

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121119\
 Data File : VW014317.D
 Acq On : 11 Dec 2019 21:11
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 12 05:01:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 12 04:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1127723	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1041041	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	521173	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	417379	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.76%
7) Chloroethane-d5	2.89	69	354234	27.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.60%
10) 1,1-Dichloroethene-d2	4.02	63	766845	25.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.68%
20) 2-Butanone-d5	7.07	46	278314	62.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.08%
24) Chloroform-d	7.65	84	872995	30.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	121.60%
26) 1,2-Dichloroethane-d4	8.30	65	466932	31.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	124.08%
29) Benzene-d6	8.27	84	1793645	29.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	117.60%
33) 1,2-Dichloropropane-d6	9.27	67	567654	30.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	120.96%#
37) Toluene-d8	10.32	98	1622471	29.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	117.64%
38) trans-1,3-Dichloropropene-	10.57	79	229368	29.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	116.52%
39) 2-Hexanone-d5	10.92	63	233353	62.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	462691	30.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	121.00%#
61) 1,2-Dichlorobenzene-d4	13.85	152	571307	28.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	208311	19.421	ug/L	98
3) Chloromethane	2.21	50	210508	19.523	ug/L	99
5) Vinyl chloride	2.36	62	347496	21.766	ug/L	92
6) Bromomethane	2.78	94	217948	22.132	ug/L	99
8) Chloroethane	2.92	64	202327	22.182	ug/L	92
9) Trichlorofluoromethane	3.25	101	148324	18.767	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	320843	21.570	ug/L	94
13) Acetone	4.12	43	154456	35.999	ug/L	99
14) Carbon disulfide	4.38	76	967009	20.937	ug/L	99
15) Methyl Acetate	4.67	43	173961	21.436	ug/L	98
16) Methylene chloride	4.92	84	379048	21.926	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	432766	21.792	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	342276	21.223	ug/L	93
19) 1,1-Dichloroethane	6.21	63	638390	22.032	ug/L	100
21) 2-Butanone	7.16	43	232408	40.347	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	375178	21.863	ug/L	97
23) Bromochloromethane	7.51	128	170555	21.607	ug/L	85

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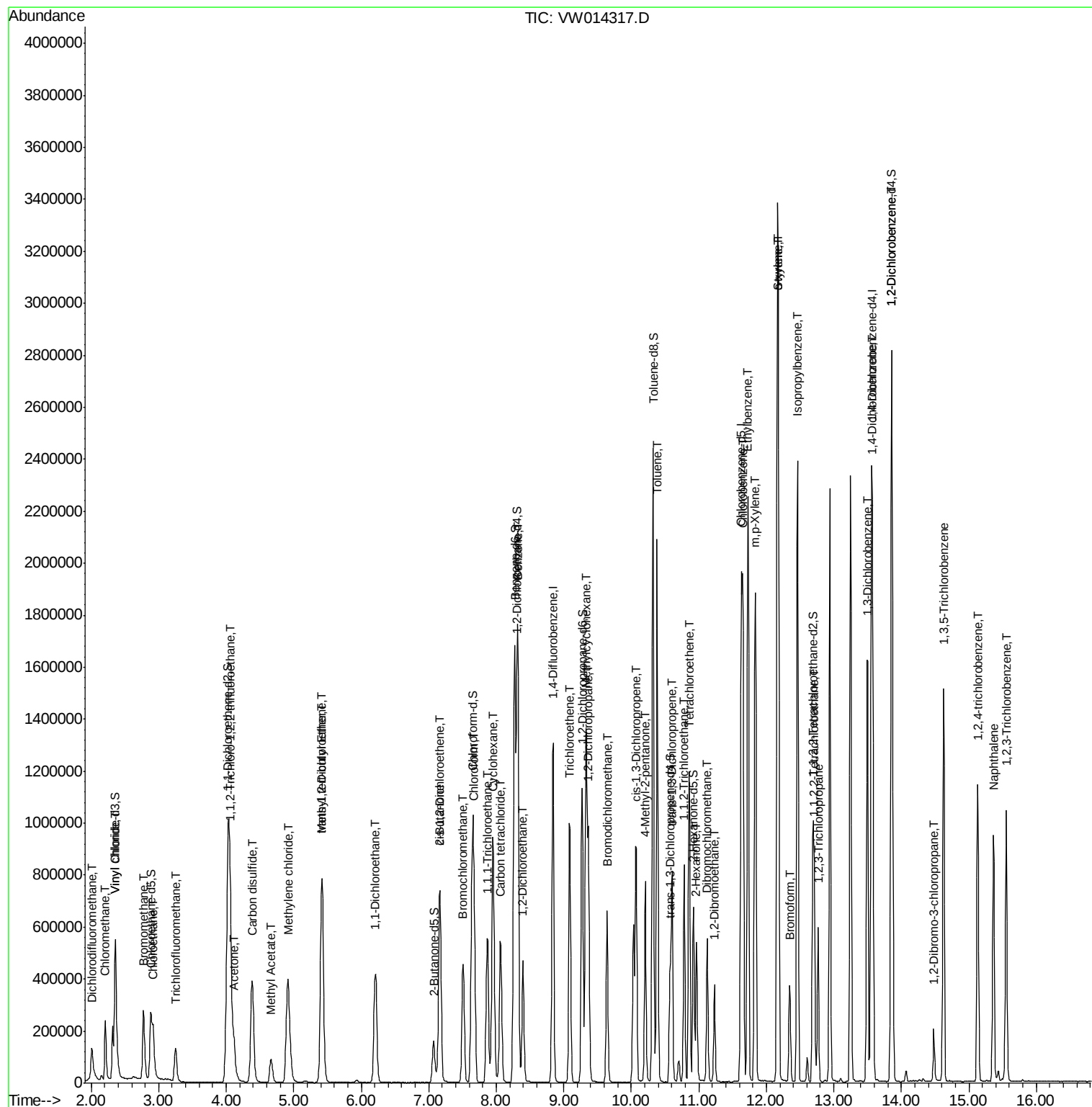
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.67	83	630703	22.400	ug/L	100
27) 1,2-Dichloroethane	8.40	62	414418	22.477	ug/L	98
30) Cyclohexane	7.95	56	545284	20.985	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	460191	22.011	ug/L	97
32) Carbon tetrachloride	8.06	117	423034	21.325	ug/L	98
34) Benzene	8.32	78	1458529	22.127	ug/L	100
35) Trichloroethene	9.09	95	357313	21.186	ug/L	95
36) Methylcyclohexane	9.34	83	548440	19.352	ug/L	96
40) 1,2-Dichloropropane	9.37	63	371426	21.933	ug/L	100
41) Bromodichloromethane	9.64	83	449388	21.836	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	564956	22.277	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	497113	44.517	ug/L	97
44) Toluene	10.38	91	1532541	22.177	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	449960	21.919	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	271753	21.415	ug/L	98
47) Tetrachloroethene	10.86	164	286414	20.375	ug/L	96
49) 2-Hexanone	10.96	43	346243	43.552	ug/L	98
50) Dibromochloromethane	11.13	129	306326	21.509	ug/L	98
51) 1,2-Dibromoethane	11.23	107	251669	20.938	ug/L	99
52) Chlorobenzene	11.65	112	950481	21.281	ug/L	94
53) Ethylbenzene	11.73	91	1641799	21.895	ug/L	98
54) m,p-Xylene	11.84	106	623942	21.631	ug/L	97
55) o-xylene	12.16	106	600757	21.958	ug/L	99
56) Styrene	12.18	104	1058736	22.620	ug/L	97
57) Isopropylbenzene	12.46	105	1522010	21.428	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	336602	21.371	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	248819	21.260	ug/L	99
62) Bromoform	12.35	173	177441	20.060	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	714128	20.386	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	719261	20.209	ug/L	96
65) 1,2-Dichlorobenzene	13.86	146	669282	20.546	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	51853	20.634	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	488776	19.394	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	391792	19.941	ug/L	100
69) Naphthalene	15.36	128	806459	21.827	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	366989	19.918	ug/L	99

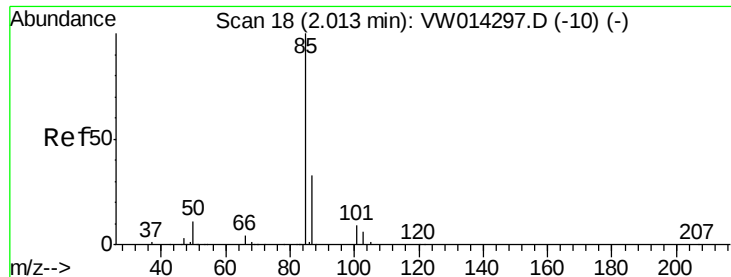
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.421 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Instrument :

MSVOA_W

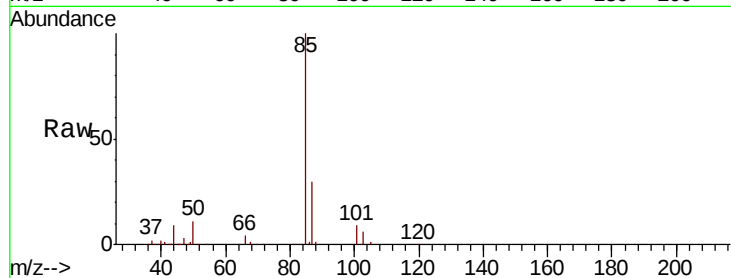
ClientSampleId :

