

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071818\
 Data File : VW004027.D
 Acq On : 18 Jul 2018 20:00
 Operator : VA/AP
 Sample : VSTD00587
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 07:26:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 19 07:11:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	301340	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	283052	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	143212	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	19627	6.58	ug/L	0.00
7) Chloroethane-d5	2.89	69	13847	6.45	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	44682	6.25	ug/L	0.00
20) 2-Butanone-d5	7.09	46	17545	11.82	ug/L	0.00
24) Chloroform-d	7.65	84	44081	6.16	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	26225	6.09	ug/L	0.00
29) Benzene-d6	8.27	84	82885	6.31	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	26485	6.05	ug/L	0.00
37) Toluene-d8	10.33	98	73167	6.20	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	11547	6.00	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	10916	9.26	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	27834	5.80	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	27920	6.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	8022	4.087 ug/L	# 89
3) Chloromethane	2.21	50	17402	5.642 ug/L	97
5) Vinyl chloride	2.36	62	25024	5.388 ug/L	98
6) Bromomethane	2.77	94	13138	5.328 ug/L	99
8) Chloroethane	2.92	64	13071	5.368 ug/L	87
9) Trichlorofluoromethane	3.25	101	13358	5.773 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	21998	5.346 ug/L	94
12) 1,1-Dichloroethene	4.03	96	21921	5.465 ug/L	96
13) Acetone	4.12	43	19787	10.413 ug/L	99
14) Carbon disulfide	4.37	76	68859	5.306 ug/L	99
15) Methyl Acetate	4.67	43	16658	5.139 ug/L	98
16) Methylene chloride	4.90	84	36264	6.273 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	38462	4.958 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	21666	5.246 ug/L	94
19) 1,1-Dichloroethane	6.21	63	42245	5.377 ug/L	96
21) 2-Butanone	7.18	43	22634	9.600 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	22307	5.054 ug/L	96
23) Bromochloromethane	7.51	128	11487	5.535 ug/L	96
25) Chloroform	7.68	83	43405	5.410 ug/L	100
27) 1,2-Dichloroethane	8.40	62	31800	5.378 ug/L	97
30) Cyclohexane	7.96	56	31391	4.547 ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	35152	5.461 ug/L	99
32) Carbon tetrachloride	8.06	117	33589	5.408 ug/L	99
34) Benzene	8.33	78	93125	5.367 ug/L	100
35) Trichloroethene	9.09	95	24777	5.337 ug/L	99
36) Methylcyclohexane	9.34	83	36741	4.789 ug/L	94
40) 1,2-Dichloropropane	9.37	63	25440	5.409 ug/L	# 96
41) Bromodichloromethane	9.65	83	30903	5.336 ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	32481	4.901 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	38758	9.373 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

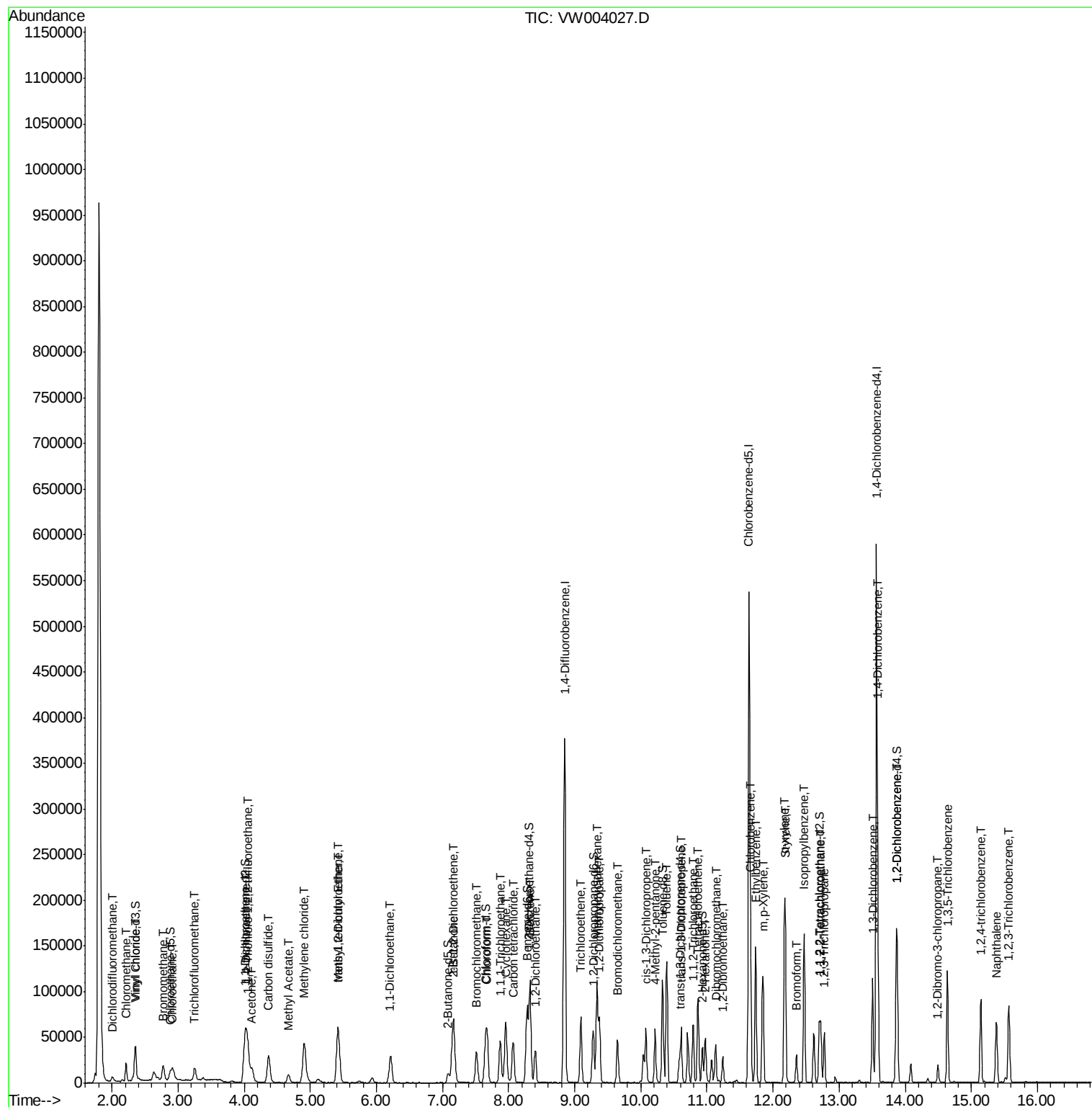
44) Toluene	10.39	91	95399	5.247	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	30807	5.040	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	19405	5.308	ug/L	94
47) Tetrachloroethene	10.87	164	19668	5.253	ug/L	94
49) 2-Hexanone	10.98	43	30417	9.502	ug/L	98
50) Dibromochloromethane	11.13	129	21605	5.276	ug/L	94
51) 1,2-Dibromoethane	11.24	107	18532	5.191	ug/L	96
52) Chlorobenzene	11.66	112	61775	5.299	ug/L	98
53) Ethylbenzene	11.74	91	99153	5.038	ug/L	98
54) m,p-Xylene	11.85	106	36707	5.061	ug/L	97
55) o-xylene	12.18	106	34252	4.937	ug/L	96
56) Styrene	12.19	104	59484	4.963	ug/L	99
57) Isopropylbenzene	12.47	105	94004	4.942	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	27689	5.299	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	21518	5.320	ug/L	99
62) Bromoform	12.35	173	13753	5.089	ug/L	97
63) 1,3-Dichlorobenzene	13.51	146	44592	5.055	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	49957	5.282	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	45739	5.321	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	4999	4.988	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	36647	5.254	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	28020	5.009	ug/L	98
69) Naphthalene	15.38	128	55194	4.383	ug/L	98
70) 1,2,3-Trichlorobenzene	15.57	180	27403	5.149	ug/L	98

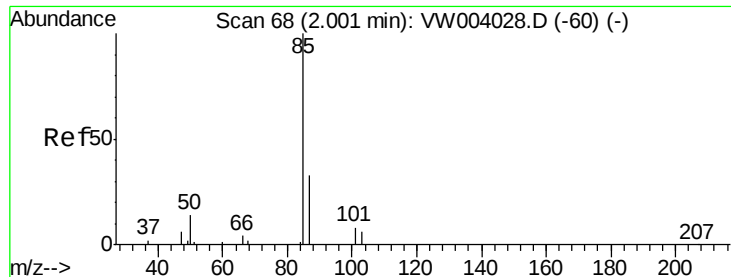
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.087 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

Instrument :

MSVOA_W

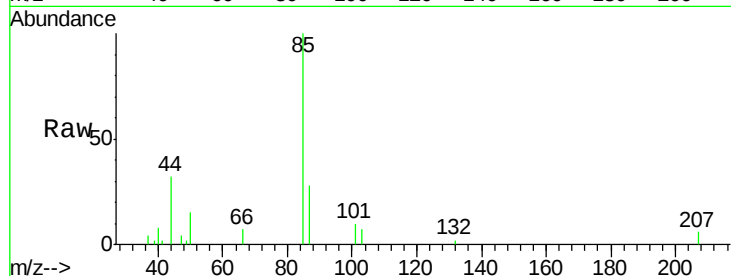
ClientSampled :

Tgt Ion: 85 Resp: 8022

Ion Ratio Lower Upper

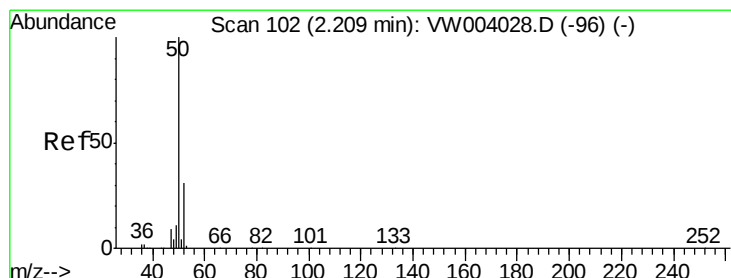
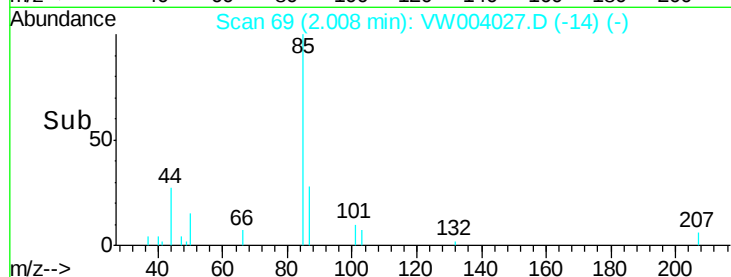
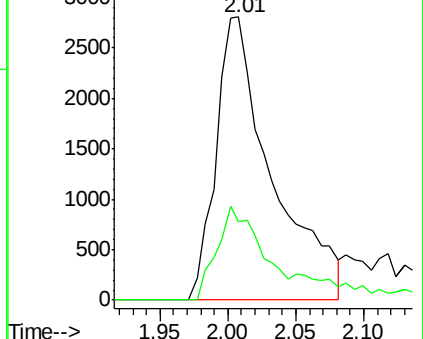
85 100

87 26.2 0.1 0.1#



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 5.642 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004027.D

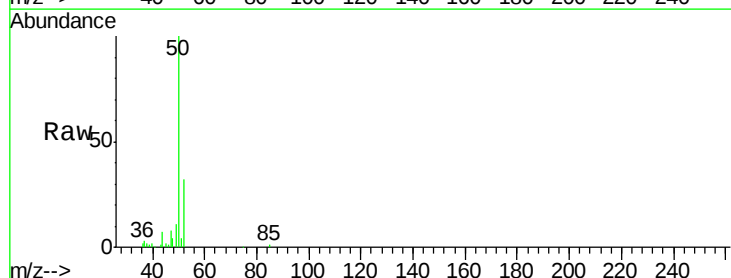
Acq: 18 Jul 2018 20:00

Tgt Ion: 50 Resp: 17402

Ion Ratio Lower Upper

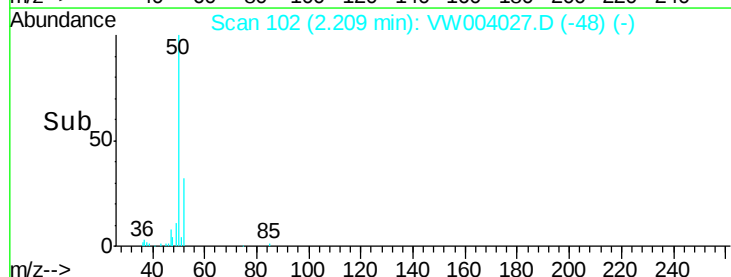
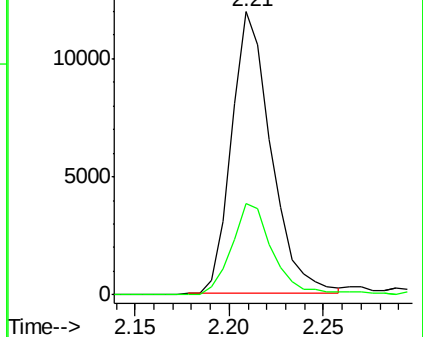
50 100

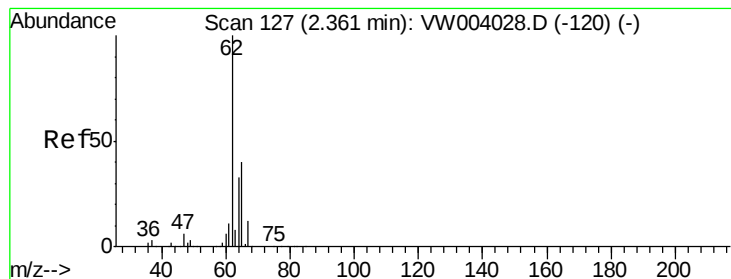
52 32.3 21.3 39.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 5.388 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.01 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

Instrument :

MSVOA_W

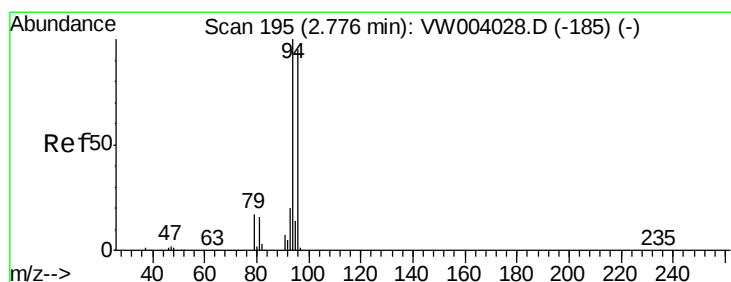
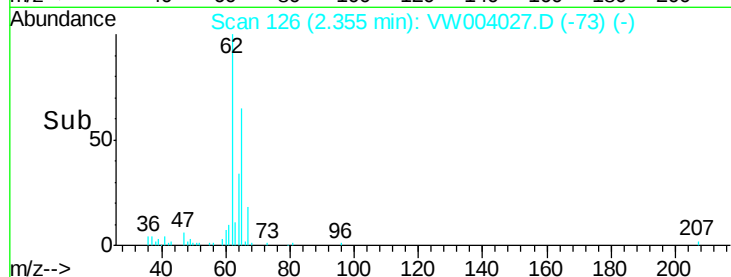
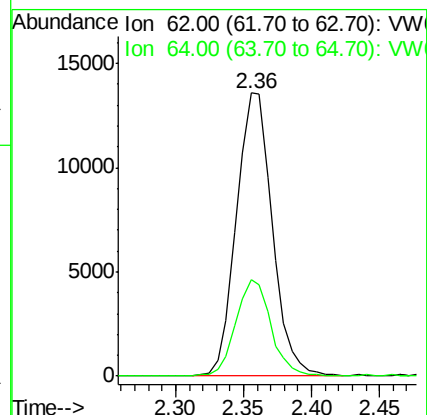
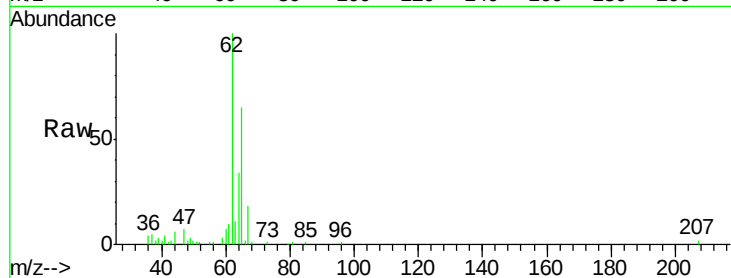
ClientSampleId :

Tgt Ion: 62 Resp: 25024

Ion Ratio Lower Upper

62 100

64 34.1 23.1 42.9



#6

Bromomethane

Concen: 5.328 ug/L

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW004027.D

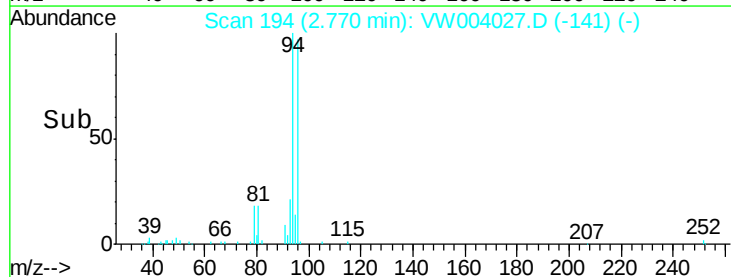
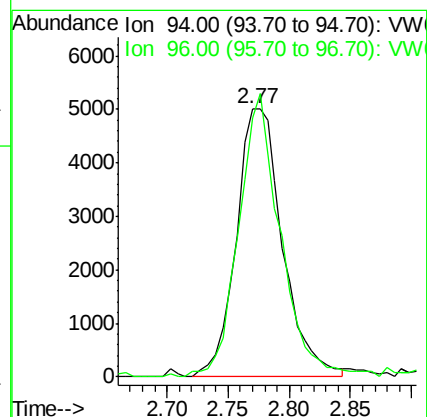
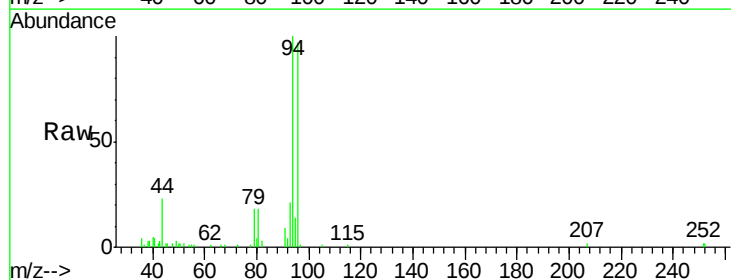
Acq: 18 Jul 2018 20:00

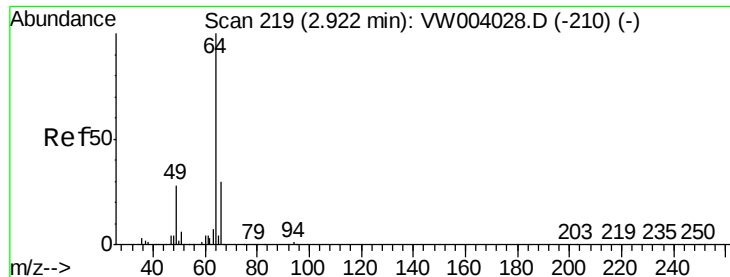
Tgt Ion: 94 Resp: 13138

Ion Ratio Lower Upper

94 100

96 93.3 9.5 179.9





#8

Chloroethane

Concen: 5.368 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

Instrument :

