

Data File : VW010178.D
Acq On : 29 Apr 2019 12:15
Operator : SY/VA
Sample : VSTD05029
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05029

Quant Time: Apr 29 12:57:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 29 12:50:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	703388	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	658464	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	331630	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	362736	53.95	ug/L	0.00
7) Chloroethane-d5	2.89	69	318070	57.25	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	834788	42.30	ug/L	0.00
20) 2-Butanone-d5	7.07	46	300822	94.74	ug/L	0.00
24) Chloroform-d	7.65	84	871328	46.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	498457	45.52	ug/L	0.00
29) Benzene-d6	8.27	84	1685726	45.20	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	527809	45.40	ug/L	0.00
37) Toluene-d8	10.32	98	1550388	45.77	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	248749	46.43	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	255245	104.48	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	453702	47.01	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	572823	46.65	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	530053	56.016	ug/L	98
3) Chloromethane	2.21	50	426546	57.597	ug/L	98
5) Vinyl chloride	2.37	62	494365	59.088	ug/L	98
6) Bromomethane	2.78	94	292343	57.300	ug/L	99
8) Chloroethane	2.92	64	296872	58.673	ug/L	96
9) Trichlorofluoromethane	3.25	101	280665	61.615	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	418099	47.283	ug/L	98
12) 1,1-Dichloroethene	4.03	96	425112	46.641	ug/L	96
13) Acetone	4.12	43	210957	88.037	ug/L	99
14) Carbon disulfide	4.37	76	1243002	47.051	ug/L	98
15) Methyl Acetate	4.67	43	251218	44.311	ug/L	99
16) Methylene chloride	4.91	84	449019	45.545	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	572150	47.556	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	454833	46.982	ug/L	99
19) 1,1-Dichloroethane	6.21	63	834032	45.519	ug/L	99
21) 2-Butanone	7.17	43	342371	92.145	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	508436	49.049	ug/L	99
23) Bromochloromethane	7.51	128	227864	50.051	ug/L	97
25) Chloroform	7.67	83	859362	47.507	ug/L	99
27) 1,2-Dichloroethane	8.40	62	604211	45.326	ug/L	97
30) Cyclohexane	7.95	56	792296	46.356	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	685318	48.393	ug/L	99
32) Carbon tetrachloride	8.06	117	685656	48.905	ug/L	99
34) Benzene	8.32	78	1859132	46.418	ug/L	100
35) Trichloroethene	9.09	95	488560	46.252	ug/L	100
36) Methylcyclohexane	9.34	83	852444	48.155	ug/L	99
40) 1,2-Dichloropropane	9.37	63	483286	46.758	ug/L	99
41) Bromodichloromethane	9.64	83	642002	48.066	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	789427	49.111	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	730304	91.705	ug/L	100

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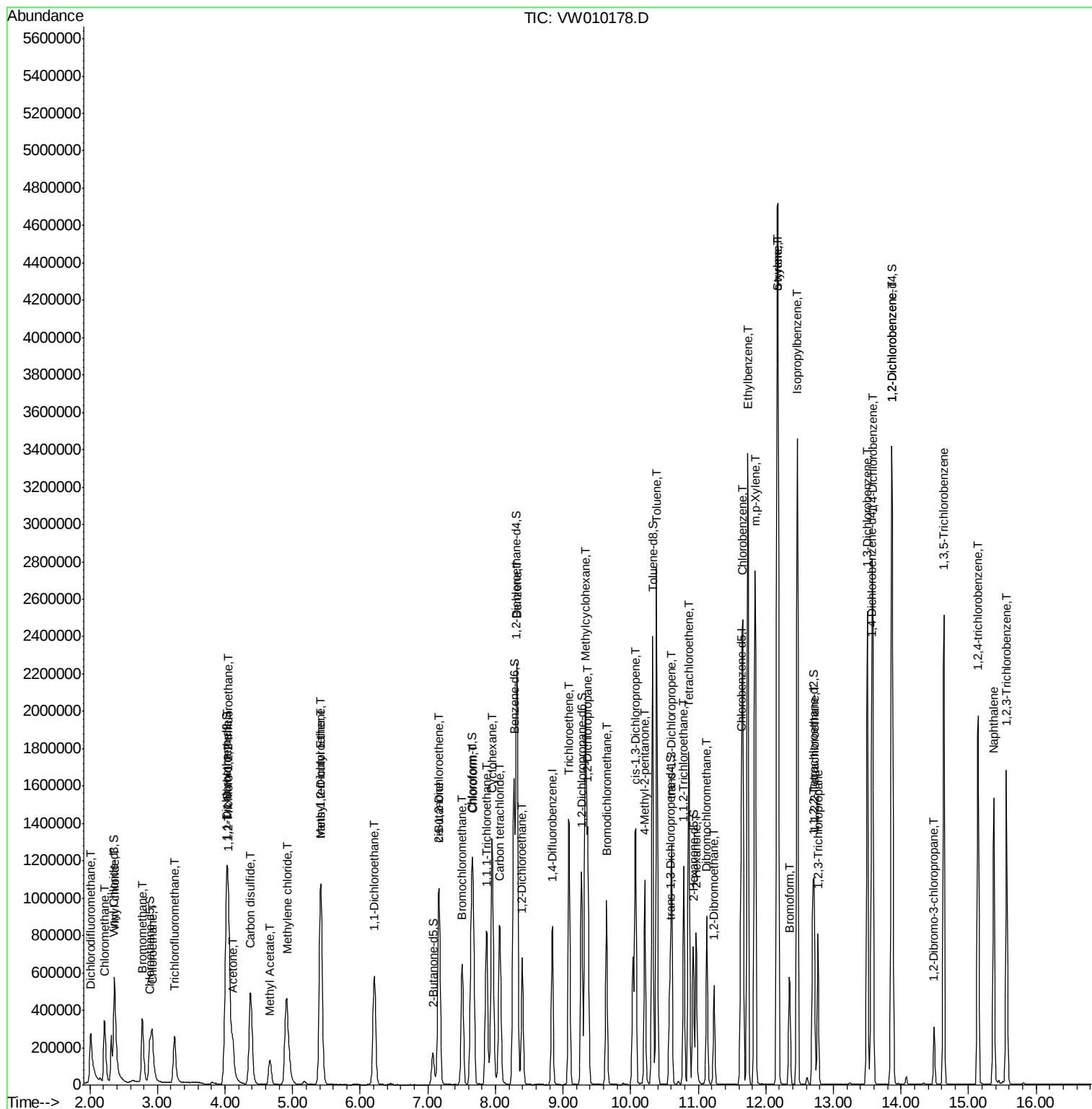
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	2012025	47.456	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	683340	49.264	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	364445	48.600	ug/L	99
47) Tetrachloroethene	10.86	164	405398	50.297	ug/L	95
49) 2-Hexanone	10.97	43	516736	91.805	ug/L	99
50) Dibromochloromethane	11.13	129	463124	51.542	ug/L	95
51) 1,2-Dibromoethane	11.24	107	361483	48.511	ug/L	97
52) Chlorobenzene	11.66	112	1288666	48.037	ug/L	98
53) Ethylbenzene	11.73	91	2300434	48.342	ug/L	100
54) m,p-Xylene	11.84	106	870437	49.451	ug/L	97
55) o-xylene	12.16	106	828831	49.656	ug/L	96
56) Styrene	12.18	104	1444399	50.881	ug/L	98
57) Isopropylbenzene	12.47	105	2253186	49.613	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	449857	47.363	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	333344	46.377	ug/L	99
62) Bromoform	12.35	173	270074	49.015	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	1019483	48.316	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1031954	47.128	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	945536	48.448	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	79405	43.771	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	778183	50.292	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	638919	50.752	ug/L	100
69) Naphthalene	15.37	128	1312784	42.225	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	577052	48.956	ug/L	100

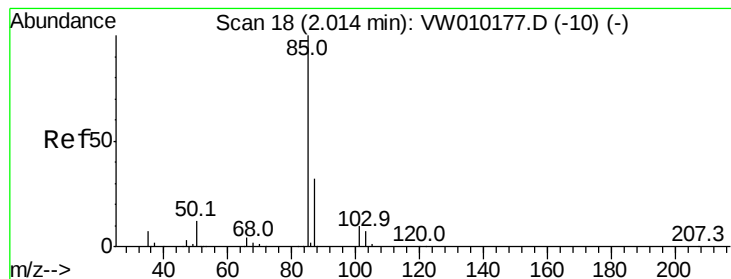
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 56.016 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

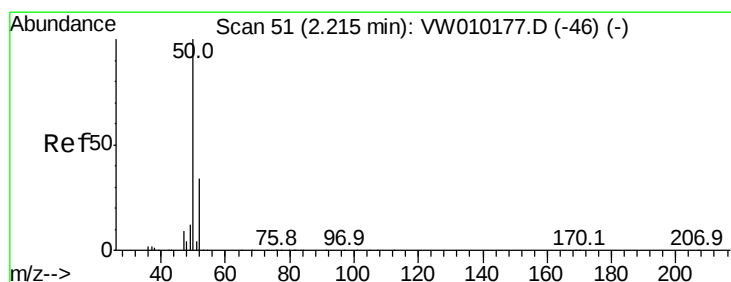
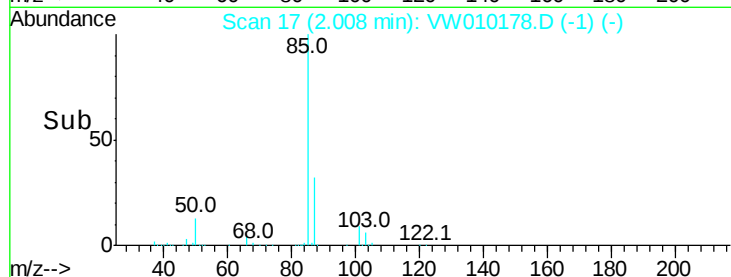
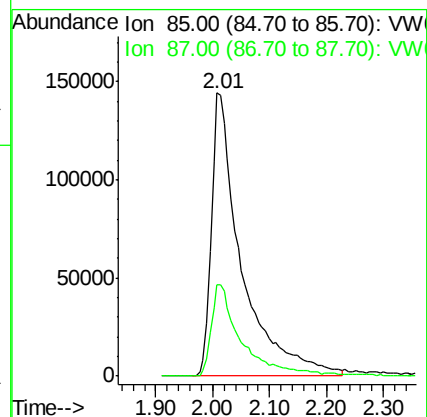
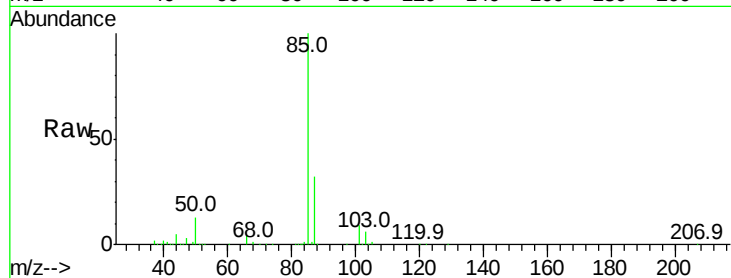
VSTD05029

Tgt Ion: 85 Resp: 530053

Ion Ratio Lower Upper

85 100

87 28.5 20.6 38.2



#3

Chloromethane

Concen: 57.597 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010178.D

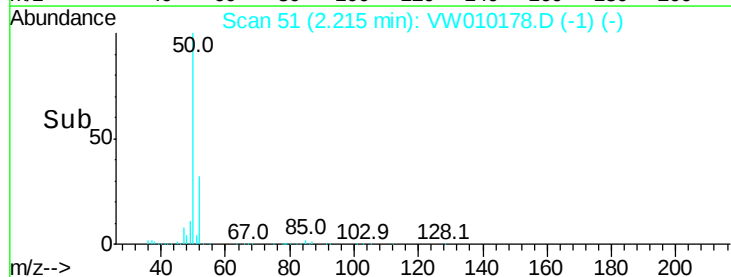
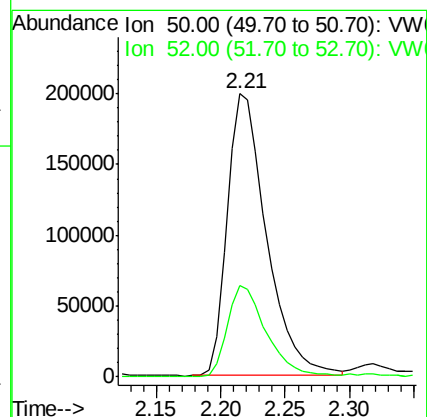
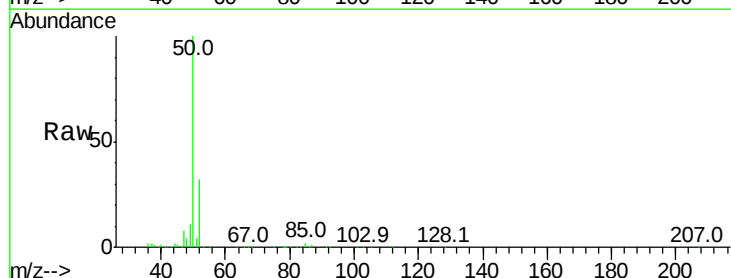
Acq: 29 Apr 2019 12:15

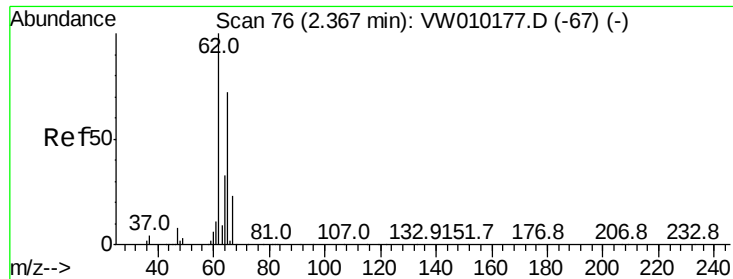
Tgt Ion: 50 Resp: 426546

Ion Ratio Lower Upper

50 100

52 32.4 23.6 43.8





#5

Vinyl chloride

Concen: 59.088 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

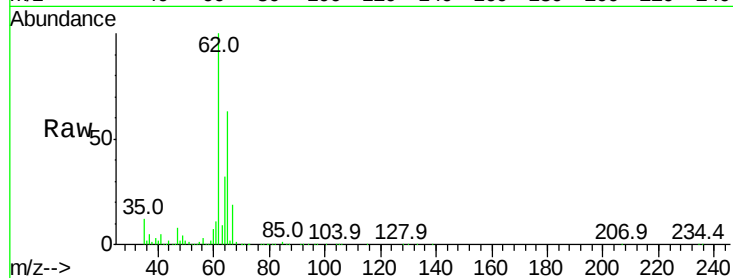
VSTD05029

Tgt Ion: 62 Resp: 494365

Ion Ratio Lower Upper

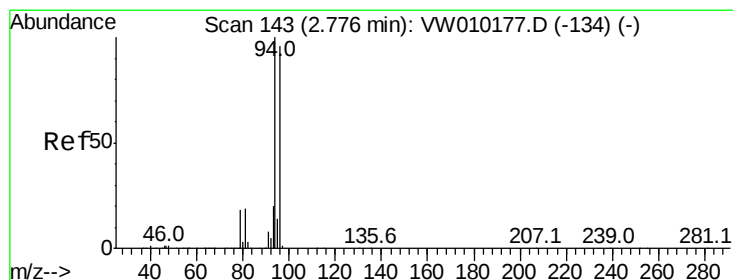
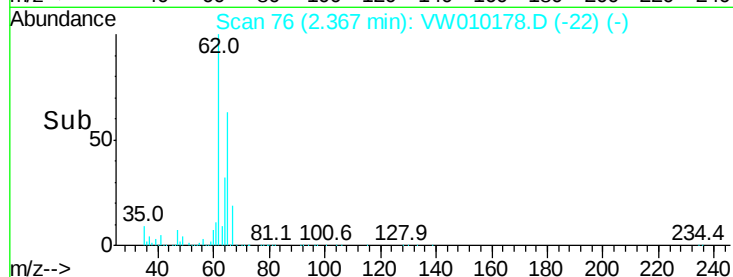
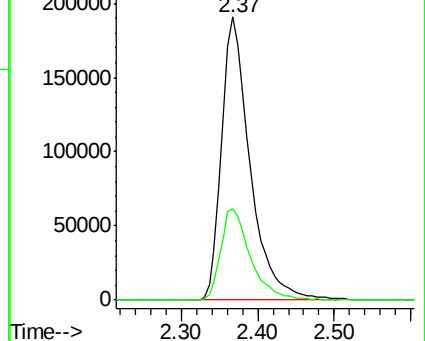
62 100

64 32.3 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 57.300 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010178.D

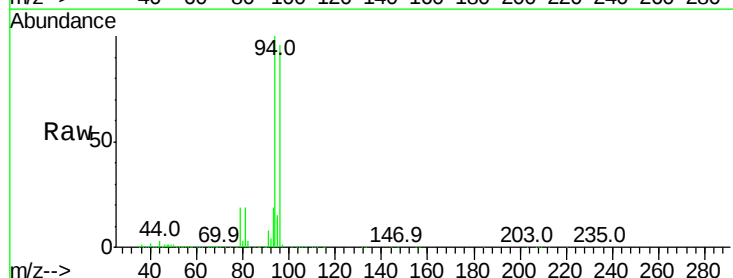
Acq: 29 Apr 2019 12:15

Tgt Ion: 94 Resp: 292343

Ion Ratio Lower Upper

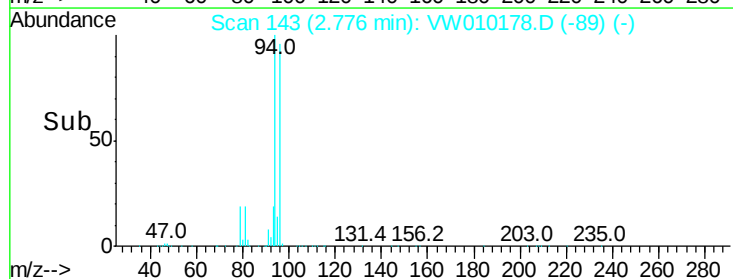
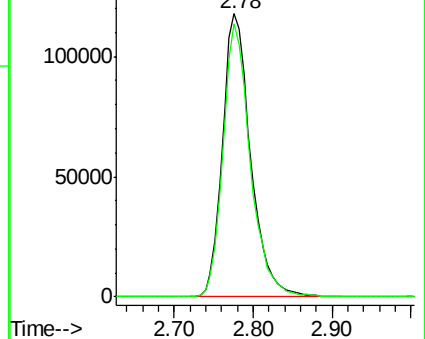
94 100

