

Data File : VW011312.D
Acq On : 17 Jul 2019 16:43
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

Quant Time: Jul 18 05:00:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Thu Jul 18 04:56:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	350621	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	315683	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	155494	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	97344	18.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.72%
7) Chloroethane-d5	2.89	69	74407	19.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.24%
10) 1,1-Dichloroethene-d2	4.02	63	236133	20.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.32%
20) 2-Butanone-d5	7.07	46	100976	47.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.76%
24) Chloroform-d	7.65	84	212816	22.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.56%
26) 1,2-Dichloroethane-d4	8.31	65	128951	21.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.16%
29) Benzene-d6	8.27	84	419467	21.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.28%
33) 1,2-Dichloropropane-d6	9.27	67	142374	22.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.92%
37) Toluene-d8	10.32	98	373505	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.20%
38) trans-1,3-Dichloropropene-	10.58	79	58083	21.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.28%
39) 2-Hexanone-d5	10.92	63	68798	47.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122176	23.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	128929	21.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	95571	22.162	ug/L 96
3) Chloromethane	2.21	50	95893	20.482	ug/L 99
5) Vinyl chloride	2.36	62	132887	21.747	ug/L 99
6) Bromomethane	2.78	94	62157	21.742	ug/L 100
8) Chloroethane	2.92	64	70306	22.763	ug/L 100
9) Trichlorofluoromethane	3.25	101	49724	23.766	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	117272	25.156	ug/L 98
12) 1,1-Dichloroethene	4.04	96	109768	23.823	ug/L 84
13) Acetone	4.12	43	90924	44.139	ug/L 98
14) Carbon disulfide	4.38	76	284338	21.573	ug/L 100
15) Methyl Acetate	4.67	43	81732	24.384	ug/L 100
16) Methylene chloride	4.92	84	122256	23.728	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	184872	25.872	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	110820	23.801	ug/L 99
19) 1,1-Dichloroethane	6.21	63	236252	24.994	ug/L 98
21) 2-Butanone	7.17	43	125379	47.149	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	124883	24.779	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	52729	24.934	ug/L	97
25) Chloroform	7.67	83	223488	24.961	ug/L	100
27) 1,2-Dichloroethane	8.40	62	165992	24.253	ug/L	98
30) Cyclohexane	7.95	56	225027	23.445	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	165003	25.184	ug/L	99
32) Carbon tetrachloride	8.07	117	153818	25.033	ug/L	100
34) Benzene	8.32	78	490281	24.850	ug/L	100
35) Trichloroethene	9.09	95	122725	24.649	ug/L	99
36) Methylcyclohexane	9.34	83	210703	23.517	ug/L	100
40) 1,2-Dichloropropane	9.37	63	139036	25.717	ug/L	100
41) Bromodichloromethane	9.64	83	161678	25.939	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	207871	26.059	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	251341	50.151	ug/L	99
44) Toluene	10.38	91	515812	25.258	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	170474	25.828	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	96058	25.657	ug/L	97
47) Tetrachloroethene	10.86	164	91583	24.339	ug/L	98
49) 2-Hexanone	10.97	43	179623	49.239	ug/L	97
50) Dibromochloromethane	11.13	129	105752	26.526	ug/L	98
51) 1,2-Dibromoethane	11.24	107	90472	25.026	ug/L	98
52) Chlorobenzene	11.66	112	313163	25.101	ug/L	99
53) Ethylbenzene	11.73	91	585663	25.284	ug/L	100
54) m,p-Xylene	11.84	106	211788	25.183	ug/L	96
55) o-xylene	12.16	106	203933	25.490	ug/L	99
56) Styrene	12.18	104	356994	26.012	ug/L	100
57) Isopropylbenzene	12.46	105	559068	25.599	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	127320	25.563	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	95650	25.007	ug/L	99
62) Bromoform	12.35	173	60025	25.902	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	240576	25.148	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	243863	24.901	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	224923	25.258	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	21186	24.233	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	185651	25.613	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	150772	24.829	ug/L	100
69) Naphthalene	15.37	128	315455	24.805	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	137496	24.748	ug/L	100

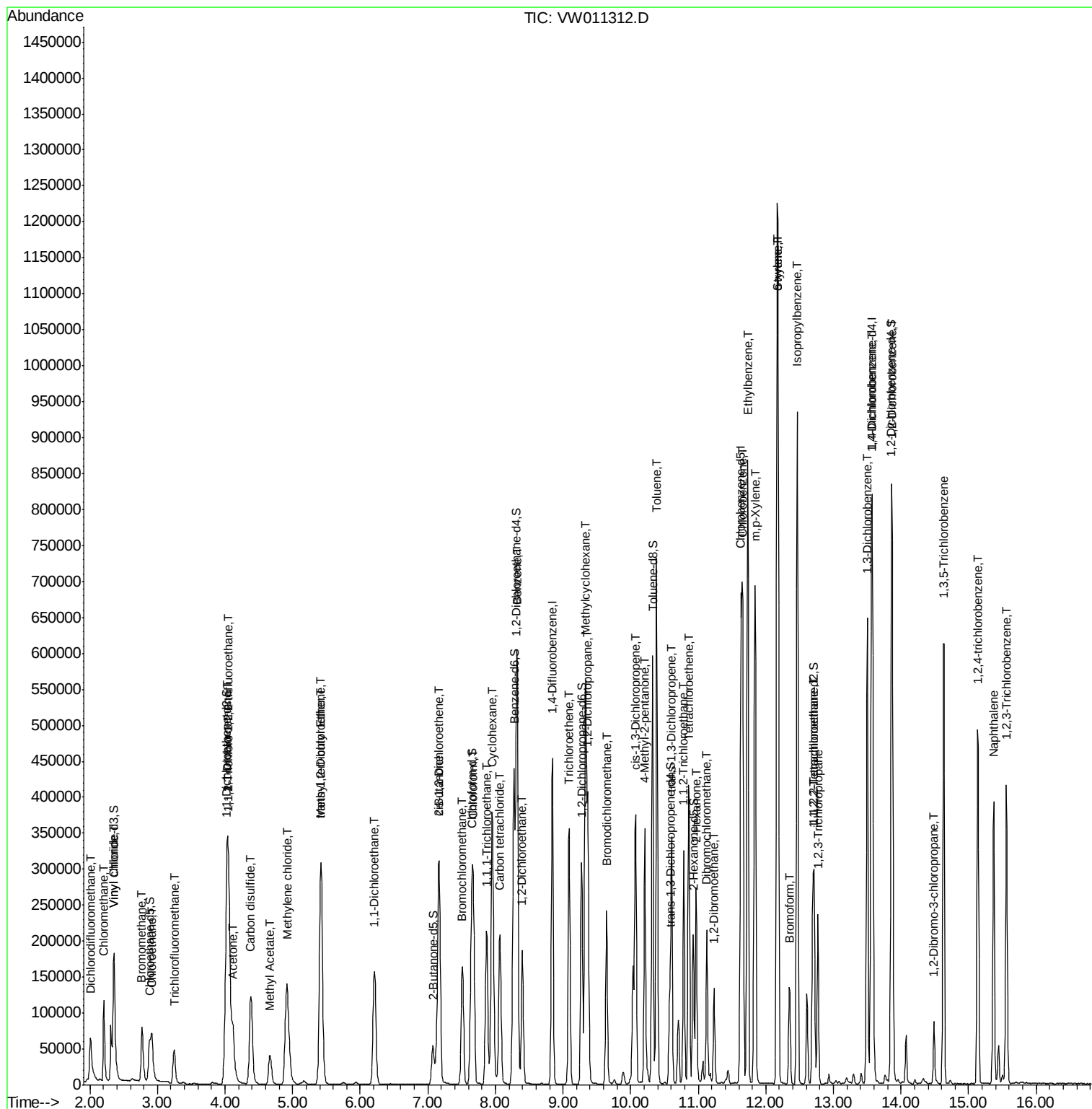
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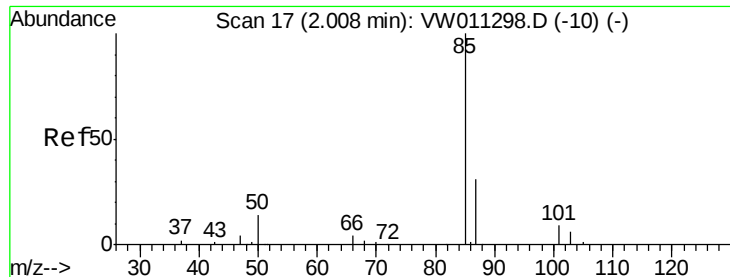
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#2

Dichlorodifluoromethane

Concen: 22.162 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

Instrument :

MSVOA_W

ClientSampleId :

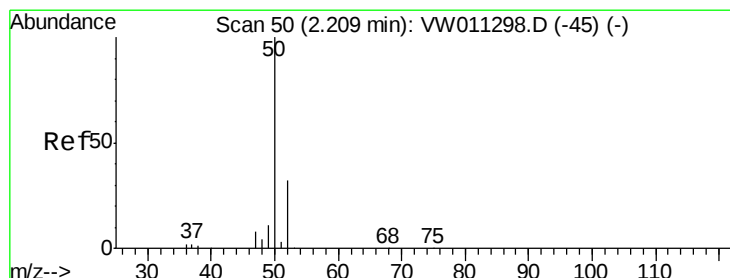
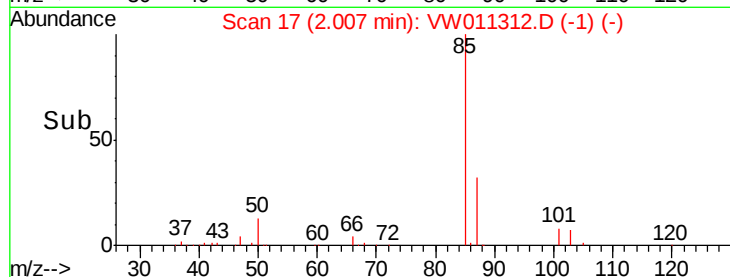
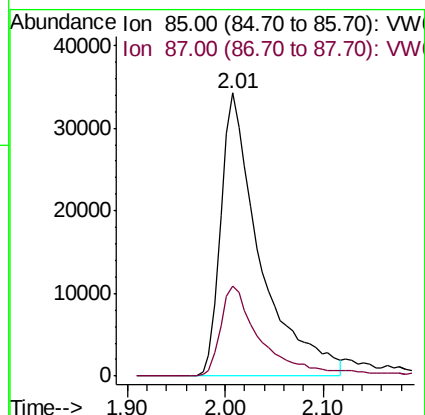
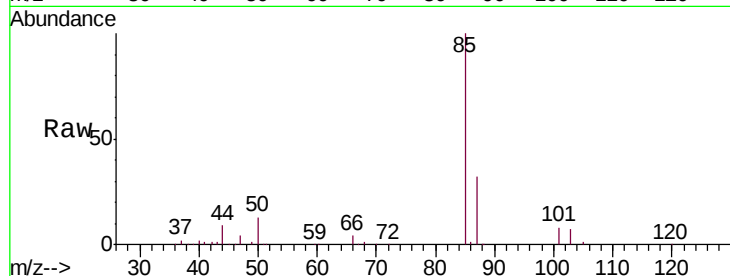
VSTD02511

Tgt Ion: 85 Resp: 95571

Ion Ratio Lower Upper

85 100

87 31.5 20.6 38.4



#3

Chloromethane

Concen: 20.482 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011312.D

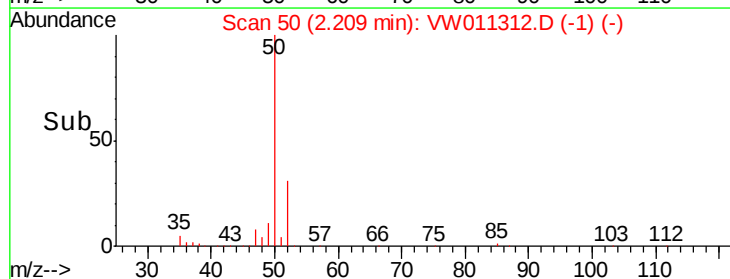
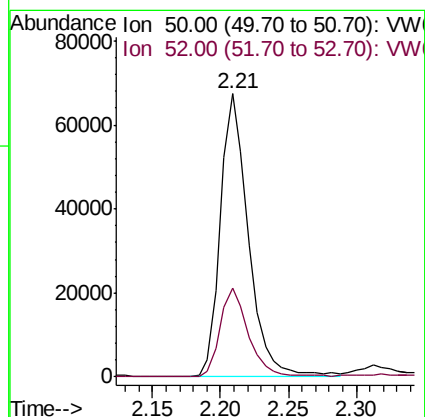
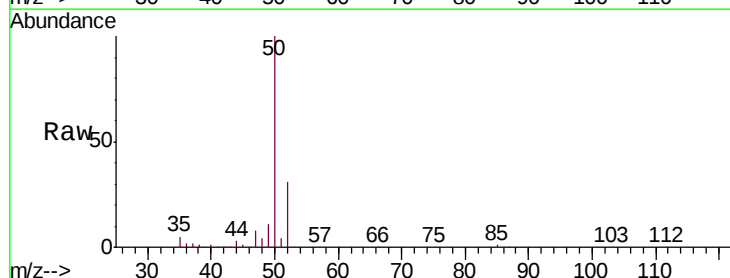
Acq: 17 Jul 2019 16:43

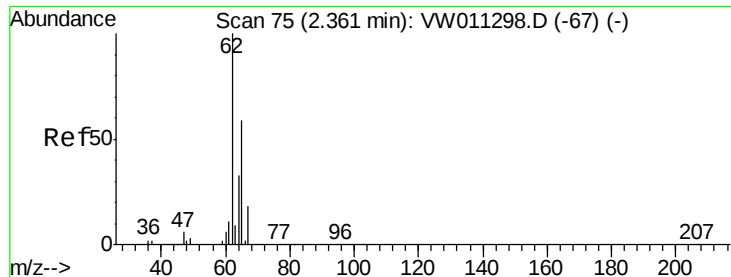
Tgt Ion: 50 Resp: 95893

Ion Ratio Lower Upper

50 100

52 31.3 22.3 41.5





#5

Vinyl chloride

Concen: 21.747 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

Instrument :

MSVOA_W

ClientSampleId :

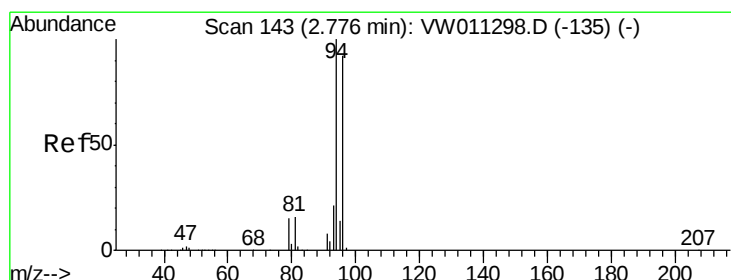
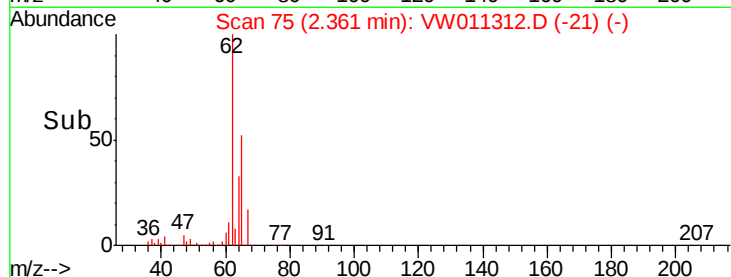
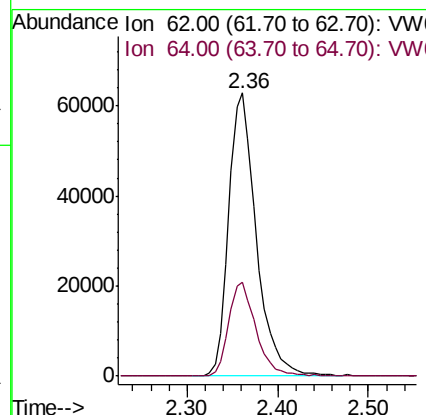
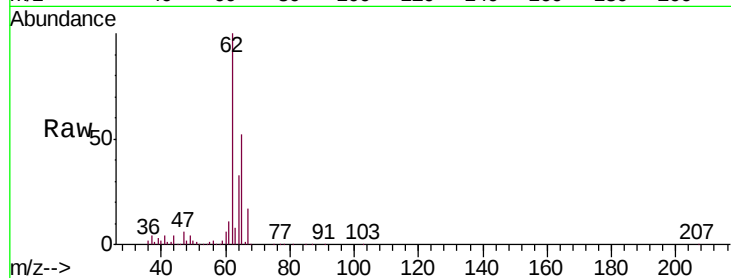
VSTD02511

Tgt Ion: 62 Resp: 132887

Ion Ratio Lower Upper

62 100

64 33.4 23.9 44.3



#6

Bromomethane

Concen: 21.742 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011312.D

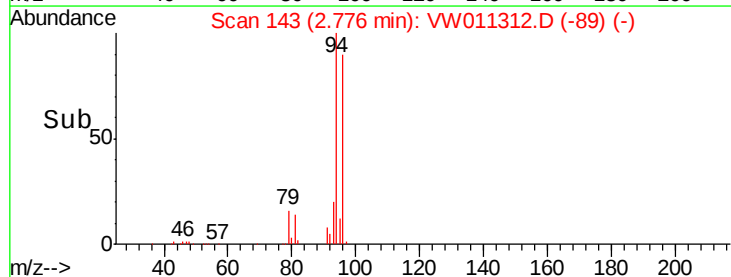
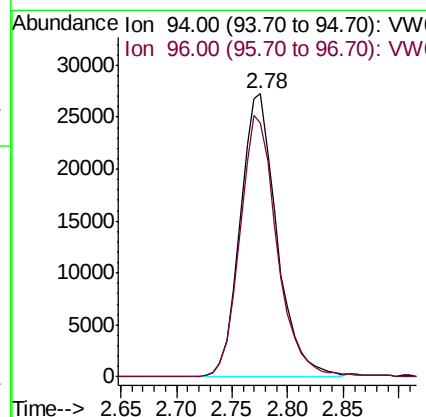
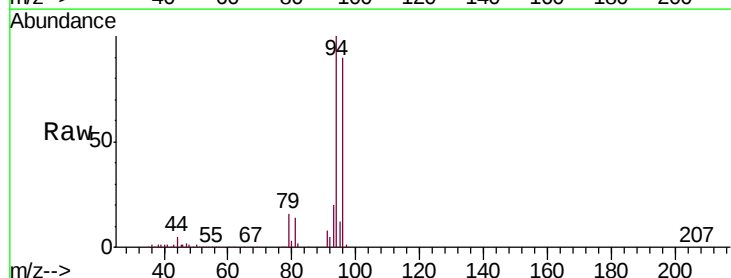
Acq: 17 Jul 2019 16:43

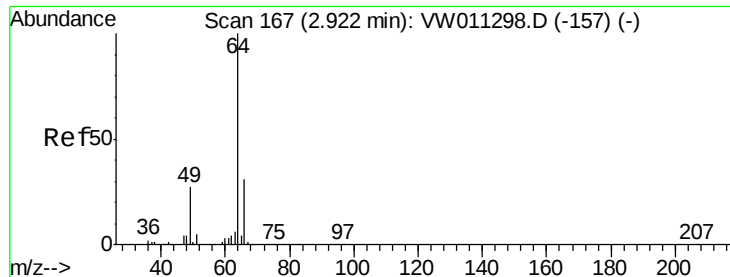
Tgt Ion: 94 Resp: 62157

Ion Ratio Lower Upper

94 100

96 93.4 9.3 177.3





#8

Chloroethane

Concen: 22.763 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

Instrument :