Tot Ion: 85 Resp: 208311

Ion Ratio Lower Upper

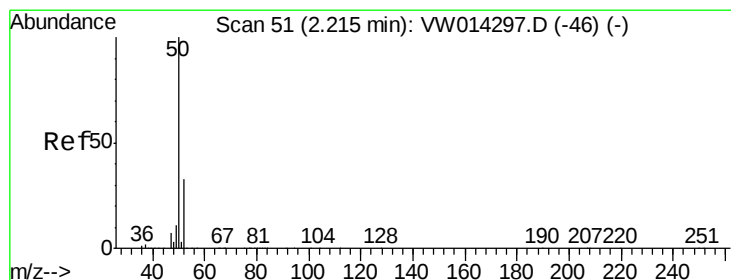
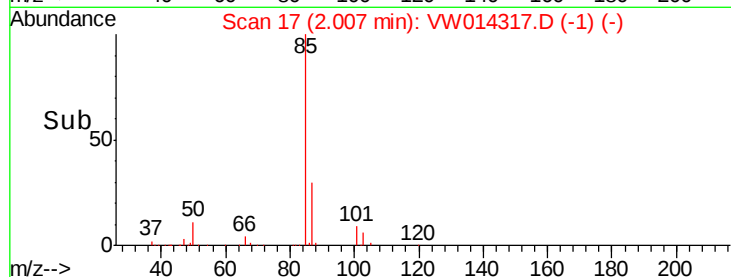
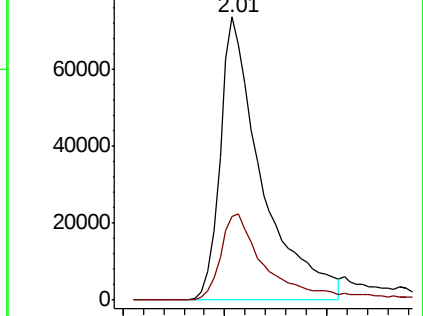
85 100

87 30.7 22.1 41.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 19.523 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014317.D

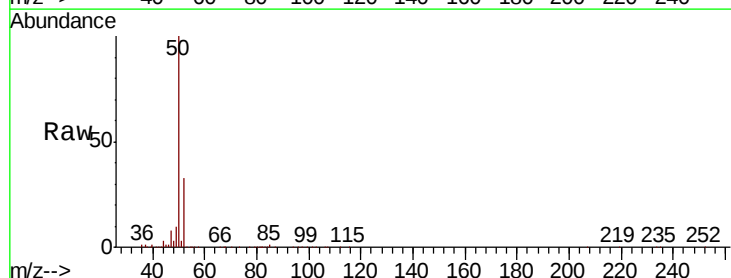
Acq: 11 Dec 2019 21:11

Tgt Ion: 50 Resp: 210508

Ion Ratio Lower Upper

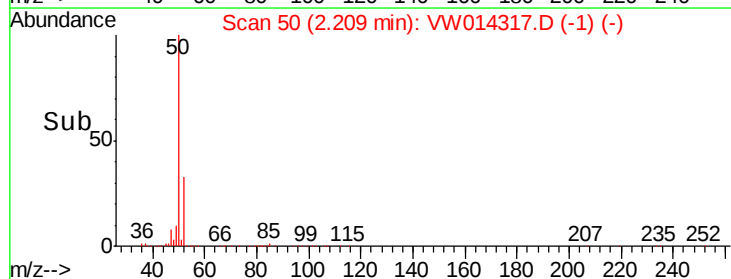
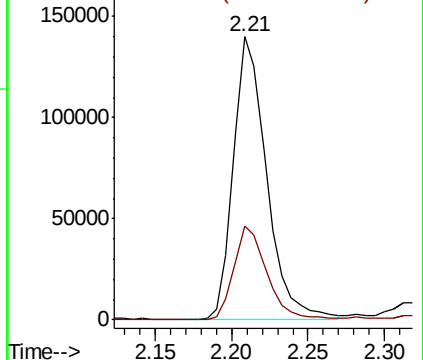
50 100

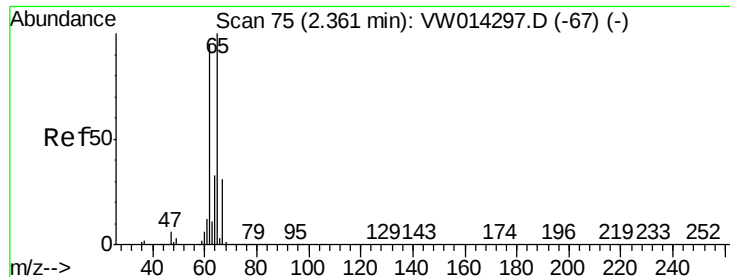
52 33.3 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 21.766 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

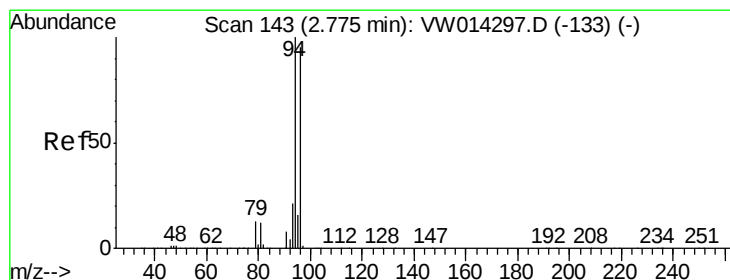
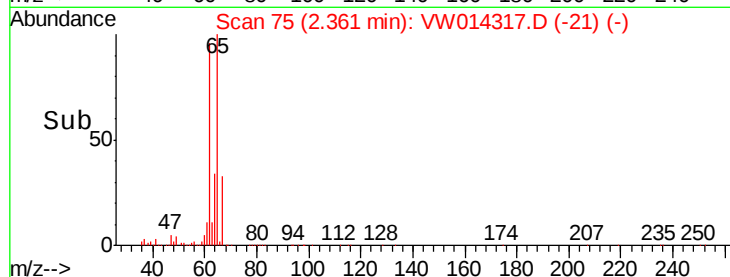
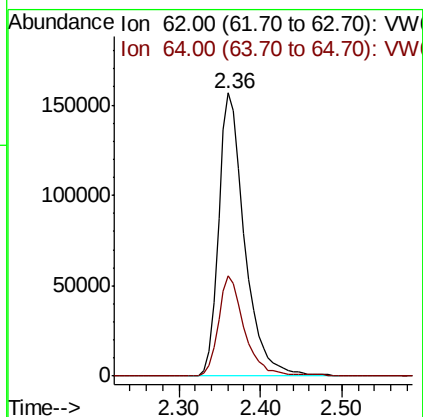
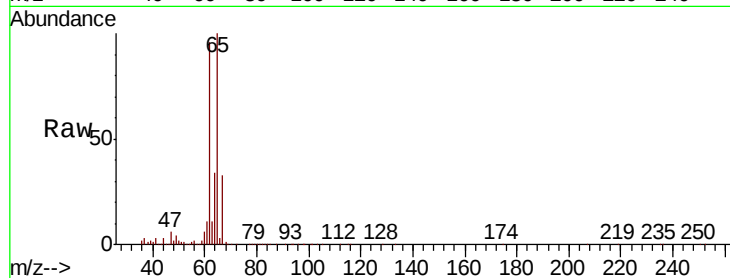
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 62 Resp: 347496

Ion Ratio Lower Upper

62 100

64 35.4 21.8 40.4



#6

Bromomethane

Concen: 22.132 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014317.D

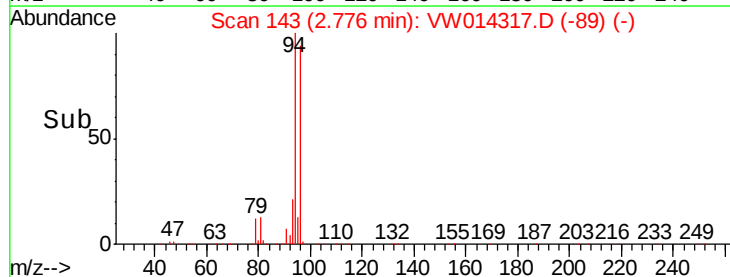
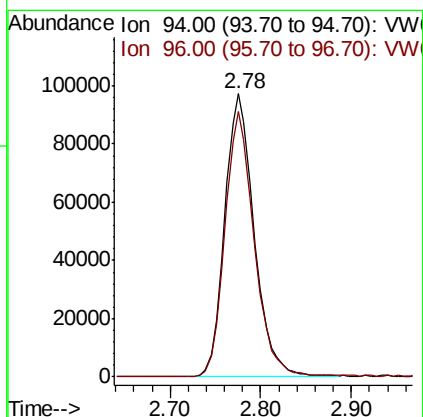
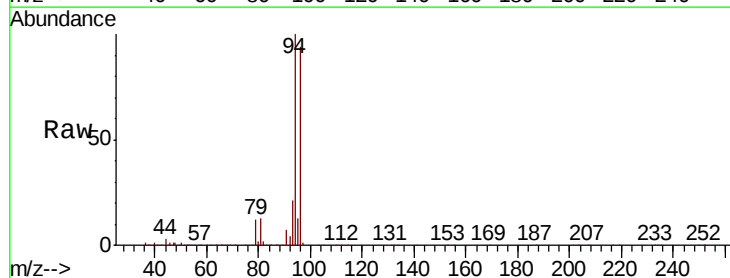
Acq: 11 Dec 2019 21:11