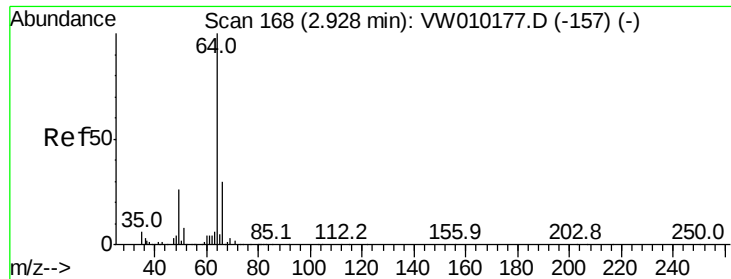
96 93.4 9.5 180.3



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

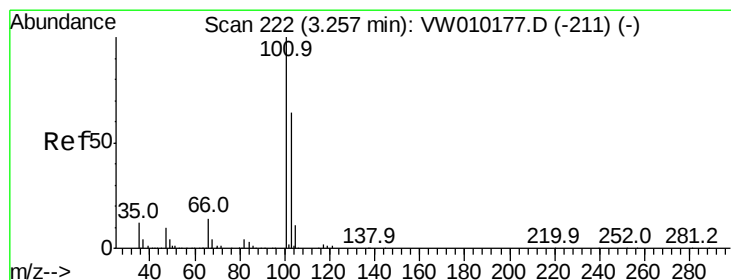
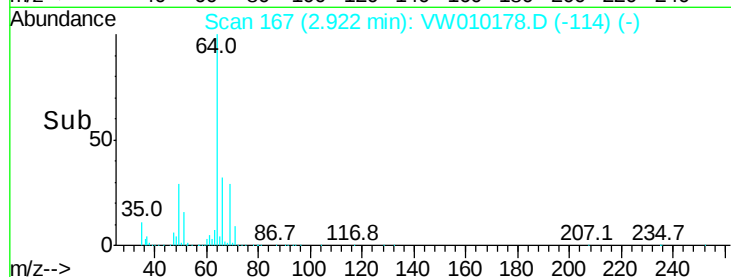
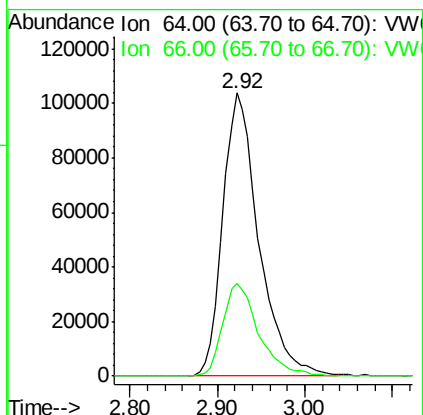
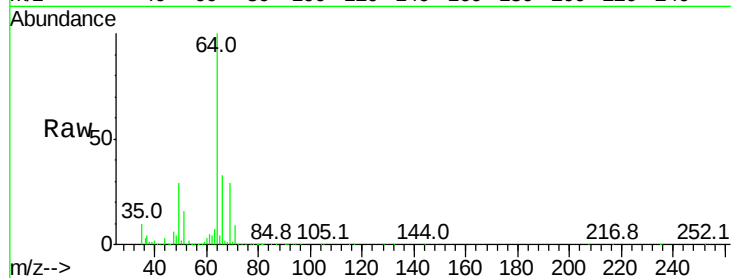




#8
Chloroethane
Concen: 58.673 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW010178.D
Acq: 29 Apr 2019 12:15

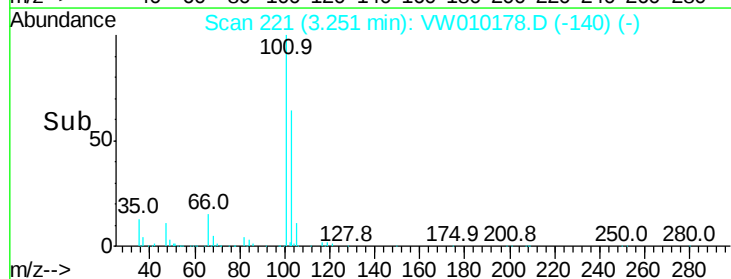
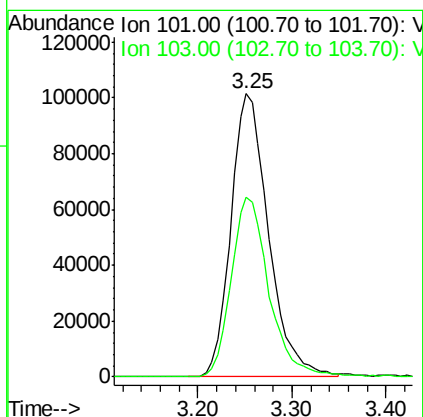
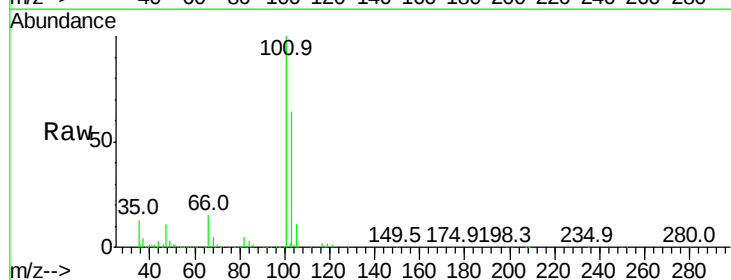
Instrument :
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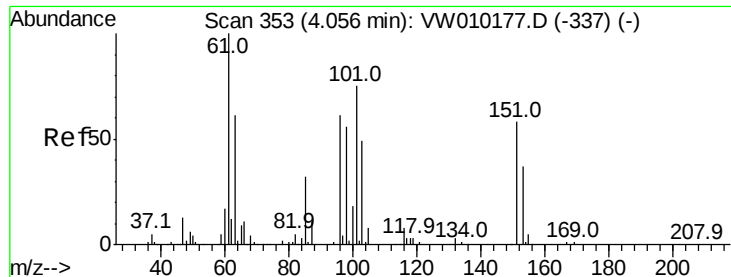
Tgt Ion: 64 Resp: 296872
Ion Ratio Lower Upper
64 100
66 32.6 21.3 39.5



#9
Trichlorofluoromethane
Concen: 61.615 ug/L
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW010178.D
Acq: 29 Apr 2019 12:15

Tgt Ion: 101 Resp: 280665
Ion Ratio Lower Upper
101 100
103 63.3 45.5 84.5





#11

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

Concen: 47.283 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05029

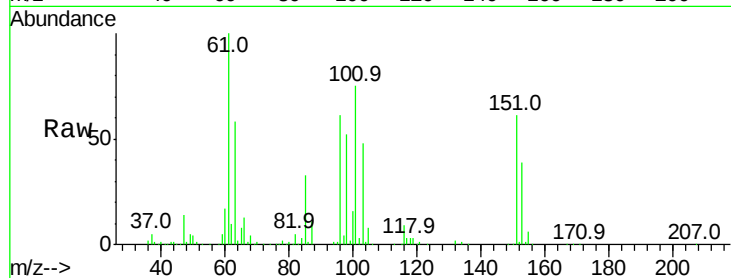
Tgt Ion:101 Resp: 418099

Ion Ratio Lower Upper

101 100

85 41.9 33.8 50.6

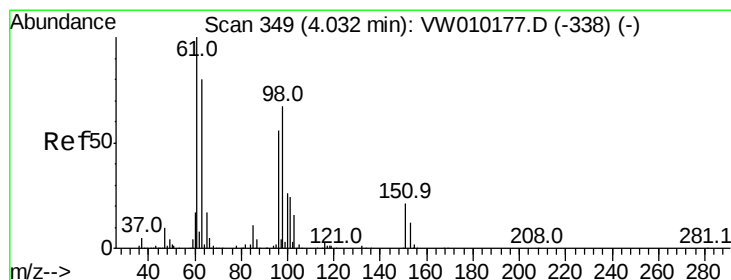
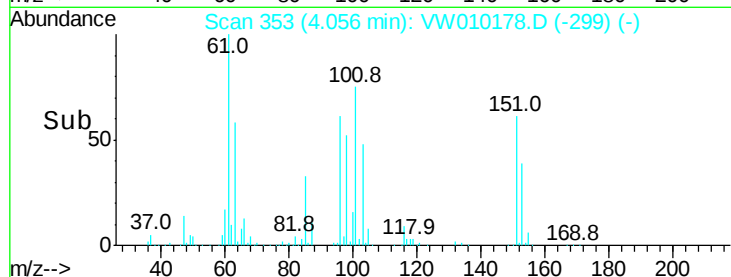
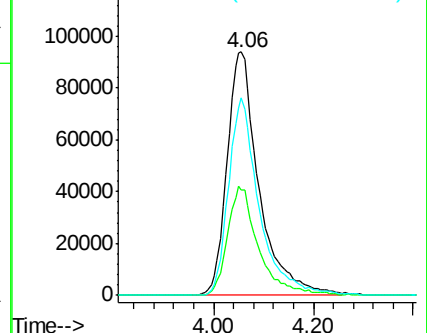
151 76.0 62.6 93.8



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: 46.641 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

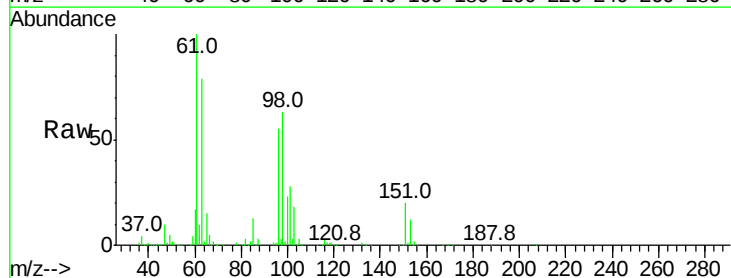
Tgt Ion: 96 Resp: 425112

Ion Ratio Lower Upper

96 100

61 182.4 125.2 232.6

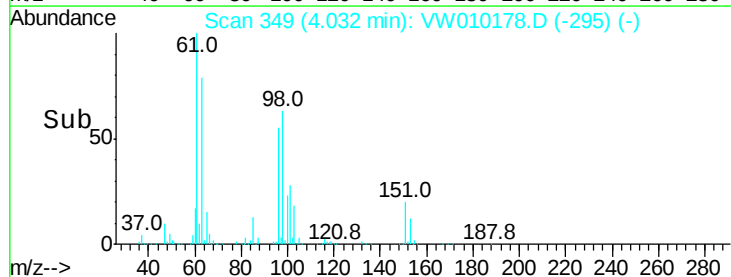
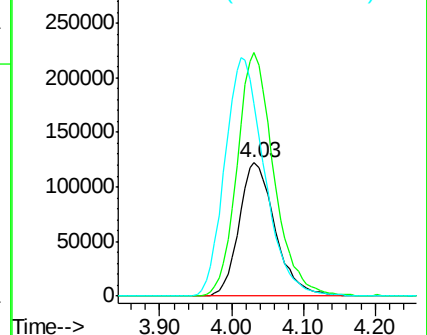
63 144.3 106.3 197.3

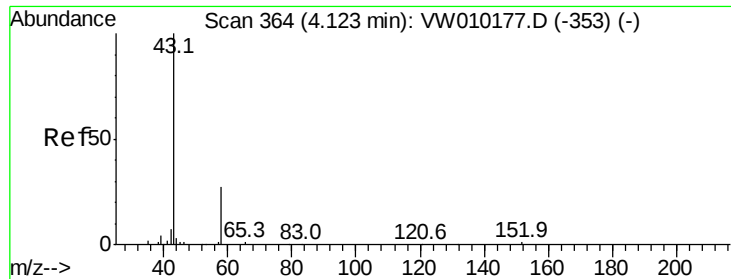


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 88.037 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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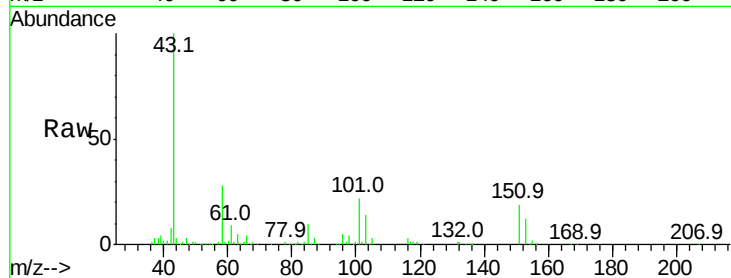
VSTD05029

Tgt Ion: 43 Resp: 210957

Ion Ratio Lower Upper

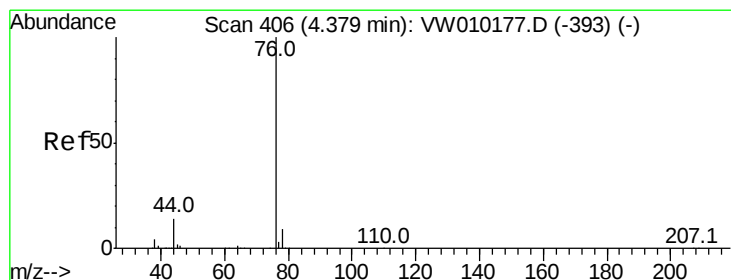
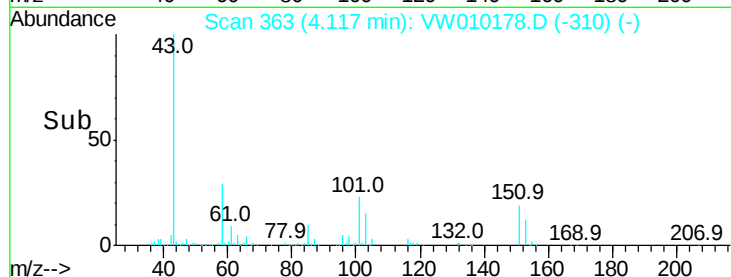
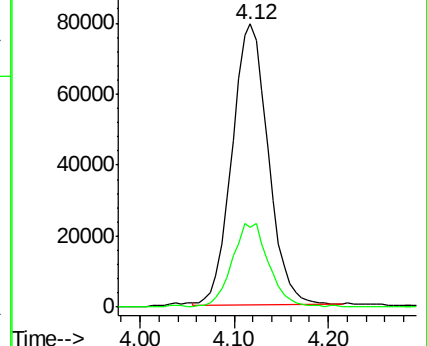
43 100

58 30.2 0.0 59.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 47.051 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010178.D

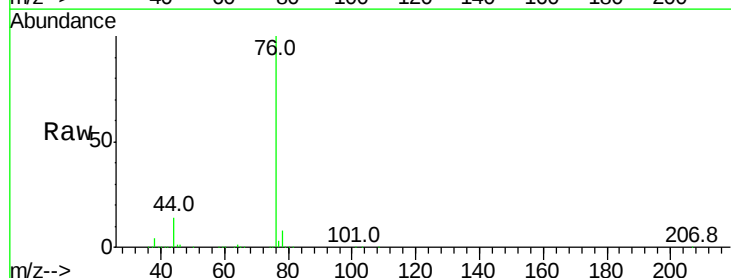
Acq: 29 Apr 2019 12:15

Tgt Ion: 76 Resp: 1243002

Ion Ratio Lower Upper

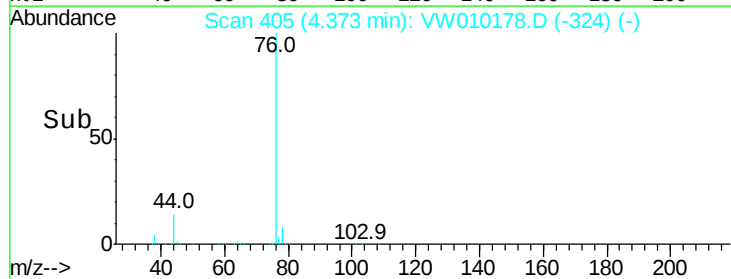
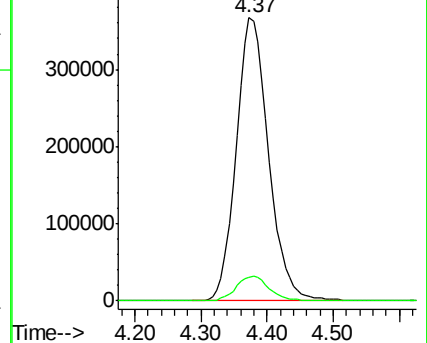
76 100

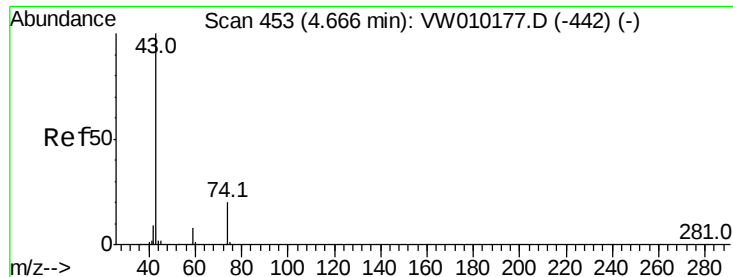
78 8.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 44.311 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

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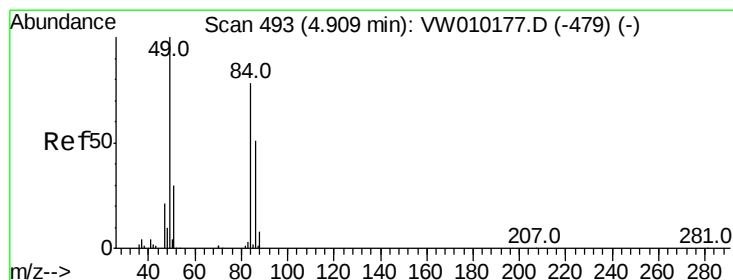
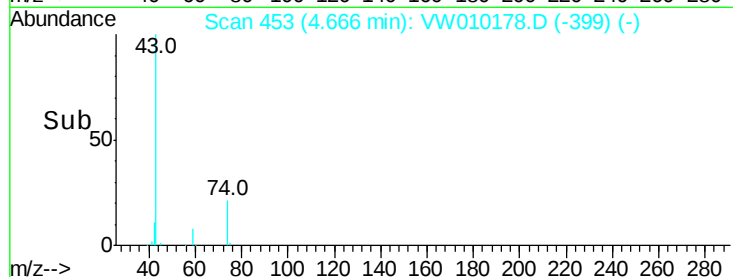
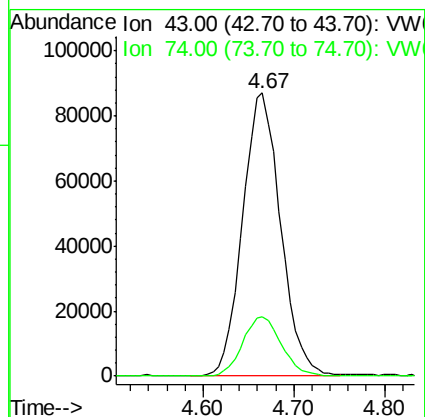
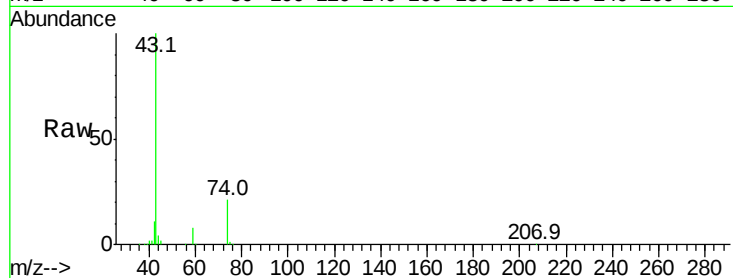
VSTD05029

