

Data File : VW007309.D
Acq On : 07 Dec 2018 14:58
Operator : SY/AP
Sample : VSTD05095
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05095

Quant Time: Dec 07 15:28:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 15:11:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	143576	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	125569	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	61567	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	53742	43.99	ug/L	0.00
7) Chloroethane-d5	2.89	69	41913	47.85	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	171463	53.88	ug/L	0.00
20) 2-Butanone-d5	7.08	46	56841	114.91	ug/L	0.00
24) Chloroform-d	7.65	84	174647	58.07	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	99513	57.16	ug/L	0.00
29) Benzene-d6	8.27	84	343652	57.60	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	98810	57.80	ug/L	0.00
37) Toluene-d8	10.32	98	327091	51.83	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	51025	61.06	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	48044	119.93	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	87069	55.91	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	108713	47.05	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	76887	29.301	ug/L	96
3) Chloromethane	2.22	50	63772	34.796	ug/L	98
5) Vinyl chloride	2.37	62	68593	41.809	ug/L	100
6) Bromomethane	2.79	94	43246	45.948	ug/L	99
8) Chloroethane	2.93	64	37208	42.085	ug/L	98
9) Trichlorofluoromethane	3.26	101	70146	22.820	ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	92858	51.191	ug/L	97
12) 1,1-Dichloroethene	4.03	96	88656	55.469	ug/L	96
13) Acetone	4.12	43	54217	156.451	ug/L	98
14) Carbon disulfide	4.38	76	267451	47.283	ug/L	100
15) Methyl Acetate	4.67	43	50215	58.438	ug/L #	90
16) Methylene chloride	4.91	84	91850	40.015	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	141415	34.425	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	93558	52.941	ug/L	100
19) 1,1-Dichloroethane	6.21	63	161711	55.320	ug/L	99
21) 2-Butanone	7.17	43	69808	131.220	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	104479	55.289	ug/L	97
23) Bromochloromethane	7.51	128	47837	58.179	ug/L	96
25) Chloroform	7.67	83	174088	54.892	ug/L	99
27) 1,2-Dichloroethane	8.40	62	123923	58.900	ug/L	99
30) Cyclohexane	7.95	56	152096	55.571	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	148620	57.159	ug/L	100
32) Carbon tetrachloride	8.07	117	145106	61.489	ug/L	98
34) Benzene	8.32	78	371072	57.027	ug/L	100
35) Trichloroethene	9.09	95	105457	59.777	ug/L	98
36) Methylcyclohexane	9.34	83	179404	54.767	ug/L	98
40) 1,2-Dichloropropane	9.37	63	87616	56.136	ug/L	99
41) Bromodichloromethane	9.65	83	130024	63.631	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	156415	63.098	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	133407	115.512	ug/L	99

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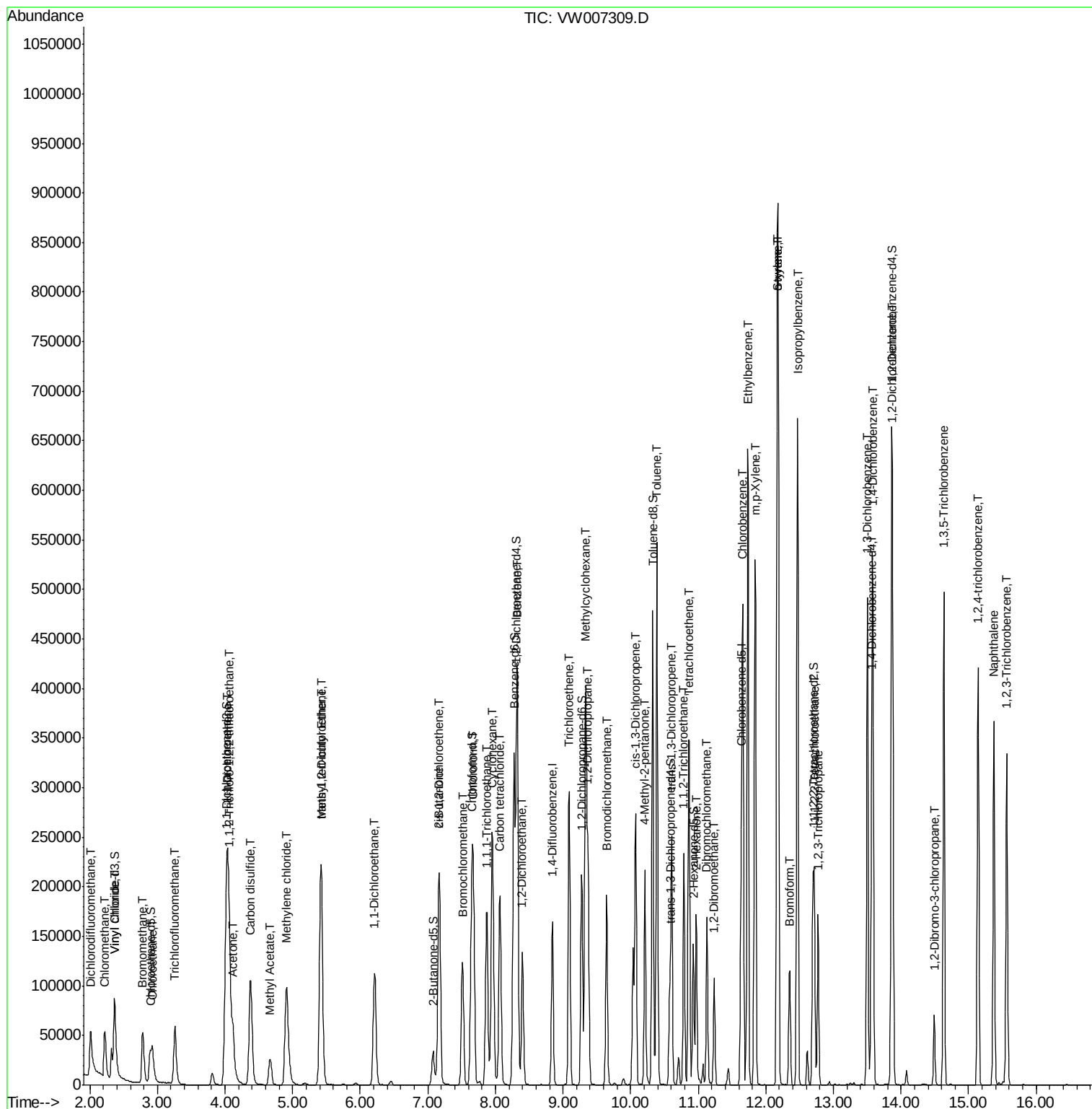
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	396701	50.880	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	135348	62.145	ug/L	94
46) 1,1,2-Trichloroethane	10.79	97	71262	57.978	ug/L	97
47) Tetrachloroethene	10.86	164	78415	50.882	ug/L	97
49) 2-Hexanone	10.97	43	95440	122.079	ug/L	99
50) Dibromochloromethane	11.13	129	93786	62.645	ug/L	95
51) 1,2-Dibromoethane	11.24	107	72635	58.318	ug/L #	97
52) Chlorobenzene	11.66	112	246784	48.011	ug/L #	87
53) Ethylbenzene	11.73	91	454358	50.265	ug/L	95
54) m,p-Xylene	11.84	106	164147	46.540	ug/L	71
55) o-xylene	12.17	106	162428	49.660	ug/L	97
56) Styrene	12.18	104	277655	50.199	ug/L	98
57) Isopropylbenzene	12.47	105	434576	47.782	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.72	83	87484	56.011	ug/L #	98
59) 1,2,3-Trichloropropane	12.77	75	68165	55.843	ug/L	98
62) Bromoform	12.35	173	54556	64.716	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	205134	50.632	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	199166	48.874	ug/L	87
65) 1,2-Dichlorobenzene	13.88	146	181569	48.976	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.49	75	18666	62.088	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	148952	48.954	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	129203	49.951	ug/L	97
69) Naphthalene	15.37	128	318132	57.764	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	114659	50.799	ug/L	99

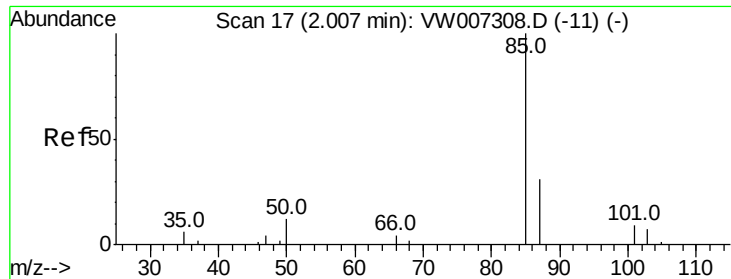
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 29.301 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

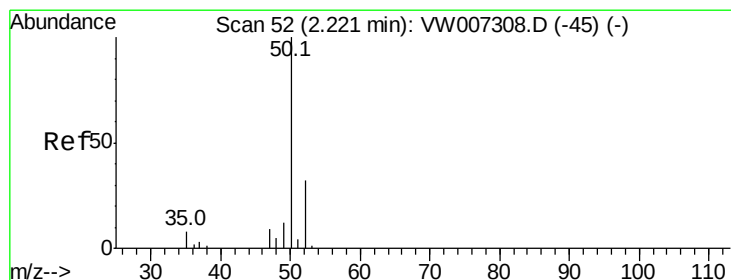
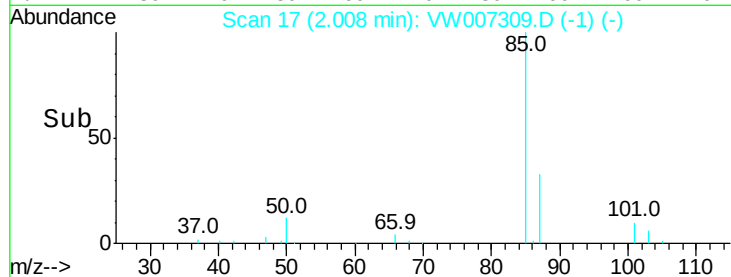
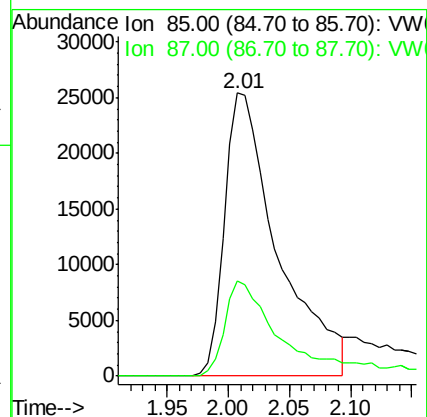
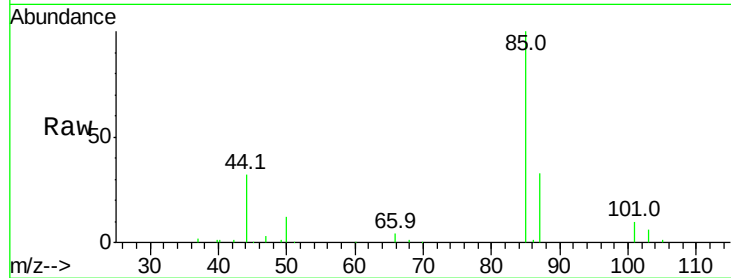
VSTD05095

Tgt Ion: 85 Resp: 76887

Ion Ratio Lower Upper

85 100

87 30.8 23.2 43.0



#3

Chloromethane

Concen: 34.796 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW007309.D

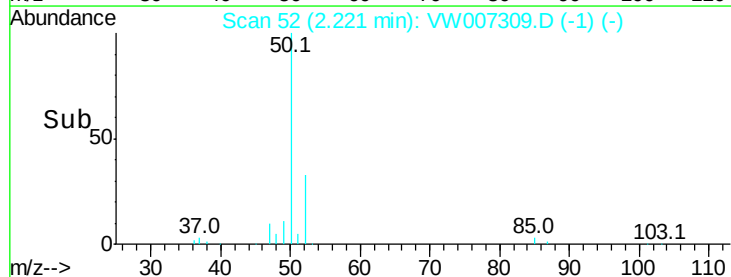
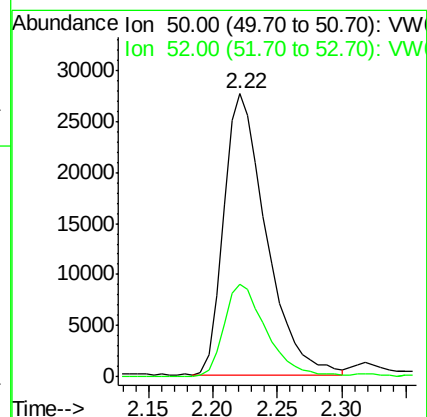
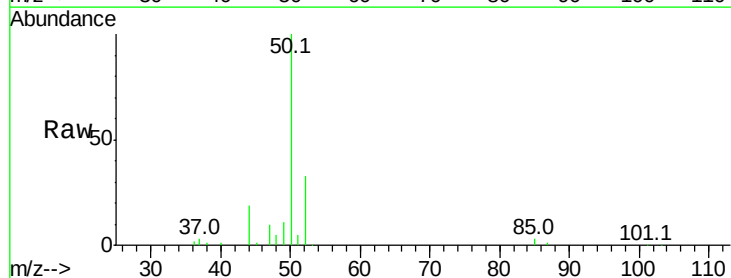
Acq: 07 Dec 2018 14:58

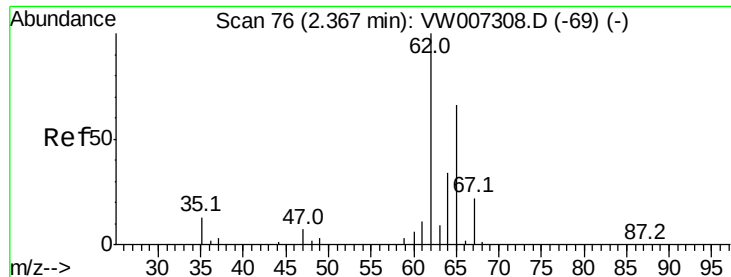
Tgt Ion: 50 Resp: 63772

Ion Ratio Lower Upper

50 100

52 32.8 22.2 41.2





#5

Vinyl chloride

Concen: 41.809 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

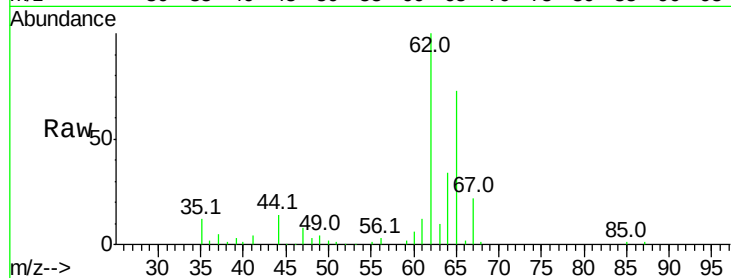
VSTD05095

Tgt Ion: 62 Resp: 68593

Ion Ratio Lower Upper

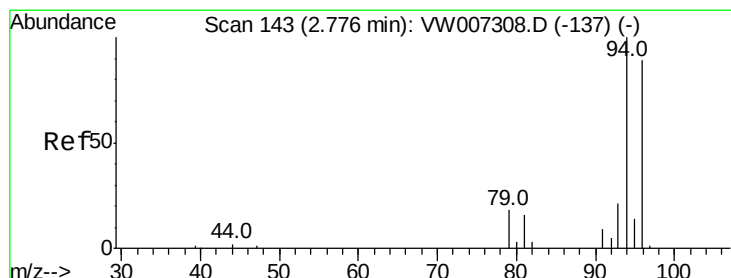
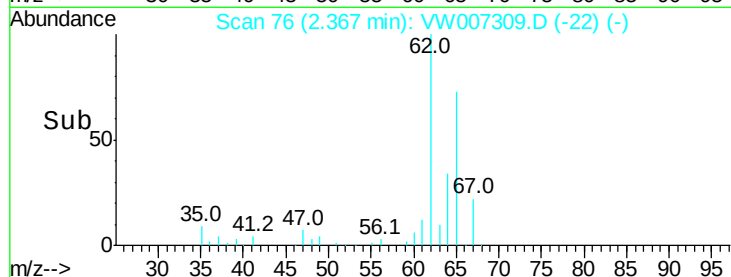
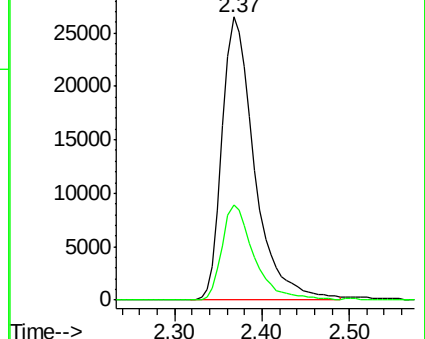
62 100

64 33.8 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 45.948 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW007309.D

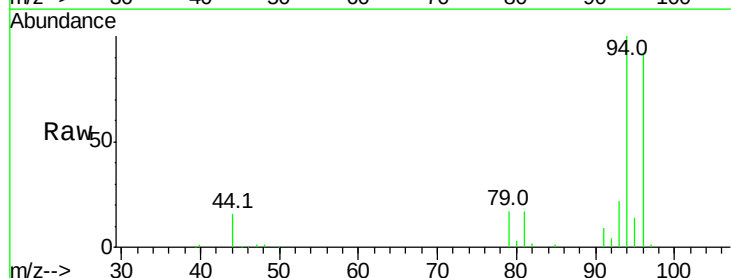
Acq: 07 Dec 2018 14:58

Tgt Ion: 94 Resp: 43246

Ion Ratio Lower Upper

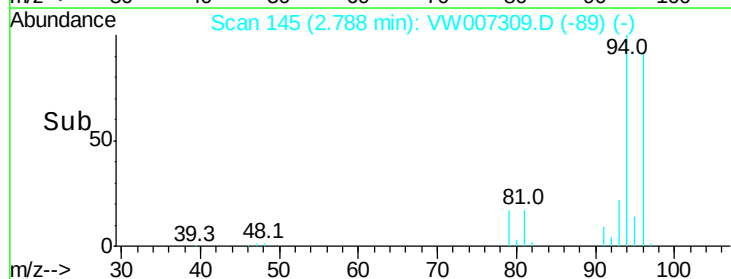
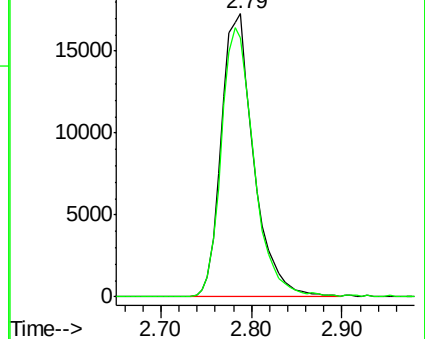
94 100

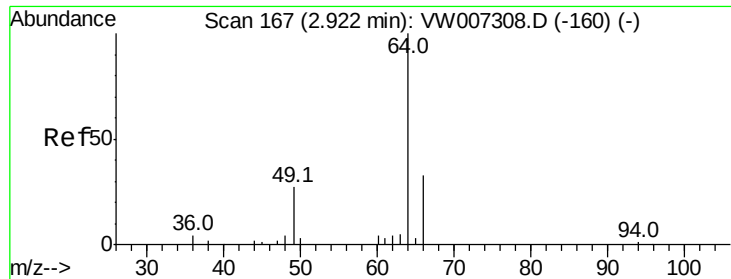
96 95.0 9.6 181.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 42.085 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

Instrument :

MSVOA_W

ClientSampled :