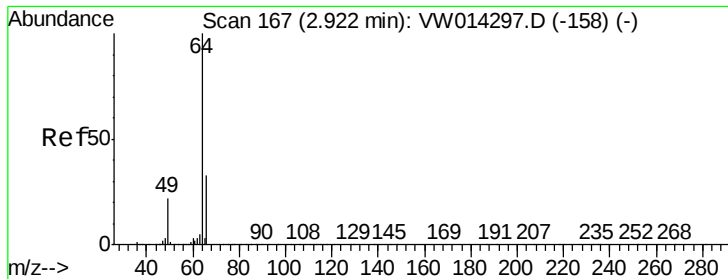
Tgt Ion: 94 Resp: 217948

Ion Ratio Lower Upper

94 100

96 93.1 9.4 178.8





#8

Chloroethane

Concen: 22.182 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Instrument :

MSVOA_W

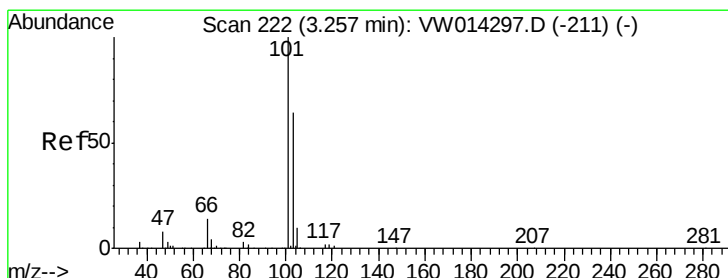
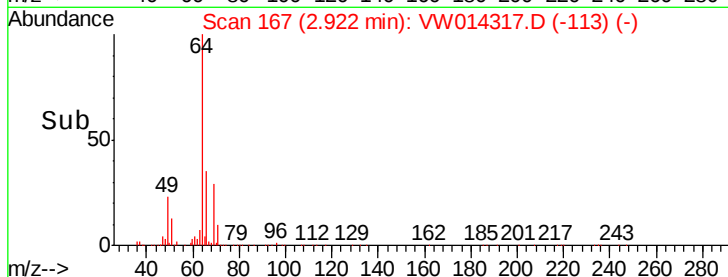
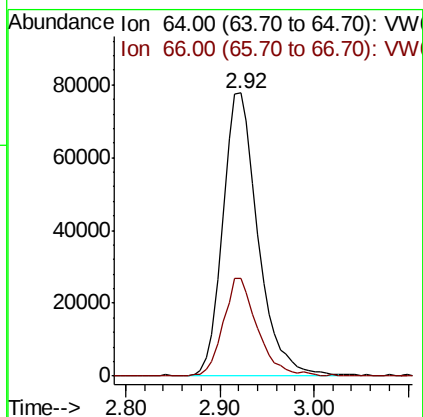
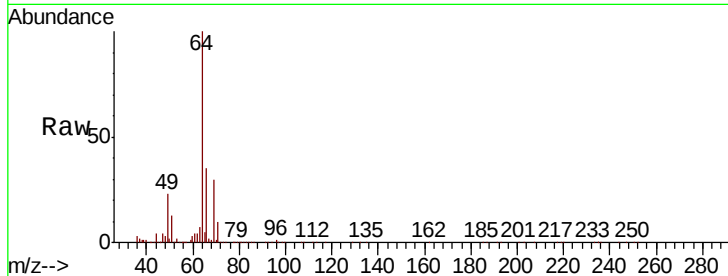
ClientSampleId :

Tot Ion: 64 Resp: 202327

Ion Ratio Lower Upper

64 100

66 34.6 21.2 39.4



#9

Trichlorofluoromethane

Concen: 18.767 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014317.D

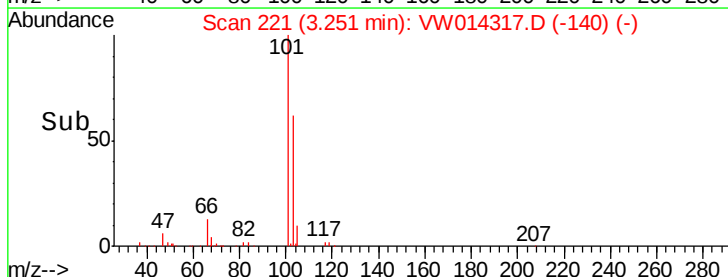
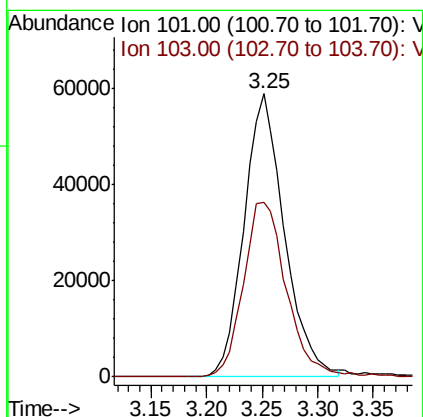
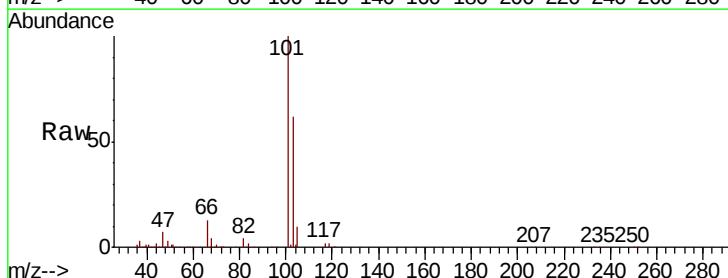
Acq: 11 Dec 2019 21:11

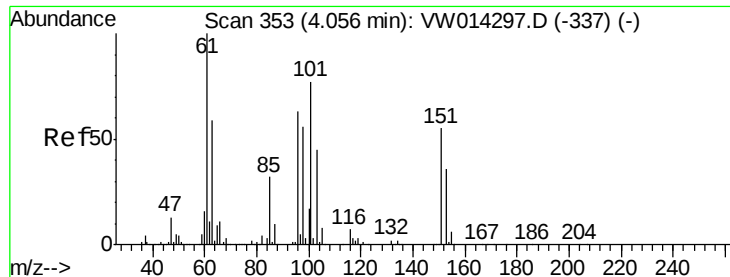
Tgt Ion: 101 Resp: 148324

Ion Ratio Lower Upper

101 100

103 65.9 45.4 84.2





#11

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

Concen: 21.570 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Instrument :

MSVOA_W

ClientSampled :

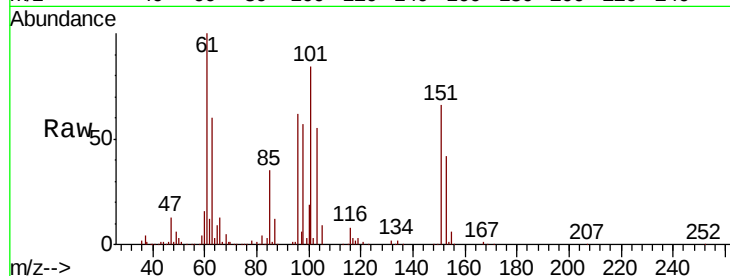
Tot Ion:101 Resp: 320843

Ion Ratio Lower Upper

101 100

85 40.8 31.4 47.2

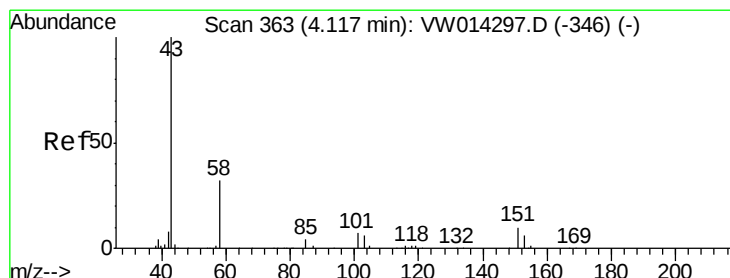
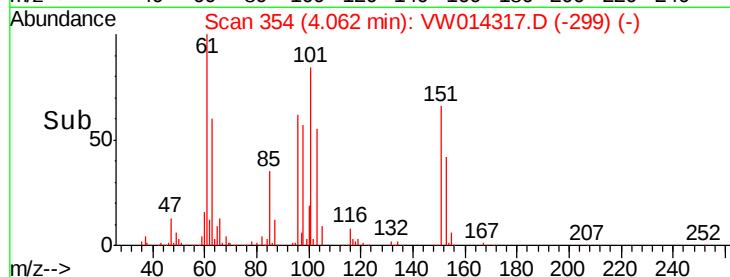
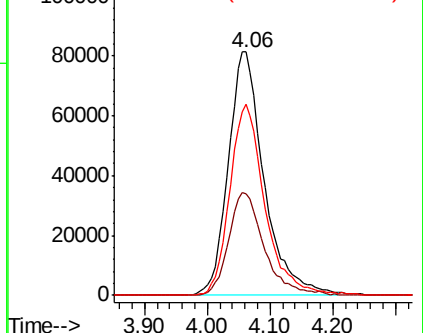
151 76.7 66.9 100.3