Tgt Ion: 43 Resp: 251218

Ion Ratio Lower Upper

43 100

74 21.5 17.5 26.3



#16

Methylene chloride

Concen: 45.545 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

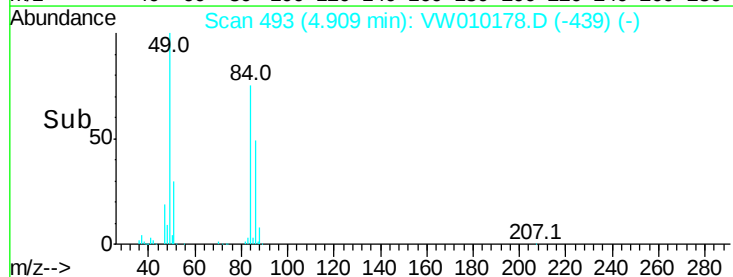
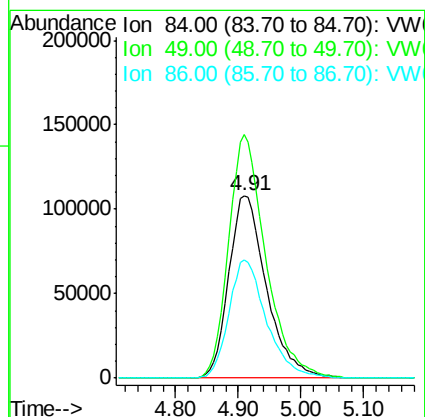
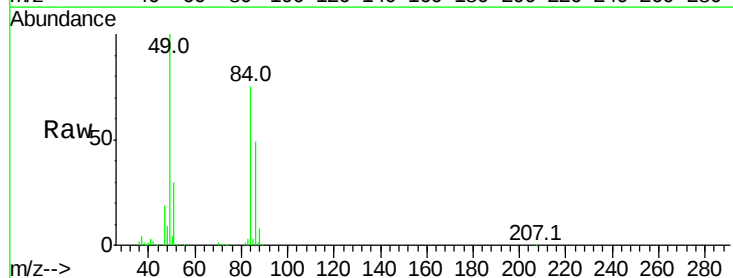
Tgt Ion: 84 Resp: 449019

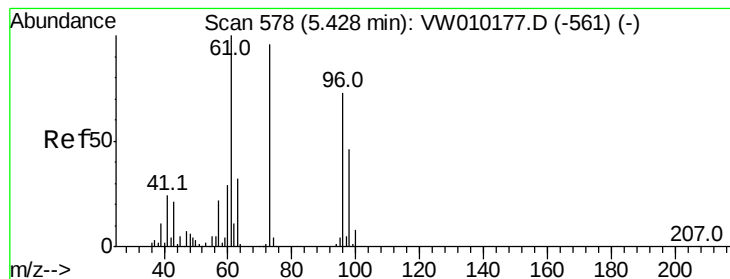
Ion Ratio Lower Upper

84 100

49 133.6 90.2 167.6

86 64.9 46.3 86.1





#17

Methyl tert-butyl Ether

Concen: 47.556 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05029

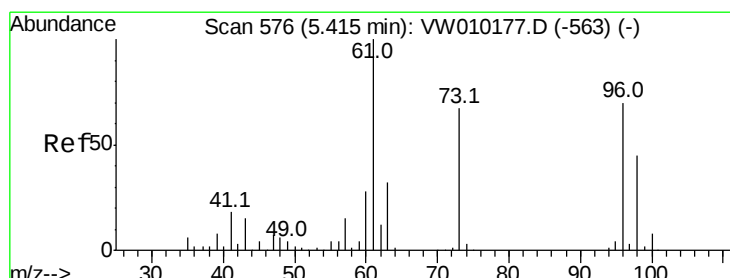
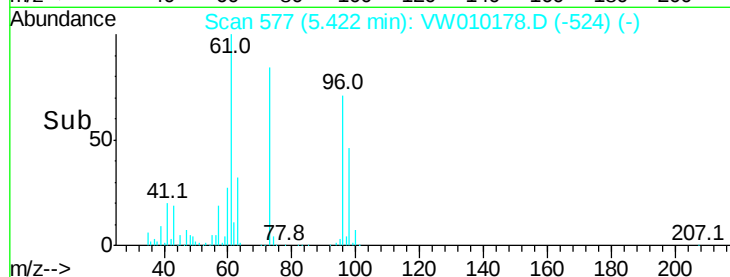
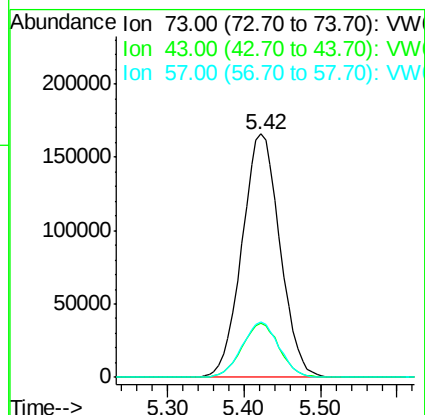
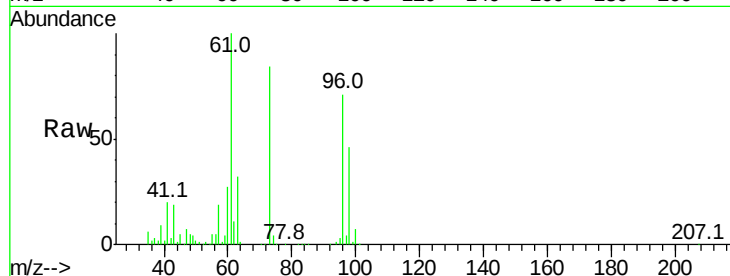
Tgt Ion: 73 Resp: 572150

Ion Ratio Lower Upper

73 100

43 21.9 17.5 26.3

57 22.4 17.8 26.6



#18

trans-1,2-Dichloroethene

Concen: 46.982 ug/L

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

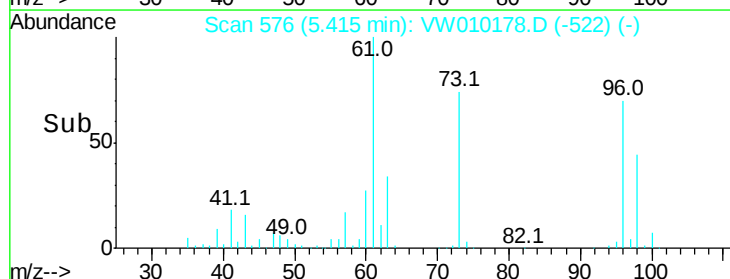
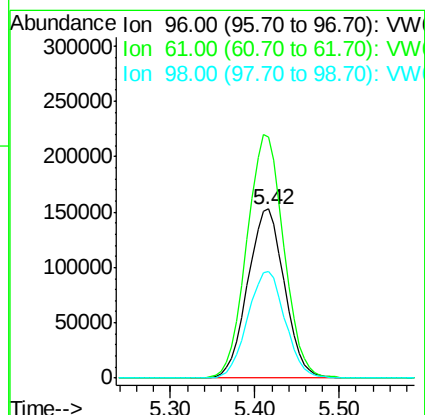
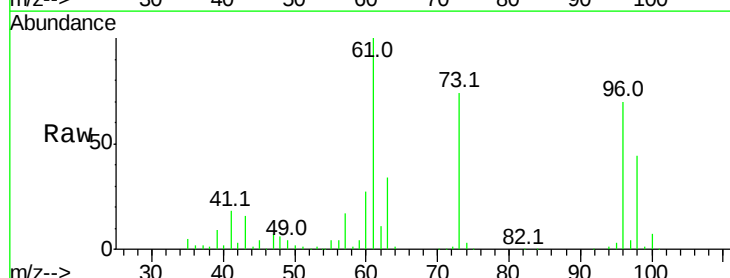
Tgt Ion: 96 Resp: 454833

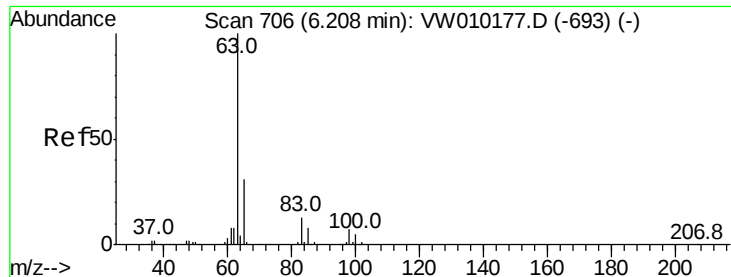
Ion Ratio Lower Upper

96 100

61 142.7 99.4 184.6

98 63.4 44.8 83.2





#19

1,1-Dichloroethane

Concen: 45.519 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05029

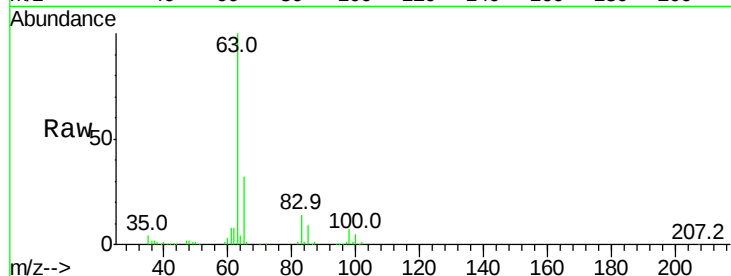
Tgt Ion: 63 Resp: 834032

Ion Ratio Lower Upper

63 100

65 31.7 22.0 40.8

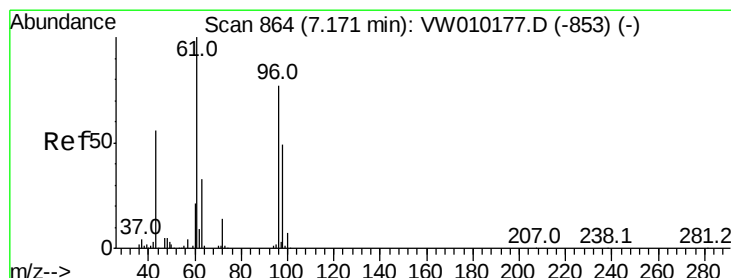
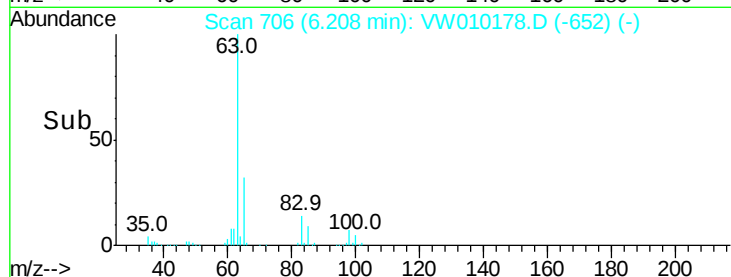
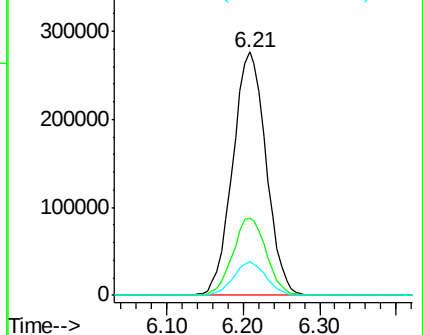
83 13.7 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 92.145 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010178.D

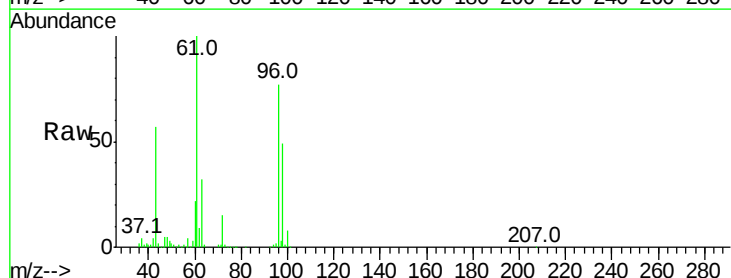
Acq: 29 Apr 2019 12:15

Tgt Ion: 43 Resp: 342371

Ion Ratio Lower Upper

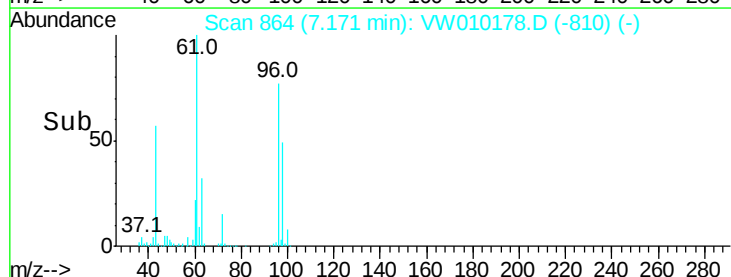
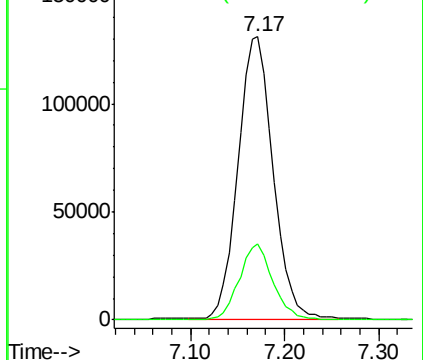
43 100

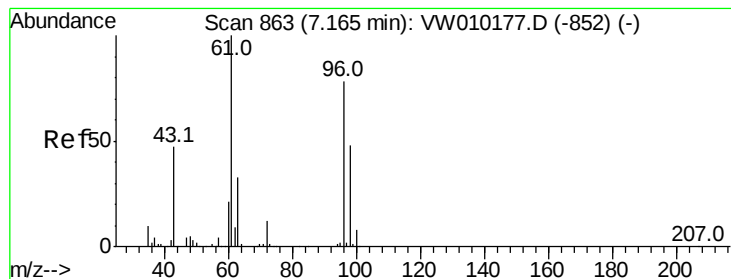
72 25.7 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



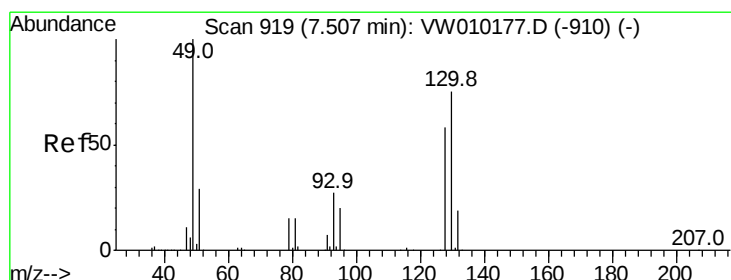
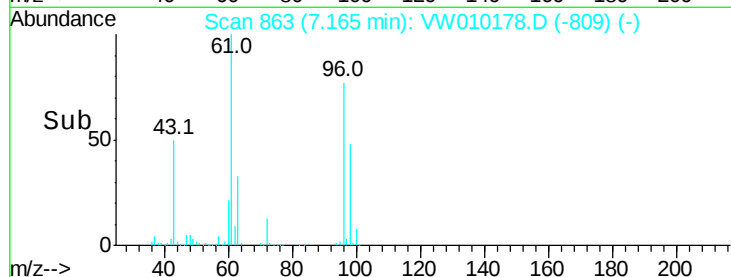
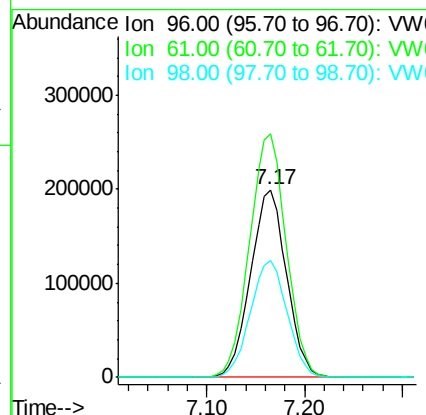
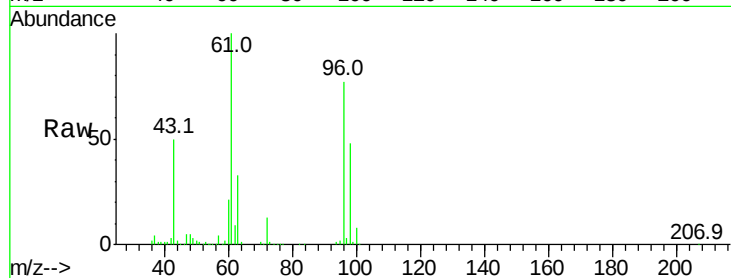


#22

cis-1,2-Dichloroethene
Concen: 49.049 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010178.D
Acq: 29 Apr 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VSTD05029

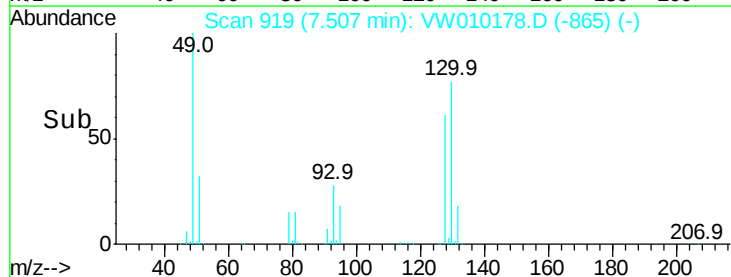
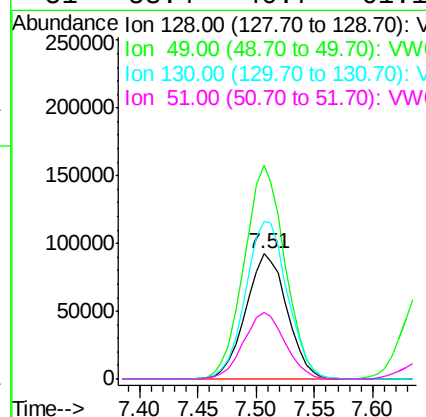
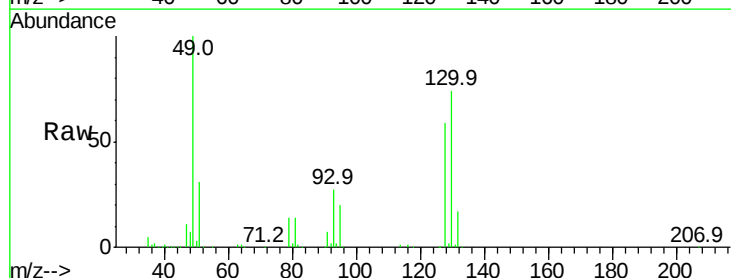
Tgt Ion: 96 Resp: 508436
Ion Ratio Lower Upper
96 100
61 129.9 90.0 167.2
98 62.3 42.8 79.6

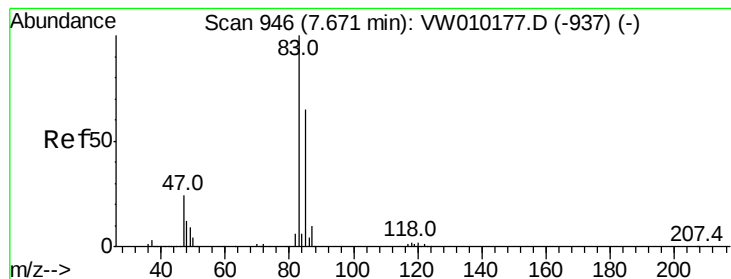


#23

Bromochloromethane
Concen: 50.051 ug/L
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010178.D
Acq: 29 Apr 2019 12:15

