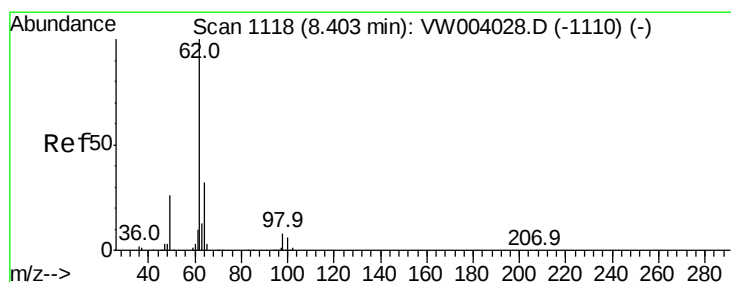
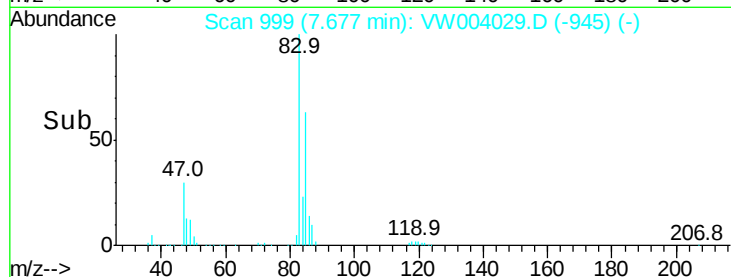
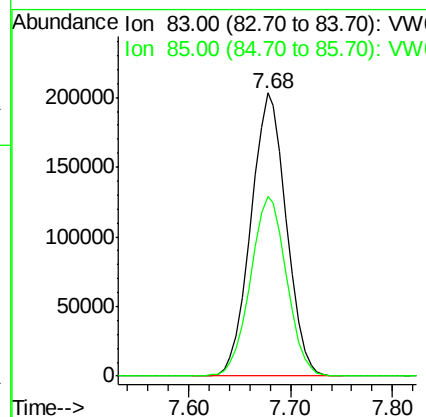
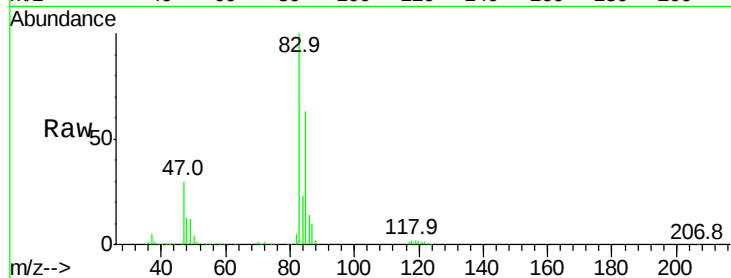
VSTD05084

Tgt Ion: 83 Resp: 490000

Ion Ratio Lower Upper

83 100

85 64.9 45.3 84.1



#27

1,2-Dichloroethane

Concen: 53.754 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004029.D

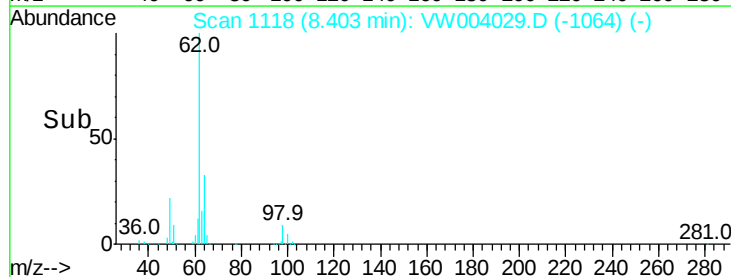
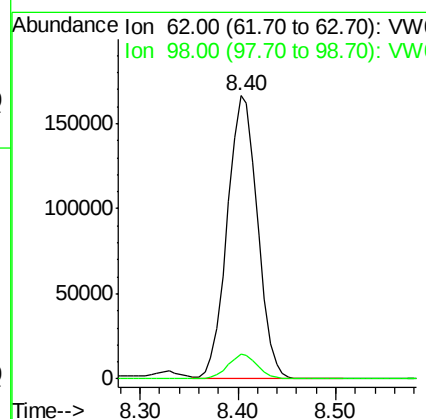
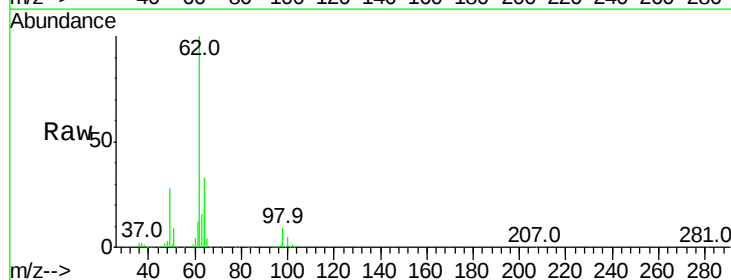
Acq: 18 Jul 2018 13:03

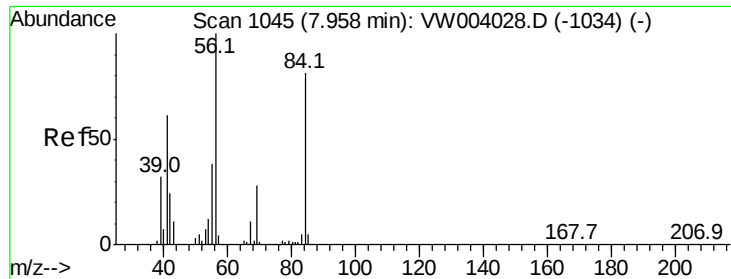
Tgt Ion: 62 Resp: 357028

Ion Ratio Lower Upper

62 100

98 8.9 6.2 9.4

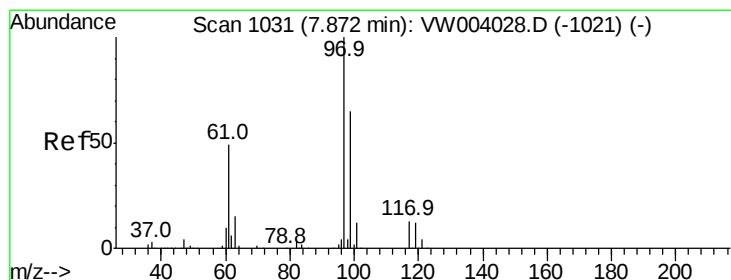
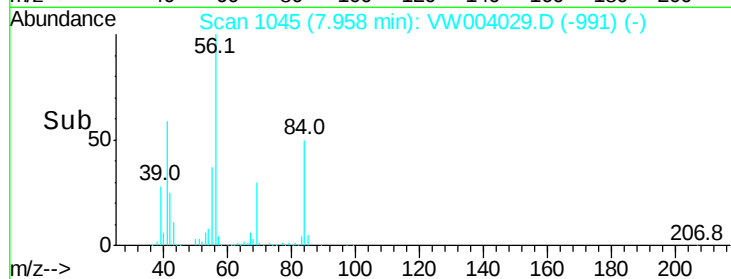
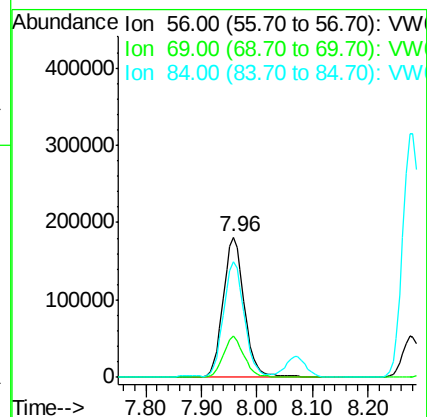
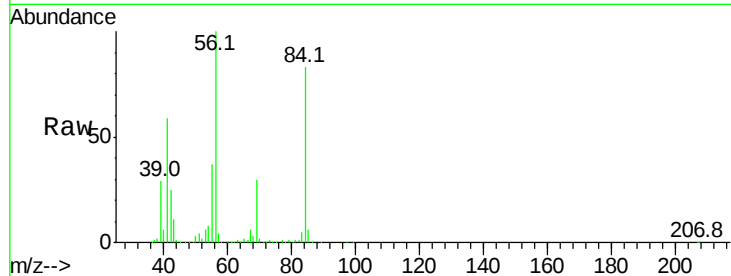




#30
Cyclohexane
Concen: 61.844 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004029.D
Acq: 18 Jul 2018 13:03

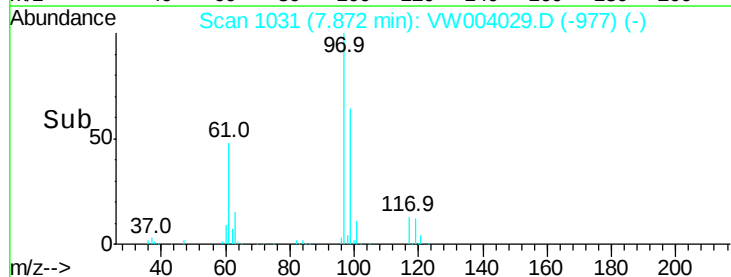
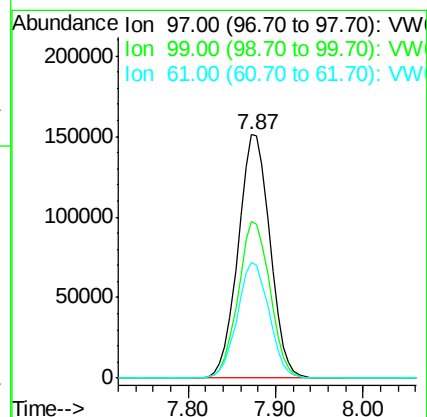
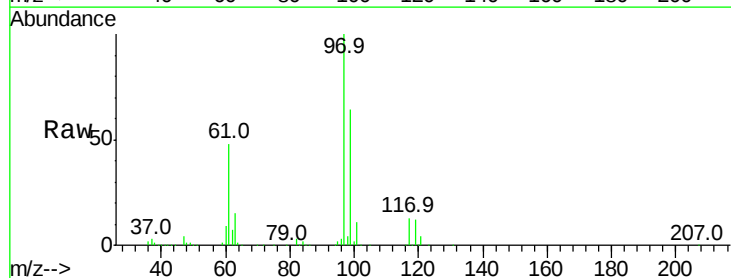
Instrument :
MSVOA_W
ClientSampled :
VSTD05084

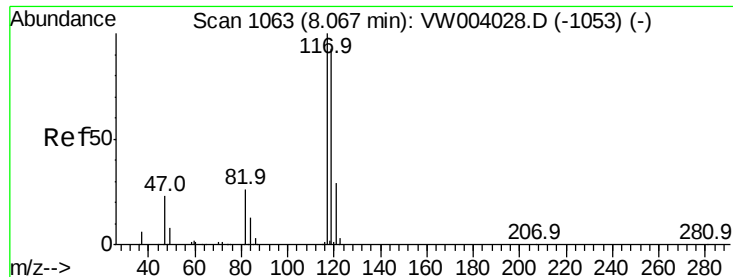
Tgt Ion: 56 Resp: 480684
Ion Ratio Lower Upper
56 100
69 28.2 22.8 34.2
84 80.4 64.6 96.8



#31
1,1,1-Trichloroethane
Concen: 51.611 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004029.D
Acq: 18 Jul 2018 13:03

Tgt Ion: 97 Resp: 383051
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.6
61 47.3 38.6 57.8





#32

Carbon tetrachloride

Concen: 54.032 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

Instrument :

MSVOA_W

ClientSampleId :

