

Data File : VW010175.D
Acq On : 29 Apr 2019 10:22
Operator : SY/VA
Sample : VSTD2.526
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.526

Quant Time: Apr 29 13:24:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 29 13:05:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	745661	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	687904	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	337523	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	23256	2.78	ug/L	0.00
7) Chloroethane-d5	2.89	69	17946	2.58	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	50450	2.68	ug/L	0.00
20) 2-Butanone-d5	7.08	46	12724	3.91	ug/L	0.00
24) Chloroform-d	7.64	84	49804	2.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	28497	2.56	ug/L	0.00
29) Benzene-d6	8.27	84	98529	2.67	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	30802	2.67	ug/L	0.00
37) Toluene-d8	10.32	98	86703	2.58	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	13020	2.43	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	8603	3.48	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	24371	2.43	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	34161	2.74	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	17949	1.655 ug/L	95
3) Chloromethane	2.21	50	20689	2.277 ug/L	97
5) Vinyl chloride	2.37	62	27172	2.448 ug/L	90
6) Bromomethane	2.77	94	15262	2.377 ug/L	99
8) Chloroethane	2.93	64	16280	2.467 ug/L	98
9) Trichlorofluoromethane	3.25	101	13953	2.331 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	22760	2.467 ug/L #	37
12) 1,1-Dichloroethene	4.03	96	21956	2.334 ug/L	93
13) Acetone	4.12	43	14157	5.611 ug/L	91
14) Carbon disulfide	4.37	76	63859	2.398 ug/L	98
15) Methyl Acetate	4.67	43	12187	2.122 ug/L #	80
16) Methylene chloride	4.92	84	45855	3.487 ug/L	91
17) Methyl tert-butyl Ether	5.42	73	27184	2.200 ug/L	100
18) trans-1,2-Dichloroethene	5.41	96	22732	2.284 ug/L	96
19) 1,1-Dichloroethane	6.21	63	43243	2.354 ug/L	95
22) cis-1,2-Dichloroethene	7.16	96	23257	2.172 ug/L	95
23) Bromochloromethane	7.51	128	11227	2.284 ug/L	97
25) Chloroform	7.67	83	43860	2.317 ug/L	99
27) 1,2-Dichloroethane	8.40	62	29898	2.218 ug/L	99
30) Cyclohexane	7.95	56	33496	2.083 ug/L	93
31) 1,1,1-Trichloroethane	7.87	97	35073	2.374 ug/L	97
32) Carbon tetrachloride	8.06	117	35264	2.413 ug/L	100
34) Benzene	8.32	78	94337	2.366 ug/L	100
35) Trichloroethene	9.09	95	25332	2.393 ug/L	99
36) Methylcyclohexane	9.33	83	39586	2.251 ug/L	97
40) 1,2-Dichloropropane	9.37	63	24660	2.389 ug/L	97
41) Bromodichloromethane	9.64	83	30962	2.271 ug/L #	96
42) cis-1,3-Dichloropropene	10.07	75	34070	2.115 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	25947	3.461 ug/L	100
44) Toluene	10.39	91	96765	2.271 ug/L	96

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Quant Title : VOC Analysis
QLast Update : Mon Apr 29 13:05:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.60	75	28912	2.060	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	17176	2.199	ug/L	95
47) Tetrachloroethene	10.86	164	22034	2.525	ug/L	97
49) 2-Hexanone	10.97	43	19646	3.687	ug/L	96
50) Dibromochloromethane	11.13	129	21077	2.182	ug/L	89
51) 1,2-Dibromoethane	11.23	107	15905	2.066	ug/L	97
52) Chlorobenzene	11.66	112	66766	2.399	ug/L	98
53) Ethylbenzene	11.73	91	109181	2.273	ug/L	100
54) m,p-Xylene	11.84	106	40194	2.228	ug/L	96
55) o-xylene	12.17	106	37186	2.173	ug/L	85
56) Styrene	12.18	104	63162	2.142	ug/L	99
57) Isopropylbenzene	12.46	105	101439	2.176	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	21195	2.160	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	15370	2.085	ug/L	94
62) Bromoform	12.35	173	11926	2.112	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	48046	2.279	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	54359	2.461	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	46346	2.339	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	3599	2.115	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	38164	2.356	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	29486	2.257	ug/L	100
69) Naphthalene	15.38	128	53688	1.993	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	26919	2.160	ug/L	99

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

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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.526

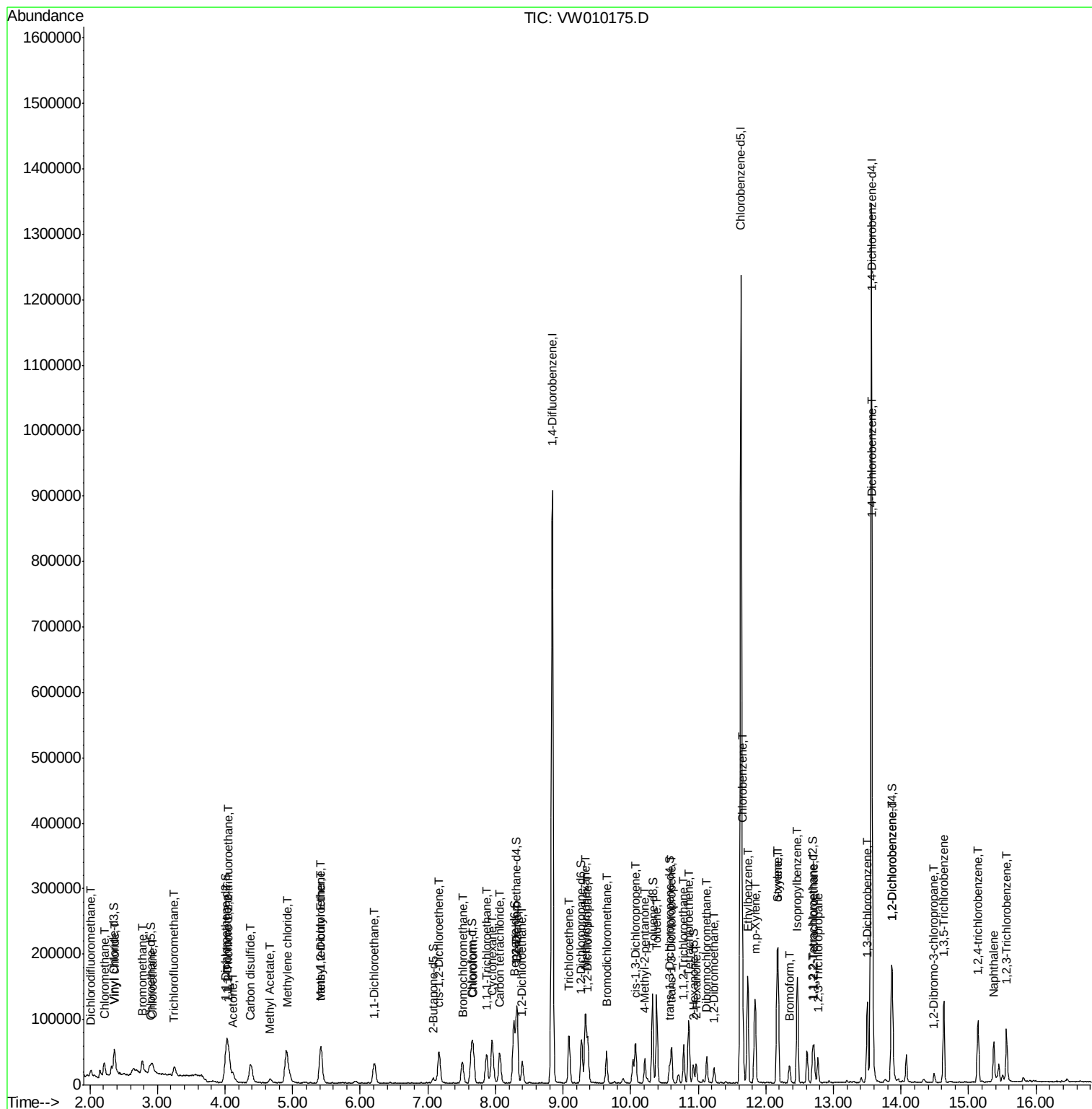
Quant Time: Apr 29 13:24:19 2019

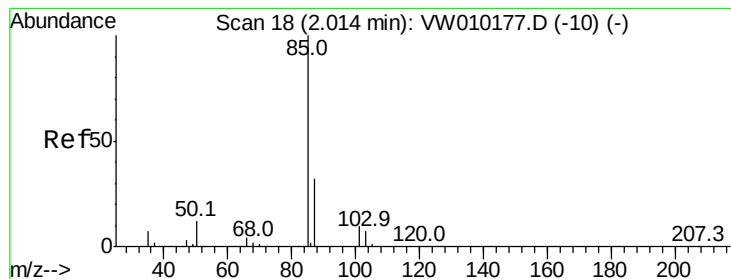
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M

Quant Title : VOC Analysis

QLast Update : Mon Apr 29 13:05:38 2019

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#2

Dichlorodifluoromethane

Concen: 1.655 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

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Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

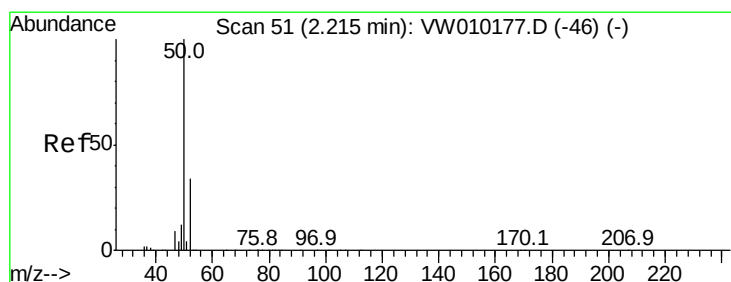
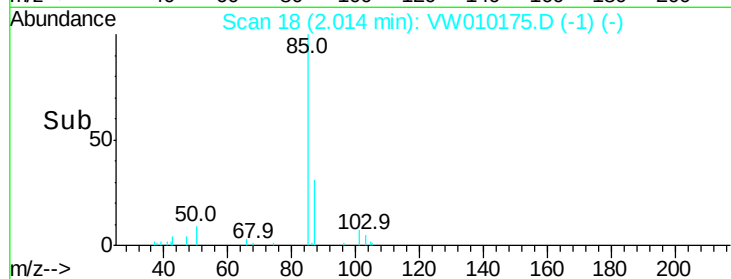
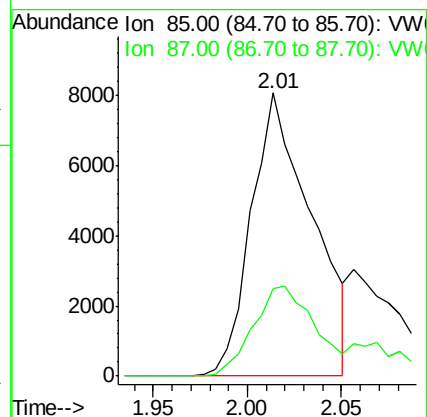
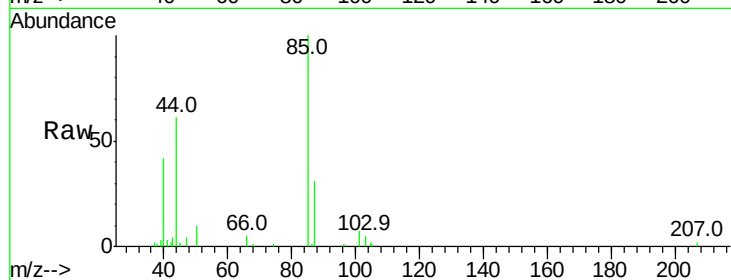
VSTD2.526

Tgt Ion: 85 Resp: 17949

Ion Ratio Lower Upper

85 100

87 32.3 20.6 38.2



#3

Chloromethane

Concen: 2.277 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010175.D

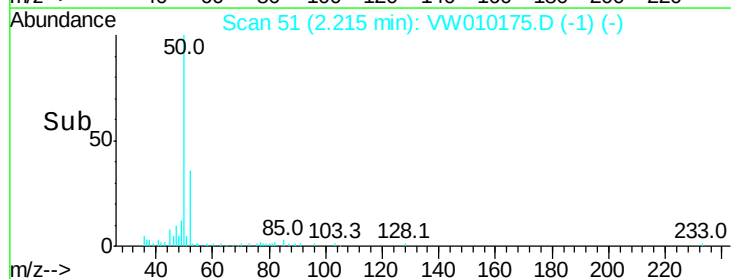
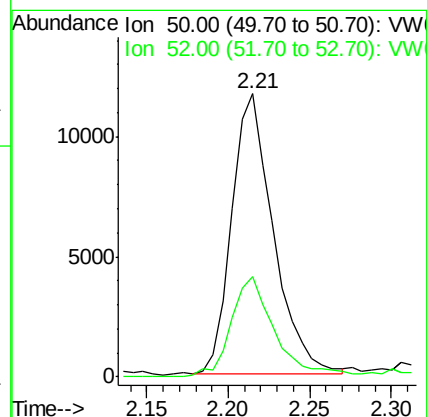
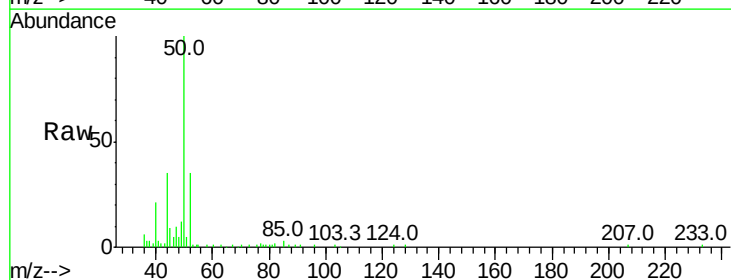
Acq: 29 Apr 2019 10:22

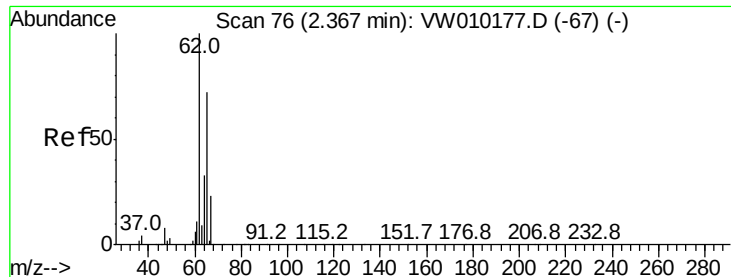
Tgt Ion: 50 Resp: 20689

Ion Ratio Lower Upper

50 100

52 35.5 23.6 43.8





#5

Vinyl chloride

Concen: 2.448 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

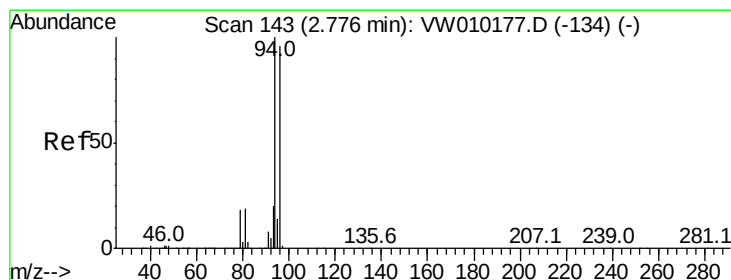
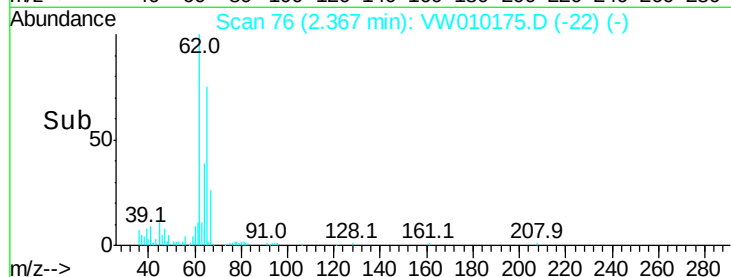
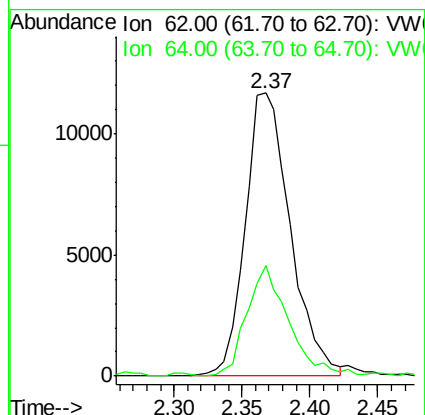
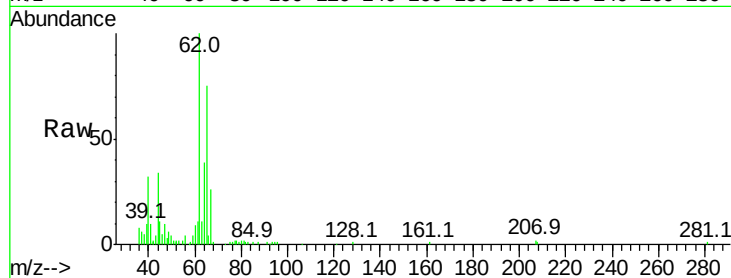
VSTD2.526

Tgt Ion: 62 Resp: 27172

Ion Ratio Lower Upper

62 100

64 39.0 23.3 43.3



#6

Bromomethane

Concen: 2.377 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010175.D

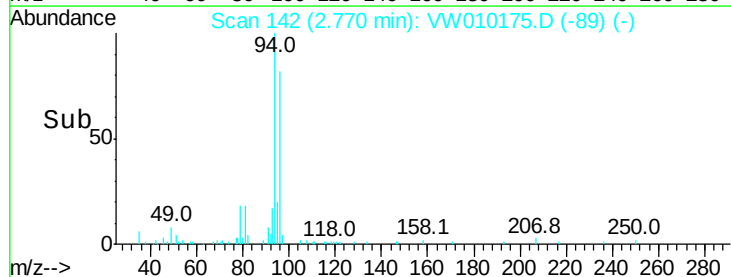
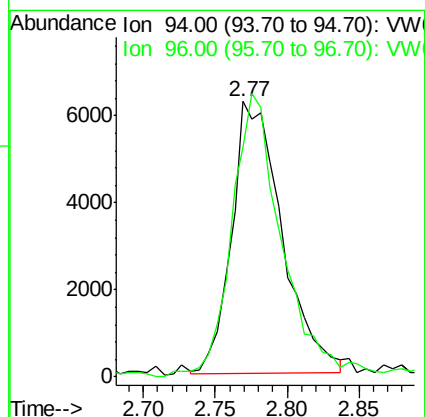
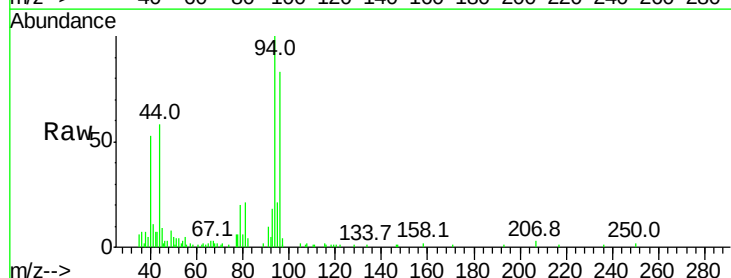
Acq: 29 Apr 2019 10:22