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



#13

Acetone

Concen: 35.999 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014317.D

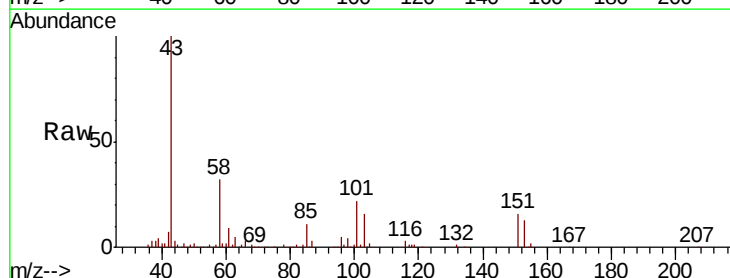
Acq: 11 Dec 2019 21:11

Tgt Ion: 43 Resp: 154456

Ion Ratio Lower Upper

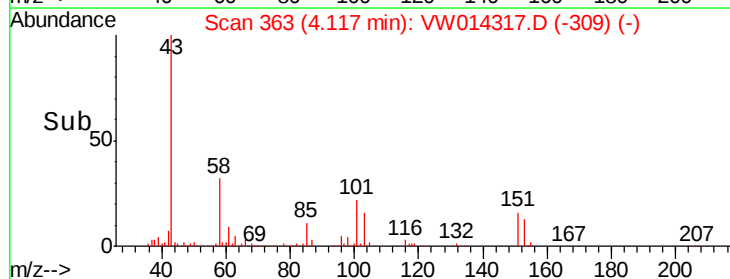
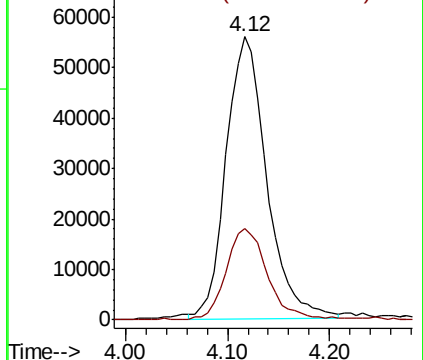
43 100

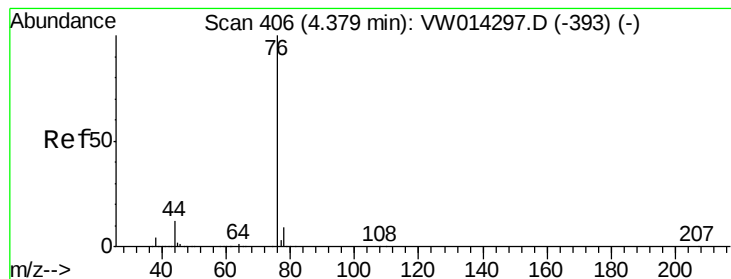
58 32.0 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 20.937 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Instrument :

MSVOA_W

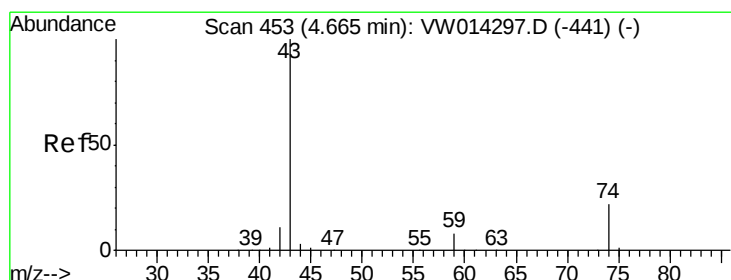
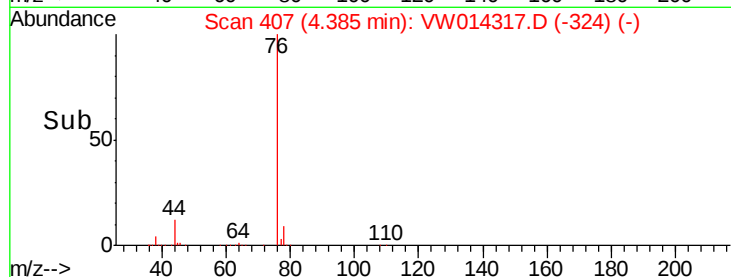
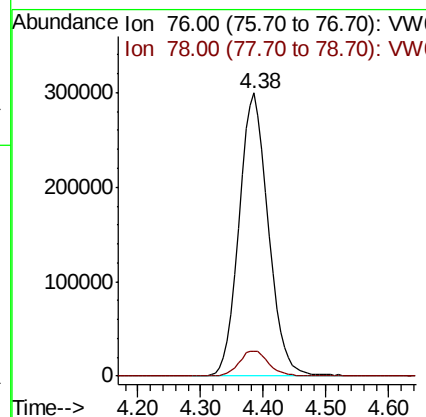
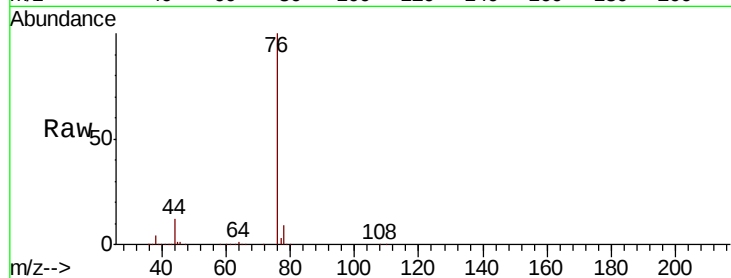
ClientSampleId :

Tot Ion: 76 Resp: 967009

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8



#15

Methyl Acetate

Concen: 21.436 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014317.D

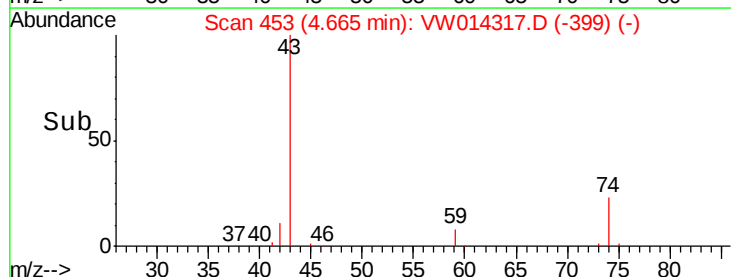
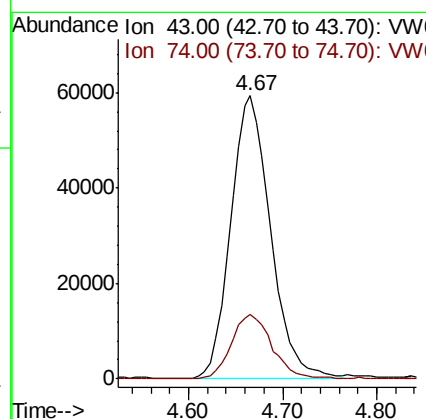
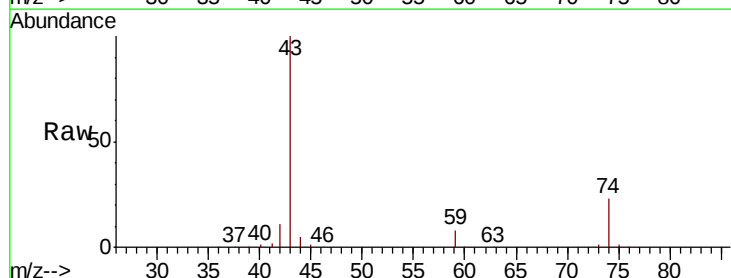
Acq: 11 Dec 2019 21:11