Tgt Ion: 128 Resp: 227864
Ion Ratio Lower Upper
128 100
49 170.5 121.7 225.9
130 126.1 91.1 169.1
51 53.4 40.7 61.1





#25

Chloroform

Concen: 47.507 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

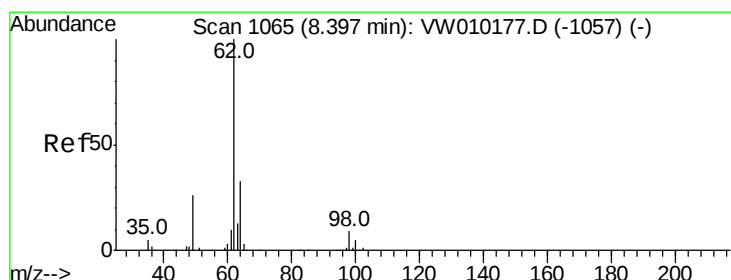
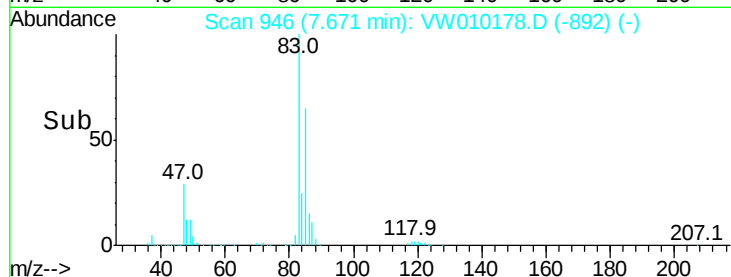
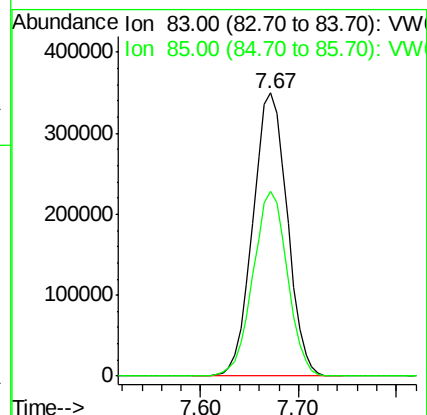
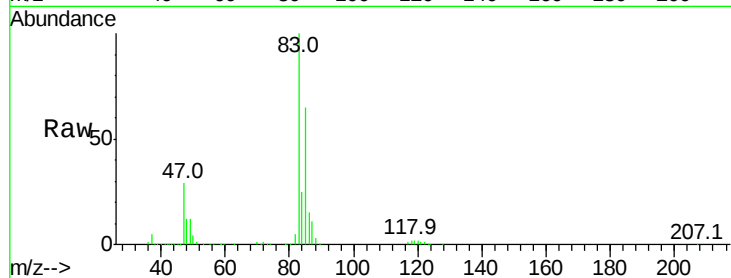
VSTD05029

Tgt Ion: 83 Resp: 859362

Ion Ratio Lower Upper

83 100

85 65.4 46.3 85.9



#27

1,2-Dichloroethane

Concen: 45.326 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010178.D

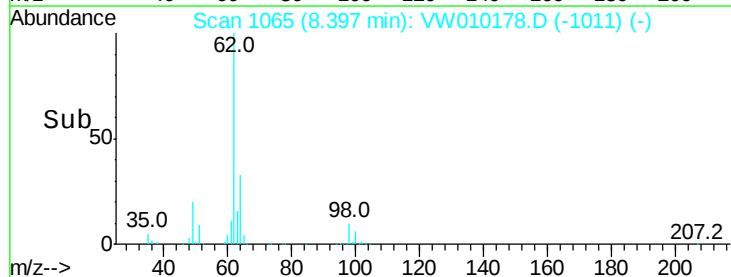
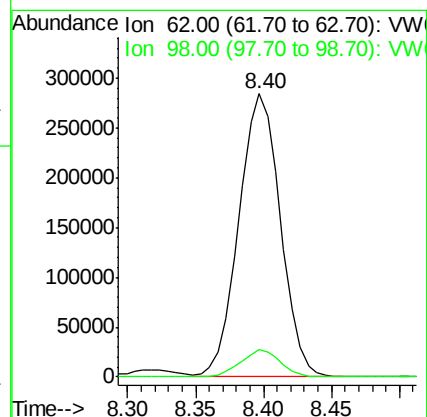
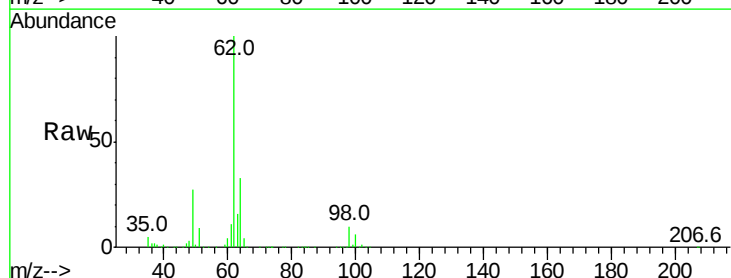
Acq: 29 Apr 2019 12:15

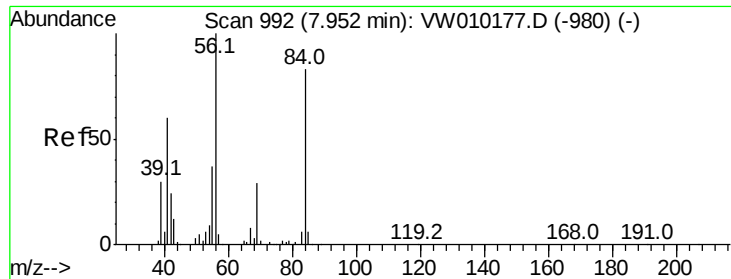
Tgt Ion: 62 Resp: 604211

Ion Ratio Lower Upper

62 100

98 9.8 7.0 10.6

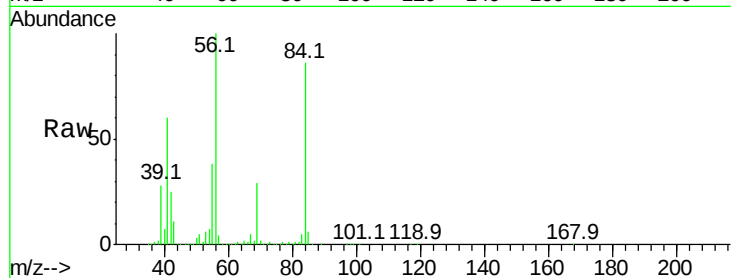




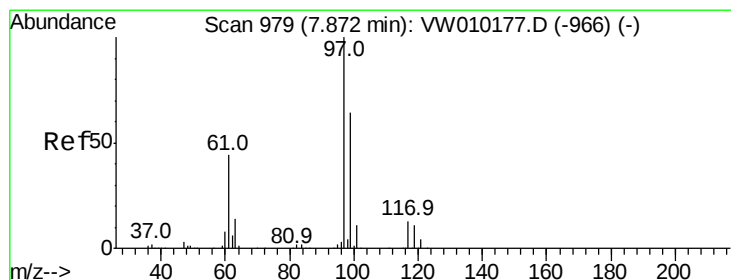
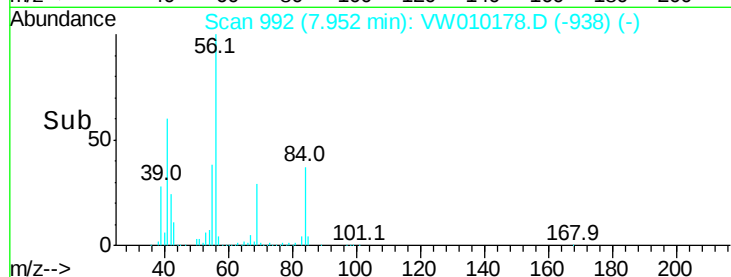
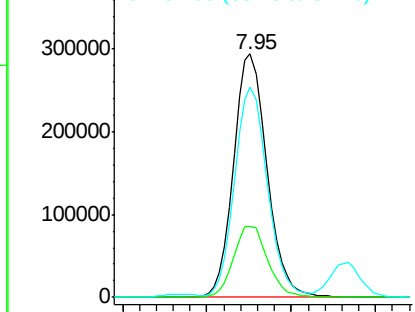
#30
Cyclohexane
Concen: 46.356 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010178.D
Acq: 29 Apr 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VSTD05029

Tgt Ion: 56 Resp: 792296
Ion Ratio Lower Upper
56 100
69 29.9 23.4 35.2
84 85.2 67.0 100.6

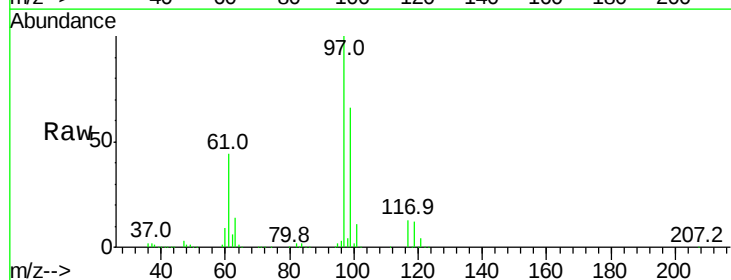


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

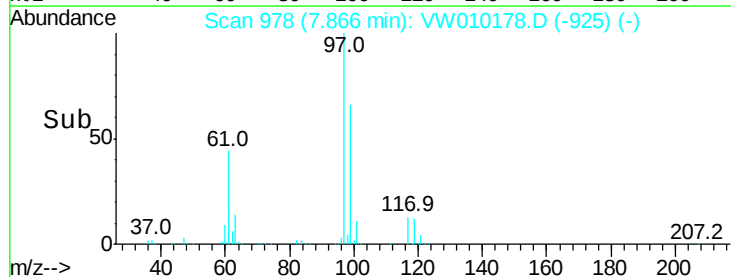
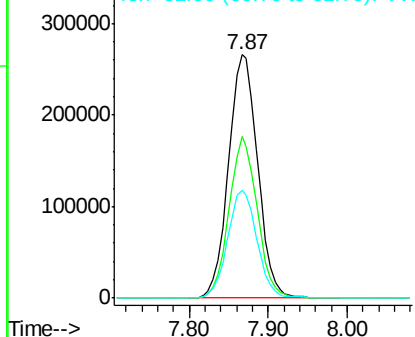


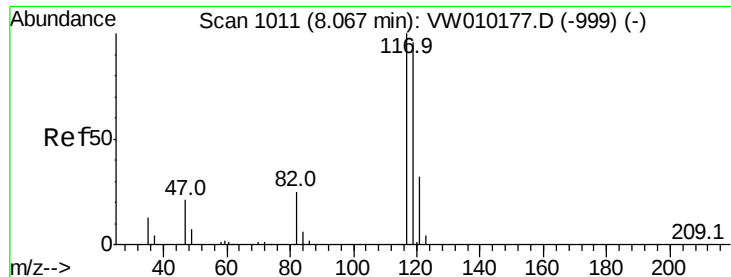
#31
1,1,1-Trichloroethane
Concen: 48.393 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW010178.D
Acq: 29 Apr 2019 12:15

Tgt Ion: 97 Resp: 685318
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.4
61 44.2 36.2 54.4



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





#32

Carbon tetrachloride

Concen: 48.905 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

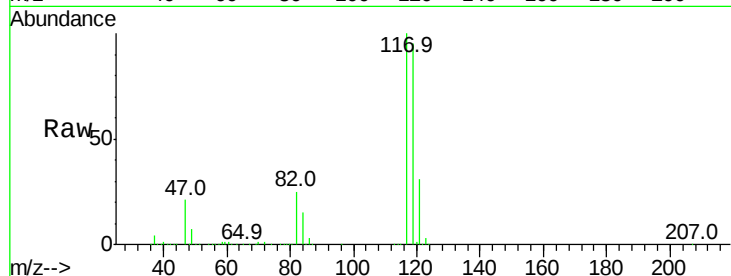
VSTD05029

Tgt Ion:117 Resp: 685656

Ion Ratio Lower Upper

117 100

119 95.0 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

300000

250000

200000

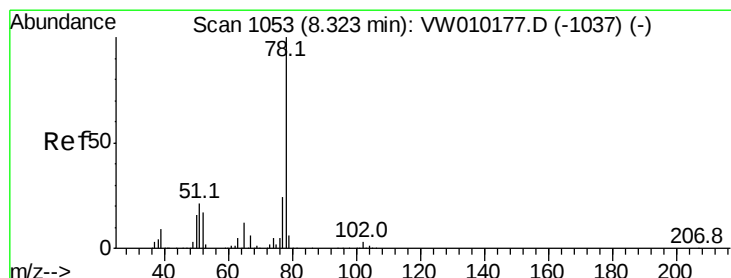
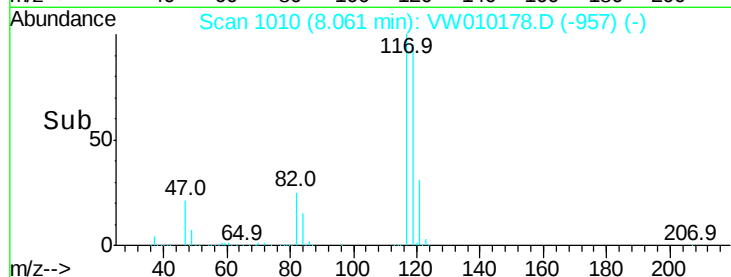
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 46.418 ug/L

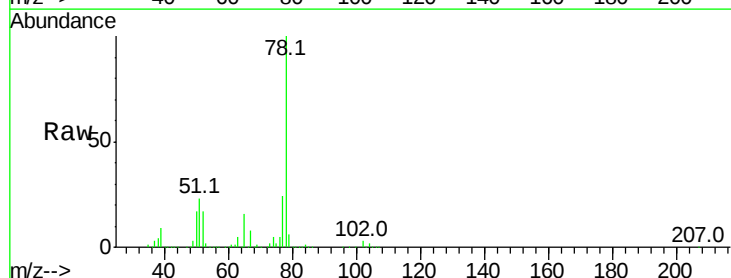
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

Tgt Ion: 78 Resp: 1859132



Abundance Ion 78.00 (77.70 to 78.70): VW

1000000

800000

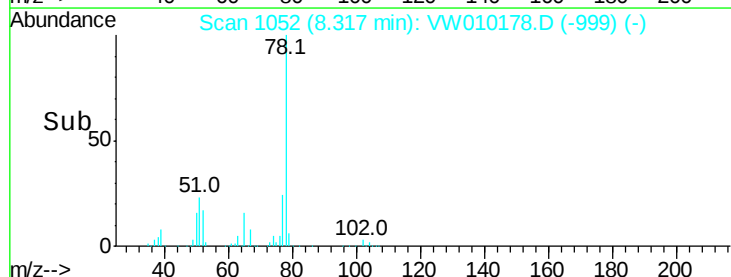
600000

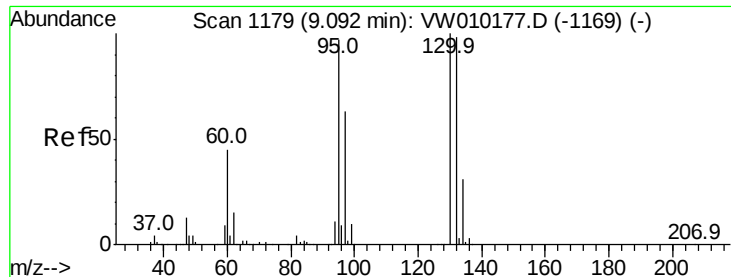
400000

200000

0

Time-->

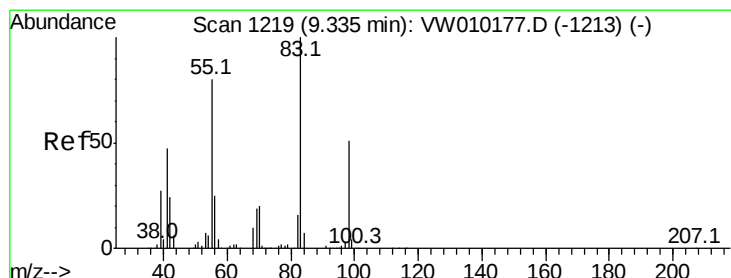
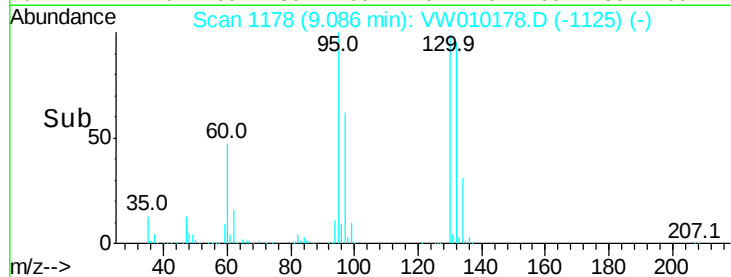
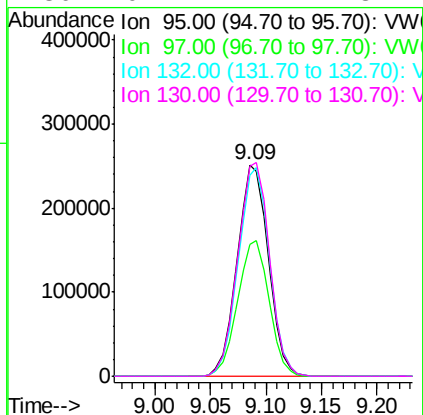
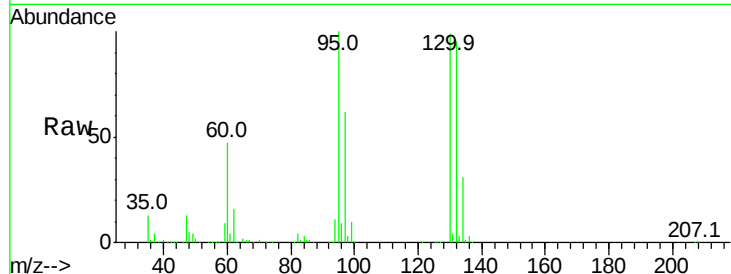




#35
 Trichloroethene
 Concen: 46.252 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW010178.D
 Acq: 29 Apr 2019 12:15