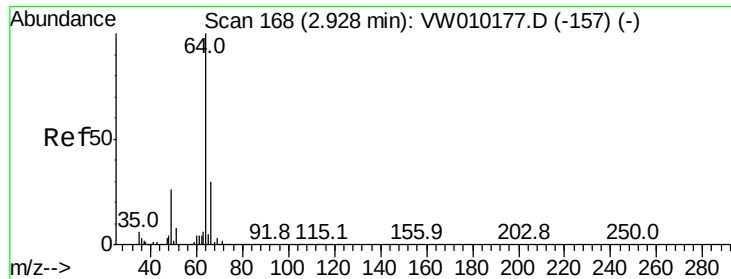
Tgt Ion: 94 Resp: 15262

Ion Ratio Lower Upper

94 100

96 96.3 9.5 180.3





#8

Chloroethane

Concen: 2.467 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

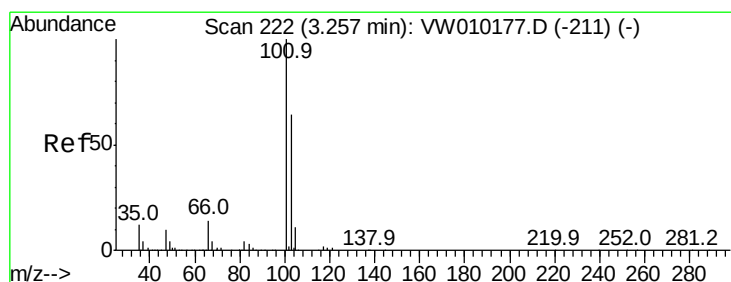
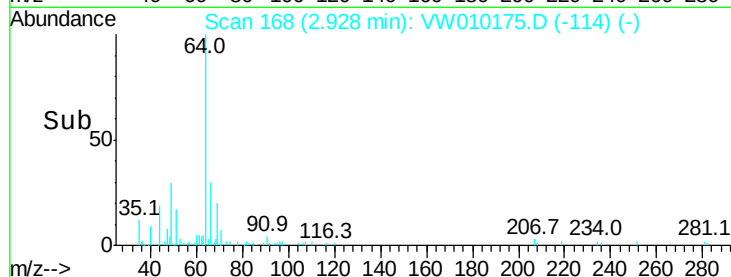
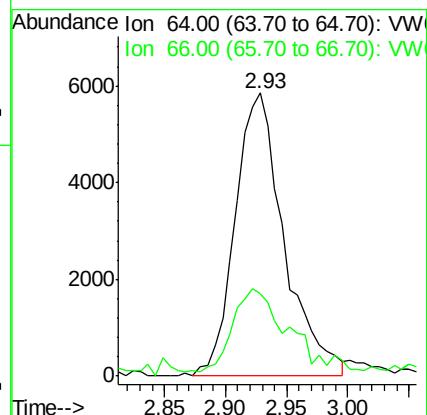
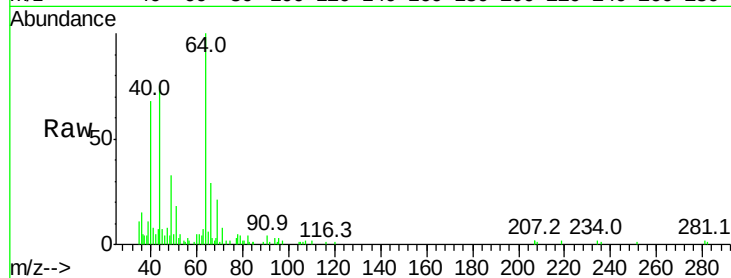
VSTD2.526

Tgt Ion: 64 Resp: 16280

Ion Ratio Lower Upper

64 100

66 29.1 21.3 39.5



#9

Trichlorofluoromethane

Concen: 2.331 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW010175.D

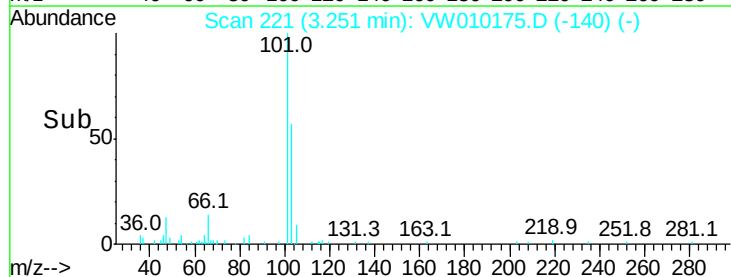
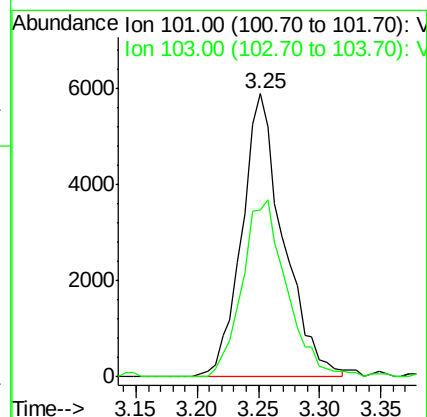
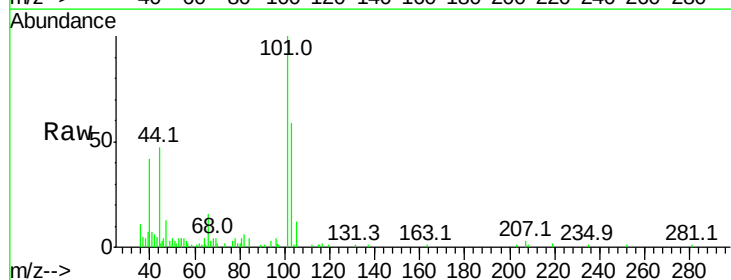
Acq: 29 Apr 2019 10:22

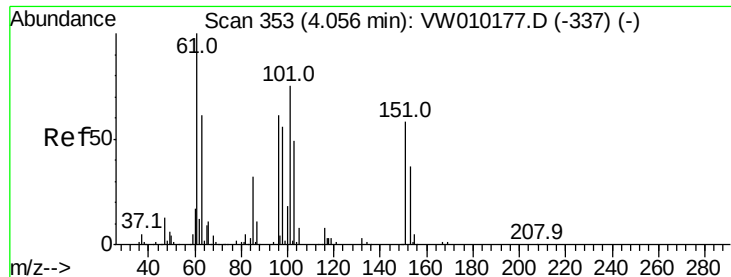
Tgt Ion: 101 Resp: 13953

Ion Ratio Lower Upper

101 100

103 66.8 45.5 84.5





#11

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

Concen: 2.467 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.526

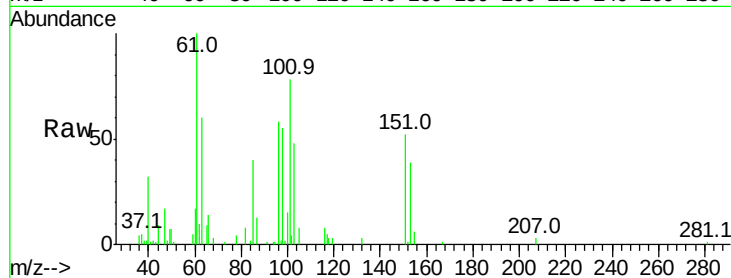
Tgt Ion:101 Resp: 22760

Ion Ratio Lower Upper

101 100

85 26.4 33.8 50.6#

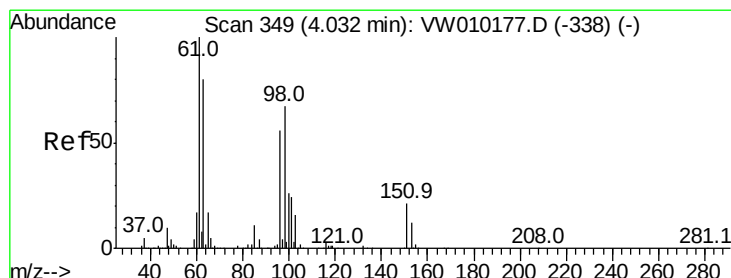
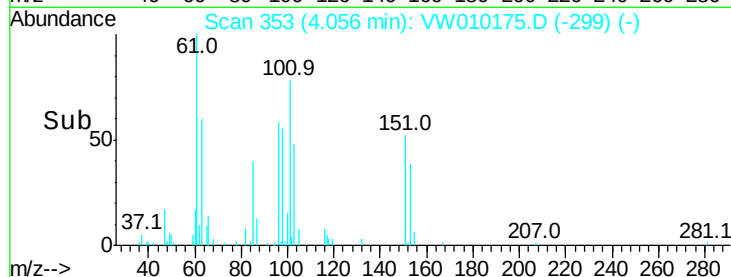
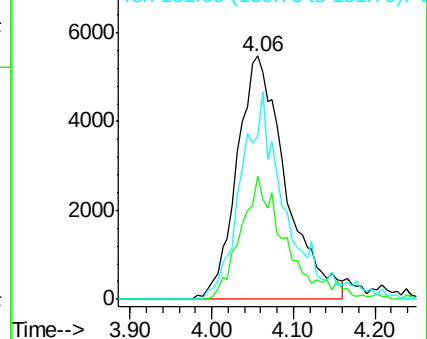
151 5.0 62.6 93.8#



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: 2.334 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

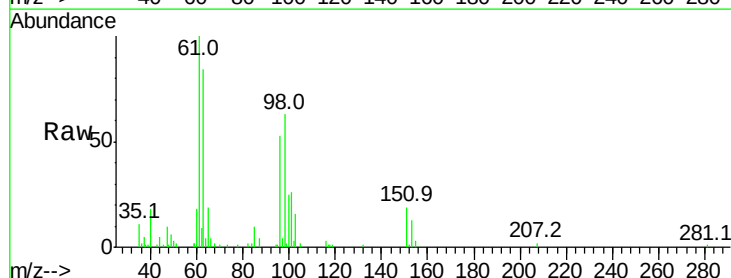
Tgt Ion: 96 Resp: 21956

Ion Ratio Lower Upper

96 100

61 189.6 125.2 232.6

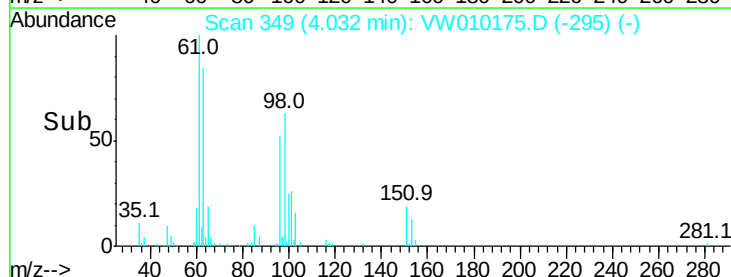
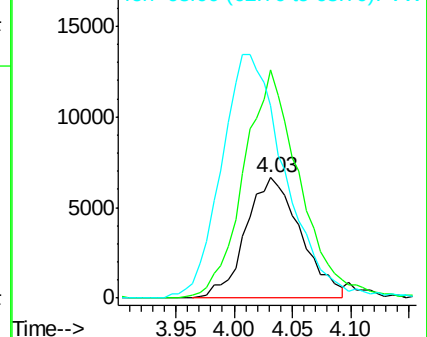
63 159.5 106.3 197.3

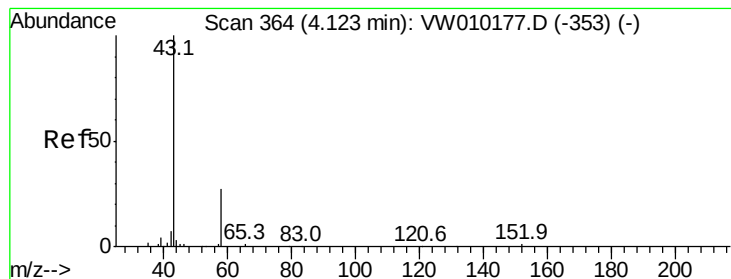


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.611 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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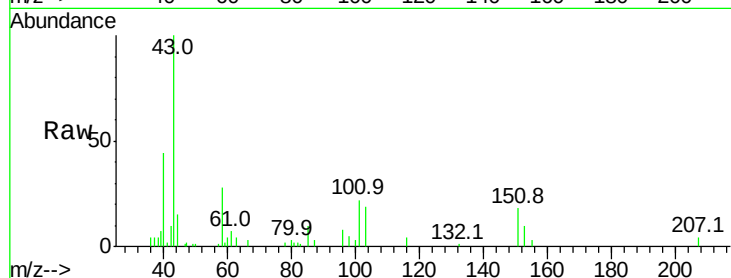
VSTD2.526

Tgt Ion: 43 Resp: 14157

Ion Ratio Lower Upper

43 100

58 25.1 0.0 59.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

6000

5000

4000

3000

2000

1000

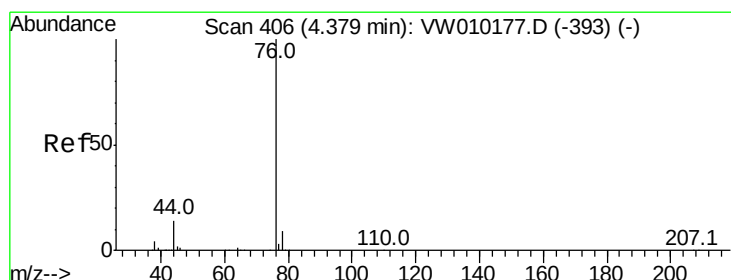
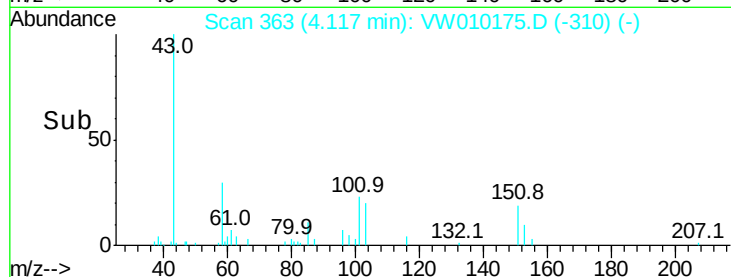
0

4.12

4.10

4.20

Time-->



#14

Carbon disulfide

Concen: 2.398 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010175.D

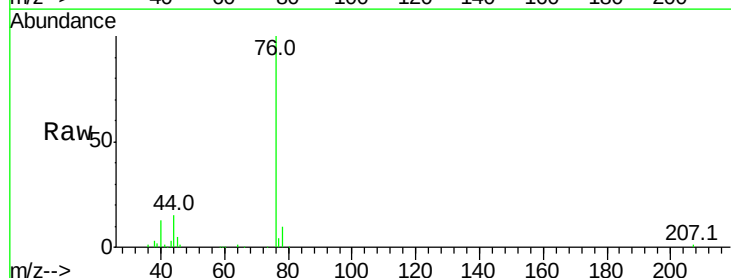
Acq: 29 Apr 2019 10:22

Tgt Ion: 76 Resp: 63859

Ion Ratio Lower Upper

76 100

78 9.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

20000

15000

10000

5000

0

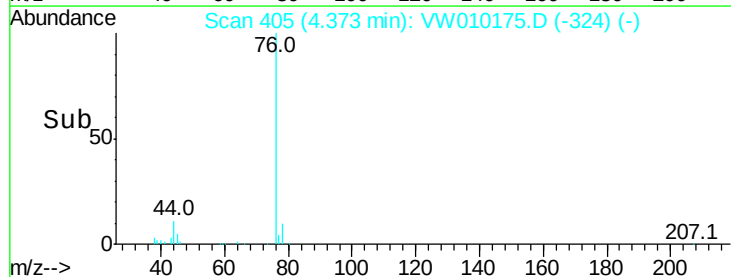
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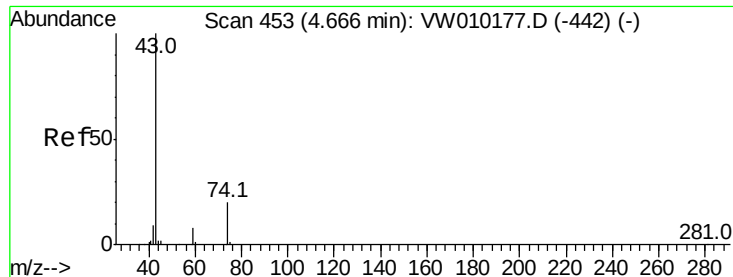
4.30

4.40

4.50

Time-->





#15

Methyl Acetate

Concen: 2.122 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

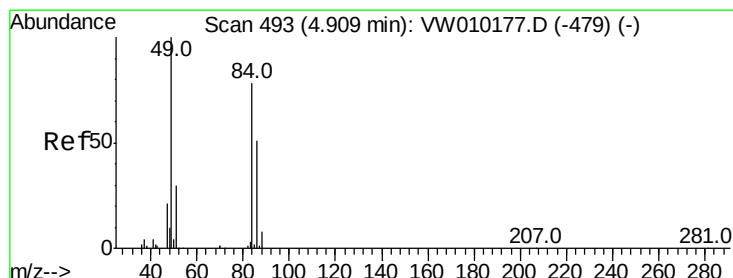
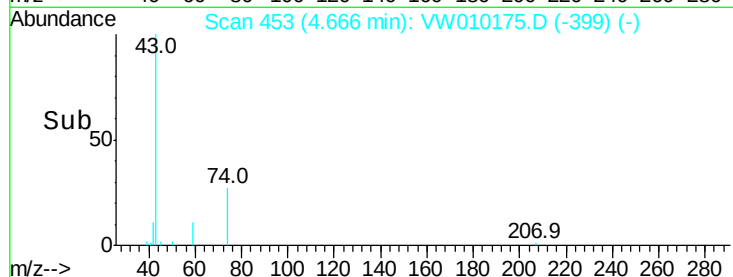
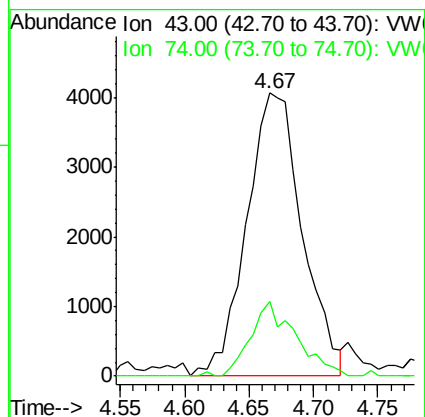
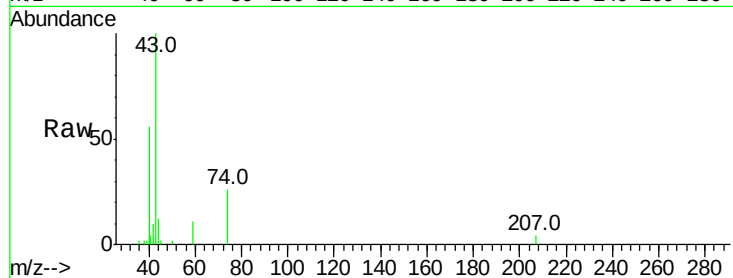
VSTD2.526