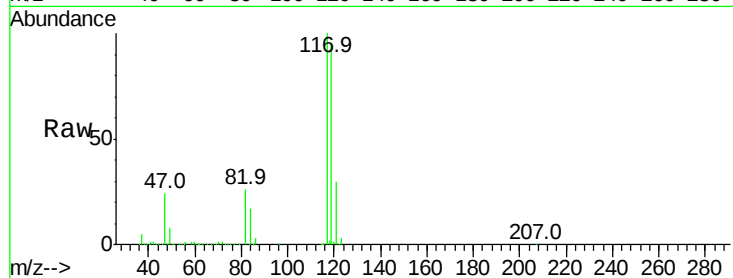
VSTD05084

Tgt Ion:117 Resp: 379527

Ion Ratio Lower Upper

117 100

119 95.7 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

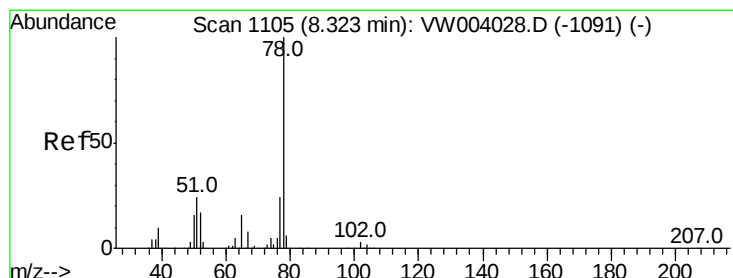
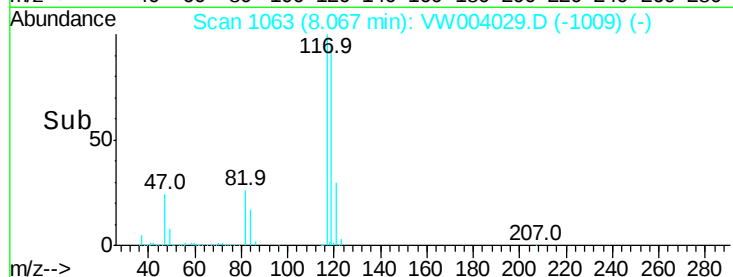
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 54.937 ug/L

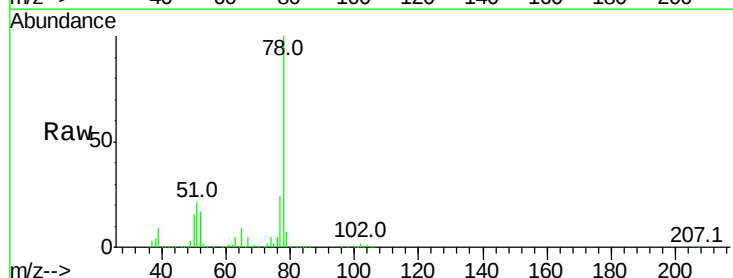
RT: 8.33 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

Tgt Ion: 78 Resp: 1084186



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

500000

400000

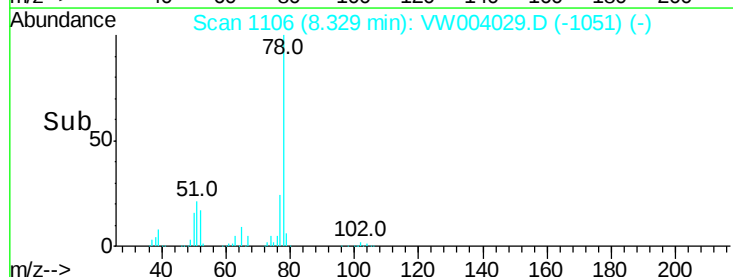
300000

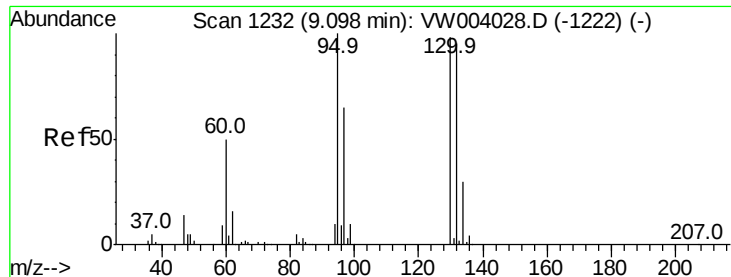
200000

100000

0

Time-->

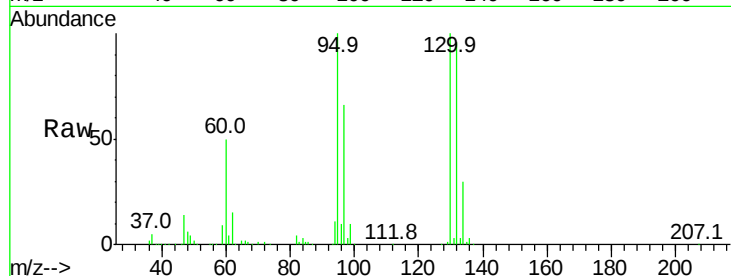




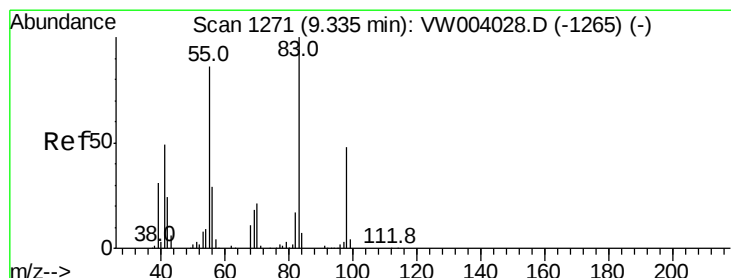
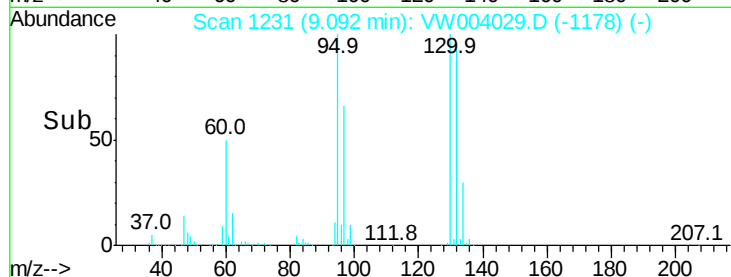
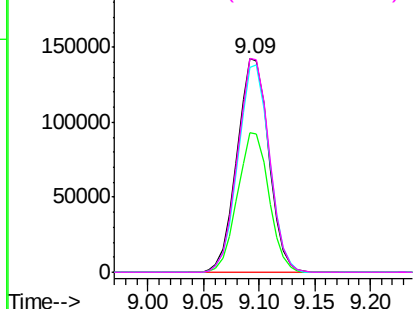
#35
 Trichloroethene
 Concen: 53.344 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VW004029.D
 Acq: 18 Jul 2018 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

Tgt Ion: 95 Resp: 281956
 Ion Ratio Lower Upper
 95 100
 97 64.8 44.7 83.1
 132 96.1 66.1 122.7
 130 99.6 68.9 127.9

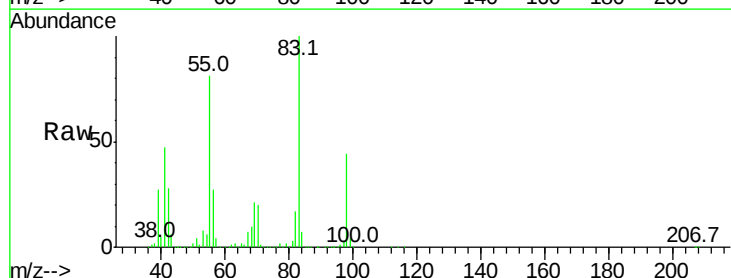


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

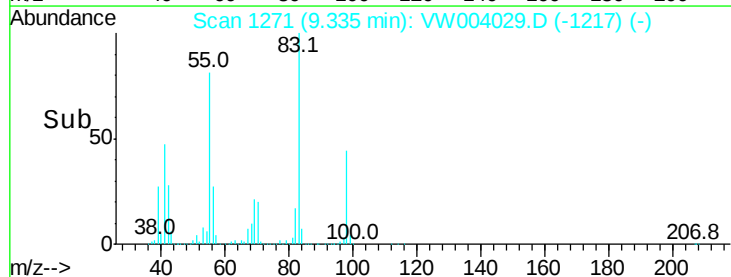
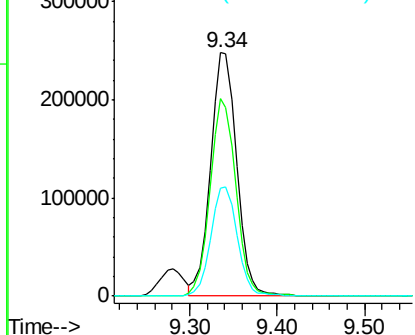


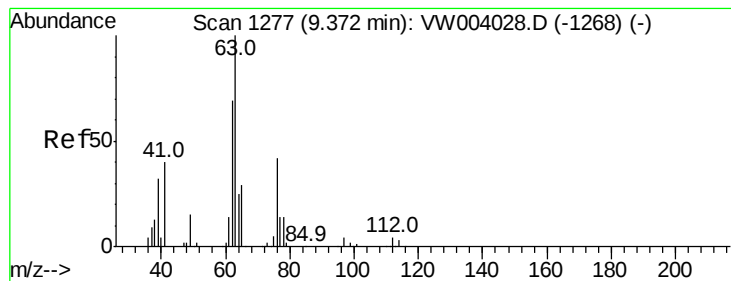
#36
 Methylcyclohexane
 Concen: 57.964 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004029.D
 Acq: 18 Jul 2018 13:03

Tgt Ion: 83 Resp: 516485
 Ion Ratio Lower Upper
 83 100
 55 79.8 65.8 98.6
 98 45.1 37.0 55.6



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: 54.875 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

Instrument :

MSVOA_W

ClientSampleId :

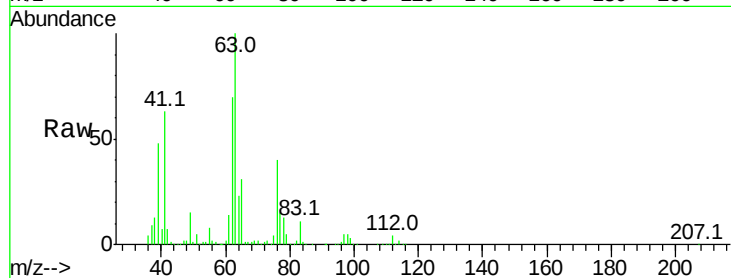
VSTD05084

Tgt Ion: 63 Resp: 288134

Ion Ratio Lower Upper

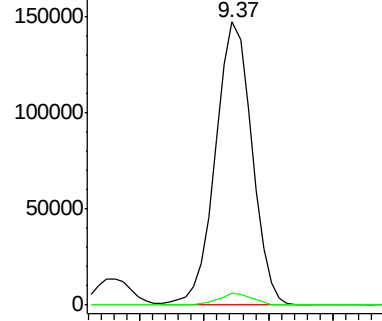
63 100

112 3.9 3.0 4.4

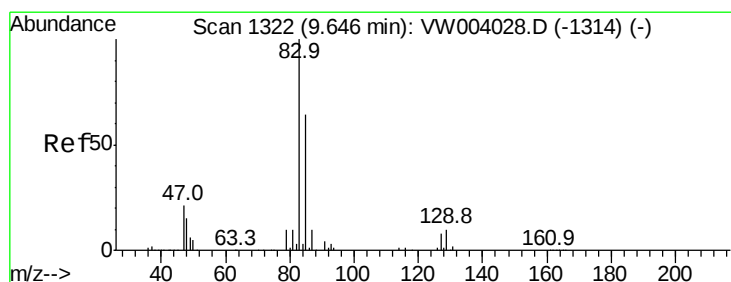
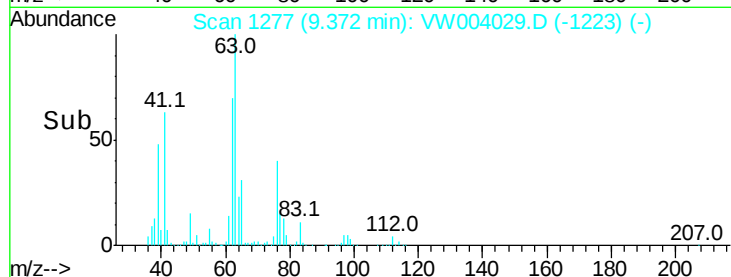


Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



Time-->



#41

Bromodichloromethane

Concen: 54.234 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

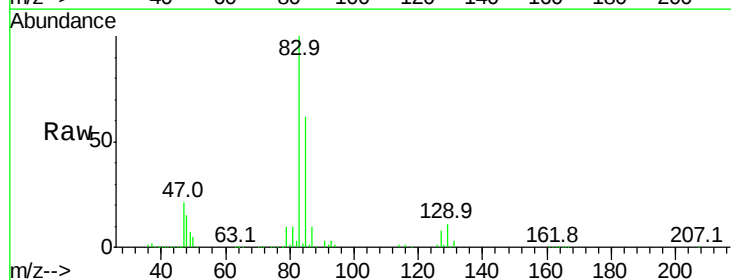
Tgt Ion: 83 Resp: 360089

Ion Ratio Lower Upper

83 100

85 61.6 44.7 82.9

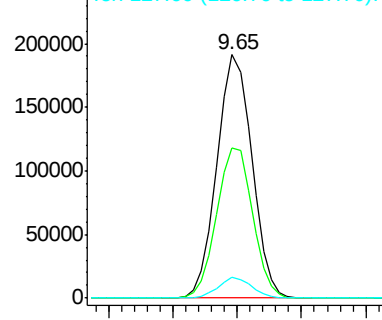
127 8.3 6.7 10.1



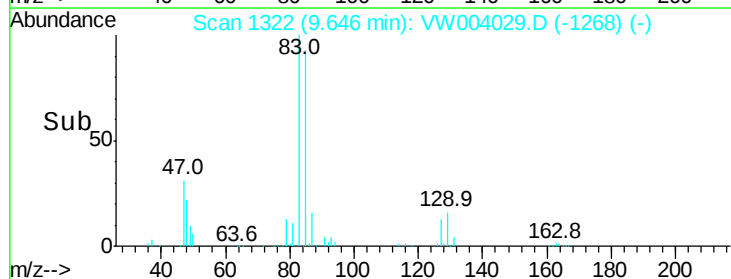
Abundance Ion 83.00 (82.70 to 83.70): VW

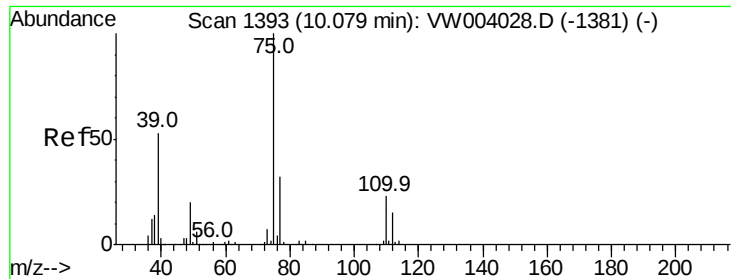
Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V



Time-->

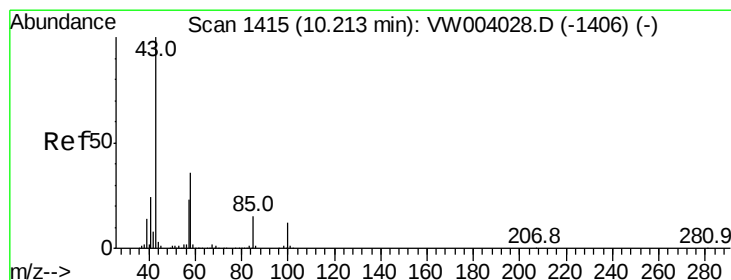
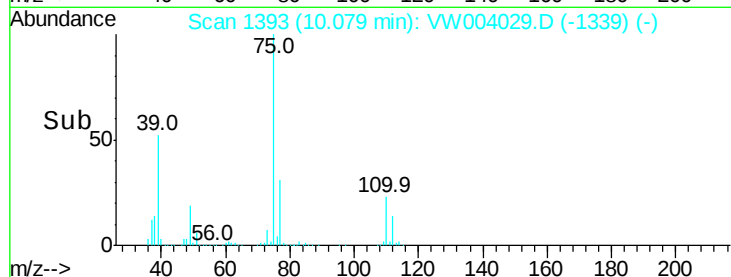
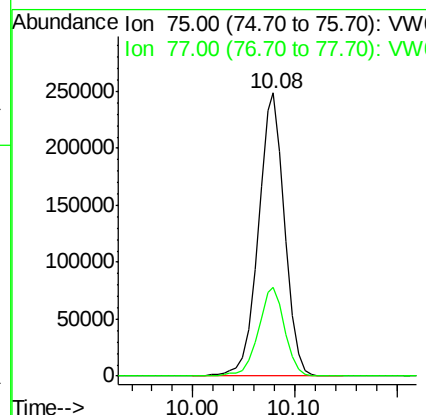
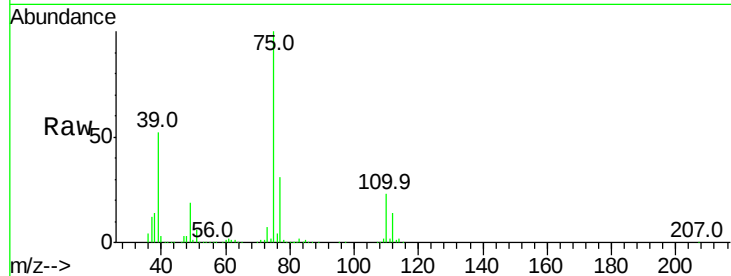




#42
 cis-1,3-Dichloropropene
 Concen: 57.124 ug/L
 RT: 10.08 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VW004029.D
 Acq: 18 Jul 2018 13:03

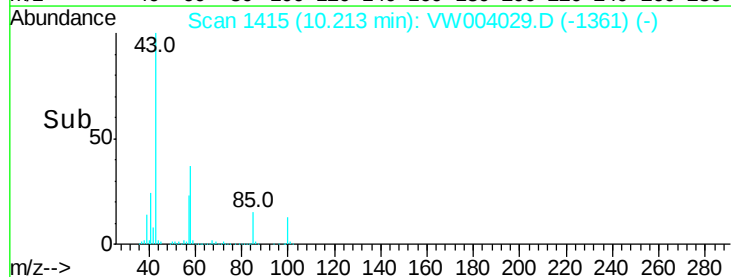
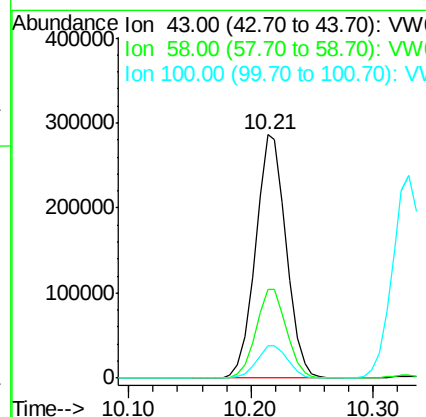
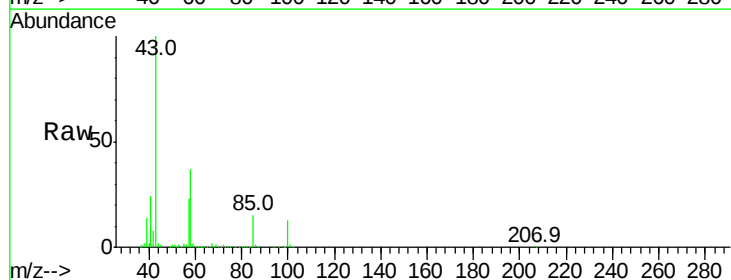
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05084

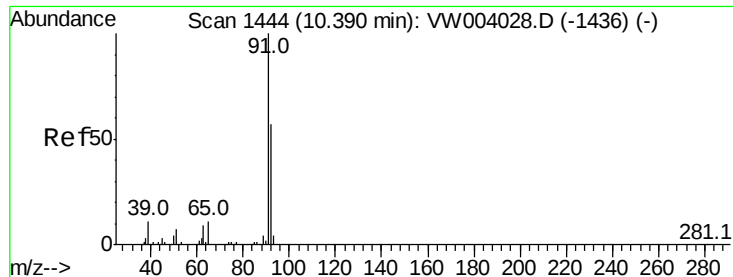
Tgt Ion: 75 Resp: 444041
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 136.314 ug/L
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW004029.D
 Acq: 18 Jul 2018 13:03

Tgt Ion: 43 Resp: 497842
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.4 44.2
 100 13.5 10.8 16.2





#44

Toluene

Concen: 55.077 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

Instrument :

MSVOA_W

ClientSampleId :

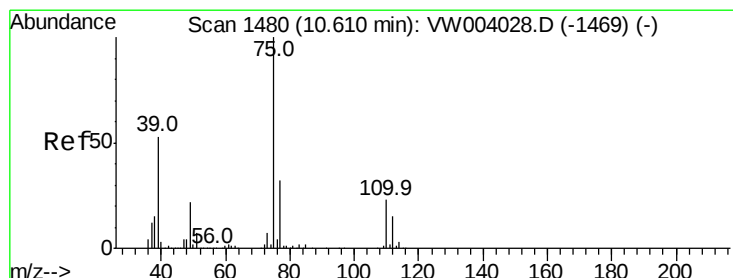
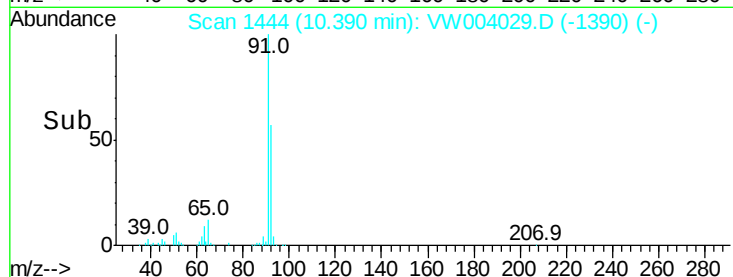
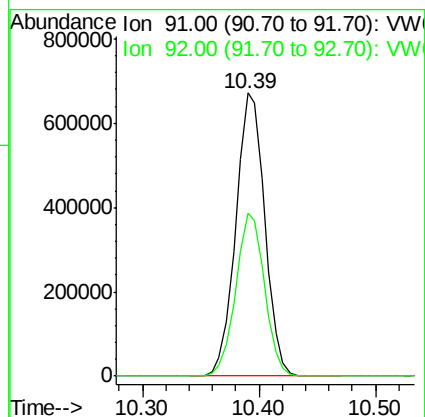
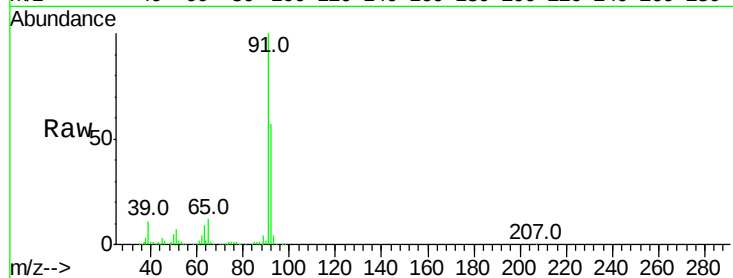
VSTD05084

Tgt Ion: 91 Resp: 1162148

Ion Ratio Lower Upper

91 100

92 57.4 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 56.729 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004029.D