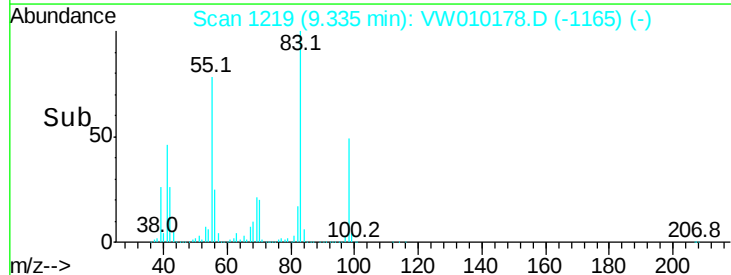
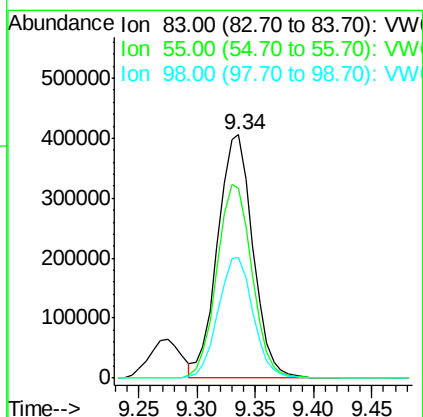
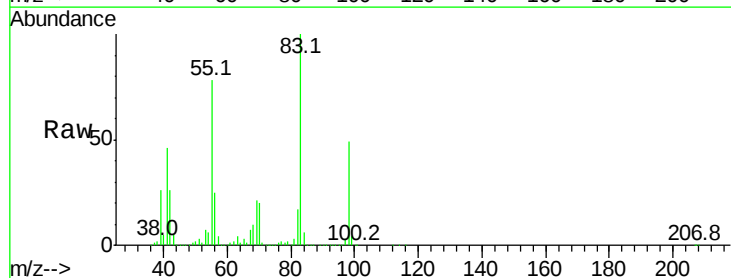
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05029

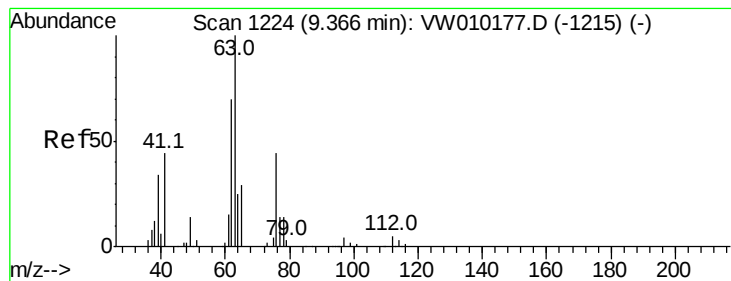
Tgt Ion:	95	Resp:	488560
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.4	84.2
132	98.8	69.2	128.6
130	102.7	72.2	134.2



#36
 Methylcyclohexane
 Concen: 48.155 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW010178.D
 Acq: 29 Apr 2019 12:15

Tgt Ion:	83	Resp:	852444
Ion	Ratio	Lower	Upper
83	100		
55	79.4	64.5	96.7
98	49.4	39.4	59.2





#40

1,2-Dichloropropane

Concen: 46.758 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

Instrument :

MSVOA_W

ClientSampled :

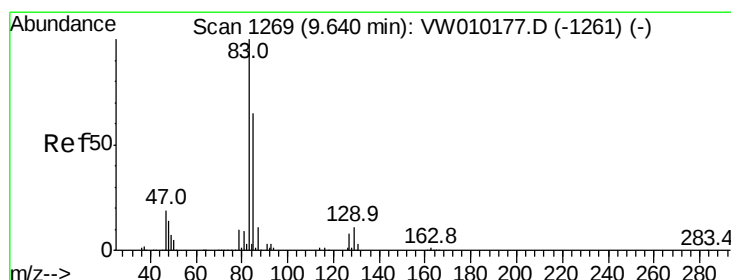
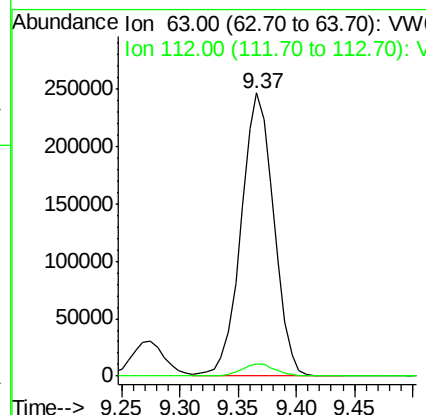
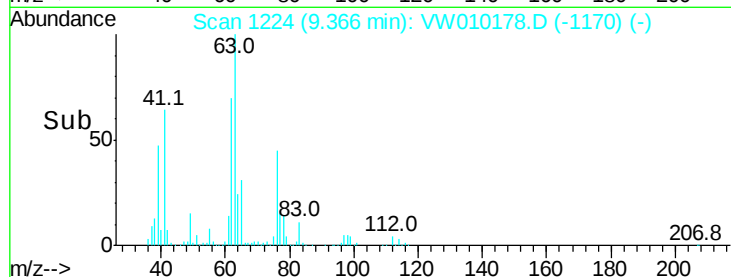
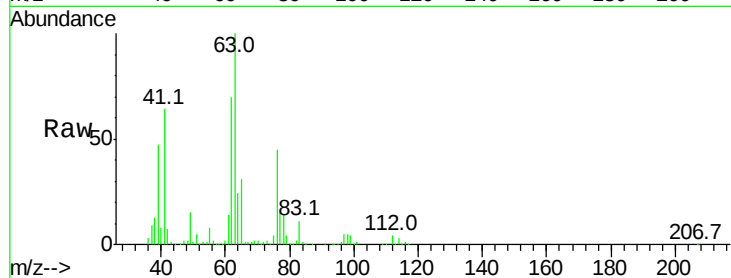
VSTD05029

Tgt Ion: 63 Resp: 483286

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.8



#41

Bromodichloromethane

Concen: 48.066 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

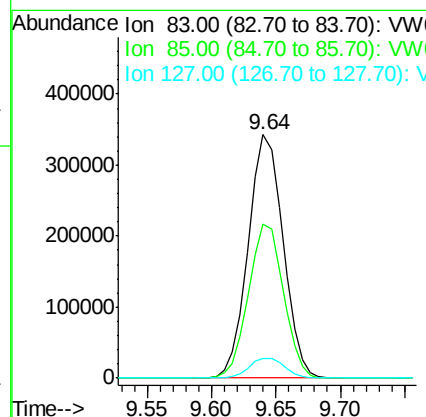
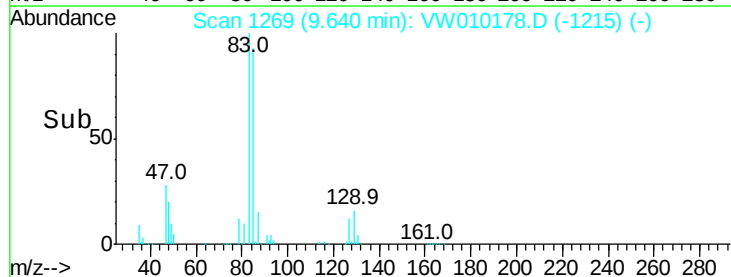
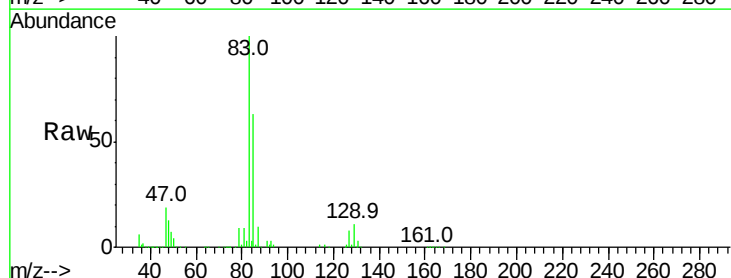
Tgt Ion: 83 Resp: 642002

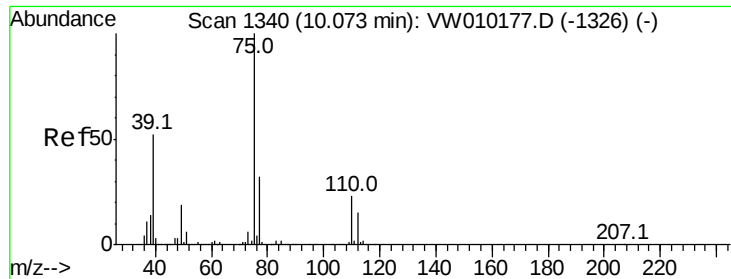
Ion Ratio Lower Upper

83 100

85 63.1 45.8 85.0

127 8.1 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 49.111 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

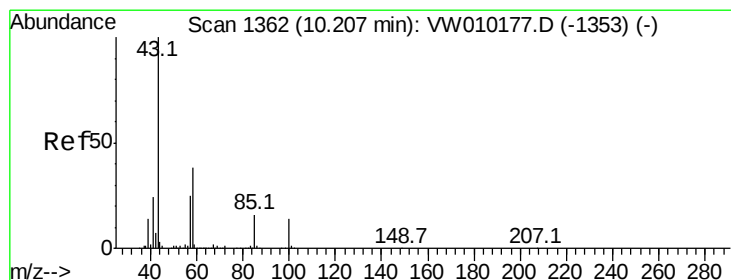
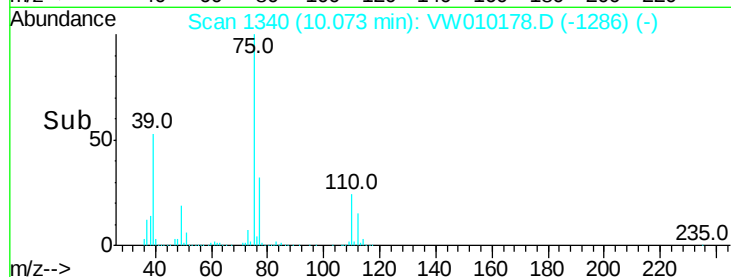
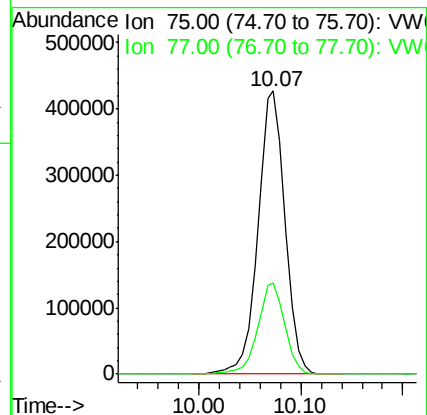
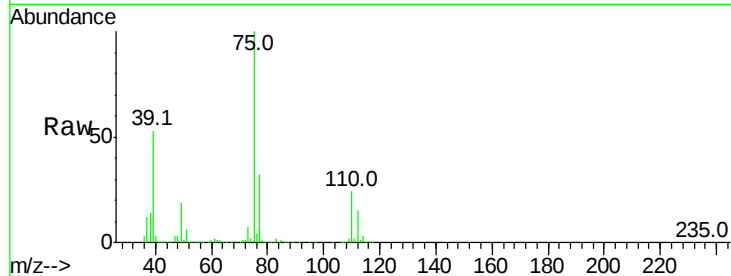
VSTD05029

Tgt Ion: 75 Resp: 789427

Ion Ratio Lower Upper

75 100

77 32.3 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 91.705 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

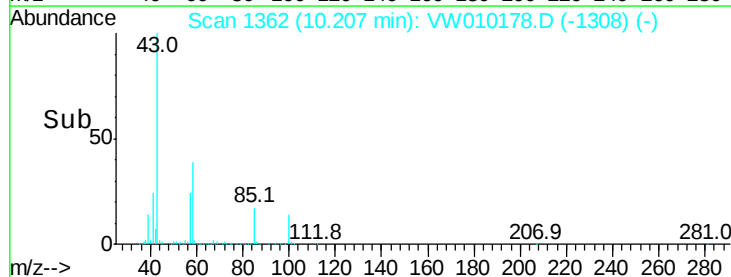
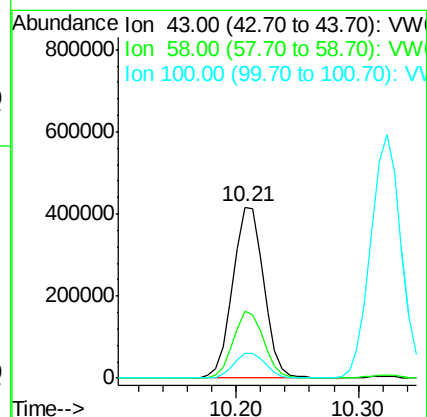
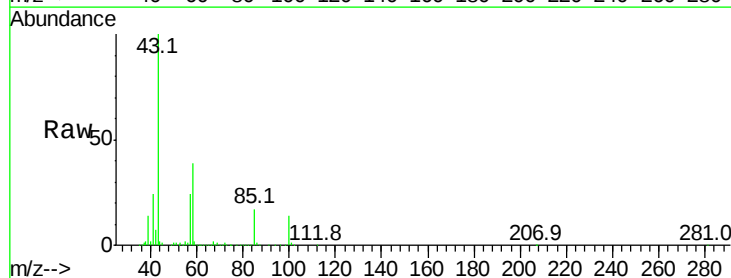
Tgt Ion: 43 Resp: 730304

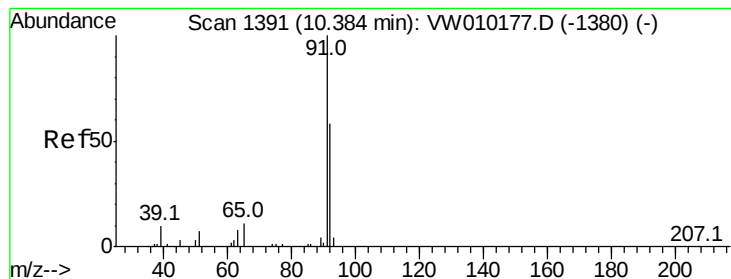
Ion Ratio Lower Upper

43 100

58 38.0 30.3 45.5

100 14.8 11.9 17.9





#44

Toluene

Concen: 47.456 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

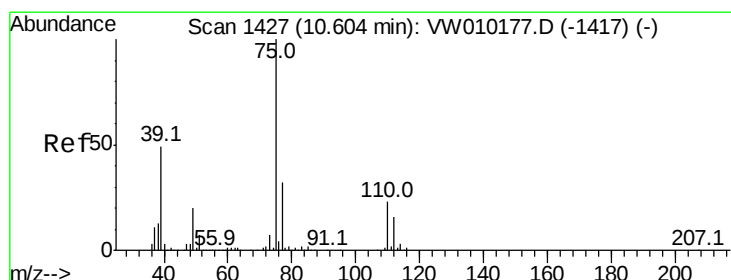
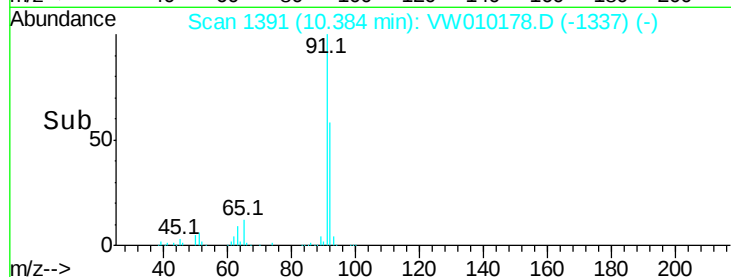
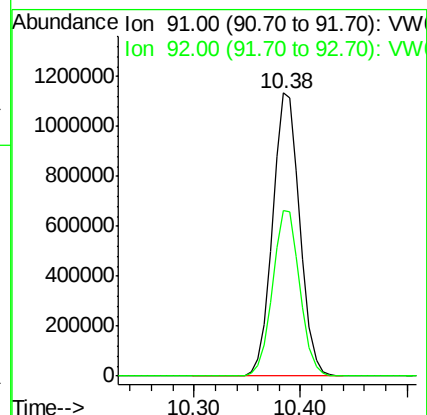
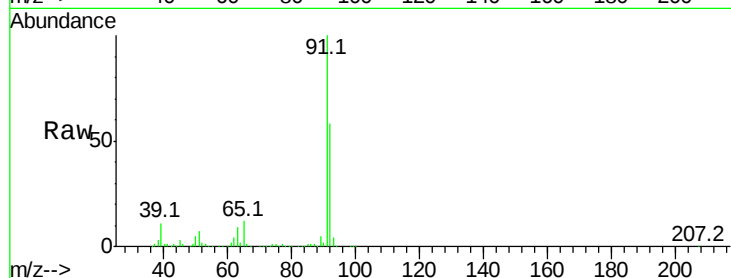
VSTD05029

Tgt Ion: 91 Resp: 2012025

Ion Ratio Lower Upper

91 100

92 58.5 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 49.264 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010178.D

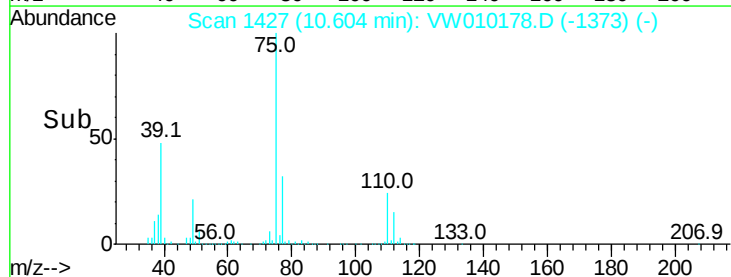
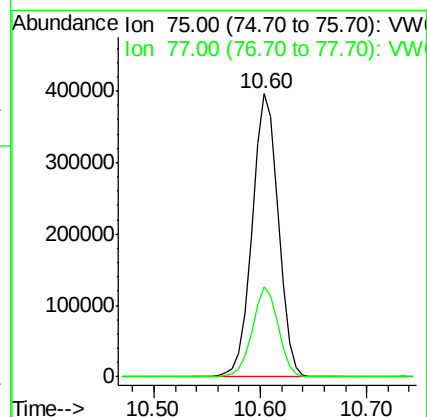
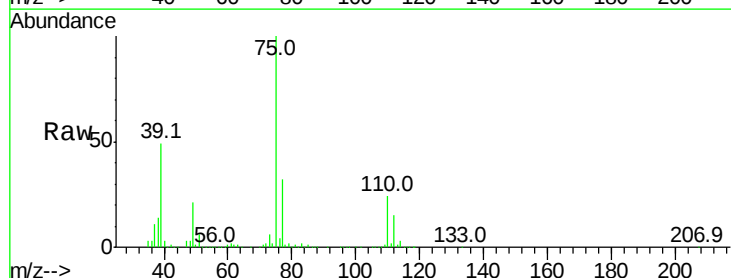
Acq: 29 Apr 2019 12:15