Tgt Ion: 43 Resp: 12187

Ion Ratio Lower Upper

43 100

74 12.3 17.5 26.3#



#16

Methylene chloride

Concen: 3.487 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

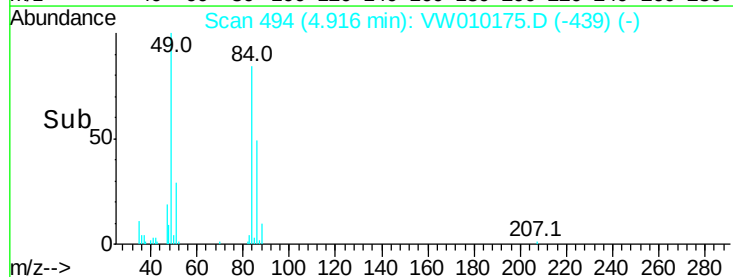
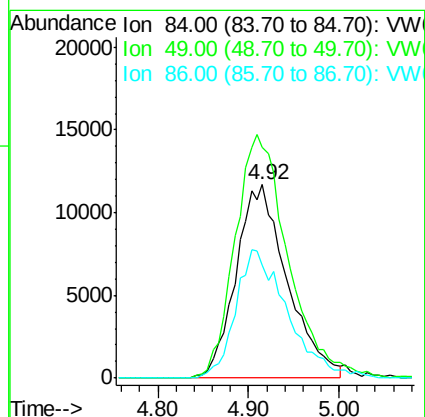
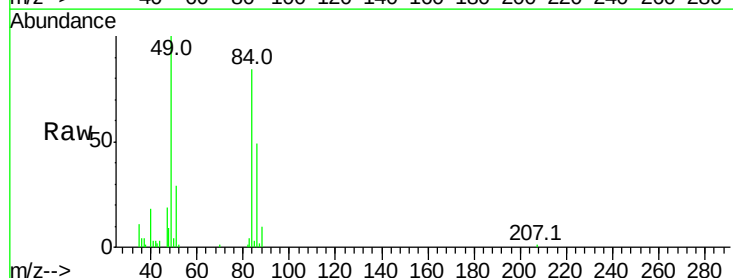
Tgt Ion: 84 Resp: 45855

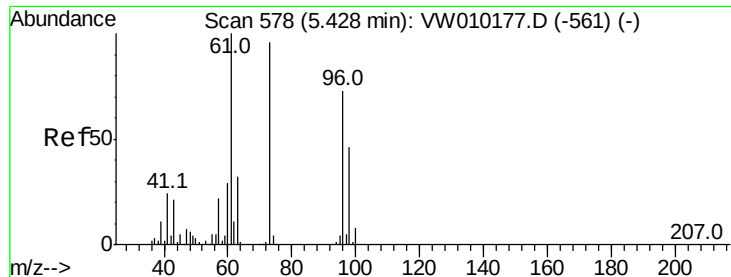
Ion Ratio Lower Upper

84 100

49 119.1 90.2 167.6

86 58.5 46.3 86.1

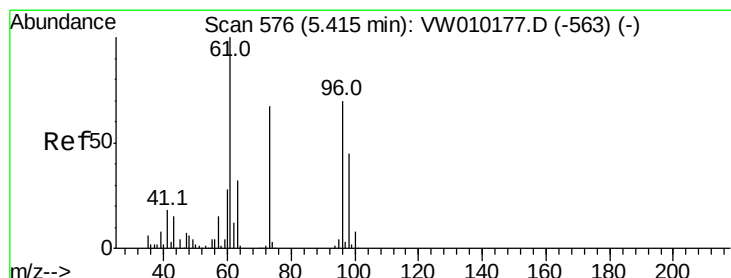
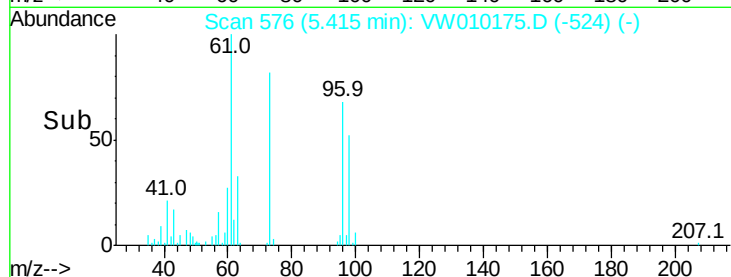
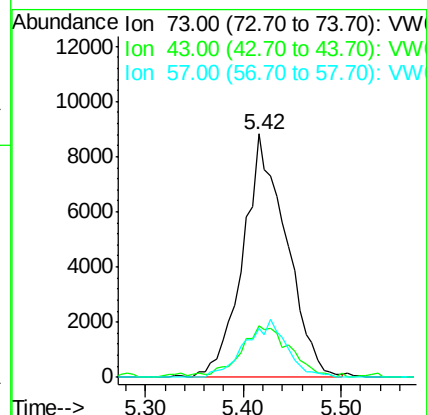
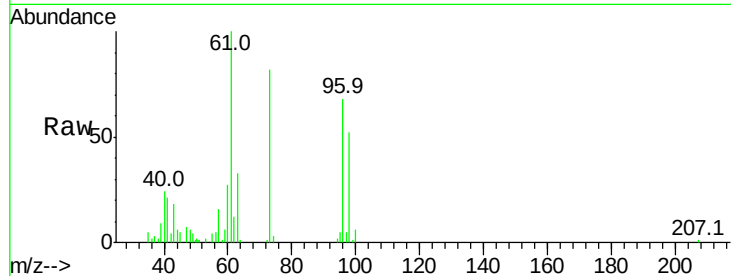




#17
Methyl tert-butyl Ether
Concen: 2.200 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW010175.D
Acq: 29 Apr 2019 10:22

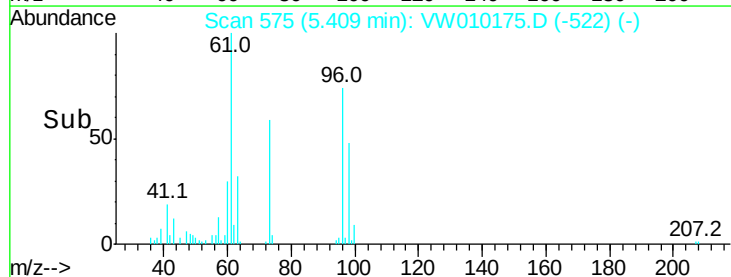
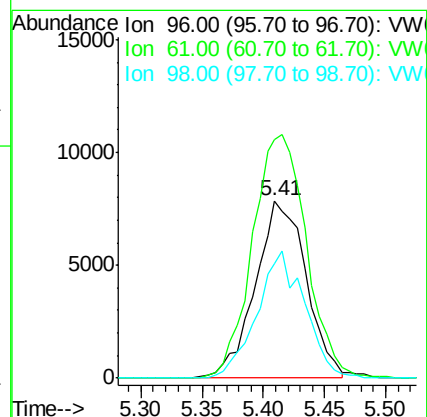
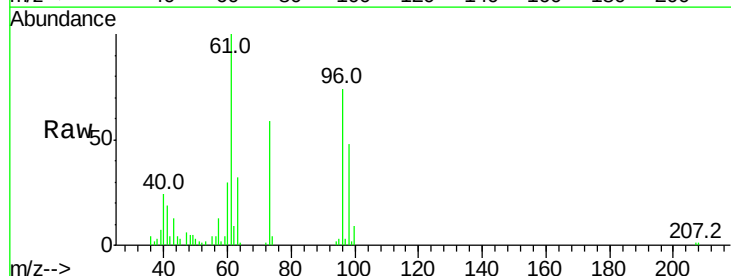
Instrument :
MSVOA_W
ClientSampled :
VSTD2.526

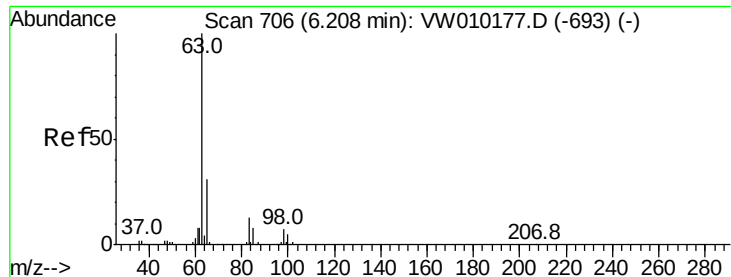
Tgt Ion: 73 Resp: 27184
Ion Ratio Lower Upper
73 100
43 22.2 17.5 26.3
57 22.2 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 2.284 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW010175.D
Acq: 29 Apr 2019 10:22

Tgt Ion: 96 Resp: 22732
Ion Ratio Lower Upper
96 100
61 134.5 99.4 184.6
98 64.6 44.8 83.2





#19

1,1-Dichloroethane

Concen: 2.354 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.526

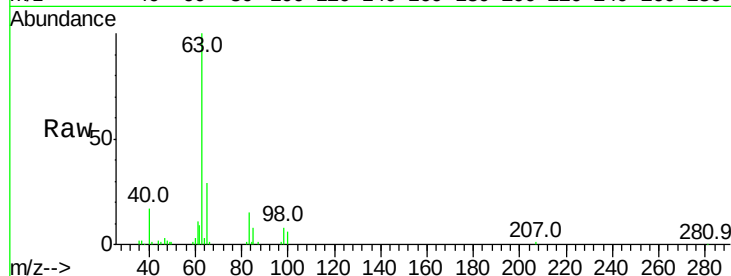
Tgt Ion: 63 Resp: 43243

Ion Ratio Lower Upper

63 100

65 28.8 22.0 40.8

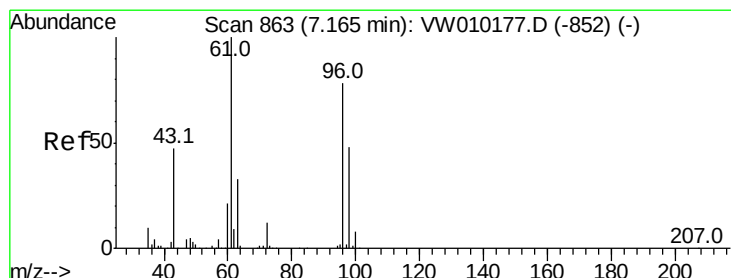
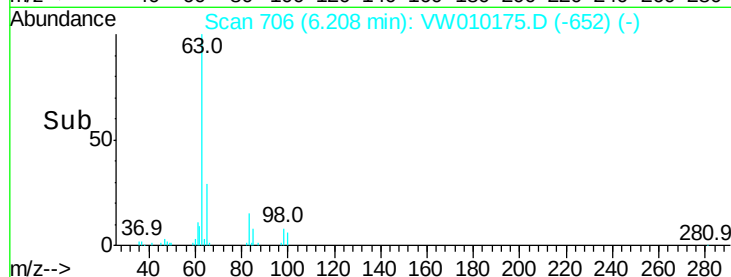
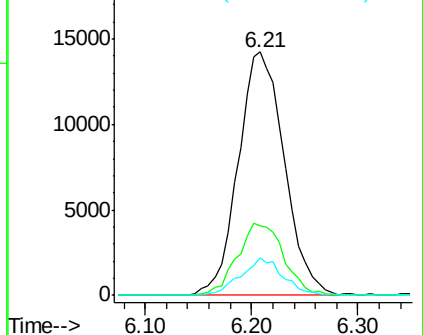
83 15.2 8.8 16.4



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



#22

cis-1,2-Dichloroethene

Concen: 2.172 ug/L

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

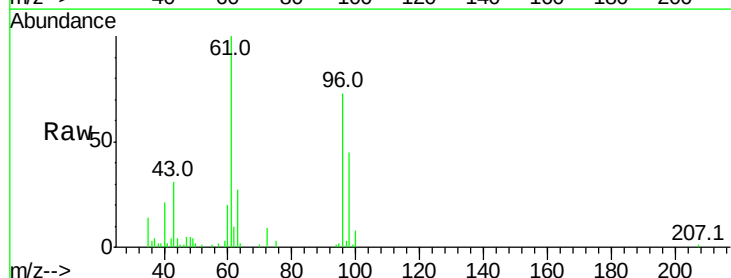
Tgt Ion: 96 Resp: 23257

Ion Ratio Lower Upper

96 100

61 136.8 90.0 167.2

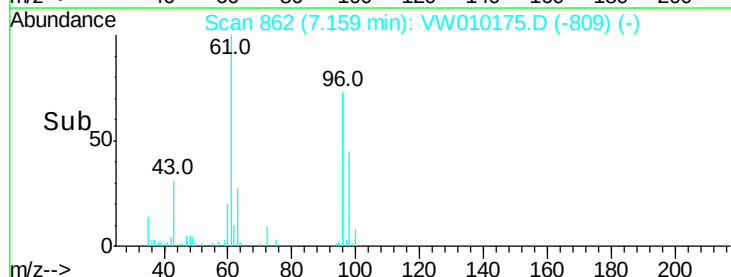
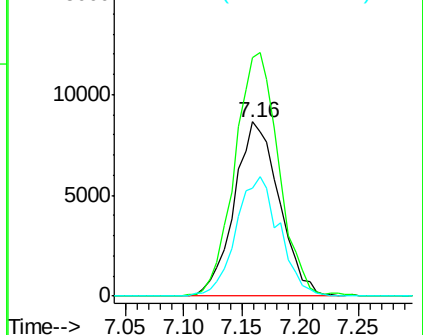
98 61.9 42.8 79.6

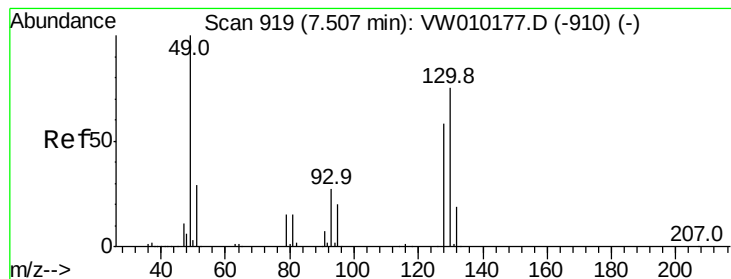


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#23

Bromochloromethane

Concen: 2.284 ug/L

RT: 7.51 min Scan# 920

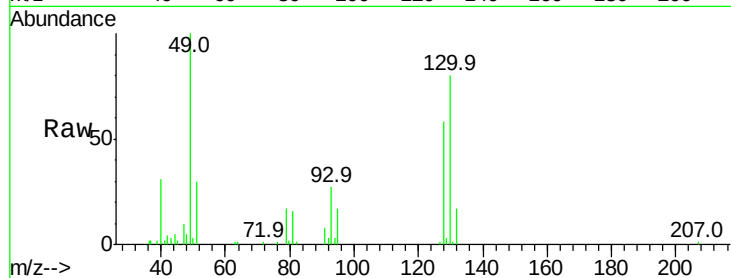
Delta R.T. 0.01 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.526

Tgt Ion:	128	Resp:	11227
Ion	Ratio	Lower	Upper
128	100		
49	172.1	121.7	225.9
130	138.1	91.1	169.1
51	51.2	40.7	61.1

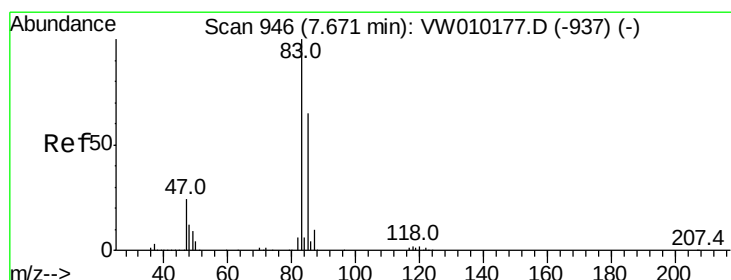
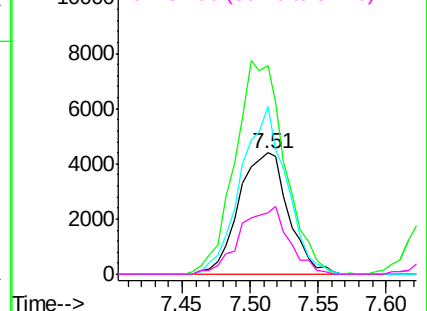
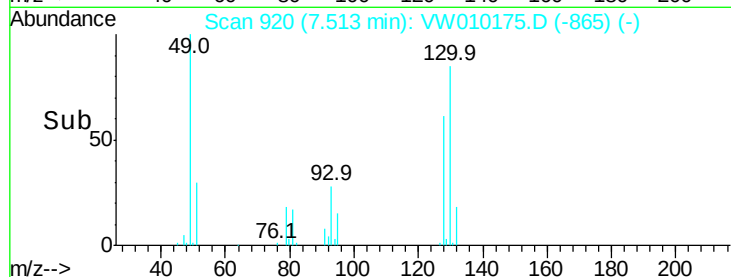


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV



#25

Chloroform

Concen: 2.317 ug/L

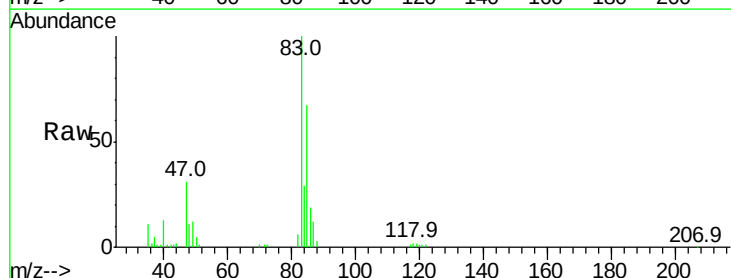
RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010175.D