MSVOA_W

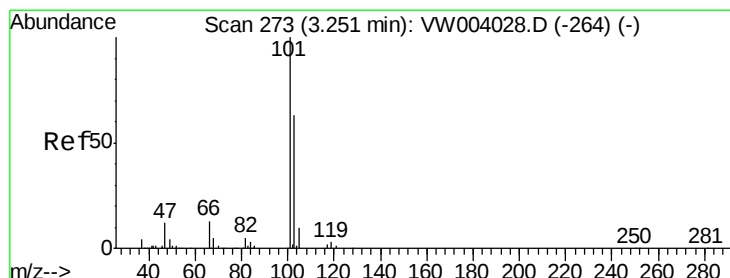
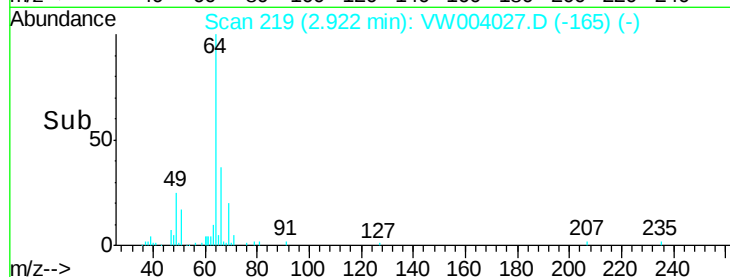
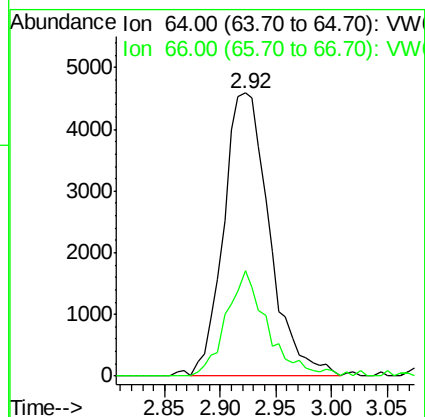
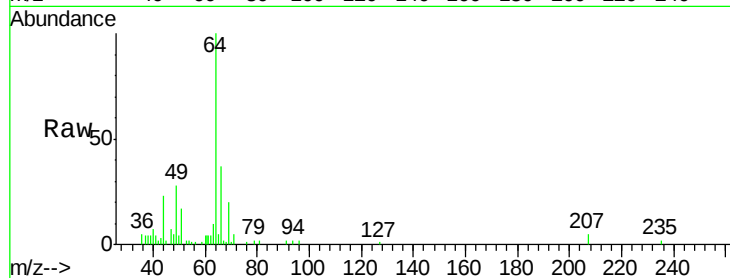
ClientSampleId :

Tgt Ion: 64 Resp: 13071

Ion Ratio Lower Upper

64 100

66 37.1 21.2 39.4



#9

Trichlorofluoromethane

Concen: 5.773 ug/L

RT: 3.25 min Scan# 273

Delta R.T. 0.00 min

Lab File: VW004027.D

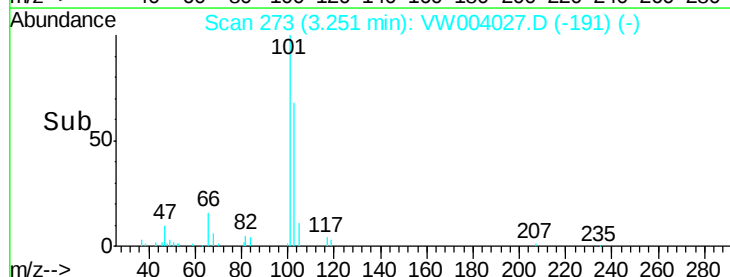
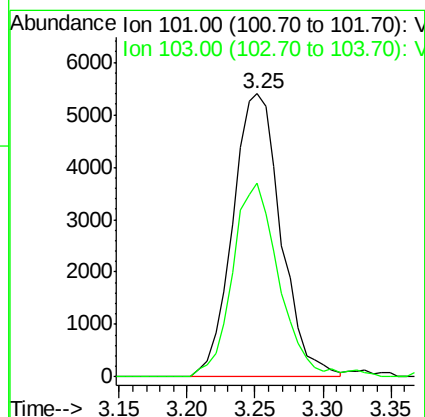
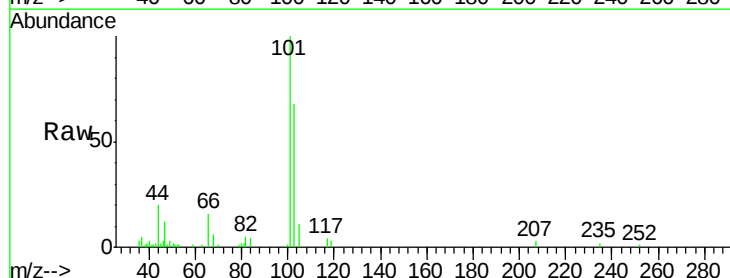
Acq: 18 Jul 2018 20:00

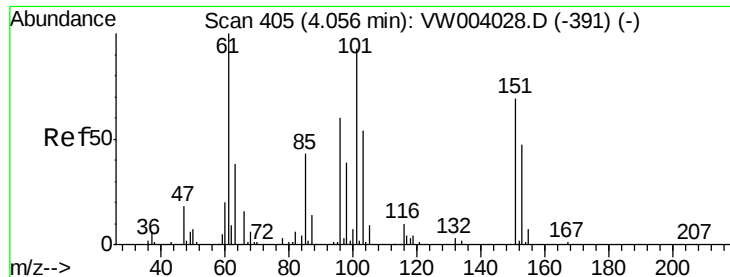
Tgt Ion: 101 Resp: 13358

Ion Ratio Lower Upper

101 100

103 64.8 45.6 84.8





#11

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

Concen: 5.346 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

Instrument :

MSVOA_W

ClientSampled :

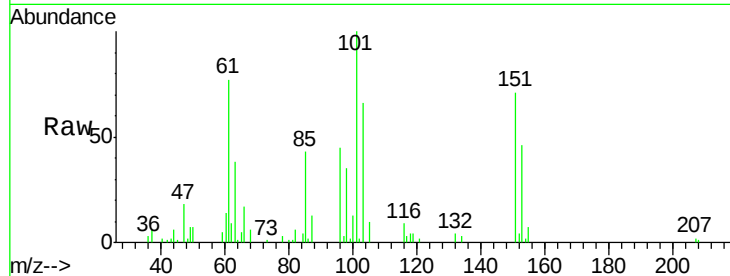
Tgt Ion: 101 Resp: 21998

Ion Ratio Lower Upper

101 100

85 47.6 36.2 54.4

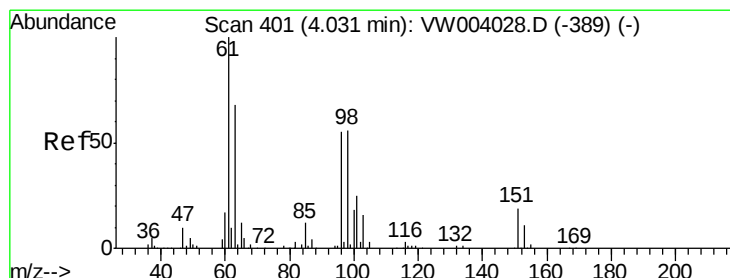
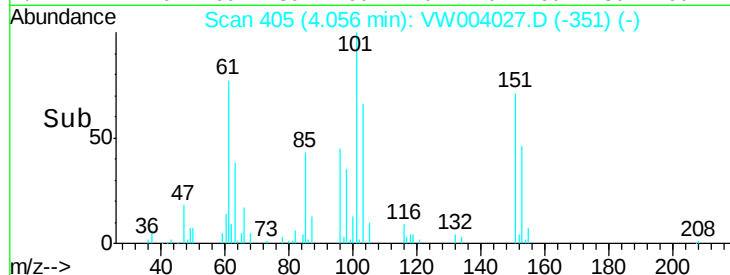
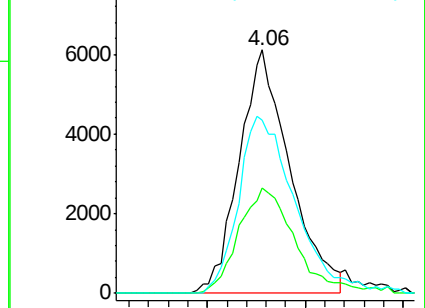
151 80.8 59.5 89.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.465 ug/L

RT: 4.03 min Scan# 400

Delta R.T. -0.01 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

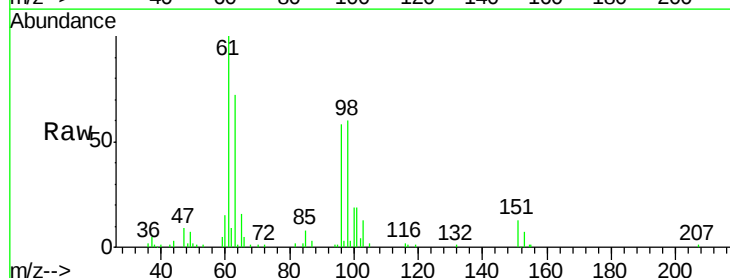
Tgt Ion: 96 Resp: 21921

Ion Ratio Lower Upper

96 100

61 173.6 127.3 236.5

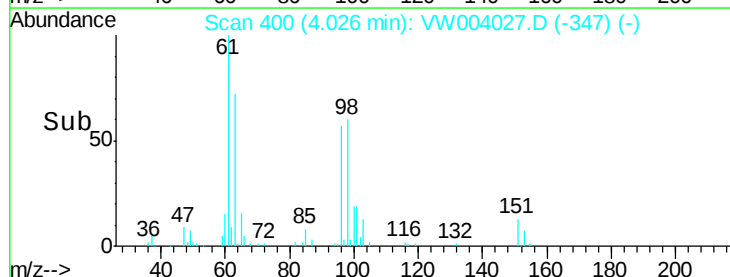
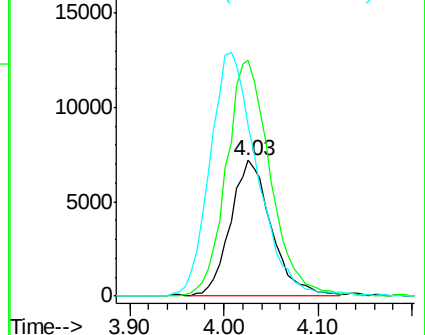
63 125.5 88.5 164.4

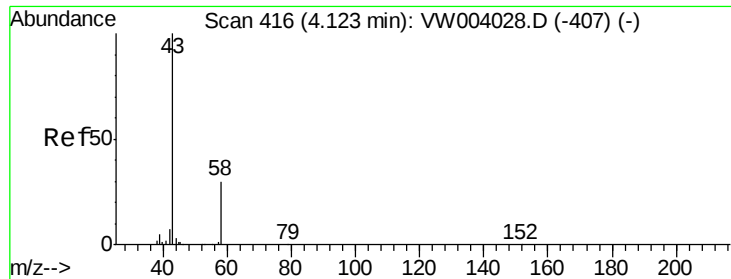


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 10.413 ug/L

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

Instrument :

MSVOA_W

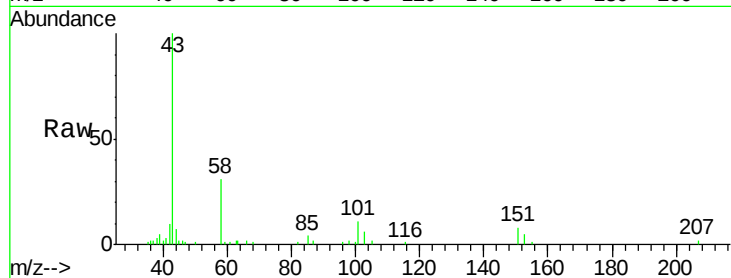
ClientSampled :

Tgt Ion: 43 Resp: 19787

Ion Ratio Lower Upper

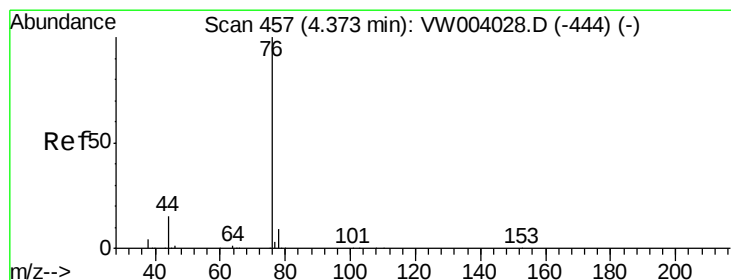
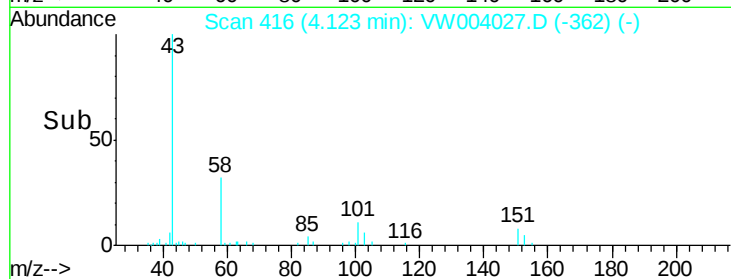
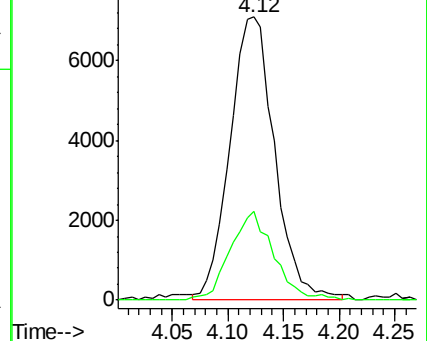
43 100

58 30.0 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: 5.306 ug/L

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW004027.D

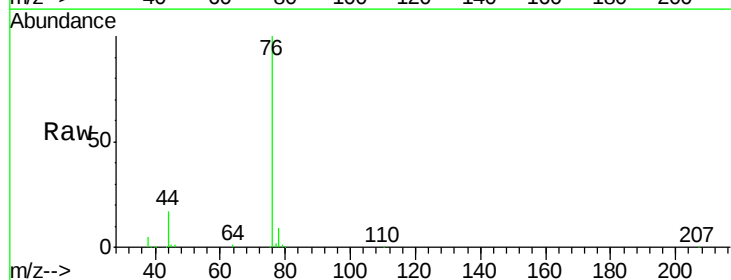
Acq: 18 Jul 2018 20:00

Tgt Ion: 76 Resp: 68859

Ion Ratio Lower Upper

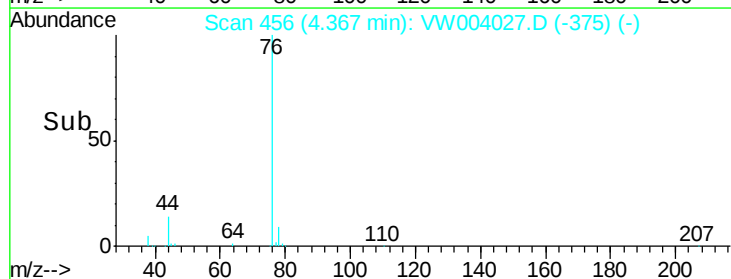
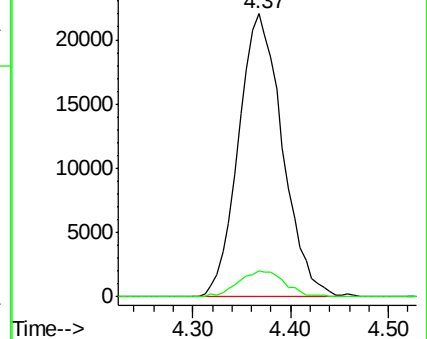
76 100

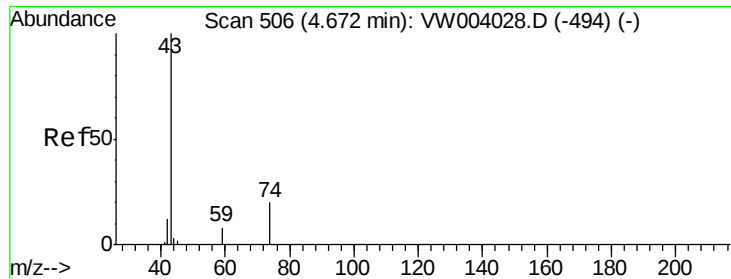
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 5.139 ug/L

RT: 4.67 min Scan# 506

Delta R.T. 0.00 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

Instrument :

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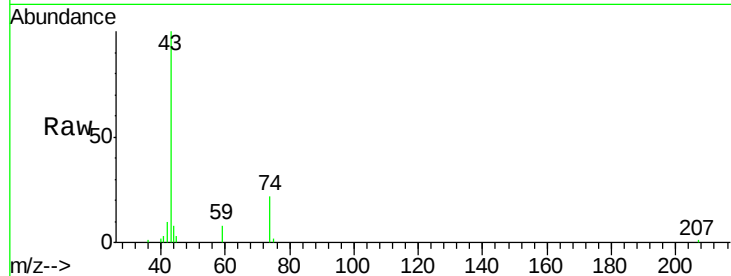
ClientSampled :

Tgt Ion: 43 Resp: 16658

Ion Ratio Lower Upper

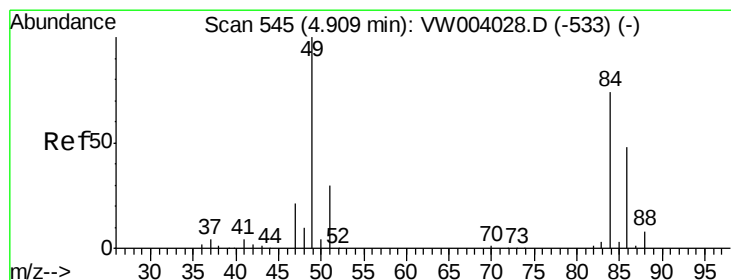
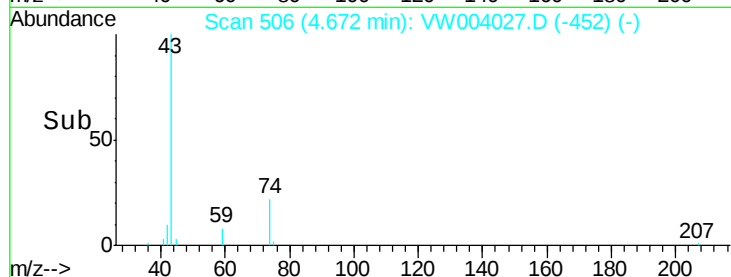
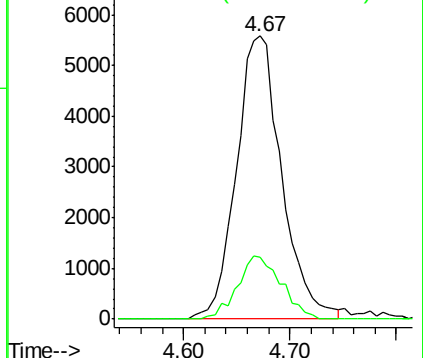
43 100