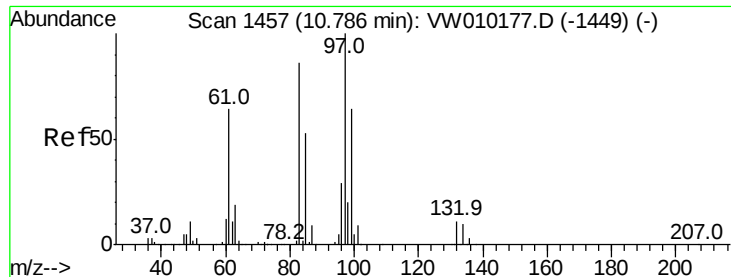
Tgt Ion: 75 Resp: 683340

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6

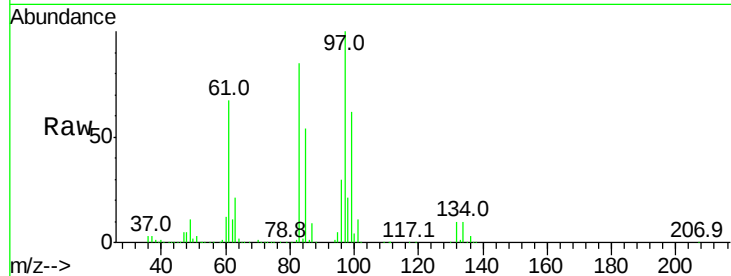




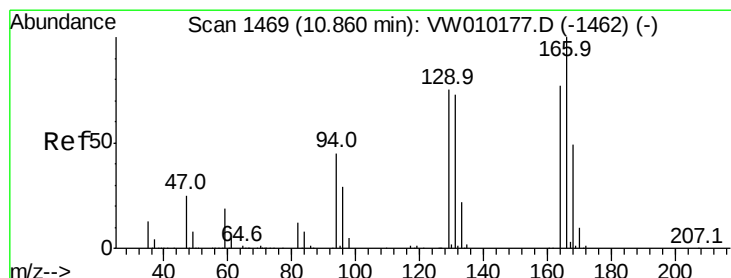
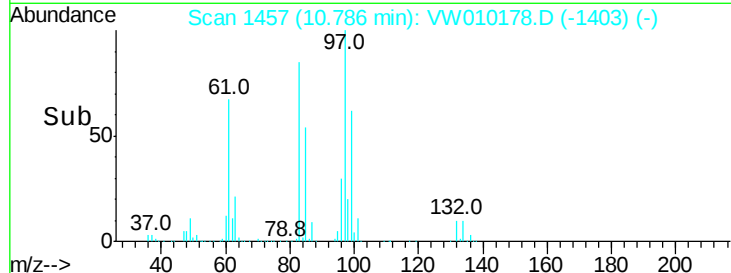
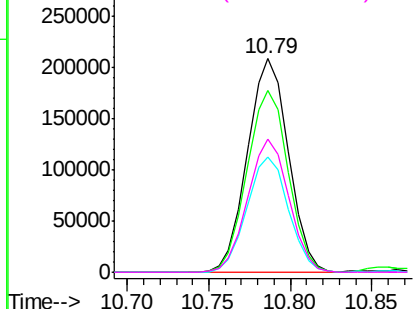
#46
 1,1,2-Trichloroethane
 Concen: 48.600 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010178.D
 Acq: 29 Apr 2019 12:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05029

Tgt Ion:	97	Resp:	364445
Ion	Ratio	Lower	Upper
97	100		
83	85.4	60.0	111.4
85	53.7	36.8	68.4
99	62.2	44.4	82.5

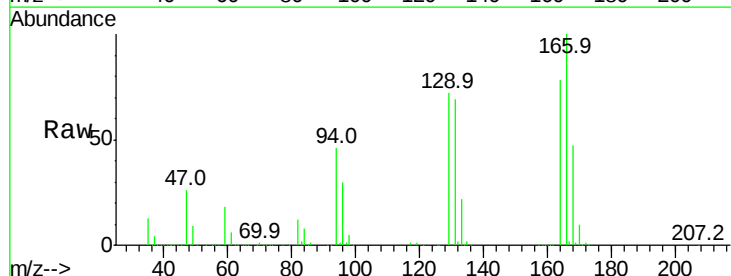


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

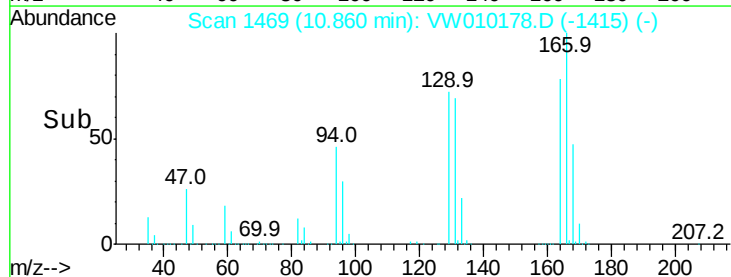
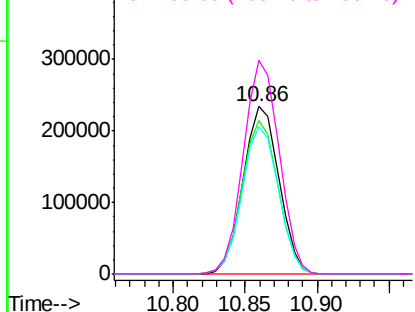


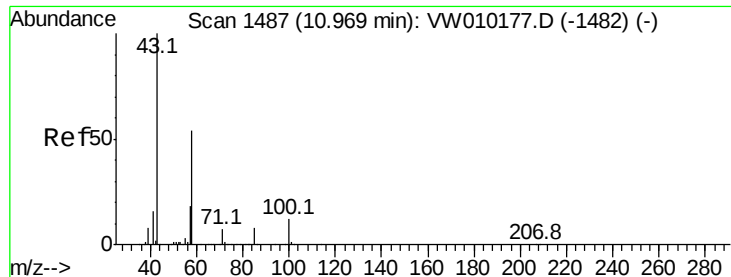
#47
 Tetrachloroethene
 Concen: 50.297 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW010178.D
 Acq: 29 Apr 2019 12:15

Tgt Ion:	164	Resp:	405398
Ion	Ratio	Lower	Upper
164	100		
129	91.8	68.3	126.9
131	88.2	66.8	124.0
166	127.4	91.1	169.3



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

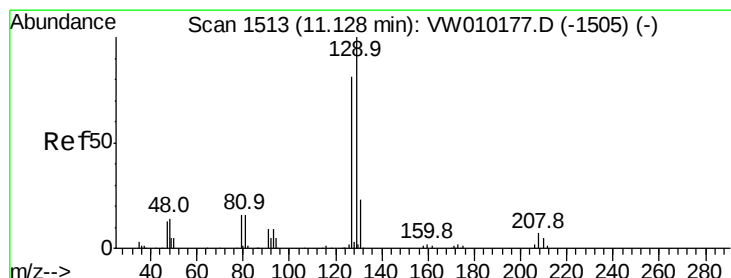
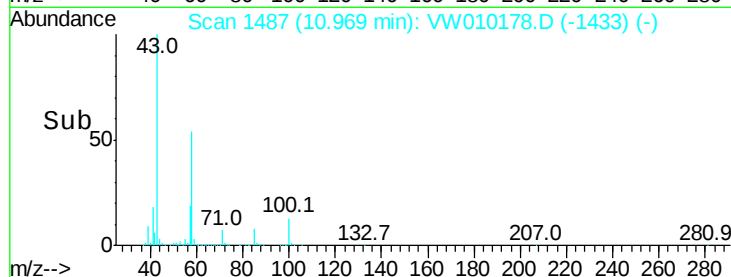
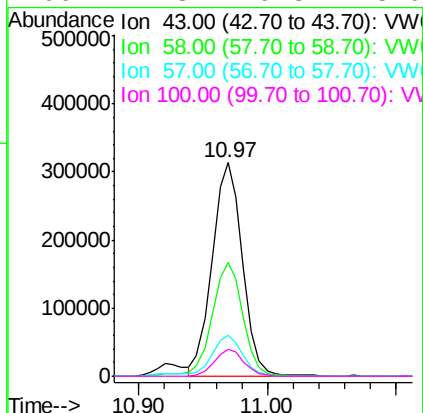
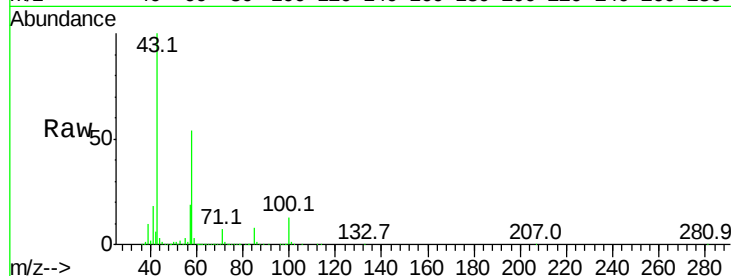




#49
2-Hexanone
Concen: 91.805 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010178.D
Acq: 29 Apr 2019 12:15

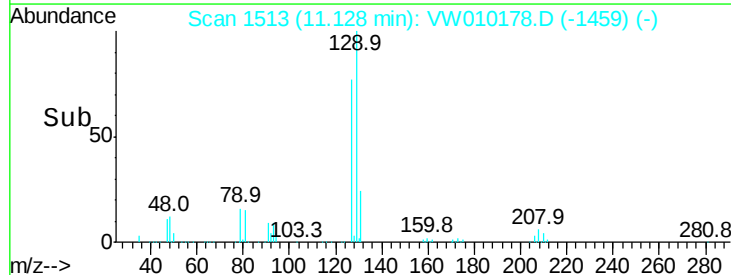
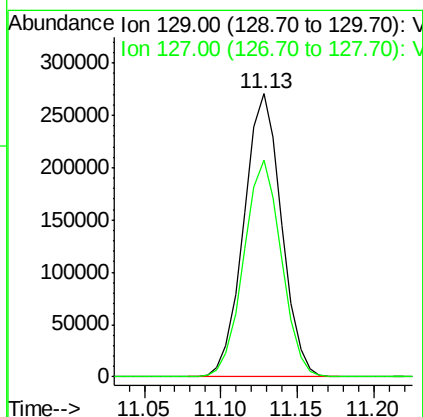
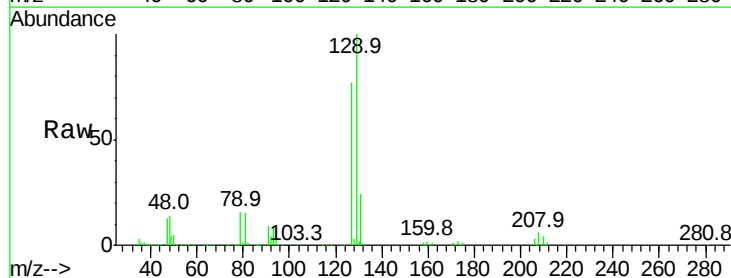
Instrument :
MSVOA_W
ClientSampleId :
VSTD05029

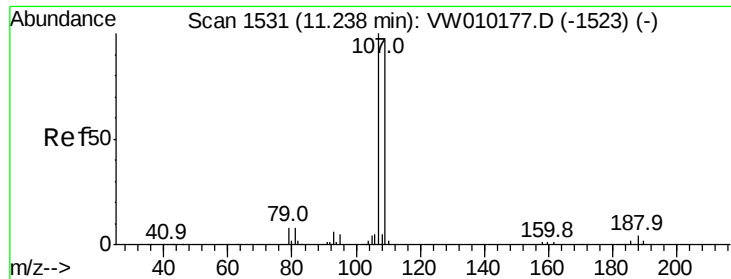
Tgt Ion: 43 Resp: 516736
Ion Ratio Lower Upper
43 100
58 52.7 41.4 62.2
57 19.0 14.8 22.2
100 12.3 9.3 13.9



#50
Dibromochloromethane
Concen: 51.542 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010178.D
Acq: 29 Apr 2019 12:15

Tgt Ion: 129 Resp: 463124
Ion Ratio Lower Upper
129 100
127 76.5 56.4 104.8

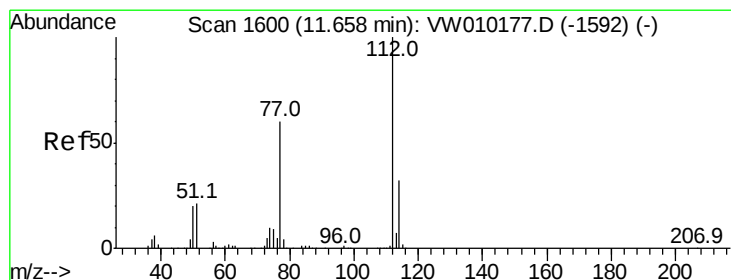
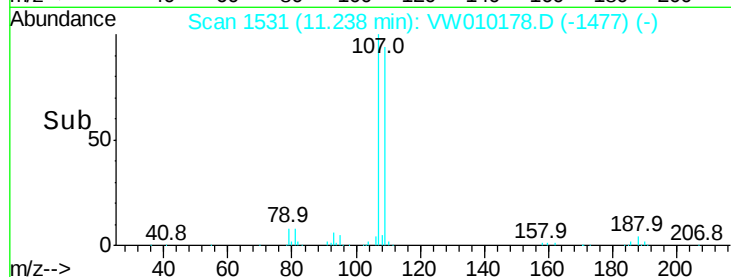
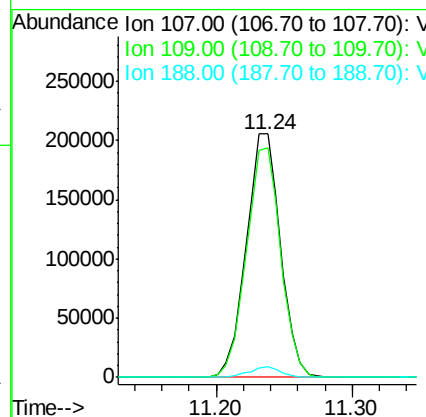
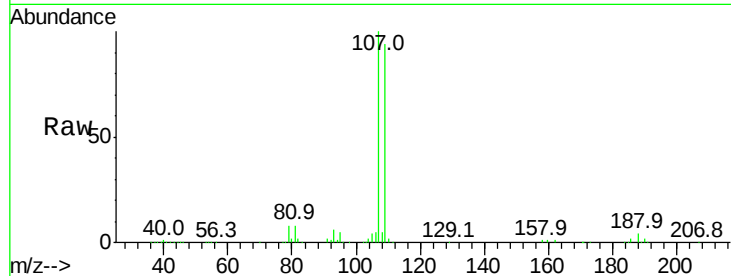




#51
 1,2-Dibromoethane
 Concen: 48.511 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010178.D
 Acq: 29 Apr 2019 12:15

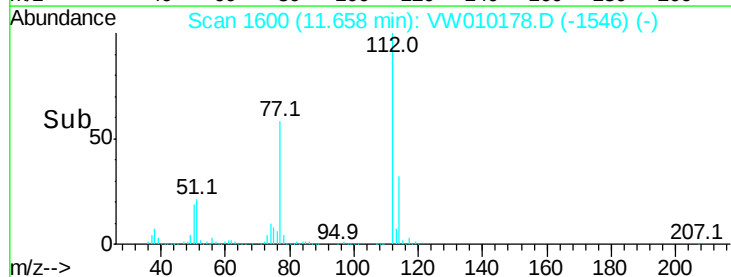
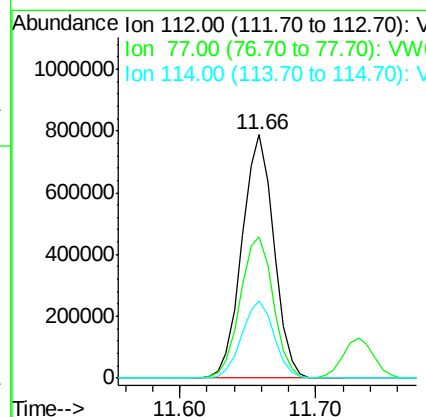
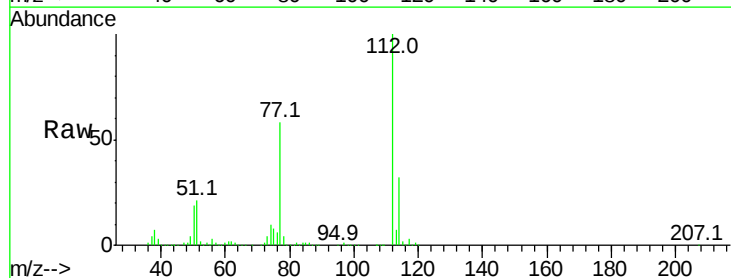
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05029

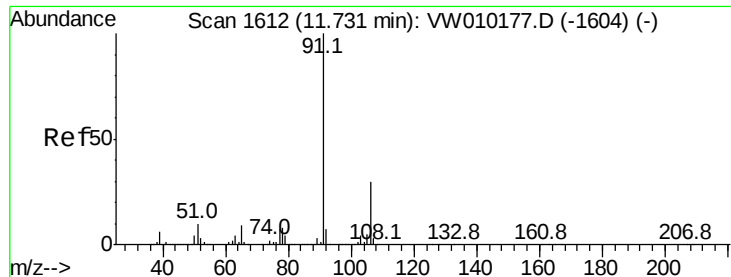
Tgt Ion:107 Resp: 361483
 Ion Ratio Lower Upper
 107 100
 109 94.1 68.3 126.9
 188 4.5 3.3 4.9



#52
 Chlorobenzene
 Concen: 48.037 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW010178.D
 Acq: 29 Apr 2019 12:15

Tgt Ion:112 Resp: 1288666
 Ion Ratio Lower Upper
 112 100
 77 58.0 48.2 72.2
 114 31.6 22.2 41.2





#53

Ethylbenzene

Concen: 48.342 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

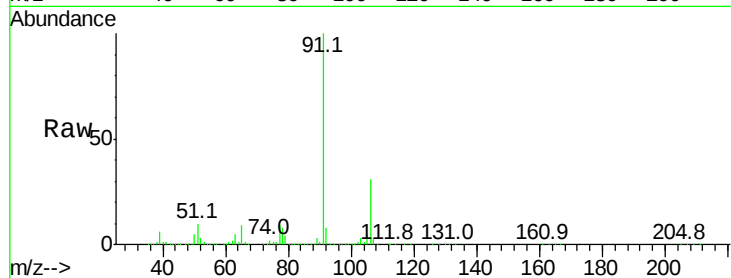
VSTD05029

Tgt Ion: 91 Resp: 2300434

Ion Ratio Lower Upper

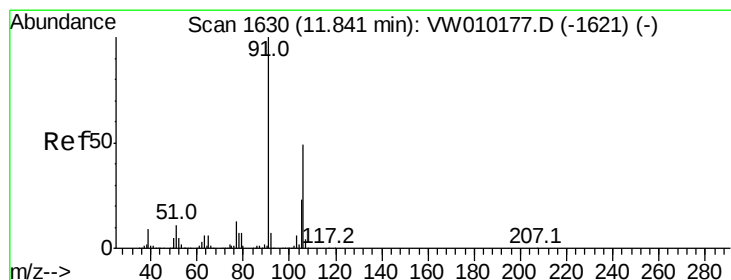
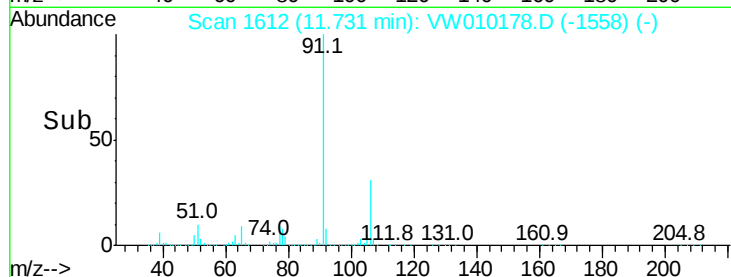
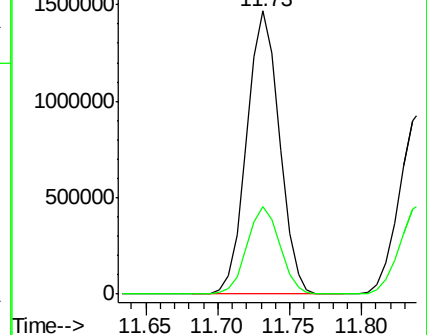
91 100