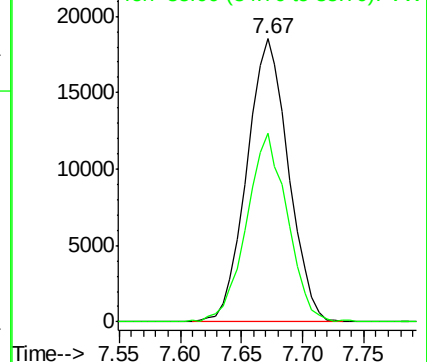
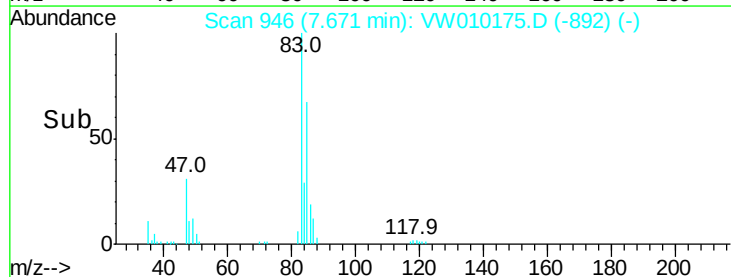
Acq: 29 Apr 2019 10:22

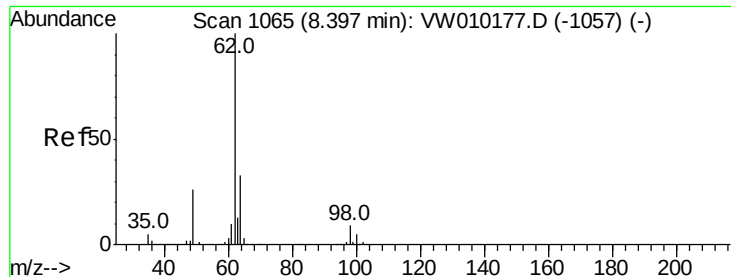
Tgt Ion:	83	Resp:	43860
Ion	Ratio	Lower	Upper
83	100		
85	65.4	46.3	85.9



Abundance Ion 83.00 (82.70 to 83.70): VV

Ion 85.00 (84.70 to 85.70): VV

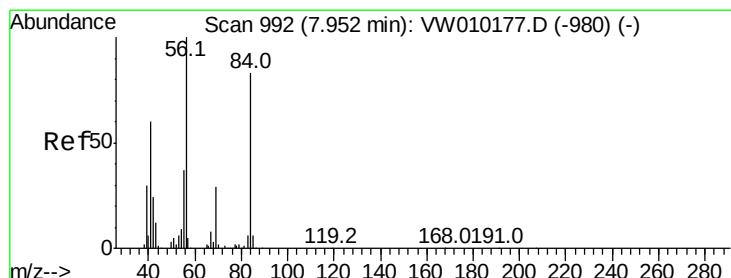
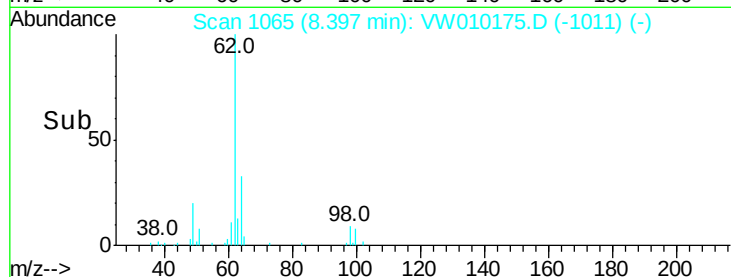
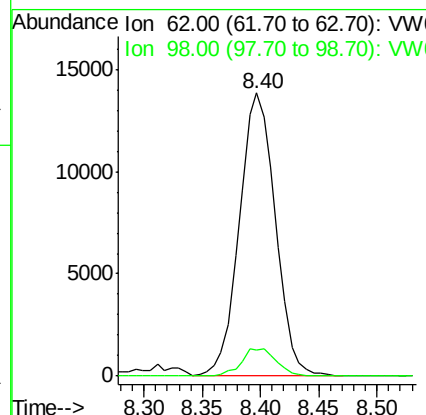
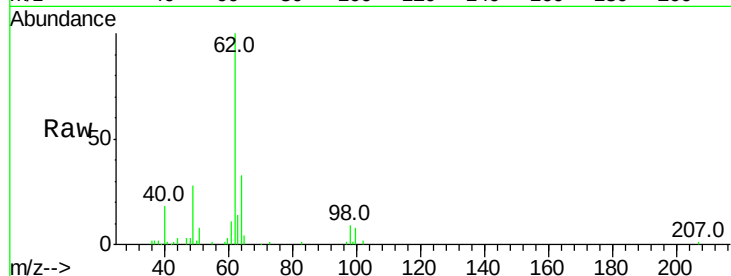




#27
 1,2-Dichloroethane
 Concen: 2.218 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW010175.D
 Acq: 29 Apr 2019 10:22

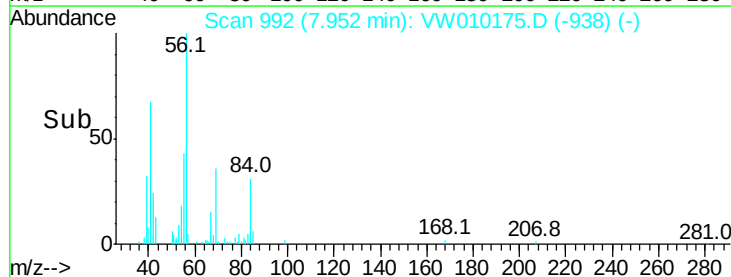
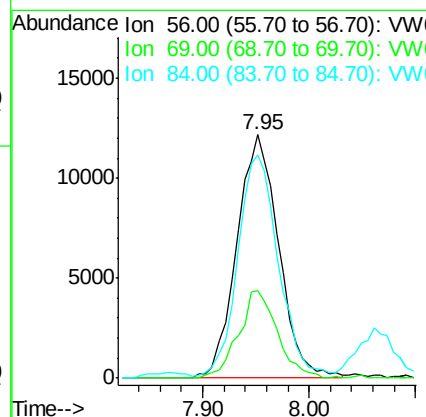
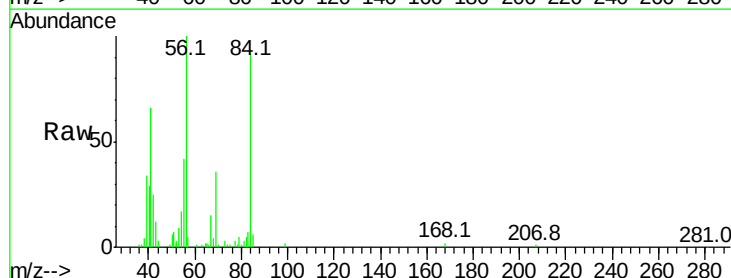
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.526

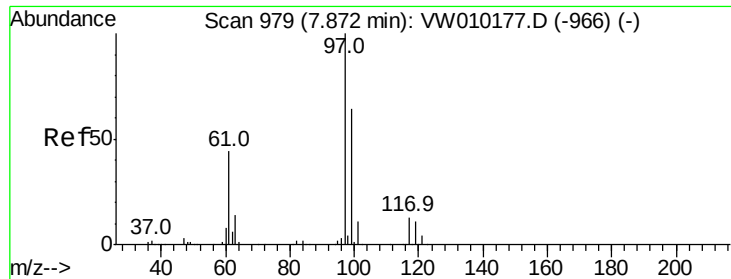
Tgt Ion: 62 Resp: 29898
 Ion Ratio Lower Upper
 62 100
 98 9.1 7.0 10.6



#30
 Cyclohexane
 Concen: 2.083 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VW010175.D
 Acq: 29 Apr 2019 10:22

Tgt Ion: 56 Resp: 33496
 Ion Ratio Lower Upper
 56 100
 69 33.2 23.4 35.2
 84 90.0 67.0 100.6





#31

1,1,1-Trichloroethane

Concen: 2.374 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.526

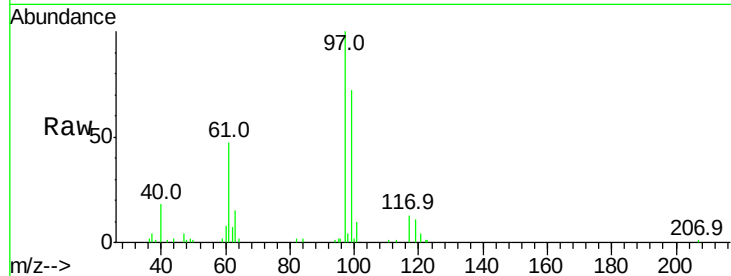
Tgt Ion: 97 Resp: 35073

Ion Ratio Lower Upper

97 100

99 67.4 51.0 76.4

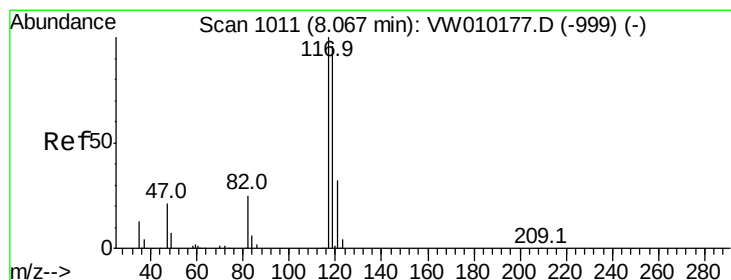
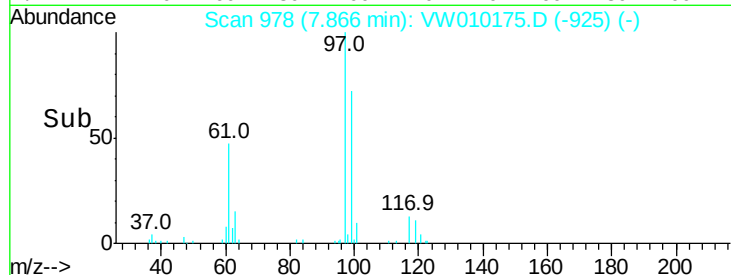
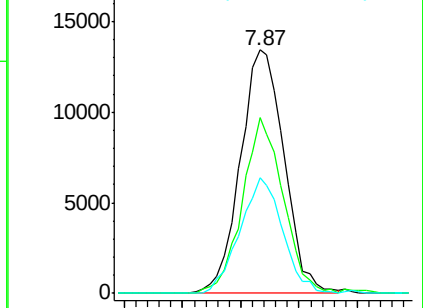
61 46.2 36.2 54.4



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: 2.413 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010175.D

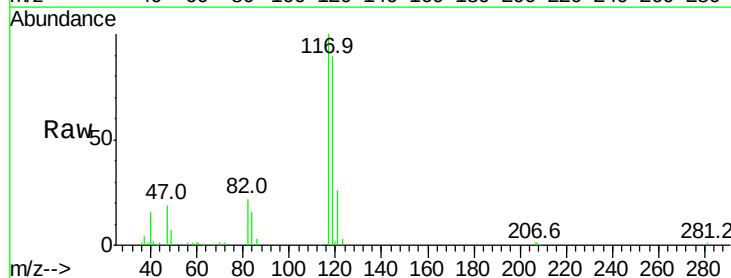
Acq: 29 Apr 2019 10:22

Tgt Ion: 117 Resp: 35264

Ion Ratio Lower Upper

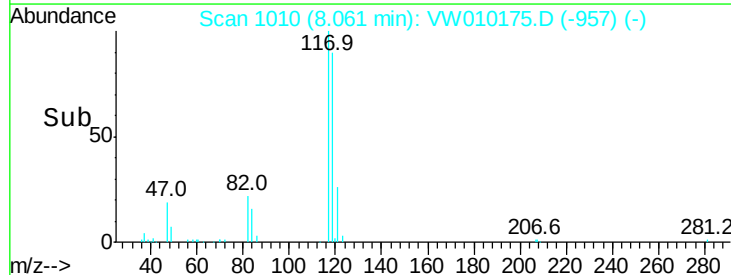
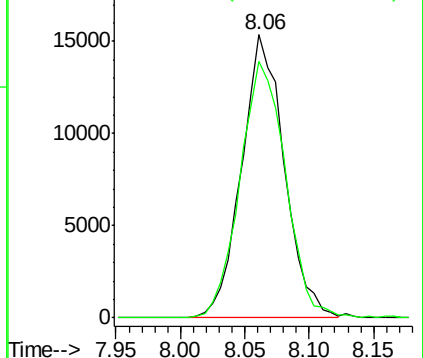
117 100

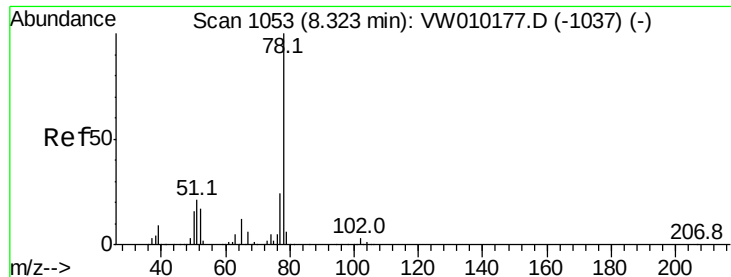
119 96.5 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 2.366 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

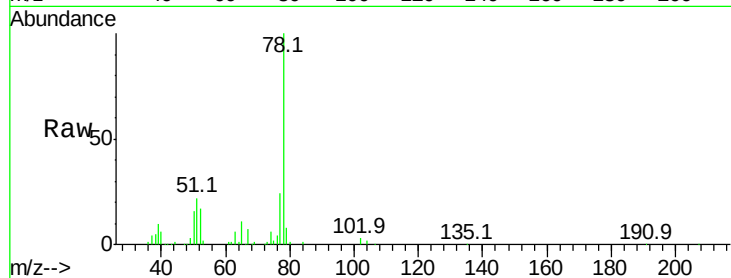
Instrument :

MSVOA_W

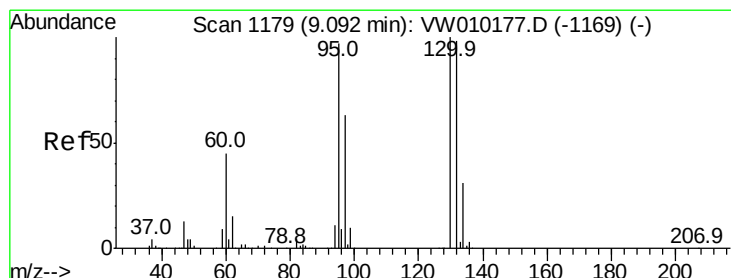
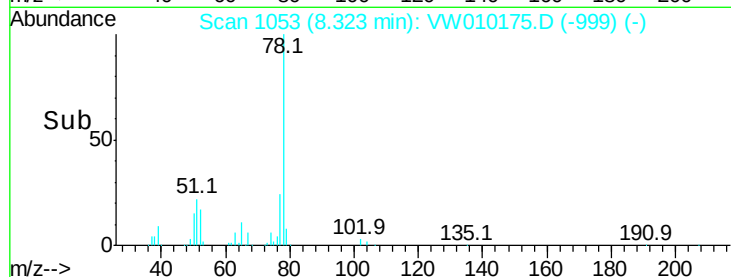
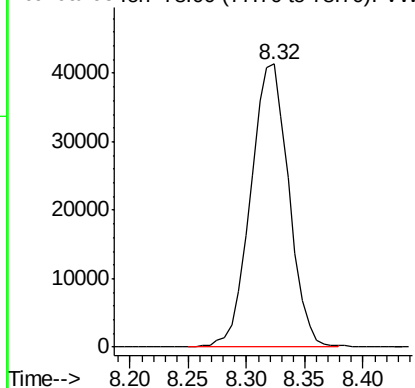
ClientSampleId :

VSTD2.526

Tgt Ion: 78 Resp: 94337



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.393 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Tgt Ion: 95 Resp: 25332

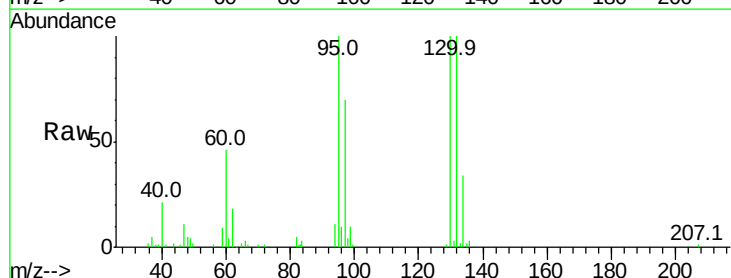
Ion	Ratio	Lower	Upper
95	100		
97	65.8	45.4	84.2
132	98.2	69.2	128.6
130	101.1	72.2	134.2

95 100

97 65.8 45.4 84.2

132 98.2 69.2 128.6

130 101.1 72.2 134.2

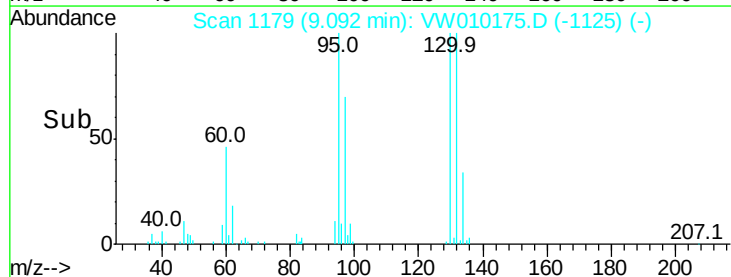
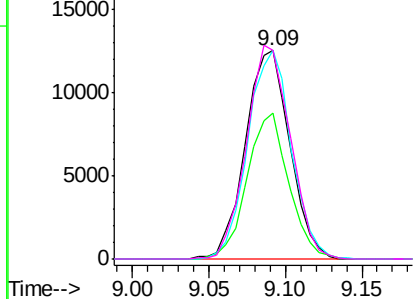


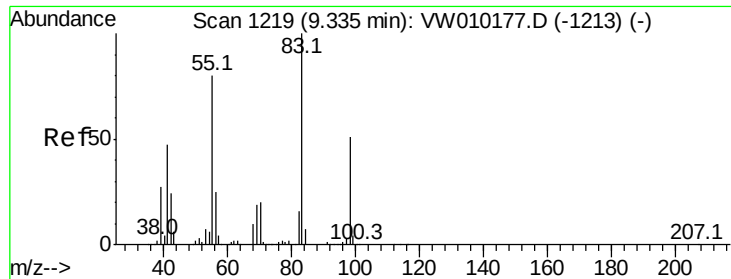
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