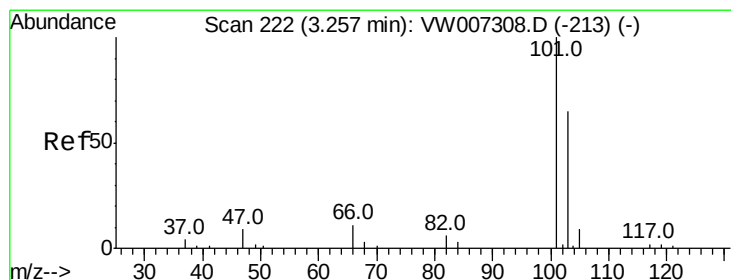
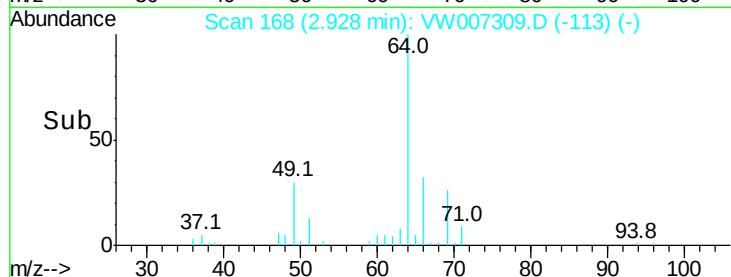
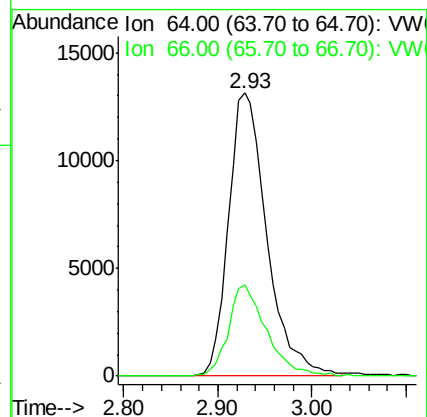
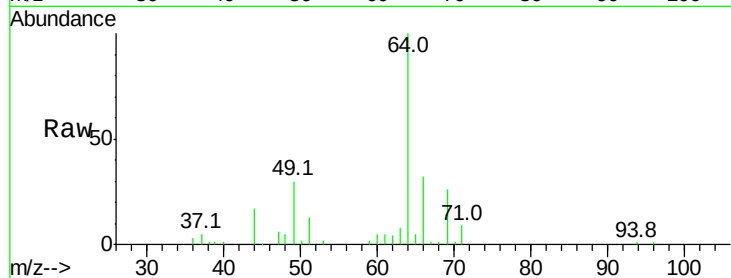
VSTD05095

Tgt Ion: 64 Resp: 37208

Ion Ratio Lower Upper

64 100

66 32.3 23.2 43.2



#9

Trichlorofluoromethane

Concen: 22.820 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW007309.D

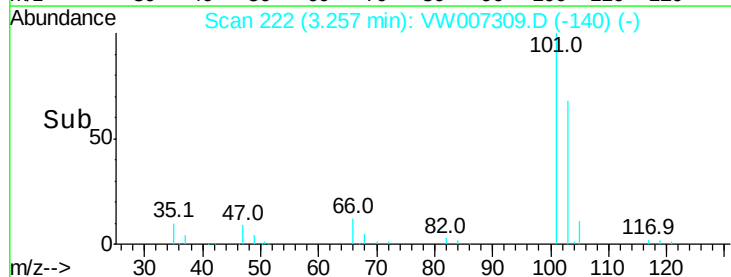
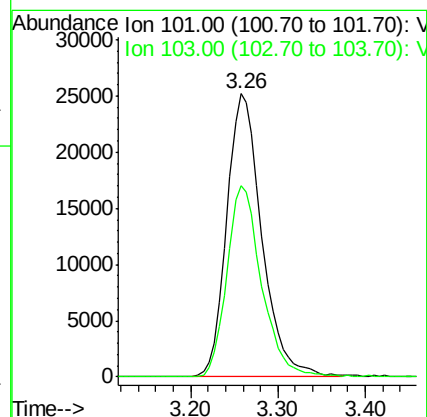
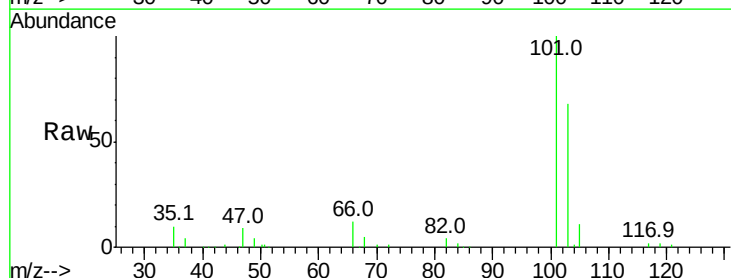
Acq: 07 Dec 2018 14:58

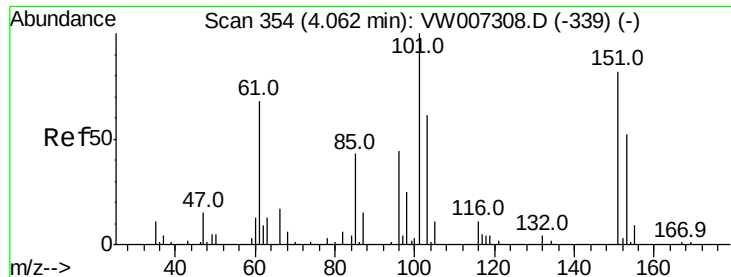
Tgt Ion: 101 Resp: 70146

Ion Ratio Lower Upper

101 100

103 66.6 44.7 82.9





#11

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

Concen: 51.191 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD05095

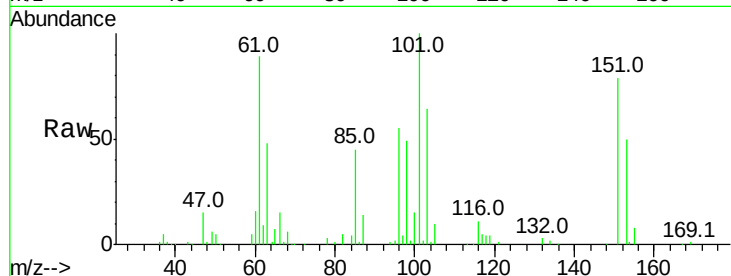
Tgt Ion:101 Resp: 92858

Ion Ratio Lower Upper

101 100

85 42.9 35.4 53.2

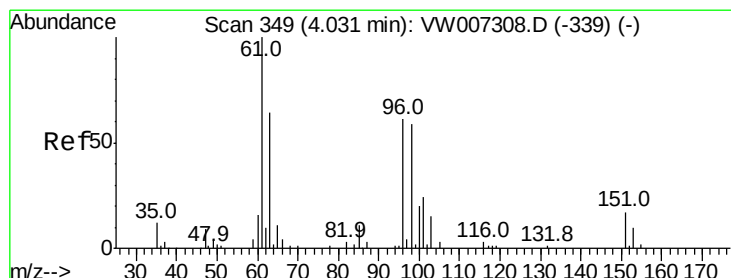
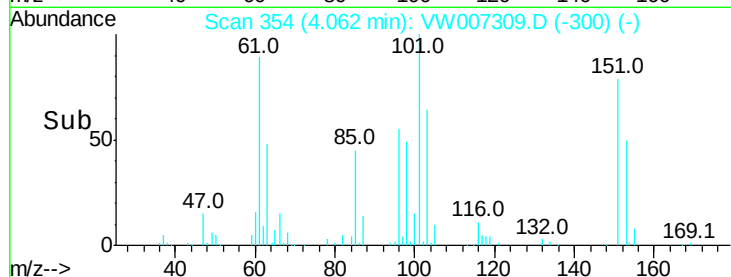
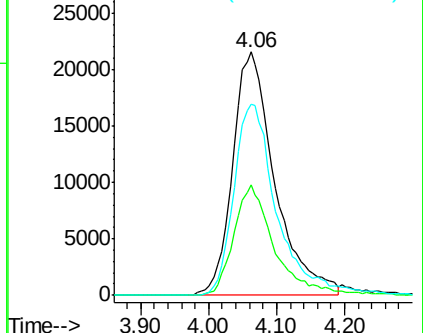
151 77.8 64.8 97.2



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: 55.469 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

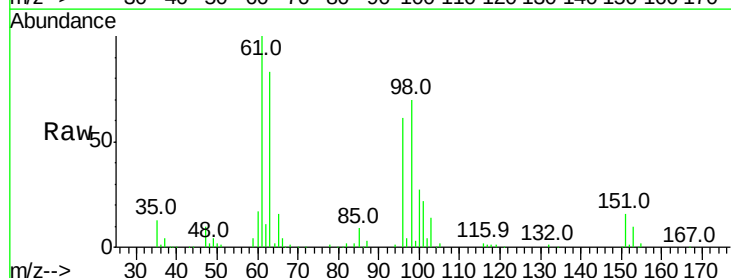
Tgt Ion: 96 Resp: 88656

Ion Ratio Lower Upper

96 100

61 164.4 117.2 217.8

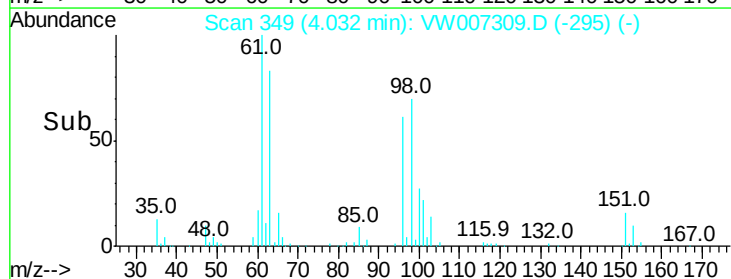
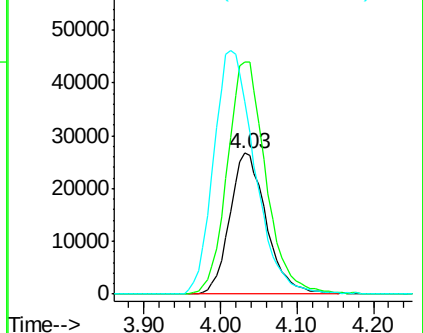
63 136.5 89.7 166.7

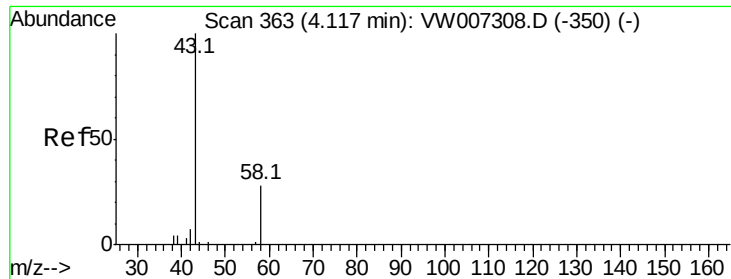


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 156.451 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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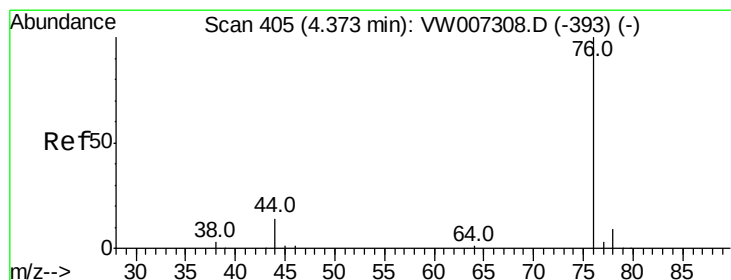
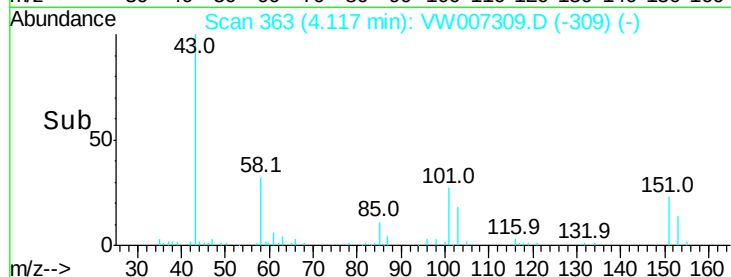
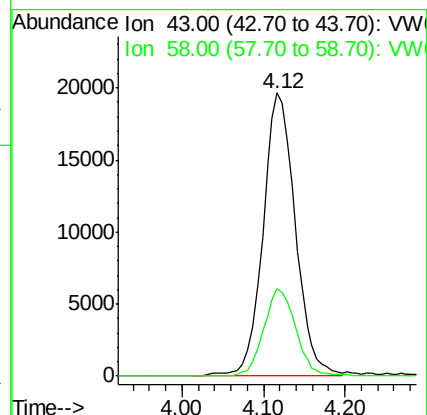
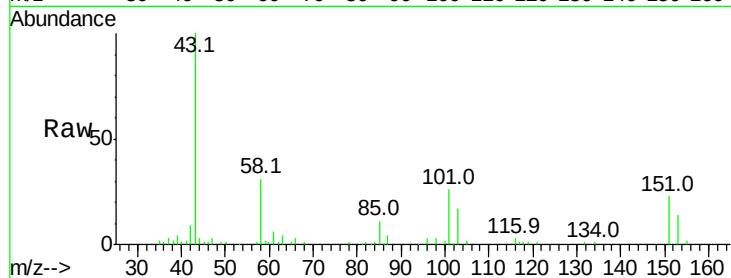
VSTD05095

Tgt Ion: 43 Resp: 54217

Ion Ratio Lower Upper

43 100

58 30.8 0.0 59.2



#14

Carbon disulfide

Concen: 47.283 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW007309.D

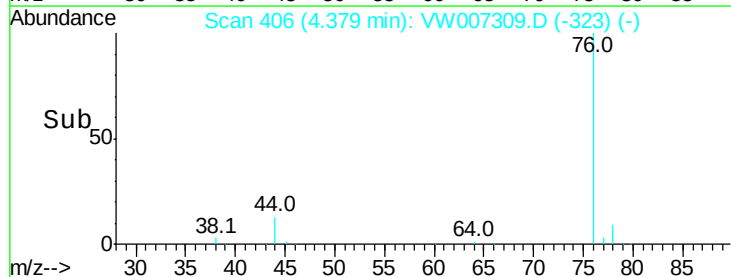
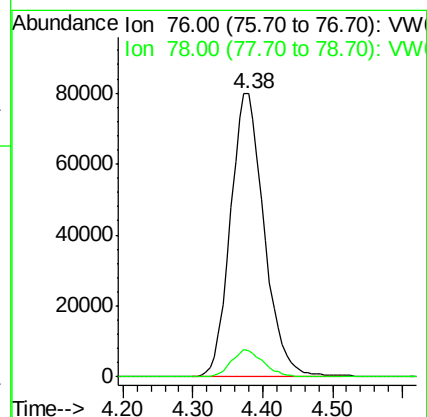
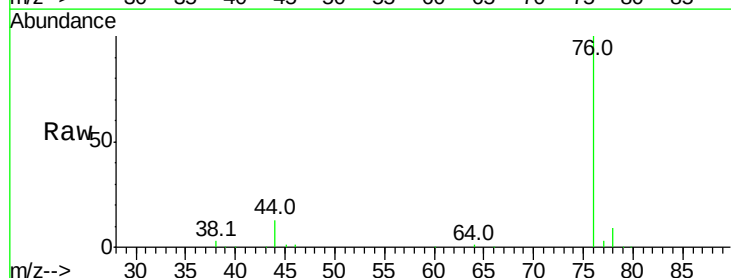
Acq: 07 Dec 2018 14:58

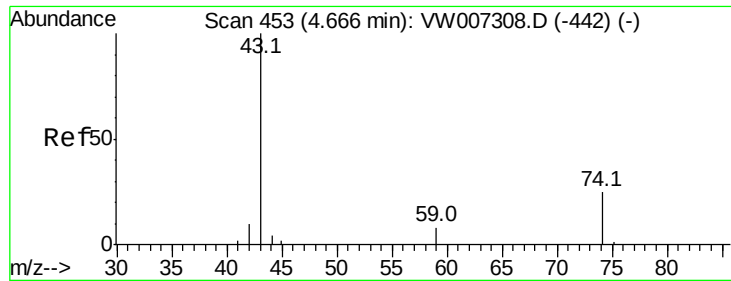
Tgt Ion: 76 Resp: 267451

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 58.438 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

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ClientSampleId :

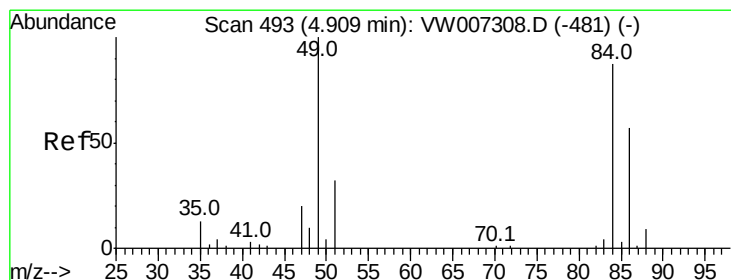
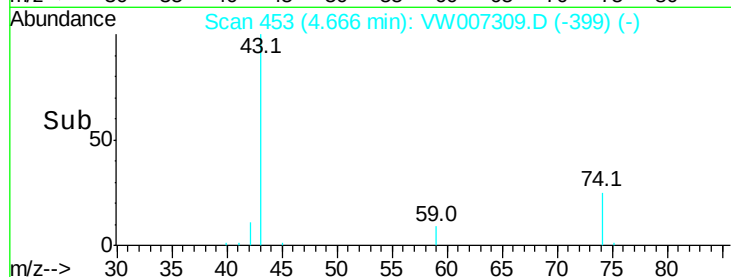
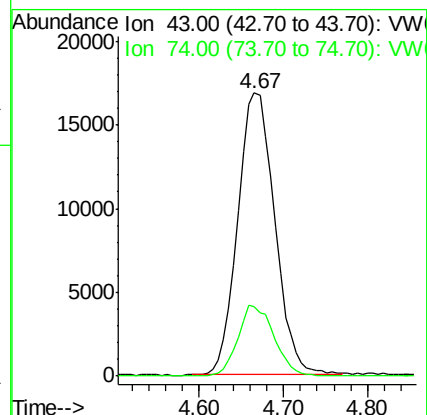
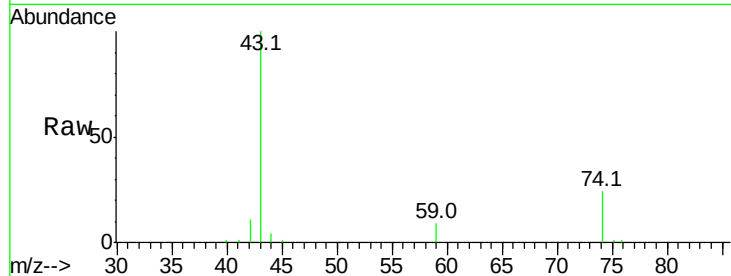
VSTD05095