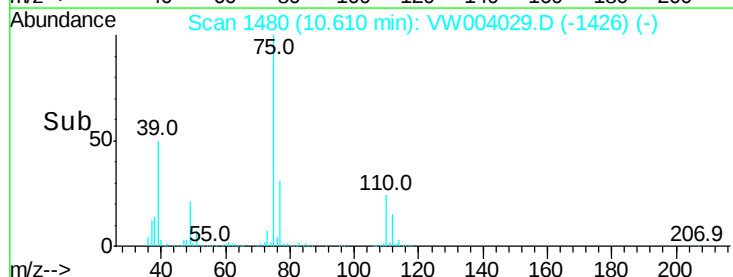
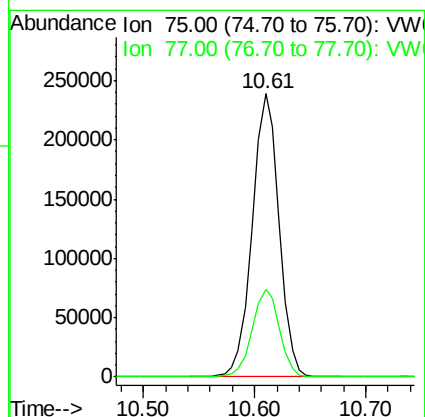
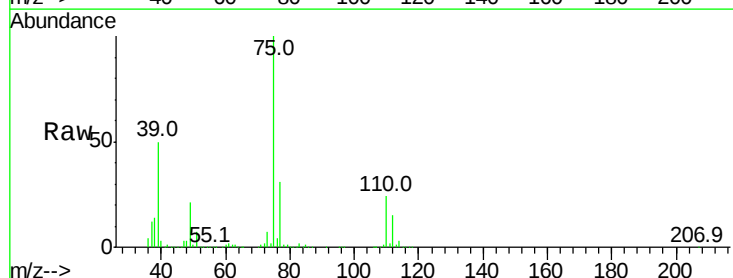
Acq: 18 Jul 2018 13:03

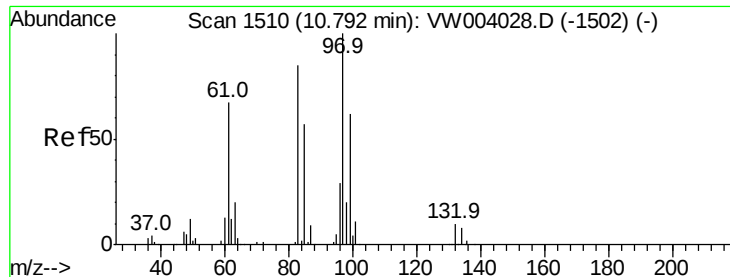
Tgt Ion: 75 Resp: 400715

Ion Ratio Lower Upper

75 100

77 30.8 22.5 41.7

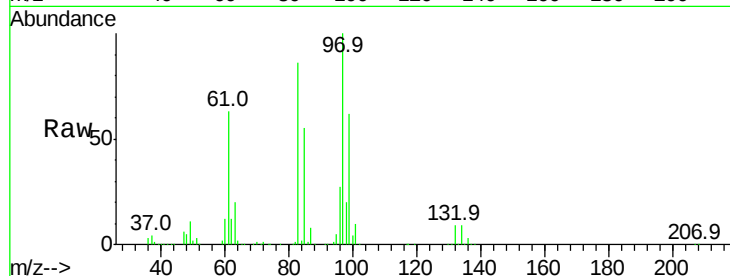




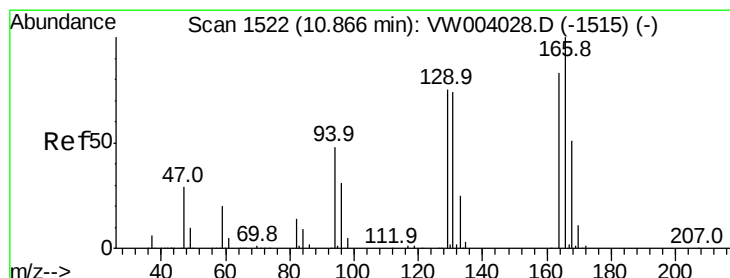
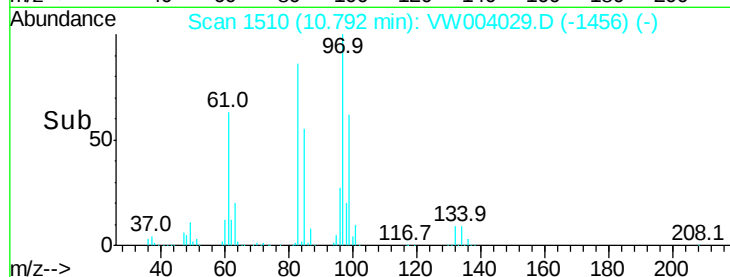
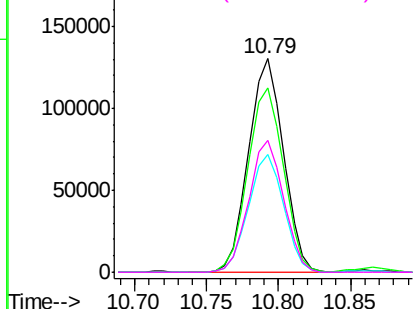
#46
 1,1,2-Trichloroethane
 Concen: 56.187 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004029.D
 Acq: 18 Jul 2018 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

Tgt Ion: 97 Resp: 219053
 Ion Ratio Lower Upper
 97 100
 83 86.3 59.4 110.4
 85 55.1 40.0 74.2
 99 61.6 43.3 80.5



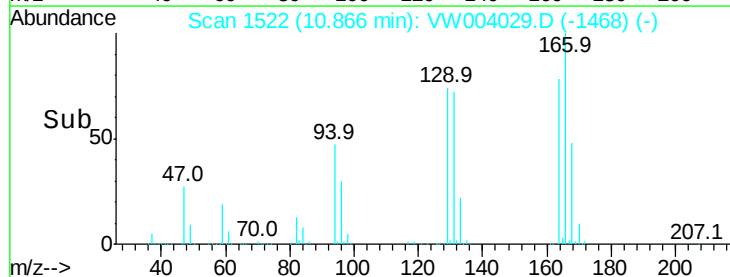
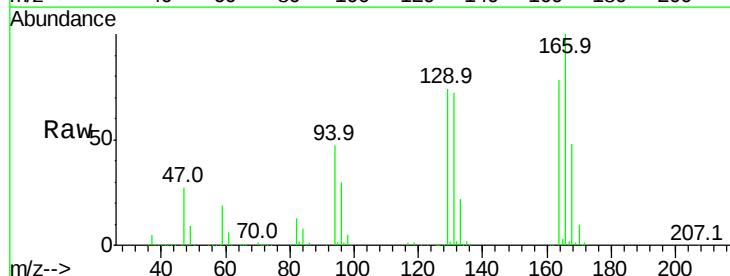
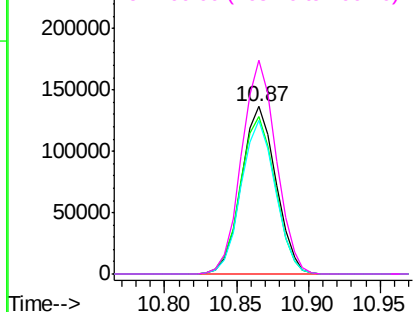
Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

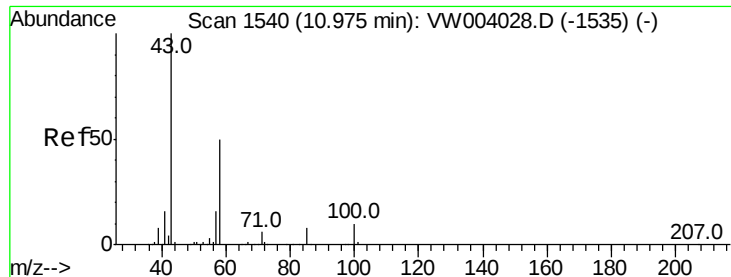


#47
 Tetrachloroethene
 Concen: 52.759 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004029.D
 Acq: 18 Jul 2018 13:03

Tgt Ion: 164 Resp: 226880
 Ion Ratio Lower Upper
 164 100
 129 94.1 63.1 117.3
 131 91.5 62.8 116.6
 166 127.6 84.6 157.2

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

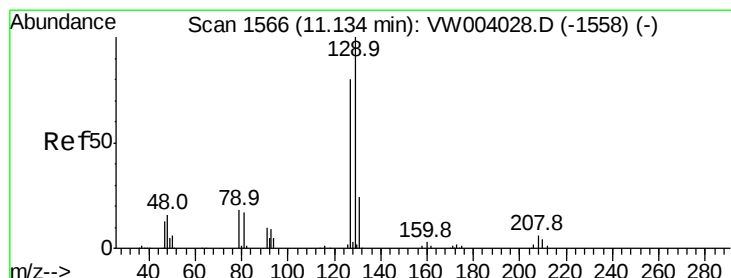
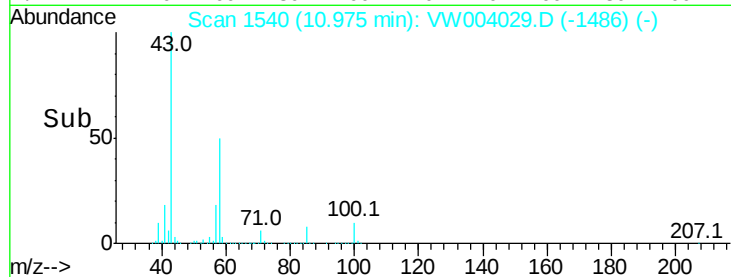
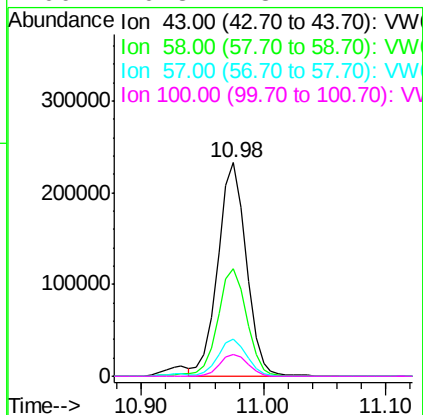
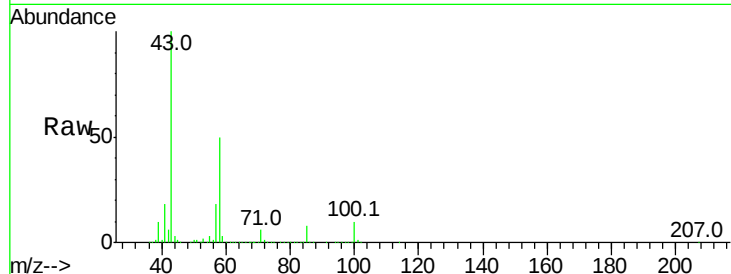




#49
2-Hexanone
Concen: 135.174 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004029.D
Acq: 18 Jul 2018 13:03

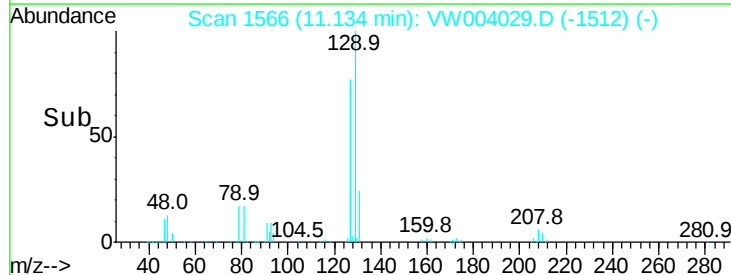
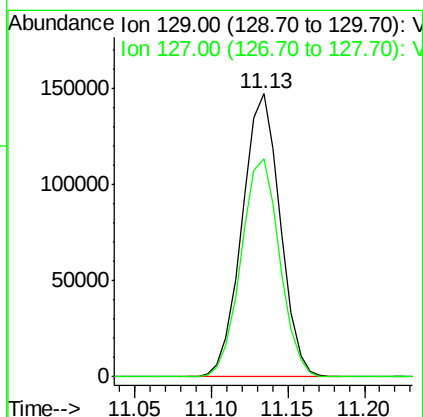
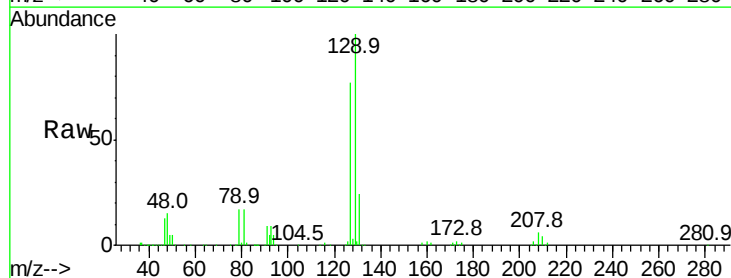
Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