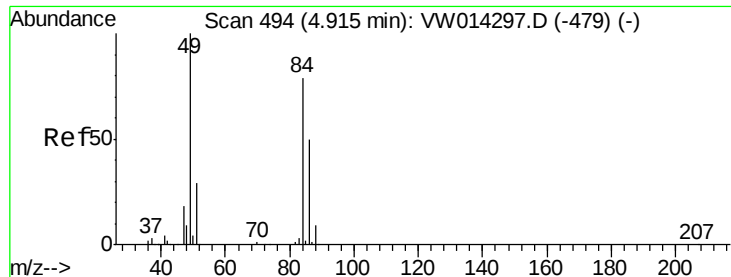
Tgt Ion: 43 Resp: 173961

Ion Ratio Lower Upper

43 100

74 23.3 19.3 28.9

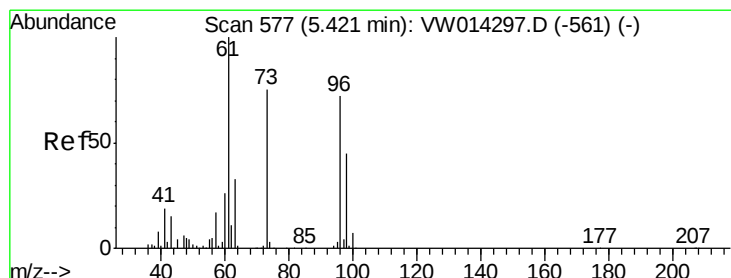
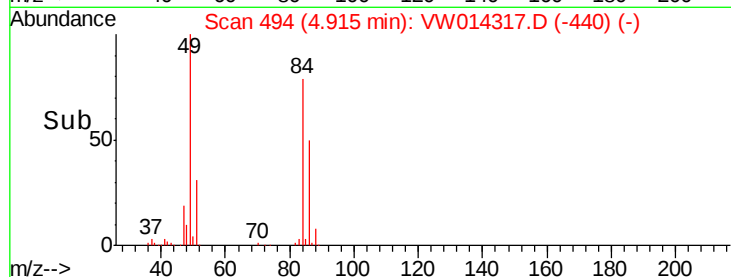
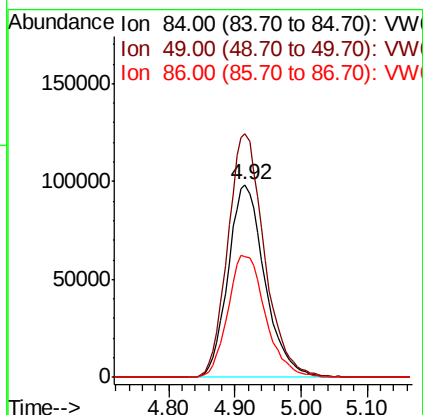
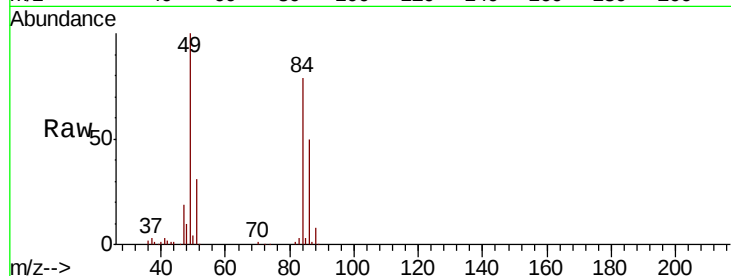




#16
Methylene chloride
Concen: 21.926 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW014317.D
Acq: 11 Dec 2019 21:11

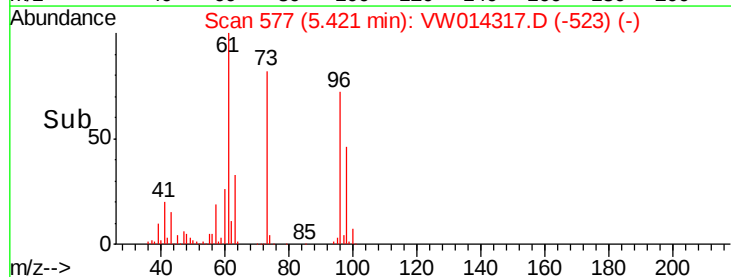
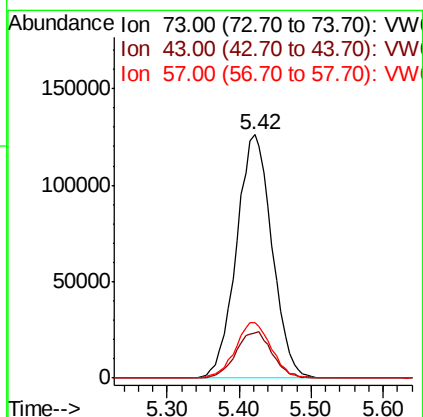
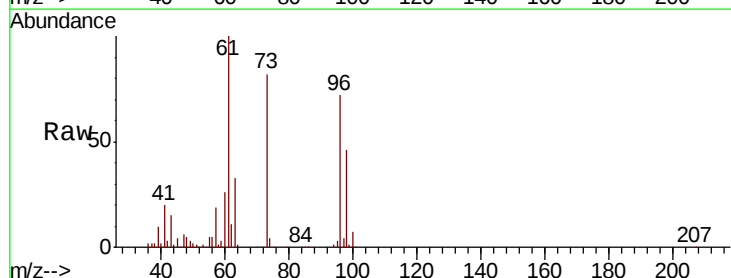
Instrument :
MSVOA_W
ClientSampleId :

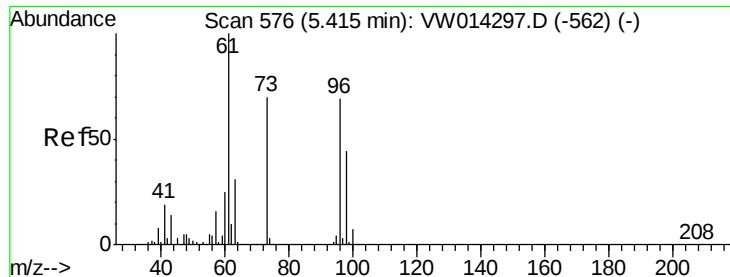
Tot Ion: 84 Resp: 379048
Ion Ratio Lower Upper
84 100
49 126.4 84.2 156.4
86 62.7 43.7 81.1



#17
Methyl tert-butyl Ether
Concen: 21.792 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014317.D
Acq: 11 Dec 2019 21:11

Tgt Ion: 73 Resp: 432766
Ion Ratio Lower Upper
73 100
43 19.5 15.5 23.3
57 22.8 18.2 27.4

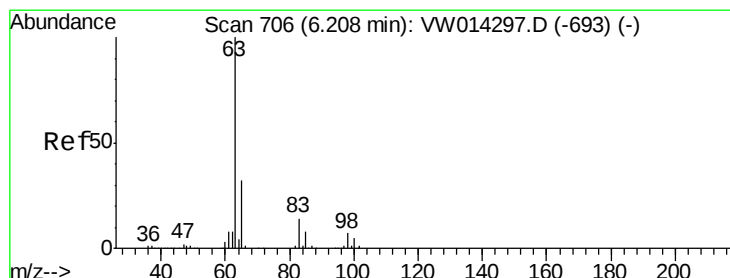
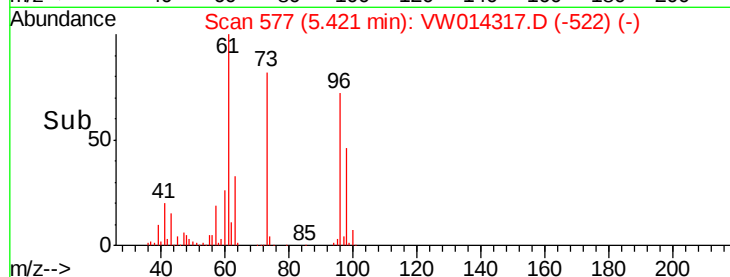
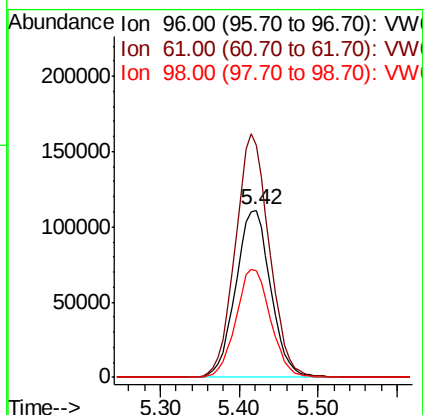
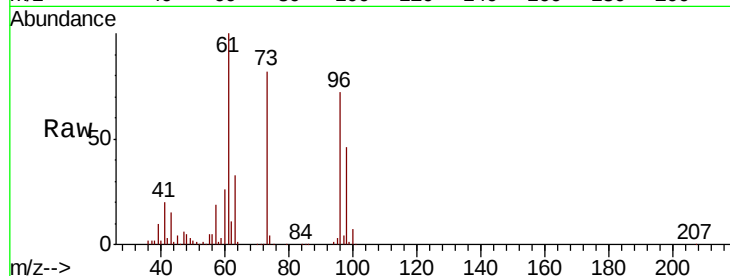




#18
trans-1,2-Dichloroethene
Concen: 21.223 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW014317.D
Acq: 11 Dec 2019 21:11