Tgt Ion: 43 Resp: 50215

Ion Ratio Lower Upper

43 100

74 24.5 0.1 0.1#



#16

Methylene chloride

Concen: 40.015 ug/L

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

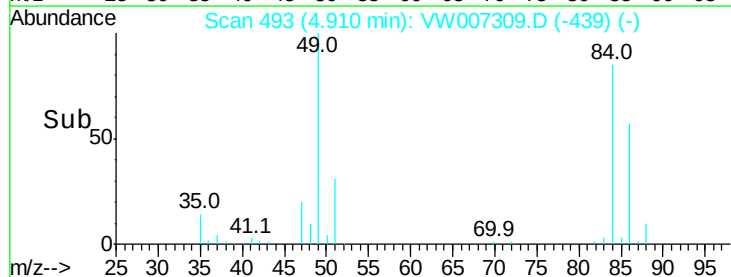
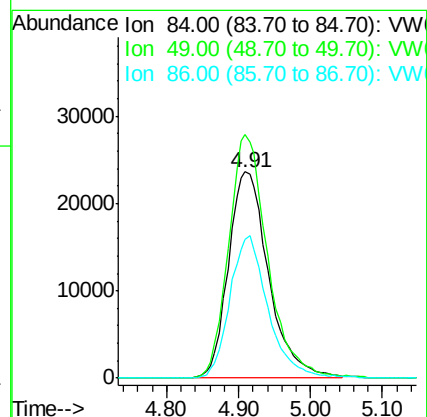
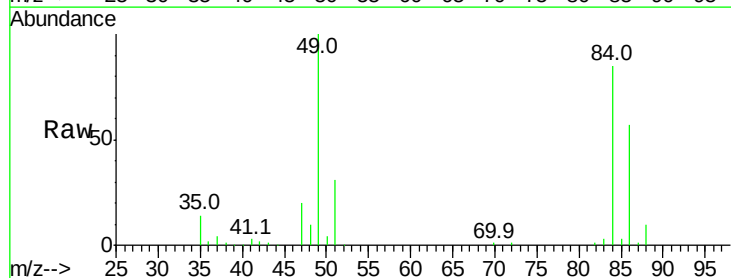
Tgt Ion: 84 Resp: 91850

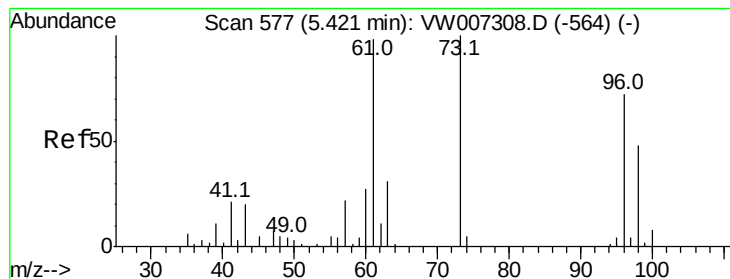
Ion Ratio Lower Upper

84 100

49 118.0 80.8 150.2

86 67.3 45.8 85.2





#17

Methyl tert-butyl Ether

Concen: 34.425 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

Instrument :

MSVOA_W

ClientSampled :

VSTD05095

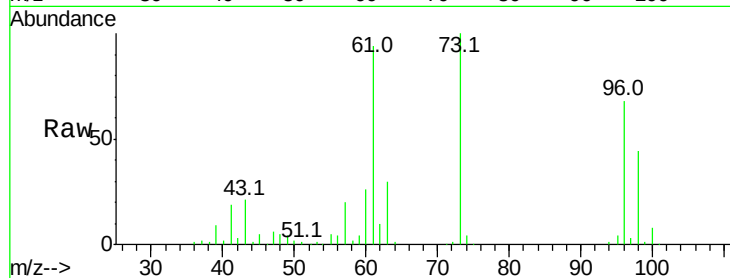
Tgt Ion: 73 Resp: 141415

Ion Ratio Lower Upper

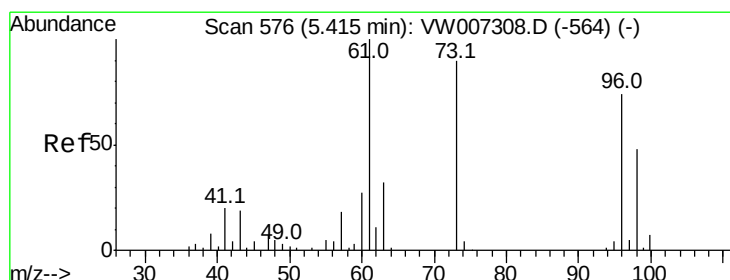
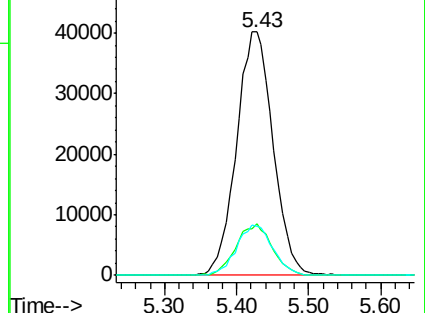
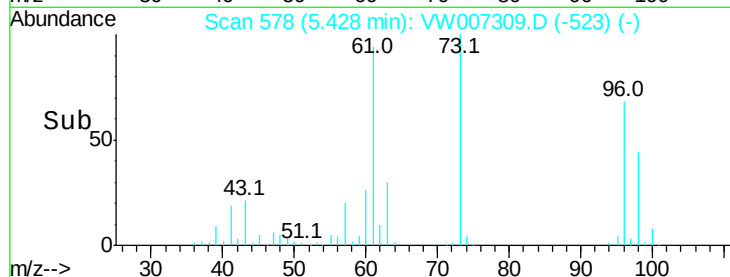
73 100

43 21.0 17.3 25.9

57 20.4 17.0 25.6



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



#18

trans-1,2-Dichloroethene

Concen: 52.941 ug/L

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

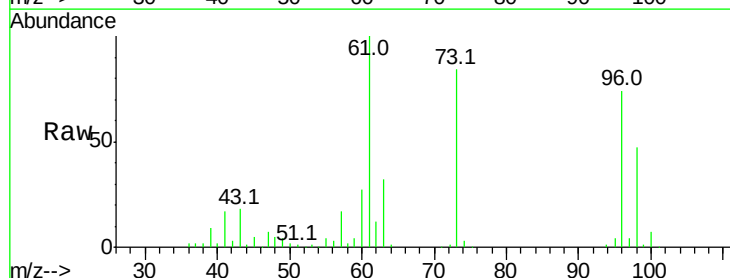
Tgt Ion: 96 Resp: 93558

Ion Ratio Lower Upper

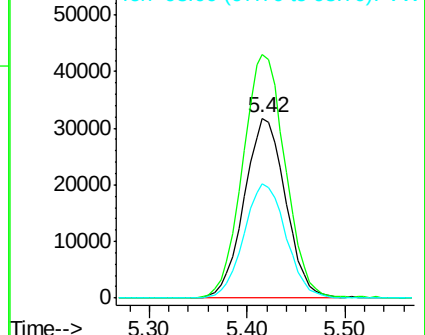
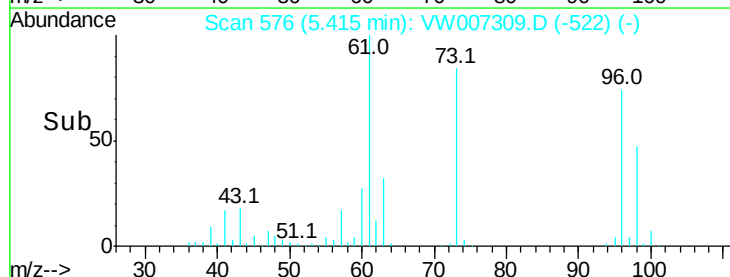
96 100

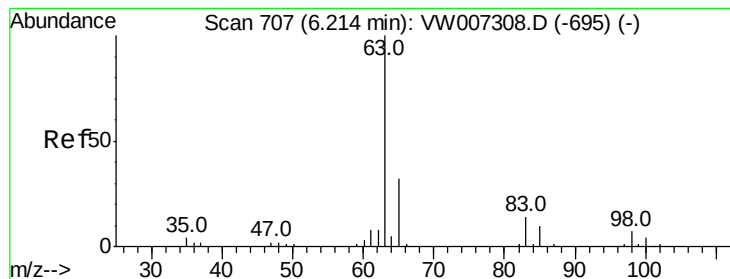
61 135.5 94.6 175.8

98 63.6 45.1 83.7



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





#19

1,1-Dichloroethane

Concen: 55.320 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD05095

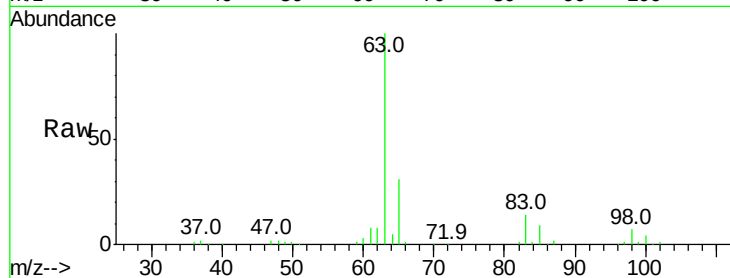
Tgt Ion: 63 Resp: 161711

Ion Ratio Lower Upper

63 100

65 30.6 22.1 41.1

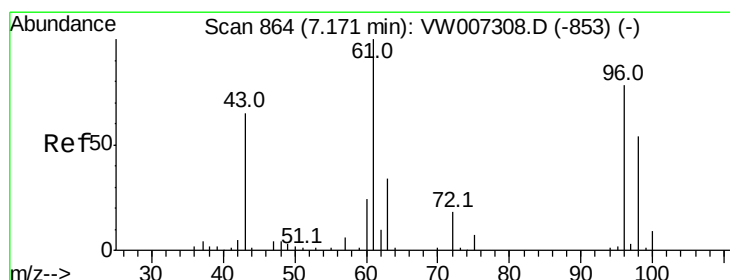
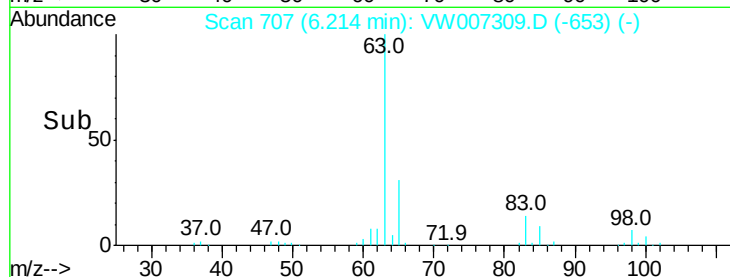
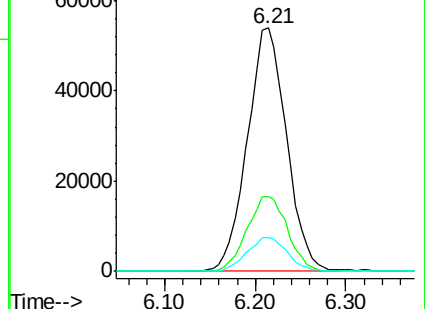
83 14.1 9.8 18.2



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: 131.220 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007309.D

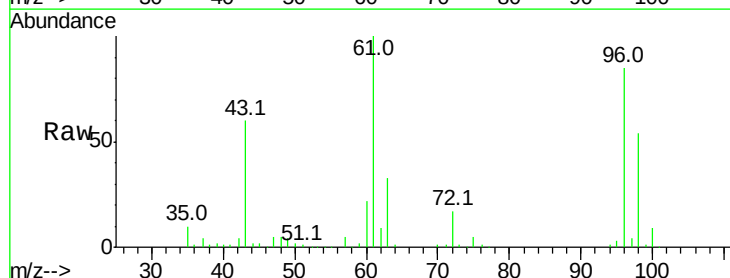
Acq: 07 Dec 2018 14:58

Tgt Ion: 43 Resp: 69808

Ion Ratio Lower Upper

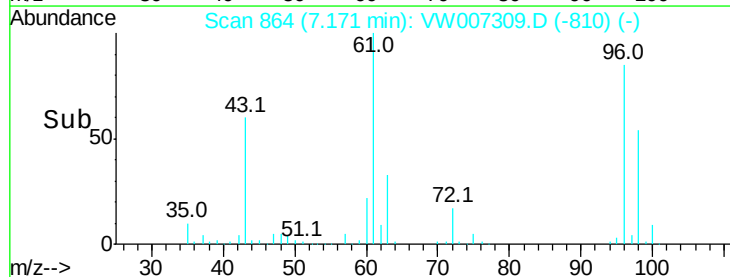
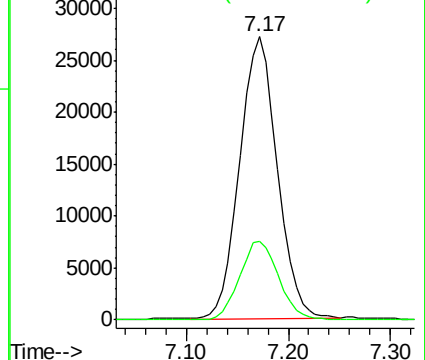
43 100

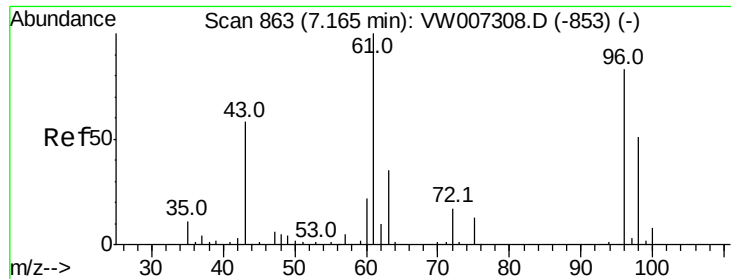
72 28.8 14.7 44.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



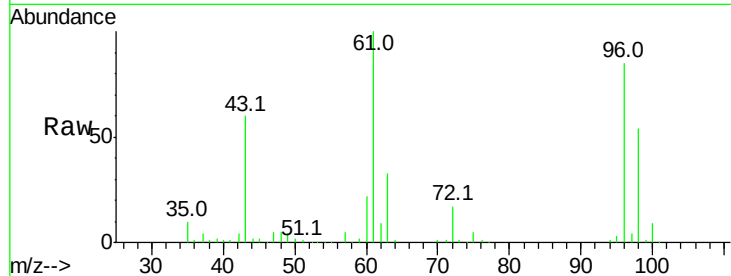


#22

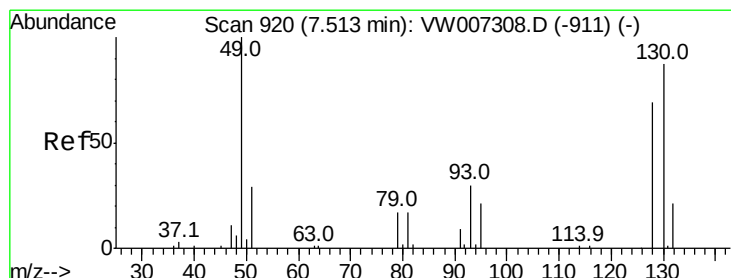
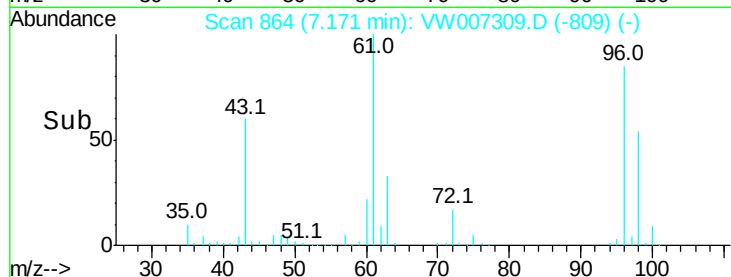
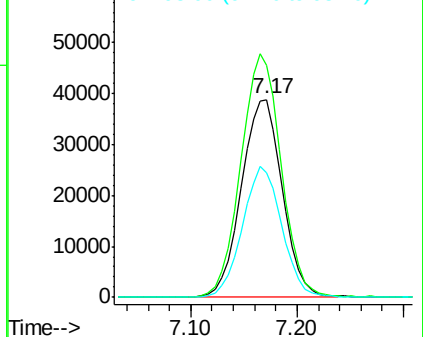
cis-1,2-Dichloroethene
Concen: 55.289 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007309.D
Acq: 07 Dec 2018 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTD05095

Tgt Ion: 96 Resp: 104479
Ion Ratio Lower Upper
96 100
61 117.4 84.6 157.2
98 63.0 42.9 79.7



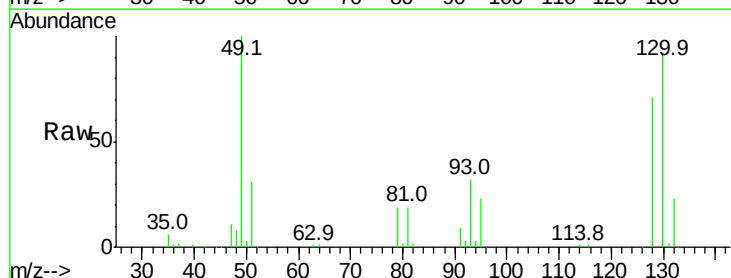
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



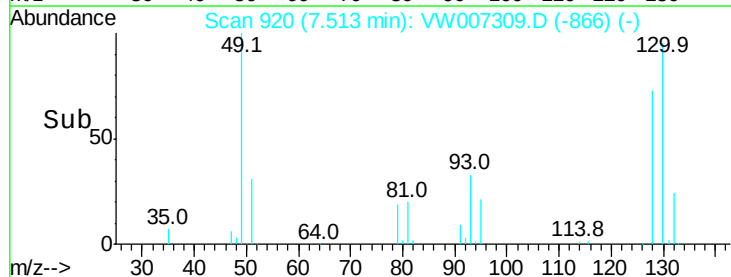
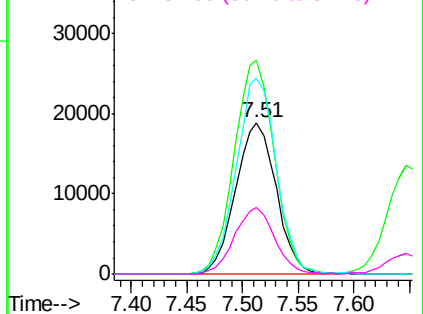
#23

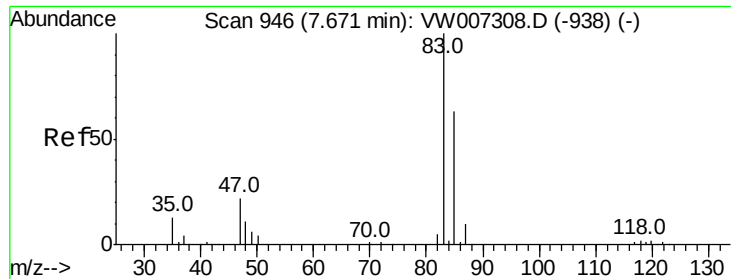
Bromochloromethane
Concen: 58.179 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW007309.D
Acq: 07 Dec 2018 14:58

Tgt Ion: 128 Resp: 47837
Ion Ratio Lower Upper
128 100
49 140.8 102.3 190.1
130 129.2 88.0 163.4
51 44.2 34.2 51.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