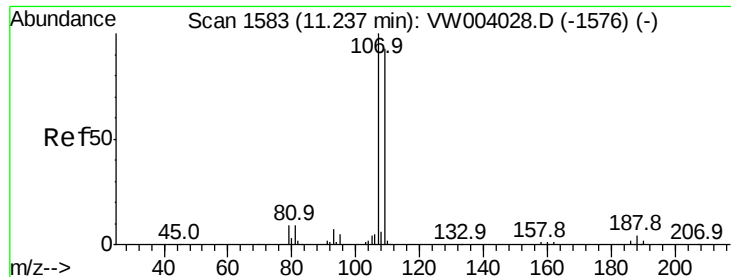
Tgt Ion: 43 Resp: 373817
Ion Ratio Lower Upper
43 100
58 50.9 40.4 60.6
57 17.7 14.0 21.0
100 10.3 8.2 12.2



#50
Dibromochloromethane
Concen: 54.775 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004029.D
Acq: 18 Jul 2018 13:03

Tgt Ion: 129 Resp: 254476
Ion Ratio Lower Upper
129 100
127 77.0 56.1 104.3





#51

1,2-Dibromoethane

Concen: 56.640 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

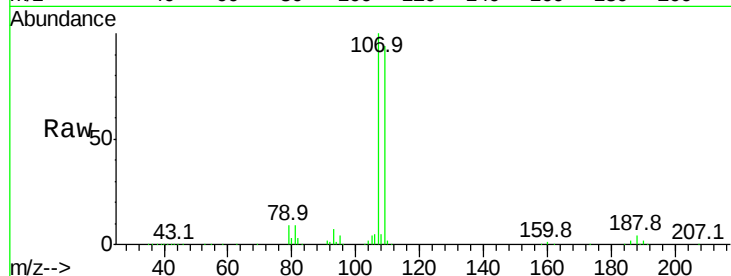
Tgt Ion:107 Resp: 215122

Ion Ratio Lower Upper

107 100

109 94.0 65.2 121.0

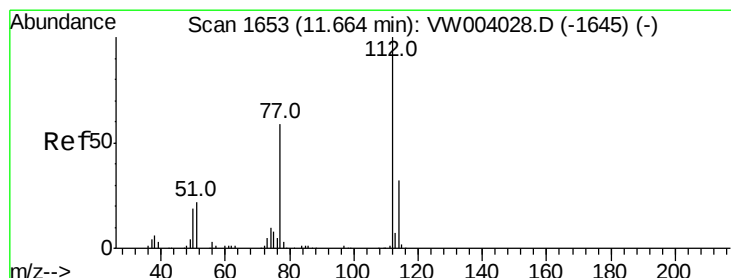
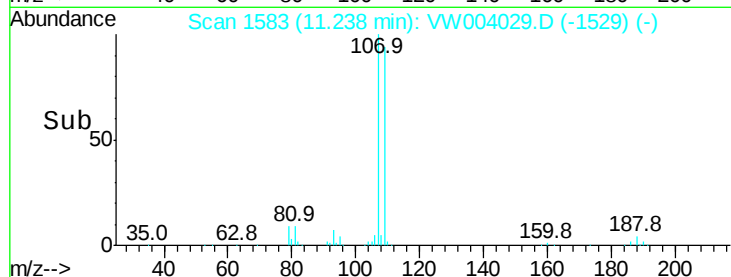
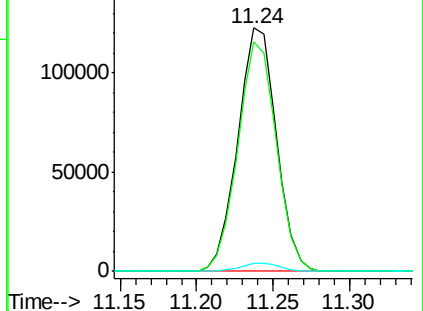
188 3.6 2.9 4.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 52.252 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

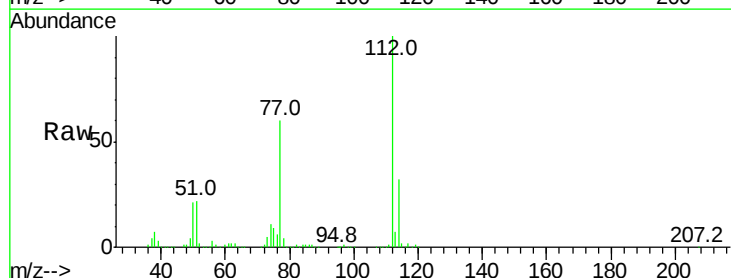
Tgt Ion:112 Resp: 719219

Ion Ratio Lower Upper

112 100

77 60.5 47.7 71.5

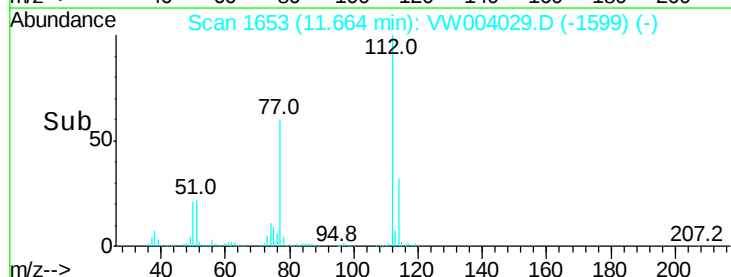
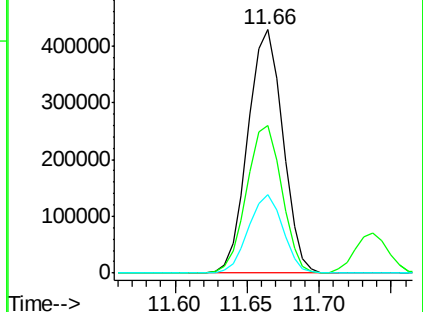
114 32.4 22.2 41.2

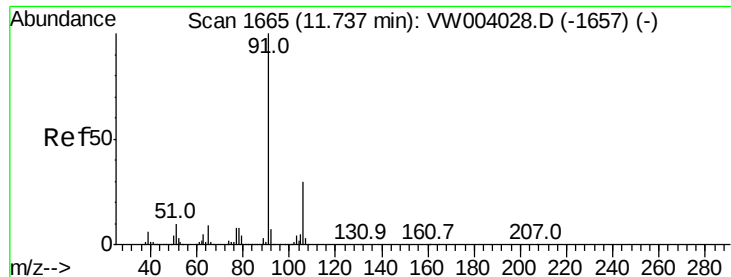


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 53.238 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

Instrument :

MSVOA_W

ClientSampleId :

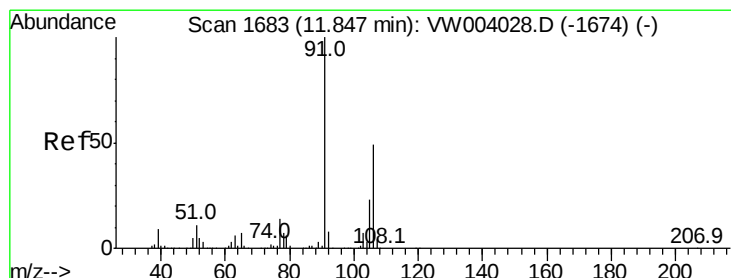
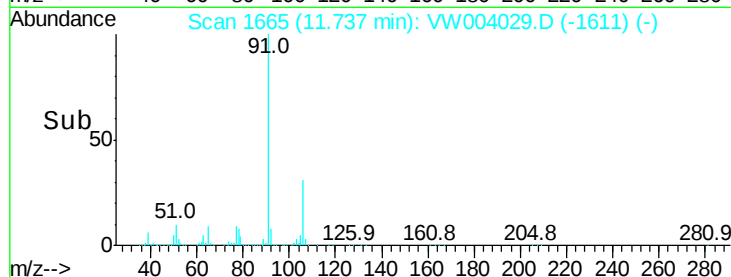
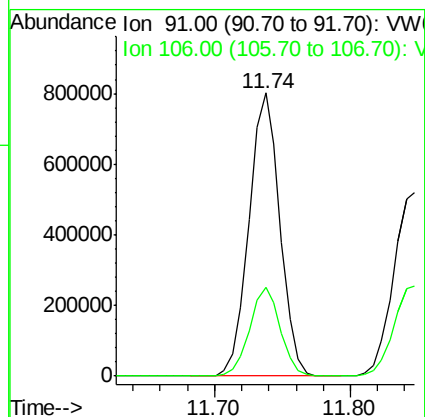
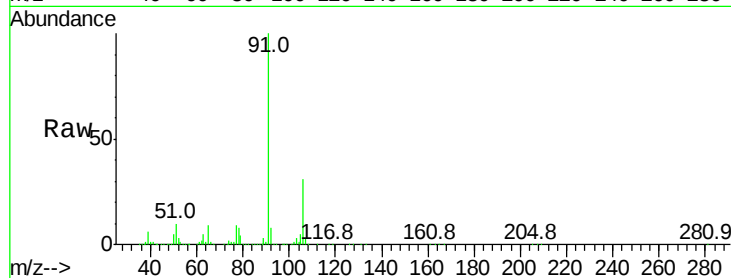
VSTD05084

Tgt Ion: 91 Resp: 1272618

Ion Ratio Lower Upper

91 100

106 31.3 21.3 39.5



#54

m,p-Xylene

Concen: 54.412 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004029.D

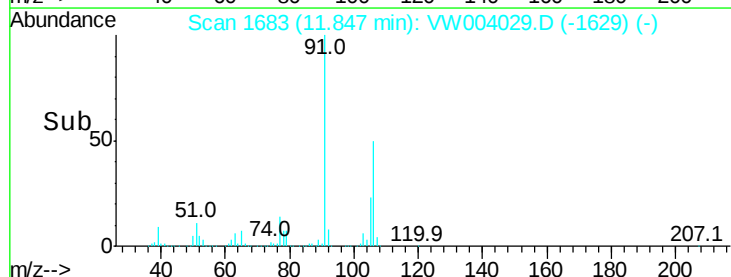
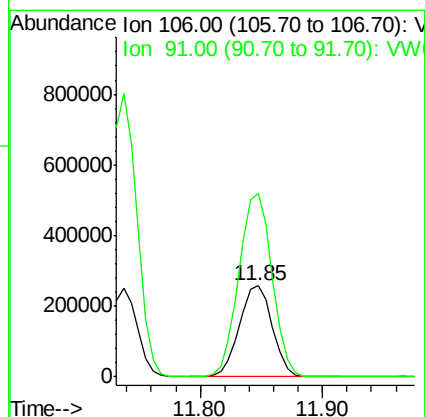
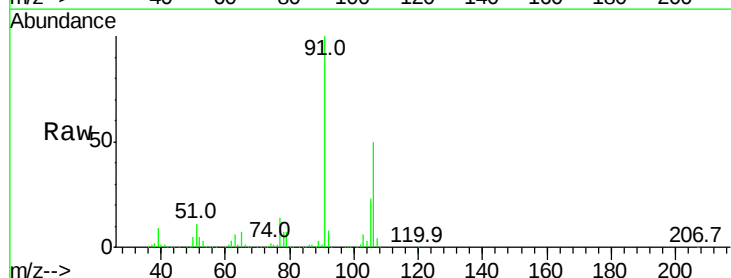
Acq: 18 Jul 2018 13:03