106 30.7 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 49.451 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010178.D

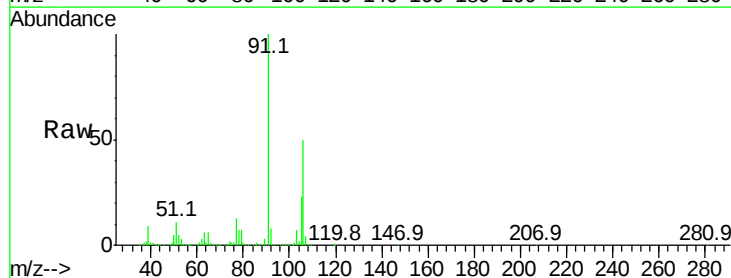
Acq: 29 Apr 2019 12:15

Tgt Ion: 106 Resp: 870437

Ion Ratio Lower Upper

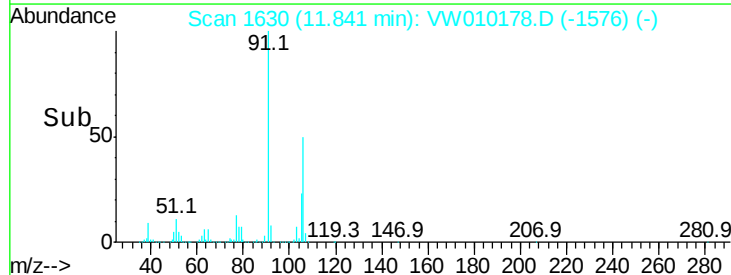
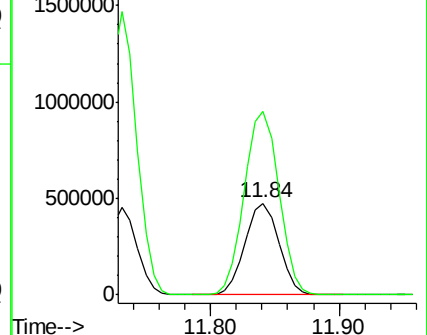
106 100

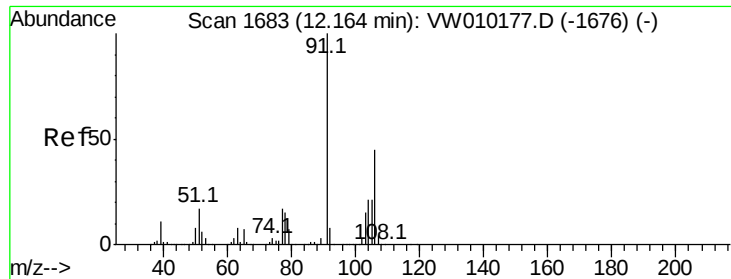
91 201.1 143.8 267.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 49.656 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

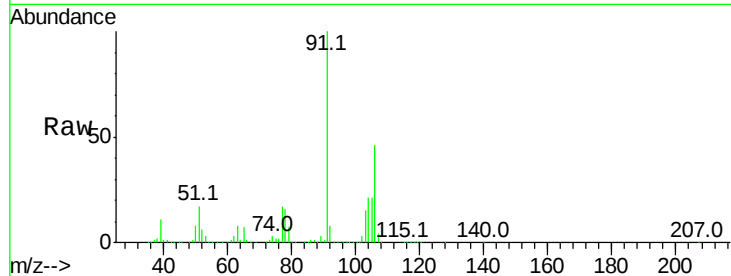
VSTD05029

Tgt Ion:106 Resp: 828831

Ion Ratio Lower Upper

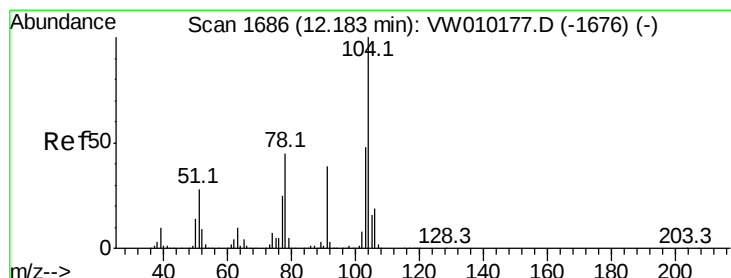
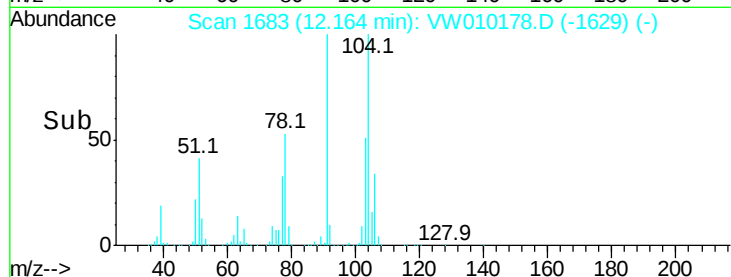
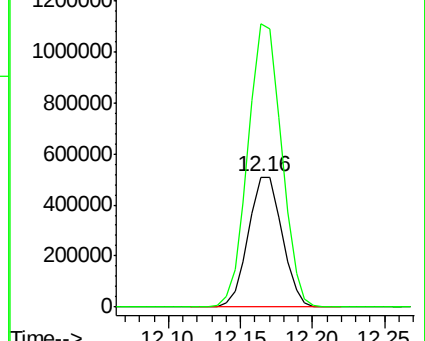
106 100

91 217.4 156.2 290.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 50.881 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010178.D

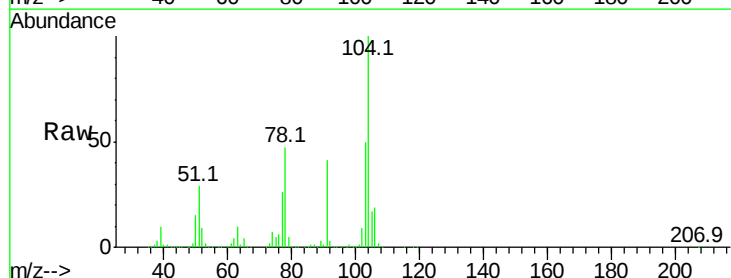
Acq: 29 Apr 2019 12:15

Tgt Ion:104 Resp: 1444399

Ion Ratio Lower Upper

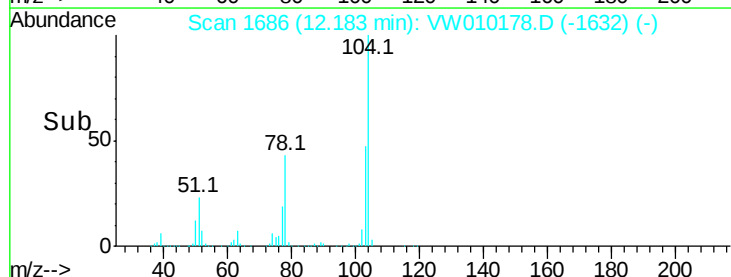
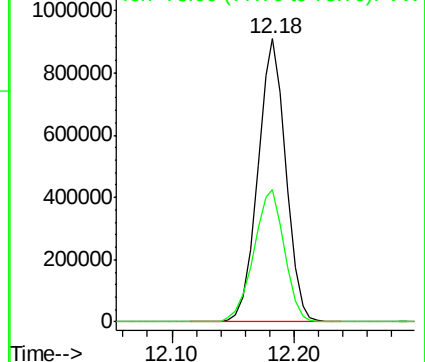
104 100

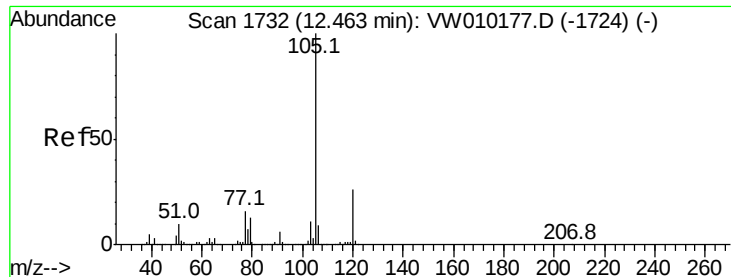
78 46.8 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 49.613 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05029

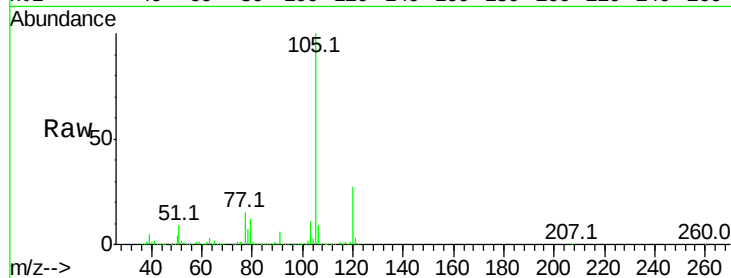
Tgt Ion:105 Resp: 2253186

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

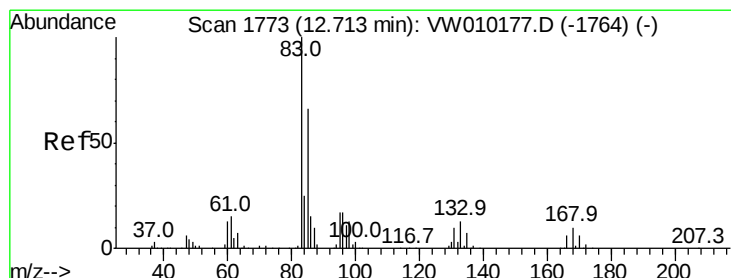
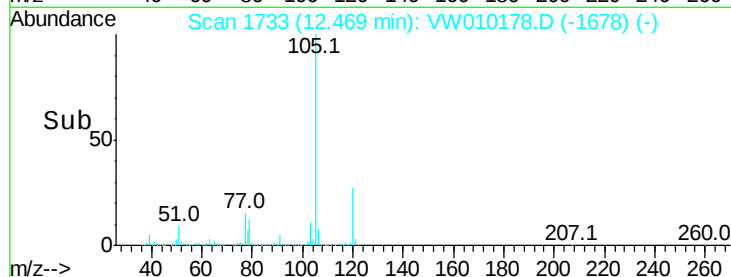
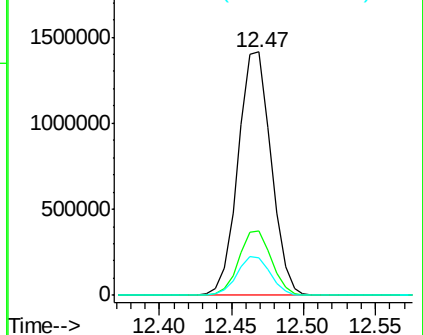
77 16.0 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.363 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

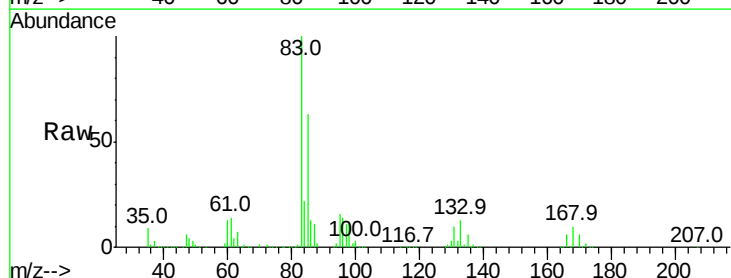
Tgt Ion: 83 Resp: 449857

Ion Ratio Lower Upper

83 100

85 63.0 46.5 86.5

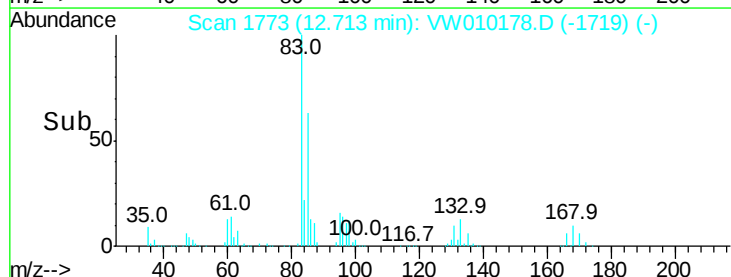
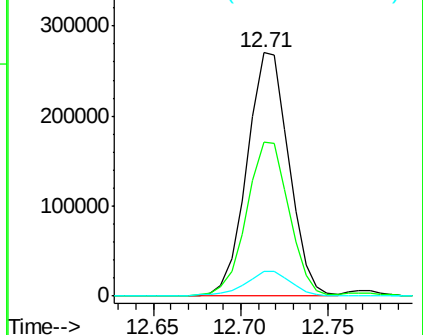
131 10.3 8.0 12.0

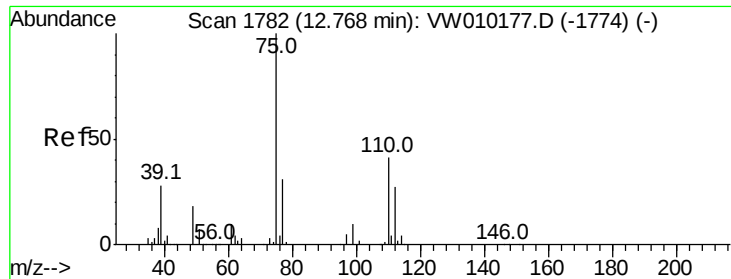


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.377 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

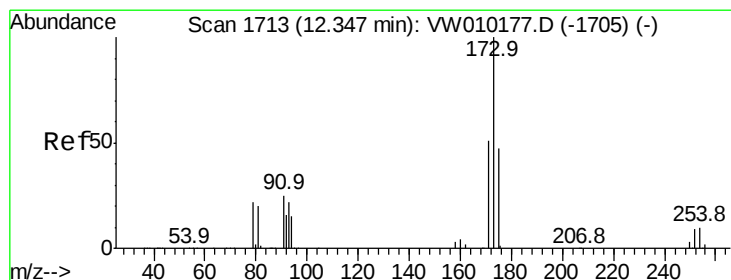
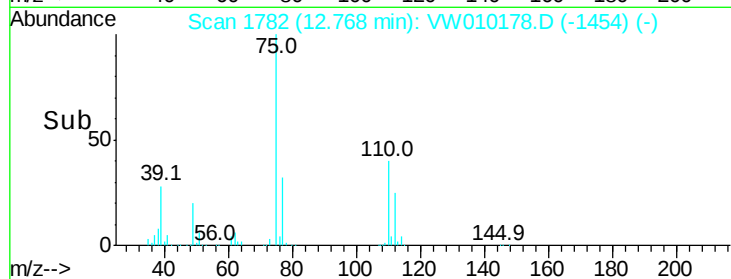
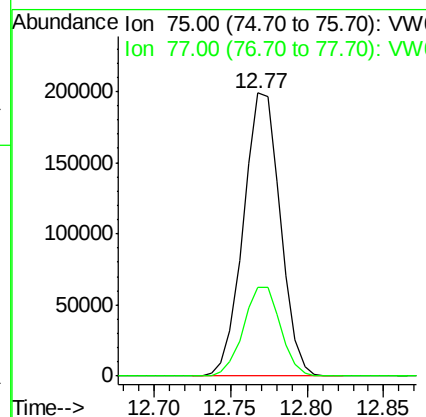
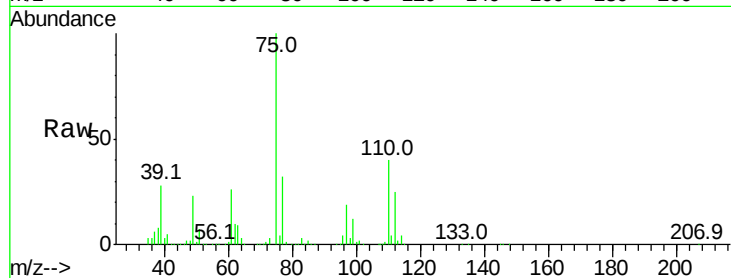
VSTD05029

Tgt Ion: 75 Resp: 333344

Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.4



#62

Bromoform

Concen: 49.015 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

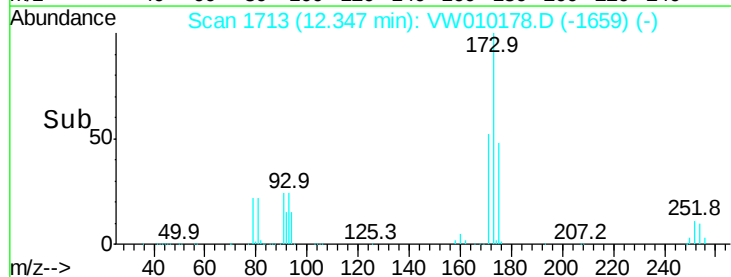
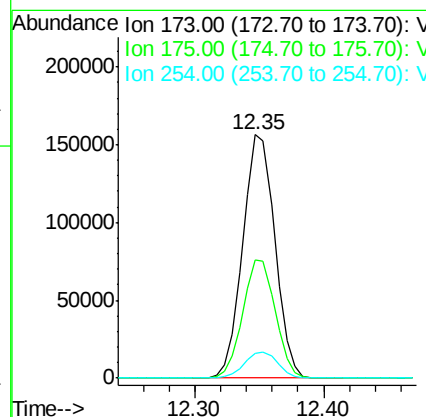
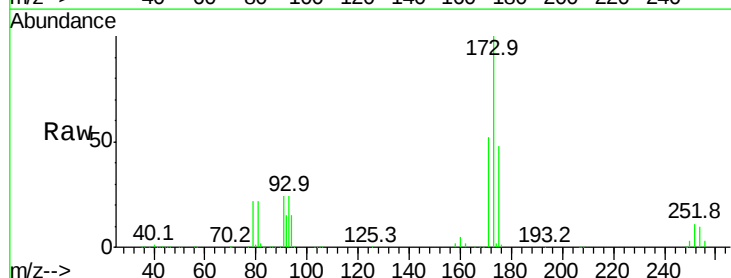
Tgt Ion: 173 Resp: 270074