MSVOA_W

ClientSampleId :

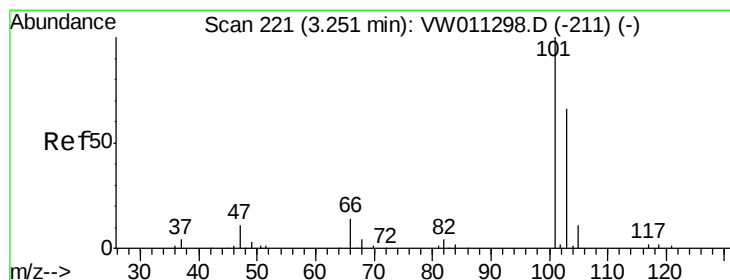
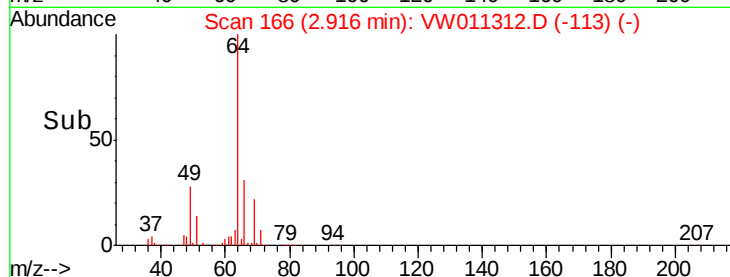
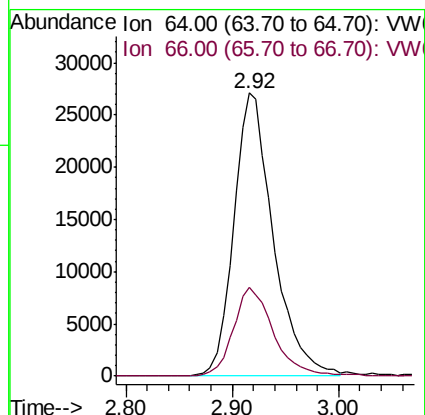
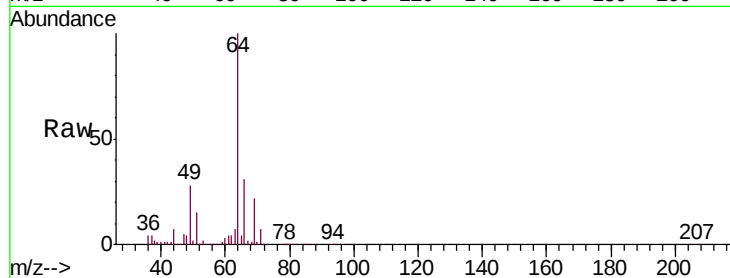
VSTD02511

Tgt Ion: 64 Resp: 70306

Ion Ratio Lower Upper

64 100

66 31.2 21.9 40.7



#9

Trichlorofluoromethane

Concen: 23.766 ug/L

RT: 3.25 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW011312.D

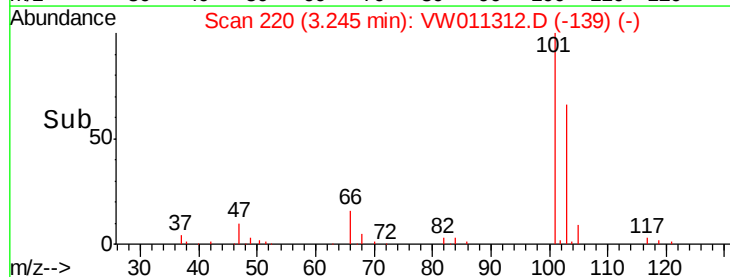
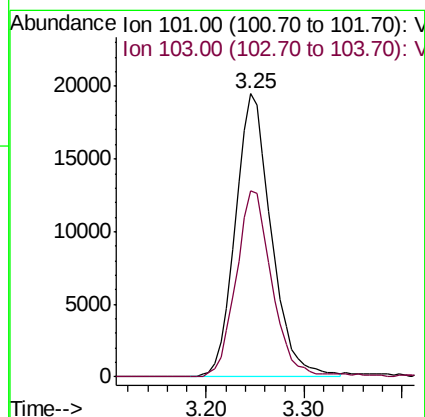
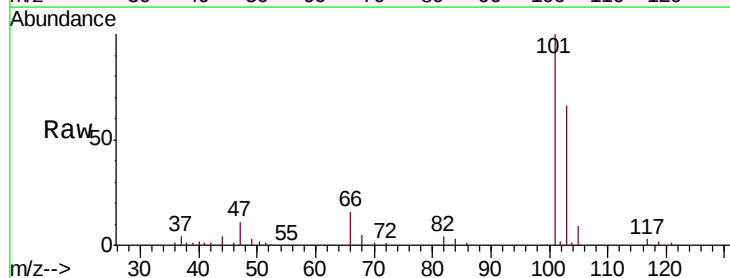
Acq: 17 Jul 2019 16:43

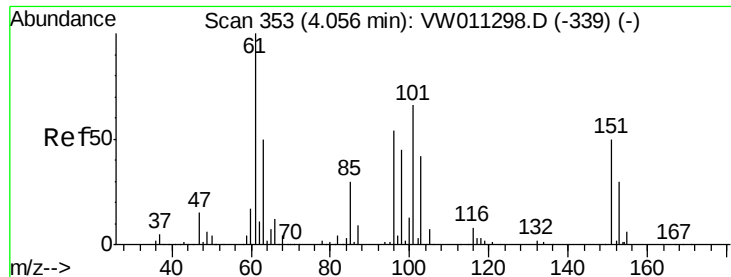
Tgt Ion: 101 Resp: 49724

Ion Ratio Lower Upper

101 100

103 64.9 44.6 82.8





#11

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

Concen: 25.156 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

Instrument :

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ClientSampleId :

VSTD02511

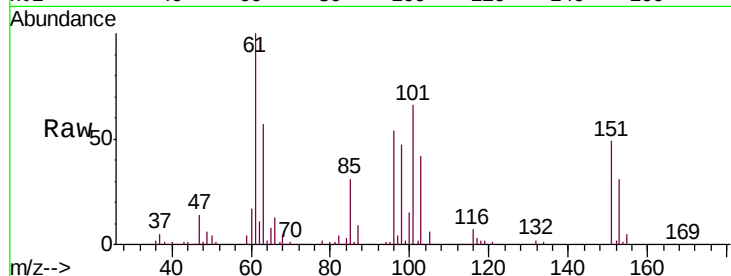
Tgt Ion: 101 Resp: 117272

Ion Ratio Lower Upper

101 100

85 44.3 33.8 50.8

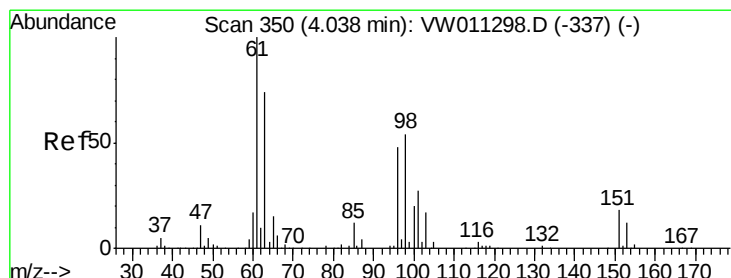
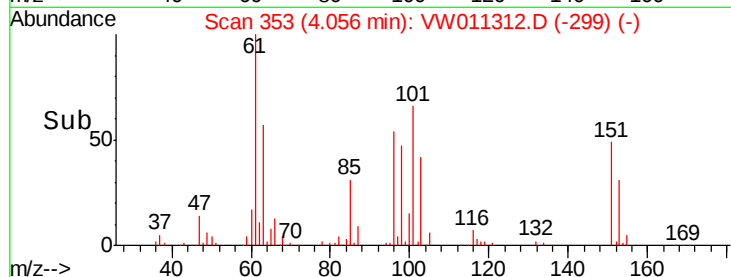
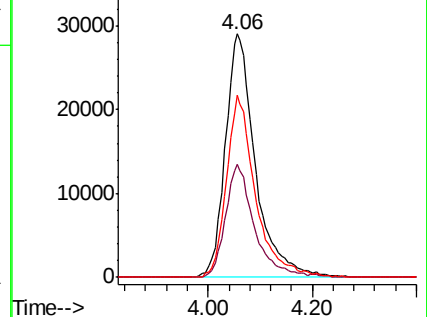
151 70.5 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.823 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

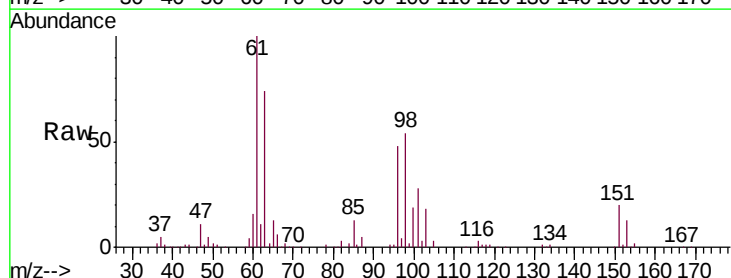
Tgt Ion: 96 Resp: 109768

Ion Ratio Lower Upper

96 100

61 206.8 142.2 264.0

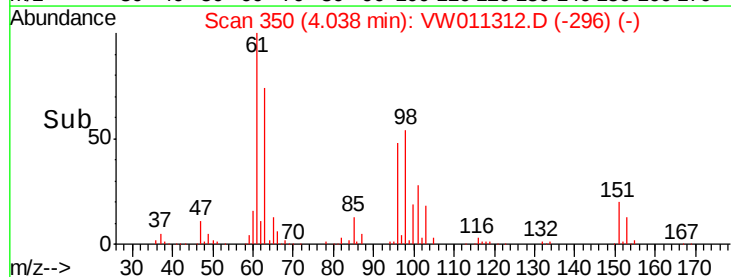
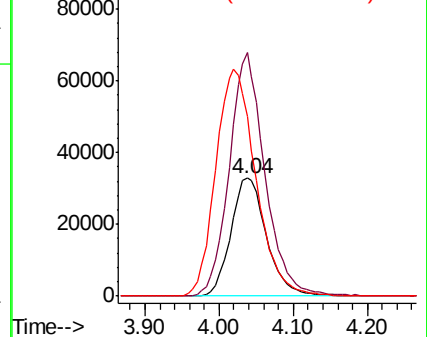
63 152.8 138.9 257.9

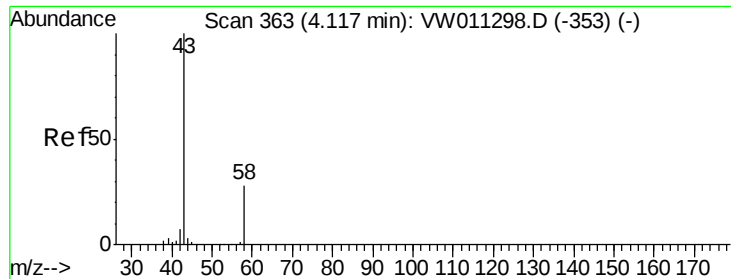


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.139 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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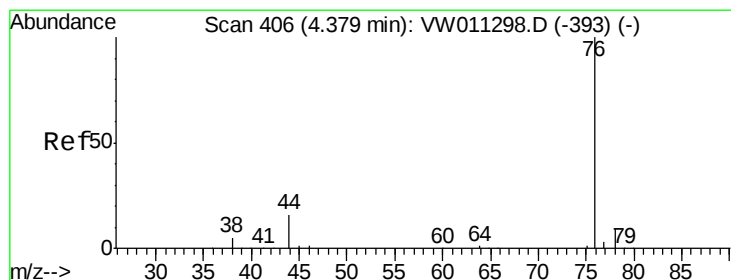
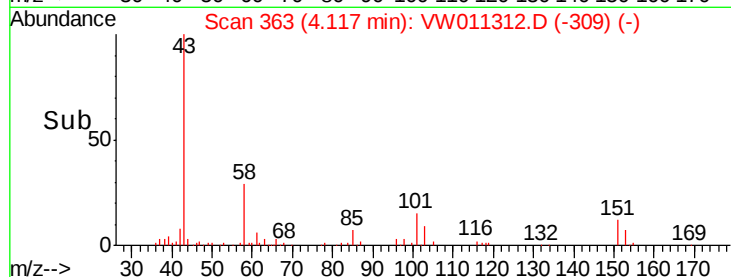
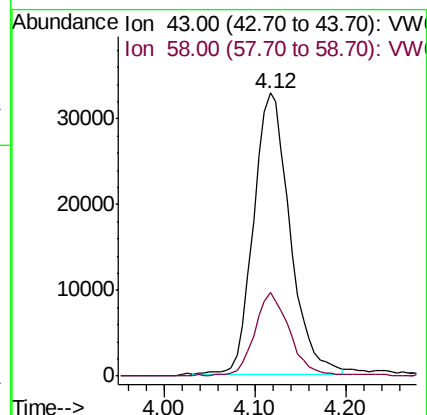
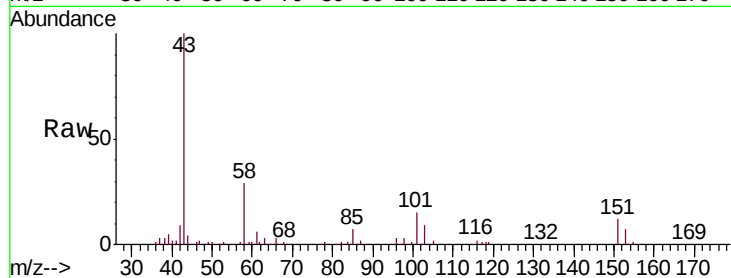
VSTD02511

Tgt Ion: 43 Resp: 90924

Ion Ratio Lower Upper

43 100

58 28.3 0.0 55.0



#14

Carbon disulfide

Concen: 21.573 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW011312.D

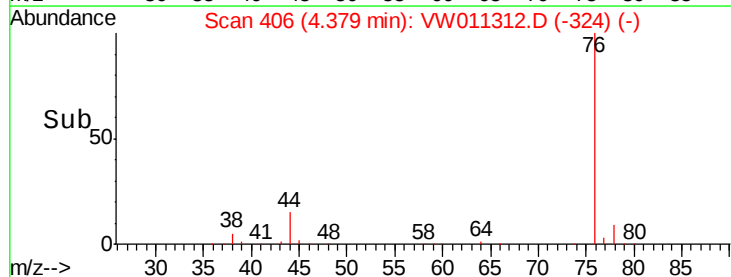
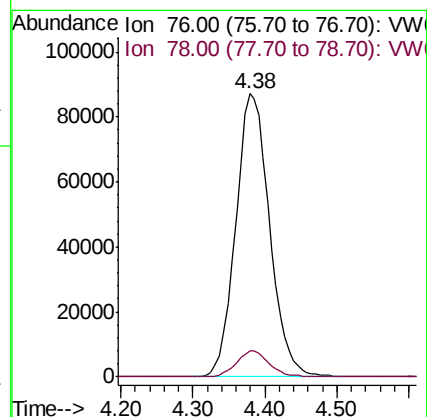
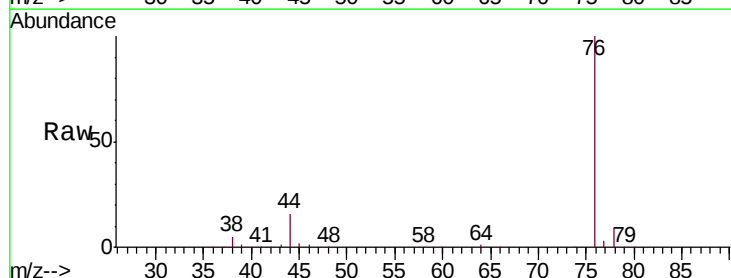
Acq: 17 Jul 2019 16:43

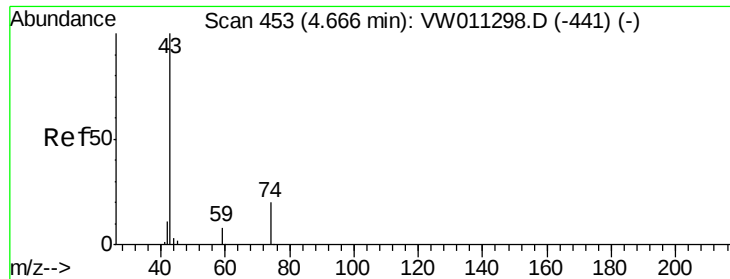
Tgt Ion: 76 Resp: 284338

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

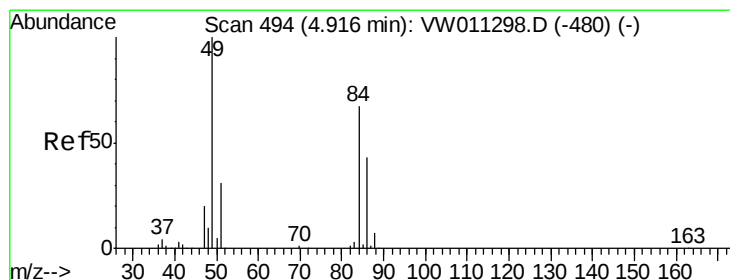
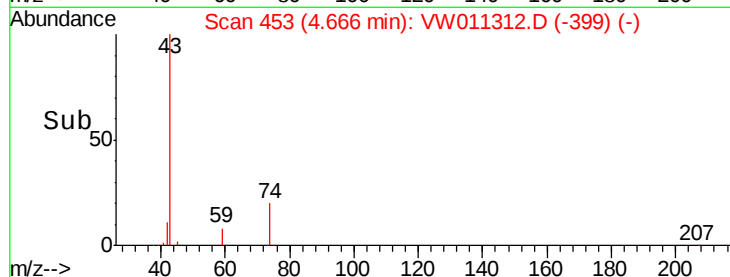
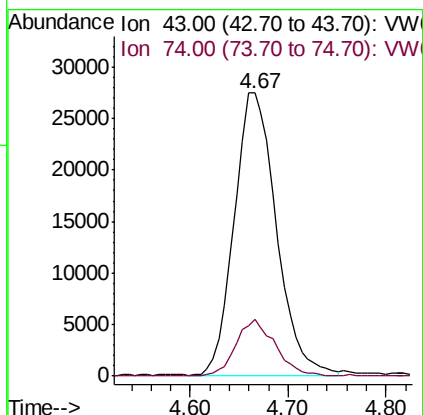
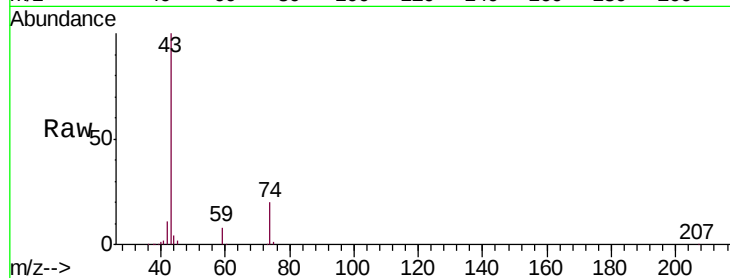




#15
Methyl Acetate
Concen: 24.384 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011312.D
Acq: 17 Jul 2019 16:43