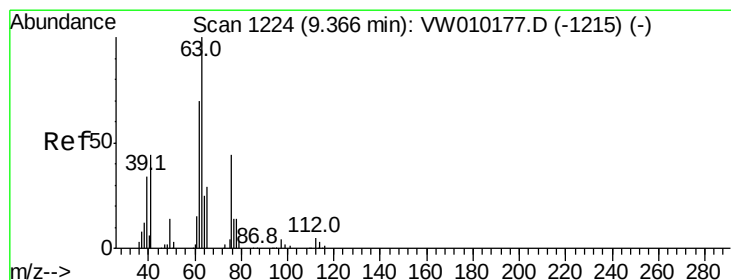
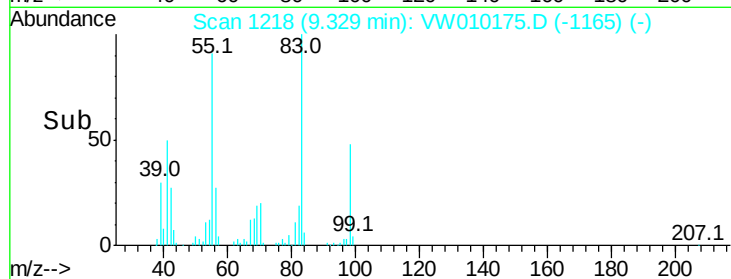
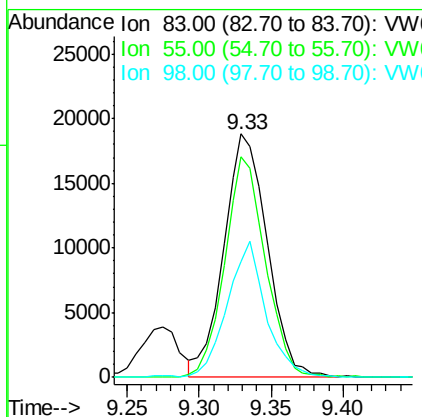
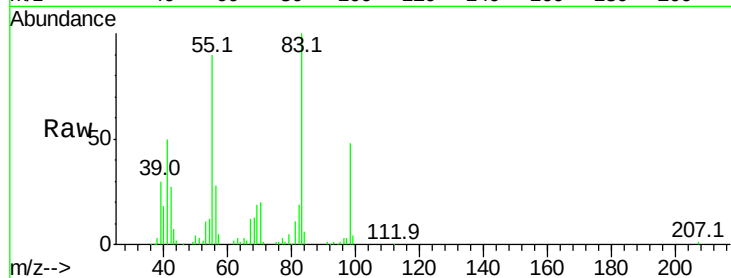




#36
Methylcyclohexane
Concen: 2.251 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010175.D
Acq: 29 Apr 2019 10:22

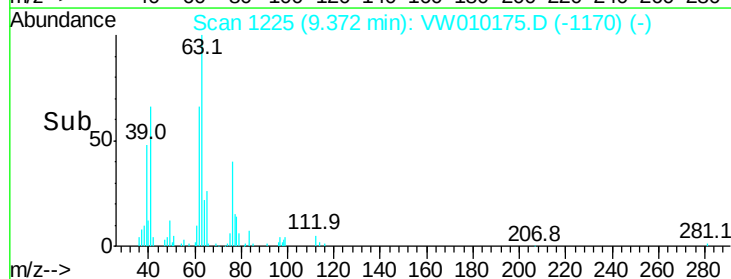
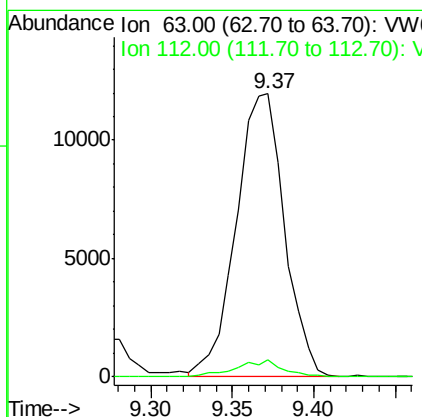
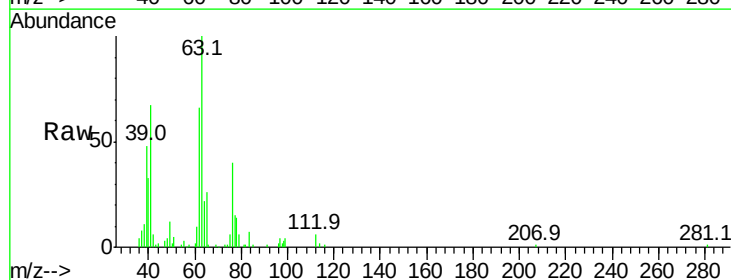
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.526

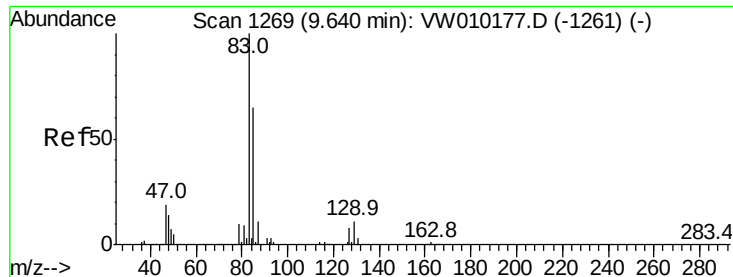
Tgt Ion: 83 Resp: 39586
Ion Ratio Lower Upper
83 100
55 84.8 64.5 96.7
98 49.6 39.4 59.2



#40
1,2-Dichloropropane
Concen: 2.389 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VW010175.D
Acq: 29 Apr 2019 10:22

Tgt Ion: 63 Resp: 24660
Ion Ratio Lower Upper
63 100
112 5.7 3.8 5.8





#41

Bromodichloromethane

Concen: 2.271 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.526

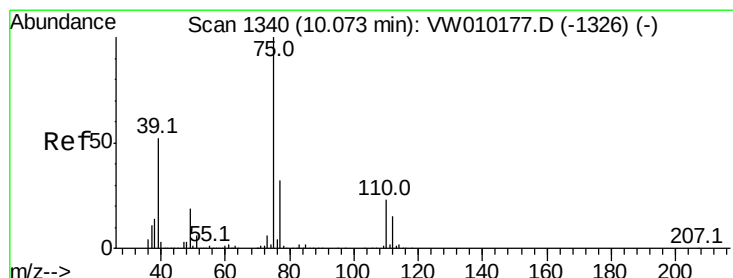
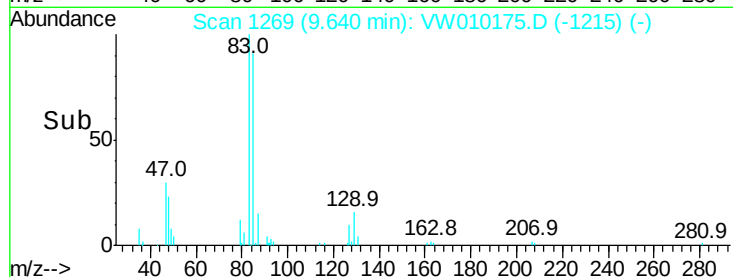
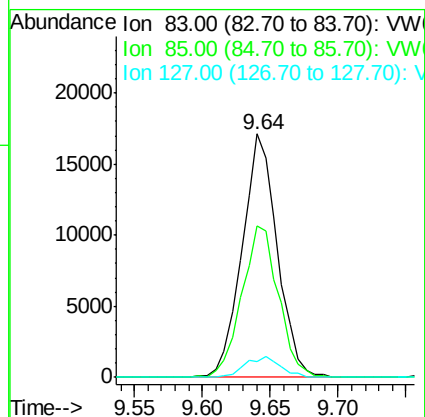
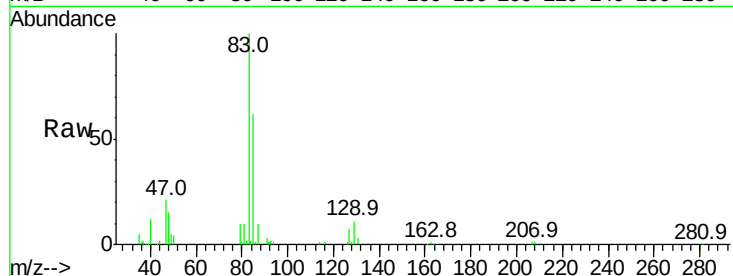
Tgt Ion: 83 Resp: 30962

Ion Ratio Lower Upper

83 100

85 62.2 45.8 85.0

127 6.6 6.6 10.0#



#42

cis-1,3-Dichloropropene

Concen: 2.115 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010175.D

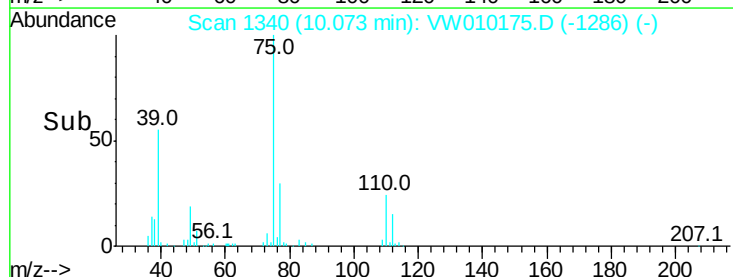
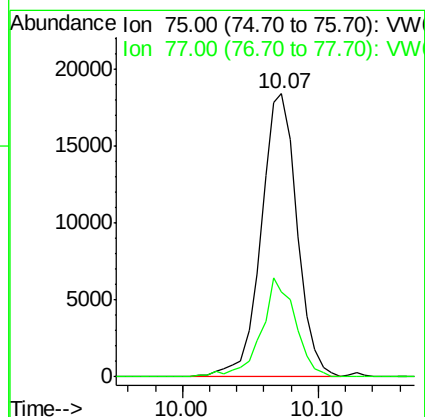
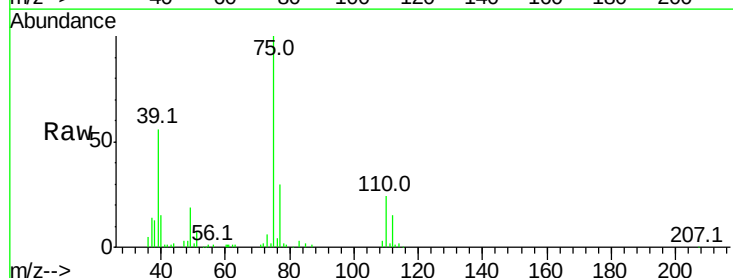
Acq: 29 Apr 2019 10:22

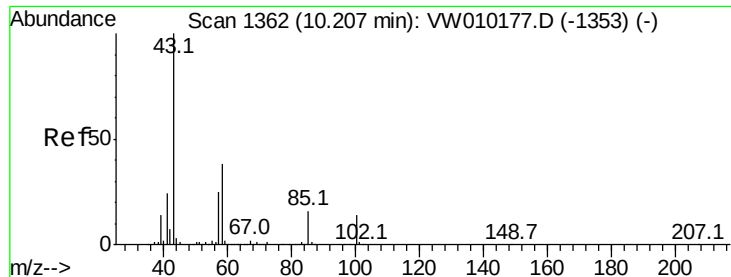
Tgt Ion: 75 Resp: 34070

Ion Ratio Lower Upper

75 100

77 30.2 22.1 41.1

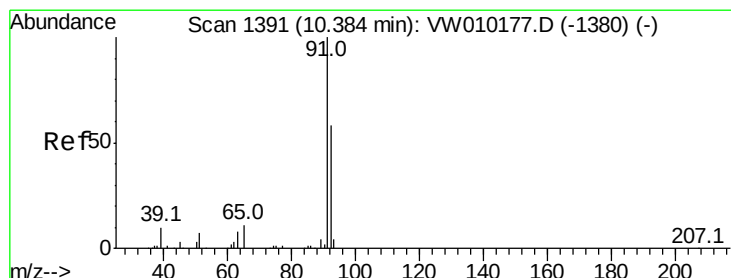
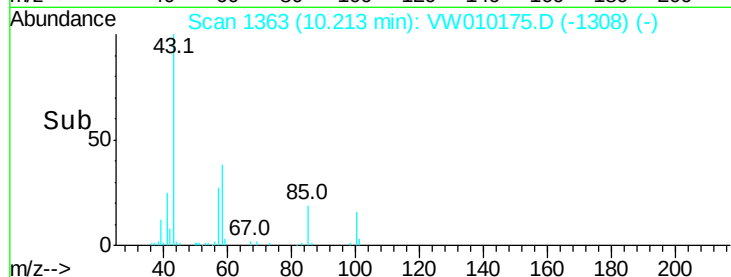
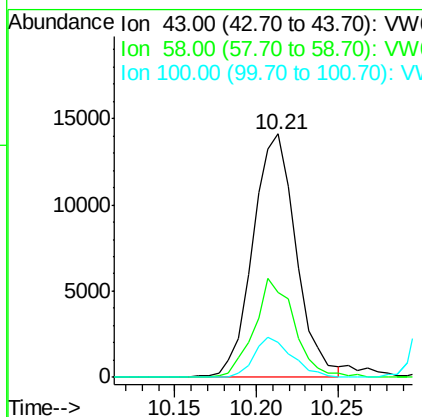
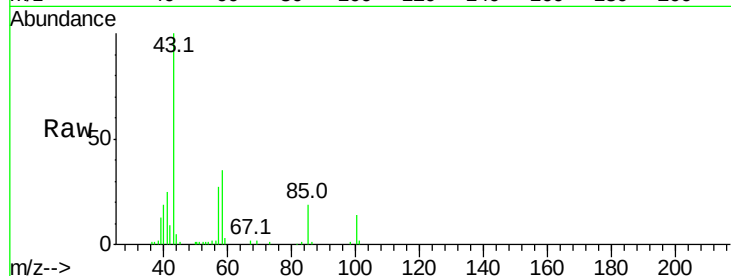




#43
4-Methyl-2-pentanone
Concen: 3.461 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW010175.D
Acq: 29 Apr 2019 10:22

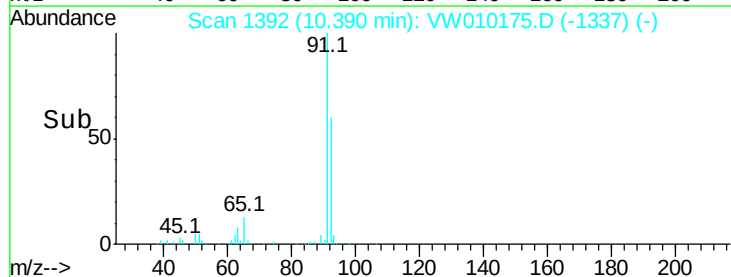
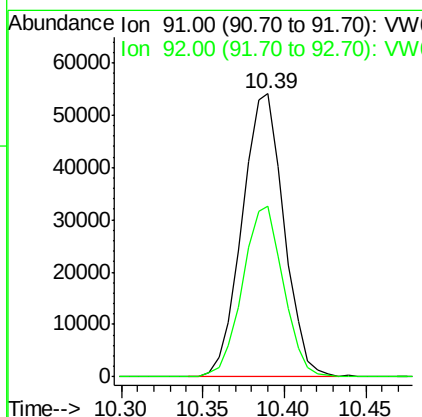
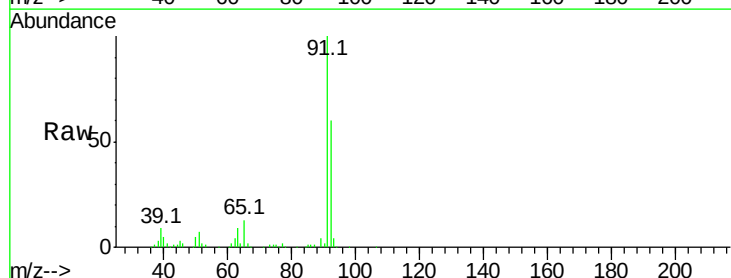
Instrument :
MSVOA_W
ClientSampled :
VSTD2.526

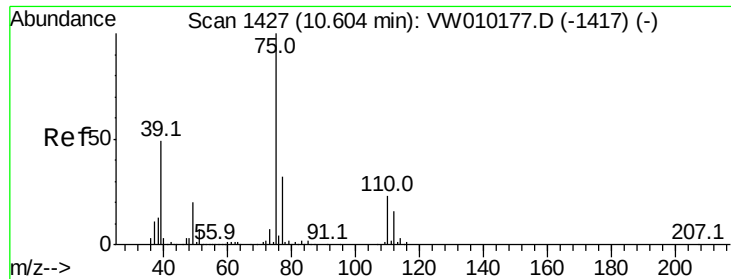
Tgt Ion: 43 Resp: 25947
Ion Ratio Lower Upper
43 100
58 37.7 30.3 45.5
100 14.7 11.9 17.9



#44
Toluene
Concen: 2.271 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW010175.D
Acq: 29 Apr 2019 10:22

Tgt Ion: 91 Resp: 96765
Ion Ratio Lower Upper
91 100
92 60.3 40.4 75.0





#45

trans-1,3-Dichloropropene

Concen: 2.060 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

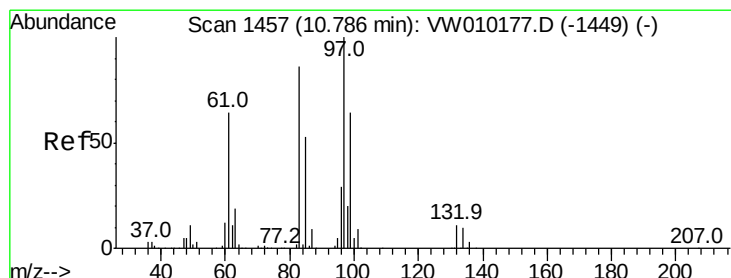
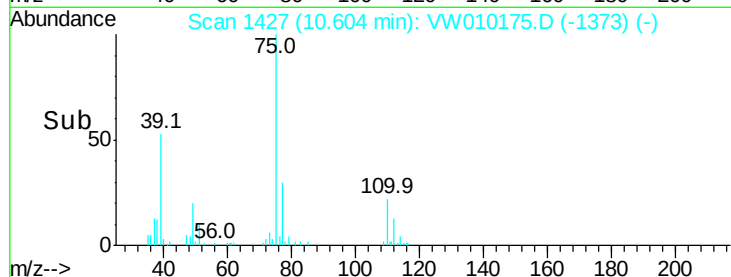
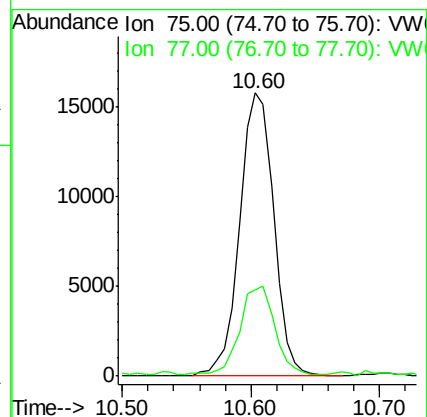
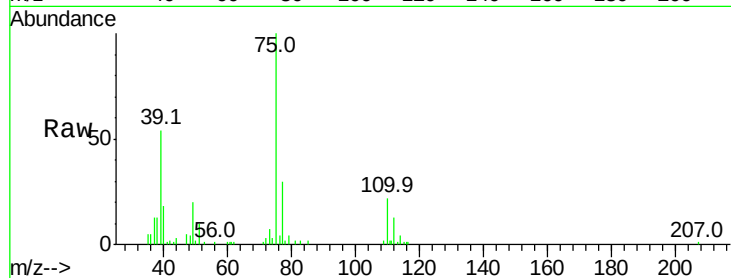
VSTD2.526