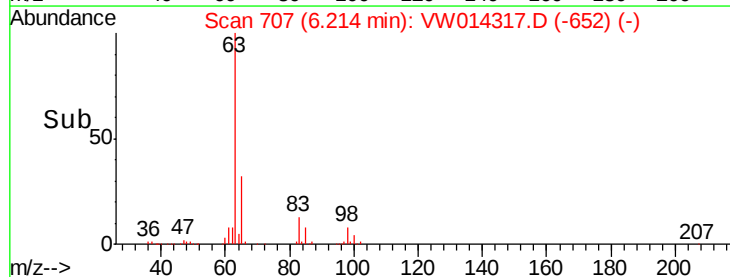
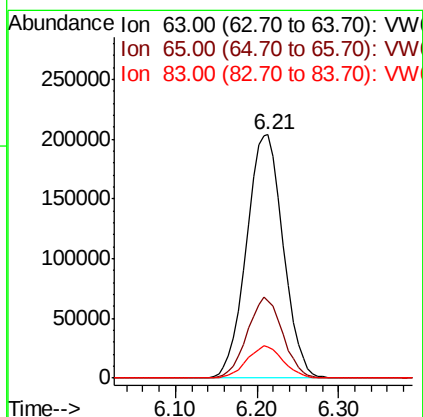
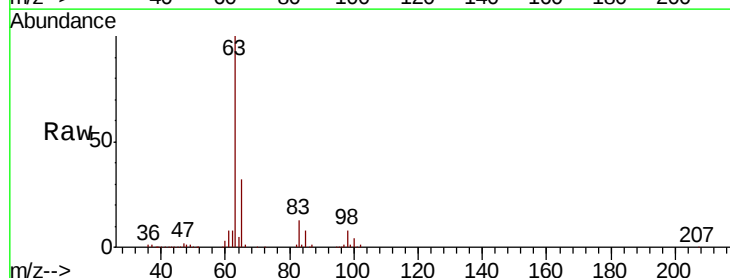
Instrument :
MSVOA_W
ClientSampleId :

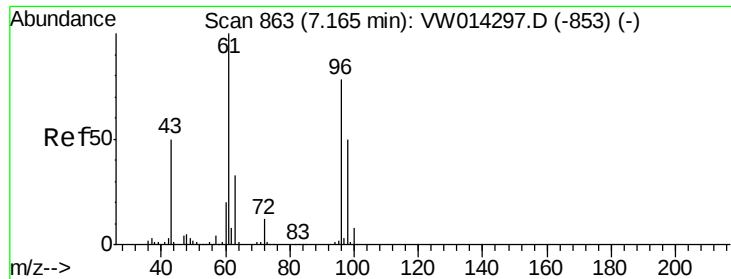
Tot Ion: 96 Resp: 342276
Ion Ratio Lower Upper
96 100
61 138.6 90.6 168.2
98 64.1 42.9 79.7



#19
1,1-Dichloroethane
Concen: 22.032 ug/L
RT: 6.21 min Scan# 707
Delta R.T. 0.01 min
Lab File: VW014317.D
Acq: 11 Dec 2019 21:11

Tgt Ion: 63 Resp: 638390
Ion Ratio Lower Upper
63 100
65 31.7 22.1 41.1
83 12.9 9.0 16.6





#21

2-Butanone

Concen: 40.347 ug/L

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Instrument :

MSVOA_W

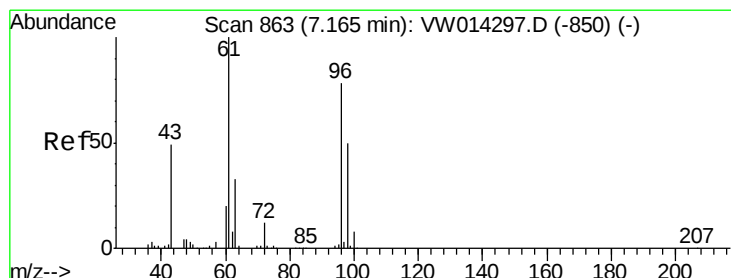
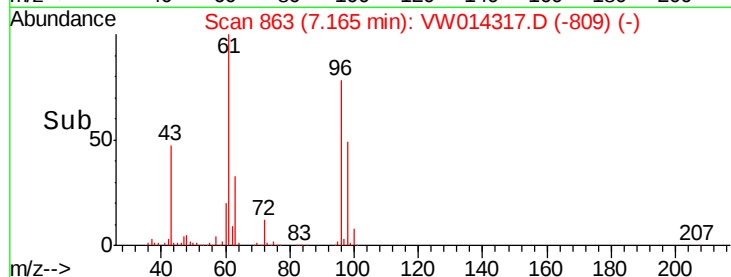
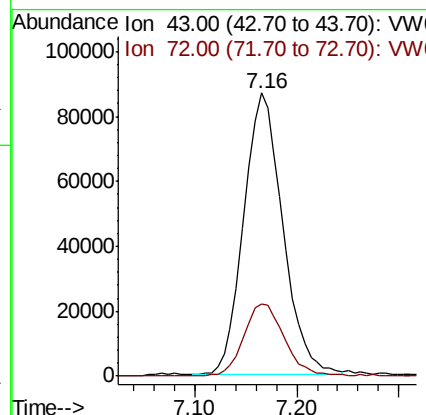
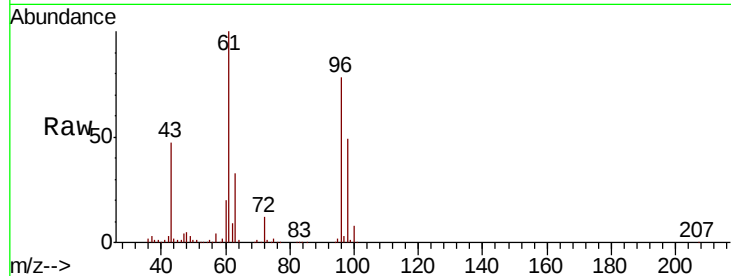
ClientSampleId :

Tot Ion: 43 Resp: 232408

Ion Ratio Lower Upper

43 100

72 26.5 14.1 42.2



#22

cis-1,2-Dichloroethene

Concen: 21.863 ug/L

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

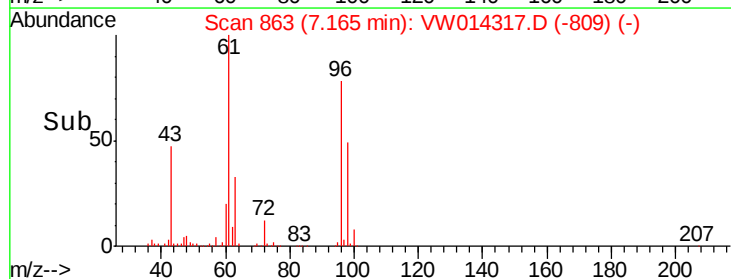
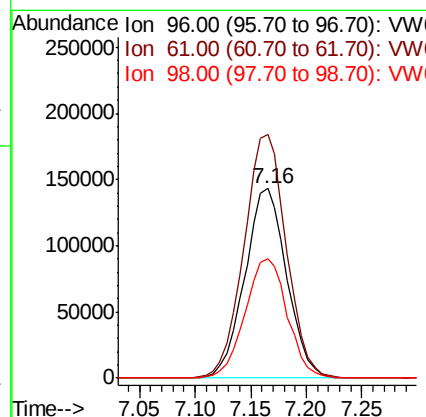
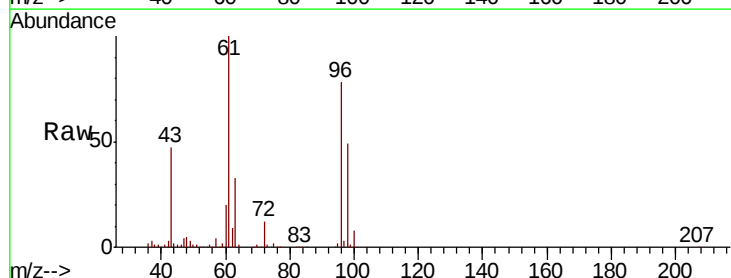
Tgt Ion: 96 Resp: 375178