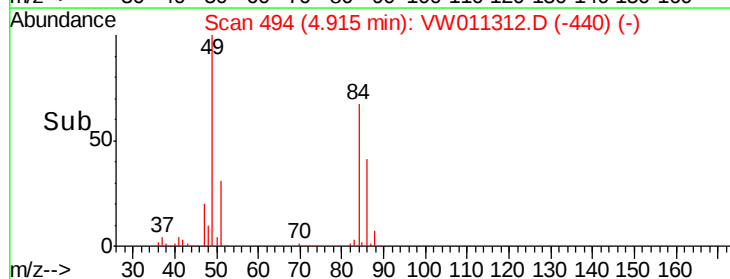
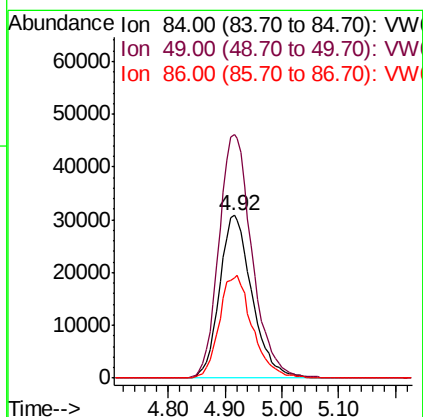
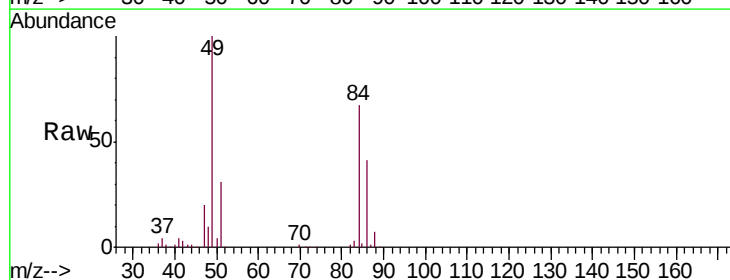
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

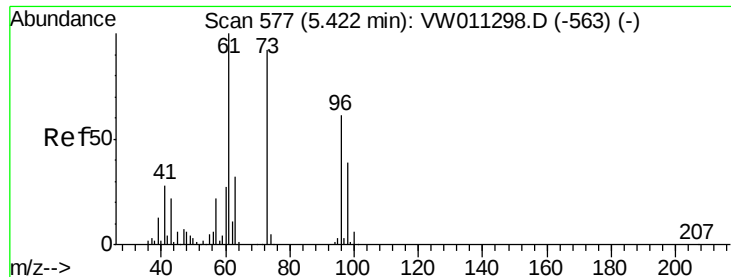
Tgt Ion: 43 Resp: 81732
Ion Ratio Lower Upper
43 100
74 18.8 15.1 22.7



#16
Methylene chloride
Concen: 23.728 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011312.D
Acq: 17 Jul 2019 16:43

Tgt Ion: 84 Resp: 122256
Ion Ratio Lower Upper
84 100
49 149.7 102.5 190.3
86 62.0 46.4 86.2

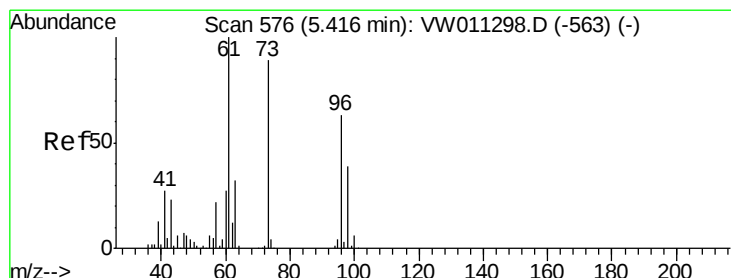
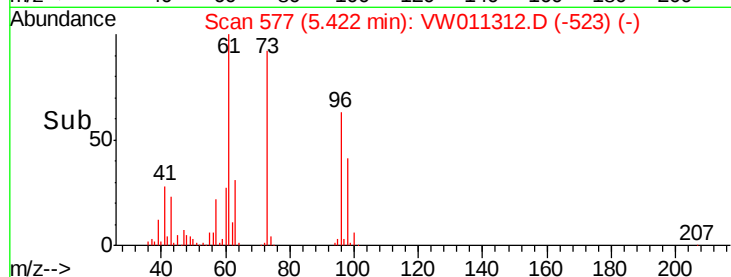
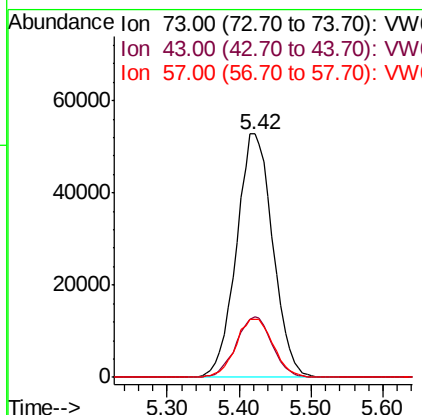
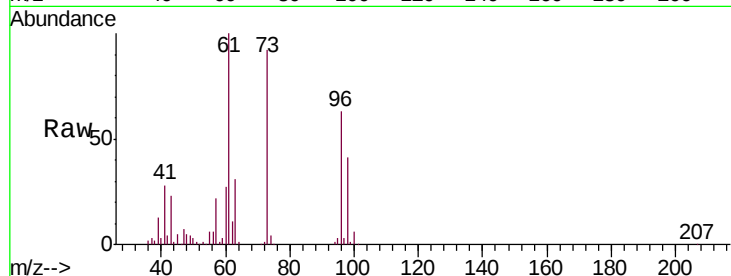




#17
Methyl tert-butyl Ether
Concen: 25.872 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011312.D
Acq: 17 Jul 2019 16:43

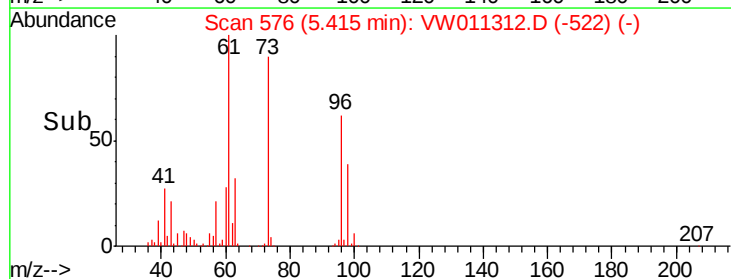
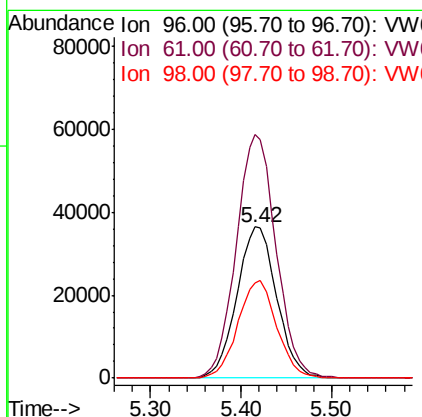
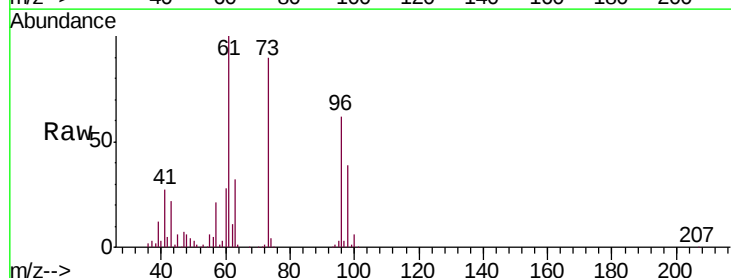
Instrument :
MSVOA_W
ClientSampled :
VSTD02511

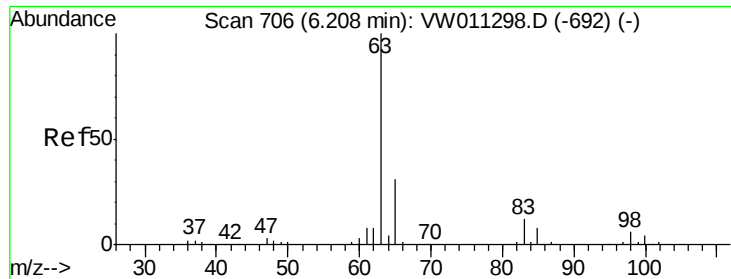
Tgt Ion: 73 Resp: 184872
Ion Ratio Lower Upper
73 100
43 25.0 20.2 30.2
57 24.5 19.6 29.4



#18
trans-1,2-Dichloroethene
Concen: 23.801 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW011312.D
Acq: 17 Jul 2019 16:43

Tgt Ion: 96 Resp: 110820
Ion Ratio Lower Upper
96 100
61 160.8 113.7 211.1
98 62.8 43.3 80.3

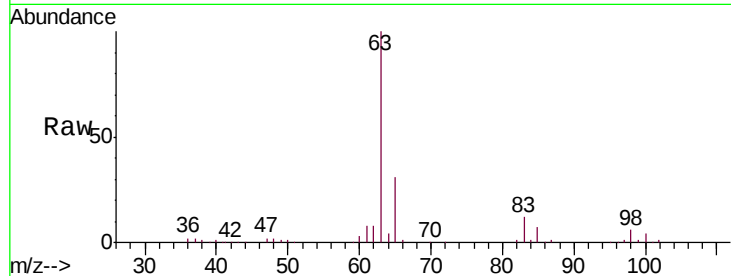




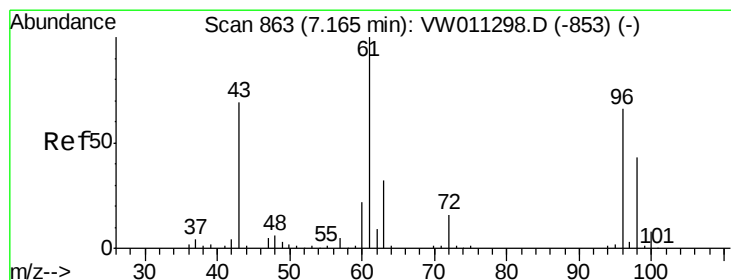
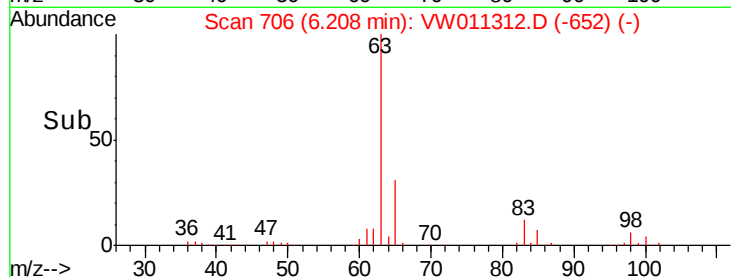
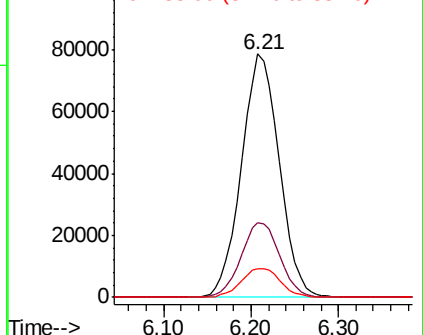
#19
 1,1-Dichloroethane
 Concen: 24.994 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW011312.D
 Acq: 17 Jul 2019 16:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tgt Ion: 63 Resp: 236252
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.1 41.1
 83 12.0 9.0 16.6

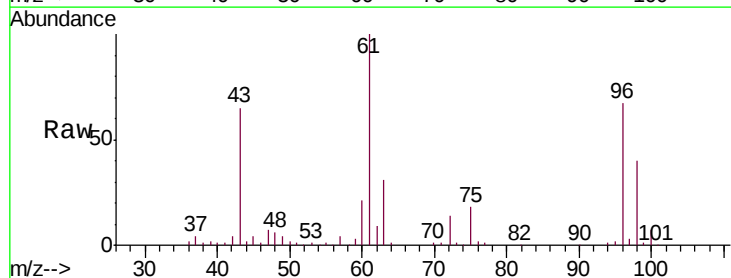


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

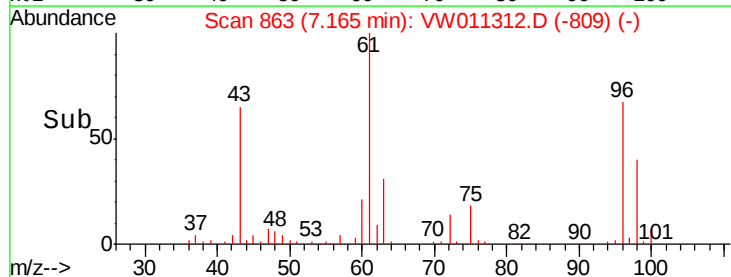
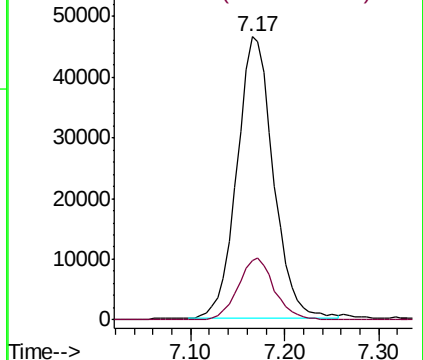


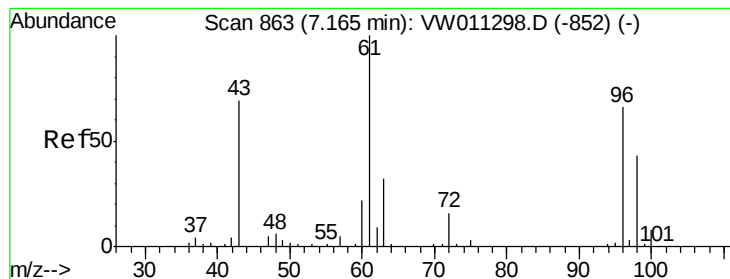
#21
 2-Butanone
 Concen: 47.149 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011312.D
 Acq: 17 Jul 2019 16:43

Tgt Ion: 43 Resp: 125379
 Ion Ratio Lower Upper
 43 100
 72 21.9 11.2 33.6



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: 24.779 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

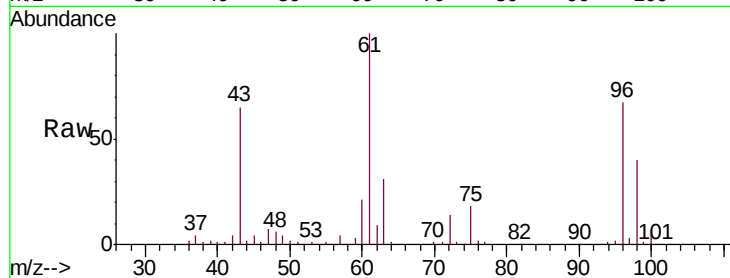
Tgt Ion: 96 Resp: 124883

Ion Ratio Lower Upper

96 100

61 148.7 103.2 191.6

98 60.0 44.8 83.2

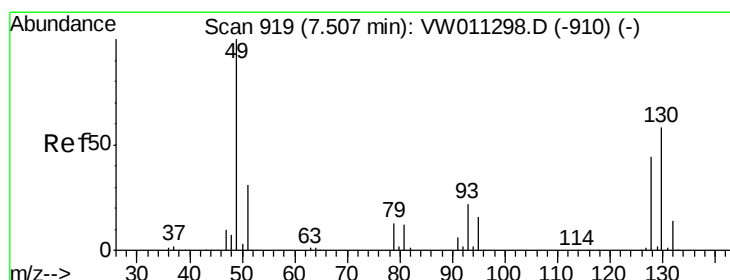
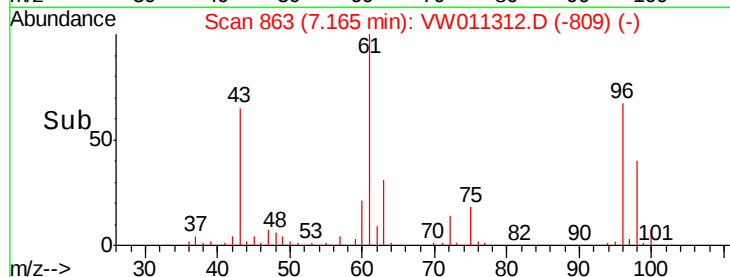
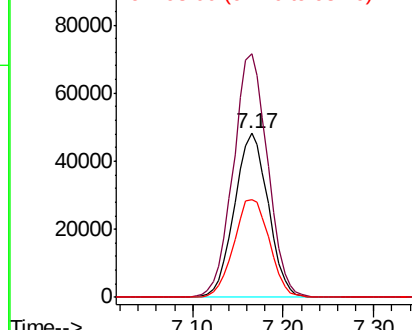


Abundance

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: 24.934 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

Tgt Ion: 128 Resp: 52729

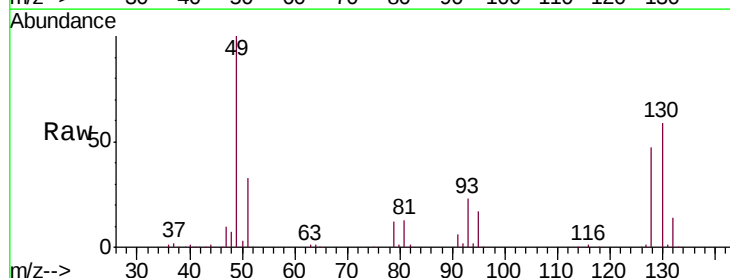
Ion Ratio Lower Upper

128 100

49 213.1 153.8 285.6

130 125.8 86.4 160.4

51 69.7 56.2 84.4



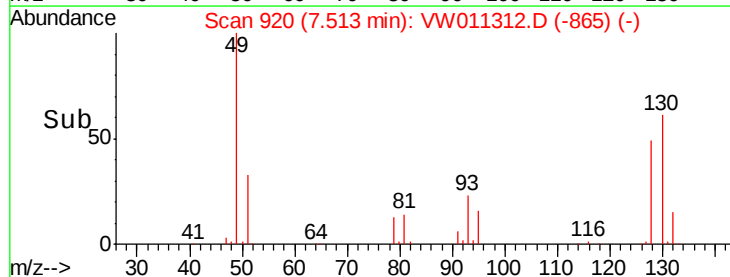
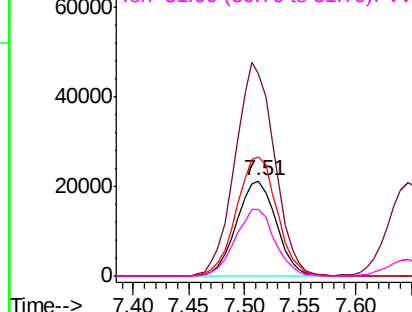
Abundance

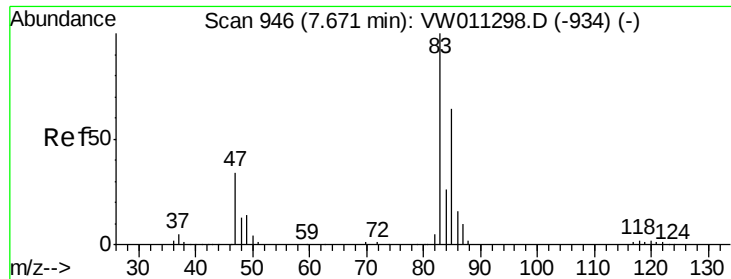
Ion 128.00 (127.70 to 128.70): V

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: 24.961 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

Instrument :