74 21.5 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 6.273 ug/L

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

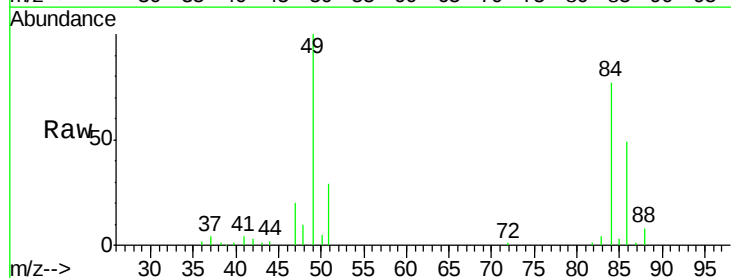
Tgt Ion: 84 Resp: 36264

Ion Ratio Lower Upper

84 100

49 129.6 94.2 175.0

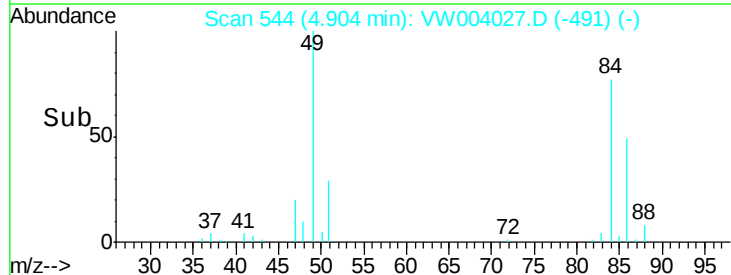
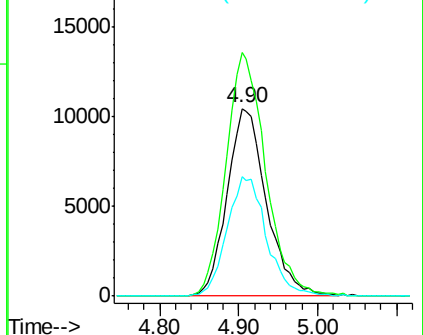
86 63.9 45.1 83.9

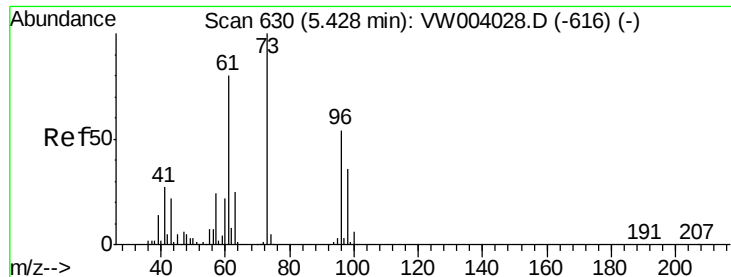


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

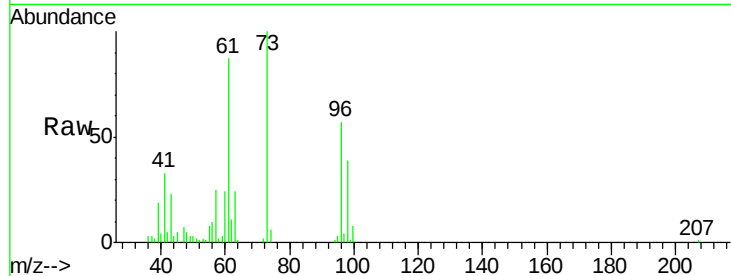




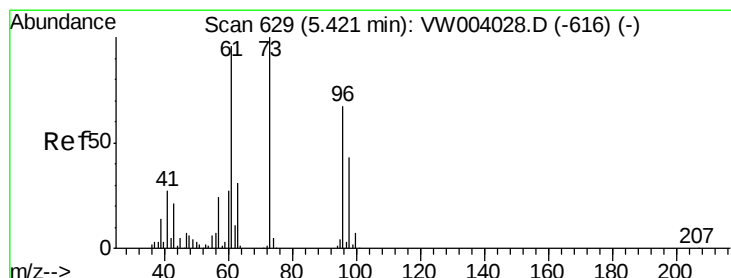
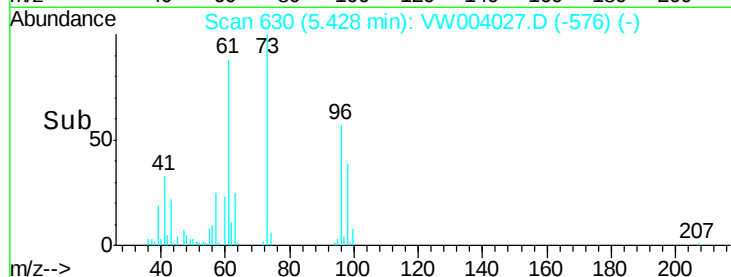
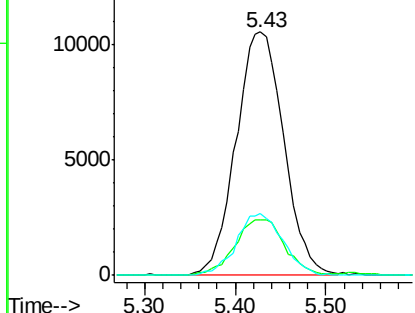
#17
Methyl tert-butyl Ether
Concen: 4.958 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004027.D
Acq: 18 Jul 2018 20:00

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 73 Resp: 38462
Ion Ratio Lower Upper
73 100
43 23.9 18.1 27.1
57 24.7 19.0 28.4

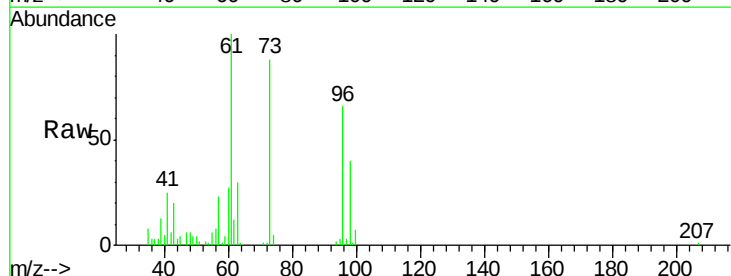


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

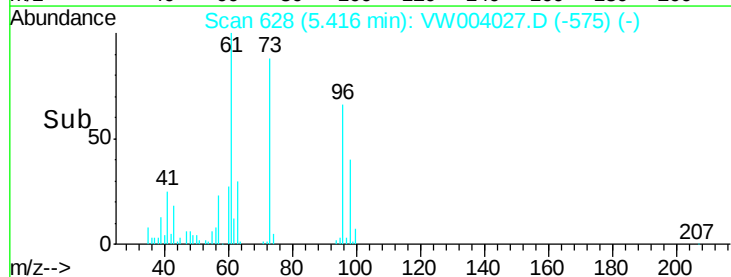
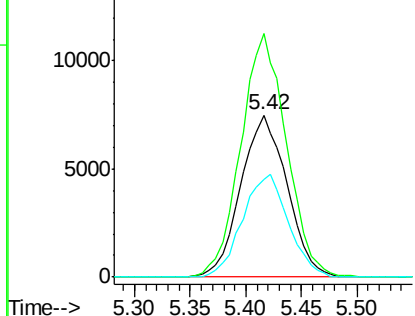


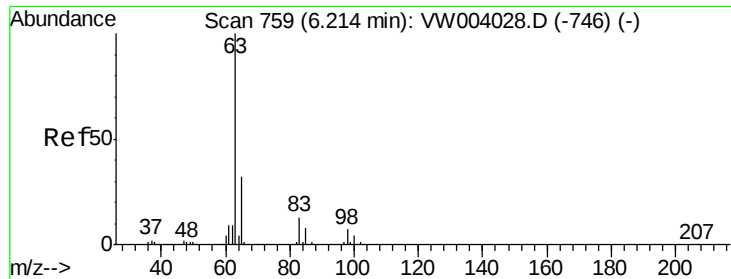
#18
trans-1,2-Dichloroethene
Concen: 5.246 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.01 min
Lab File: VW004027.D
Acq: 18 Jul 2018 20:00

Tgt Ion: 96 Resp: 21666
Ion Ratio Lower Upper
96 100
61 150.5 99.8 185.4
98 60.2 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

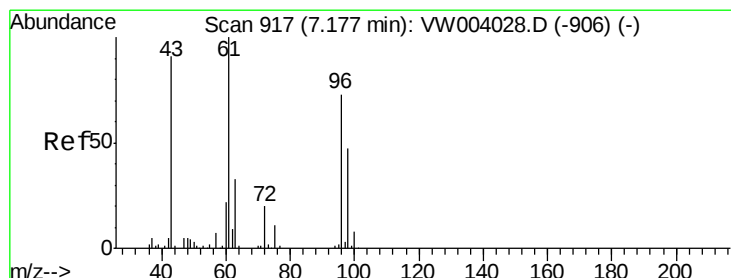
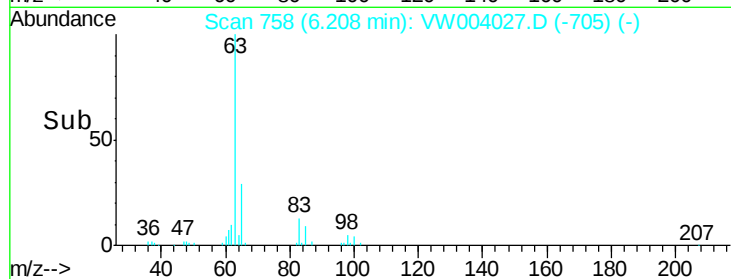
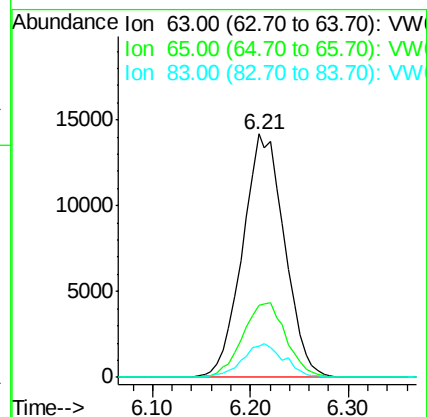
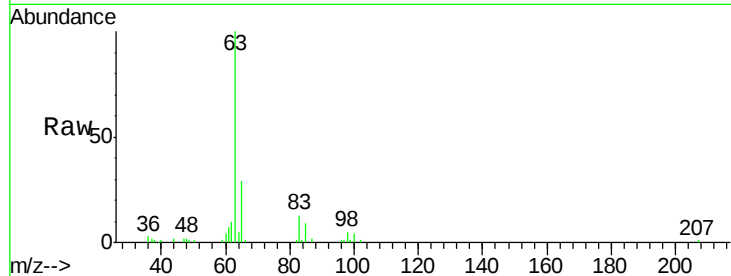




#19
 1,1-Dichloroethane
 Concen: 5.377 ug/L
 RT: 6.21 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VW004027.D
 Acq: 18 Jul 2018 20:00

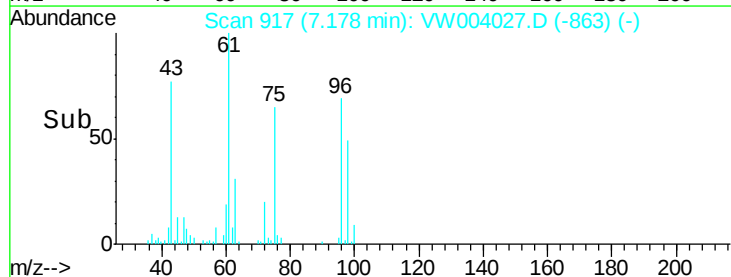
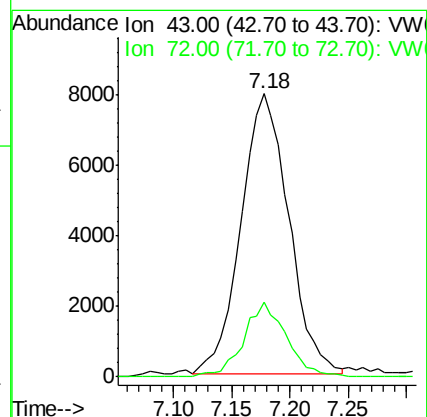
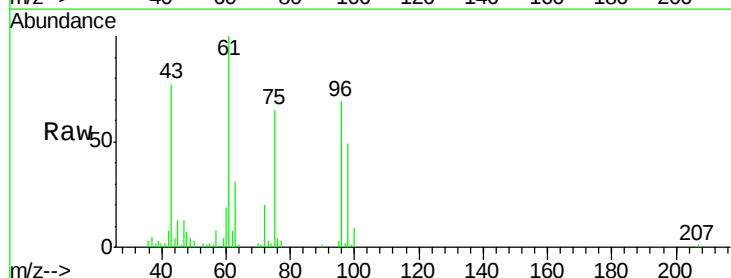
Instrument :
 MSVOA_W
 ClientSampled :

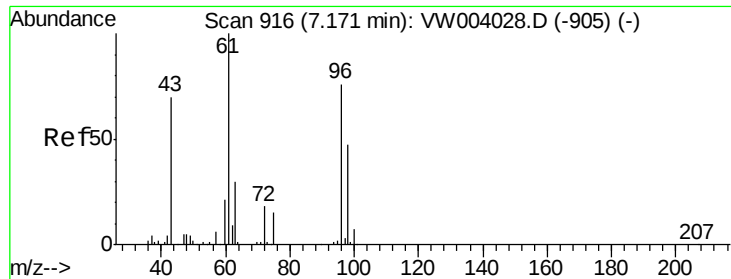
Tgt Ion: 63 Resp: 42245
 Ion Ratio Lower Upper
 63 100
 65 29.4 22.4 41.6
 83 12.9 9.2 17.2



#21
 2-Butanone
 Concen: 9.600 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VW004027.D
 Acq: 18 Jul 2018 20:00

Tgt Ion: 43 Resp: 22634
 Ion Ratio Lower Upper
 43 100
 72 23.6 12.1 36.3



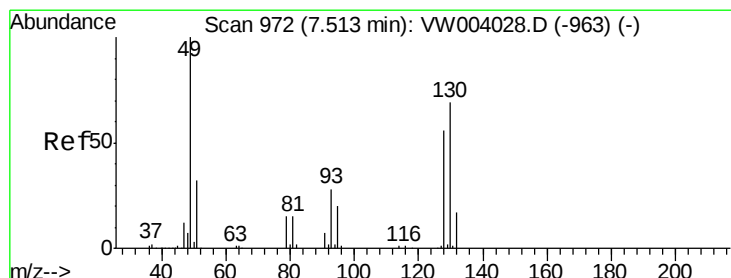
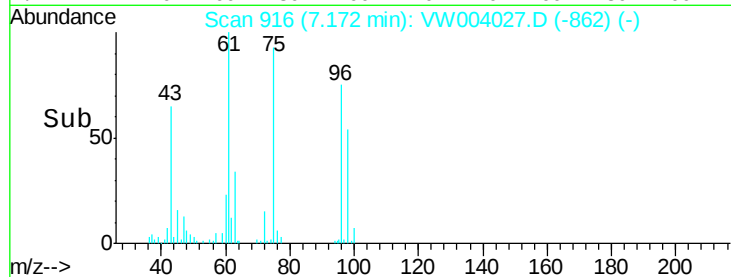
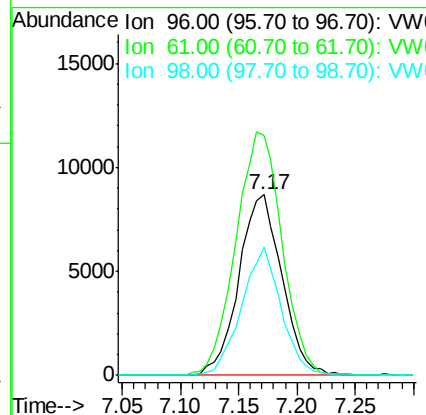
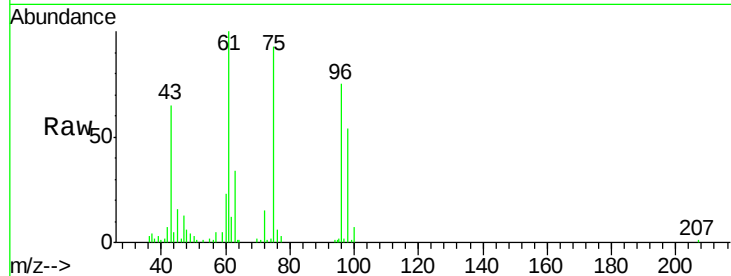


#22

cis-1,2-Dichloroethene
Concen: 5.054 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW004027.D
Acq: 18 Jul 2018 20:00

Instrument :
MSVOA_W
ClientSampleId :

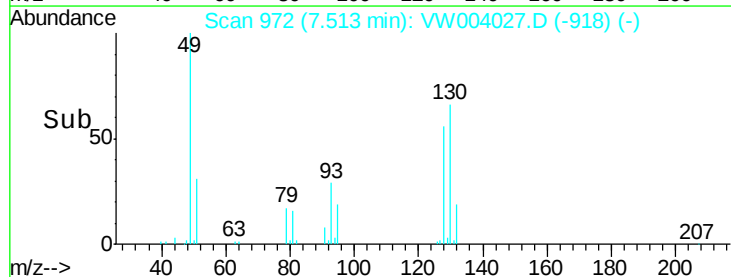
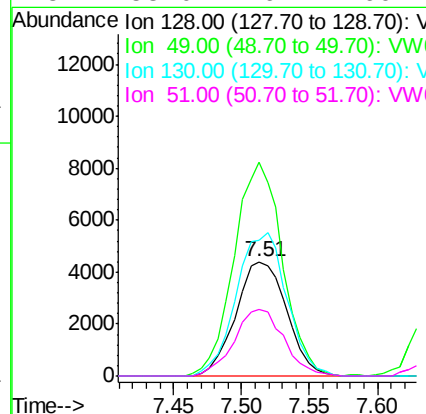
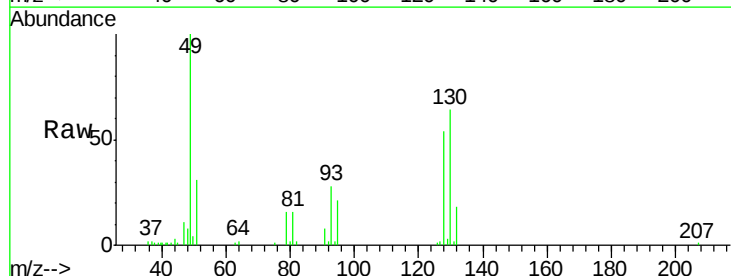
Tgt Ion: 96 Resp: 22307
Ion Ratio Lower Upper
96 100
61 132.5 92.5 171.9
98 71.0 43.0 80.0

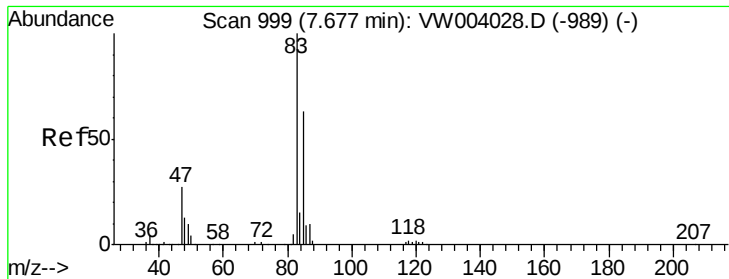


#23

Bromochloromethane
Concen: 5.535 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004027.D
Acq: 18 Jul 2018 20:00

Tgt Ion: 128 Resp: 11487
Ion Ratio Lower Upper
128 100
49 186.5 126.4 234.8
130 118.7 87.8 163.0
51 58.0 46.2 69.2





#25

Chloroform

Concen: 5.410 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

Instrument :