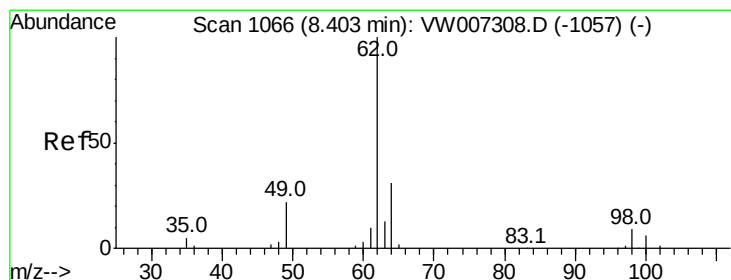
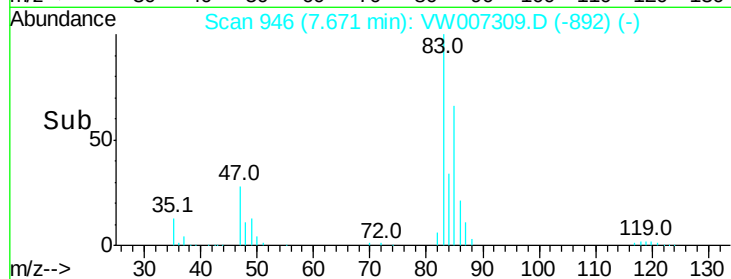
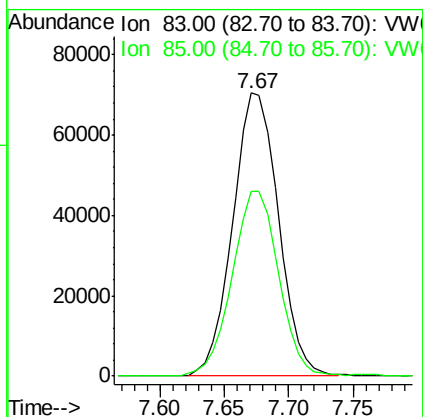
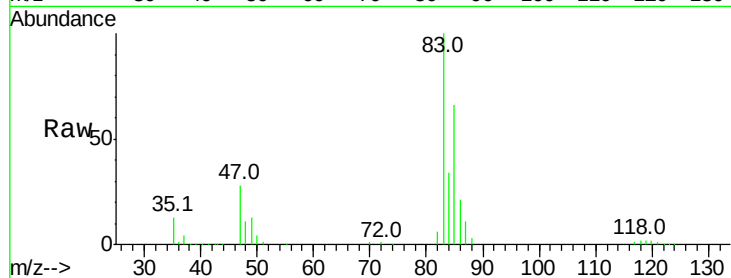




#25
Chloroform
Concen: 54.892 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW007309.D
Acq: 07 Dec 2018 14:58

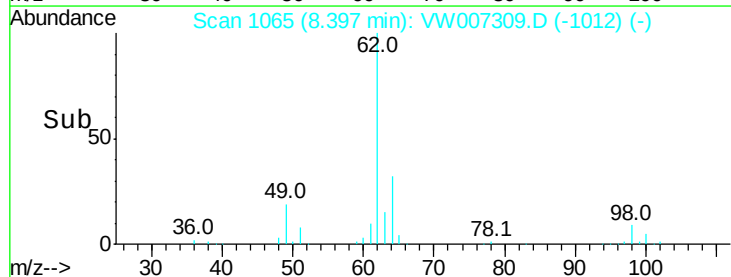
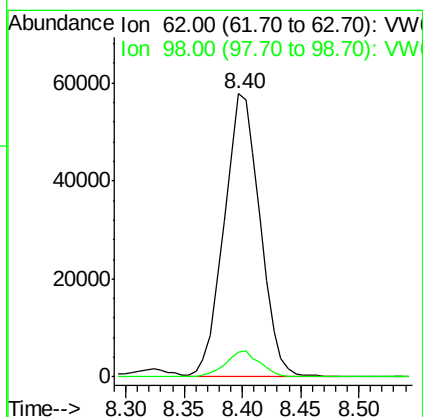
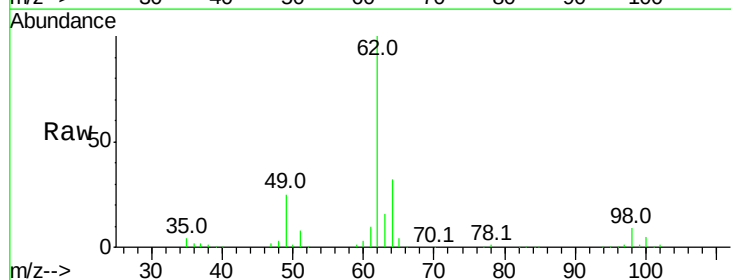
Instrument :
MSVOA_W
ClientSampleId :
VSTD05095

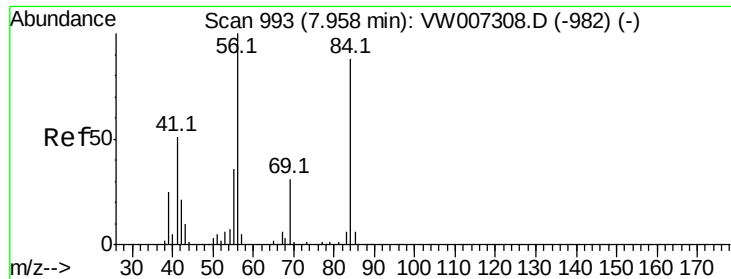
Tgt Ion: 83 Resp: 174088
Ion Ratio Lower Upper
83 100
85 66.3 46.0 85.4



#27
1,2-Dichloroethane
Concen: 58.900 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007309.D
Acq: 07 Dec 2018 14:58

Tgt Ion: 62 Resp: 123923
Ion Ratio Lower Upper
62 100
98 8.8 6.9 10.3

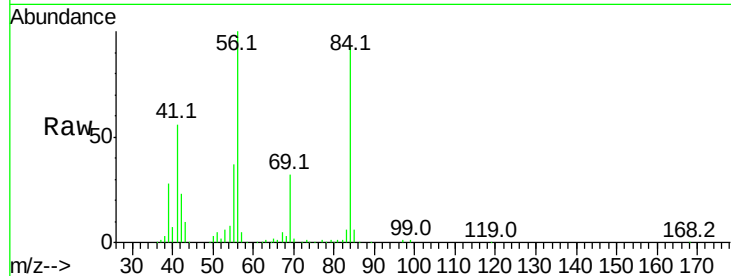




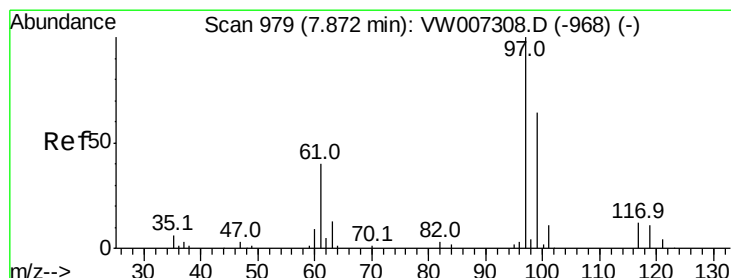
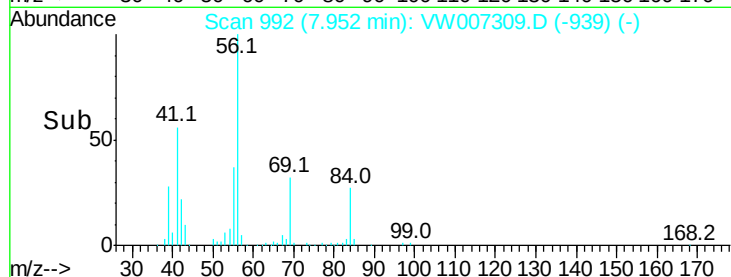
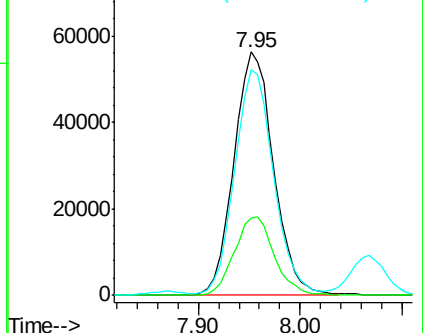
#30
Cyclohexane
Concen: 55.571 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007309.D
Acq: 07 Dec 2018 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTD05095

Tgt Ion: 56 Resp: 152096
Ion Ratio Lower Upper
56 100
69 32.4 26.0 39.0
84 91.6 73.6 110.4

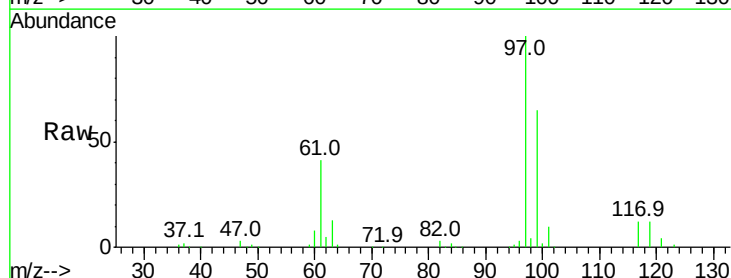


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

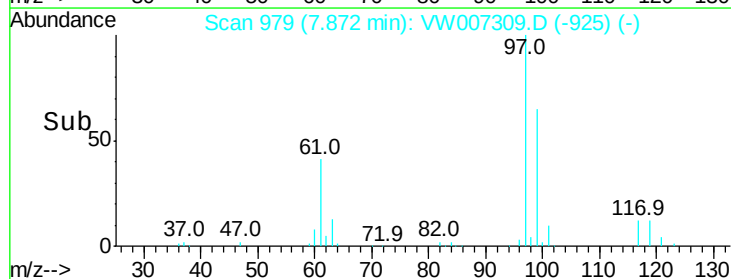
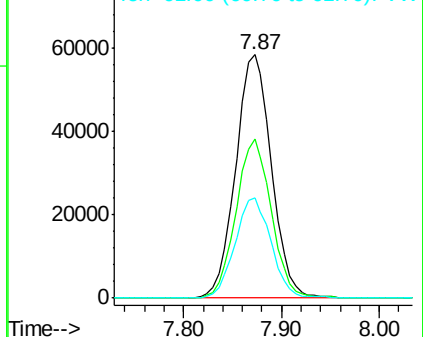


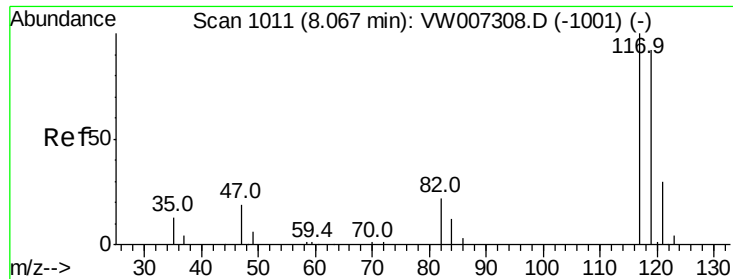
#31
1,1,1-Trichloroethane
Concen: 57.159 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW007309.D
Acq: 07 Dec 2018 14:58

Tgt Ion: 97 Resp: 148620
Ion Ratio Lower Upper
97 100
99 64.6 51.3 76.9
61 41.5 33.2 49.8



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: 61.489 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

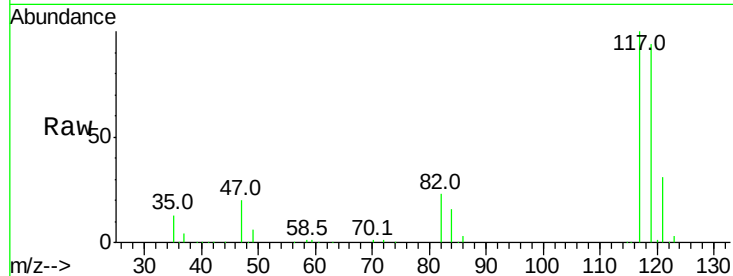
VSTD05095

Tgt Ion:117 Resp: 145106

Ion Ratio Lower Upper

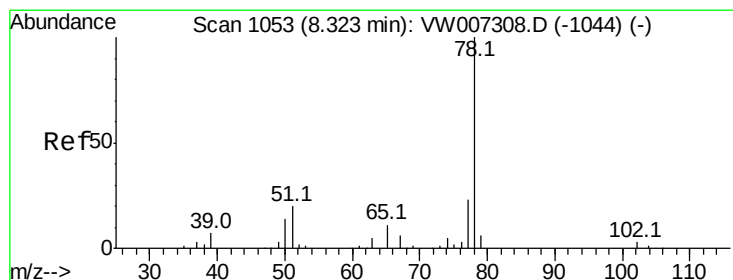
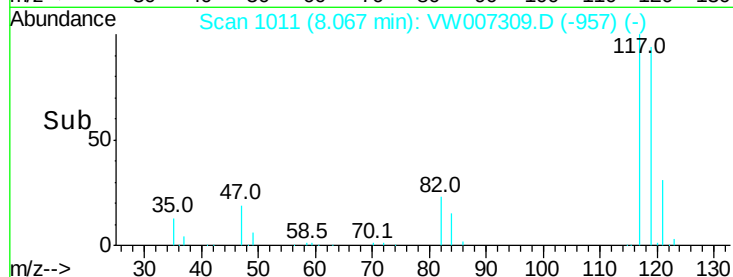
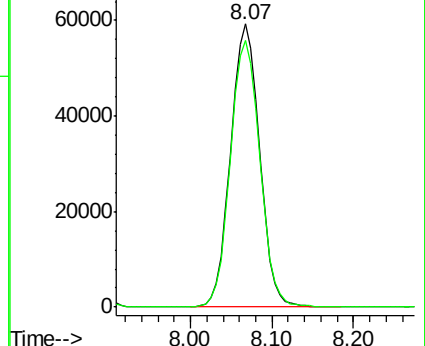
117 100

119 95.9 75.3 112.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 57.027 ug/L

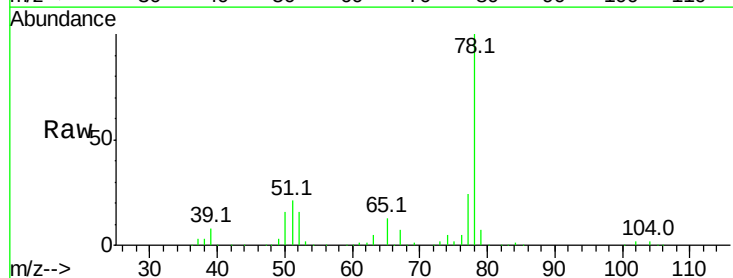
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

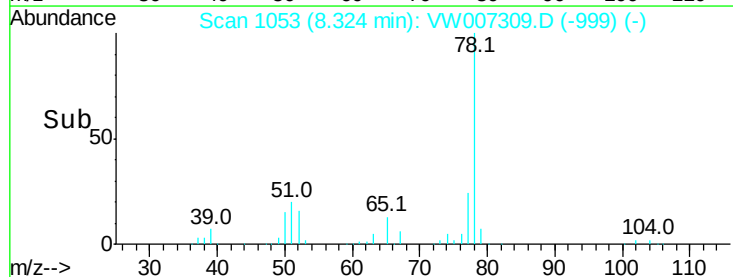
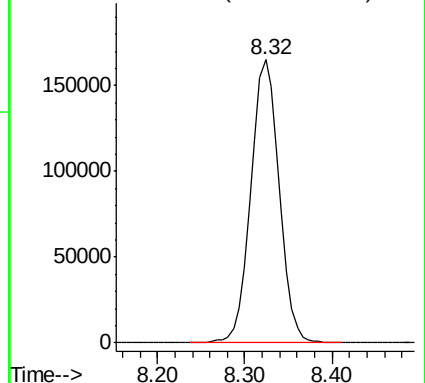
Lab File: VW007309.D

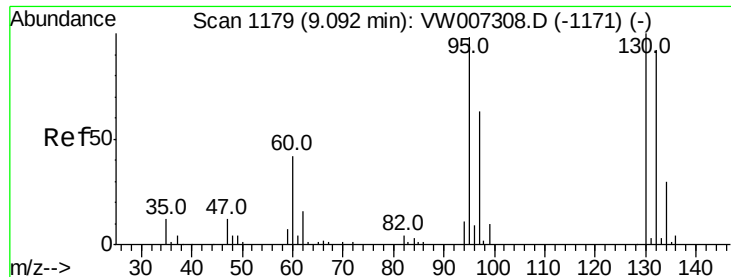
Acq: 07 Dec 2018 14:58

Tgt Ion: 78 Resp: 371072



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 59.777 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD05095

Tgt Ion: 95 Resp: 105457

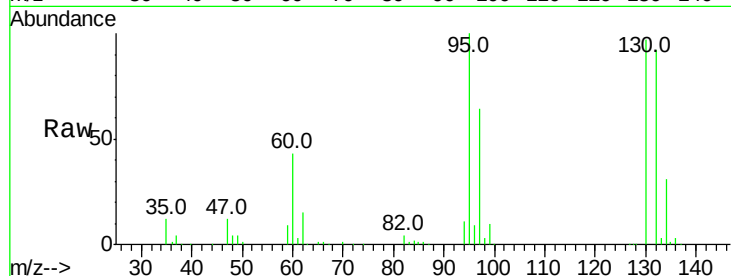
Ion Ratio Lower Upper

95 100

97 63.9 45.8 85.0

132 96.1 68.0 126.4

130 99.6 71.6 133.0



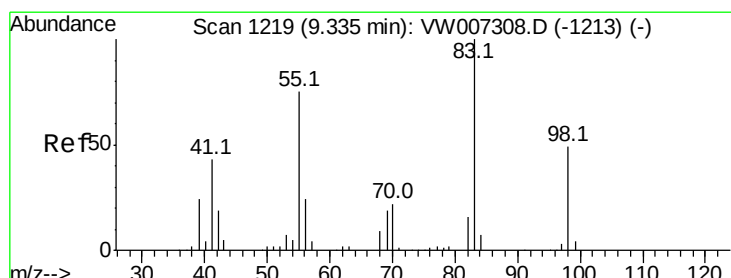
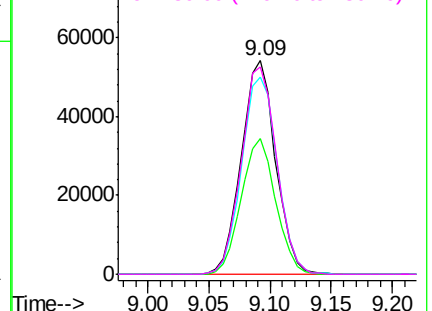
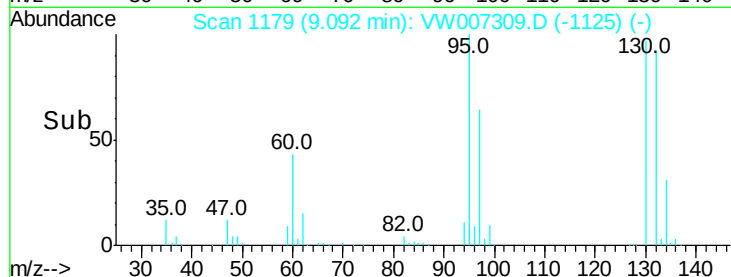
Abundance

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: 54.767 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