MSVOA_W

ClientSampleId :

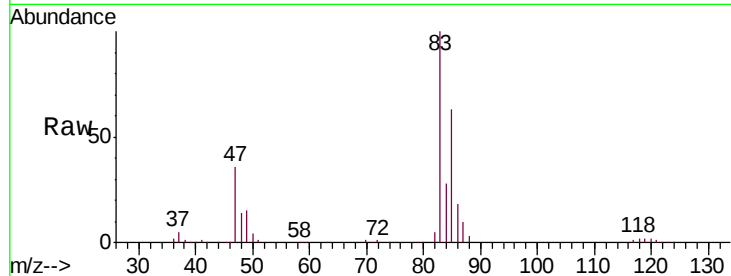
VSTD02511

Tgt Ion: 83 Resp: 223488

Ion Ratio Lower Upper

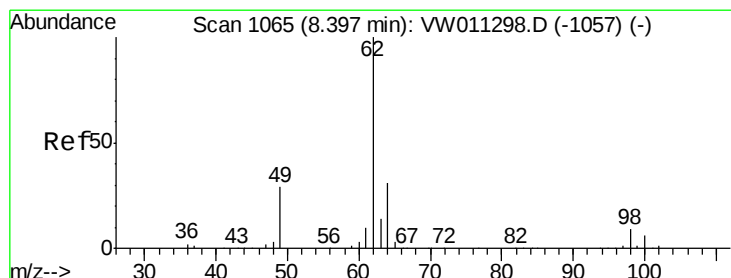
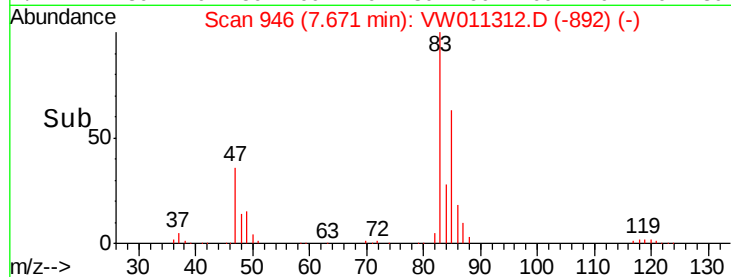
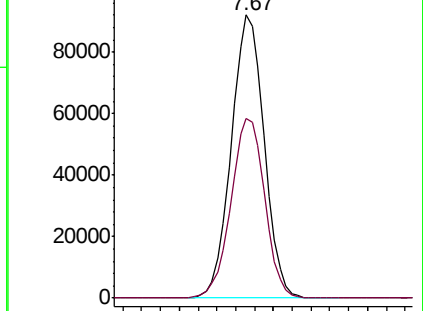
83 100

85 65.2 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 24.253 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011312.D

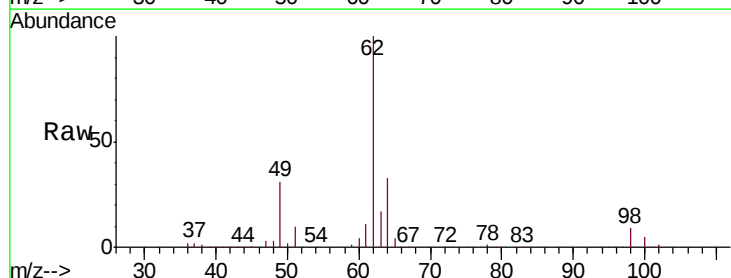
Acq: 17 Jul 2019 16:43

Tgt Ion: 62 Resp: 165992

Ion Ratio Lower Upper

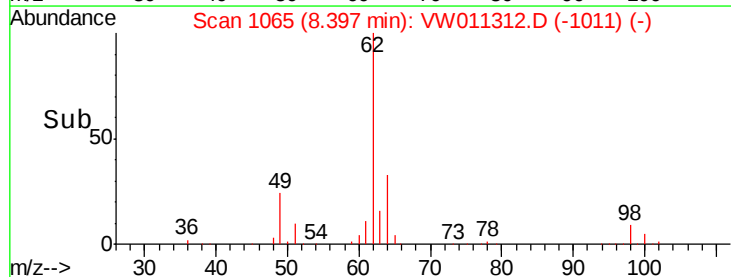
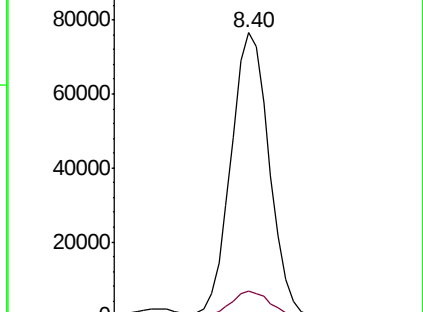
62 100

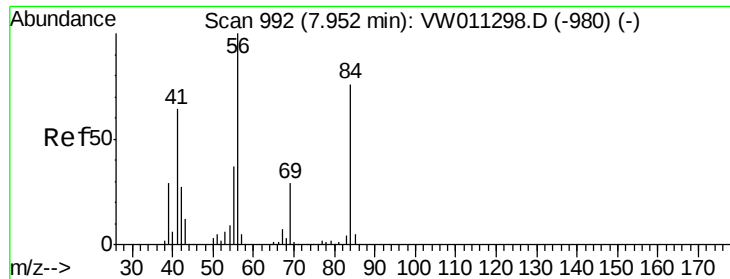
98 8.8 6.6 10.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

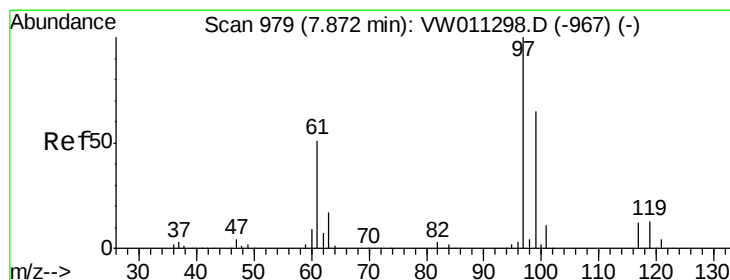
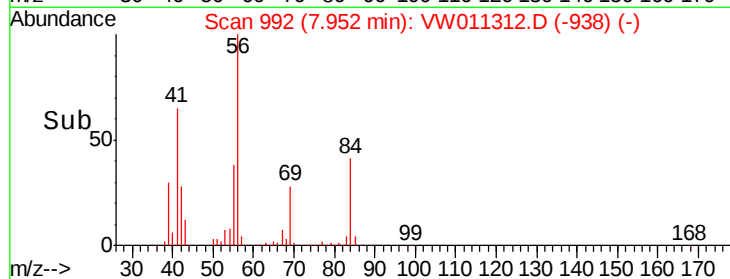
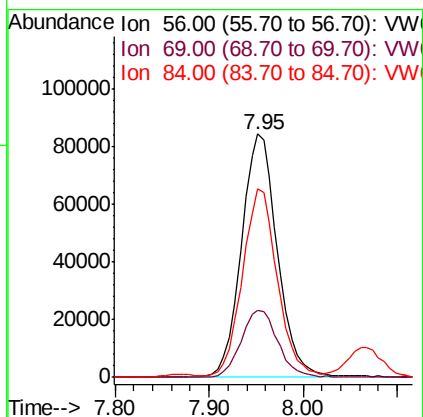
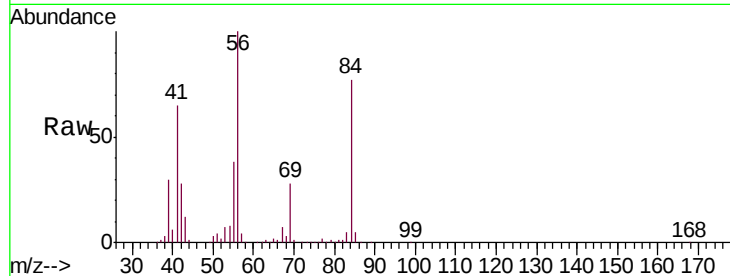




#30
Cyclohexane
Concen: 23.445 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011312.D
Acq: 17 Jul 2019 16:43

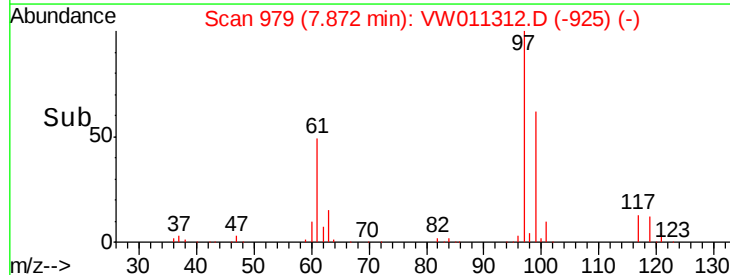
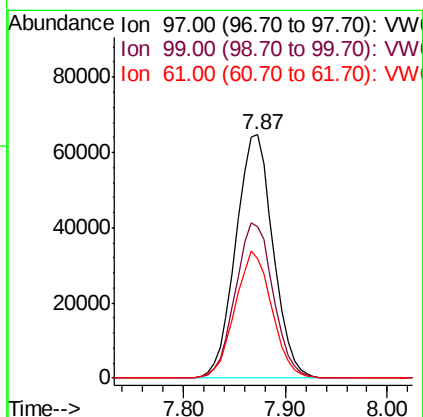
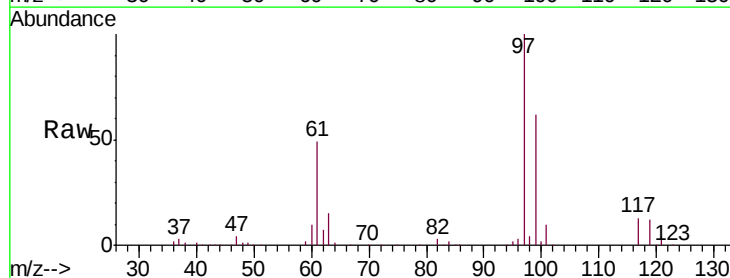
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

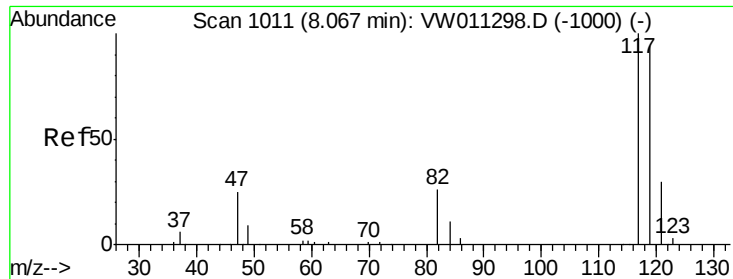
Tgt Ion: 56 Resp: 225027
Ion Ratio Lower Upper
56 100
69 28.1 22.5 33.7
84 75.7 60.9 91.3



#31
1,1,1-Trichloroethane
Concen: 25.184 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011312.D
Acq: 17 Jul 2019 16:43

Tgt Ion: 97 Resp: 165003
Ion Ratio Lower Upper
97 100
99 64.7 50.6 75.8
61 51.1 40.9 61.3





#32

Carbon tetrachloride

Concen: 25.033 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

Instrument :

MSVOA_W

ClientSampleId :

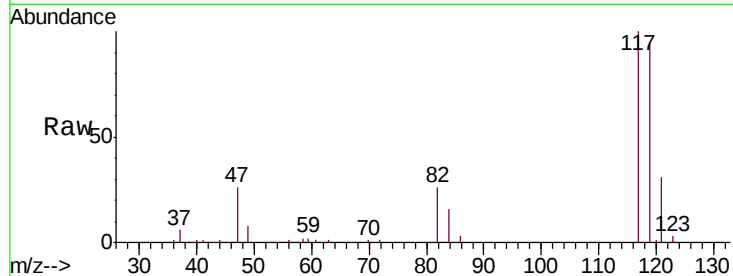
VSTD02511

Tgt Ion:117 Resp: 153818

Ion Ratio Lower Upper

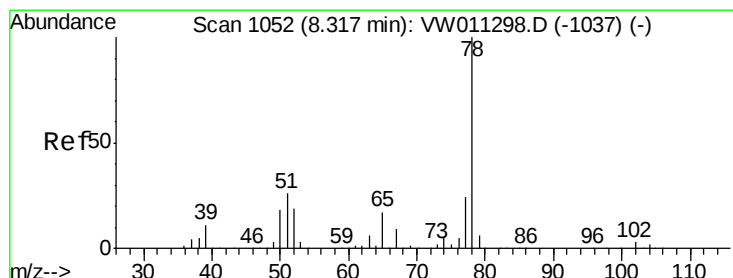
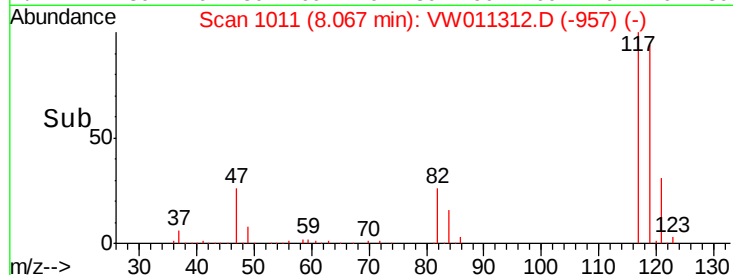
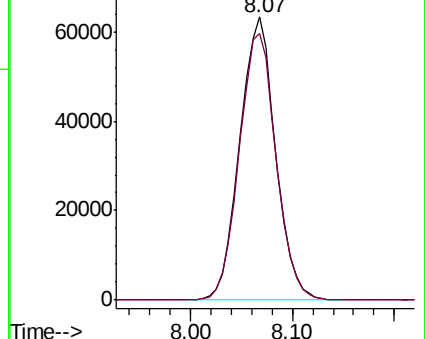
117 100

119 97.0 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.850 ug/L

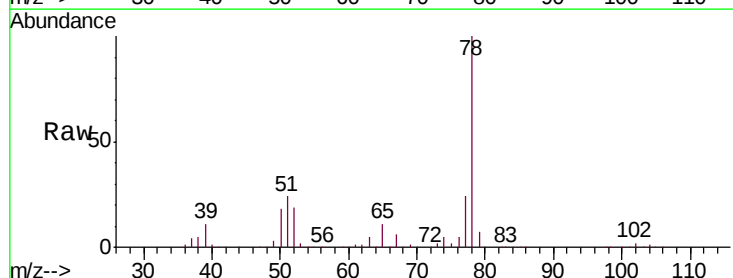
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

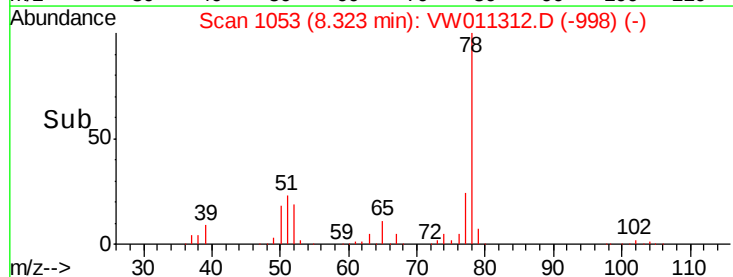
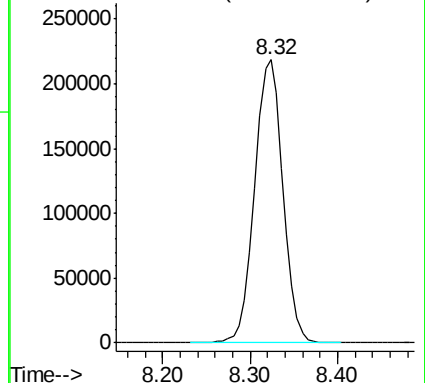
Lab File: VW011312.D

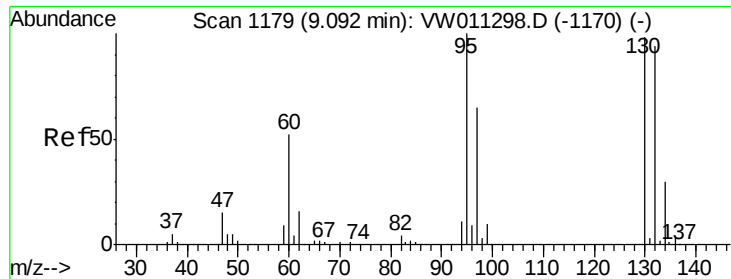
Acq: 17 Jul 2019 16:43

Tgt Ion: 78 Resp: 490281



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.649 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

Tgt Ion: 95 Resp: 122725

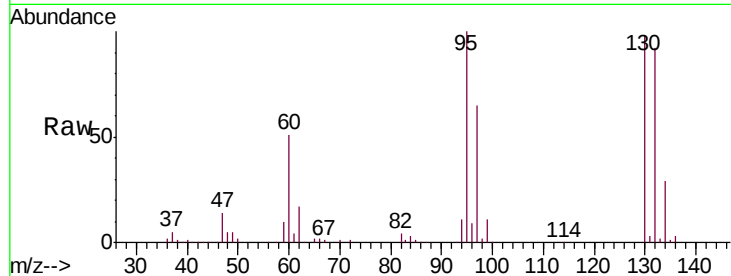
Ion Ratio Lower Upper

95 100

97 63.9 45.4 84.2

132 91.7 65.0 120.8

130 95.8 67.8 126.0



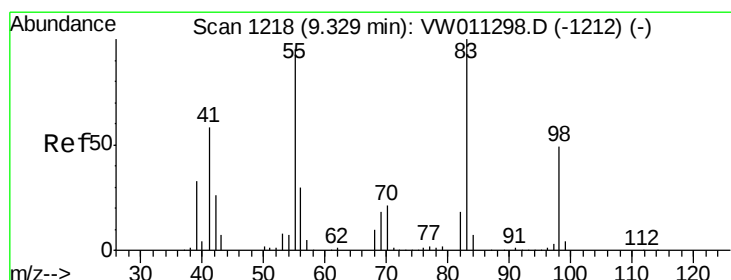
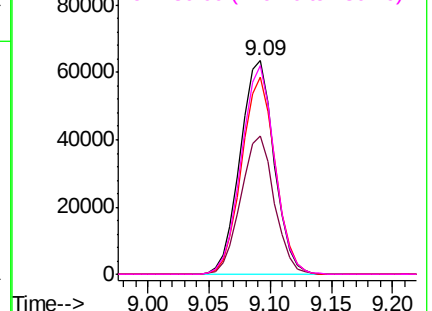
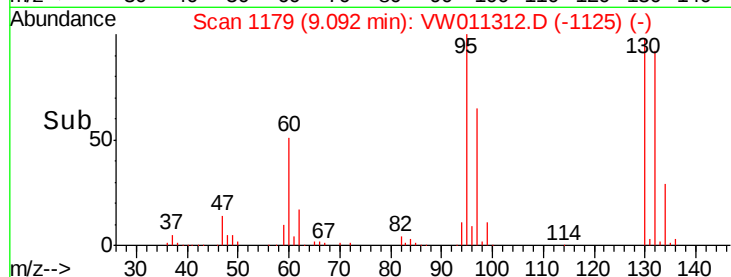
Abundance

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: 23.517 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