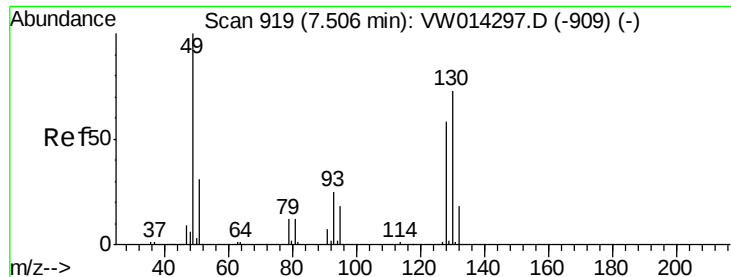
Ion Ratio Lower Upper

96 100

61 128.4 86.9 161.5

98 63.3 45.5 84.5





#23

Bromochloromethane

Concen: 21.607 ug/L

RT: 7.51 min Scan# 919

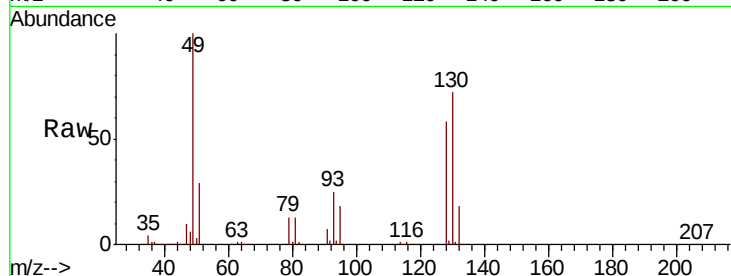
Delta R.T. 0.00 min

Lab File: VW014317.D

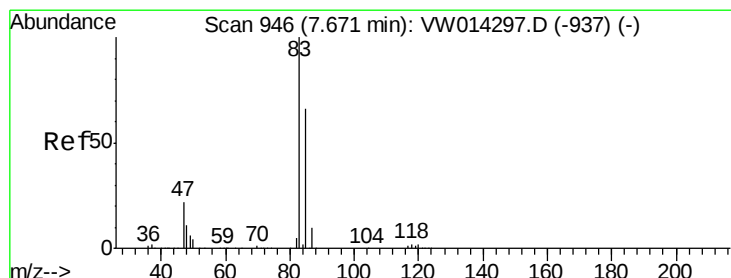
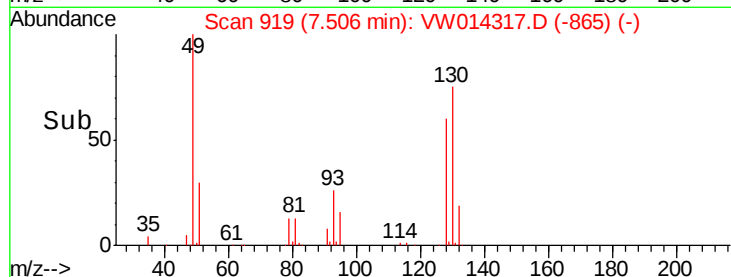
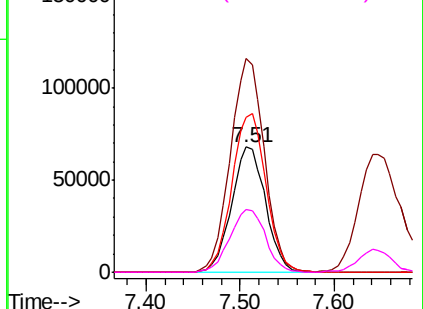
Acq: 11 Dec 2019 21:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	128	Resp:	170555
Ion	Ratio	Lower	Upper
128	100		
49	171.0	95.1	176.5
130	123.8	85.0	158.0
51	50.4	36.7	55.1



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



#25

Chloroform

Concen: 22.400 ug/L

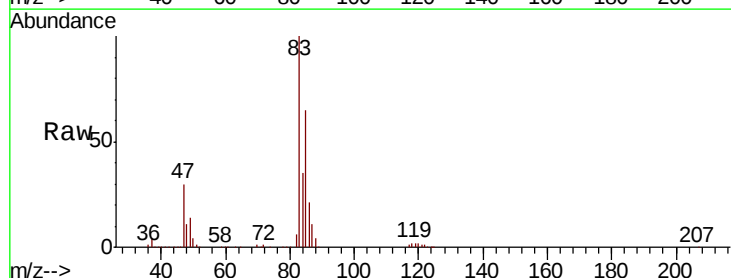
RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

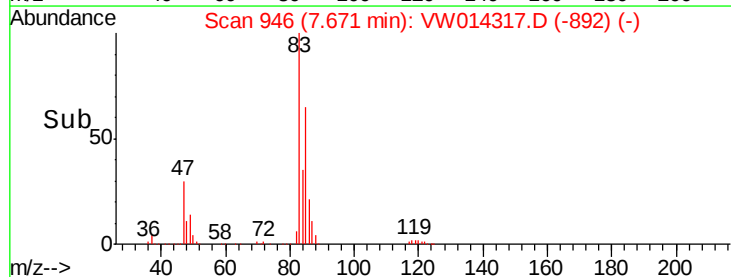
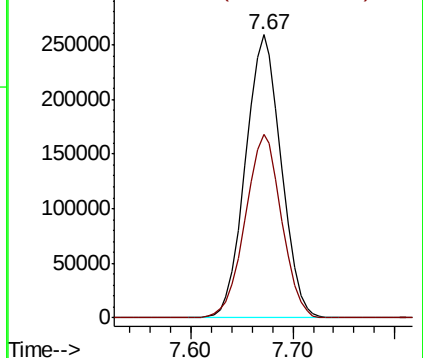
Lab File: VW014317.D

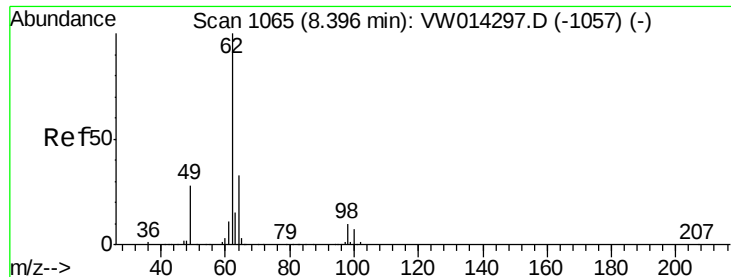
Acq: 11 Dec 2019 21:11

Tgt Ion:	83	Resp:	630703
Ion	Ratio	Lower	Upper
83	100		
85	66.0	46.1	85.7



Abundance Ion 83.00 (82.70 to 83.70): VV
Ion 85.00 (84.70 to 85.70): VV





#27

1,2-Dichloroethane

Concen: 22.477 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Instrument :

MSVOA_W

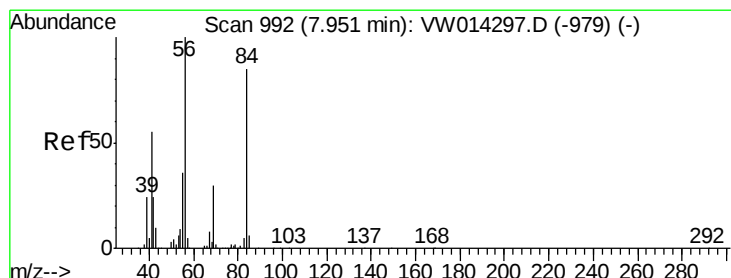
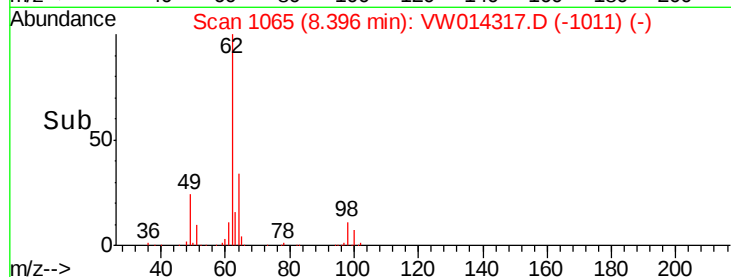
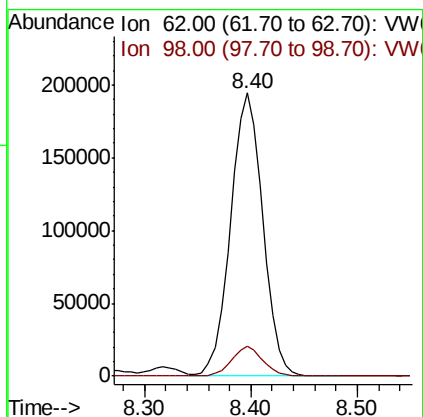
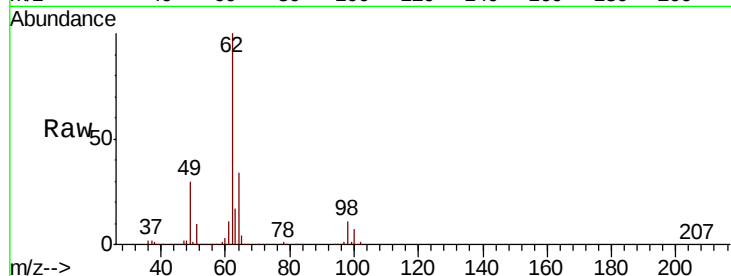
ClientSampleId :

Tot Ion: 62 Resp: 414418

Ion Ratio Lower Upper

62 100

98 10.8 9.3 13.9



#30

Cyclohexane

Concen: 20.985 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

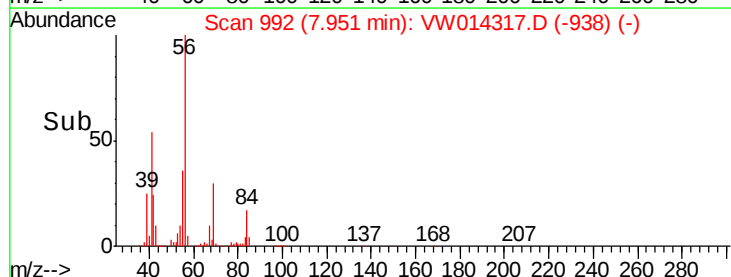
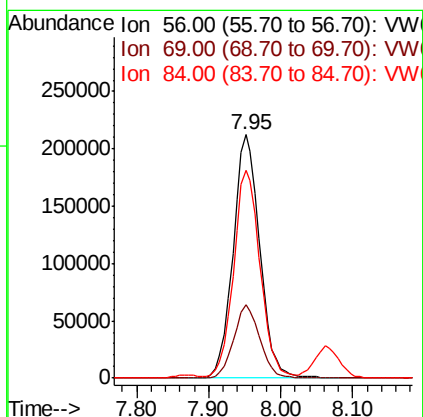
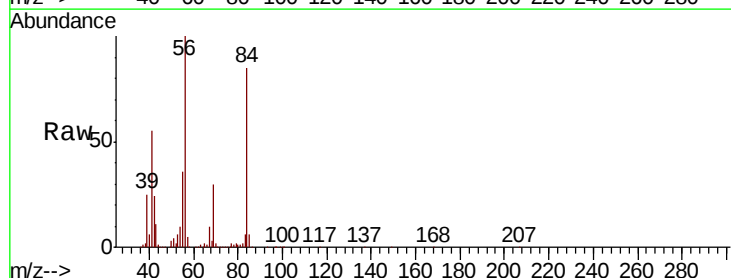
Tgt Ion: 56 Resp: 545284