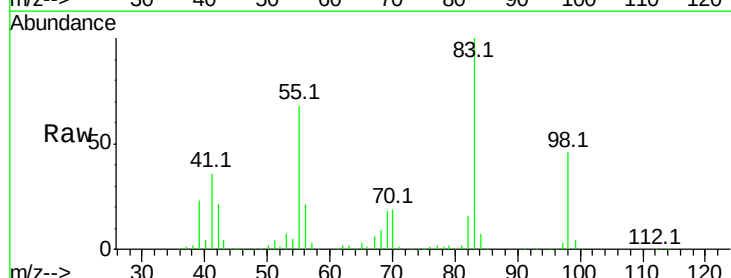
Tgt Ion: 83 Resp: 179404

Ion Ratio Lower Upper

83 100

55 70.9 59.4 89.2

98 47.6 38.1 57.1

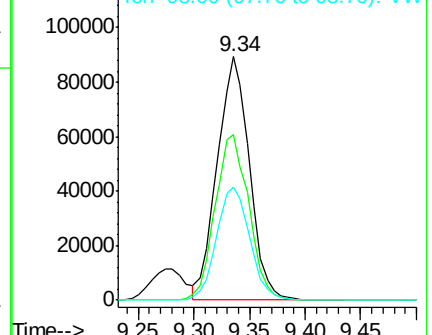
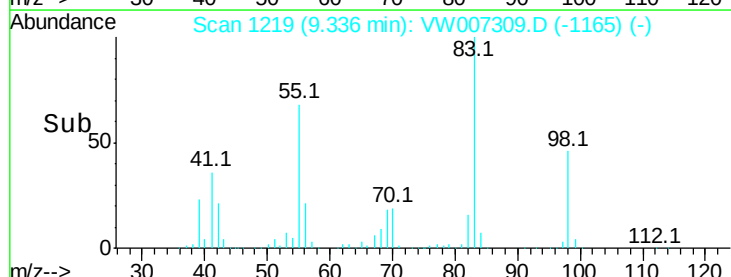


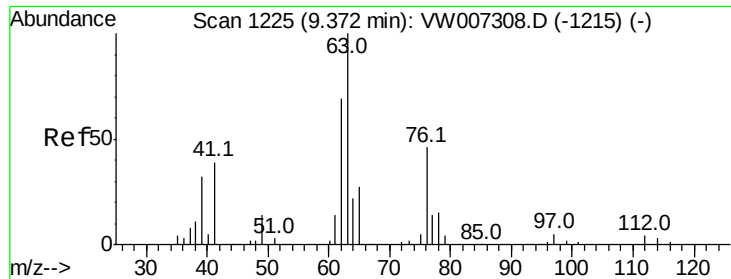
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

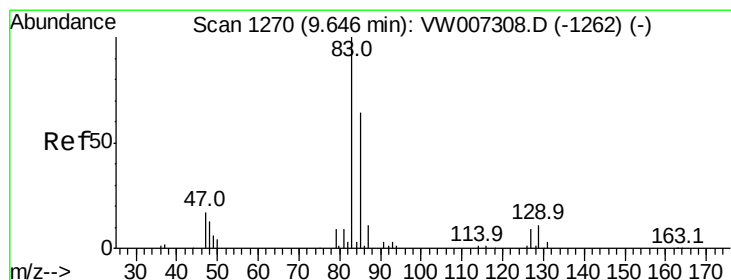
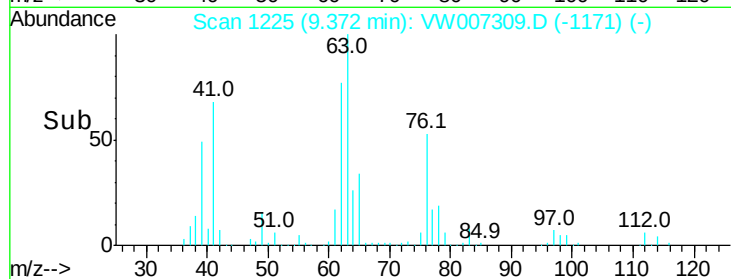
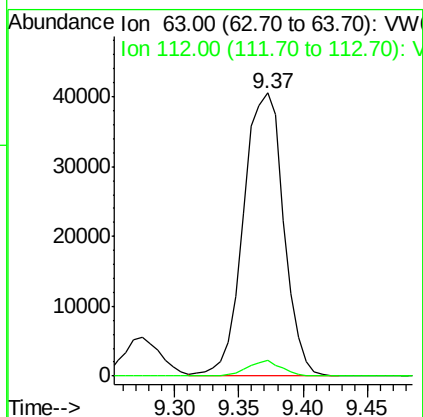
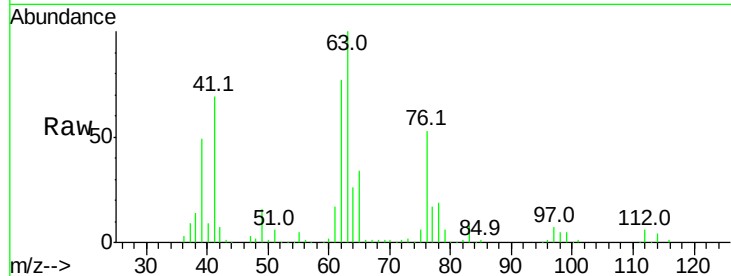




#40
 1,2-Dichloropropane
 Concen: 56.136 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW007309.D
 Acq: 07 Dec 2018 14:58

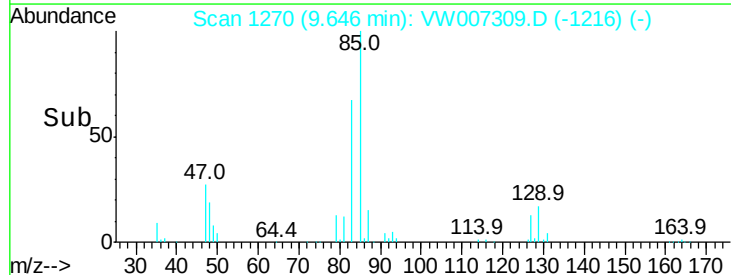
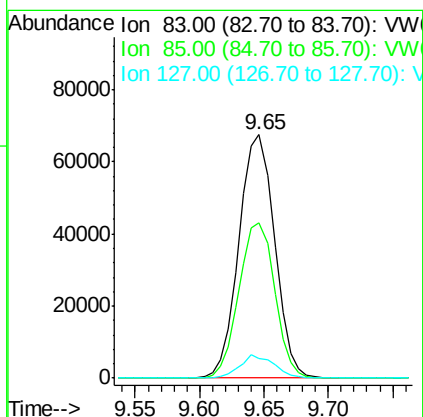
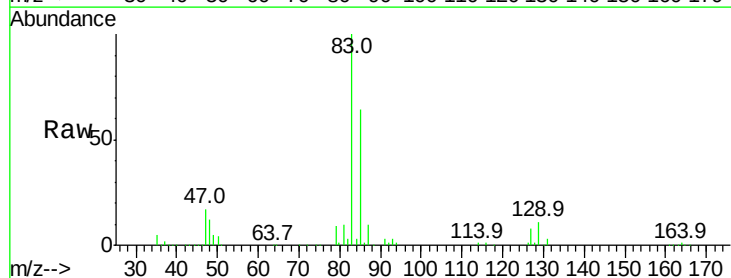
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05095

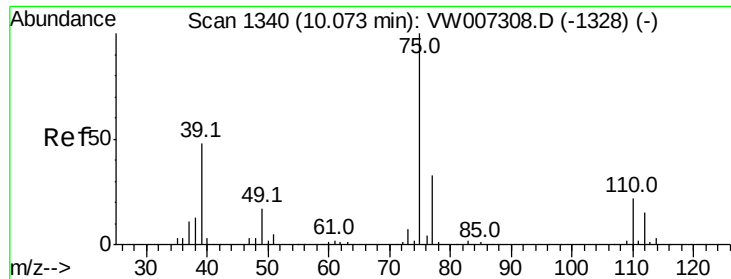
Tgt Ion: 63 Resp: 87616
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#41
 Bromodichloromethane
 Concen: 63.631 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW007309.D
 Acq: 07 Dec 2018 14:58

Tgt Ion: 83 Resp: 130024
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.9 83.5
 127 8.1 7.4 11.2

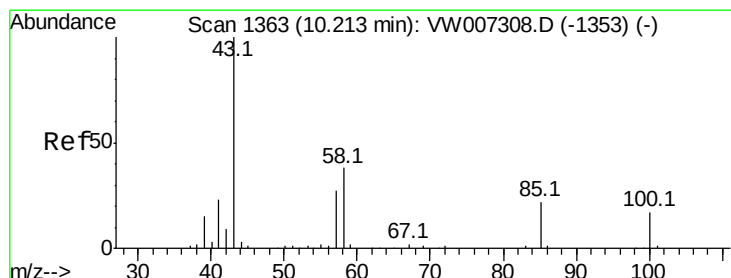
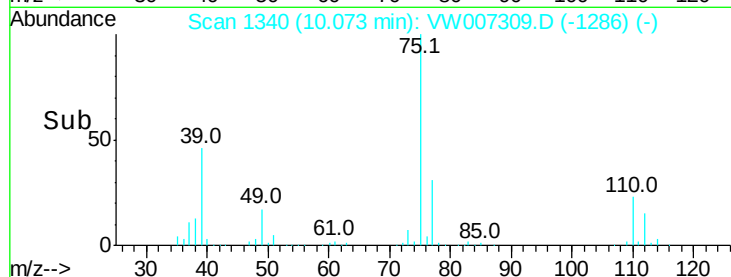
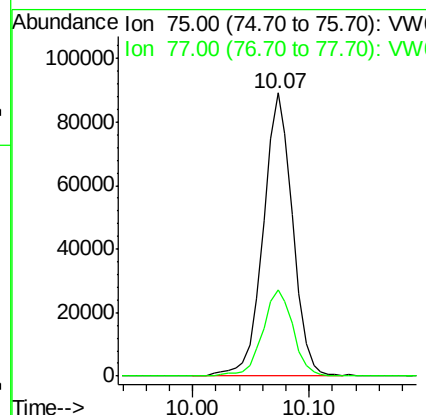
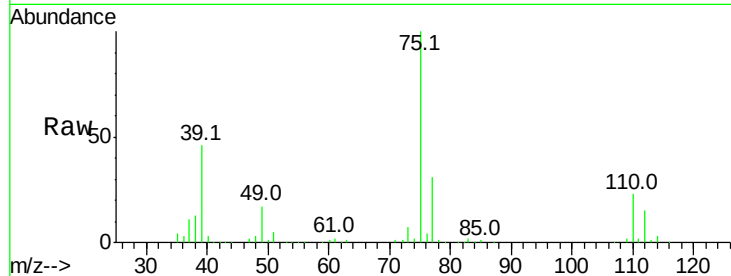




#42
 cis-1,3-Dichloroprene
 Concen: 63.098 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007309.D
 Acq: 07 Dec 2018 14:58

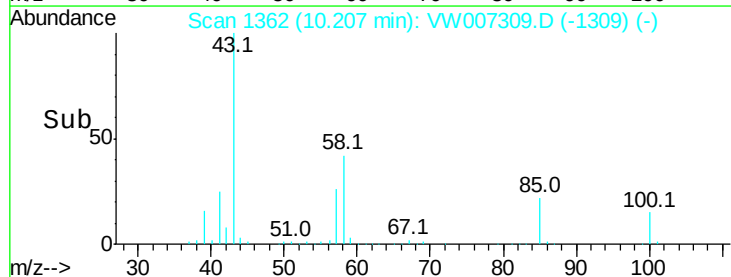
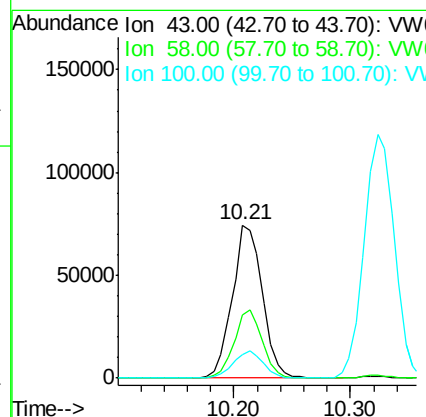
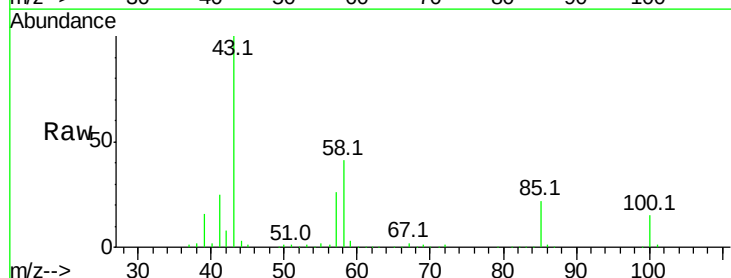
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05095

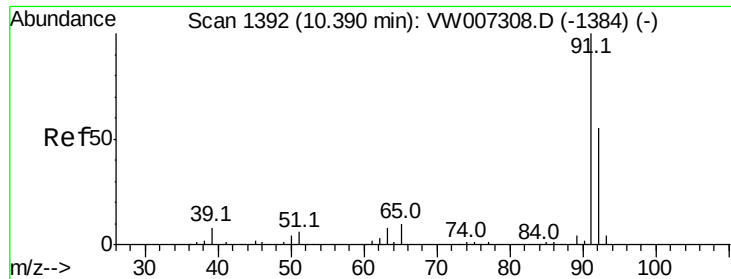
Tgt Ion: 75 Resp: 156415
 Ion Ratio Lower Upper
 75 100
 77 30.6 23.0 42.6



#43
 4-Methyl-2-pentanone
 Concen: 115.512 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW007309.D
 Acq: 07 Dec 2018 14:58

Tgt Ion: 43 Resp: 133407
 Ion Ratio Lower Upper
 43 100
 58 41.8 32.6 48.8
 100 17.6 13.8 20.8





#44

Toluene

Concen: 50.880 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

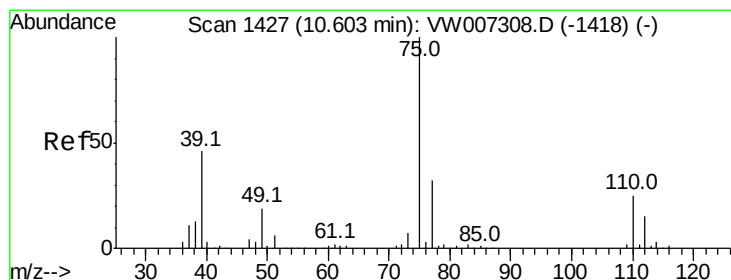
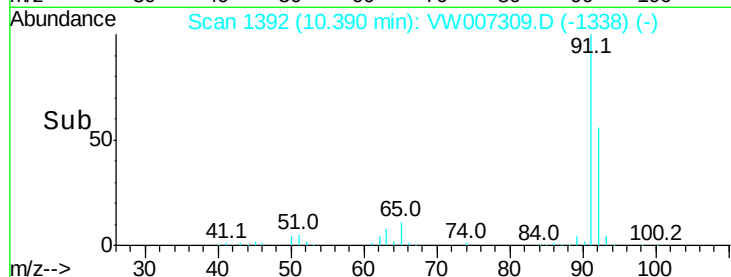
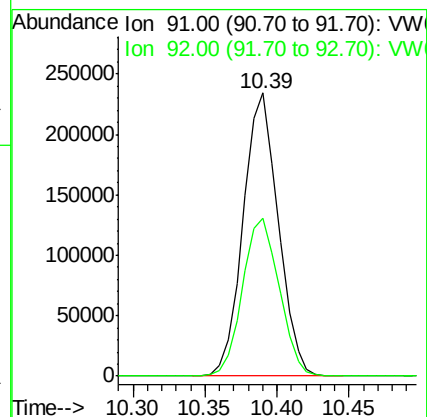
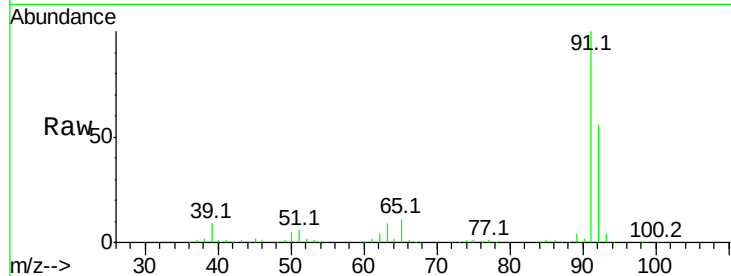
VSTD05095

Tgt Ion: 91 Resp: 396701

Ion Ratio Lower Upper

91 100

92 55.6 38.2 71.0



#45

trans-1,3-Dichloropropene

Concen: 62.145 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007309.D

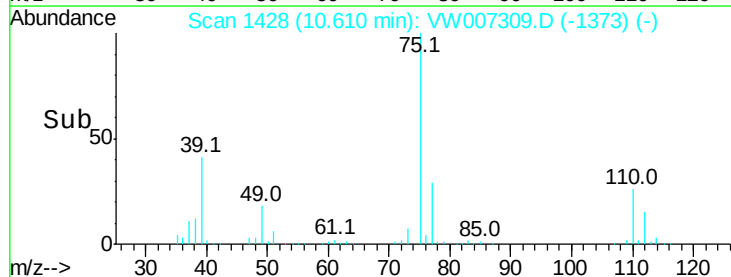
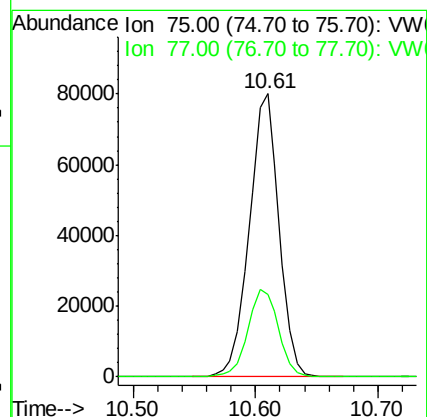
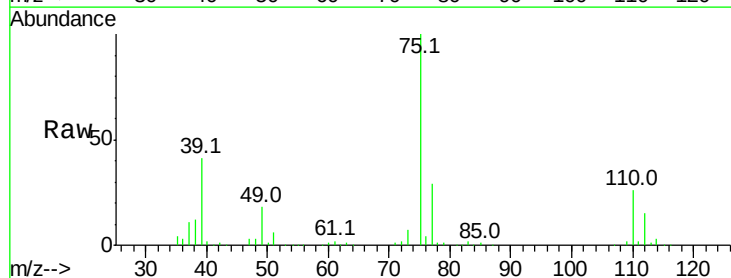
Acq: 07 Dec 2018 14:58

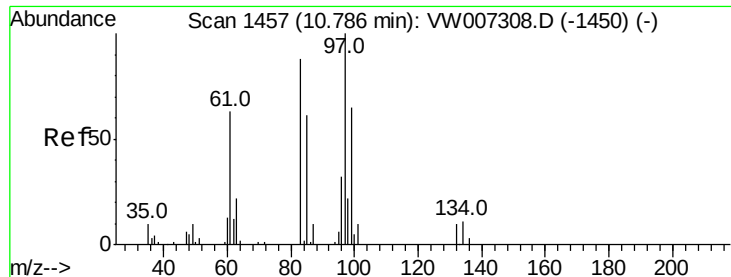
Tgt Ion: 75 Resp: 135348

Ion Ratio Lower Upper

75 100

77 29.0 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 57.978 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD05095