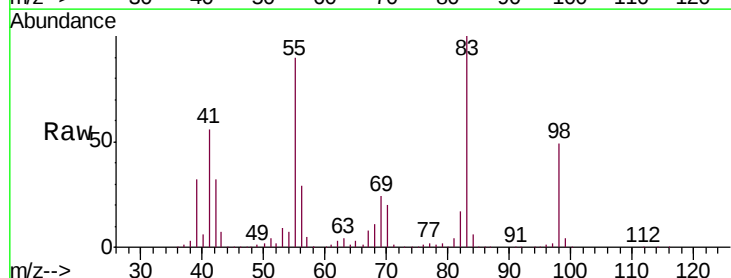
Tgt Ion: 83 Resp: 210703

Ion Ratio Lower Upper

83 100

55 90.4 72.2 108.4

98 47.4 38.2 57.4

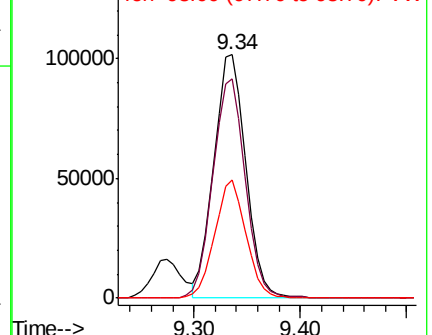
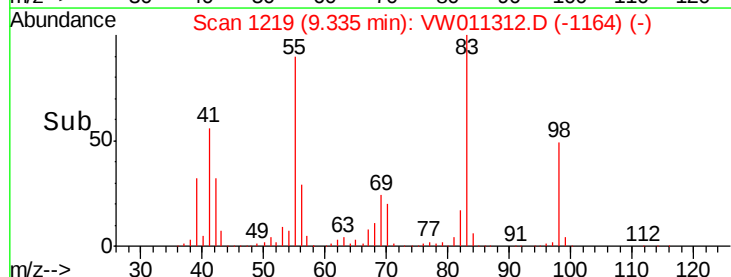


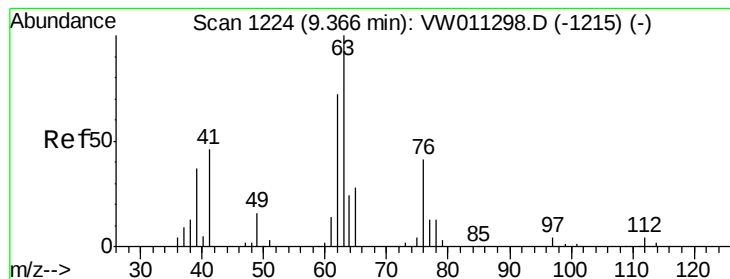
Abundance

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: 25.717 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

Instrument :

MSVOA_W

ClientSampleId :

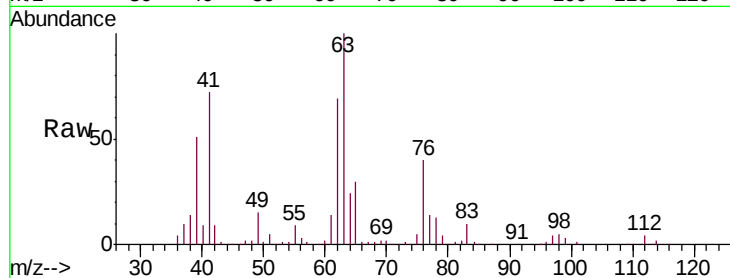
VSTD02511

Tgt Ion: 63 Resp: 139036

Ion Ratio Lower Upper

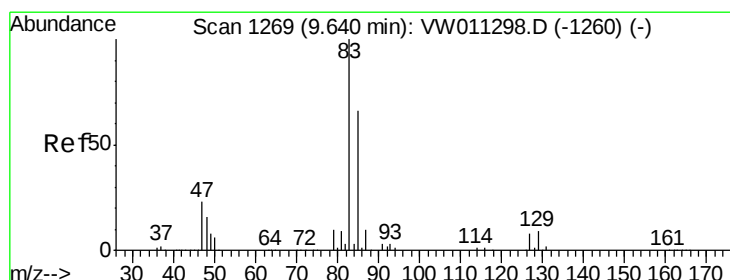
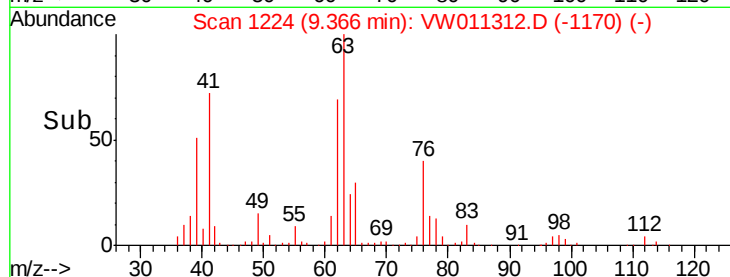
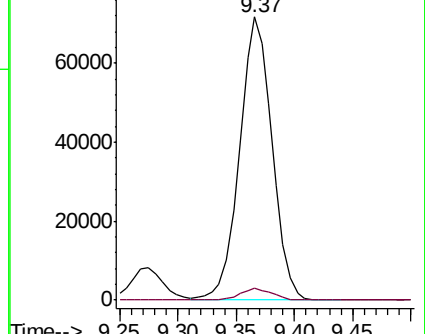
63 100

112 4.0 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.939 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

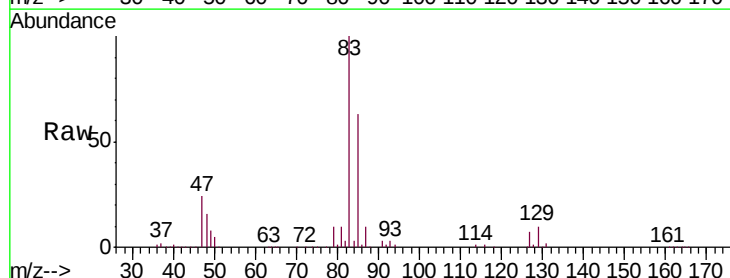
Tgt Ion: 83 Resp: 161678

Ion Ratio Lower Upper

83 100

85 62.9 45.5 84.5

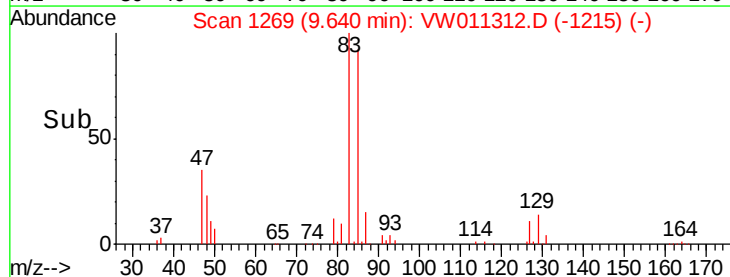
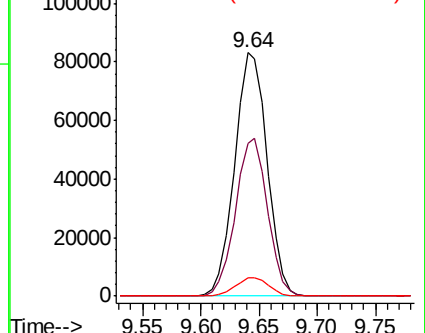
127 7.3 5.8 8.8

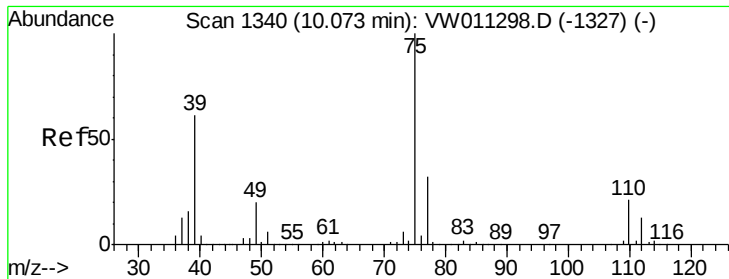


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

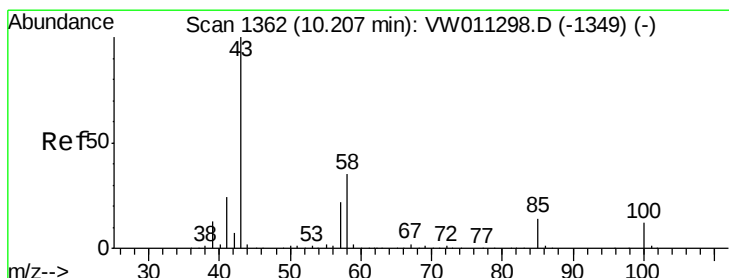
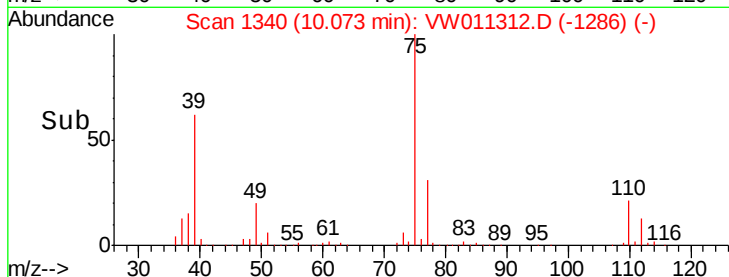
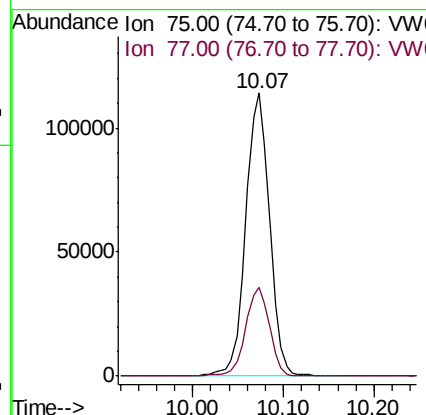
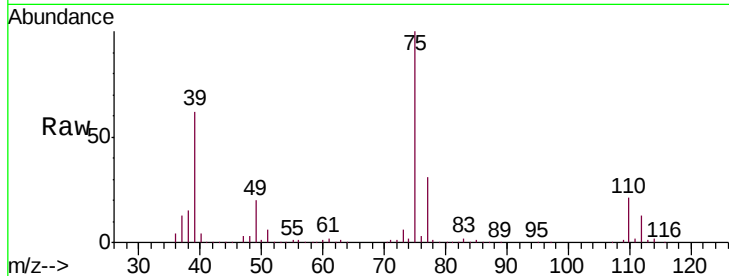




#42
 cis-1,3-Dichloropropene
 Concen: 26.059 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011312.D
 Acq: 17 Jul 2019 16:43

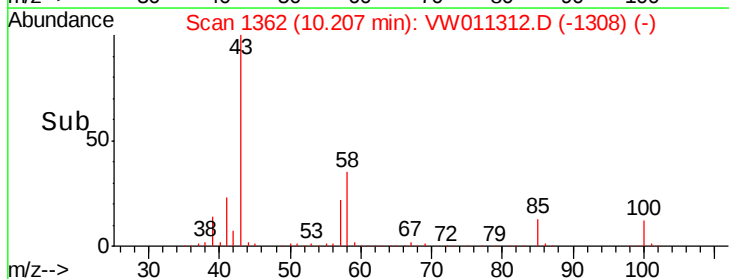
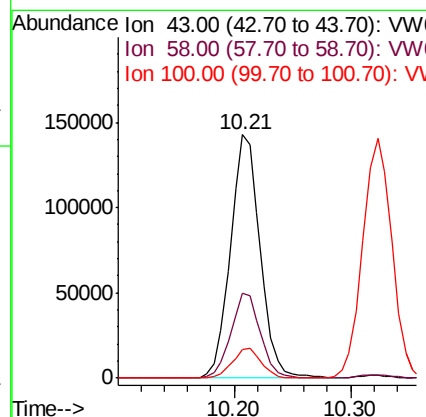
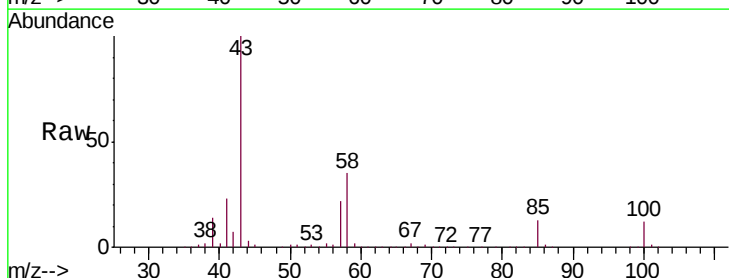
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02511

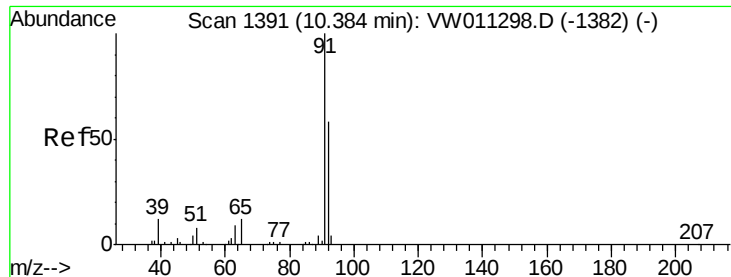
Tgt Ion: 75 Resp: 207871
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.1 39.1



#43
 4-Methyl-2-pentanone
 Concen: 50.151 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011312.D
 Acq: 17 Jul 2019 16:43

Tgt Ion: 43 Resp: 251341
 Ion Ratio Lower Upper
 43 100
 58 34.8 28.1 42.1
 100 11.9 9.3 13.9





#44

Toluene

Concen: 25.258 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

Instrument :

MSVOA_W

ClientSampleId :

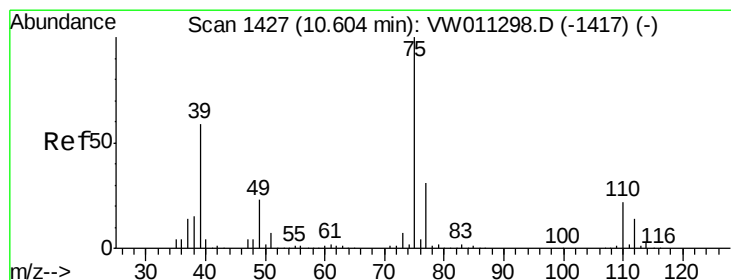
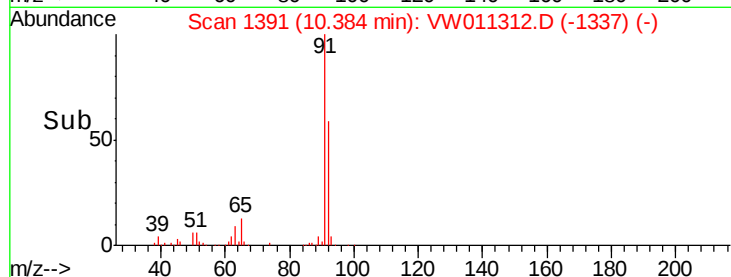
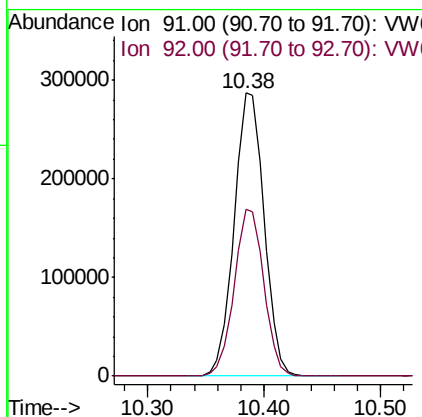
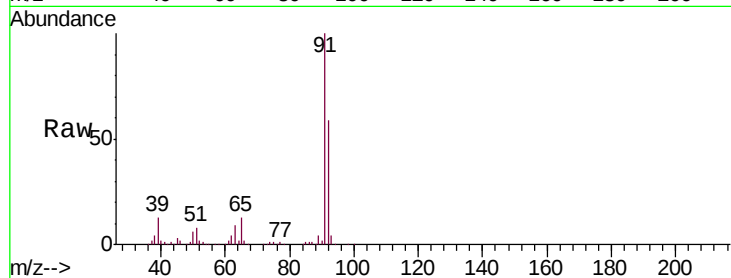
VSTD02511

Tgt Ion: 91 Resp: 515812

Ion Ratio Lower Upper

91 100

92 59.0 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 25.828 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011312.D

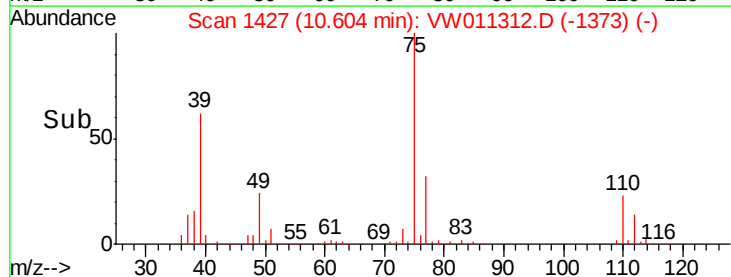
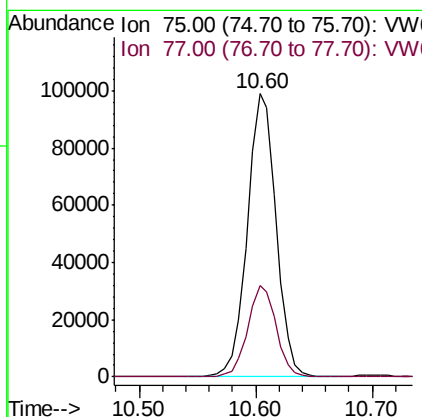
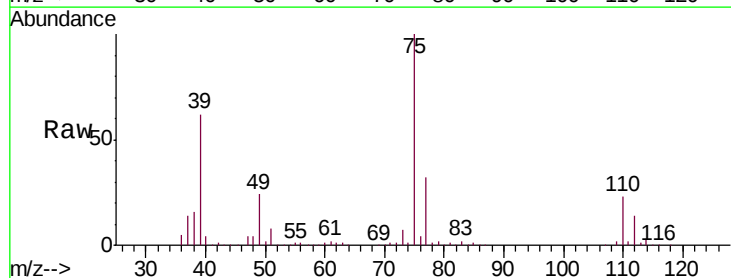
Acq: 17 Jul 2019 16:43