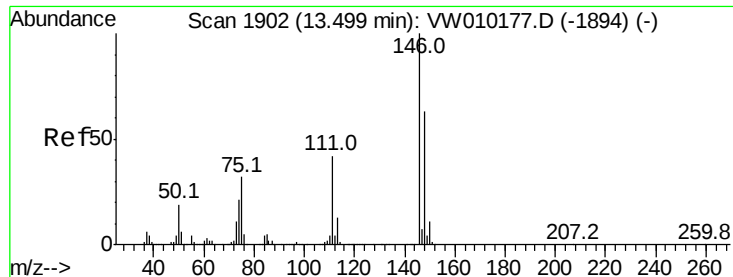
Ion Ratio Lower Upper

173 100

175 49.0 38.6 57.8

254 11.0 8.0 12.0

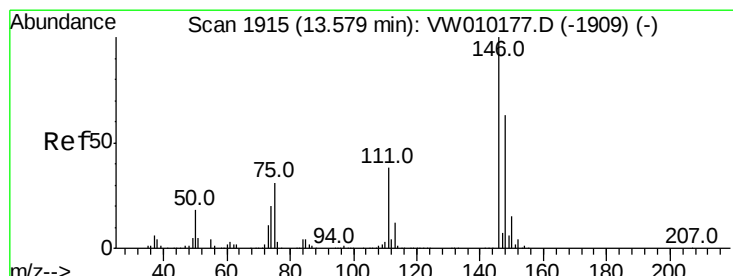
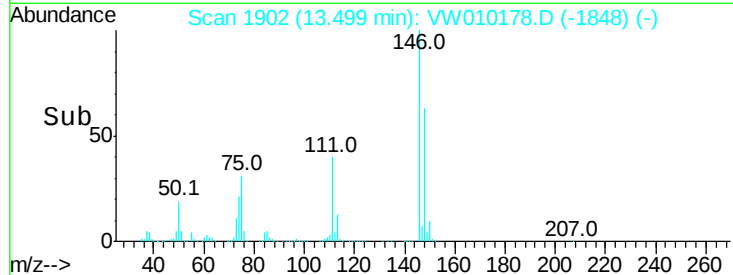
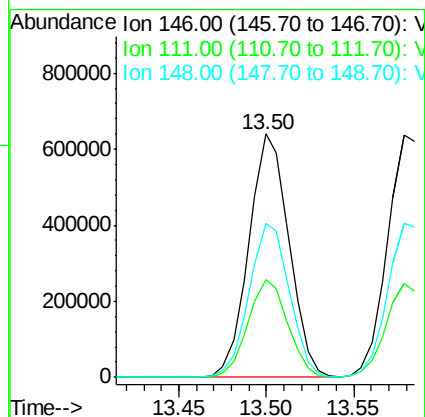
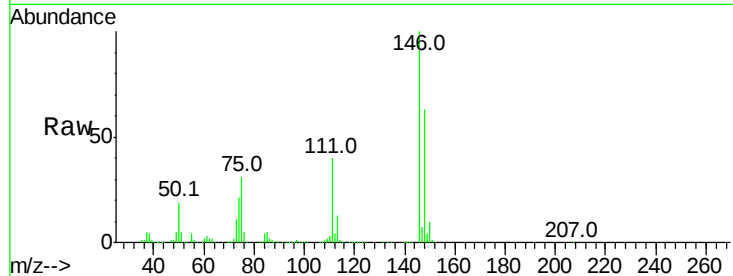




#63
 1,3-Dichlorobenzene
 Concen: 48.316 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010178.D
 Acq: 29 Apr 2019 12:15

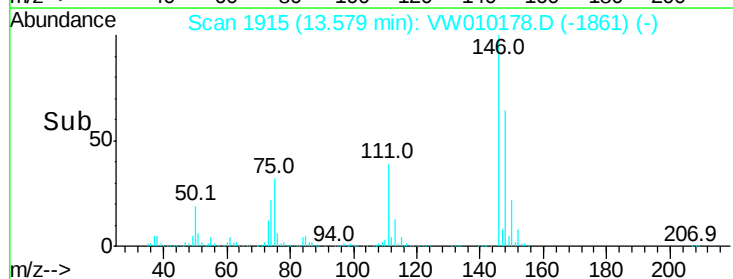
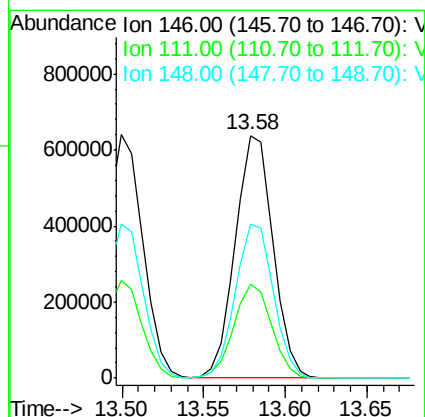
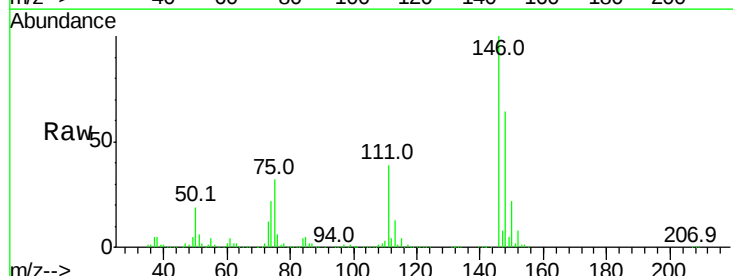
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05029

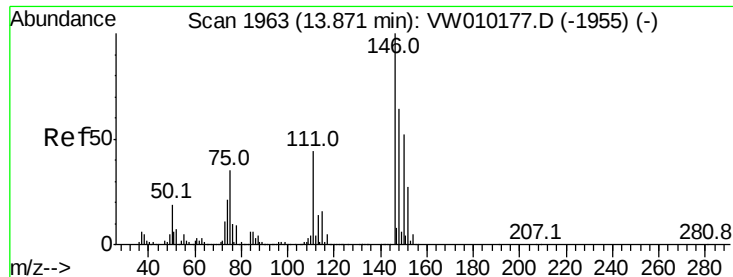
Tgt Ion:146 Resp: 1019483
 Ion Ratio Lower Upper
 146 100
 111 40.2 29.3 54.5
 148 63.3 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 47.128 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010178.D
 Acq: 29 Apr 2019 12:15

Tgt Ion:146 Resp: 1031954
 Ion Ratio Lower Upper
 146 100
 111 38.6 26.5 49.1
 148 63.5 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 48.448 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05029

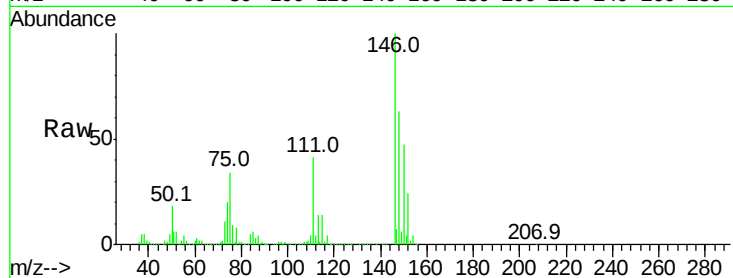
Tgt Ion:146 Resp: 945536

Ion Ratio Lower Upper

146 100

111 41.4 35.0 52.4

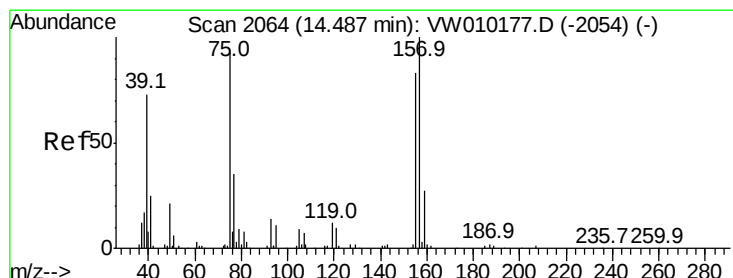
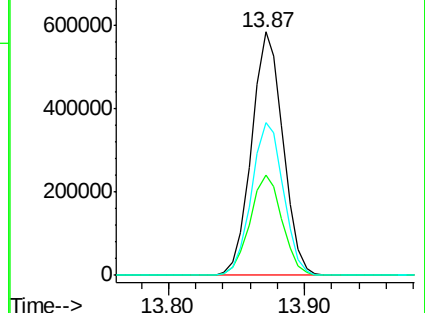
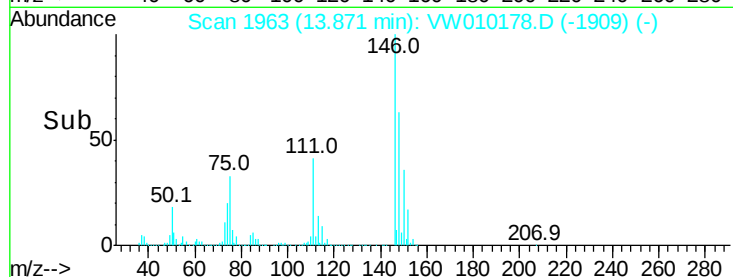
148 62.9 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 43.771 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

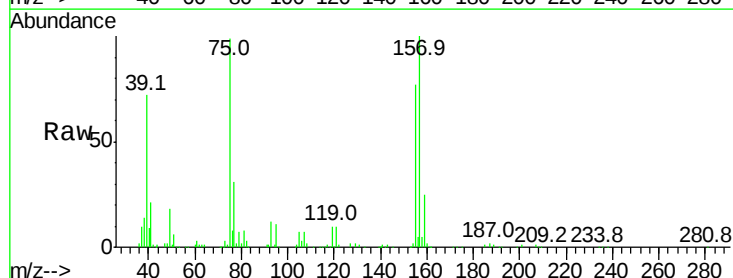
Tgt Ion: 75 Resp: 79405

Ion Ratio Lower Upper

75 100

157 100.6 85.7 128.5

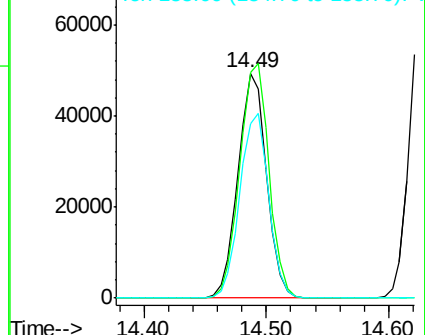
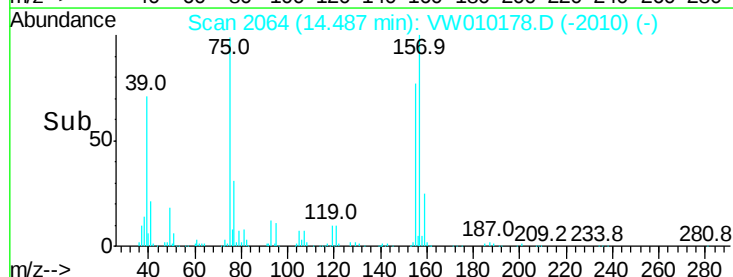
155 77.7 70.8 106.2

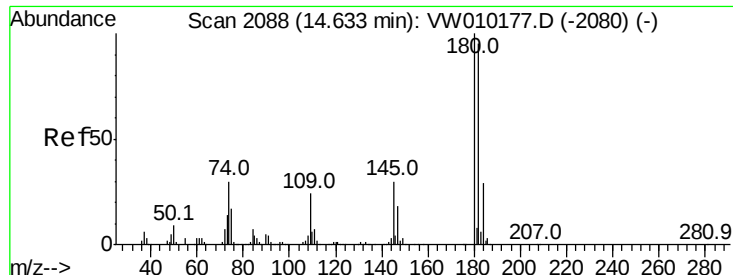


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

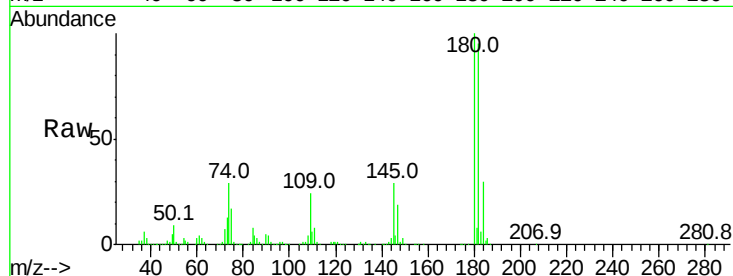




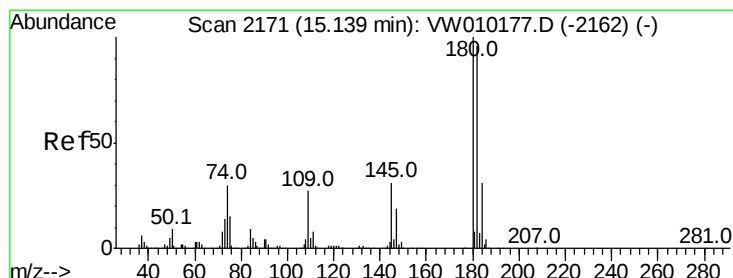
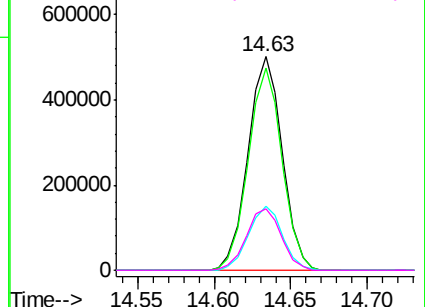
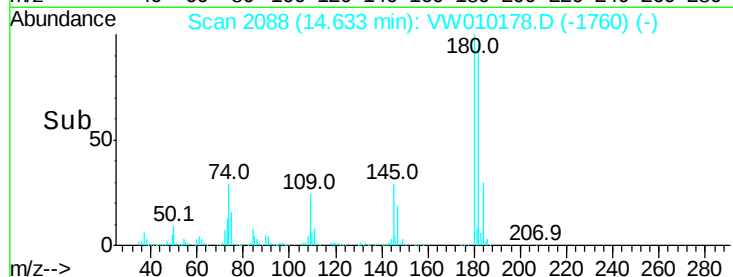
#67
 1,3,5-Trichlorobenzene
 Concen: 50.292 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010178.D
 Acq: 29 Apr 2019 12:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05029

Tgt Ion:	180	Resp:	778183
Ion Ratio	Lower	Upper	
180	100		
182	93.6	75.7	113.5
184	29.8	23.8	35.6
145	29.6	23.8	35.8

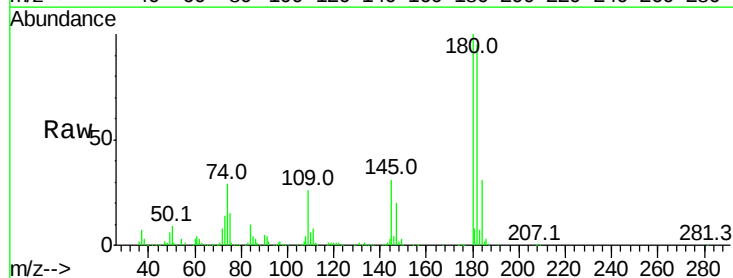


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

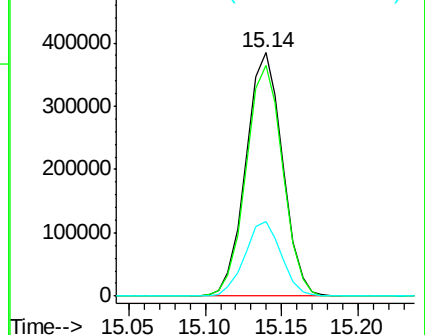
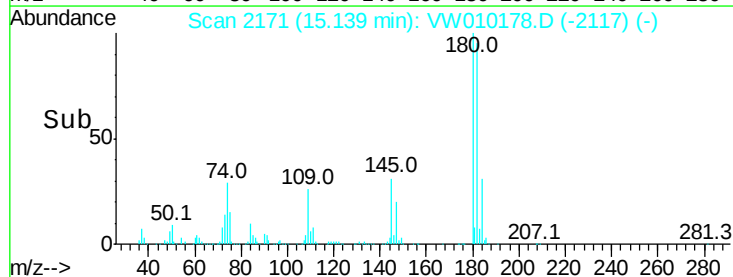


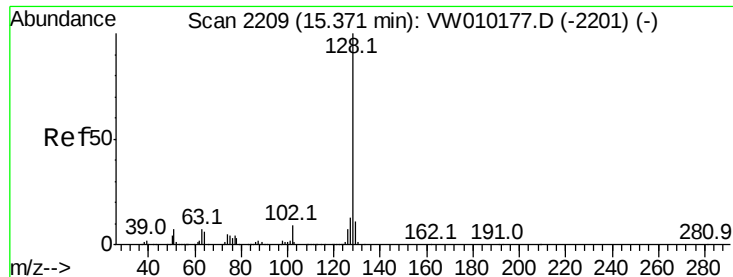
#68
 1,2,4-trichlorobenzene
 Concen: 50.752 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010178.D
 Acq: 29 Apr 2019 12:15

Tgt Ion:	180	Resp:	638919
Ion Ratio	Lower	Upper	
180	100		
182	94.9	76.2	114.4
145	30.6	24.5	36.7



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: 42.225 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VSTD05029

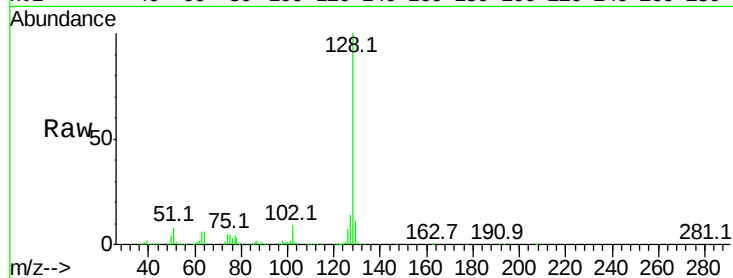
Tgt Ion:128 Resp: 1312784

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

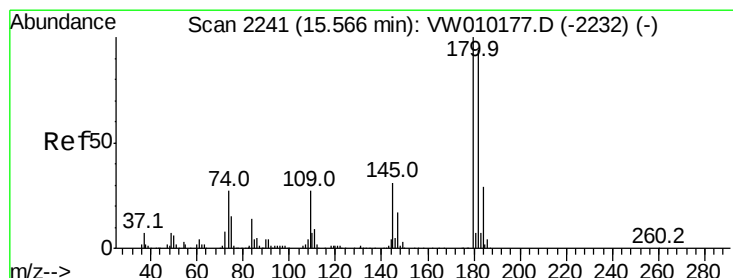
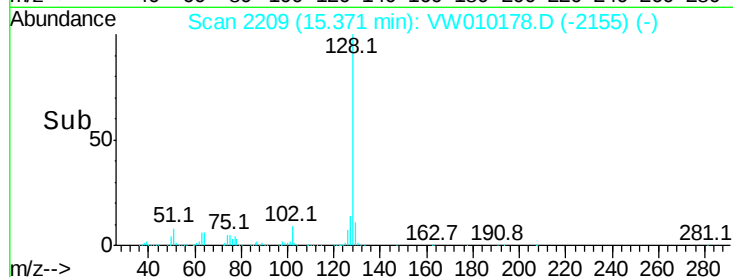
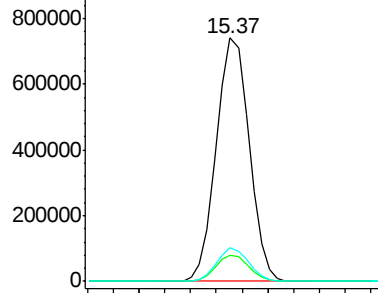
127 13.3 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.956 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW010178.D

Acq: 29 Apr 2019 12:15

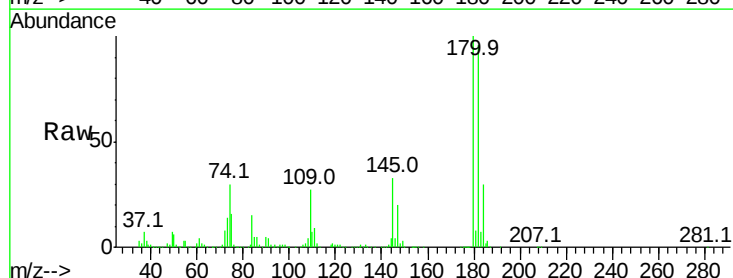
Tgt Ion:180 Resp: 577052

Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.4

145 32.0 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