MSVOA_W

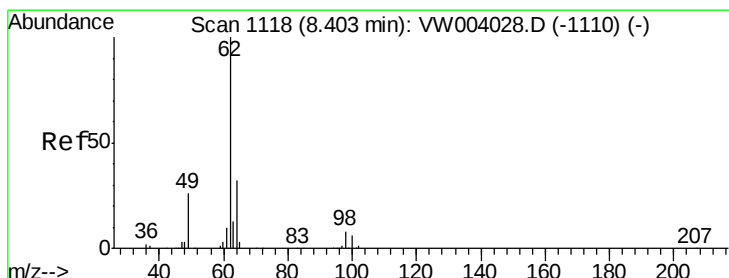
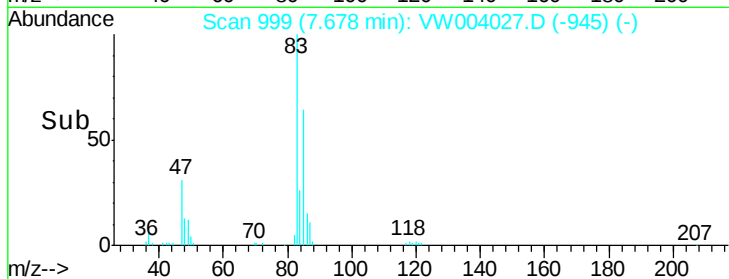
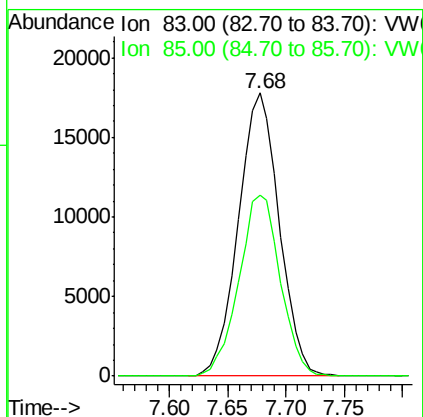
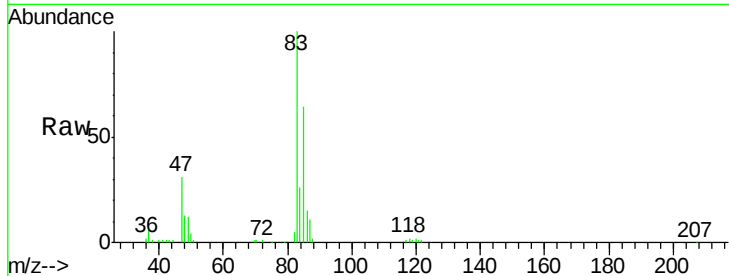
ClientSampled :

Tgt Ion: 83 Resp: 43405

Ion Ratio Lower Upper

83 100

85 64.8 45.3 84.1



#27

1,2-Dichloroethane

Concen: 5.378 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004027.D

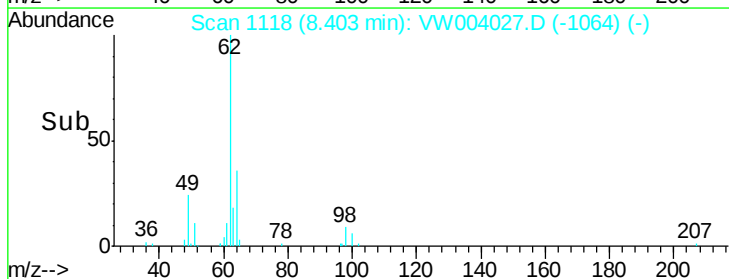
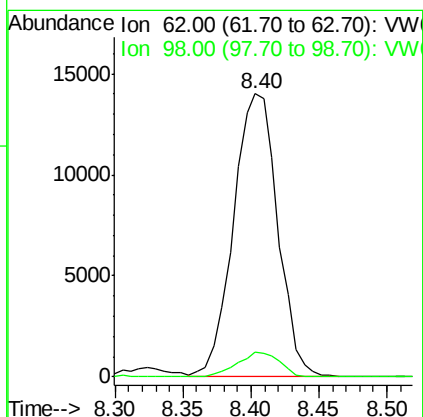
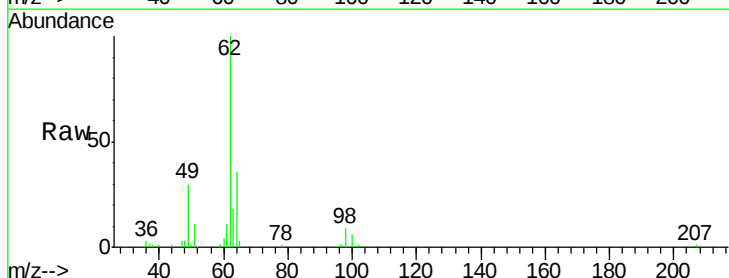
Acq: 18 Jul 2018 20:00

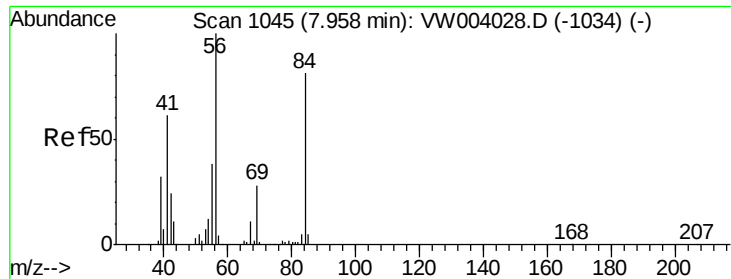
Tgt Ion: 62 Resp: 31800

Ion Ratio Lower Upper

62 100

98 8.8 6.2 9.4

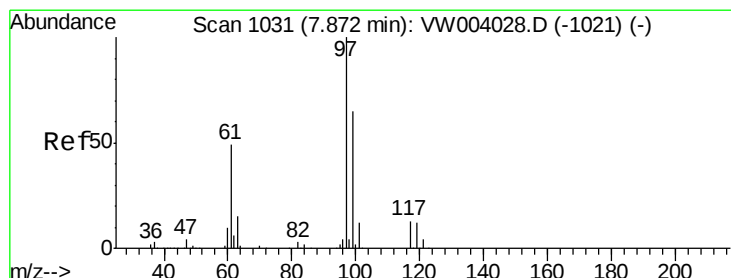
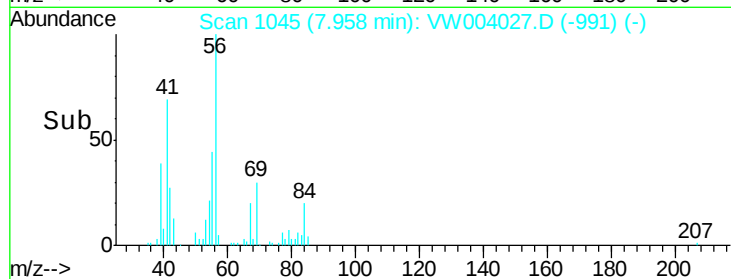
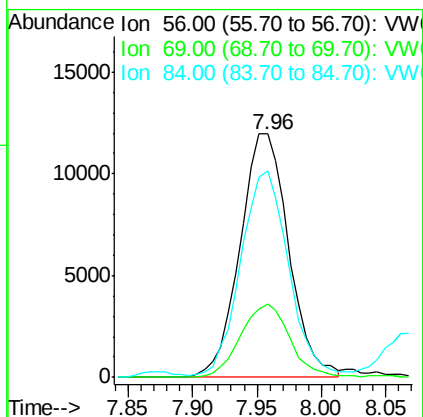
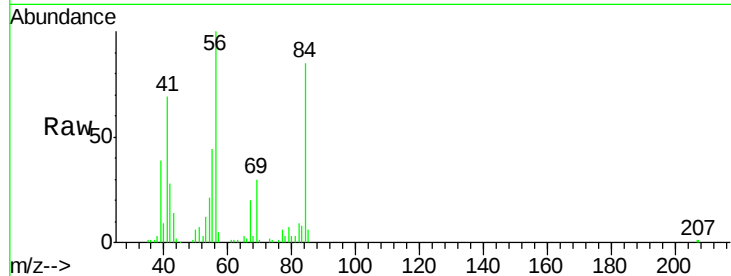




#30
Cyclohexane
Concen: 4.547 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004027.D
Acq: 18 Jul 2018 20:00

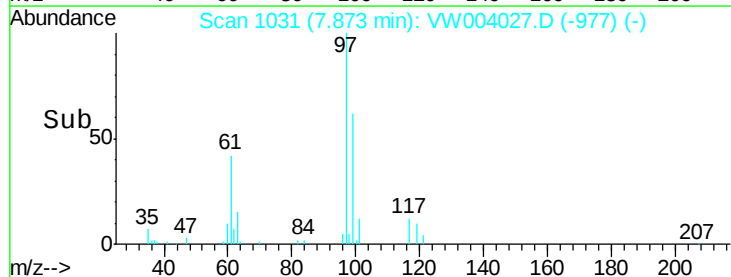
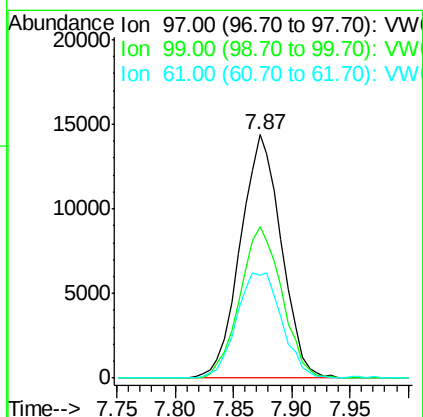
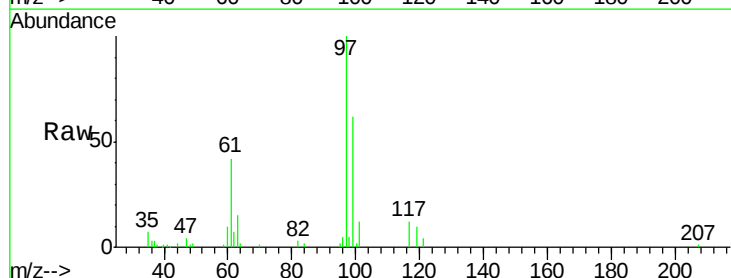
Instrument :
MSVOA_W
ClientSampleId :

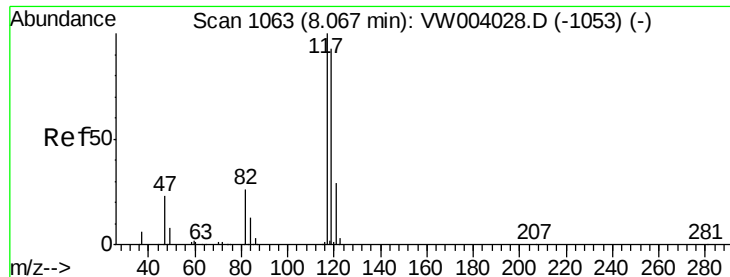
Tgt Ion: 56 Resp: 31391
Ion Ratio Lower Upper
56 100
69 30.4 22.8 34.2
84 82.7 64.6 96.8



#31
1,1,1-Trichloroethane
Concen: 5.461 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004027.D
Acq: 18 Jul 2018 20:00

Tgt Ion: 97 Resp: 35152
Ion Ratio Lower Upper
97 100
99 63.6 51.8 77.6
61 47.8 38.6 57.8





#32

Carbon tetrachloride

Concen: 5.408 ug/L

RT: 8.06 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

Instrument :

MSVOA_W

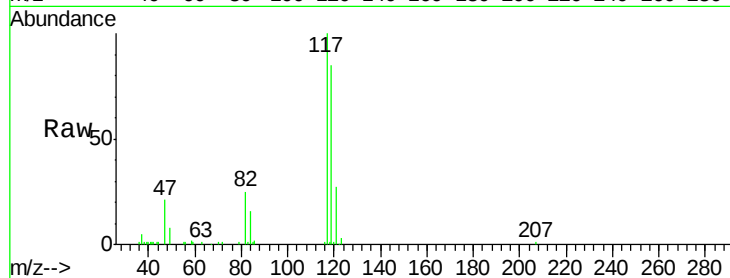
ClientSampleId :

Tgt Ion:117 Resp: 33589

Ion Ratio Lower Upper

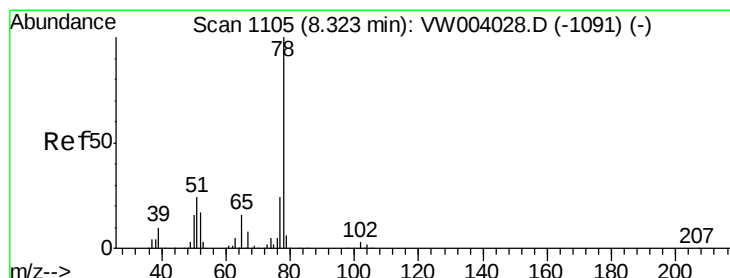
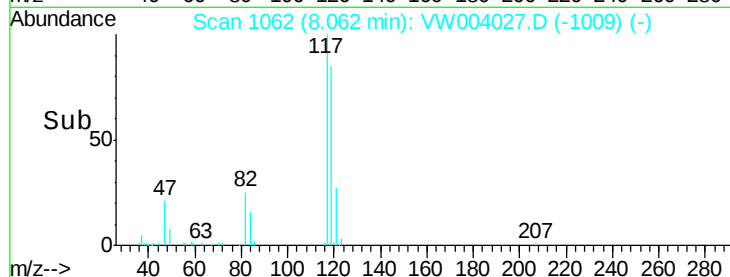
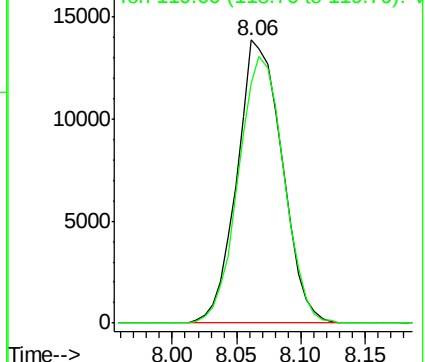
117 100

119 94.6 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 5.367 ug/L

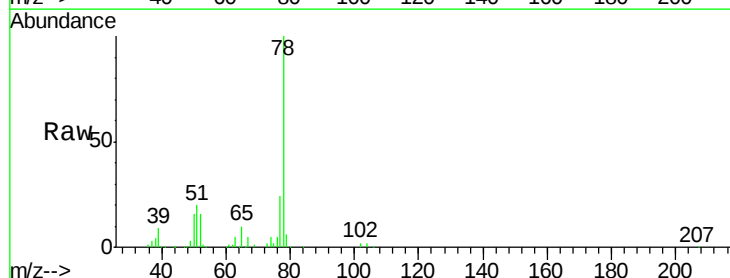
RT: 8.33 min Scan# 1106

Delta R.T. 0.01 min

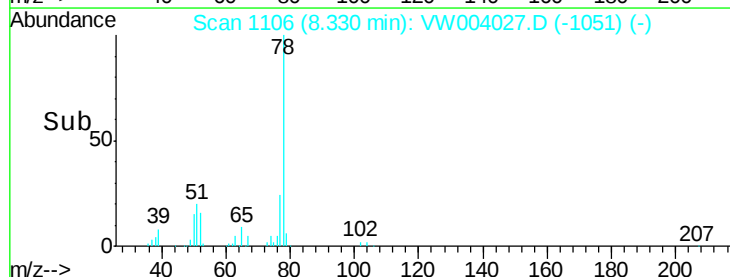
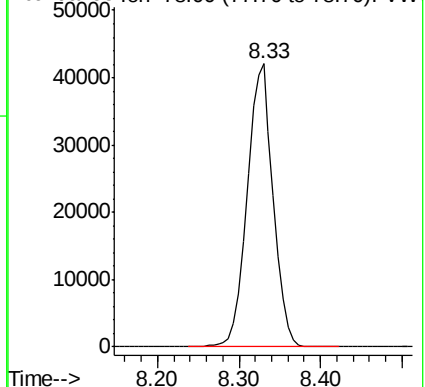
Lab File: VW004027.D

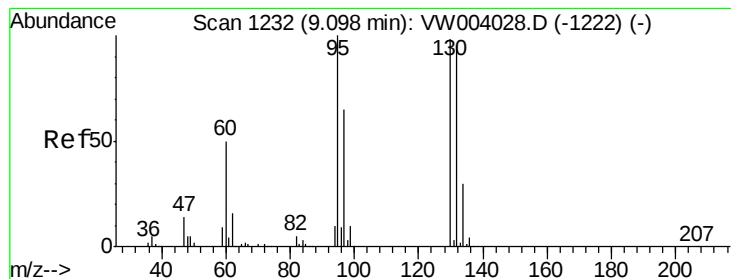
Acq: 18 Jul 2018 20:00

Tgt Ion: 78 Resp: 93125



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 5.337 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

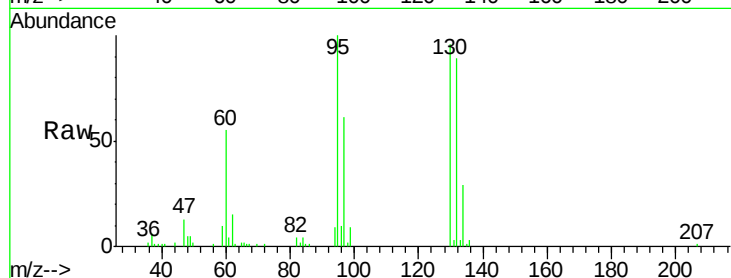
Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 24777

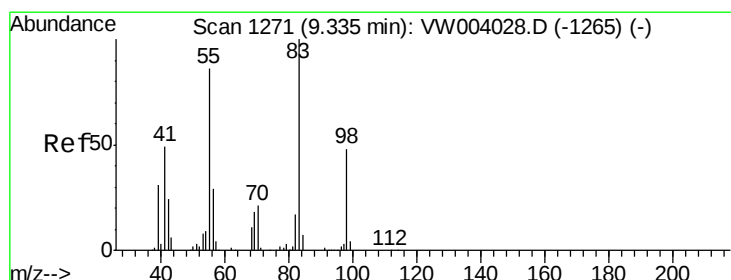
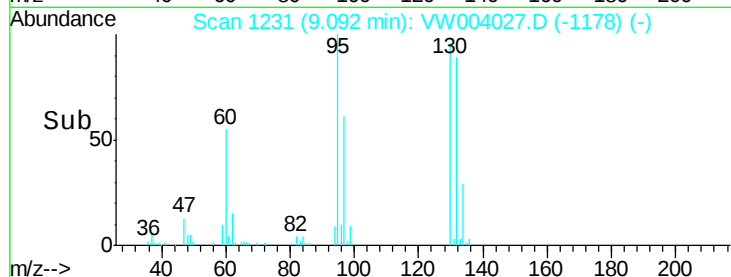
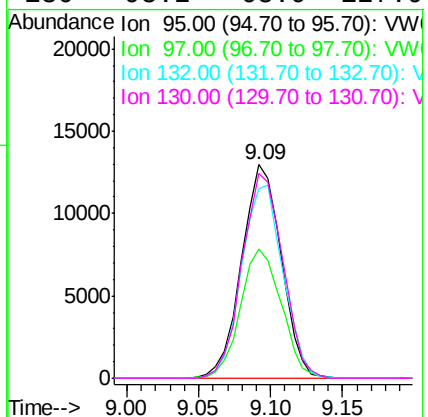
Ion Ratio Lower Upper