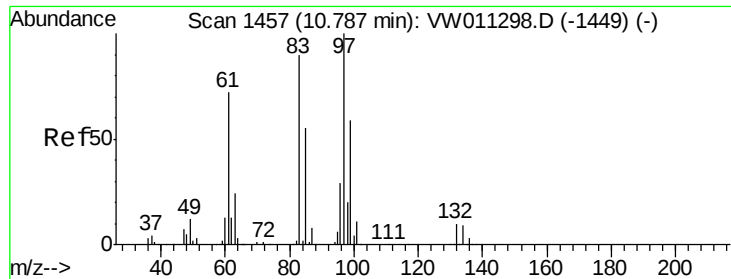
Tgt Ion: 75 Resp: 170474

Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.5

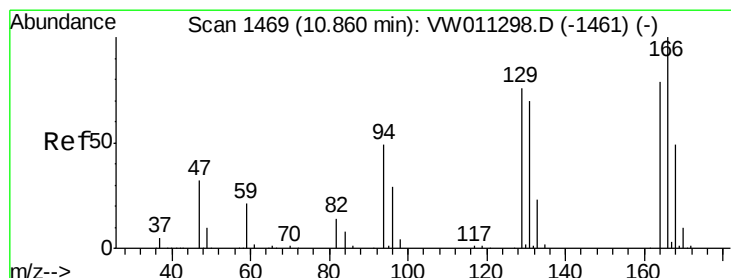
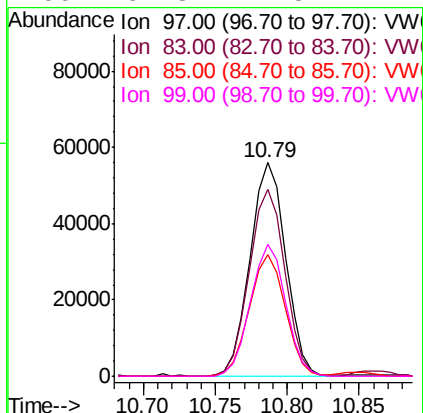
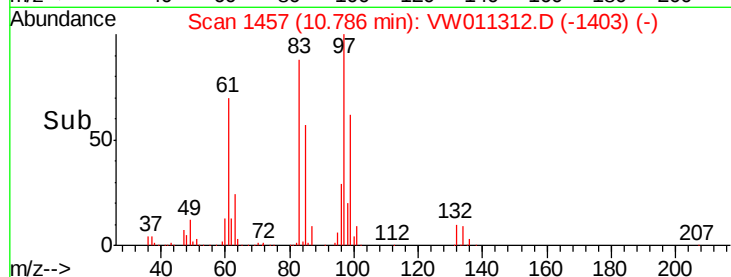
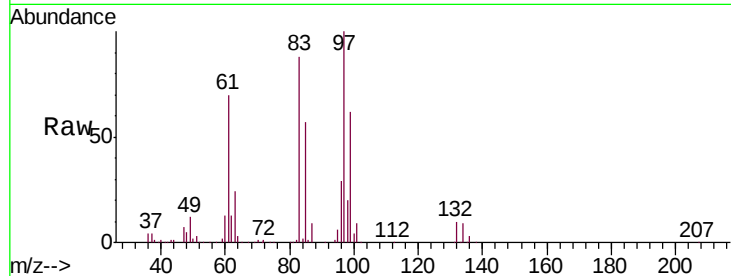




#46
 1,1,2-Trichloroethane
 Concen: 25.657 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011312.D
 Acq: 17 Jul 2019 16:43

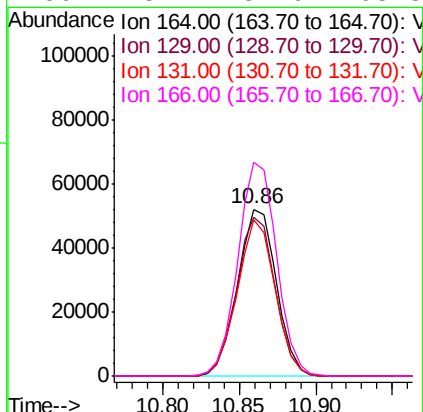
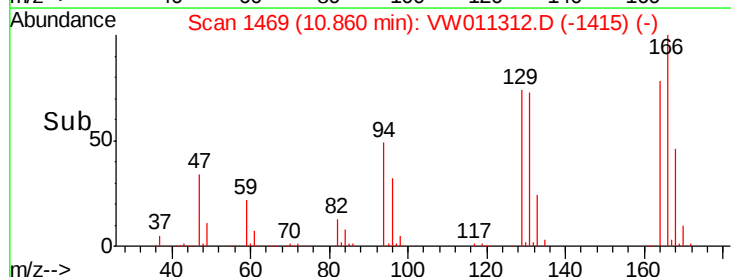
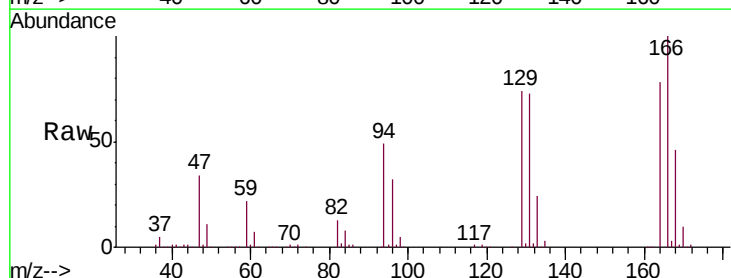
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

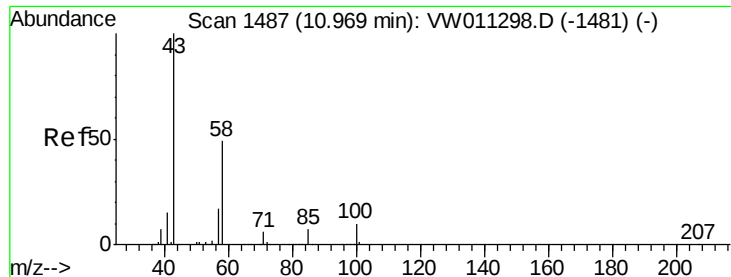
Tgt Ion:	97	Resp:	96058
Ion	Ratio	Lower	Upper
97	100		
83	87.6	63.1	117.3
85	56.9	39.0	72.4
99	61.8	41.5	77.1



#47
 Tetrachloroethene
 Concen: 24.339 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW011312.D
 Acq: 17 Jul 2019 16:43

Tgt Ion:	164	Resp:	91583
Ion	Ratio	Lower	Upper
164	100		
129	95.1	68.5	127.1
131	93.7	64.8	120.4
166	128.2	87.9	163.3

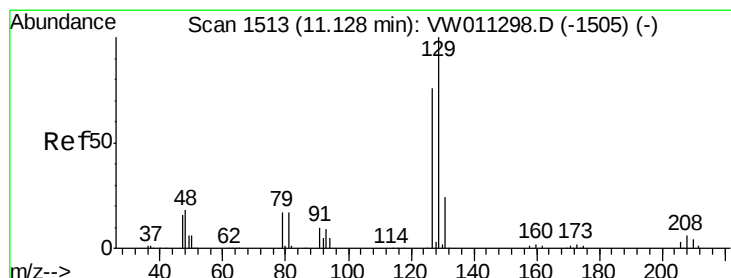
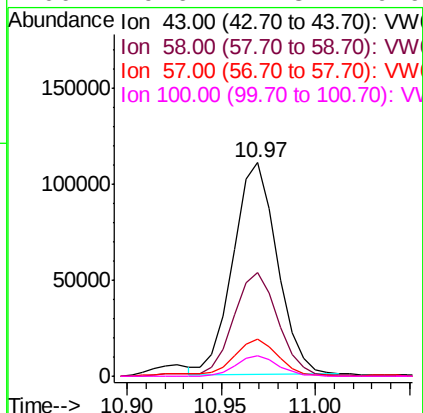
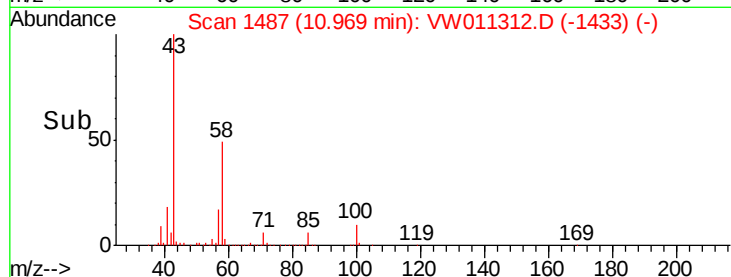
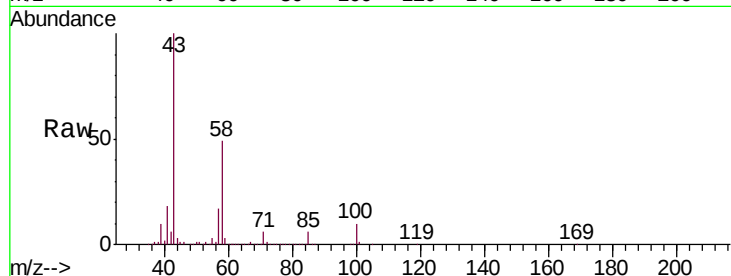




#49
2-Hexanone
Concen: 49.239 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011312.D
Acq: 17 Jul 2019 16:43

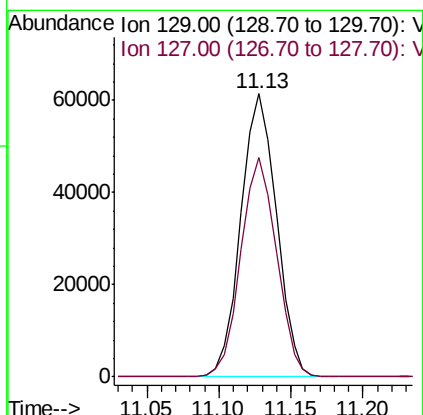
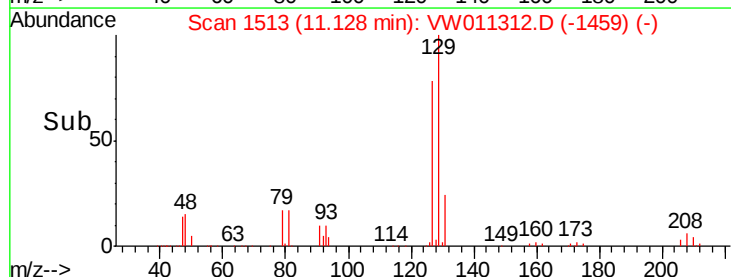
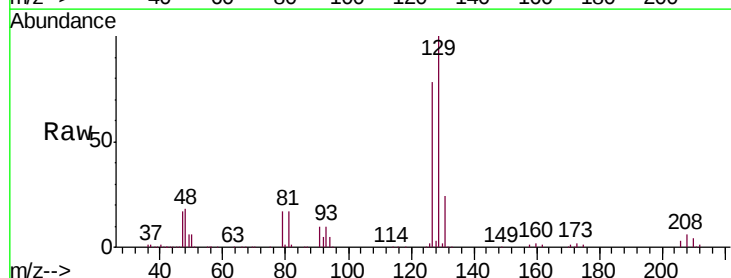
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

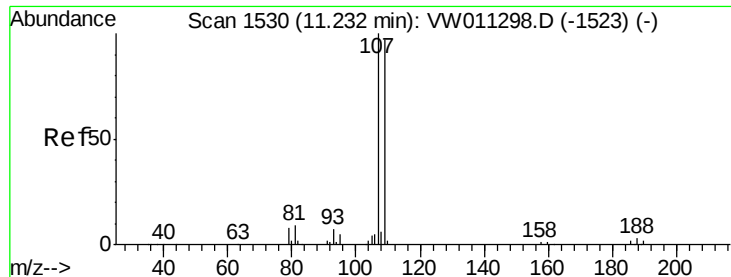
Tgt Ion: 43 Resp: 179623
Ion Ratio Lower Upper
43 100
58 50.8 38.4 57.6
57 17.2 13.3 19.9
100 9.6 7.3 10.9



#50
Dibromochloromethane
Concen: 26.526 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011312.D
Acq: 17 Jul 2019 16:43

Tgt Ion: 129 Resp: 105752
Ion Ratio Lower Upper
129 100
127 77.7 53.3 99.1

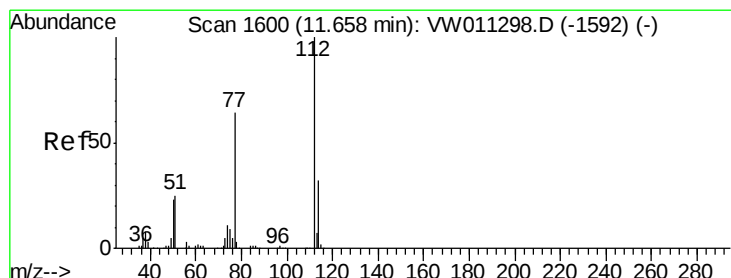
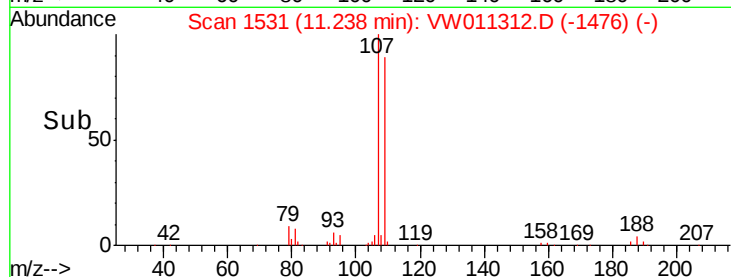
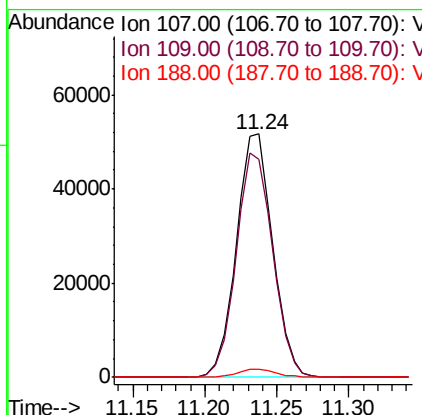
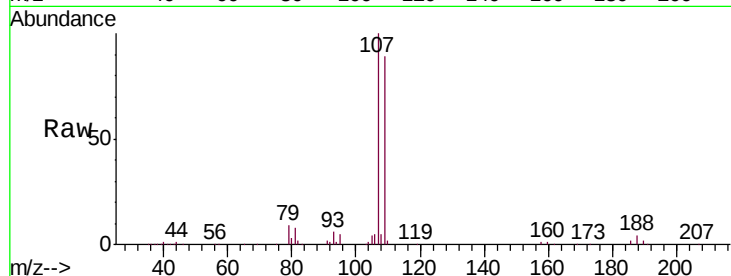




#51
 1,2-Dibromoethane
 Concen: 25.026 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW011312.D
 Acq: 17 Jul 2019 16:43

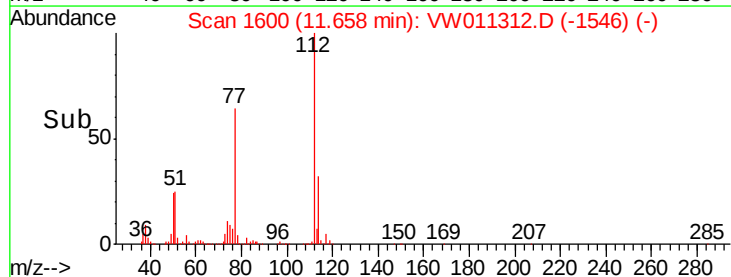
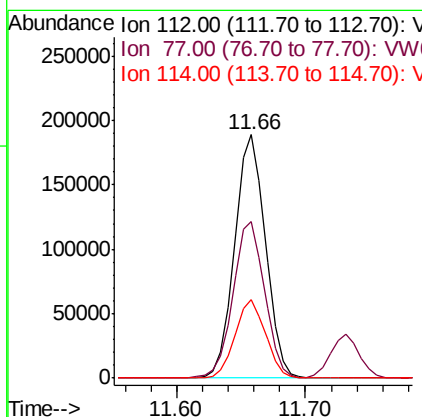
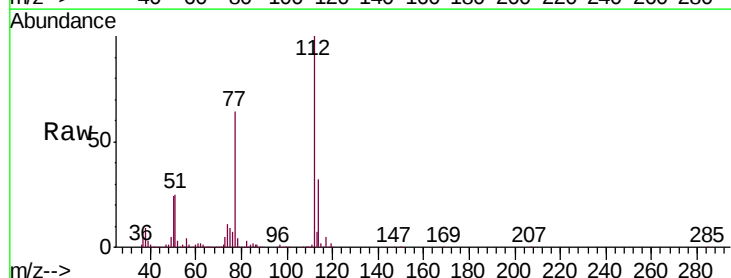
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

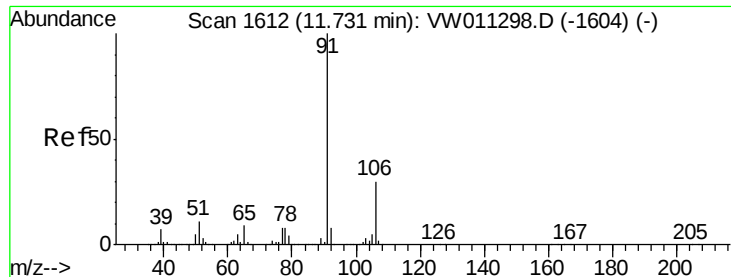
Tgt Ion:107 Resp: 90472
 Ion Ratio Lower Upper
 107 100
 109 89.5 64.3 119.3
 188 3.6 3.2 4.8



#52
 Chlorobenzene
 Concen: 25.101 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW011312.D
 Acq: 17 Jul 2019 16:43

Tgt Ion:112 Resp: 313163
 Ion Ratio Lower Upper
 112 100
 77 64.1 51.2 76.8
 114 32.2 22.0 40.8

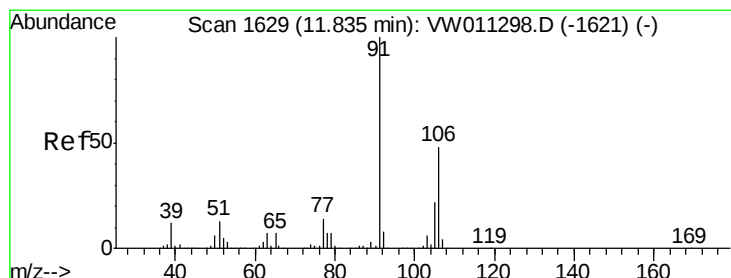
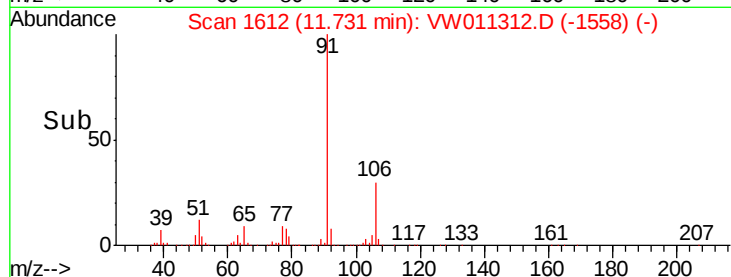
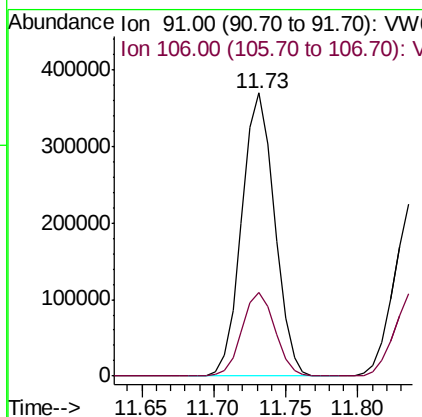
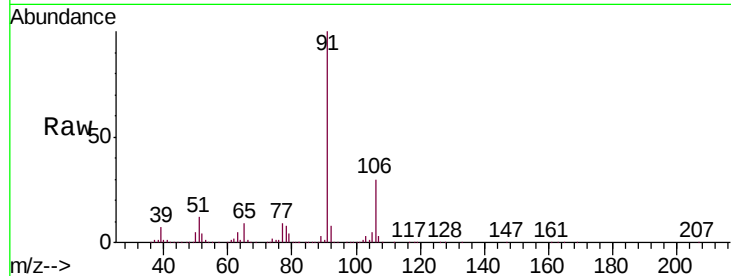




#53
Ethylbenzene
Concen: 25.284 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011312.D
Acq: 17 Jul 2019 16:43