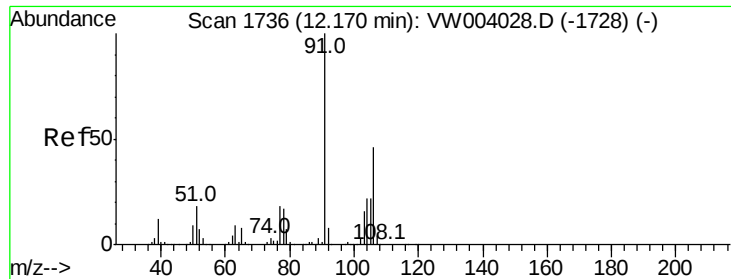
Tgt Ion: 106 Resp: 478273

Ion Ratio Lower Upper

106 100

91 201.8 142.1 263.9

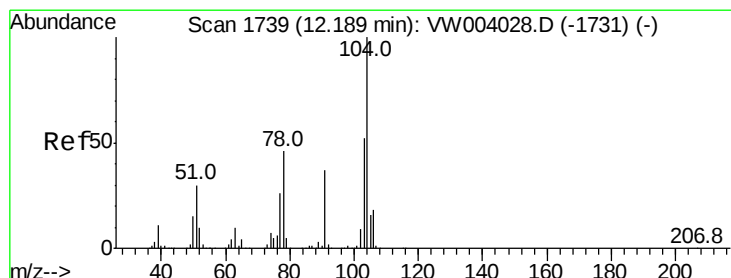
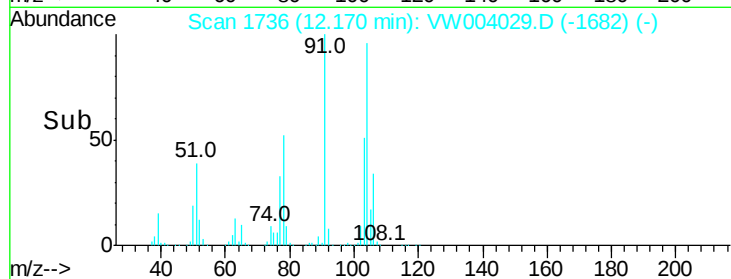
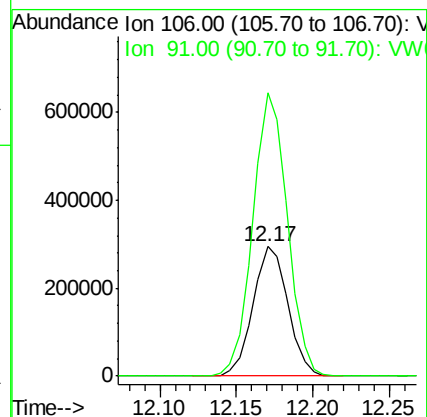
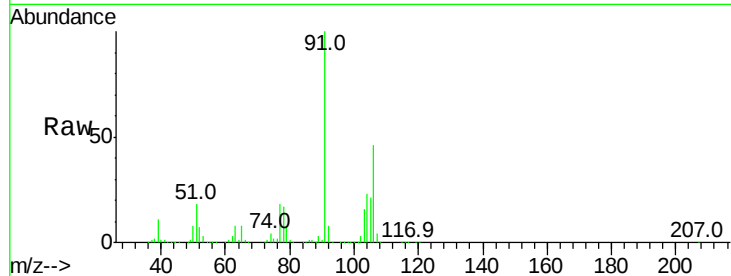




#55
o-xylene
Concen: 56.425 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004029.D
Acq: 18 Jul 2018 13:03

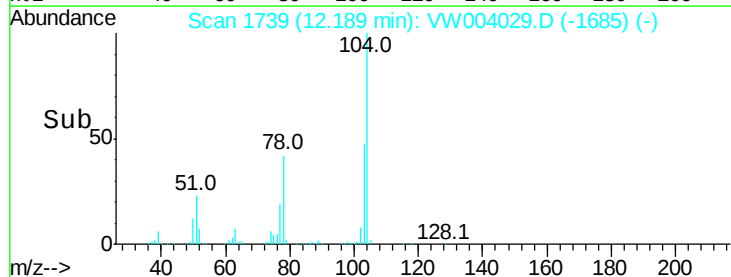
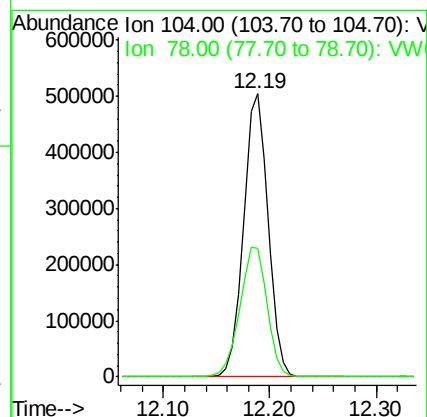
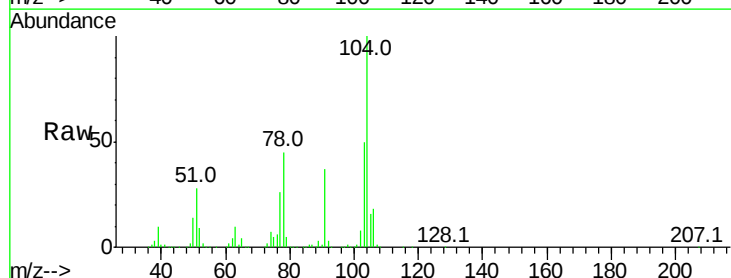
Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

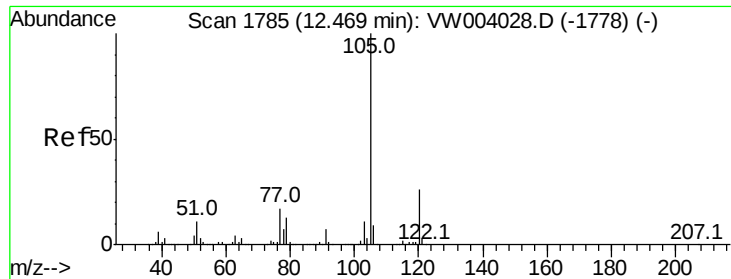
Tgt Ion:106 Resp: 467150
Ion Ratio Lower Upper
106 100
91 218.9 151.3 280.9



#56
Styrene
Concen: 56.890 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004029.D
Acq: 18 Jul 2018 13:03

Tgt Ion:104 Resp: 817079
Ion Ratio Lower Upper
104 100
78 45.4 32.2 59.8





#57

Isopropylbenzene

Concen: 55.747 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

Instrument :

MSVOA_W

ClientSampled :

VSTD05084

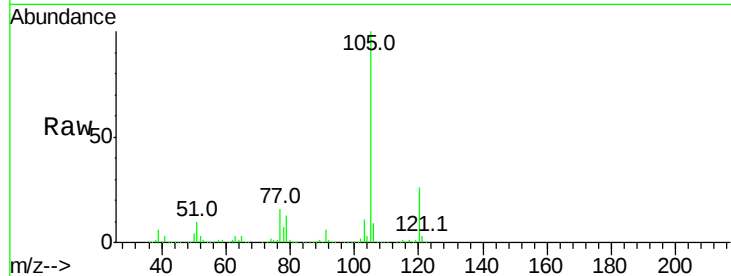
Tgt Ion:105 Resp: 1282223

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

77 16.1 13.1 19.7

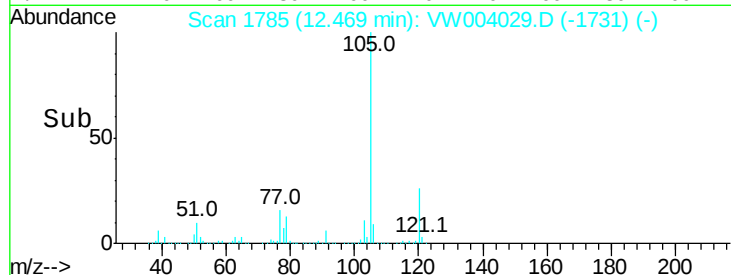


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

Time-->



12.47

800000

600000

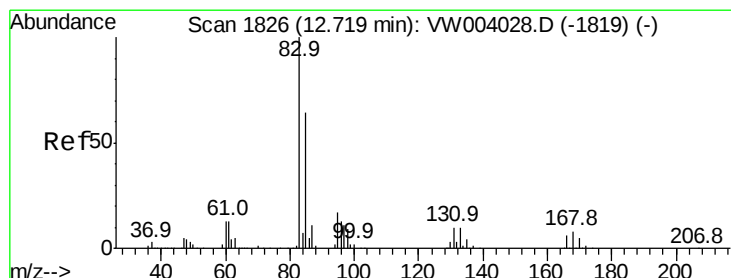
400000

200000

0

12.40

12.50



#58

1,1,2,2-Tetrachloroethane

Concen: 58.092 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

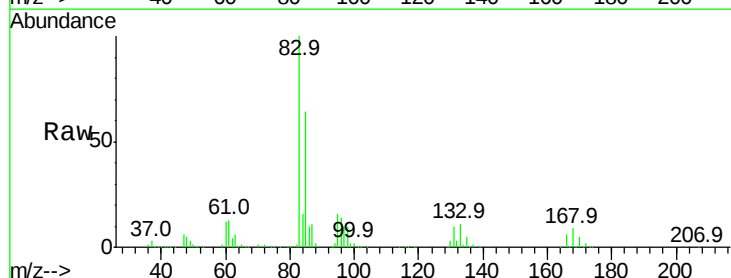
Tgt Ion: 83 Resp: 297341

Ion Ratio Lower Upper

83 100

85 64.3 44.7 83.1

131 9.7 7.8 11.6

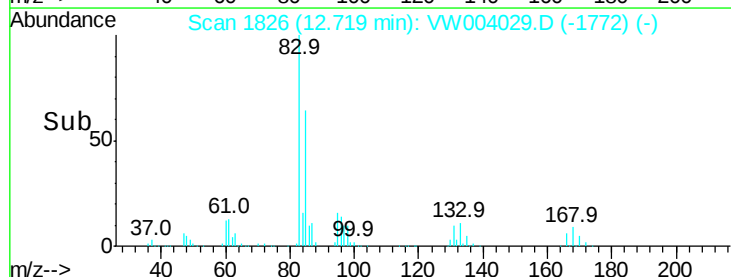


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

Time-->



12.72

250000

200000

150000

100000

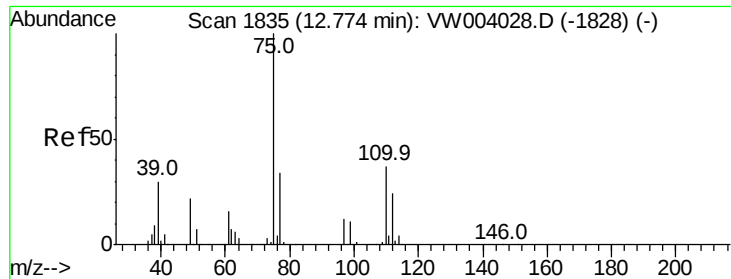
50000

0

12.65

12.70

12.75



#59

1,2,3-Trichloropropane

Concen: 57.669 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

Instrument :

MSVOA_W

ClientSampleId :

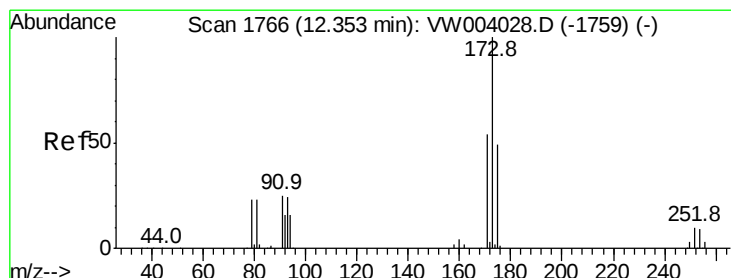
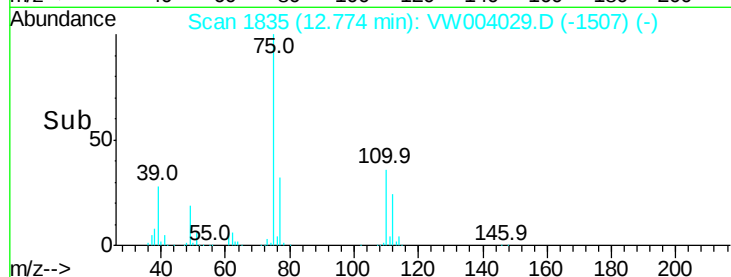
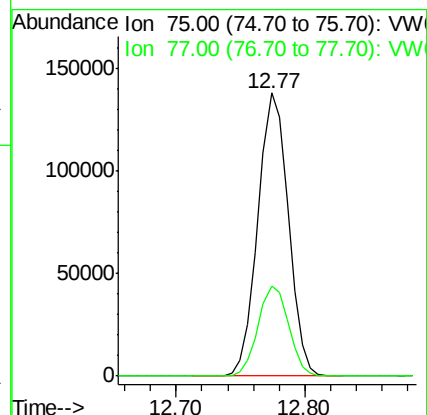
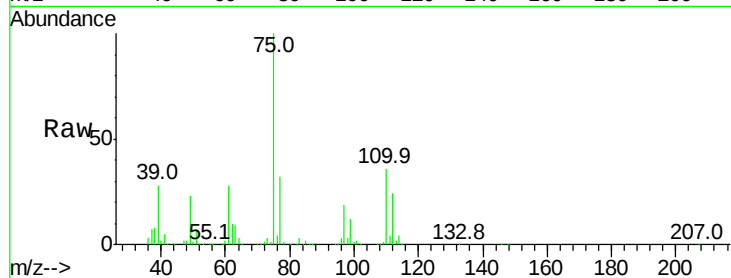
VSTD05084