Tgt Ion: 97 Resp: 71262

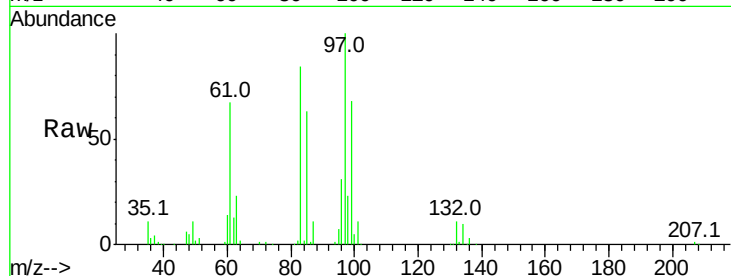
Ion Ratio Lower Upper

97 100

83 83.6 61.2 113.8

85 62.5 42.5 78.9

99 67.9 45.7 84.9

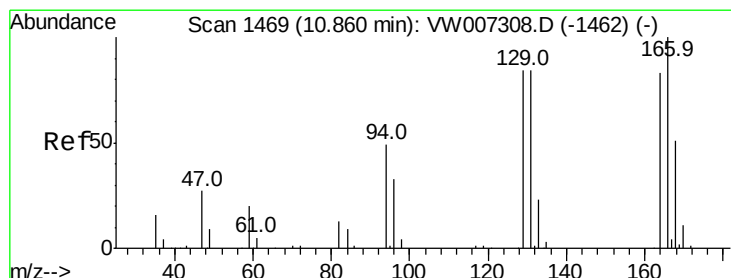
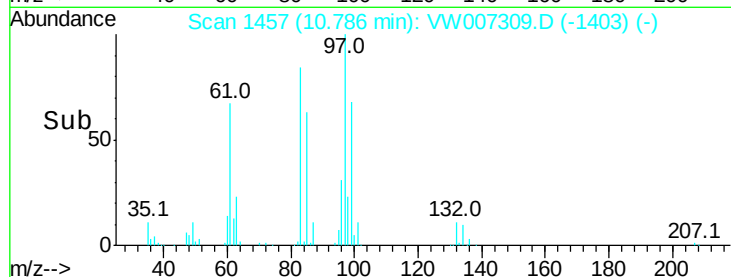
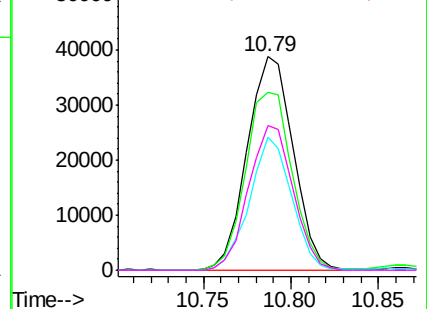


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 50.882 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

Tgt Ion: 164 Resp: 78415

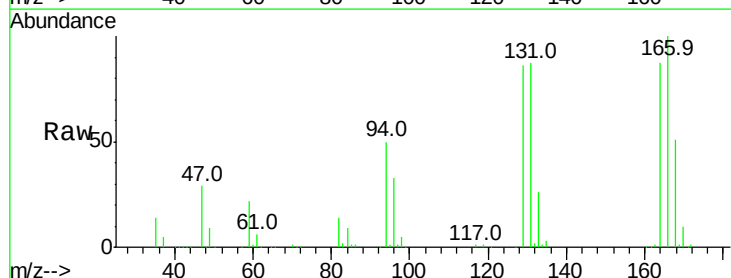
Ion Ratio Lower Upper

164 100

129 98.6 70.8 131.6

131 99.8 70.4 130.8

166 115.3 84.2 156.4

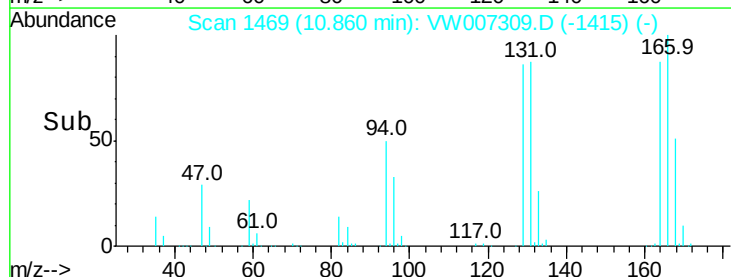
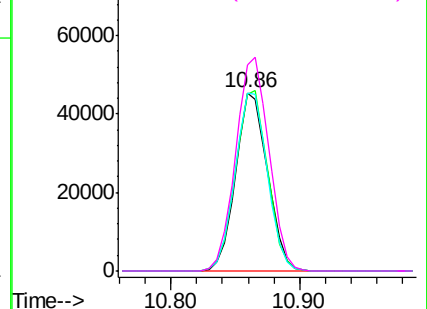


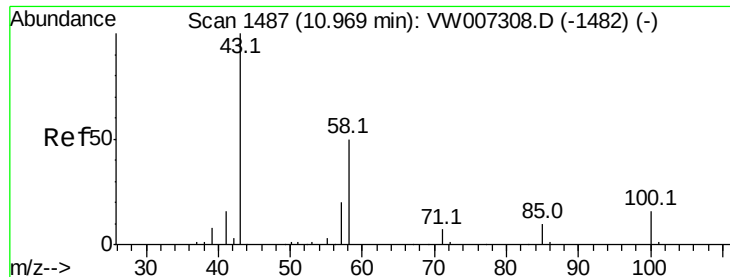
Abundance Ion 164.00 (163.70 to 164.70): V

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: 122.079 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

Instrument :

MSVOA_W

ClientSampleID :

VSTD05095

Tgt Ion: 43 Resp: 95440

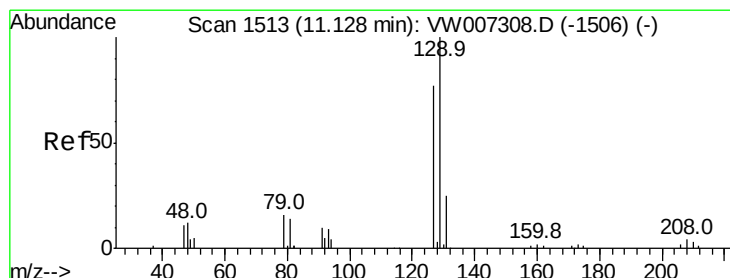
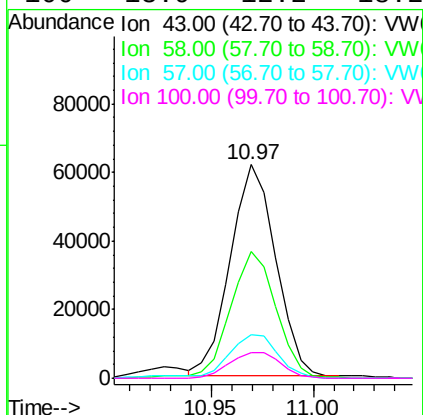
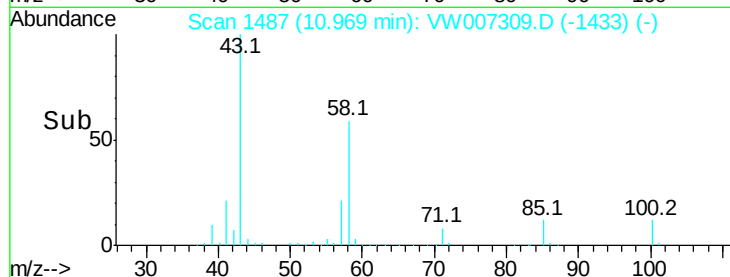
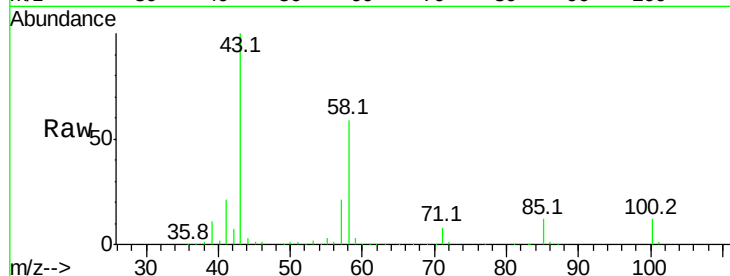
Ion Ratio Lower Upper

43 100

58 59.9 47.2 70.8

57 22.1 17.6 26.4

100 13.9 12.2 18.2



#50

Dibromochloromethane

Concen: 62.645 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007309.D

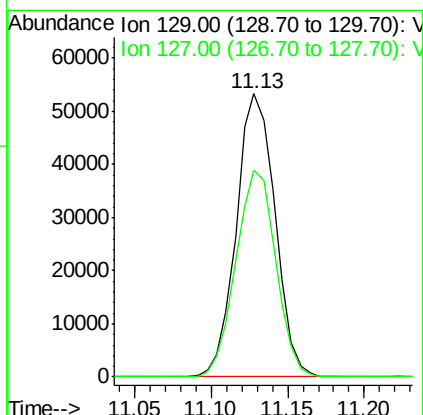
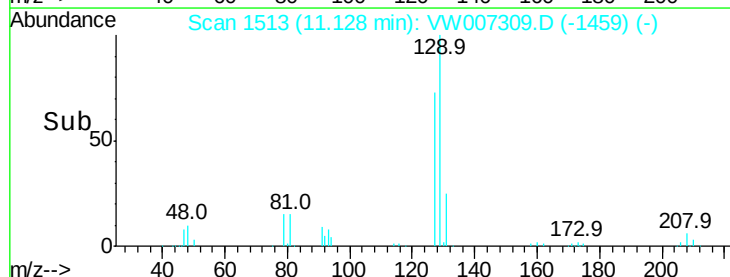
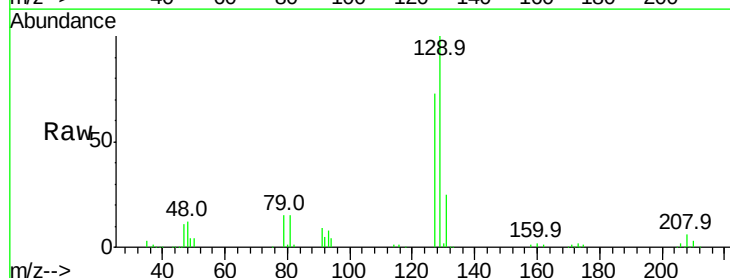
Acq: 07 Dec 2018 14:58

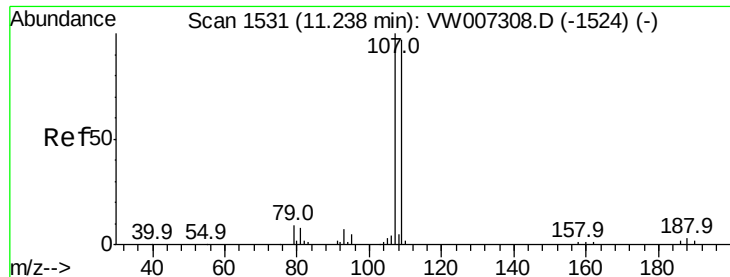
Tgt Ion: 129 Resp: 93786

Ion Ratio Lower Upper

129 100

127 72.9 53.8 100.0

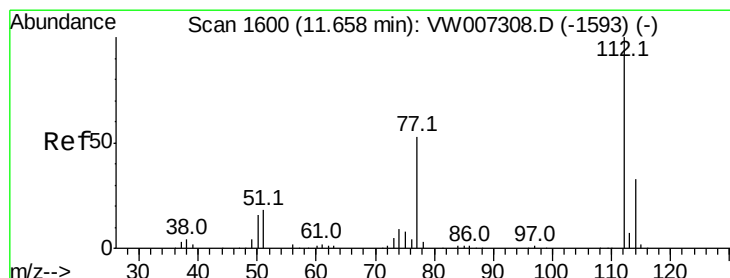
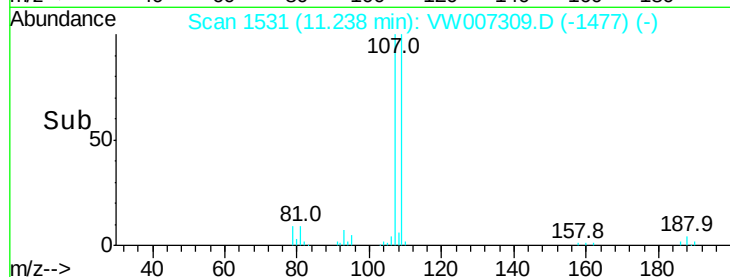
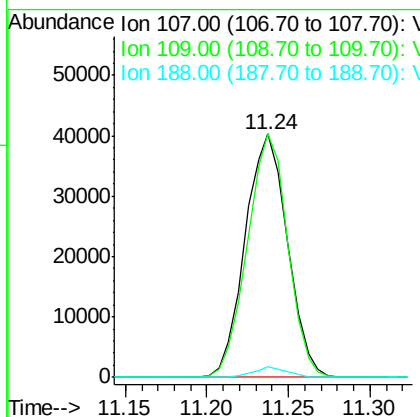
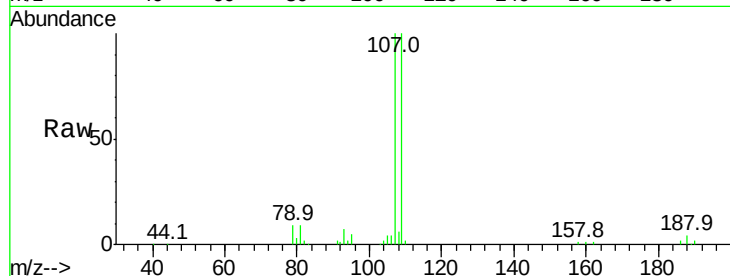




#51
 1,2-Dibromoethane
 Concen: 58.318 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007309.D
 Acq: 07 Dec 2018 14:58

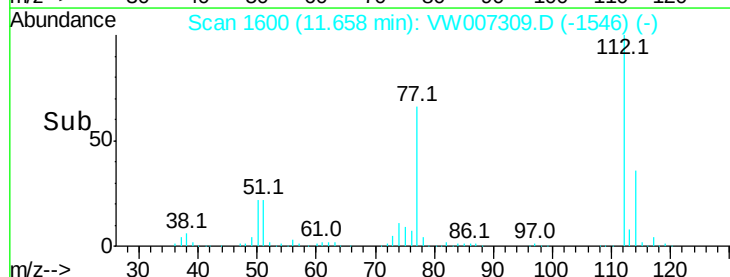
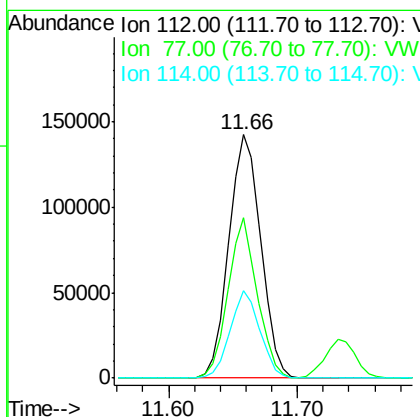
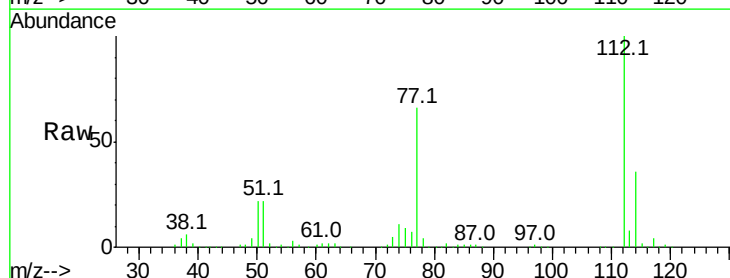
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05095

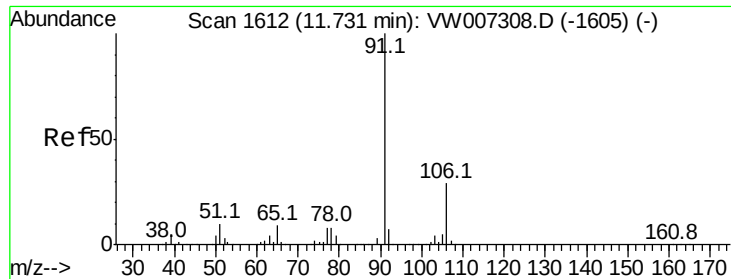
Tgt Ion:107 Resp: 72635
 Ion Ratio Lower Upper
 107 100
 109 99.9 67.6 125.6
 188 4.3 2.6 4.0#



#52
 Chlorobenzene
 Concen: 48.011 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW007309.D
 Acq: 07 Dec 2018 14:58

Tgt Ion:112 Resp: 246784
 Ion Ratio Lower Upper
 112 100
 77 65.9 42.6 63.8#
 114 36.0 23.0 42.8

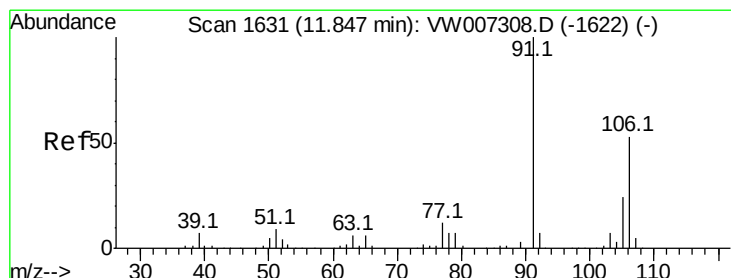
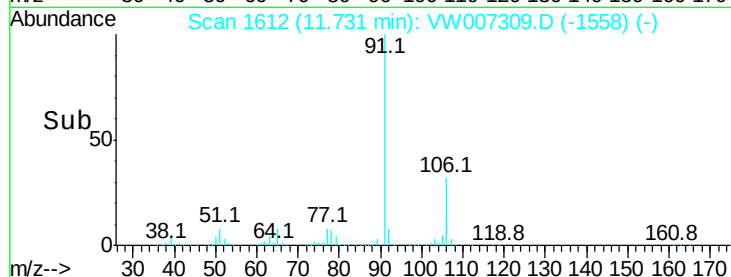
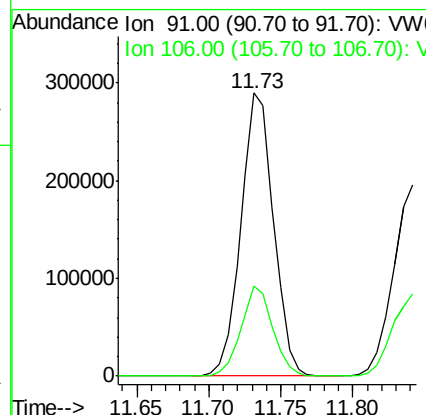
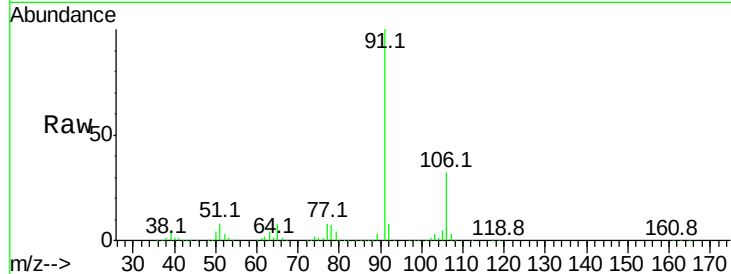




#53
Ethylbenzene
Concen: 50.265 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007309.D
Acq: 07 Dec 2018 14:58

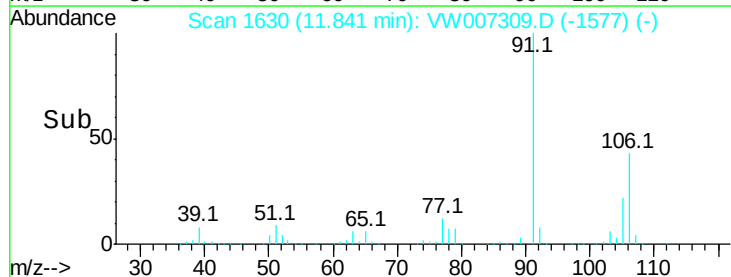
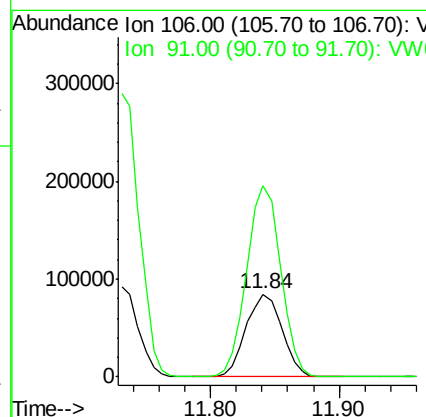
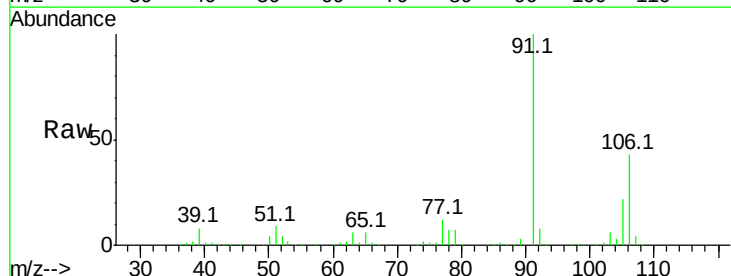
Instrument :
MSVOA_W
ClientSampleId :
VSTD05095