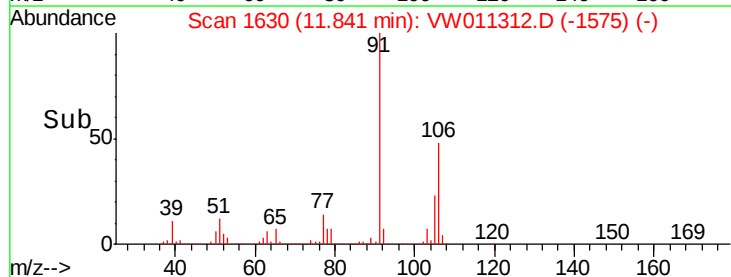
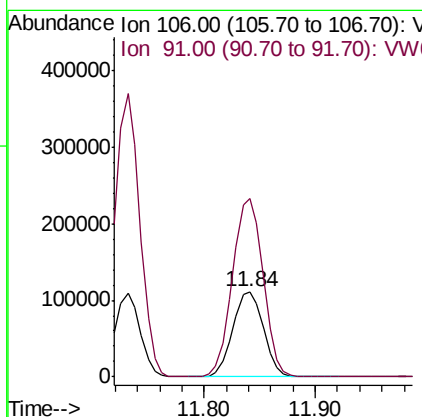
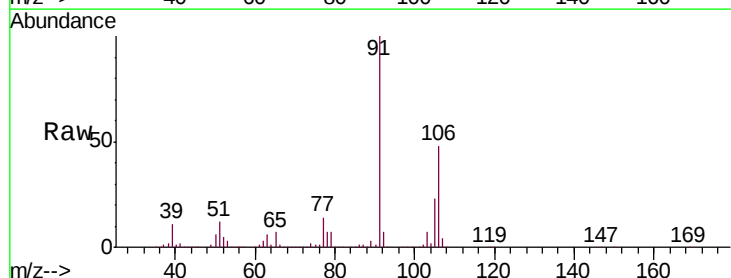
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

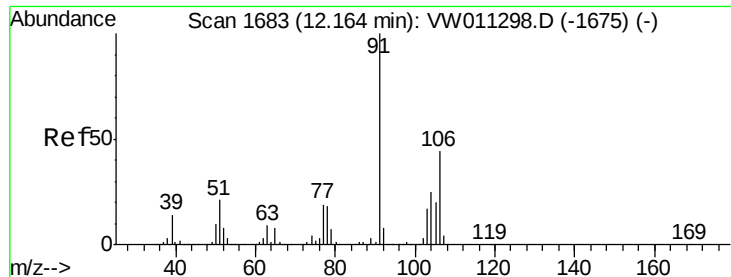
Tgt Ion: 91 Resp: 585663
Ion Ratio Lower Upper
91 100
106 29.5 20.6 38.4



#54
m,p-Xylene
Concen: 25.183 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011312.D
Acq: 17 Jul 2019 16:43

Tgt Ion: 106 Resp: 211788
Ion Ratio Lower Upper
106 100
91 210.1 142.6 264.8

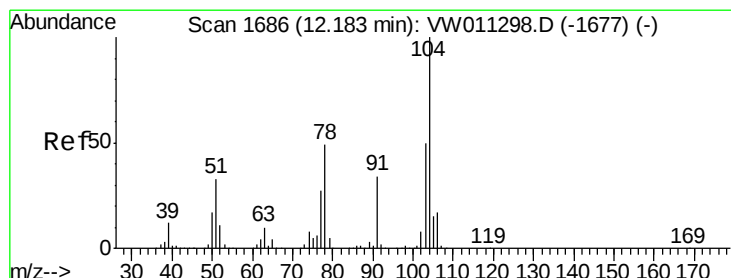
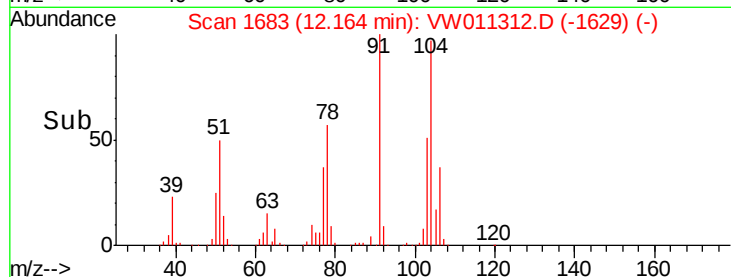
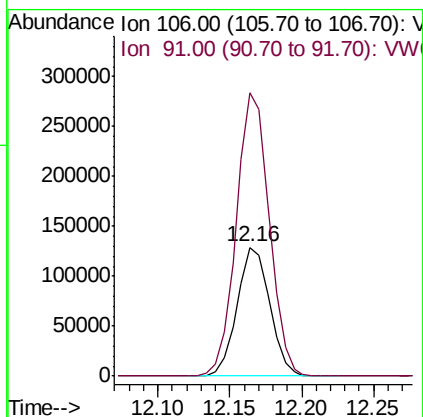
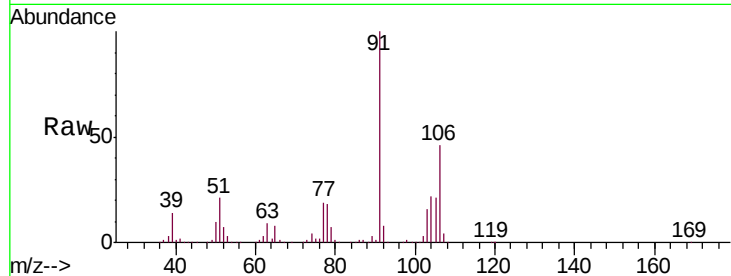




#55
o-xylene
Concen: 25.490 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011312.D
Acq: 17 Jul 2019 16:43

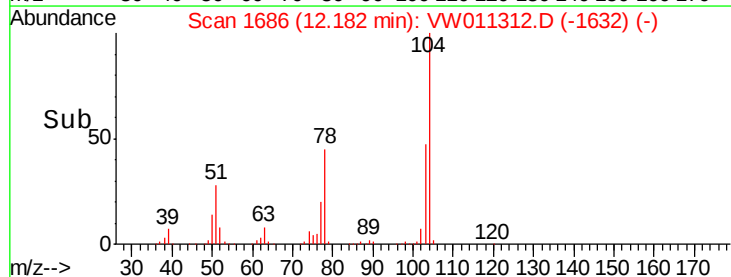
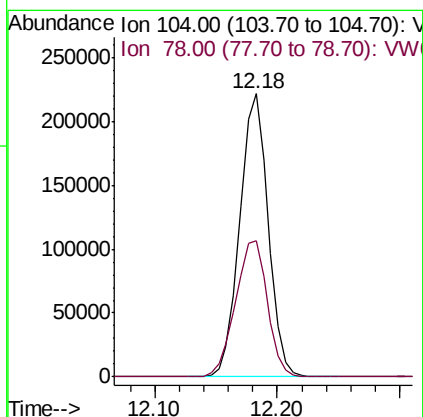
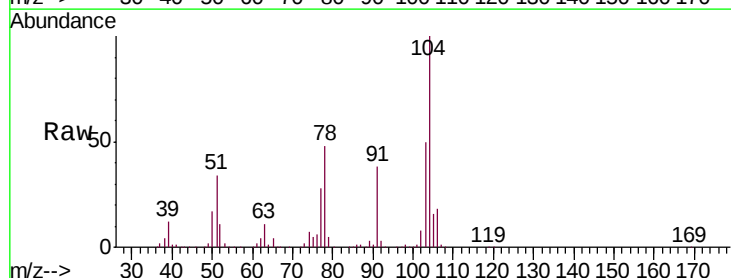
Instrument :
MSVOA_W
ClientSampled :
VSTD02511

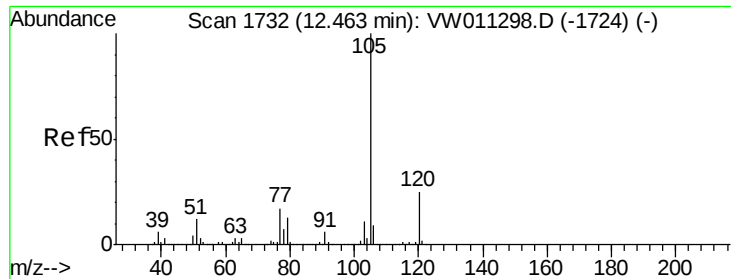
Tgt Ion:106 Resp: 203933
Ion Ratio Lower Upper
106 100
91 219.2 154.6 287.2



#56
Styrene
Concen: 26.012 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011312.D
Acq: 17 Jul 2019 16:43

Tgt Ion:104 Resp: 356994
Ion Ratio Lower Upper
104 100
78 47.9 33.7 62.7





#57

Isopropylbenzene

Concen: 25.599 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

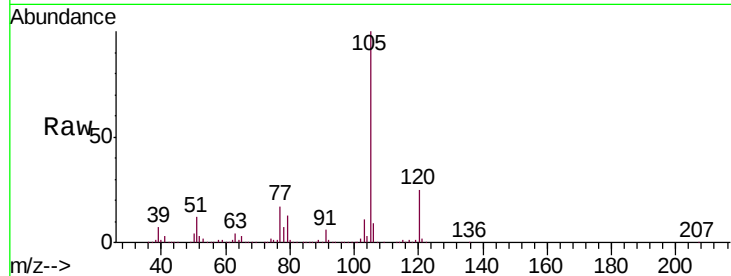
Tgt Ion: 105 Resp: 559068

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

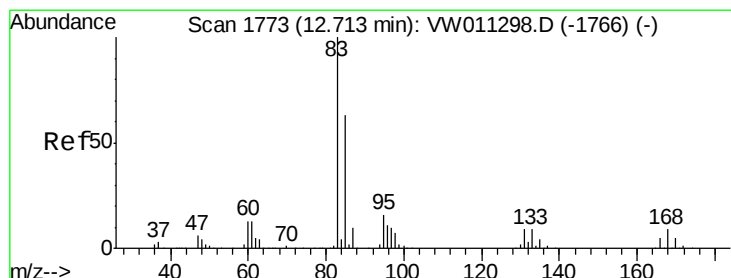
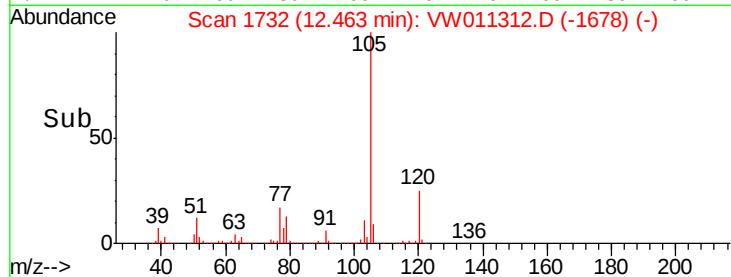
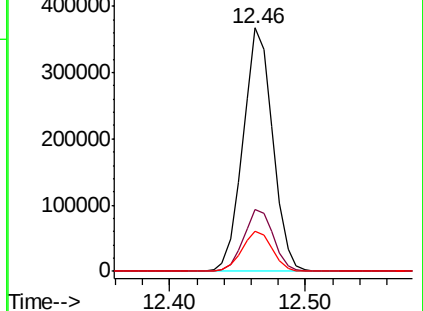
77 16.9 13.5 20.3



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: 25.563 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

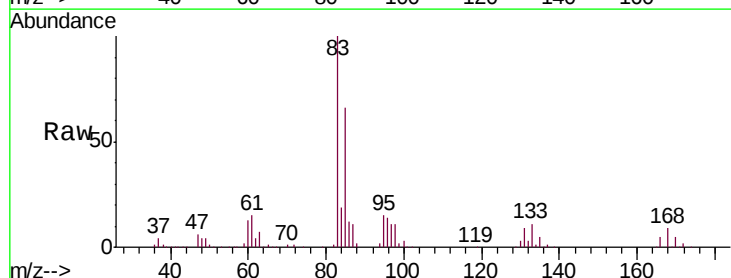
Tgt Ion: 83 Resp: 127320

Ion Ratio Lower Upper

83 100

85 65.7 44.0 81.6

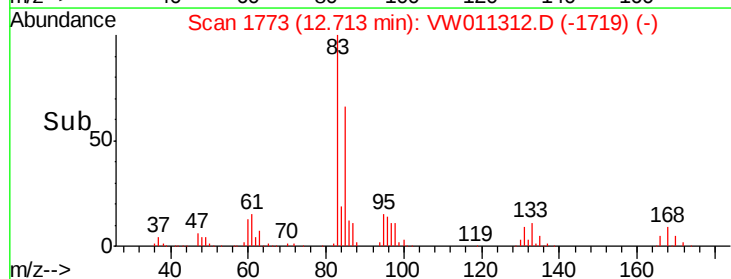
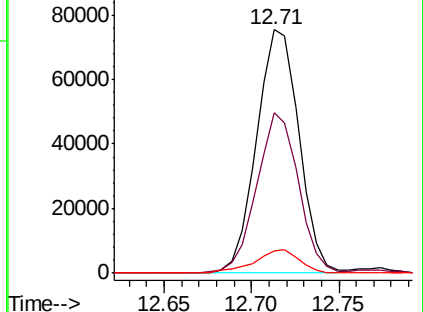
131 9.3 6.7 10.1

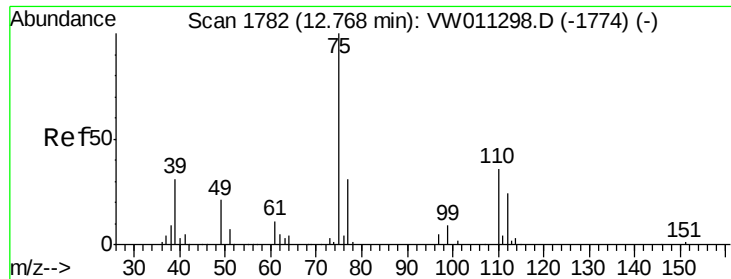


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.007 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

Instrument :

MSVOA_W

ClientSampleId :

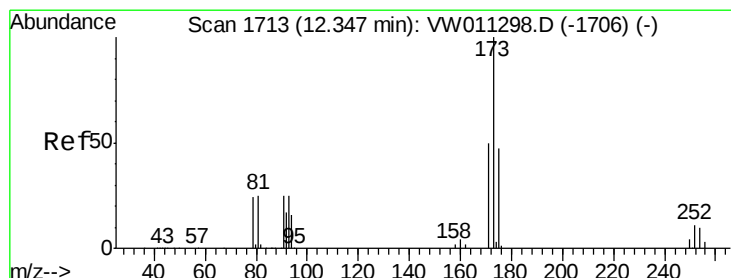
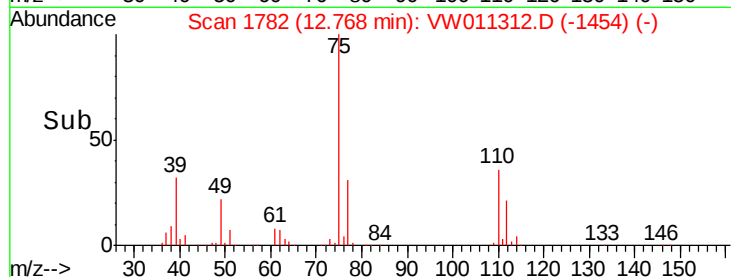
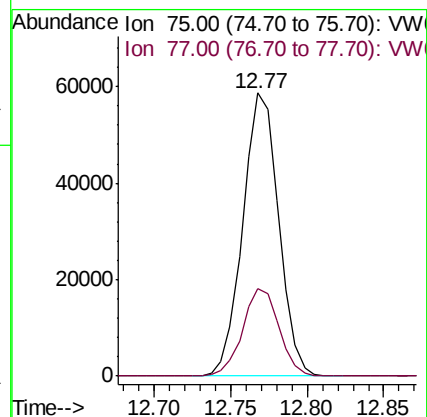
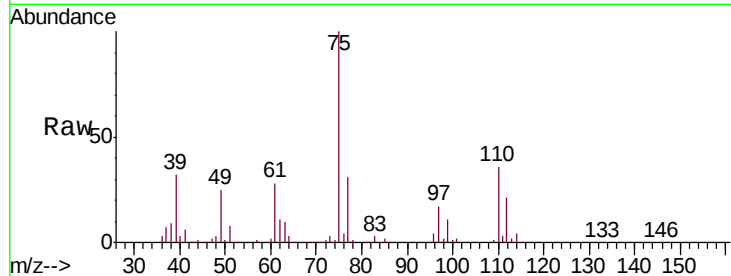
VSTD02511

Tgt Ion: 75 Resp: 95650

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0



#62

Bromoform

Concen: 25.902 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

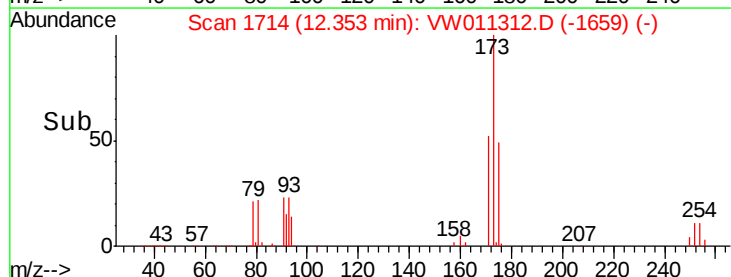
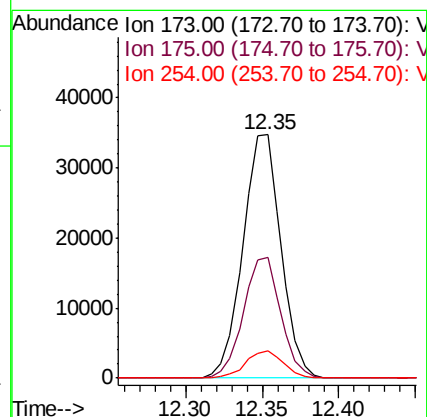
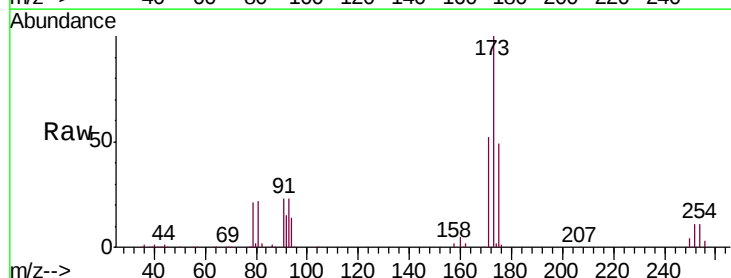
Tgt Ion: 173 Resp: 60025

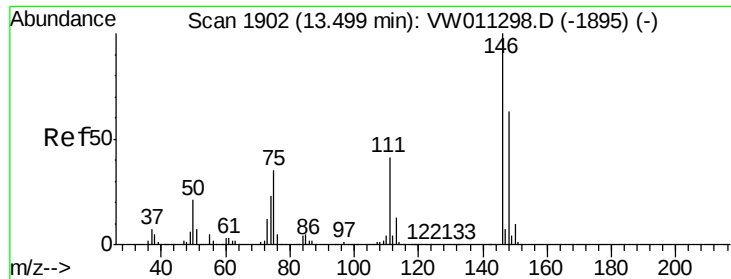
Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.6