95 100

97 62.3 44.7 83.1

132 94.5 66.1 122.7

130 98.2 68.9 127.9



#36

Methylcyclohexane

Concen: 4.789 ug/L

RT: 9.34 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

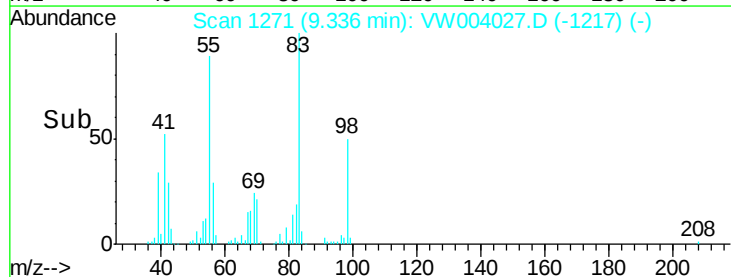
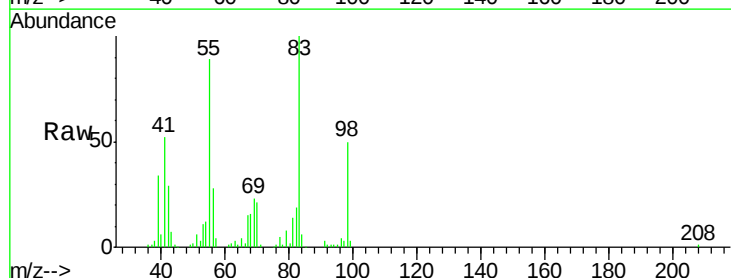
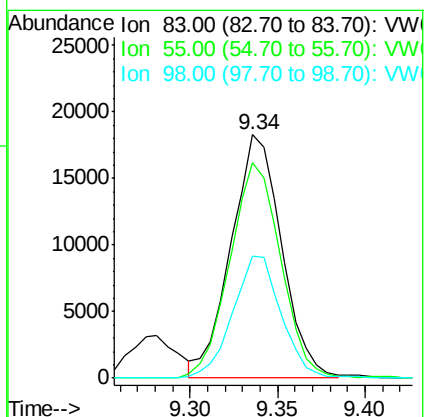
Tgt Ion: 83 Resp: 36741

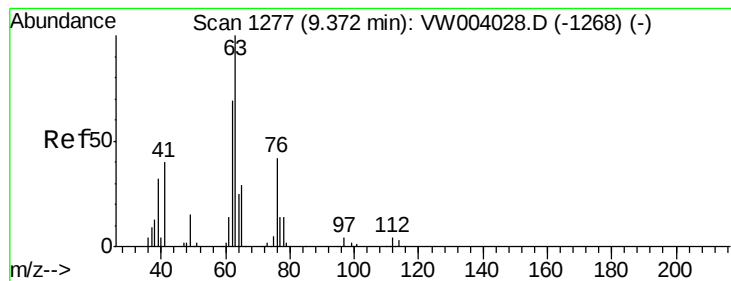
Ion Ratio Lower Upper

83 100

55 89.3 65.8 98.6

98 48.3 37.0 55.6





#40

1,2-Dichloropropane

Concen: 5.409 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

Instrument :

MSVOA_W

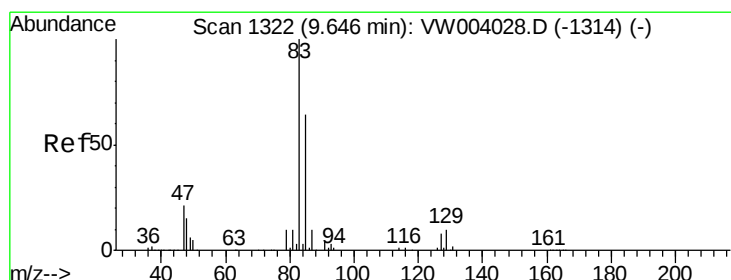
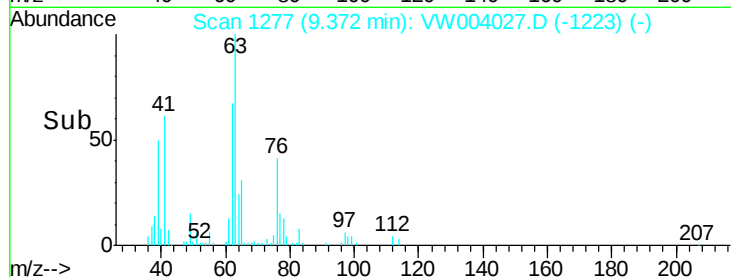
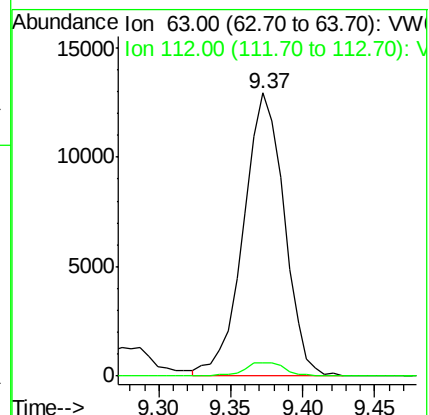
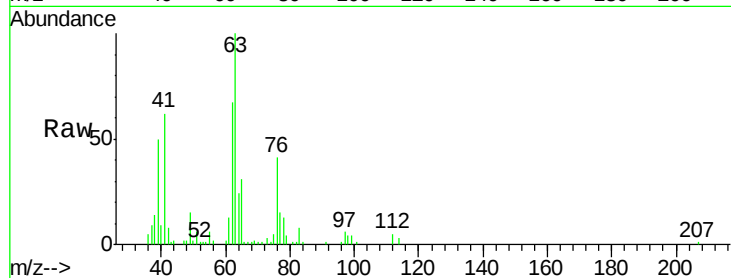
ClientSampled :

Tgt Ion: 63 Resp: 25440

Ion Ratio Lower Upper

63 100

112 4.9 3.0 4.4#



#41

Bromodichloromethane

Concen: 5.336 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

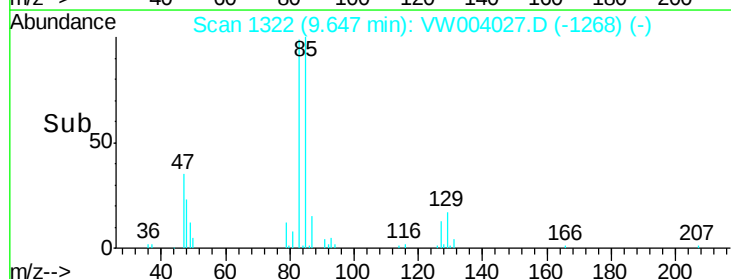
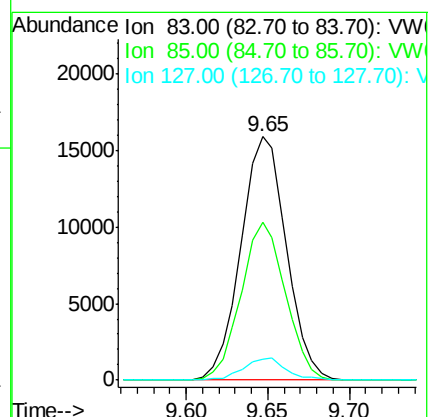
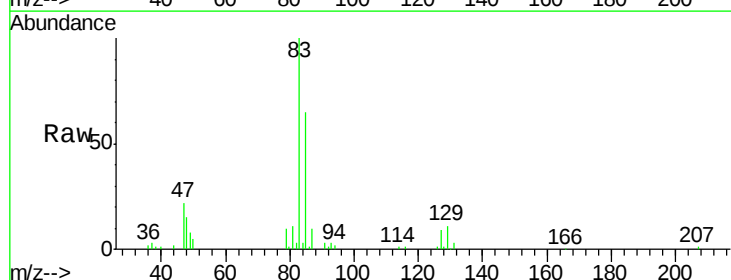
Tgt Ion: 83 Resp: 30903

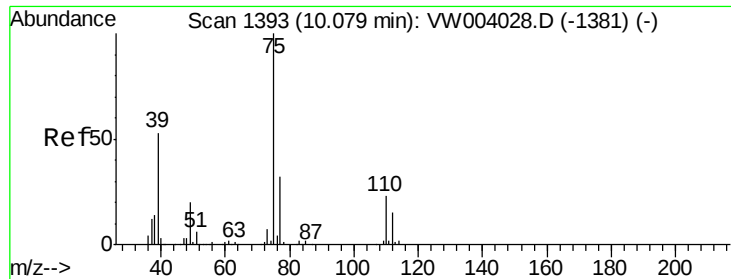
Ion Ratio Lower Upper

83 100

85 64.9 44.7 82.9

127 8.5 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 4.901 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

Instrument :

MSVOA_W

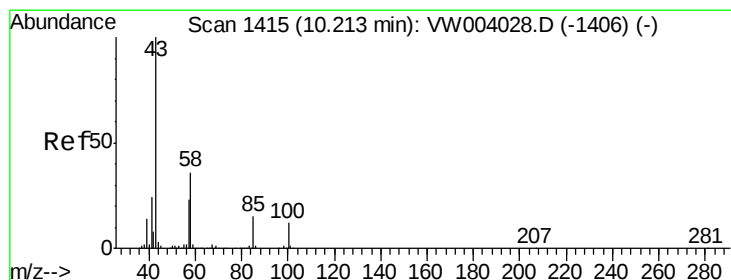
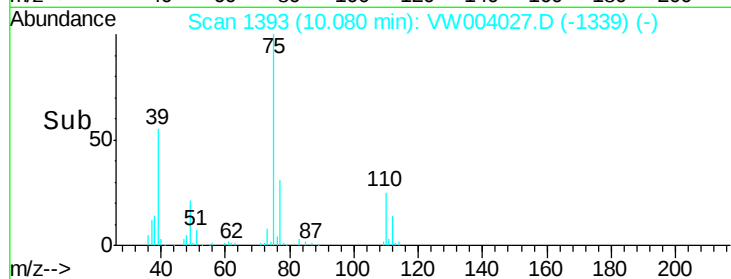
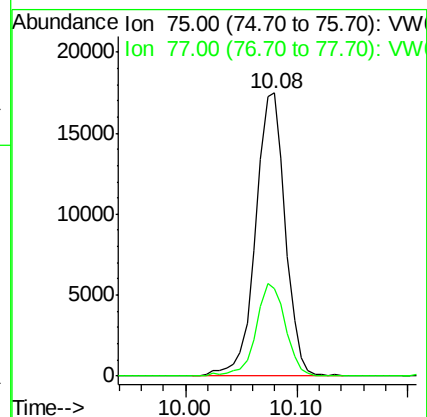
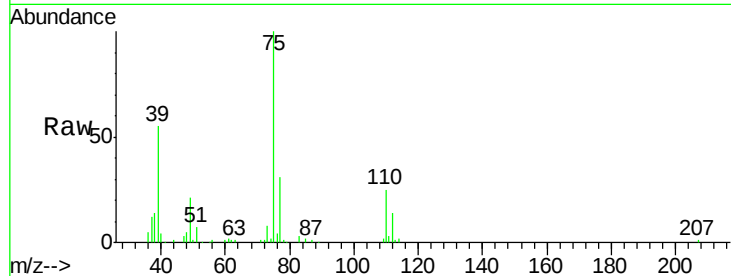
ClientSampled :

Tgt Ion: 75 Resp: 32481

Ion Ratio Lower Upper

75 100

77 30.9 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 9.373 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

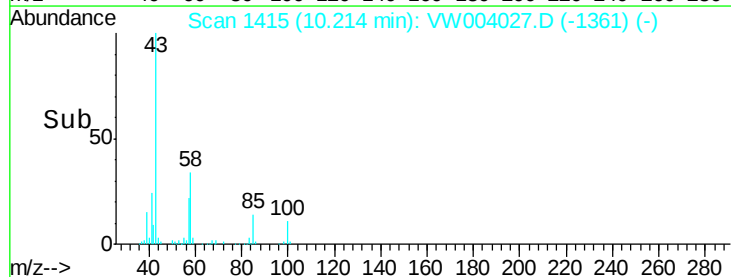
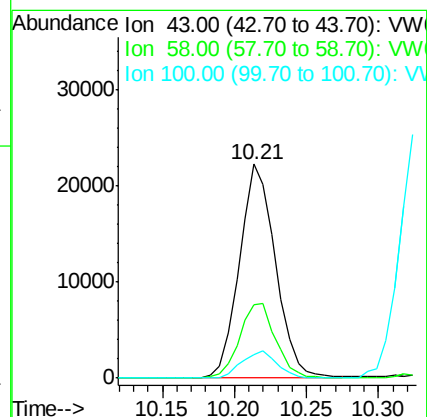
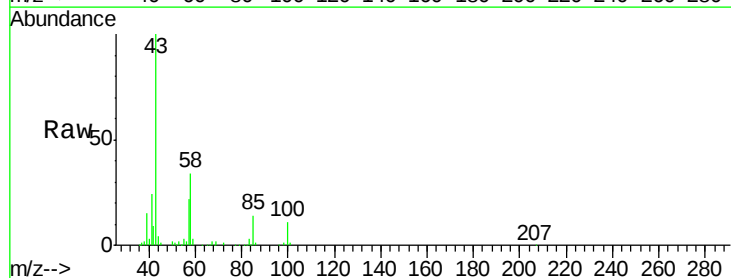
Tgt Ion: 43 Resp: 38758

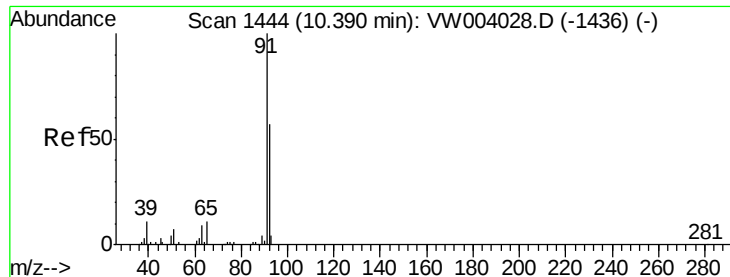
Ion Ratio Lower Upper

43 100

58 34.5 29.4 44.2

100 12.3 10.8 16.2





#44

Toluene

Concen: 5.247 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

Instrument :

MSVOA_W

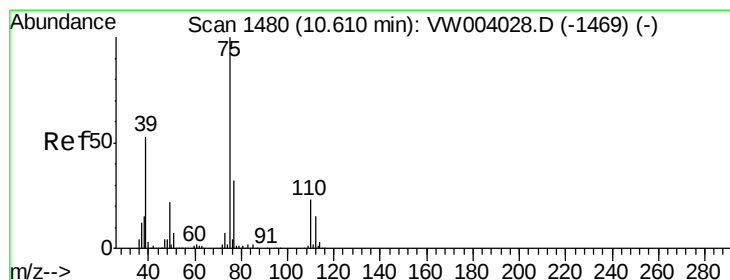
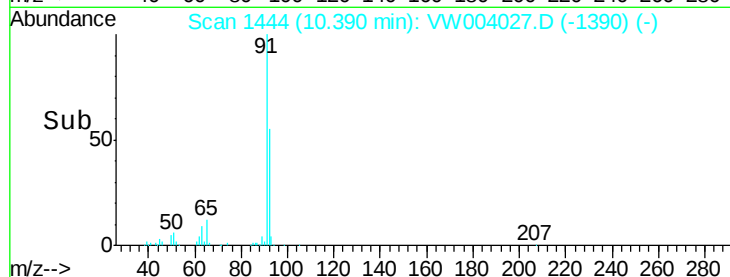
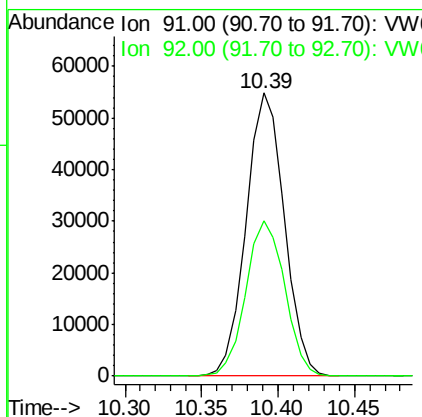
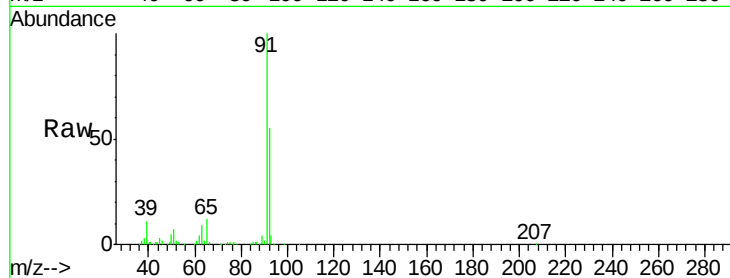
ClientSampled :

Tgt Ion: 91 Resp: 95399

Ion Ratio Lower Upper

91 100

92 54.9 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 5.040 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004027.D

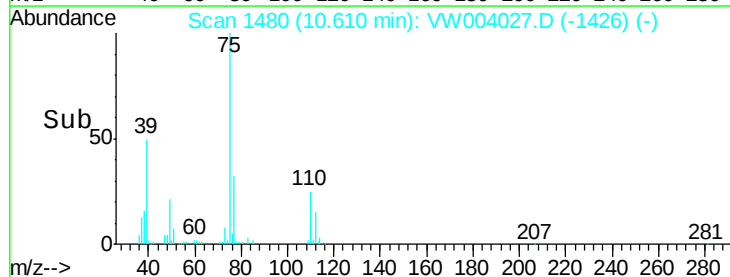
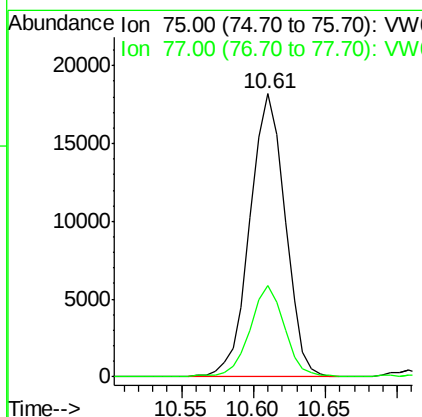
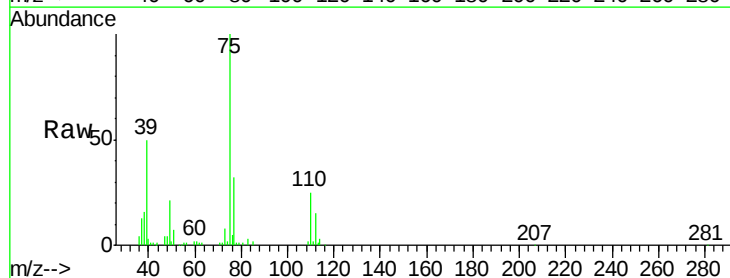
Acq: 18 Jul 2018 20:00