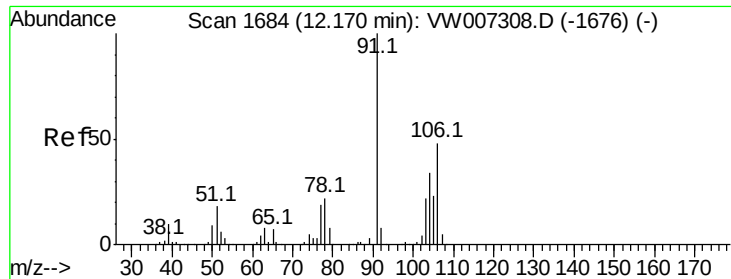
Tgt Ion: 91 Resp: 454358
Ion Ratio Lower Upper
91 100
106 31.7 20.2 37.4



#54
m,p-Xylene
Concen: 46.540 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007309.D
Acq: 07 Dec 2018 14:58

Tgt Ion: 106 Resp: 164147
Ion Ratio Lower Upper
106 100
91 231.4 132.2 245.6

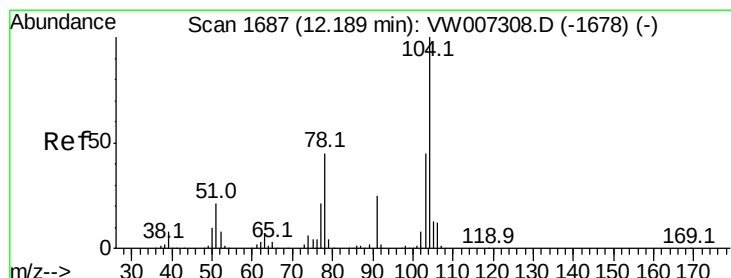
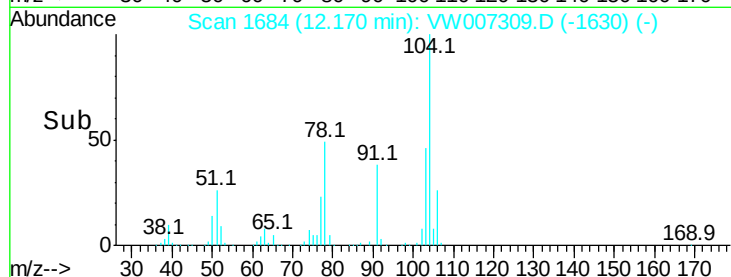
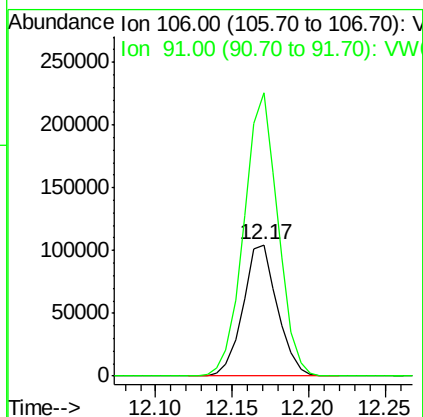
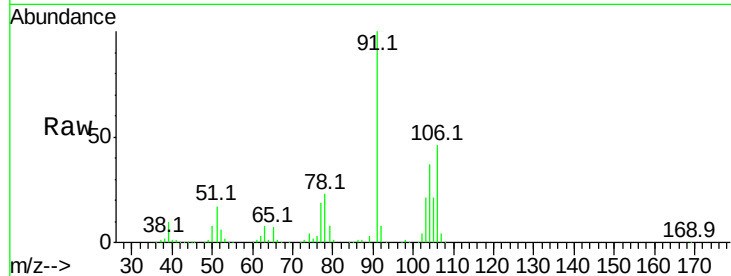




#55
o-xylene
Concen: 49.660 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007309.D
Acq: 07 Dec 2018 14:58

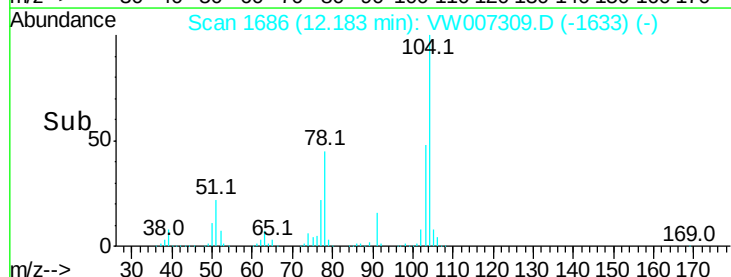
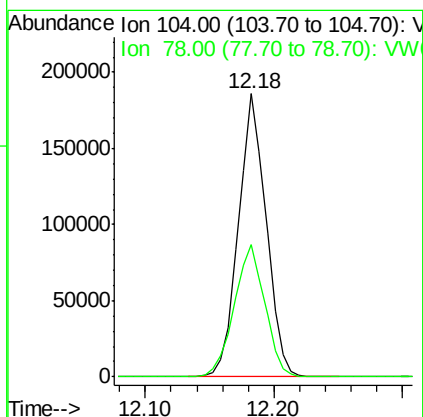
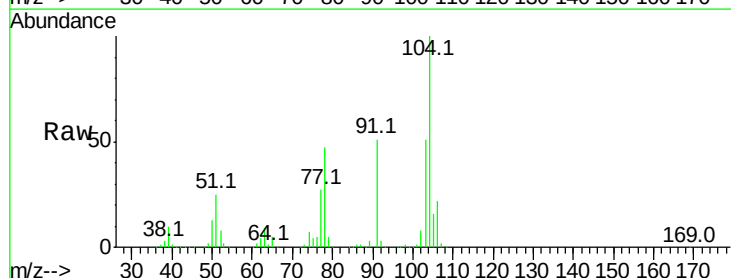
Instrument :
MSVOA_W
ClientSampled :
VSTD05095

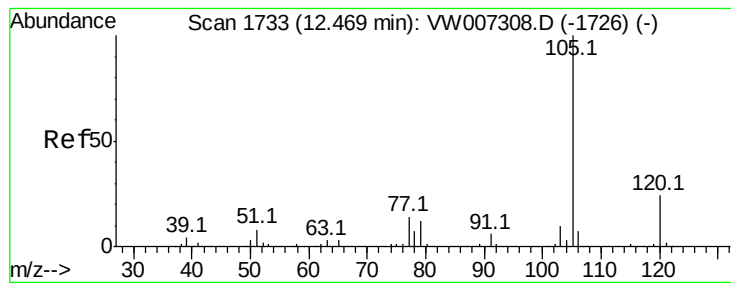
Tgt Ion:106 Resp: 162428
Ion Ratio Lower Upper
106 100
91 215.1 147.0 273.0



#56
Styrene
Concen: 50.199 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW007309.D
Acq: 07 Dec 2018 14:58

Tgt Ion:104 Resp: 277655
Ion Ratio Lower Upper
104 100
78 46.9 31.8 59.0





#57

Isopropylbenzene

Concen: 47.782 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD05095

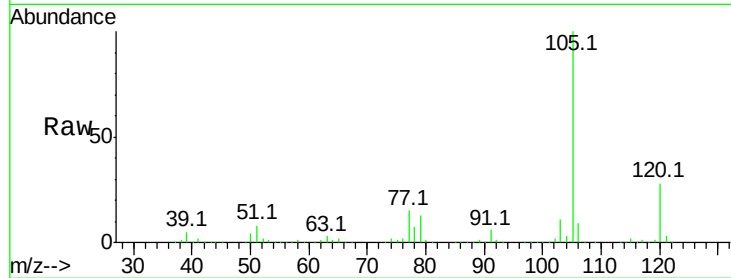
Tgt Ion:105 Resp: 434576

Ion Ratio Lower Upper

105 100

120 27.3 20.6 30.8

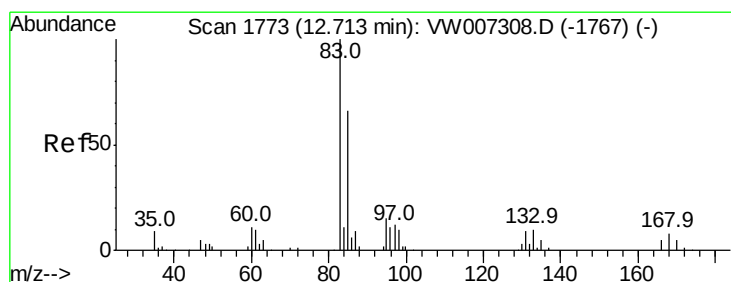
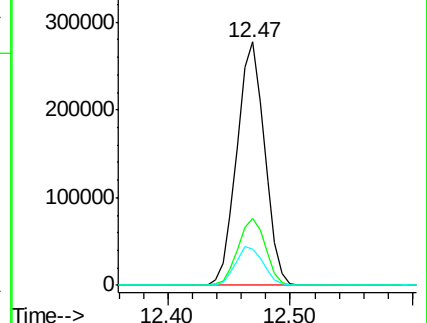
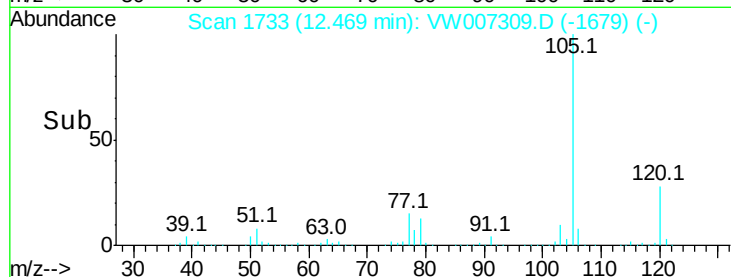
77 15.9 12.2 18.2



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: 56.011 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

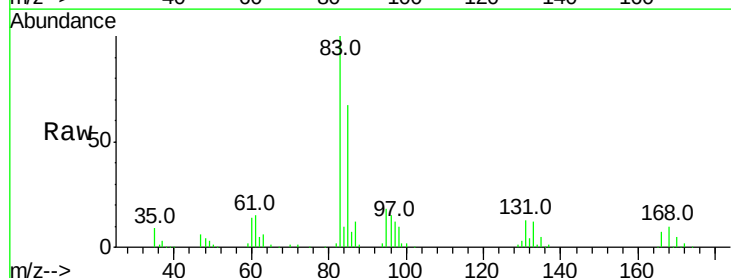
Tgt Ion: 83 Resp: 87484

Ion Ratio Lower Upper

83 100

85 66.8 46.2 85.8

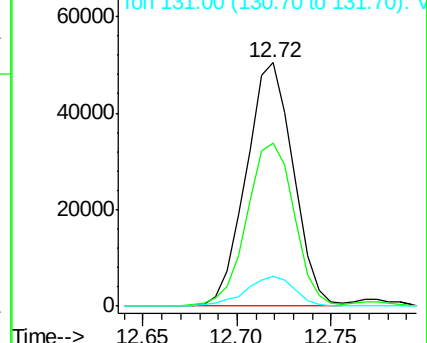
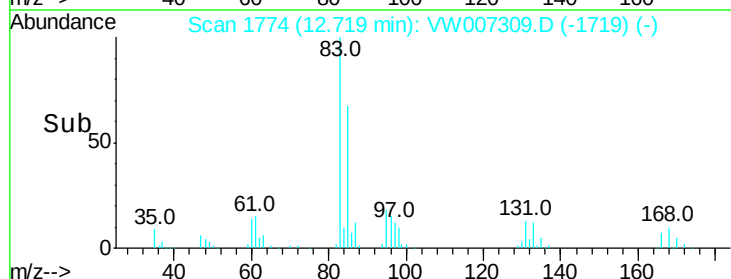
131 12.5 7.8 11.6#

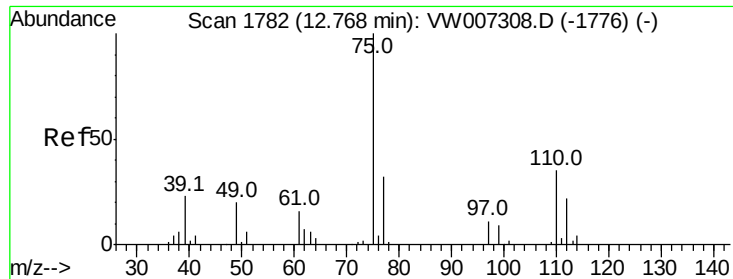


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

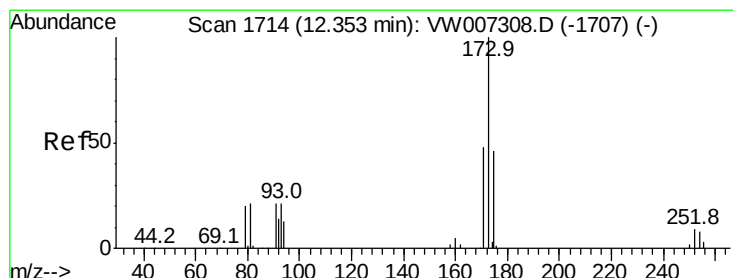
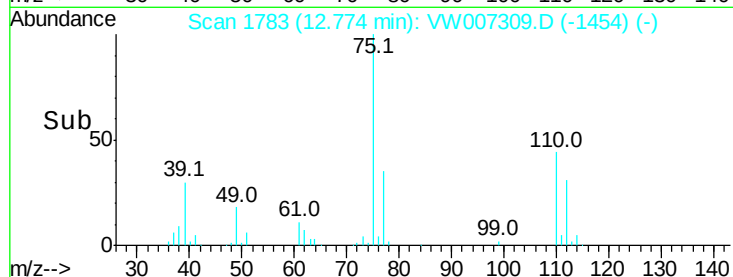
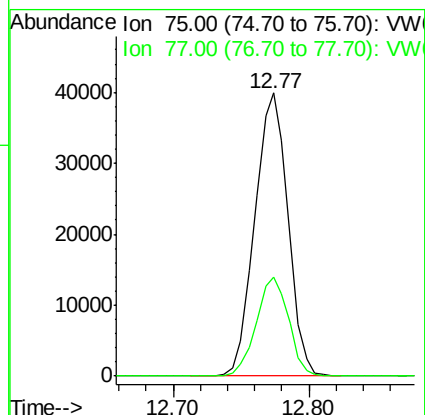
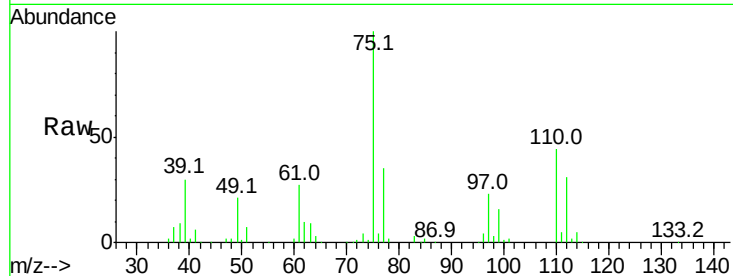




#59
 1,2,3-Trichloropropane
 Concen: 55.843 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW007309.D
 Acq: 07 Dec 2018 14:58

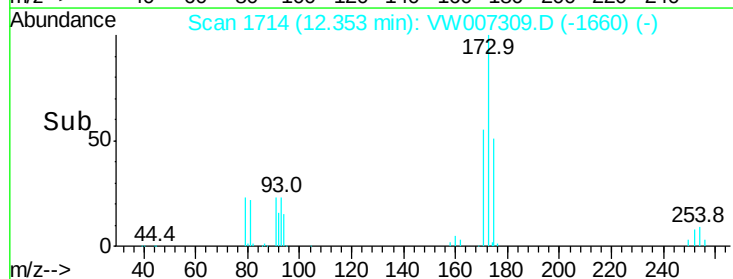
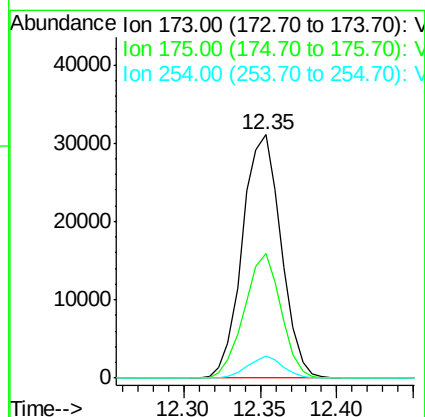
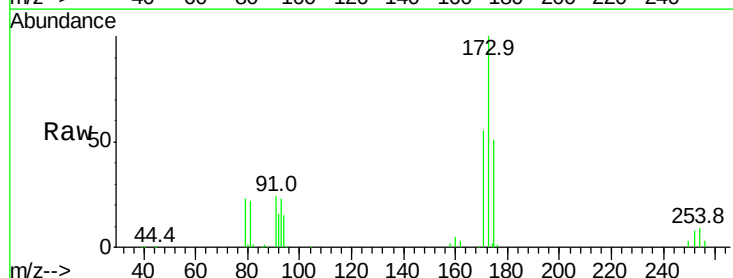
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05095

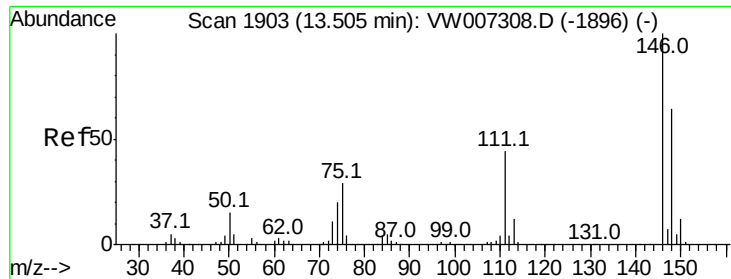
Tgt Ion: 75 Resp: 68165
 Ion Ratio Lower Upper
 75 100
 77 34.2 26.5 39.7



#62
 Bromoform
 Concen: 64.716 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW007309.D
 Acq: 07 Dec 2018 14:58

Tgt Ion: 173 Resp: 54556
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.6 58.0
 254 8.2 6.4 9.6