254 10.8 8.5 12.7

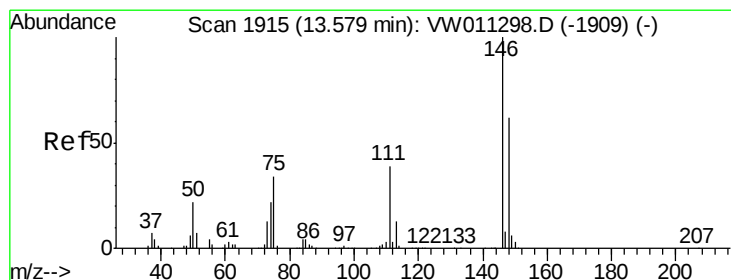
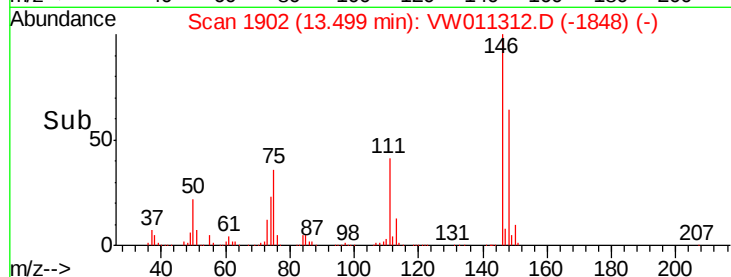
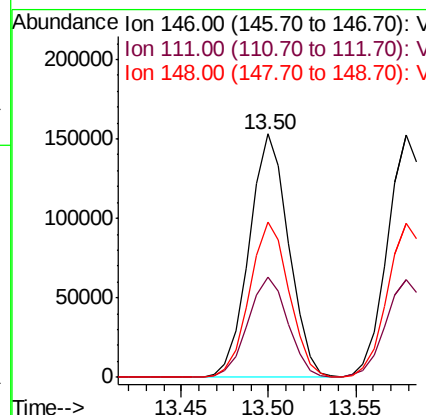
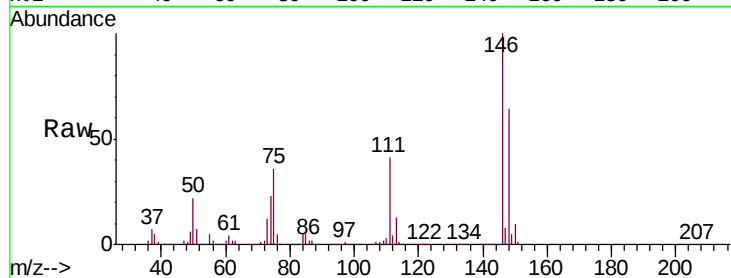




#63
 1,3-Dichlorobenzene
 Concen: 25.148 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011312.D
 Acq: 17 Jul 2019 16:43

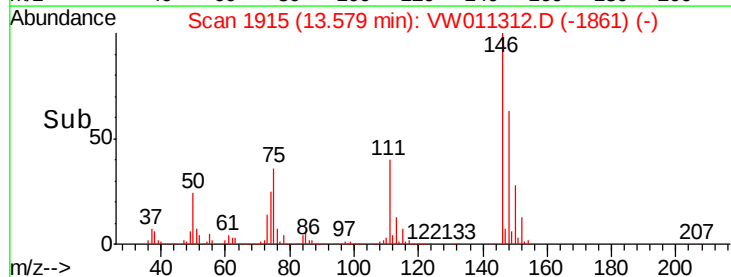
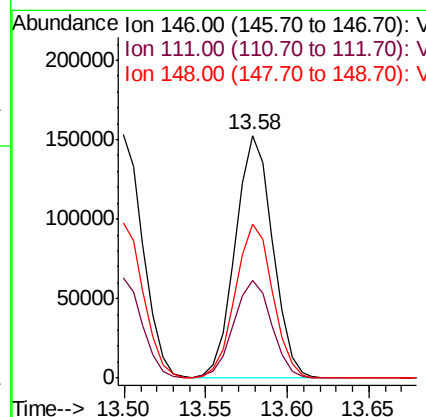
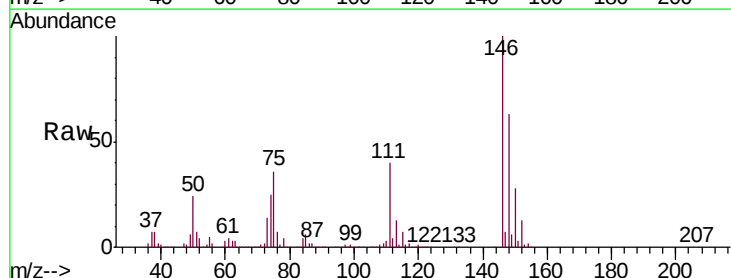
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

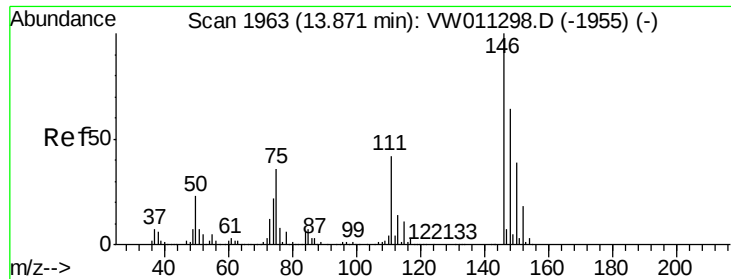
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	29.0	53.8
148	64.0	44.4	82.5



#64
 1,4-Dichlorobenzene
 Concen: 24.901 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011312.D
 Acq: 17 Jul 2019 16:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	27.5	51.1
148	63.3	43.8	81.3

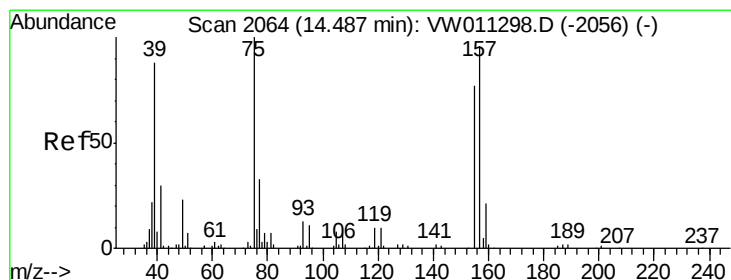
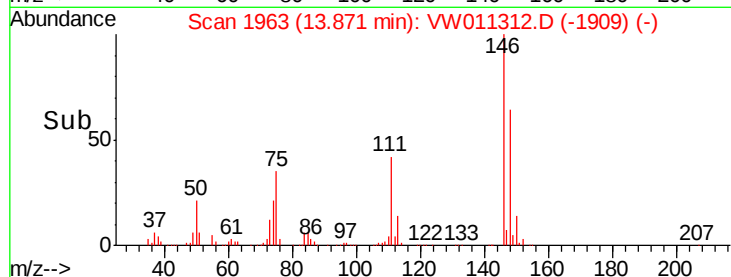
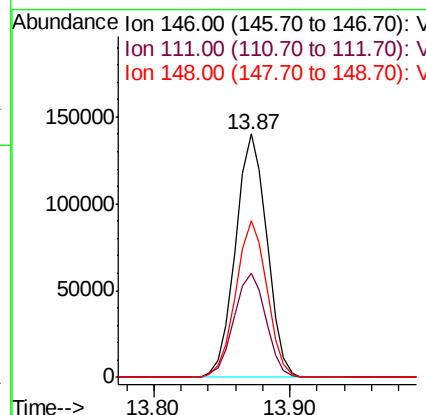
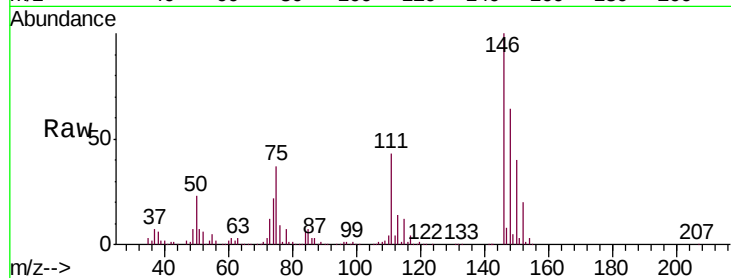




#65
 1,2-Dichlorobenzene
 Concen: 25.258 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011312.D
 Acq: 17 Jul 2019 16:43

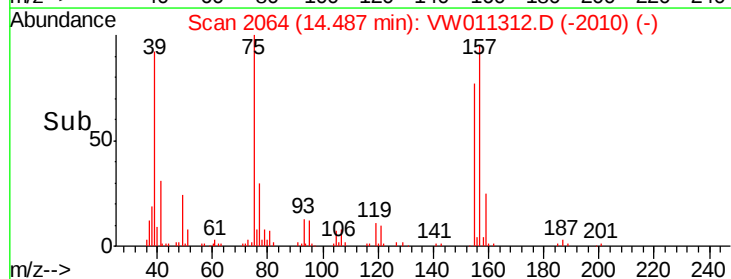
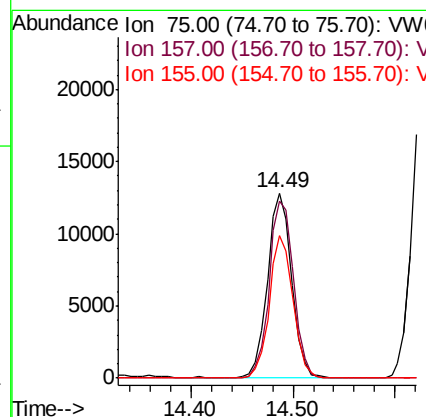
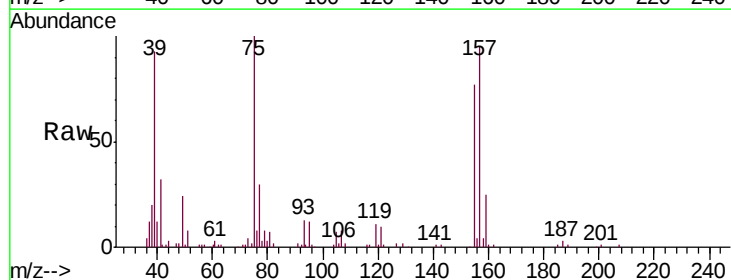
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

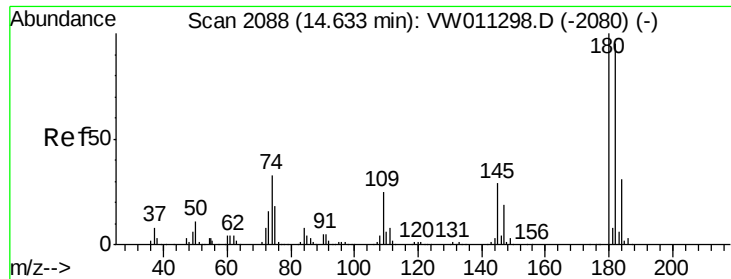
Tgt Ion:146 Resp: 224923
 Ion Ratio Lower Upper
 146 100
 111 42.5 34.1 51.1
 148 64.4 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.233 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011312.D
 Acq: 17 Jul 2019 16:43

Tgt Ion: 75 Resp: 21186
 Ion Ratio Lower Upper
 75 100
 157 95.3 75.3 112.9
 155 76.6 60.2 90.2

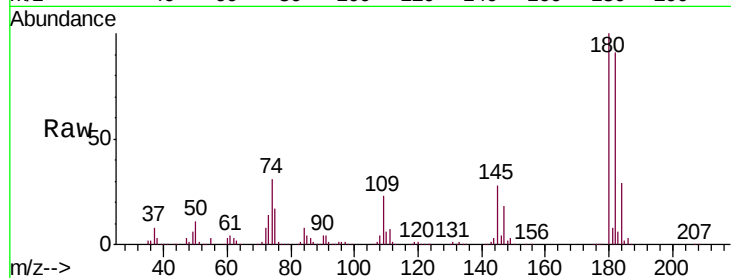




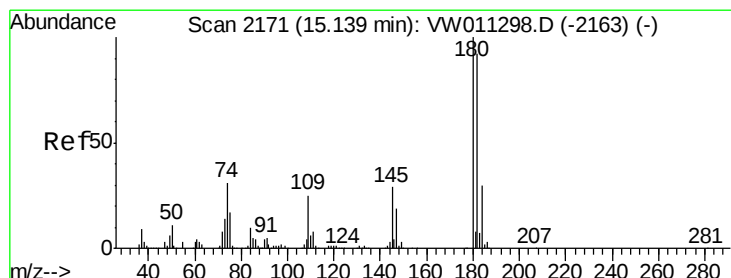
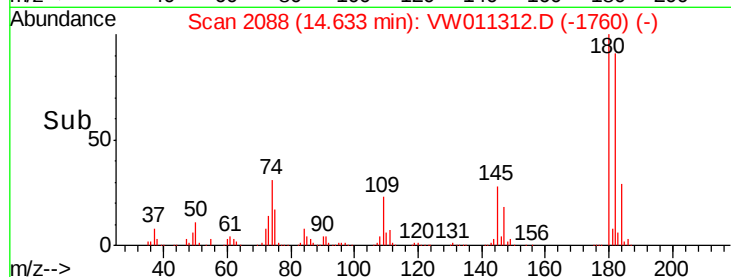
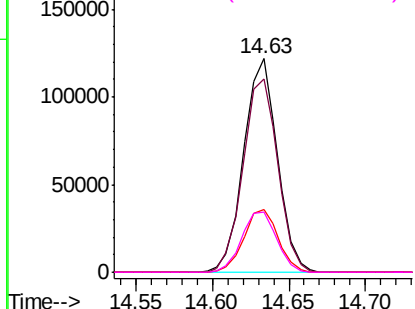
#67
 1,3,5-Trichlorobenzene
 Concen: 25.613 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW011312.D
 Acq: 17 Jul 2019 16:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tgt Ion:	180	Resp:	185651
Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.0	115.4
184	30.1	24.3	36.5
145	29.7	24.2	36.2

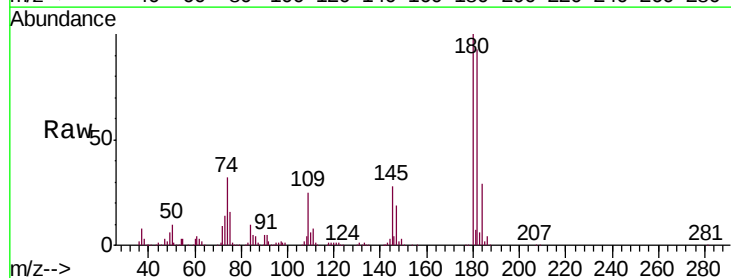


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

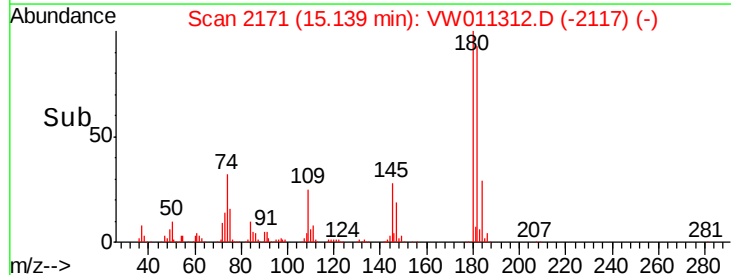
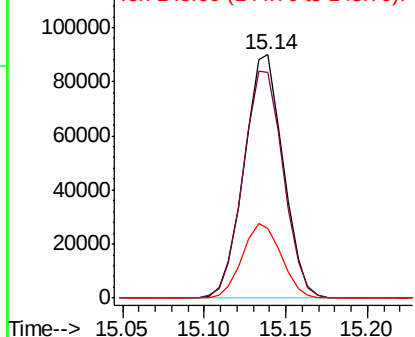


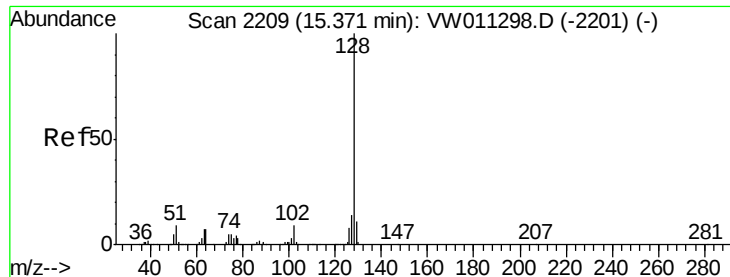
#68
 1,2,4-trichlorobenzene
 Concen: 24.829 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW011312.D
 Acq: 17 Jul 2019 16:43

Tgt Ion:	180	Resp:	150772
Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.0	115.6
145	30.5	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: 24.805 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

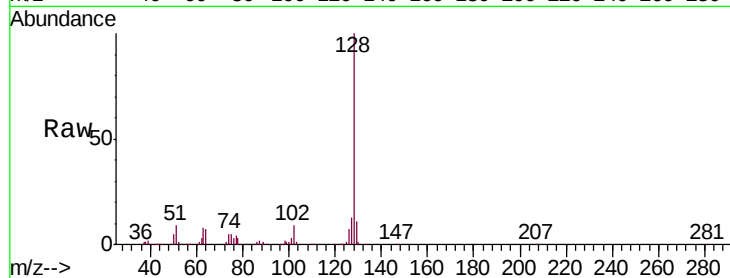
Tgt Ion:128 Resp: 315455

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

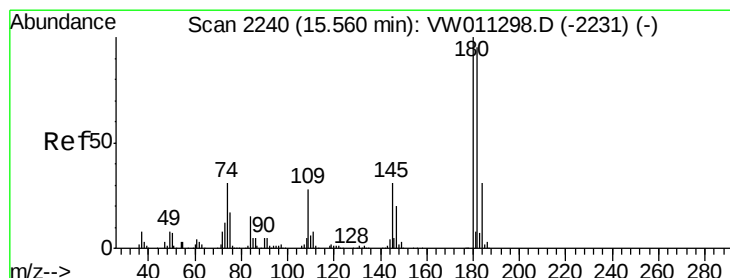
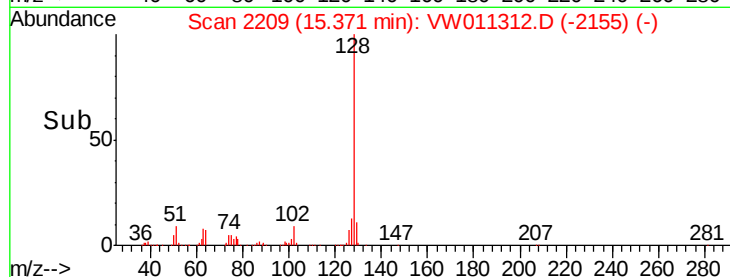
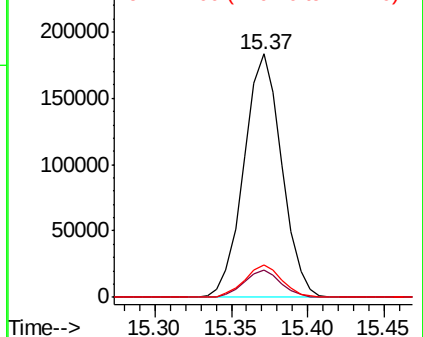
127 13.2 10.6 15.8



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: 24.748 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011312.D

Acq: 17 Jul 2019 16:43

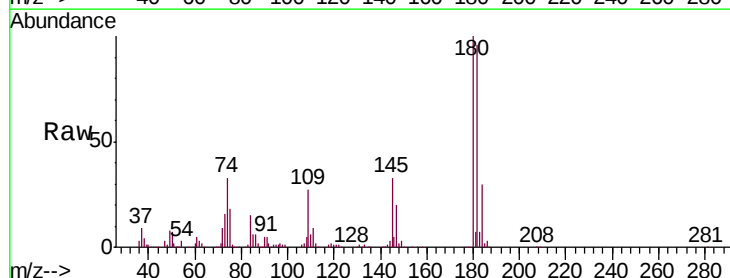
Tgt Ion:180 Resp: 137496

Ion Ratio Lower Upper

180 100

182 95.9 76.4 114.6

145 32.2 25.5 38.3



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