Tgt Ion: 75 Resp: 225426

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0



#62

Bromoform

Concen: 55.990 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

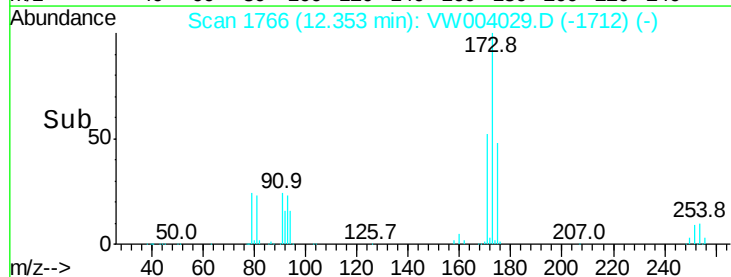
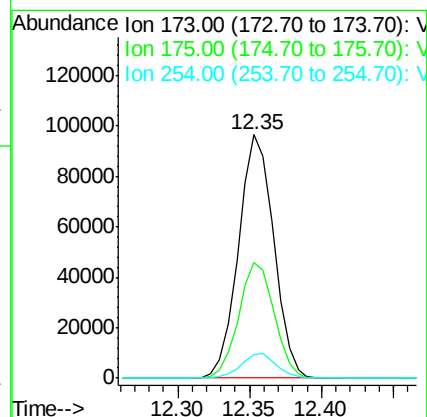
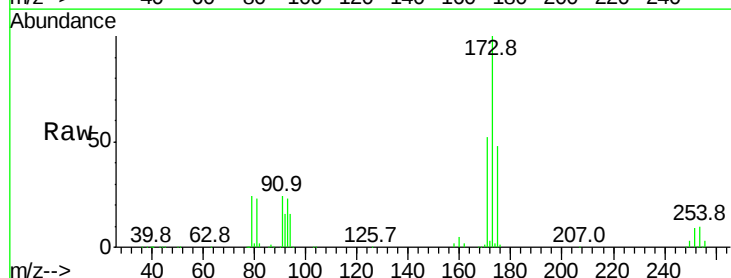
Tgt Ion: 173 Resp: 164442

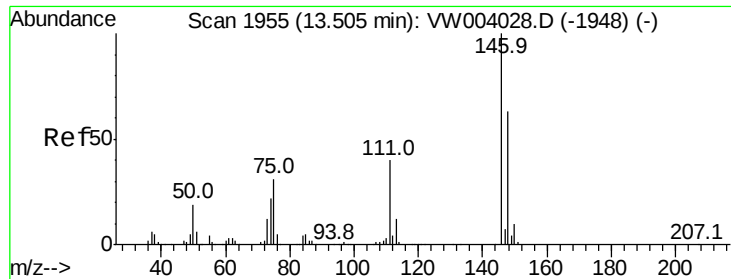
Ion Ratio Lower Upper

173 100

175 47.7 39.4 59.0

254 9.9 7.4 11.2

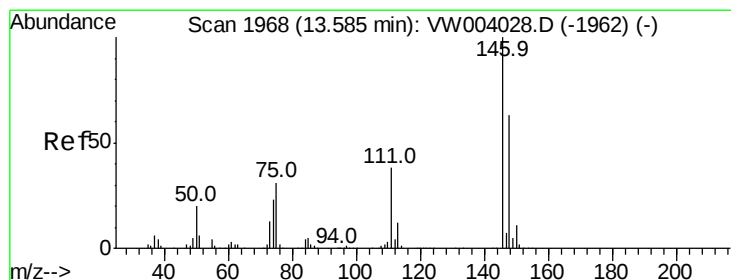
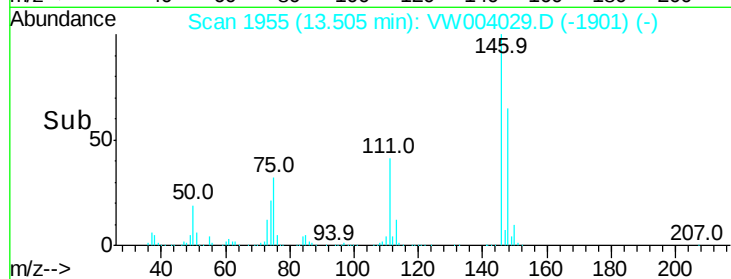
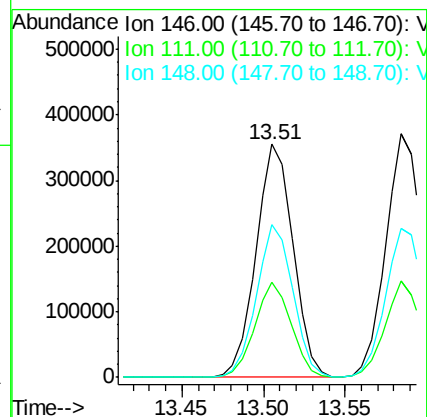
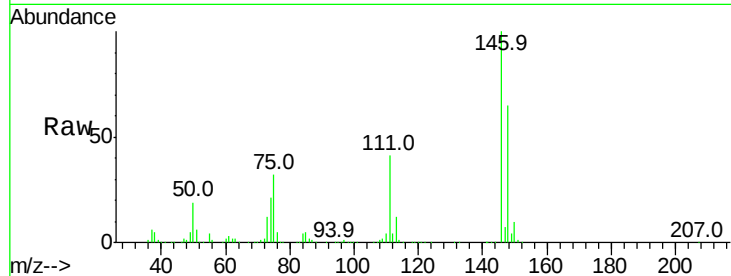




#63
 1,3-Dichlorobenzene
 Concen: 51.623 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004029.D
 Acq: 18 Jul 2018 13:03

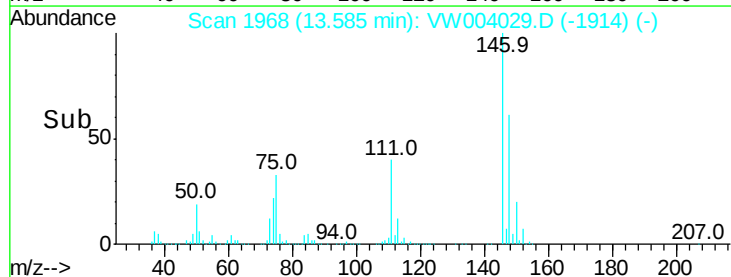
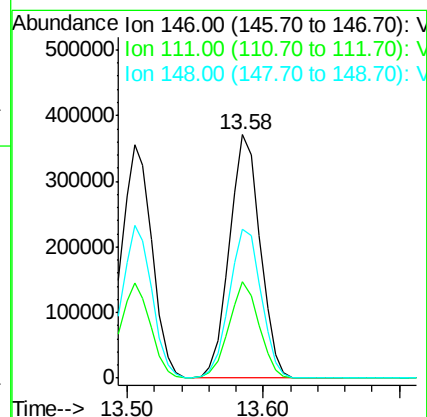
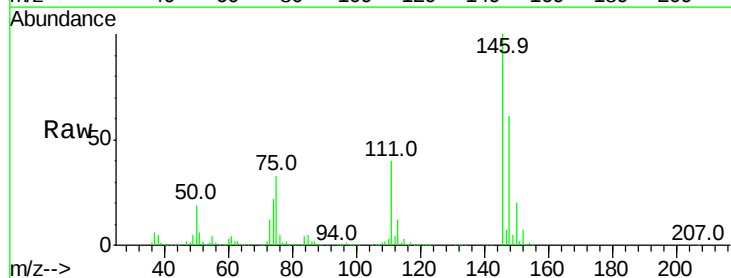
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

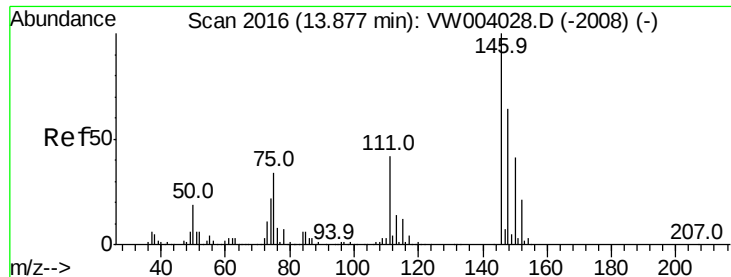
Tgt Ion:146 Resp: 561238
 Ion Ratio Lower Upper
 146 100
 111 41.0 27.9 51.7
 148 65.4 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 50.639 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004029.D
 Acq: 18 Jul 2018 13:03

Tgt Ion:146 Resp: 582646
 Ion Ratio Lower Upper
 146 100
 111 39.5 26.8 49.8
 148 61.3 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 51.185 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

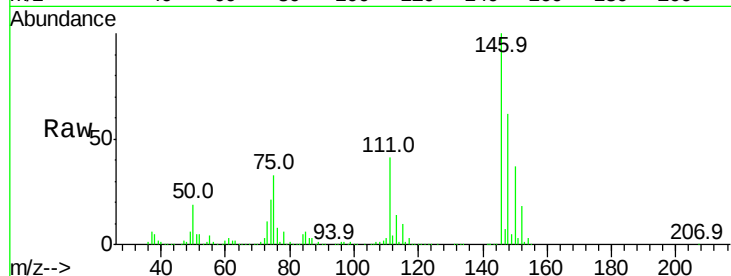
Tgt Ion:146 Resp: 536737

Ion Ratio Lower Upper

146 100

111 40.8 33.2 49.8

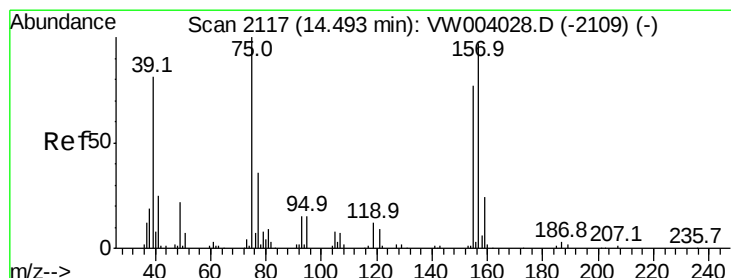
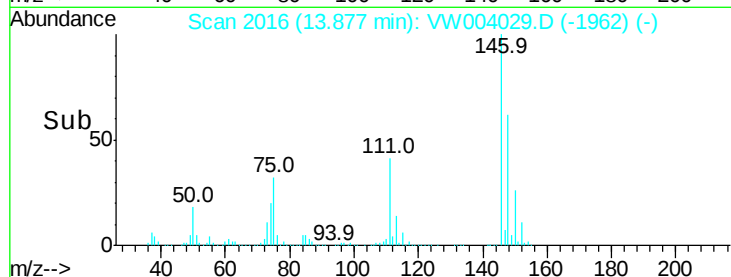
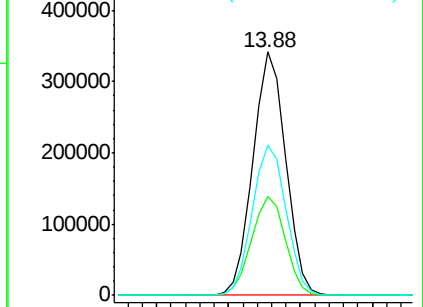
148 61.8 51.0 76.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 58.021 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