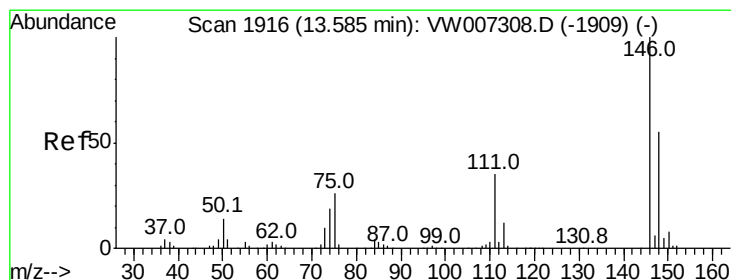
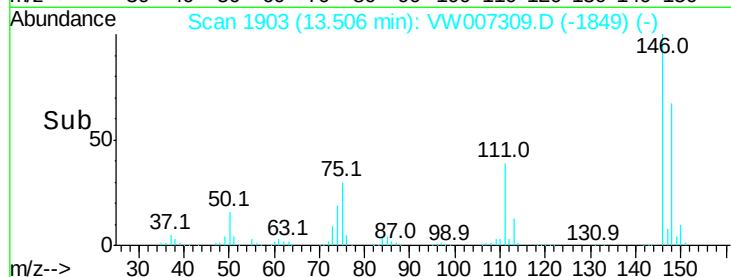
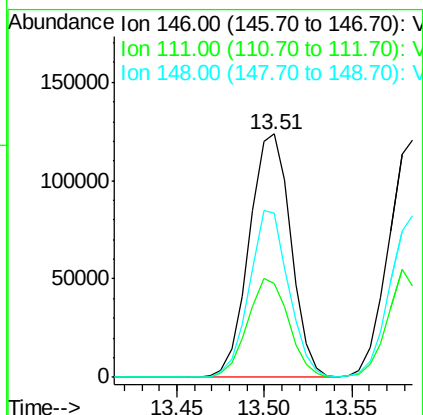
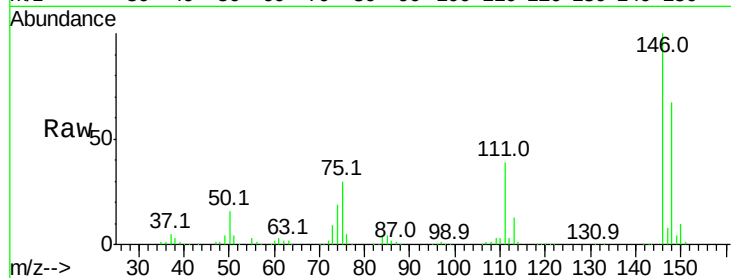




#63
 1,3-Dichlorobenzene
 Concen: 50.632 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007309.D
 Acq: 07 Dec 2018 14:58

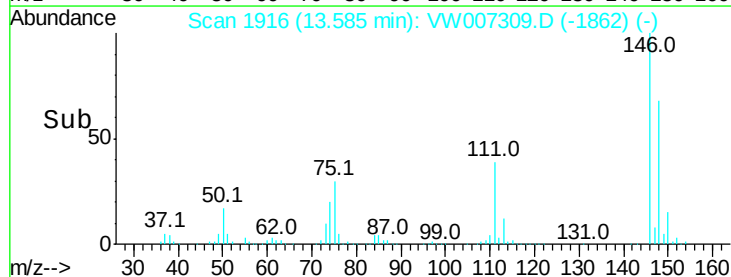
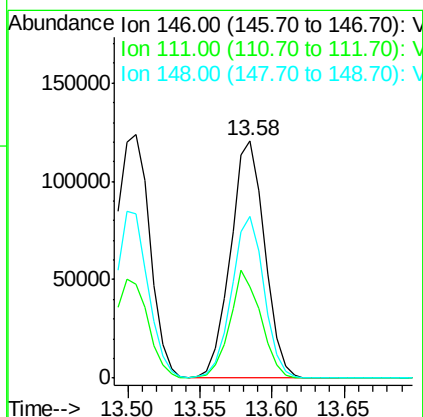
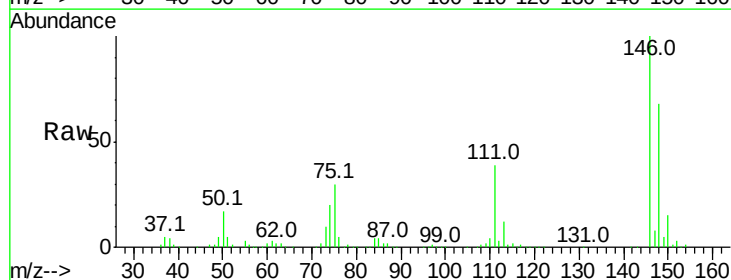
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05095

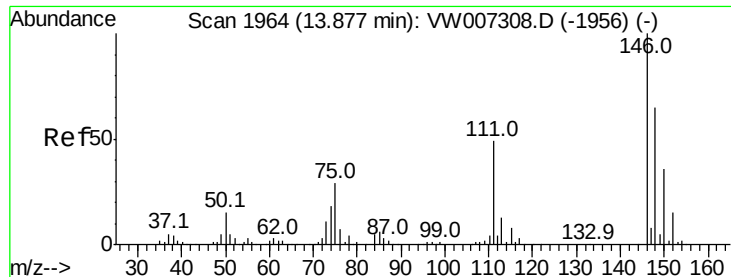
Tgt Ion:146 Resp: 205134
 Ion Ratio Lower Upper
 146 100
 111 38.8 31.0 57.6
 148 67.5 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 48.874 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007309.D
 Acq: 07 Dec 2018 14:58

Tgt Ion:146 Resp: 199166
 Ion Ratio Lower Upper
 146 100
 111 38.6 24.8 46.0
 148 68.0 38.7 71.9

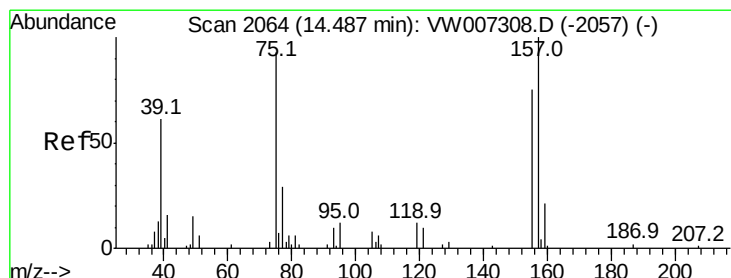
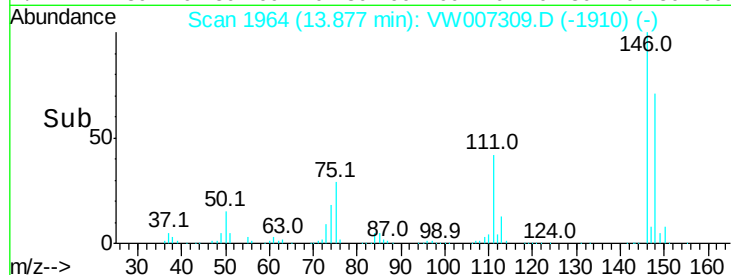
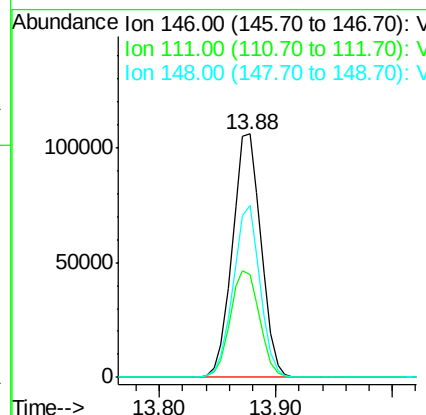
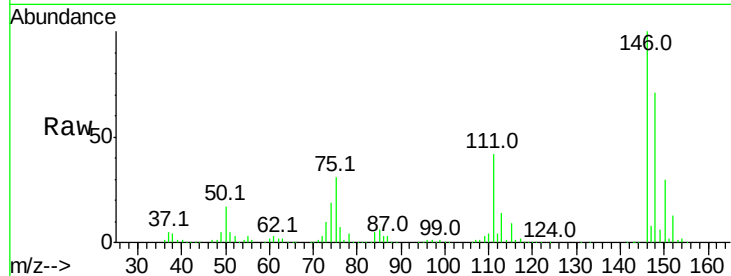




#65
 1,2-Dichlorobenzene
 Concen: 48.976 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW007309.D
 Acq: 07 Dec 2018 14:58

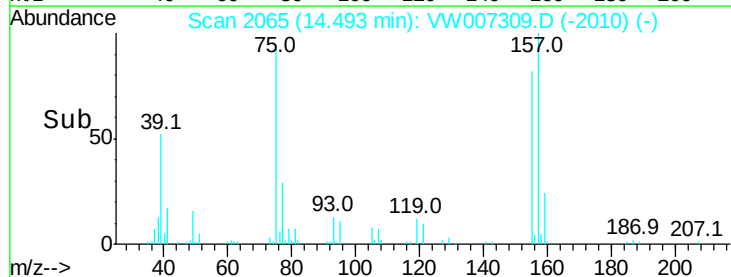
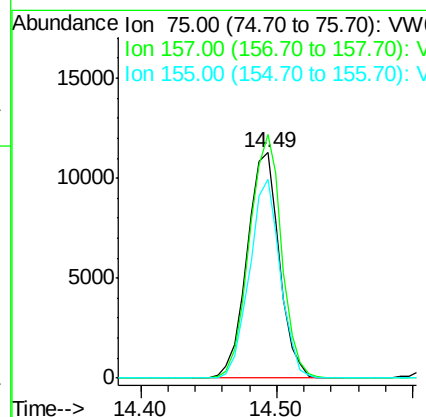
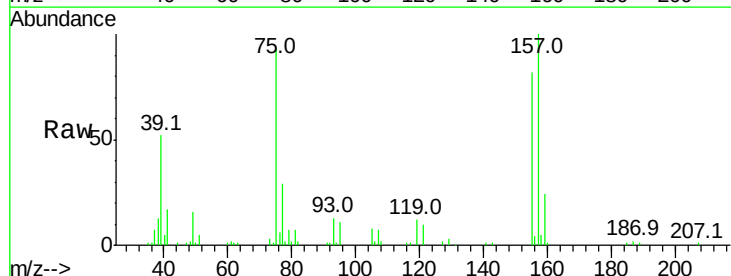
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05095

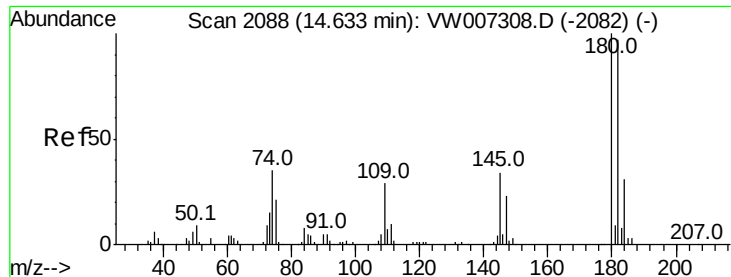
Tgt Ion:146 Resp: 181569
 Ion Ratio Lower Upper
 146 100
 111 42.2 39.3 58.9
 148 70.9 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 62.088 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW007309.D
 Acq: 07 Dec 2018 14:58

Tgt Ion: 75 Resp: 18666
 Ion Ratio Lower Upper
 75 100
 157 107.9 86.0 129.0
 155 88.1 64.9 97.3

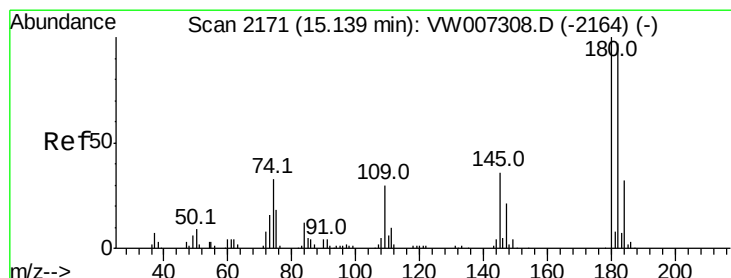
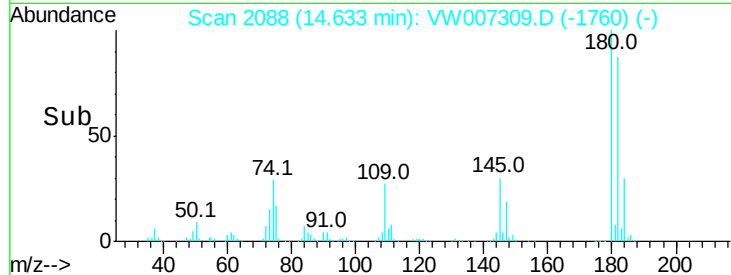
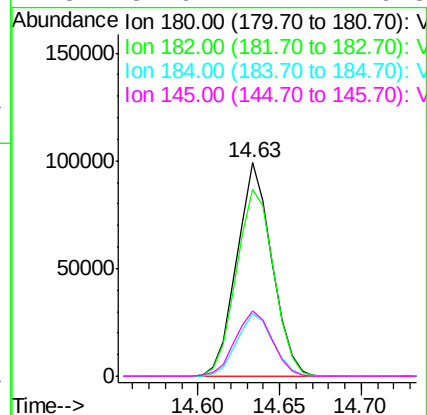
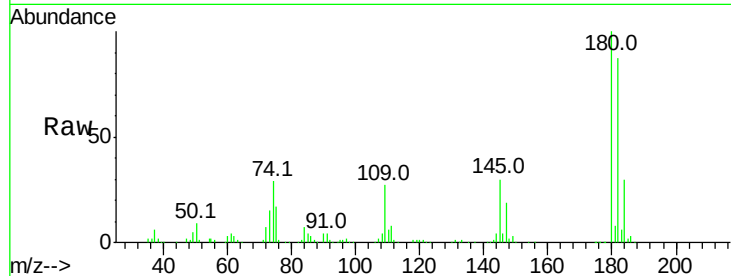




#67
 1,3,5-Trichlorobenzene
 Concen: 48.954 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007309.D
 Acq: 07 Dec 2018 14:58

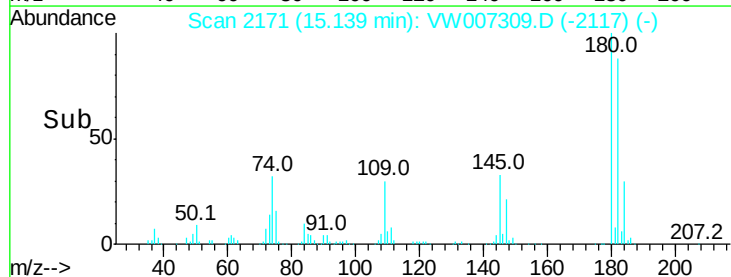
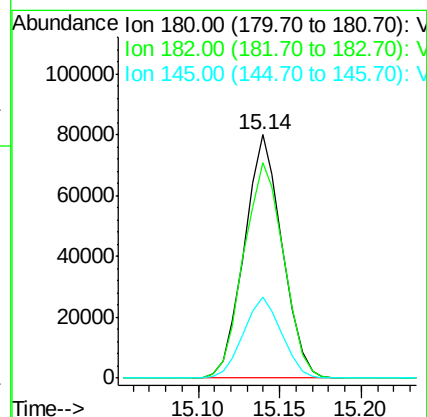
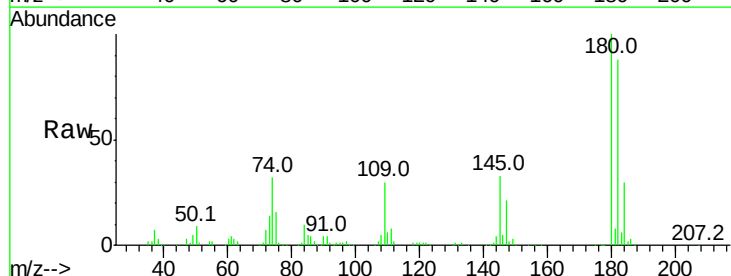
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05095

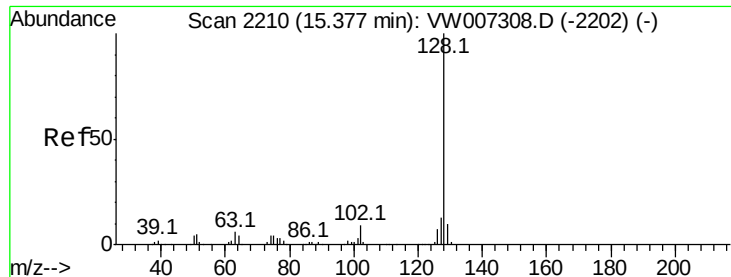
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	74.6	111.8
184	30.3	24.7	37.1
145	31.9	27.2	40.8



#68
 1,2,4-trichlorobenzene
 Concen: 49.951 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007309.D
 Acq: 07 Dec 2018 14:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	77.4	116.2
145	33.6	28.4	42.6





#69

Naphthalene

Concen: 57.764 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD05095

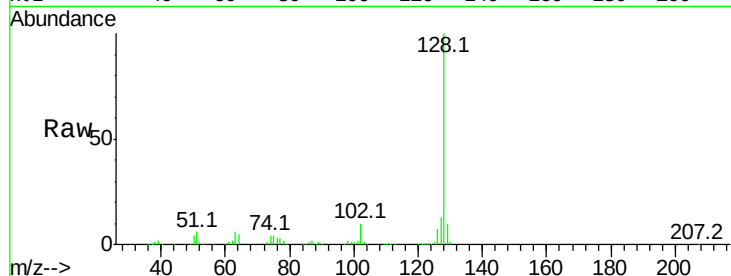
Tgt Ion:128 Resp: 318132

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

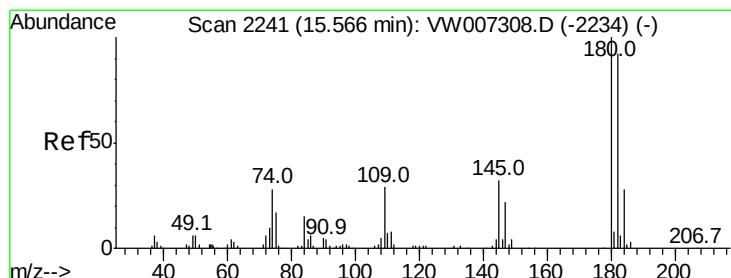
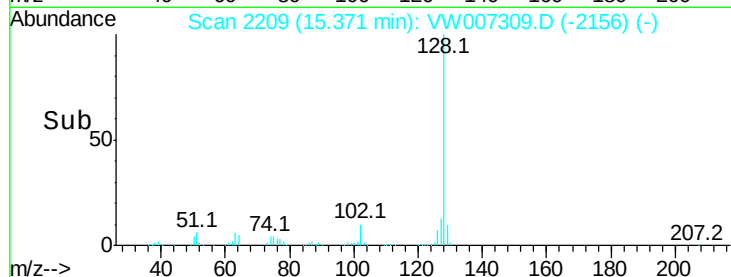
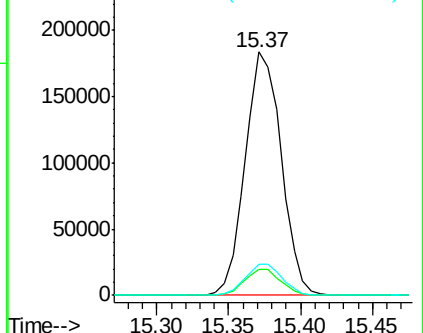
127 13.1 10.7 16.1



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: 50.799 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW007309.D

Acq: 07 Dec 2018 14:58

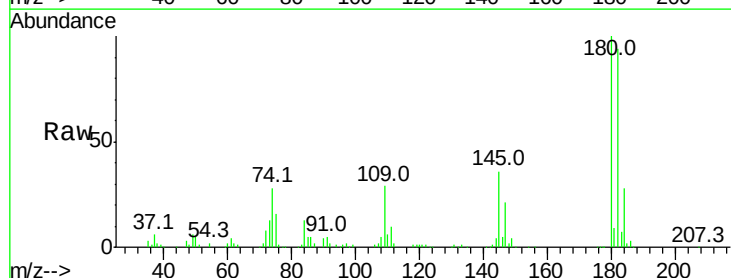
Tgt Ion:180 Resp: 114659

Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.4

145 36.2 27.4 41.0



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