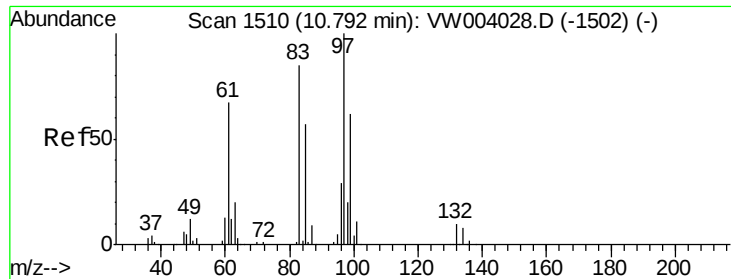
Tgt Ion: 75 Resp: 30807

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.7

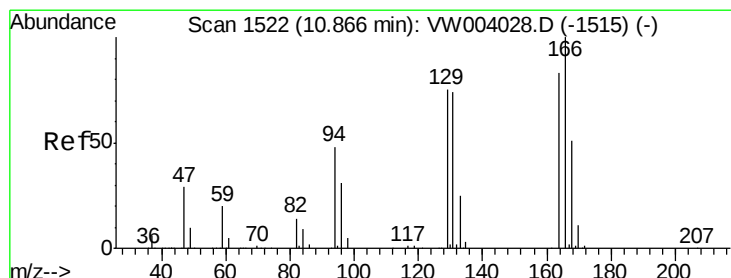
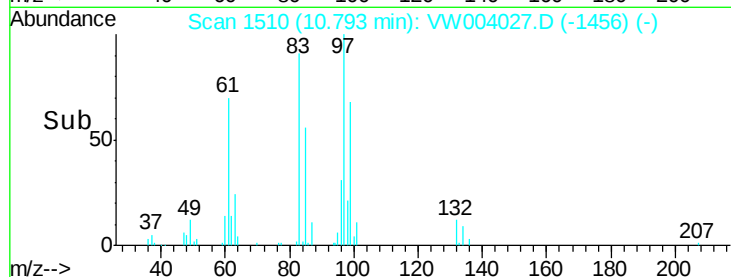
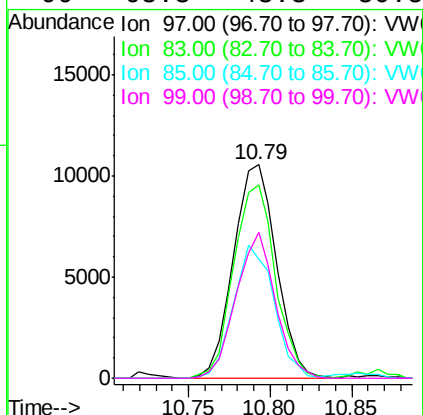
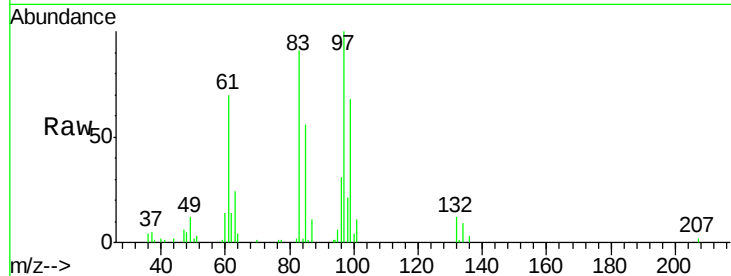




#46
 1,1,2-Trichloroethane
 Concen: 5.308 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004027.D
 Acq: 18 Jul 2018 20:00

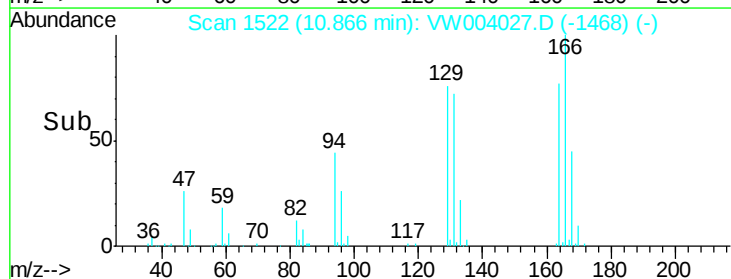
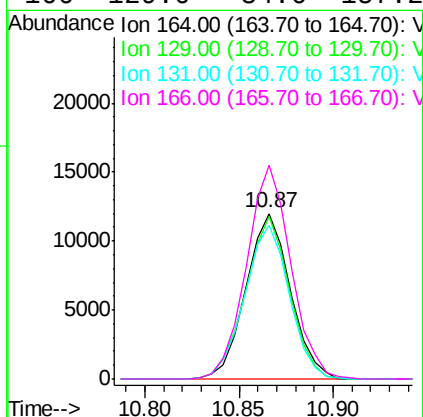
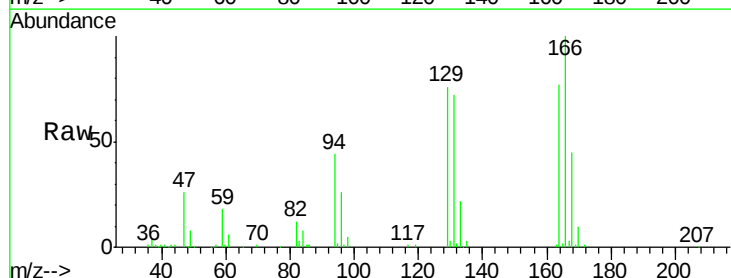
Instrument :
 MSVOA_W
 ClientSampleId :

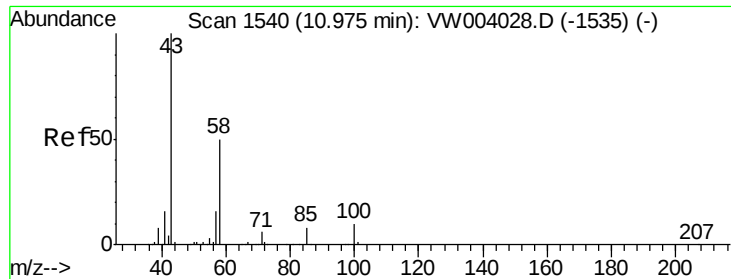
Tgt Ion:	97	Resp:	19405
Ion	Ratio	Lower	Upper
97	100		
83	90.8	59.4	110.4
85	55.9	40.0	74.2
99	68.3	43.3	80.5



#47
 Tetrachloroethene
 Concen: 5.253 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004027.D
 Acq: 18 Jul 2018 20:00

Tgt Ion:	164	Resp:	19668
Ion	Ratio	Lower	Upper
164	100		
129	98.4	63.1	117.3
131	92.5	62.8	116.6
166	129.0	84.6	157.2

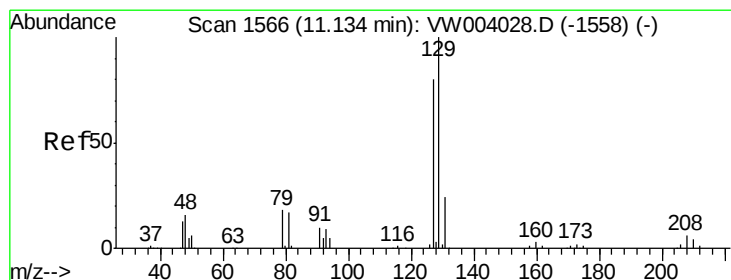
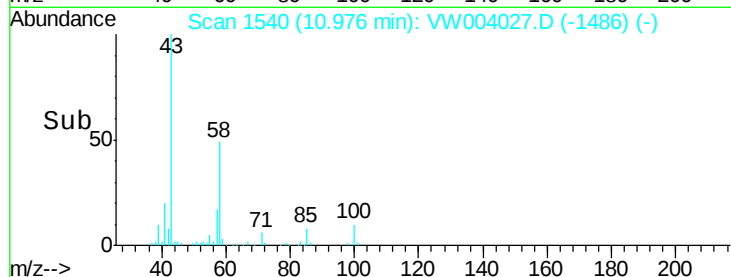
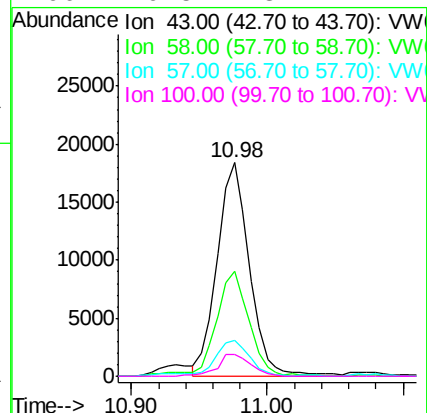
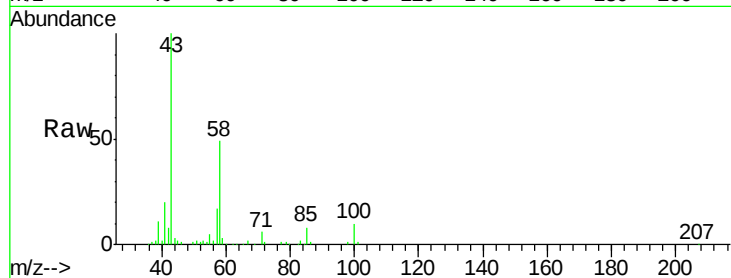




#49
2-Hexanone
Concen: 9.502 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004027.D
Acq: 18 Jul 2018 20:00

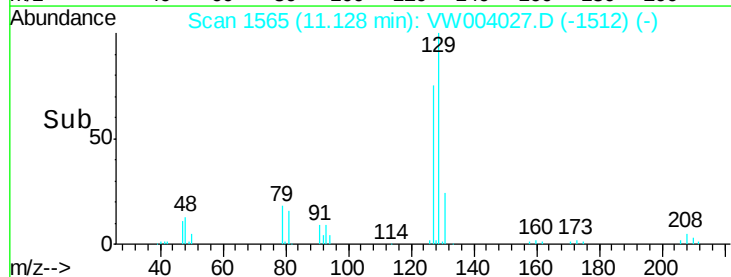
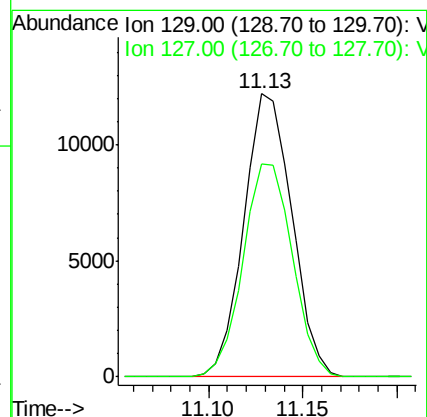
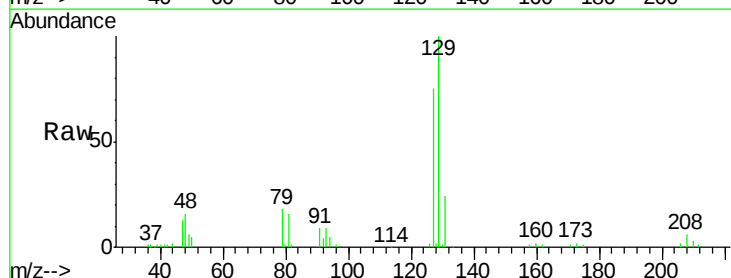
Instrument :
MSVOA_W
ClientSampled :

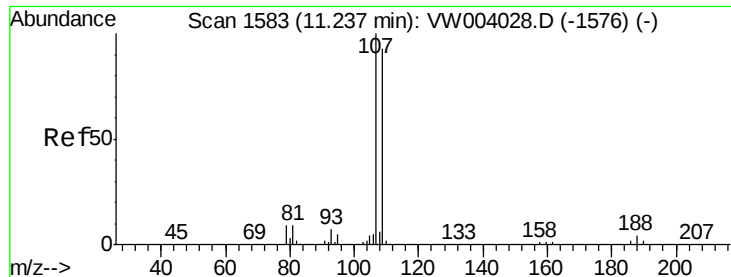
Tgt Ion: 43 Resp: 30417
Ion Ratio Lower Upper
43 100
58 48.2 40.4 60.6
57 17.1 14.0 21.0
100 10.5 8.2 12.2



#50
Dibromochloromethane
Concen: 5.276 ug/L
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004027.D
Acq: 18 Jul 2018 20:00

Tgt Ion: 129 Resp: 21605
Ion Ratio Lower Upper
129 100
127 75.1 56.1 104.3

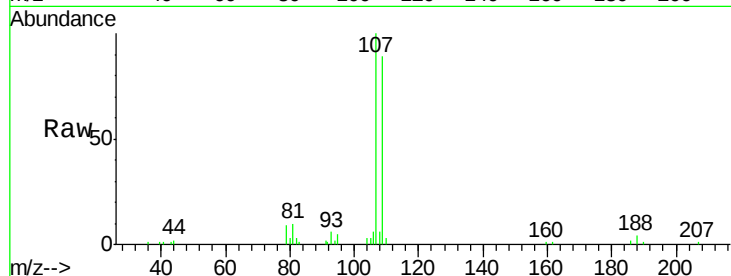




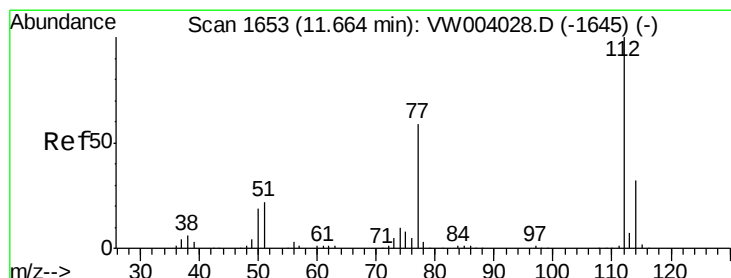
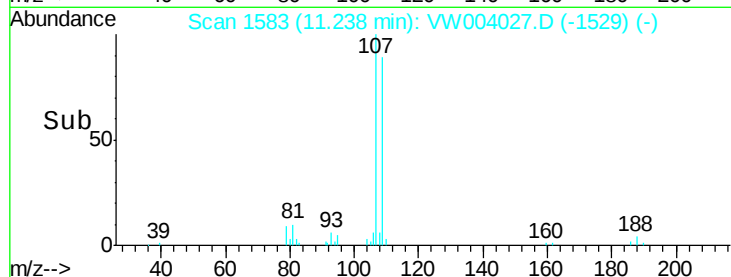
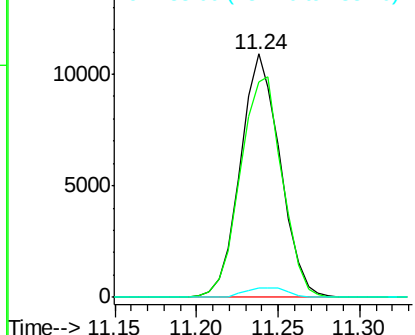
#51
1,2-Dibromoethane
Concen: 5.191 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW004027.D
Acq: 18 Jul 2018 20:00

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:107 Resp: 18532
Ion Ratio Lower Upper
107 100
109 88.7 65.2 121.0
188 3.8 2.9 4.3

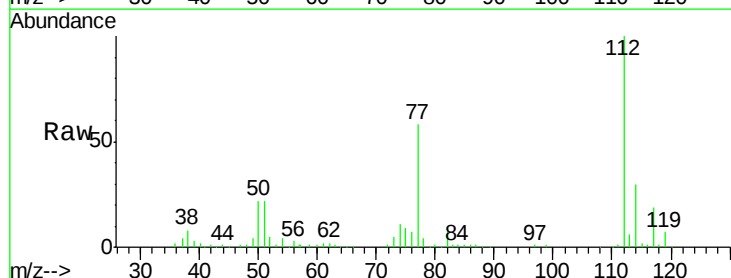


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

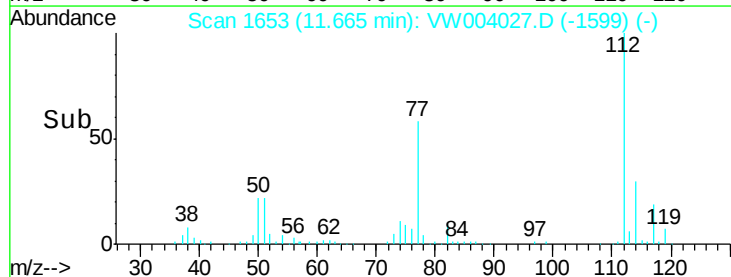
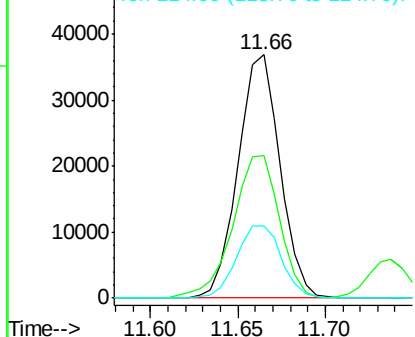


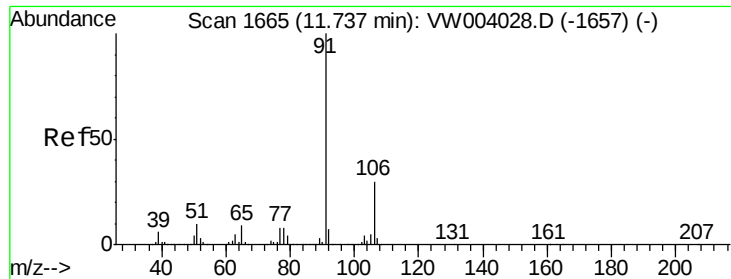
#52
Chlorobenzene
Concen: 5.299 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW004027.D
Acq: 18 Jul 2018 20:00

Tgt Ion:112 Resp: 61775
Ion Ratio Lower Upper
112 100
77 58.4 47.7 71.5
114 29.5 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

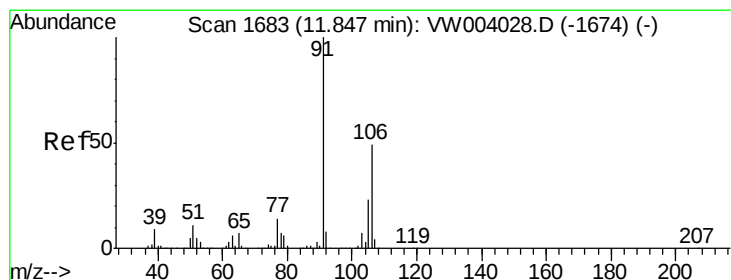
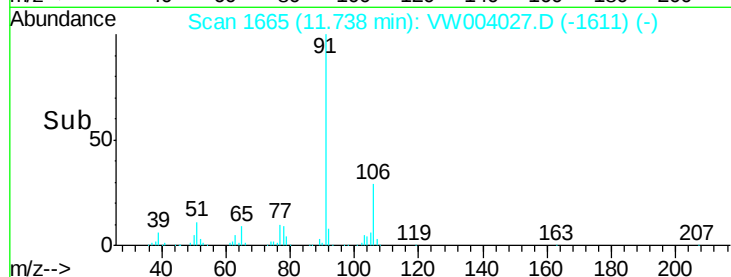
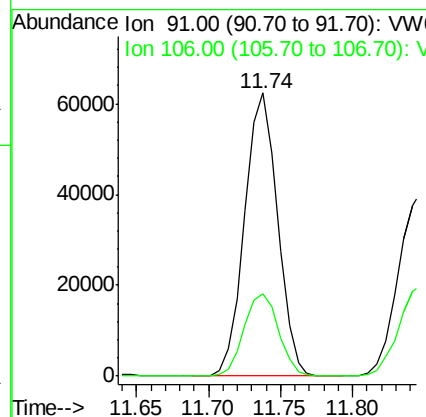
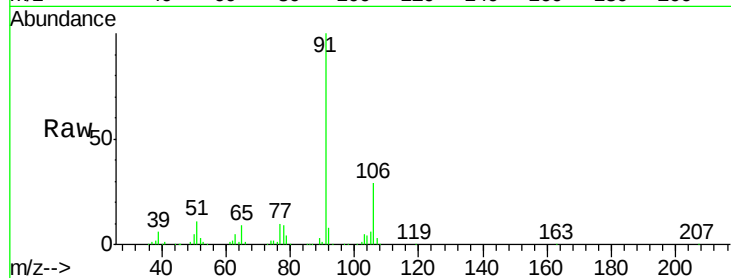




#53
Ethylbenzene
Concen: 5.038 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004027.D
Acq: 18 Jul 2018 20:00