Tgt Ion: 75 Resp: 28912

Ion Ratio Lower Upper

75 100

77 30.3 22.4 41.6



#46

1,1,2-Trichloroethane

Concen: 2.199 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Tgt Ion: 97 Resp: 17176

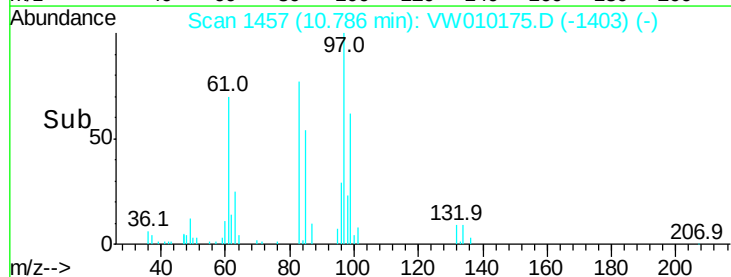
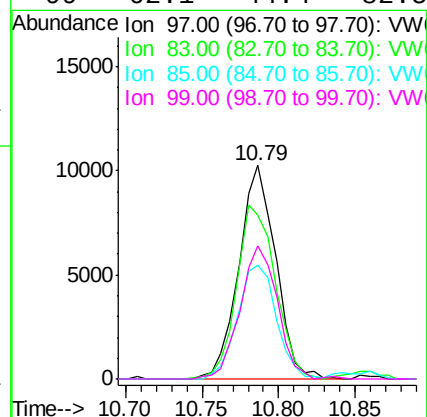
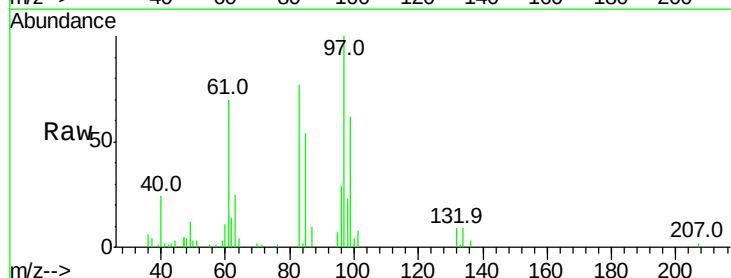
Ion Ratio Lower Upper

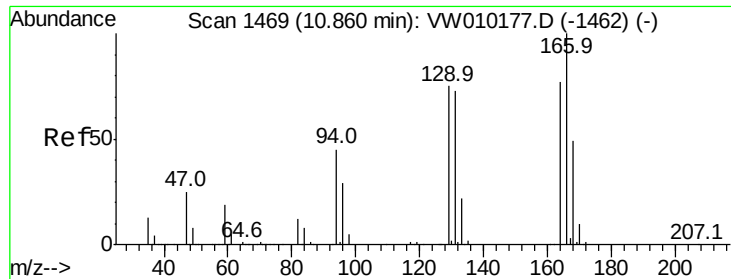
97 100

83 76.5 60.0 111.4

85 53.6 36.8 68.4

99 62.1 44.4 82.5





#47

Tetrachloroethene

Concen: 2.525 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010175.D

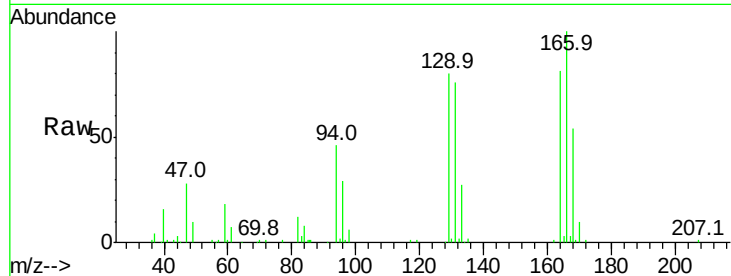
Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.526



Tgt Ion:164 Resp: 22034

Ion Ratio Lower Upper

164 100

129 99.4 68.3 126.9

131 94.8 66.8 124.0

166 124.0 91.1 169.3

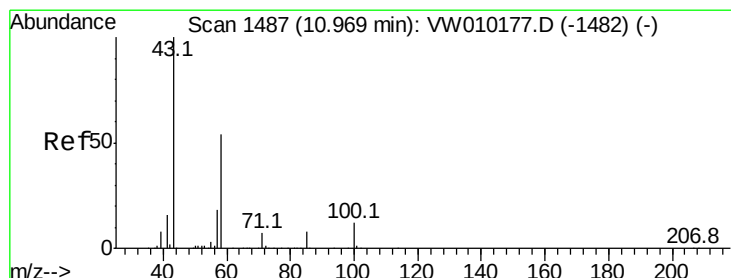
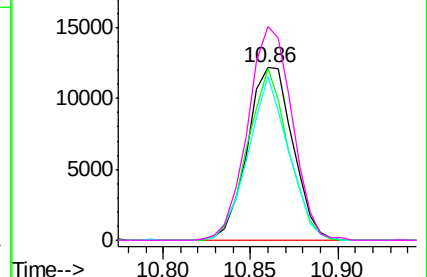
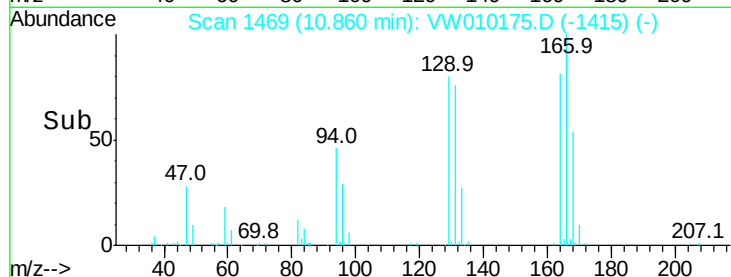
Abundance Ion 164.00 (163.70 to 164.70): V

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

Time-->



#49

2-Hexanone

Concen: 3.687 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Tgt Ion: 43 Resp: 19646

Ion Ratio Lower Upper

43 100

58 47.3 41.4 62.2

57 18.2 14.8 22.2

100 10.9 9.3 13.9

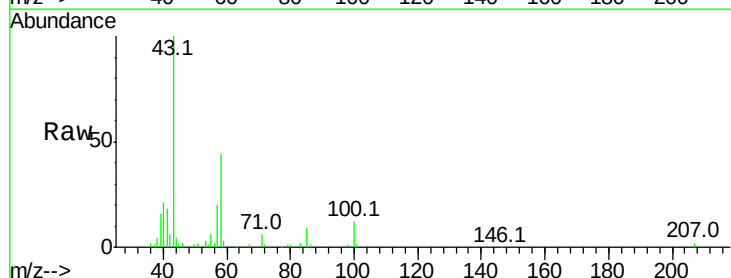
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

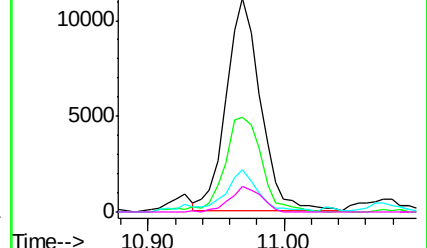
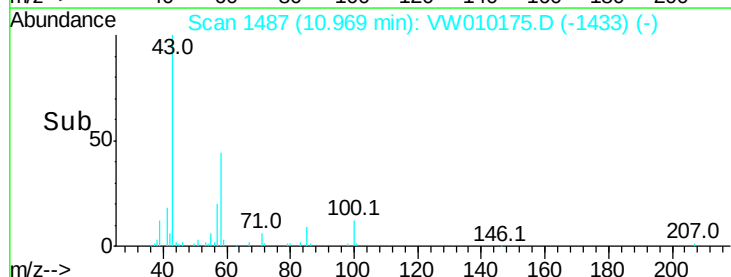
Ion 57.00 (56.70 to 57.70): VW

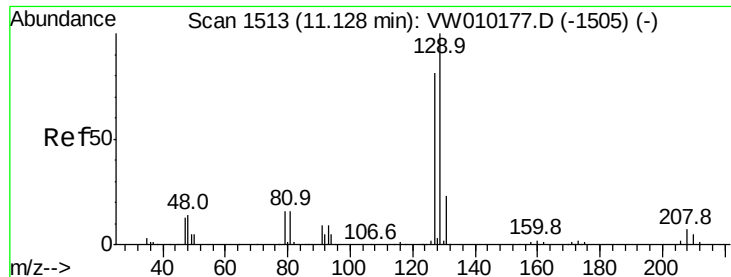
Ion 100.00 (99.70 to 100.70): VW

Time-->



Abundance





#50

Dibromochloromethane

Concen: 2.182 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

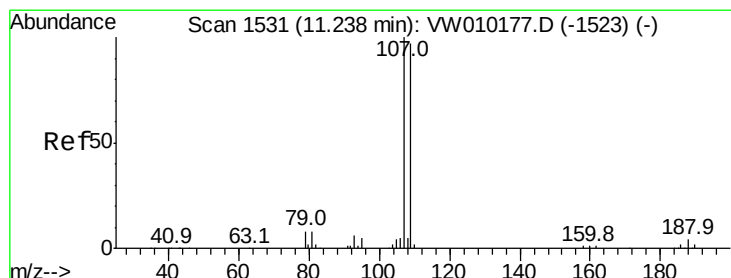
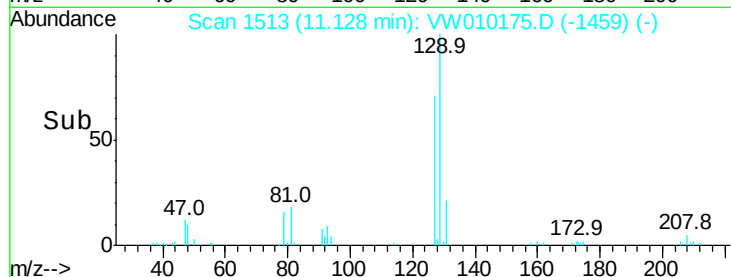
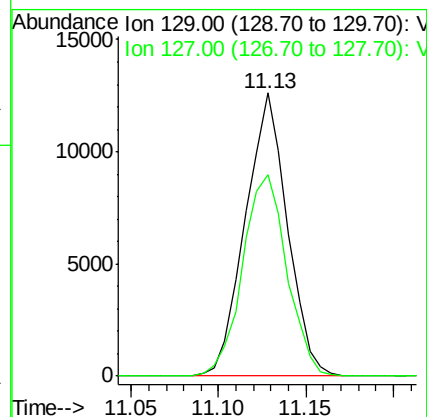
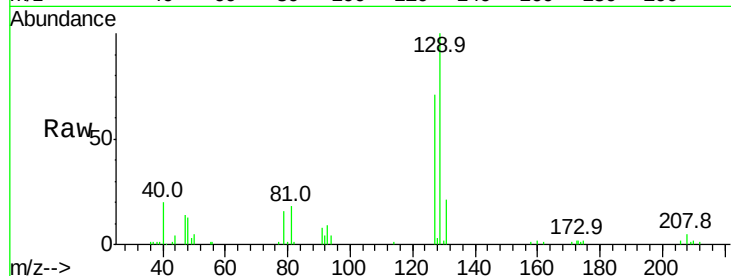
VSTD2.526

Tgt Ion:129 Resp: 21077

Ion Ratio Lower Upper

129 100

127 71.2 56.4 104.8



#51

1,2-Dibromoethane

Concen: 2.066 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

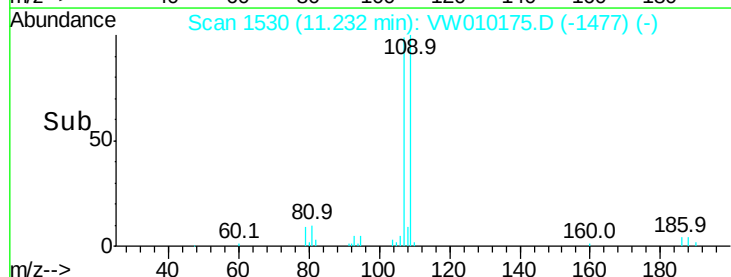
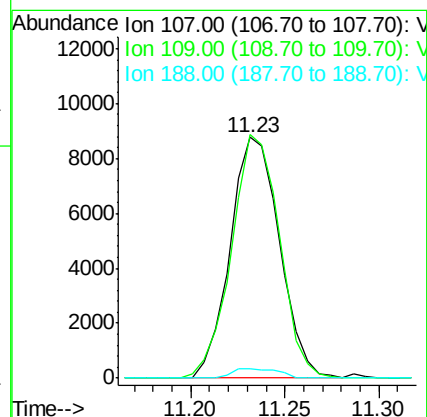
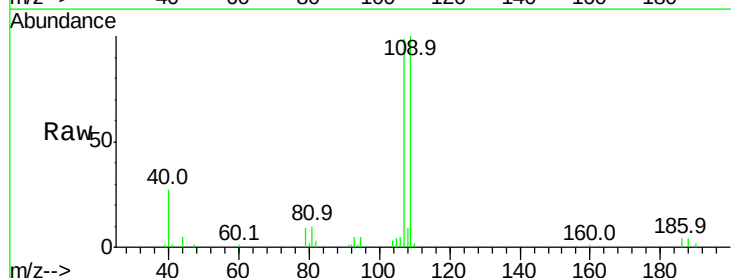
Tgt Ion:107 Resp: 15905

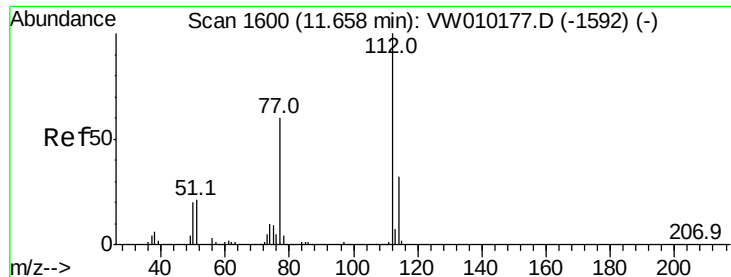
Ion Ratio Lower Upper

107 100

109 101.1 68.3 126.9

188 3.8 3.3 4.9





#52

Chlorobenzene

Concen: 2.399 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampled :

VSTD2.526

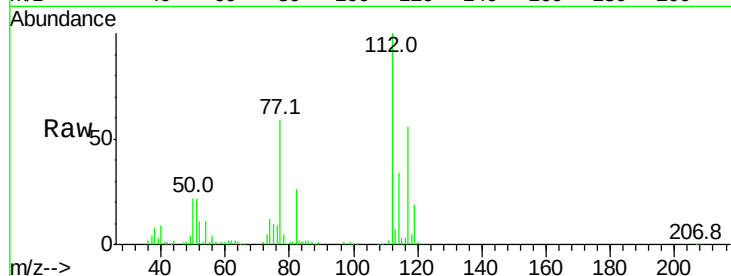
Tgt Ion: 112 Resp: 66766

Ion Ratio Lower Upper

112 100

77 59.2 48.2 72.2

114 34.0 22.2 41.2



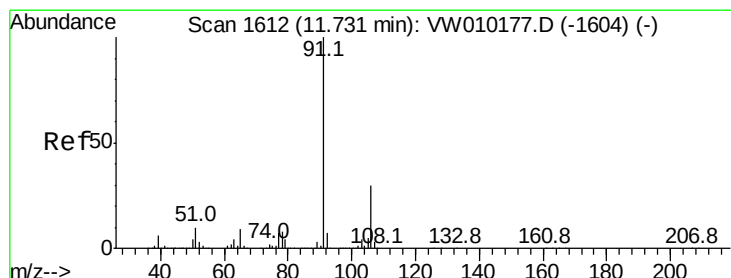
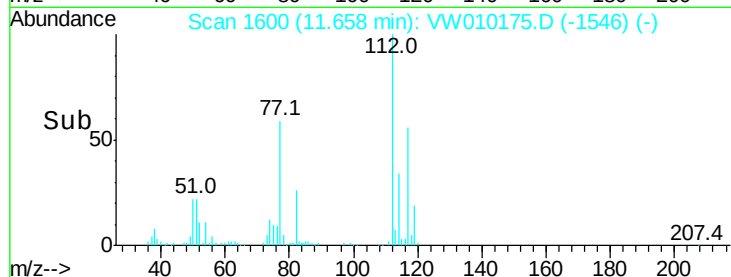
Abundance Ion 112.00 (111.70 to 112.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): VW

11.66

Time-->



#53

Ethylbenzene

Concen: 2.273 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010175.D

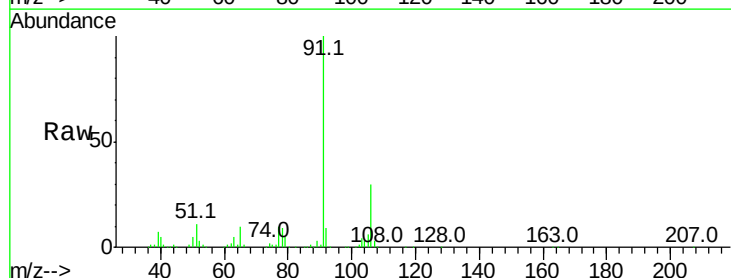
Acq: 29 Apr 2019 10:22

Tgt Ion: 91 Resp: 109181

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6

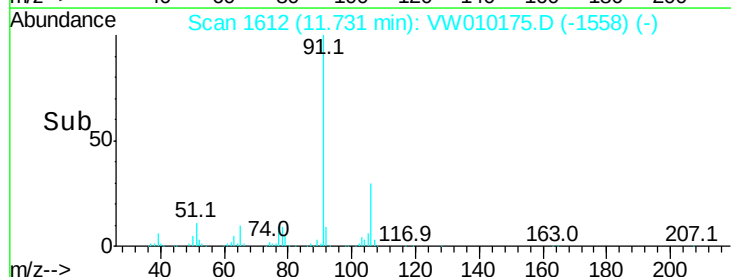


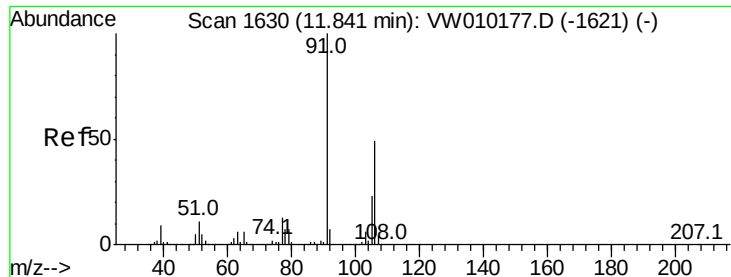
Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): VW

11.73

Time-->





#54

m,p-Xylene

Concen: 2.228 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampled :

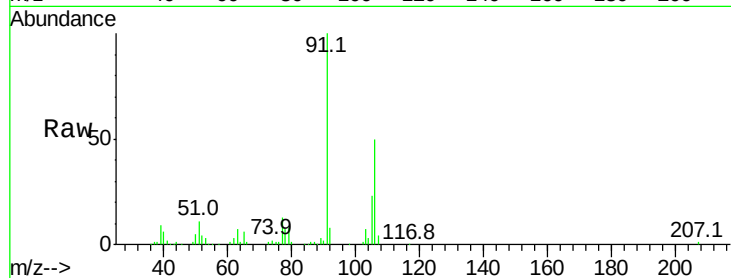
VSTD2.526

Tgt Ion:106 Resp: 40194

Ion Ratio Lower Upper

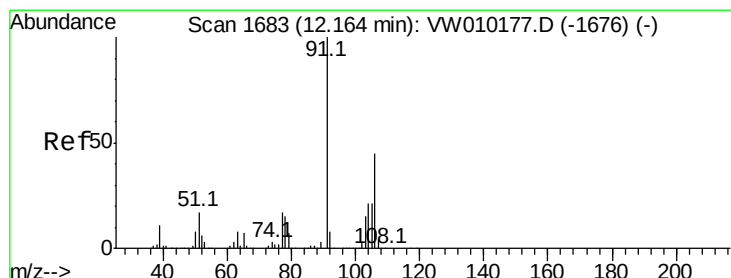
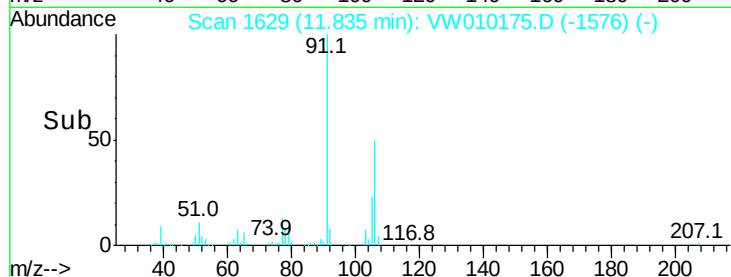
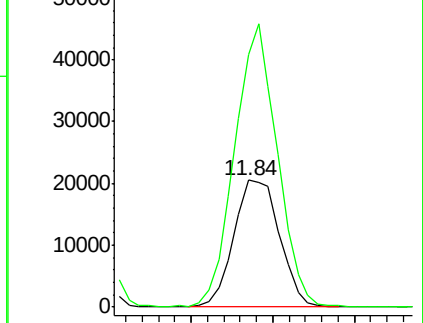
106 100

91 199.0 143.8 267.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.173 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW010175.D

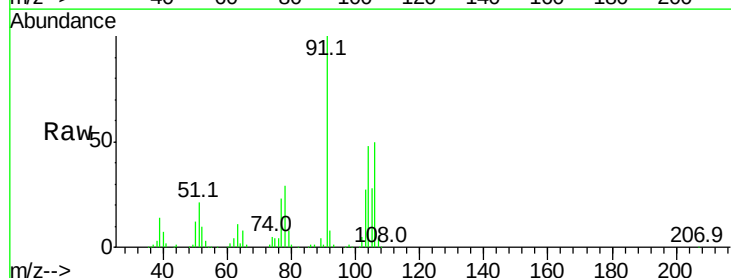
Acq: 29 Apr 2019 10:22

Tgt Ion:106 Resp: 37186

Ion Ratio Lower Upper

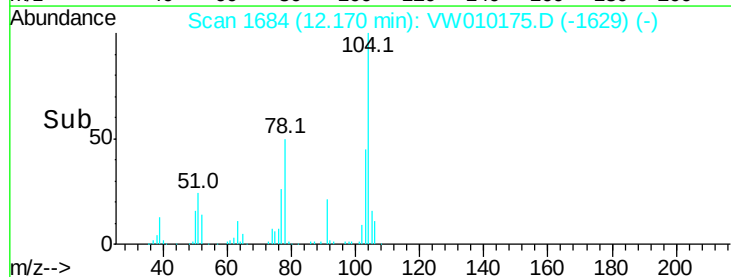
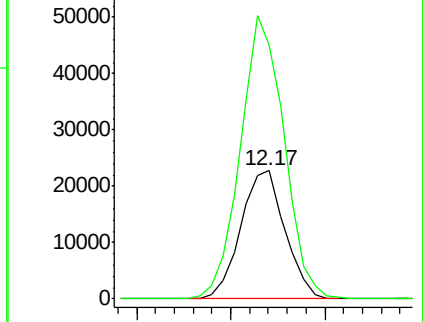
106 100

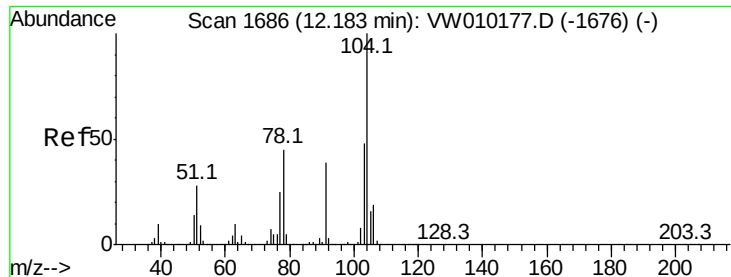
91 198.3 156.2 290.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 2.142 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

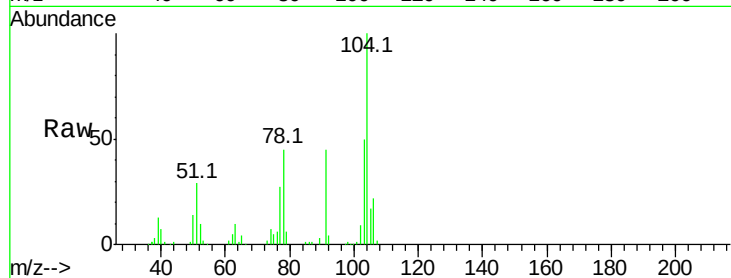
VSTD2.526

Tgt Ion:104 Resp: 63162

Ion Ratio Lower Upper

104 100

78 44.6 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

12.18

40000

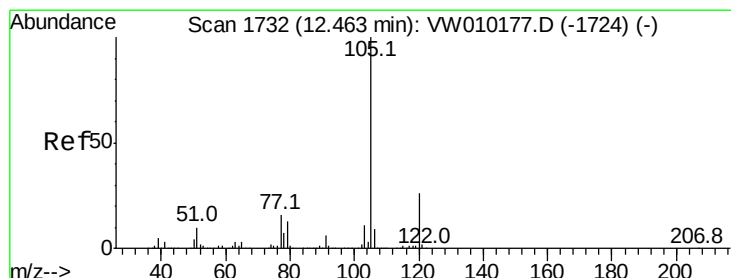
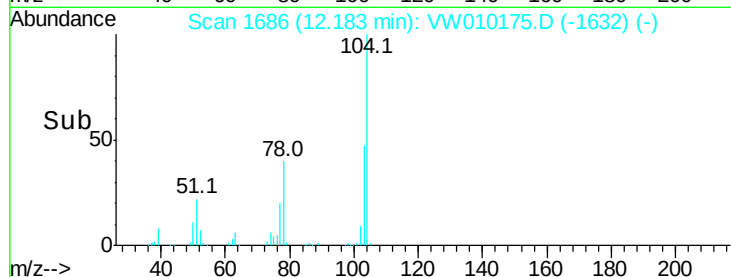
30000

20000

10000

0

Time--> 12.10 12.15 12.20 12.25



#57

Isopropylbenzene

Concen: 2.176 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

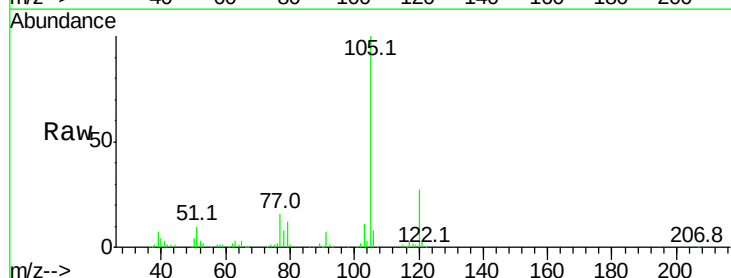
Tgt Ion:105 Resp: 101439

Ion Ratio Lower Upper

105 100

120 26.8 20.9 31.3

77 15.9 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): VW

12.46

80000

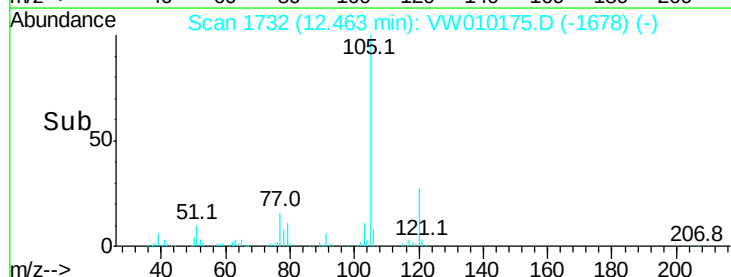
60000

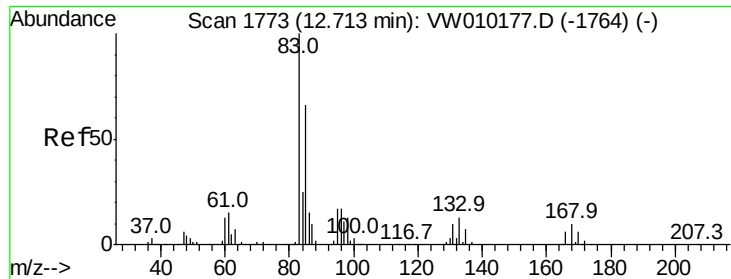
40000

20000

0

Time--> 12.40 12.45 12.50





#58

1,1,2,2-Tetrachloroethane

Concen: 2.160 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.526

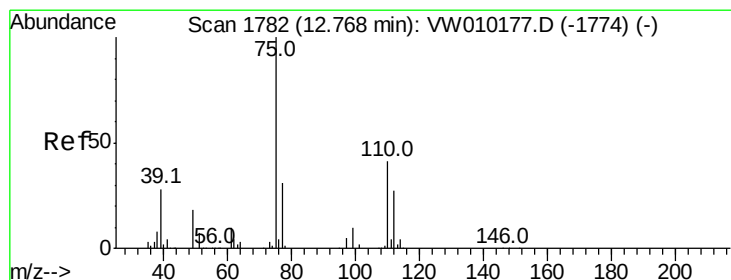
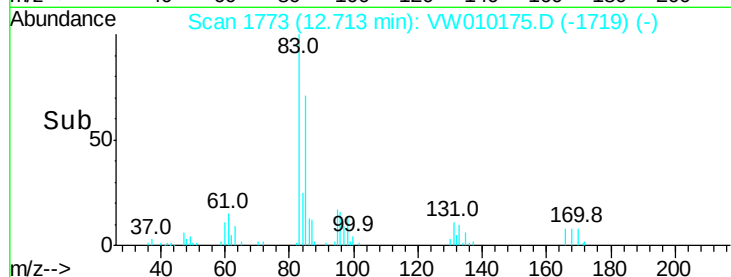
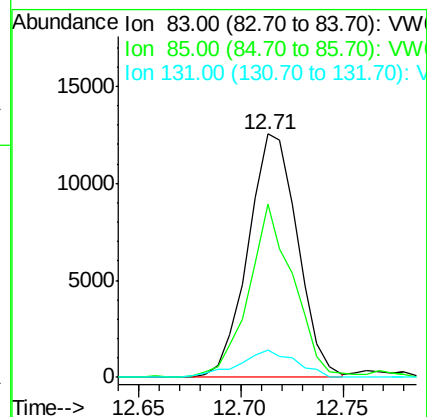
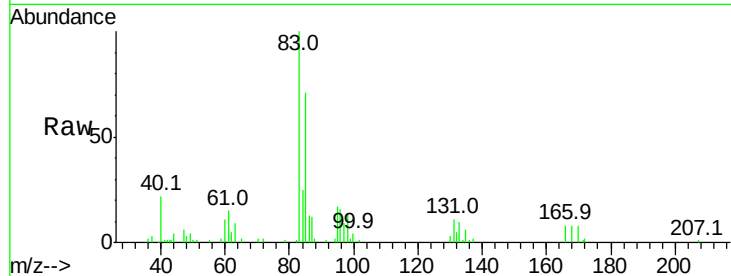
Tgt Ion: 83 Resp: 21195

Ion Ratio Lower Upper

83 100

85 71.1 46.5 86.5

131 11.0 8.0 12.0



#59

1,2,3-Trichloropropane

Concen: 2.085 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010175.D

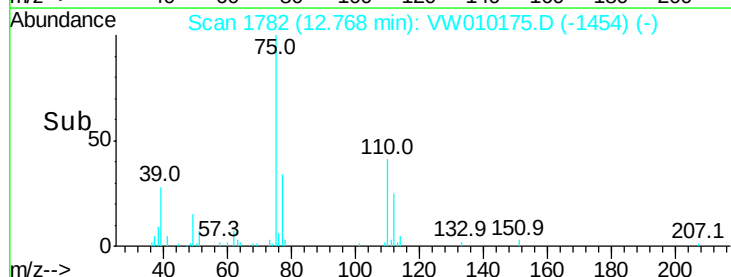
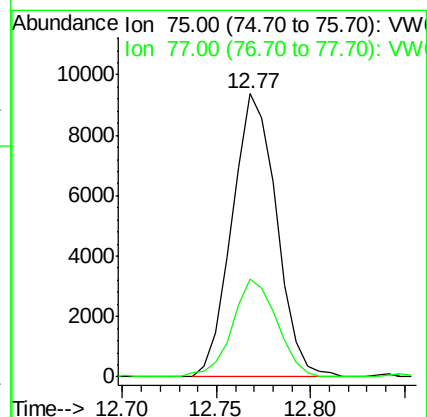
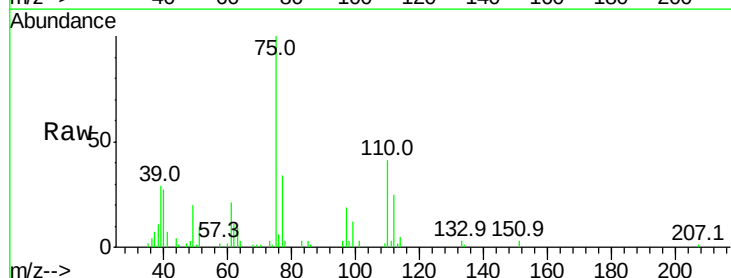
Acq: 29 Apr 2019 10:22

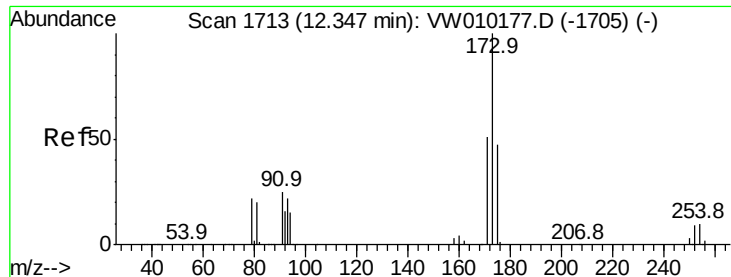
Tgt Ion: 75 Resp: 15370

Ion Ratio Lower Upper

75 100

77 34.6 25.0 37.4





#62

Bromoform

Concen: 2.112 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.526

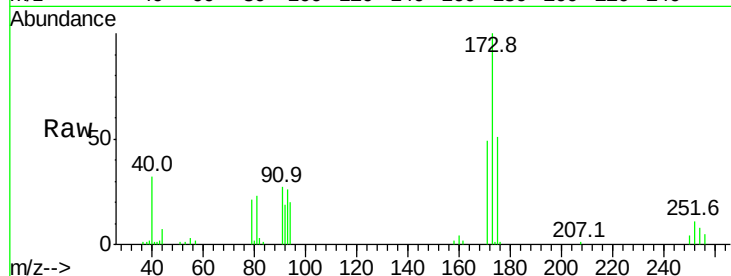
Tgt Ion:173 Resp: 11926

Ion Ratio Lower Upper

173 100

175 50.6 38.6 57.8

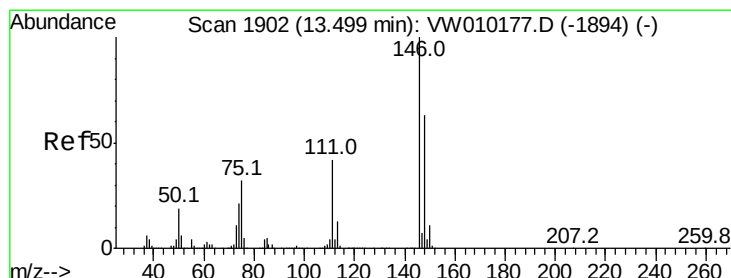
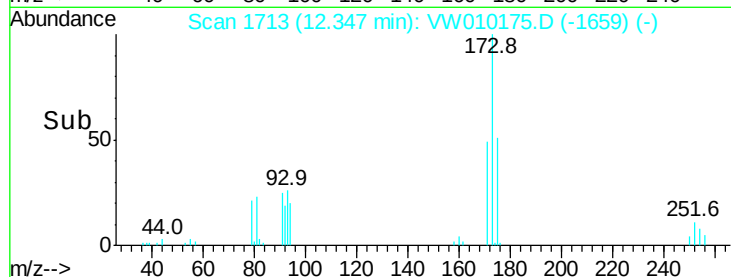
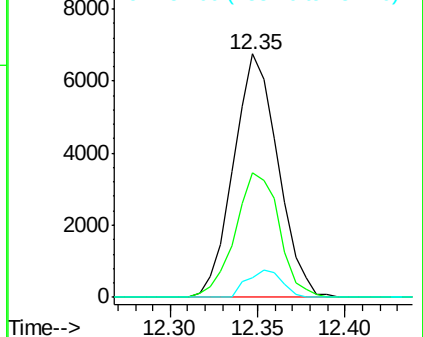
254 8.8 8.0 12.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 2.279 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

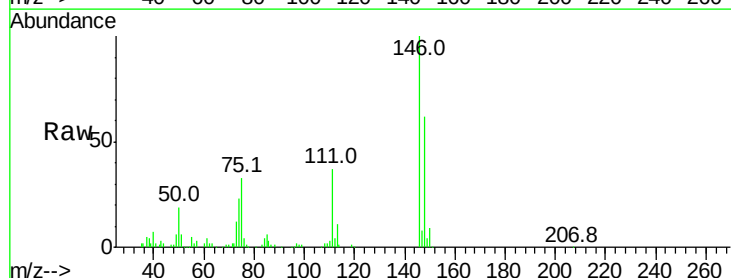
Tgt Ion:146 Resp: 48046

Ion Ratio Lower Upper

146 100

111 37.5 29.3 54.5

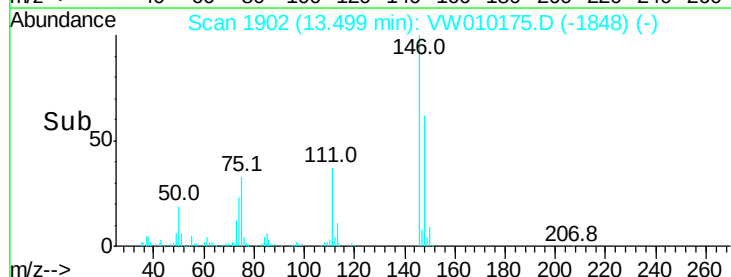
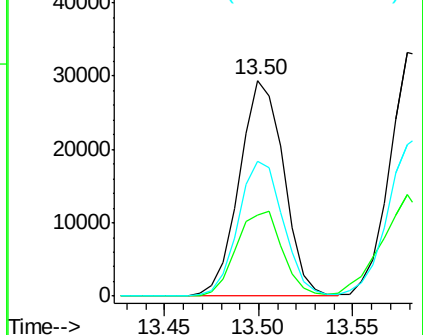
148 62.3 44.3 82.3