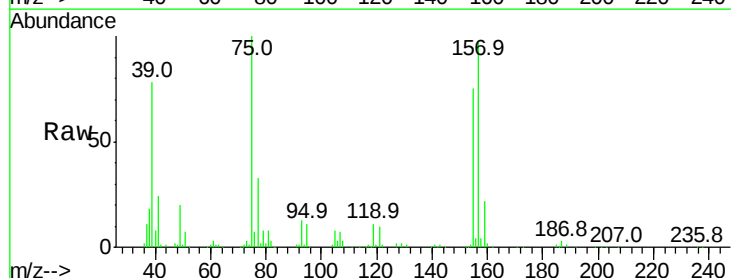
Tgt Ion: 75 Resp: 53843

Ion Ratio Lower Upper

75 100

157 96.9 77.9 116.9

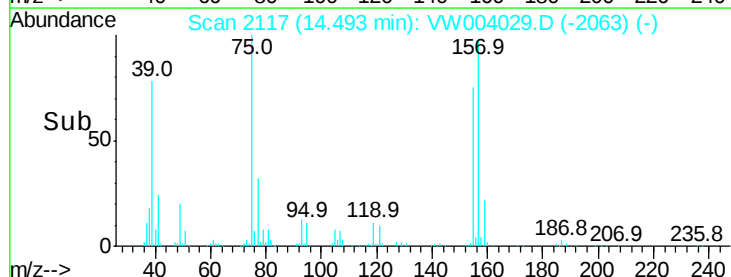
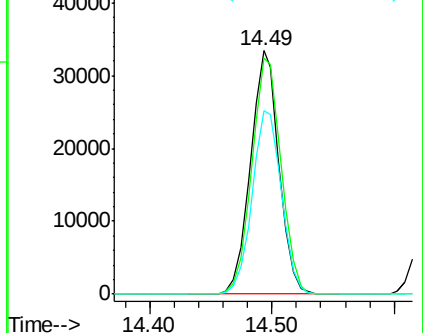
155 75.4 61.8 92.8

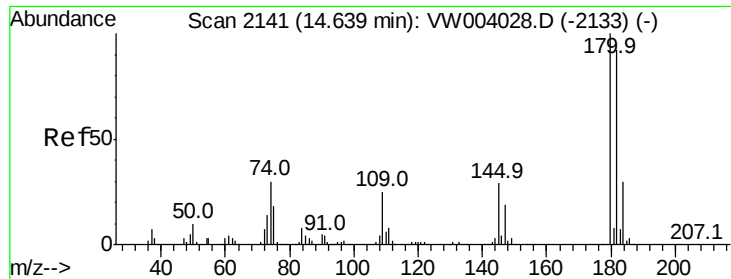


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

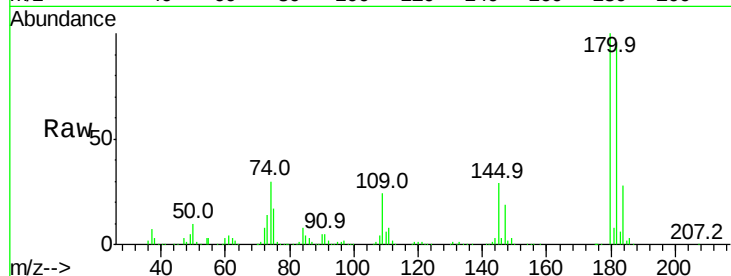




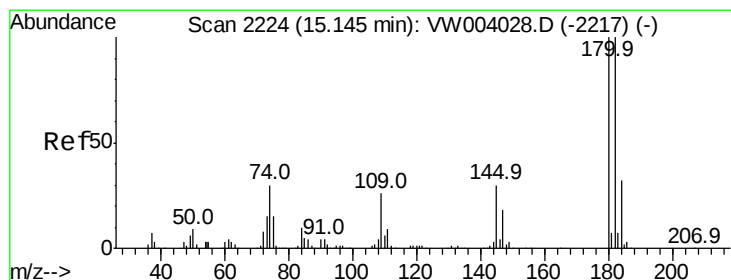
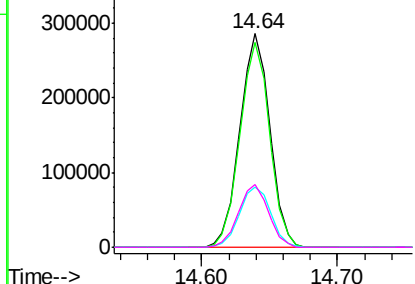
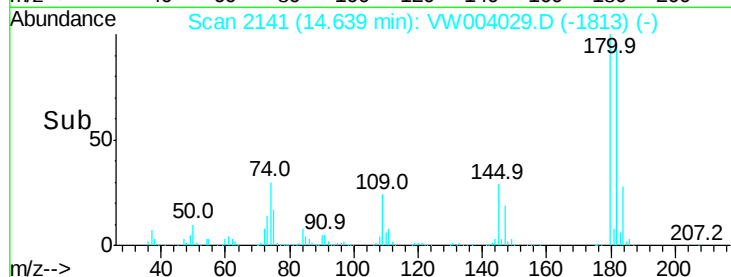
#67
 1,3,5-Trichlorobenzene
 Concen: 51.794 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004029.D
 Acq: 18 Jul 2018 13:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

Tgt Ion:180 Resp: 440046
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.5 113.3
 184 29.7 24.0 36.0
 145 29.5 23.3 34.9

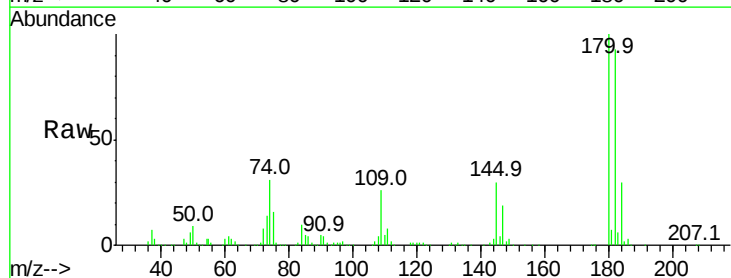


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

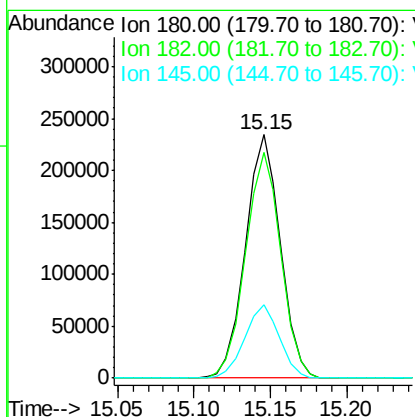
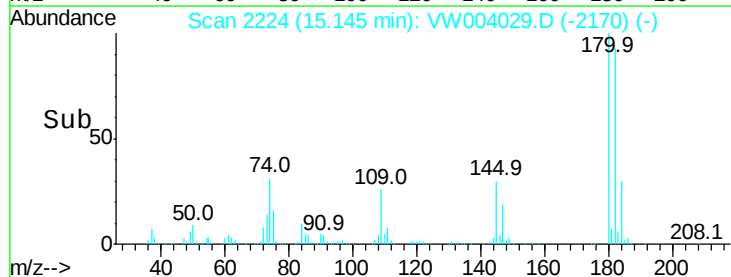


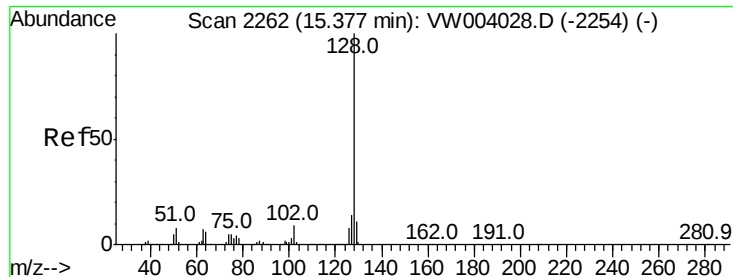
#68
 1,2,4-trichlorobenzene
 Concen: 53.964 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004029.D
 Acq: 18 Jul 2018 13:03

Tgt Ion:180 Resp: 371172
 Ion Ratio Lower Upper
 180 100
 182 94.0 77.8 116.6
 145 30.2 24.4 36.6



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: 62.539 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

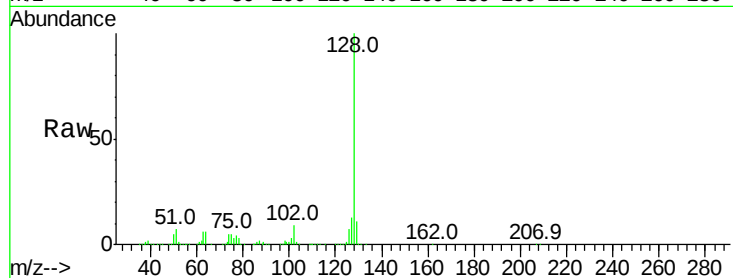
Tgt Ion:128 Resp: 866790

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

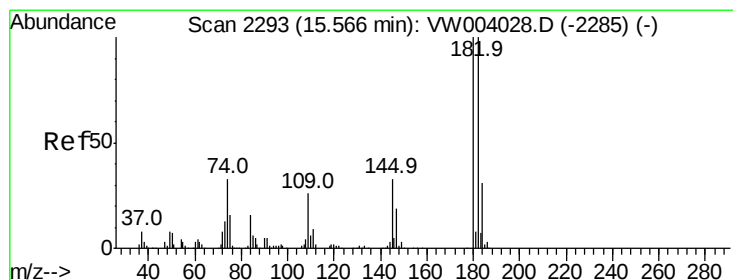
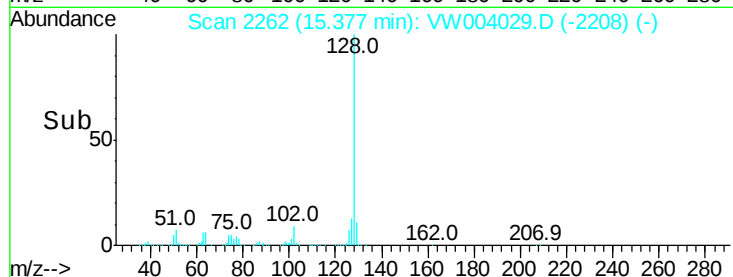
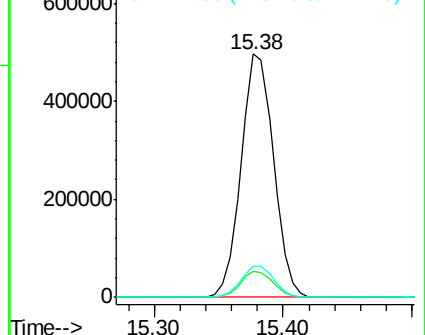
127 13.0 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.738 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004029.D

Acq: 18 Jul 2018 13:03

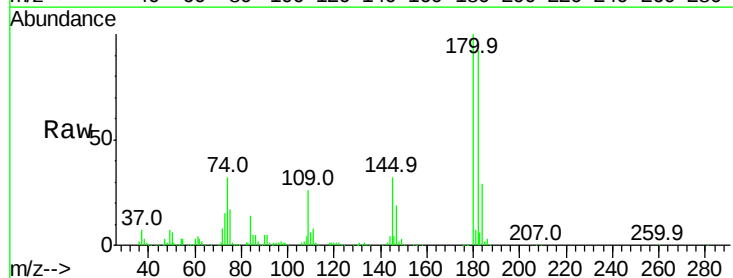
Tgt Ion:180 Resp: 343467

Ion Ratio Lower Upper

180 100

182 94.3 76.6 115.0

145 32.1 25.3 37.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