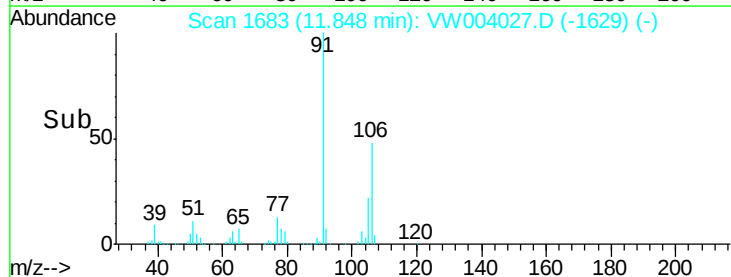
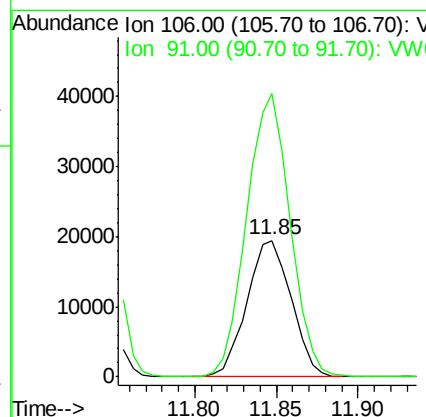
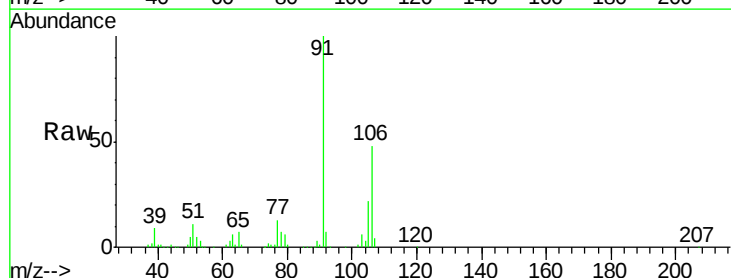
Instrument :
MSVOA_W
ClientSampleId :

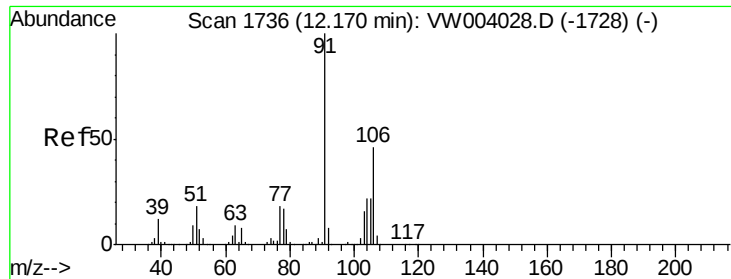
Tgt Ion: 91 Resp: 99153
Ion Ratio Lower Upper
91 100
106 29.2 21.3 39.5



#54
m,p-Xylene
Concen: 5.061 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004027.D
Acq: 18 Jul 2018 20:00

Tgt Ion: 106 Resp: 36707
Ion Ratio Lower Upper
106 100
91 206.9 142.1 263.9

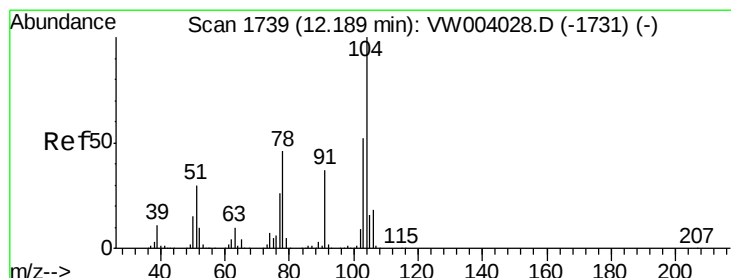
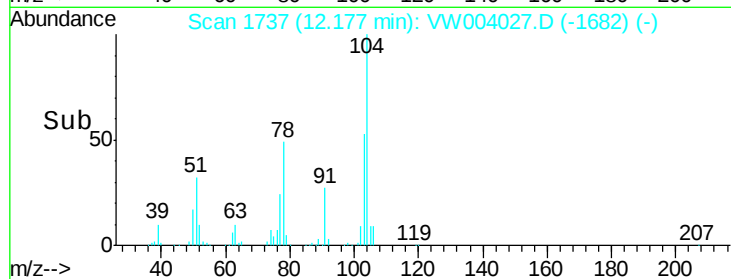
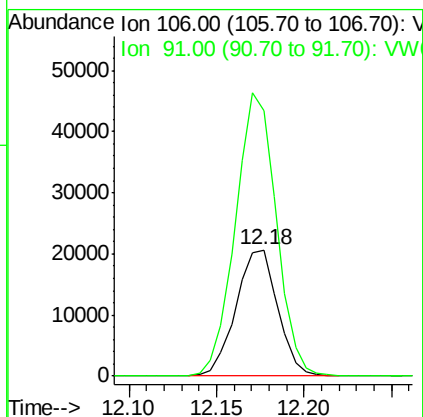
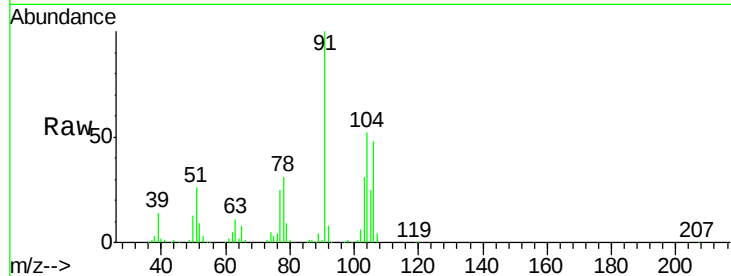




#55
o-xylene
Concen: 4.937 ug/L
RT: 12.18 min Scan# 1737
Delta R.T. 0.01 min
Lab File: VW004027.D
Acq: 18 Jul 2018 20:00

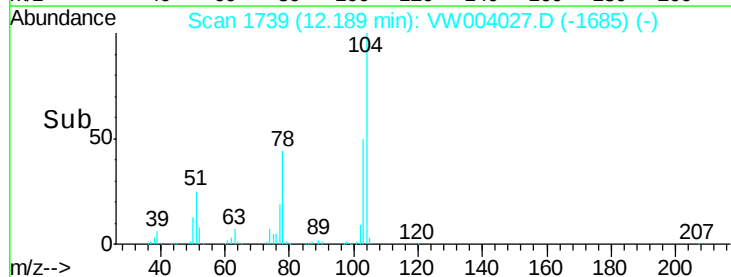
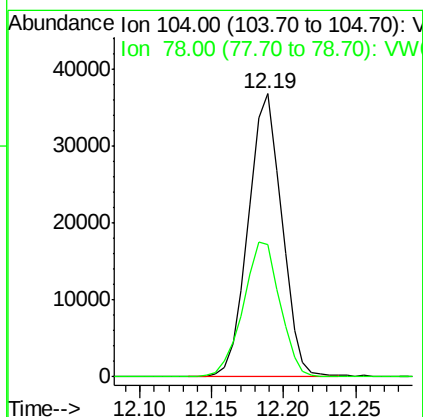
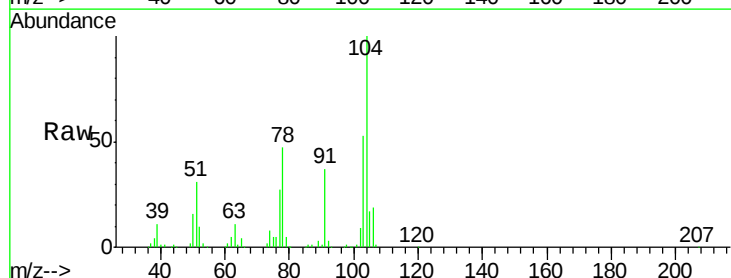
Instrument :
MSVOA_W
ClientSampleId :

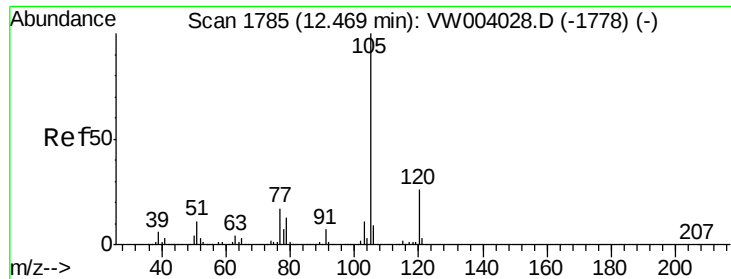
Tgt Ion:106 Resp: 34252
Ion Ratio Lower Upper
106 100
91 210.3 151.3 280.9



#56
Styrene
Concen: 4.963 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004027.D
Acq: 18 Jul 2018 20:00

Tgt Ion:104 Resp: 59484
Ion Ratio Lower Upper
104 100
78 46.9 32.2 59.8





#57

Isopropylbenzene

Concen: 4.942 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004027.D

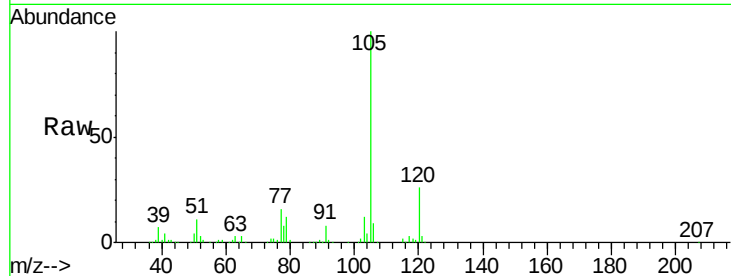
Acq: 18 Jul 2018 20:00

Instrument :

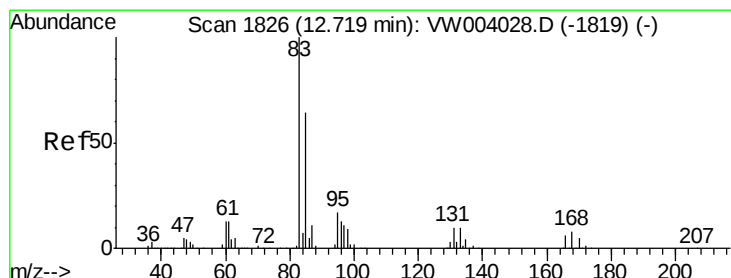
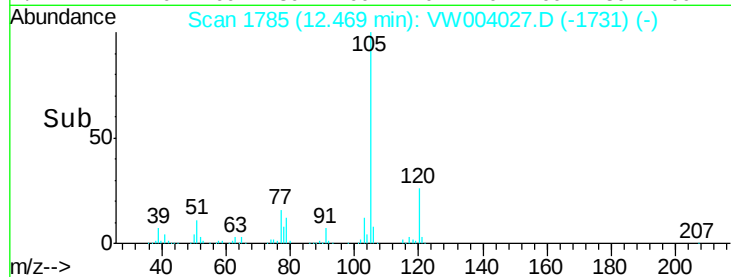
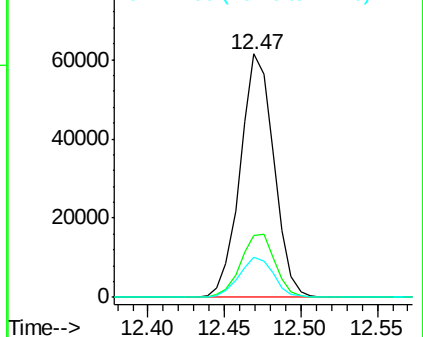
MSVOA_W

ClientSampleId :

Tgt Ion:	105	Resp:	94004
Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.0	31.4
77	16.9	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



#58

1,1,2,2-Tetrachloroethane

Concen: 5.299 ug/L

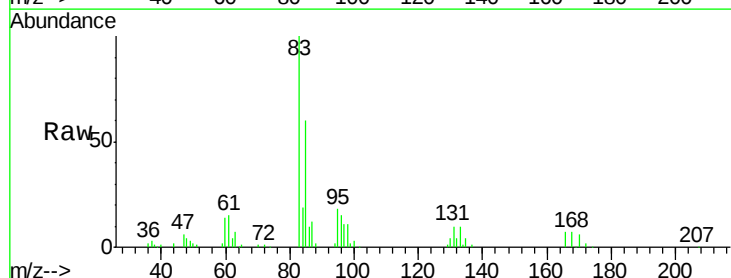
RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

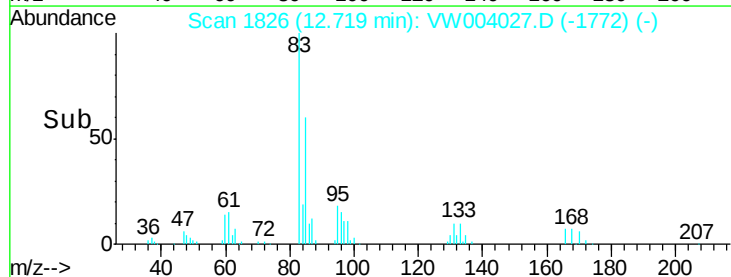
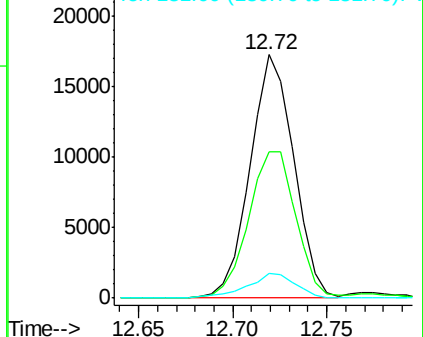
Lab File: VW004027.D

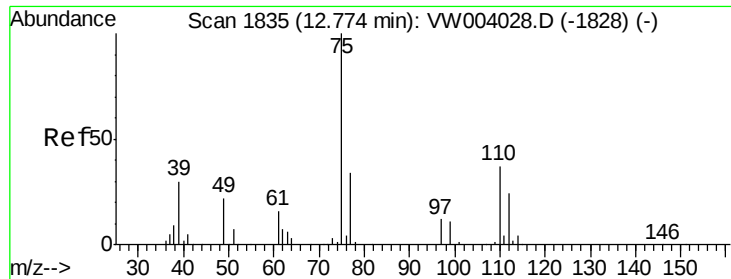
Acq: 18 Jul 2018 20:00

Tgt Ion:	83	Resp:	27689
Ion	Ratio	Lower	Upper
83	100		
85	60.2	44.7	83.1
131	10.0	7.8	11.6



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.320 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

Instrument :

MSVOA_W

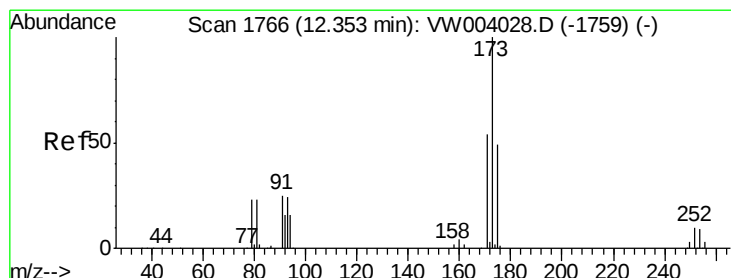
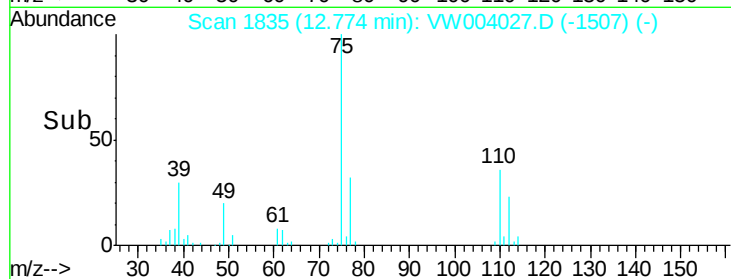
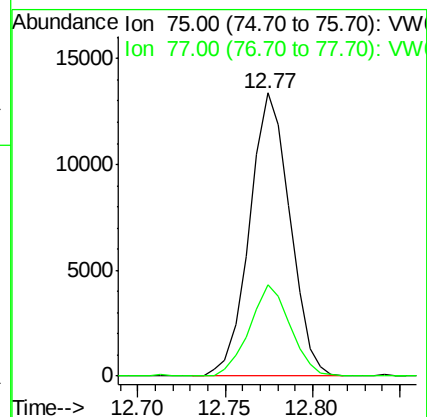
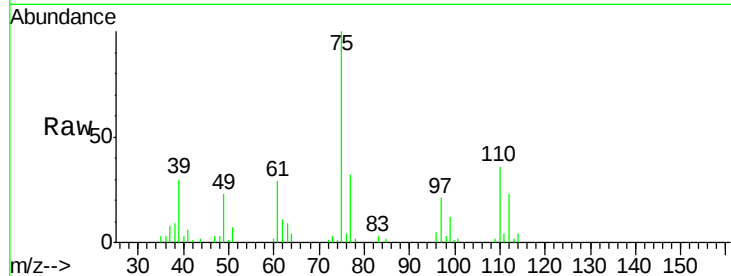
ClientSampled :

Tgt Ion: 75 Resp: 21518

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0



#62

Bromoform

Concen: 5.089 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

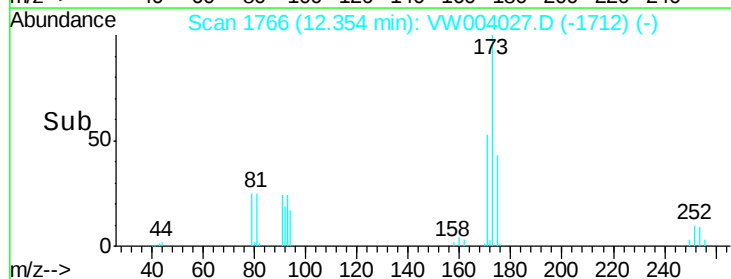
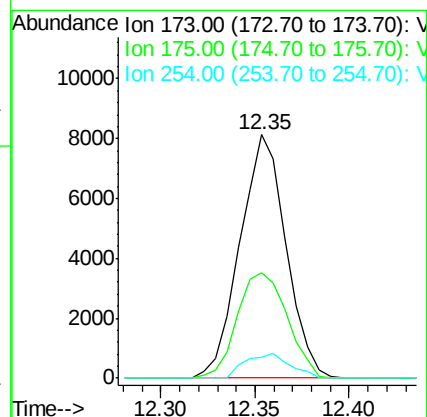
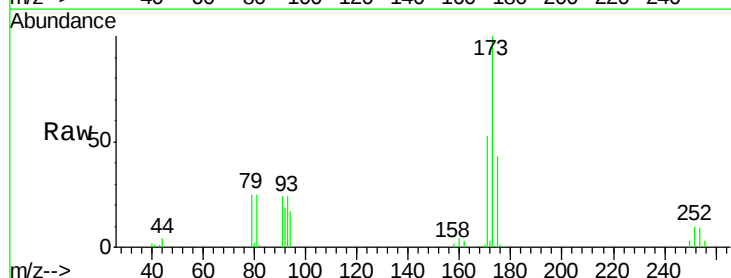
Tgt Ion: 173 Resp: 13753