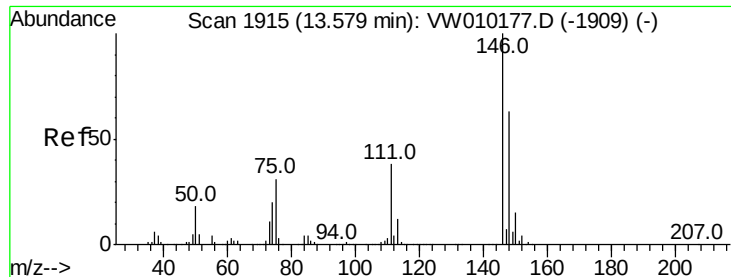


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

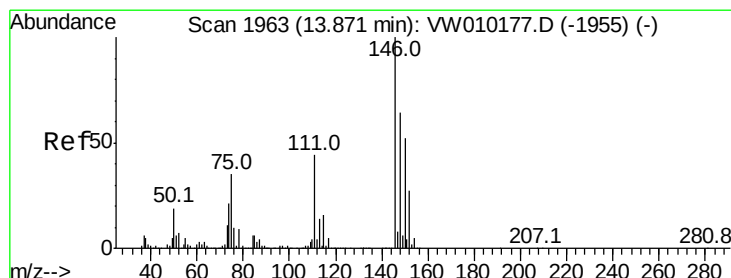
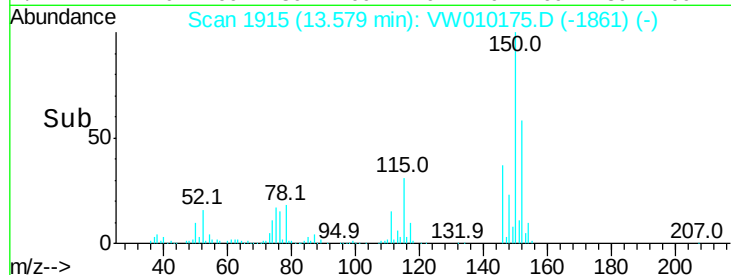
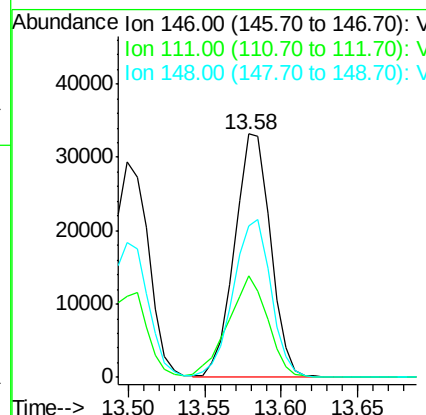
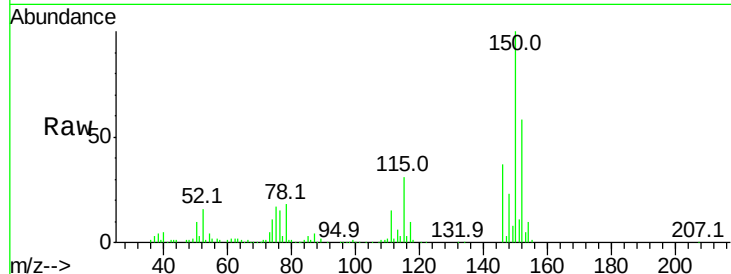




#64
1,4-Dichlorobenzene
Concen: 2.461 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW010175.D
Acq: 29 Apr 2019 10:22

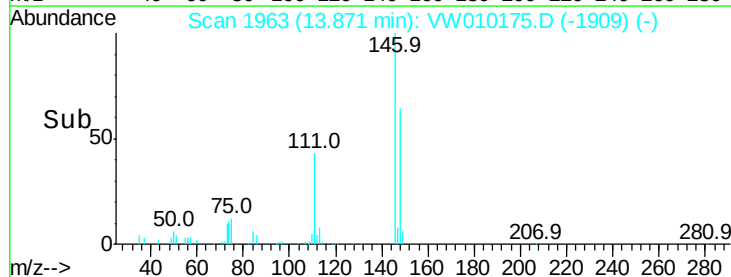
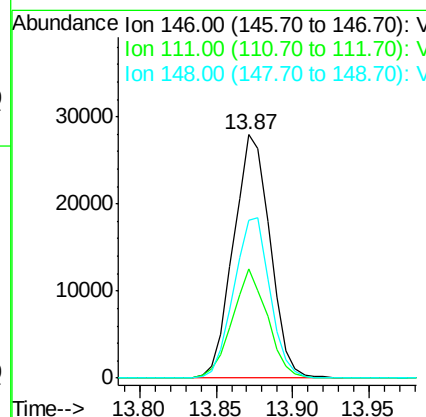
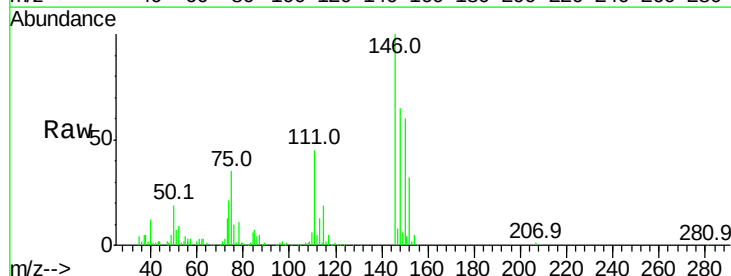
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.526

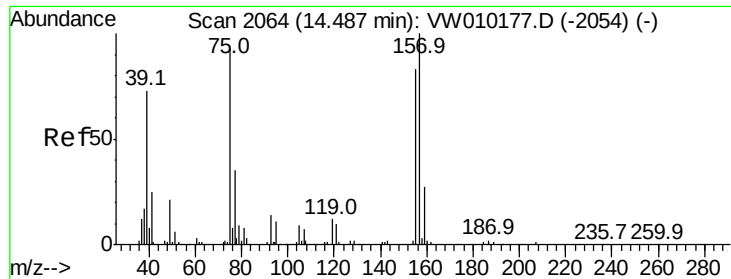
Tgt Ion:146 Resp: 54359
Ion Ratio Lower Upper
146 100
111 41.6 26.5 49.1
148 62.3 43.9 81.5



#65
1,2-Dichlorobenzene
Concen: 2.339 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW010175.D
Acq: 29 Apr 2019 10:22

Tgt Ion:146 Resp: 46346
Ion Ratio Lower Upper
146 100
111 44.7 35.0 52.4
148 64.7 51.2 76.8





#66

1,2-Dibromo-3-chloropropane

Concen: 2.115 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.526

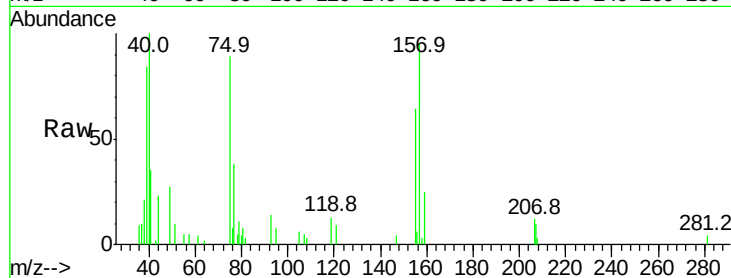
Tgt Ion: 75 Resp: 3599

Ion Ratio Lower Upper

75 100

157 106.5 85.7 128.5

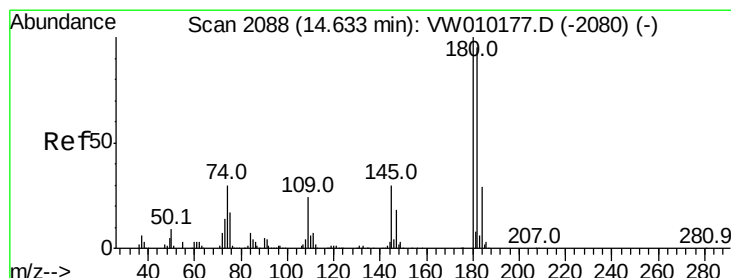
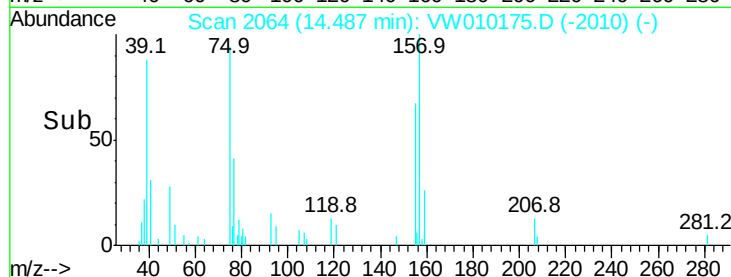
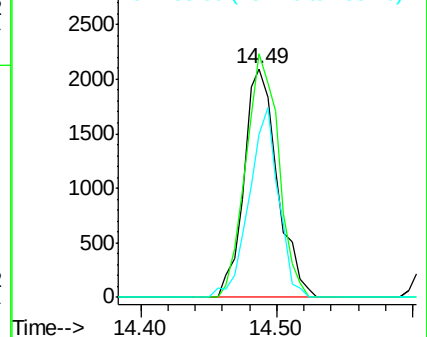
155 71.4 70.8 106.2



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: 2.356 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Tgt Ion: 180 Resp: 38164

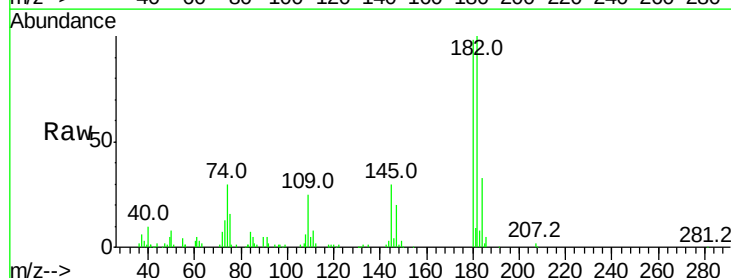
Ion Ratio Lower Upper

180 100

182 96.1 75.7 113.5

184 31.3 23.8 35.6

145 30.7 23.8 35.8

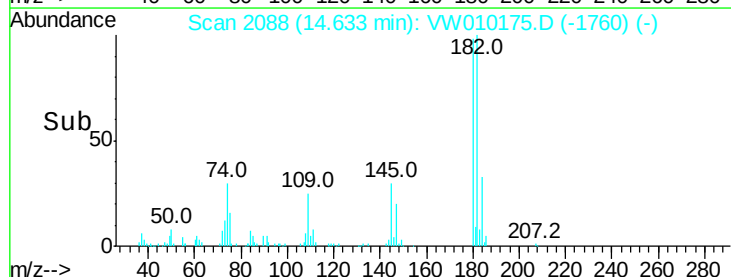
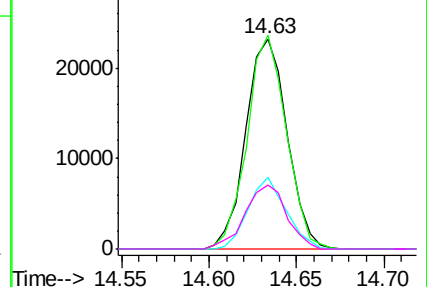


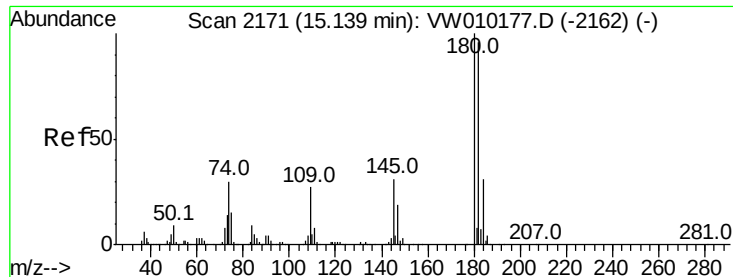
Abundance Ion 180.00 (179.70 to 180.70): V

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: 2.257 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.526

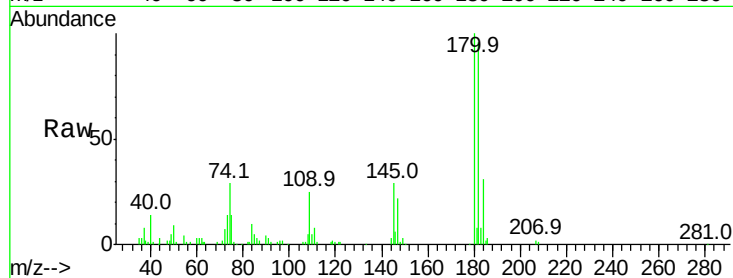
Tgt Ion:180 Resp: 29486

Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.4

145 30.1 24.5 36.7

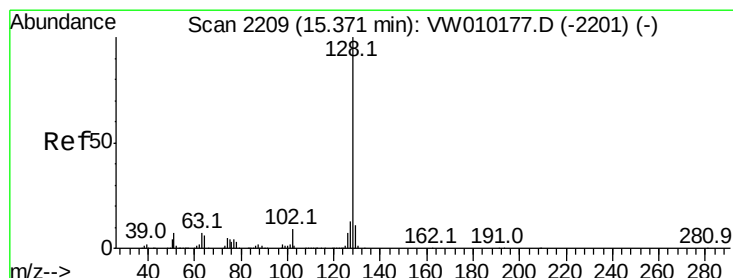
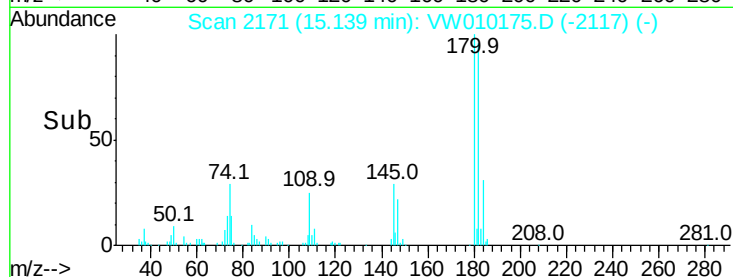
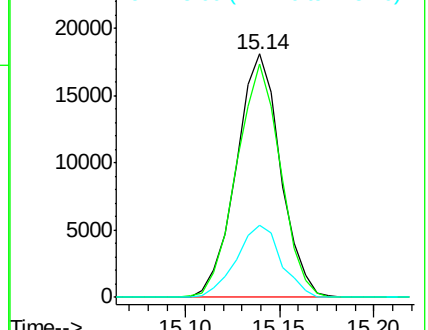


Abundance

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: 1.993 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW010175.D

Acq: 29 Apr 2019 10:22

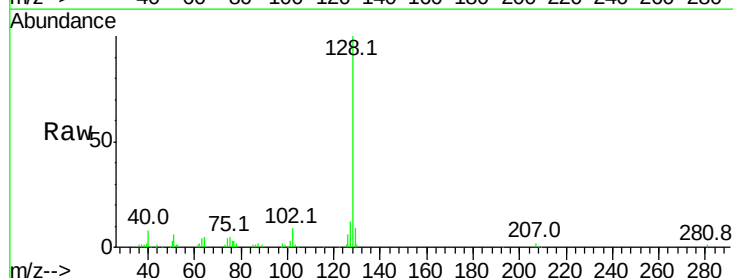
Tgt Ion:128 Resp: 53688

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

127 14.3 10.6 15.8

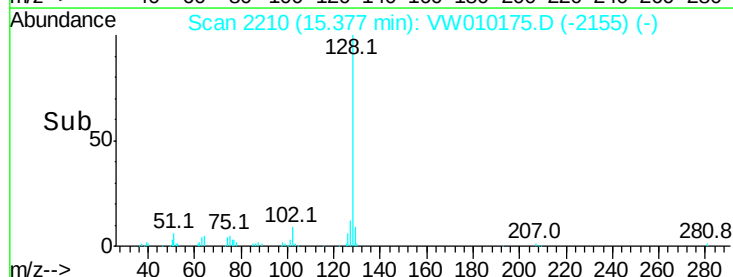
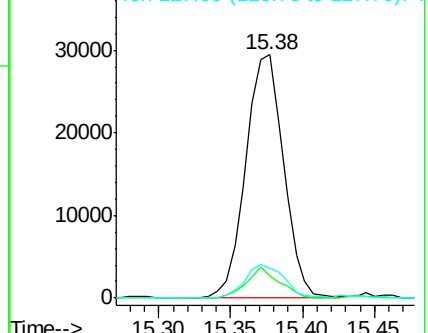


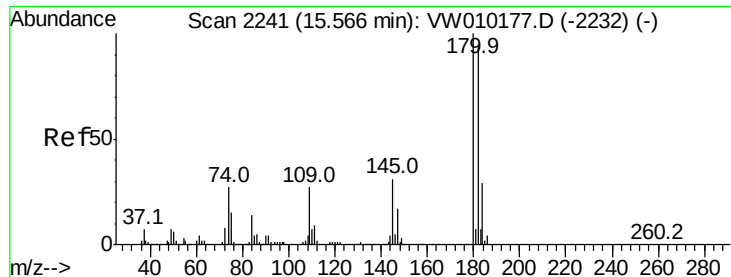
Abundance

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

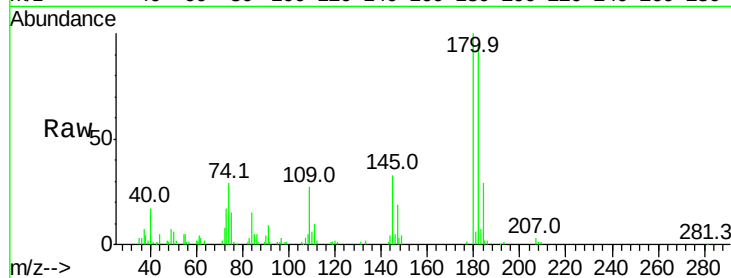




#70
 1,2,3-Trichlorobenzene
 Concen: 2.160 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW010175.D
 Acq: 29 Apr 2019 10:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.526

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
145	33.1	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