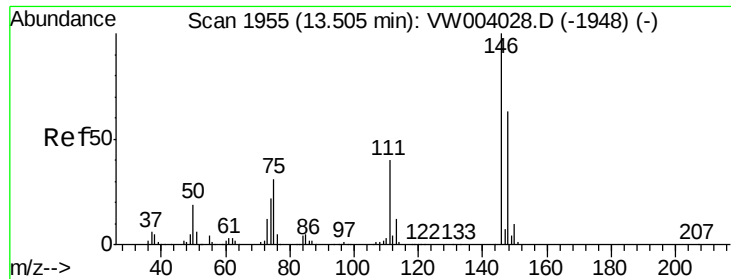
Ion Ratio Lower Upper

173 100

175 47.2 39.4 59.0

254 9.9 7.4 11.2

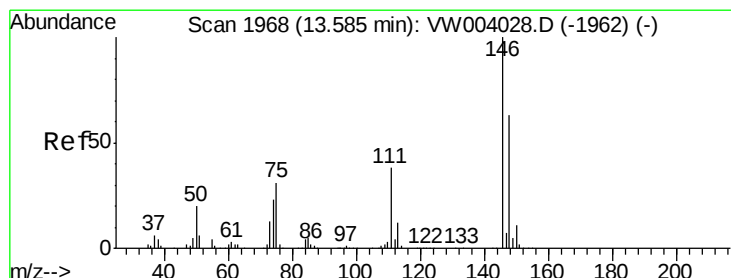
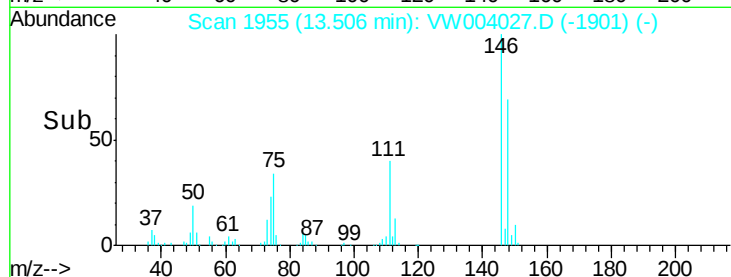
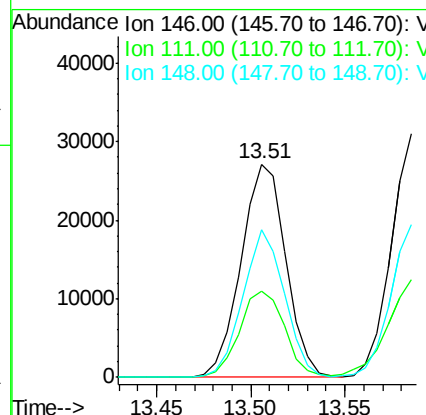
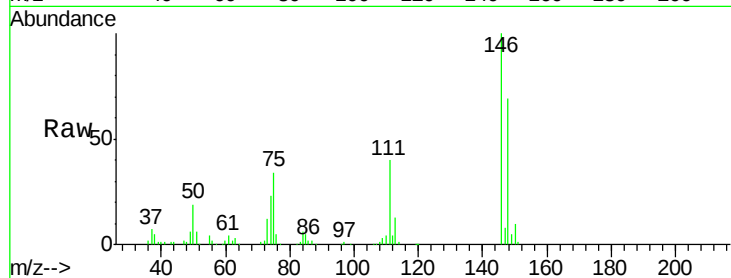




#63
 1,3-Dichlorobenzene
 Concen: 5.055 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004027.D
 Acq: 18 Jul 2018 20:00

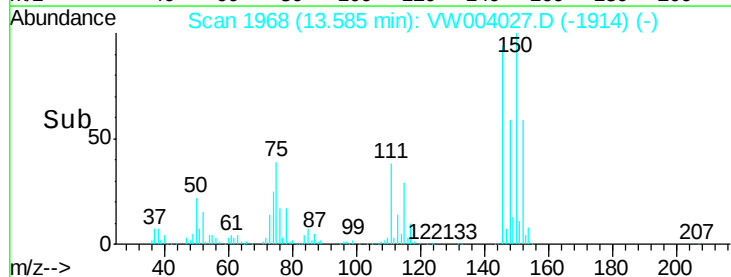
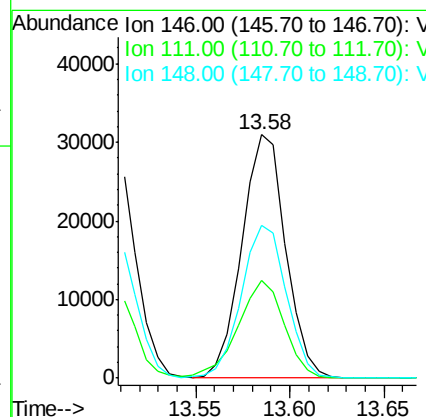
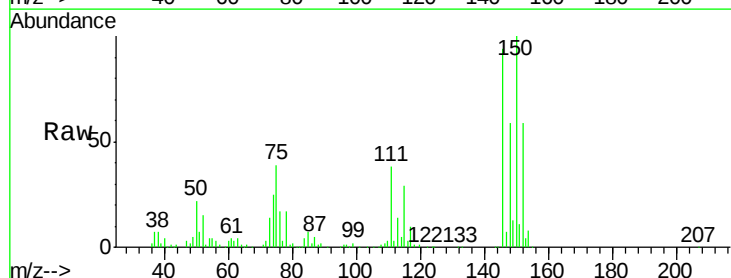
Instrument :
 MSVOA_W
 ClientSampleId :

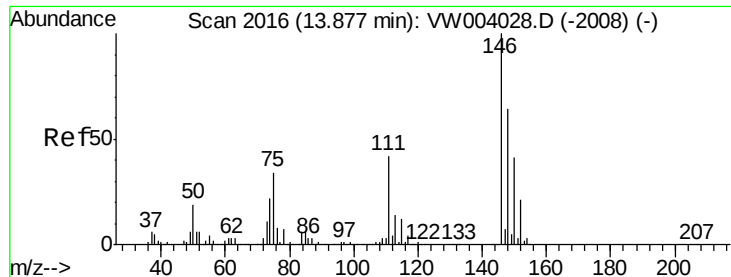
Tgt Ion:146 Resp: 44592
 Ion Ratio Lower Upper
 146 100
 111 40.4 27.9 51.7
 148 69.5 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 5.282 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004027.D
 Acq: 18 Jul 2018 20:00

Tgt Ion:146 Resp: 49957
 Ion Ratio Lower Upper
 146 100
 111 40.0 26.8 49.8
 148 62.5 44.3 82.3

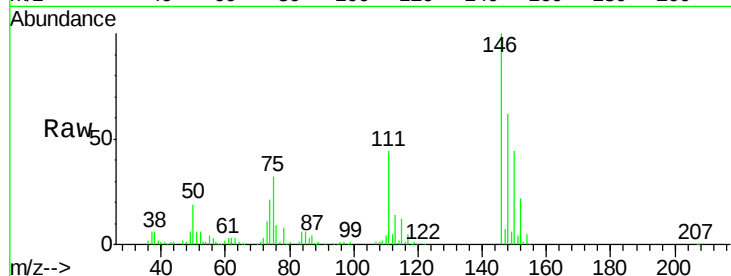




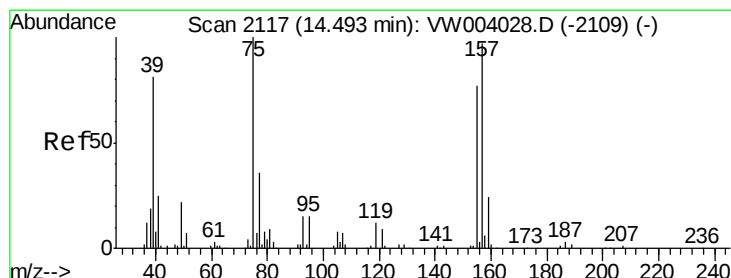
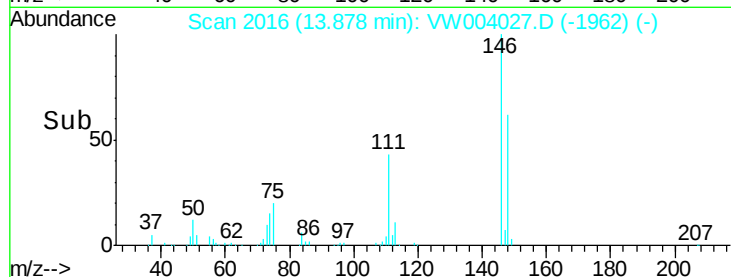
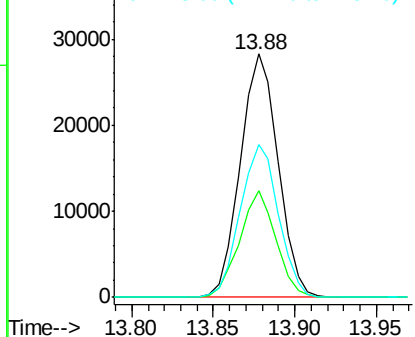
#65
 1,2-Dichlorobenzene
 Concen: 5.321 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004027.D
 Acq: 18 Jul 2018 20:00

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion: 146 Resp: 45739
 Ion Ratio Lower Upper
 146 100
 111 43.9 33.2 49.8
 148 62.5 51.0 76.4

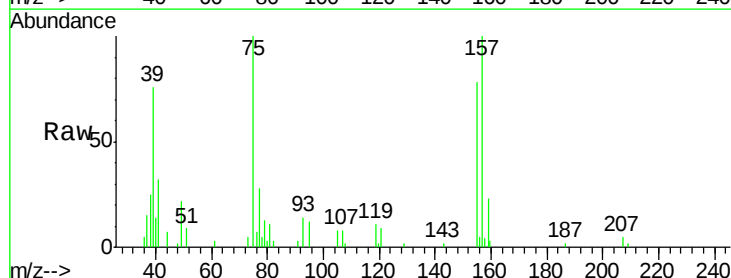


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

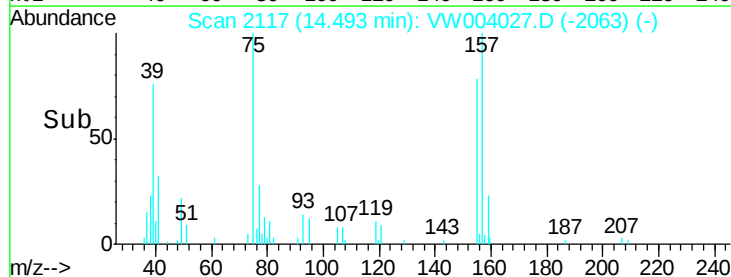
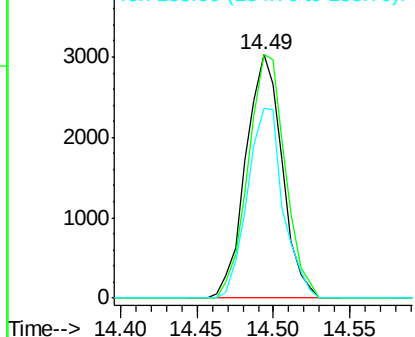


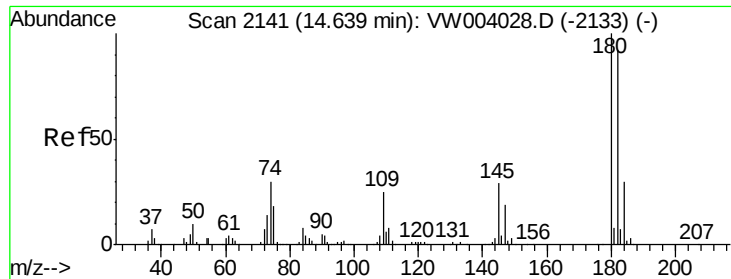
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.988 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004027.D
 Acq: 18 Jul 2018 20:00

Tgt Ion: 75 Resp: 4999
 Ion Ratio Lower Upper
 75 100
 157 99.8 77.9 116.9
 155 78.2 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

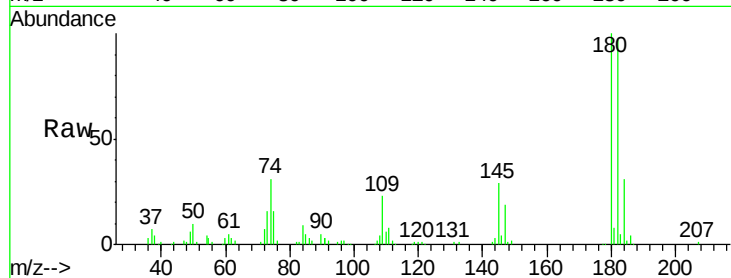




#67
 1,3,5-Trichlorobenzene
 Concen: 5.254 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004027.D
 Acq: 18 Jul 2018 20:00

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.5	113.3
184	31.1	24.0	36.0
145	29.2	23.3	34.9

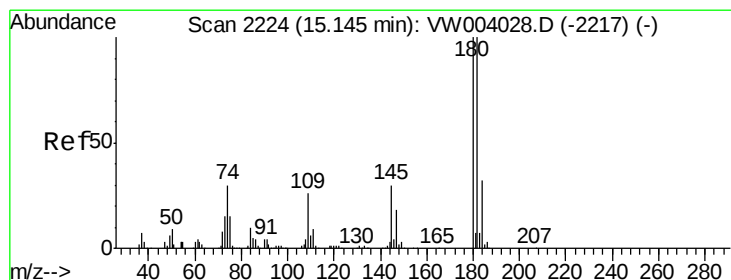
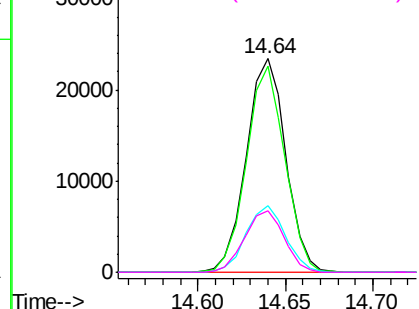
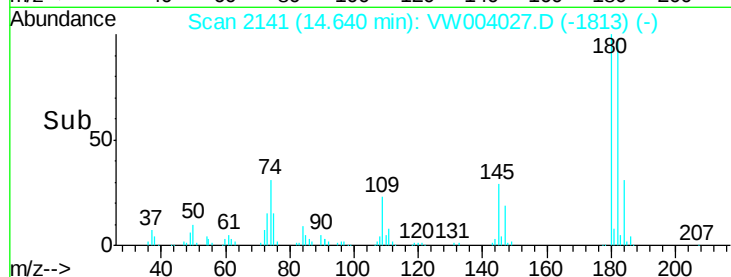


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

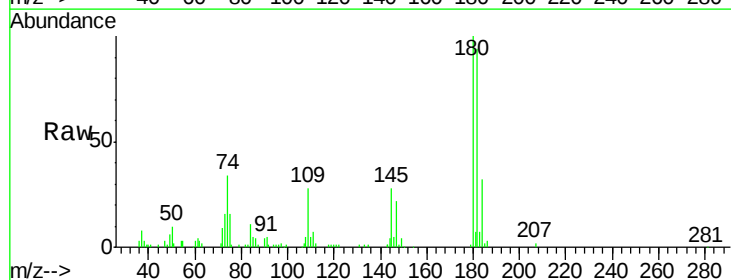
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.009 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004027.D
 Acq: 18 Jul 2018 20:00

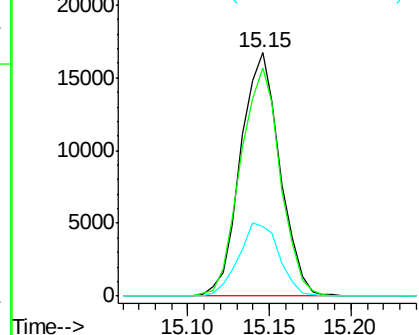
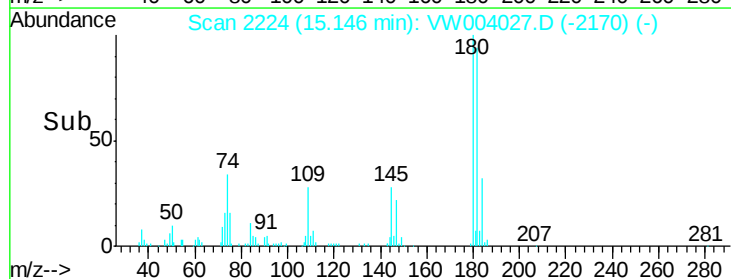
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.8	116.6
145	30.6	24.4	36.6

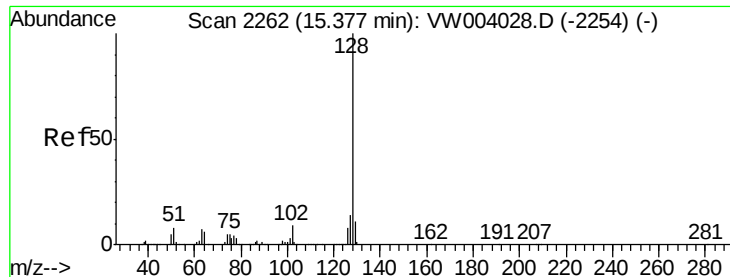


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 4.383 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

Instrument :

MSVOA_W

ClientSampleId :

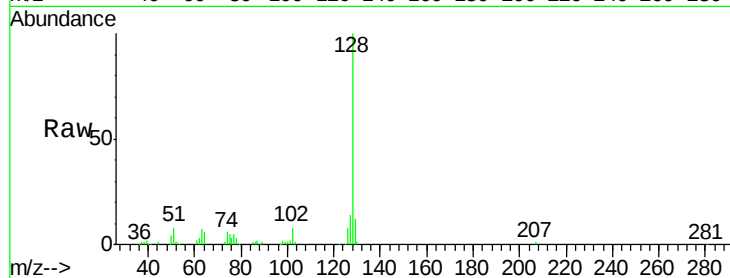
Tgt Ion:128 Resp: 55194

Ion Ratio Lower Upper

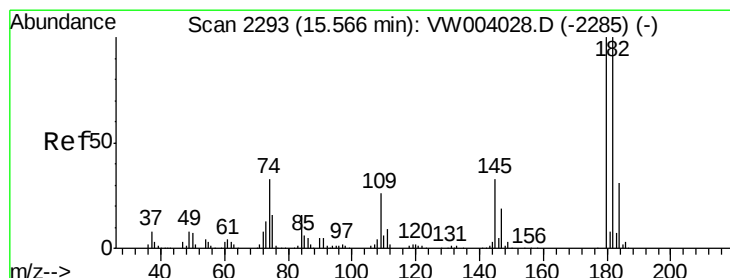
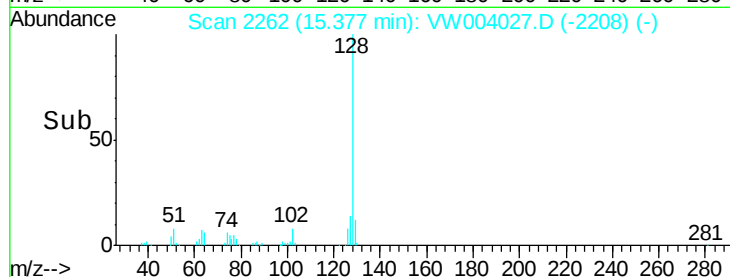
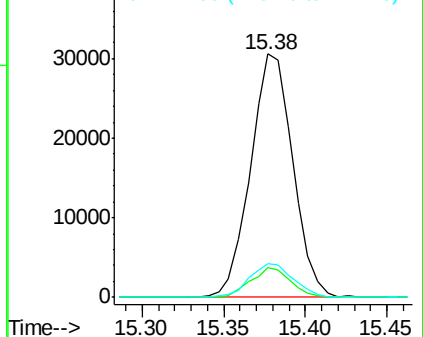
128 100

129 11.6 8.7 13.1

127 14.4 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: 5.149 ug/L

RT: 15.57 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VW004027.D

Acq: 18 Jul 2018 20:00

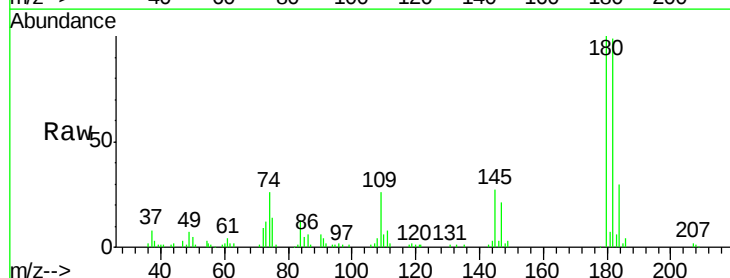
Tgt Ion:180 Resp: 27403

Ion Ratio Lower Upper

180 100

182 97.5 76.6 115.0

145 30.4 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