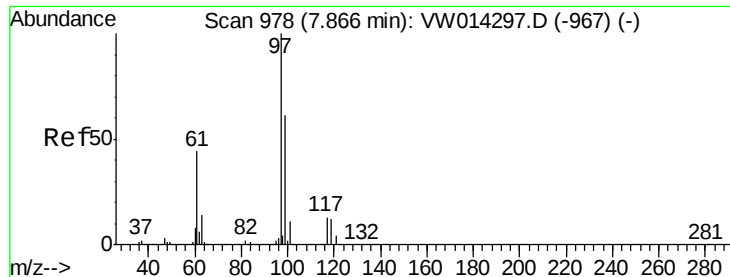
Ion Ratio Lower Upper

56 100

69 29.6 24.6 37.0

84 84.6 70.2 105.2





#31

1,1,1-Trichloroethane

Concen: 22.011 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Instrument :

MSVOA_W

ClientSampled :

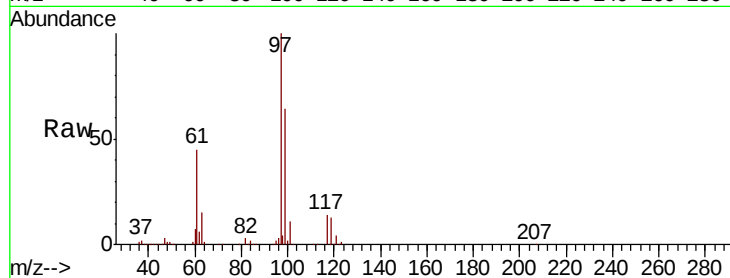
Tot Ion: 97 Resp: 460191

Ion Ratio Lower Upper

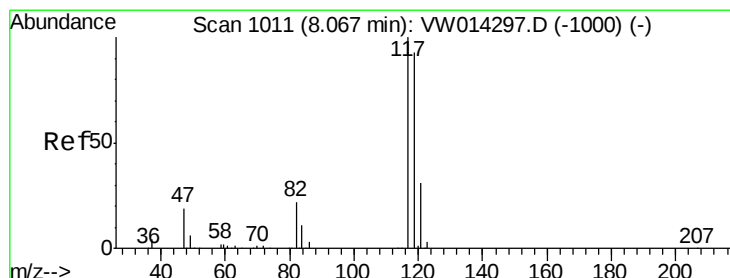
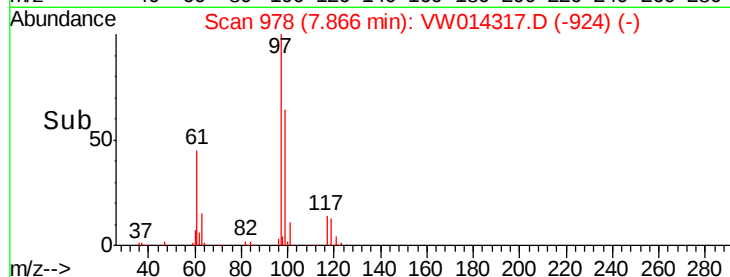
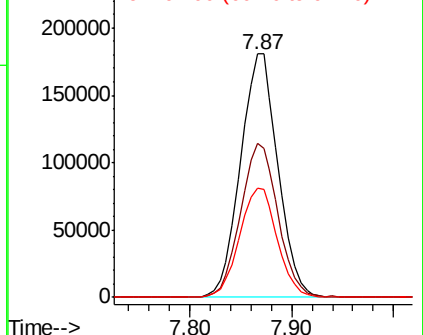
97 100

99 63.0 51.1 76.7

61 45.1 32.8 49.2



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: 21.325 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW014317.D

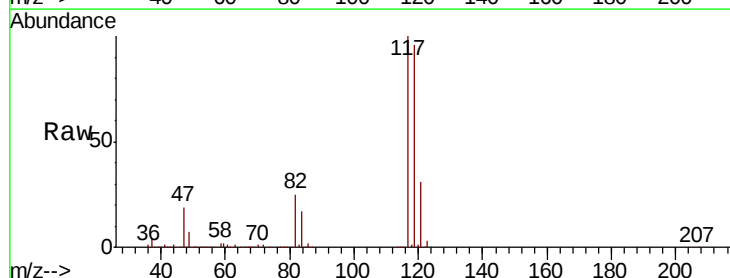
Acq: 11 Dec 2019 21:11

Tgt Ion: 117 Resp: 423034

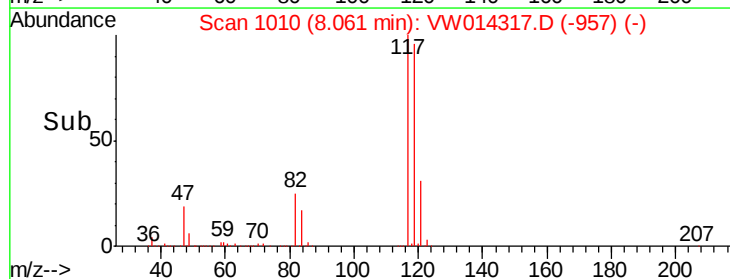
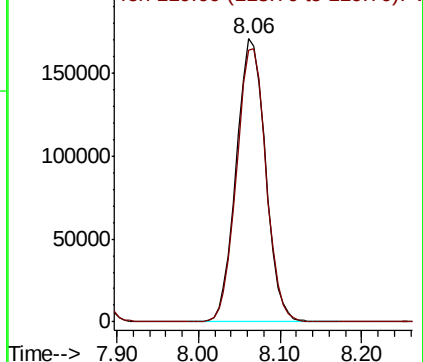
Ion Ratio Lower Upper

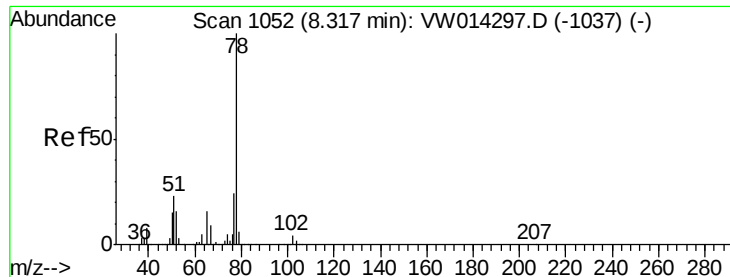
117 100

119 97.4 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 22.127 ug/L

RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014317.D

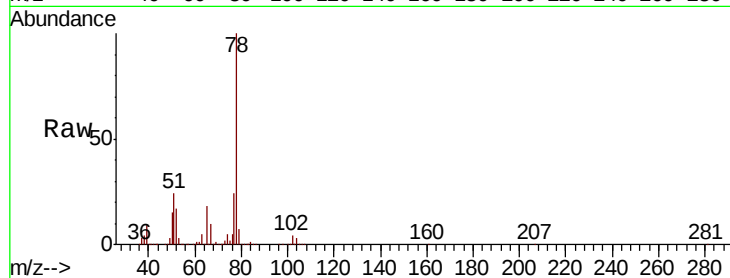
Acq: 11 Dec 2019 21:11

Instrument :

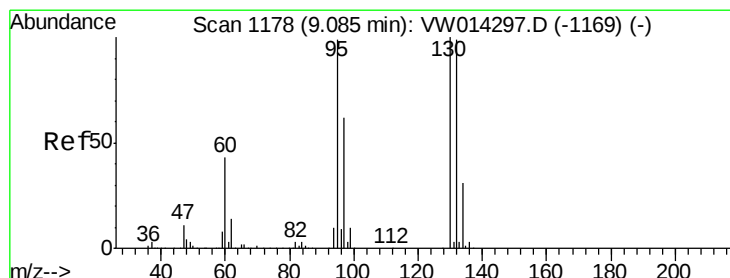
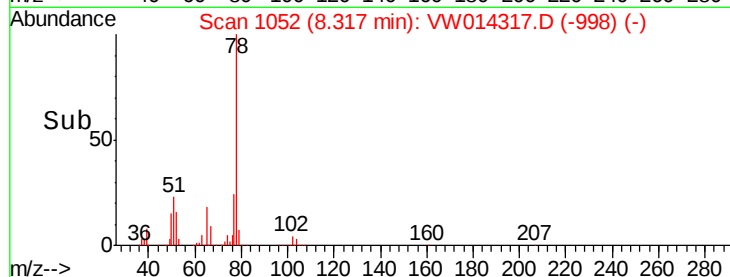
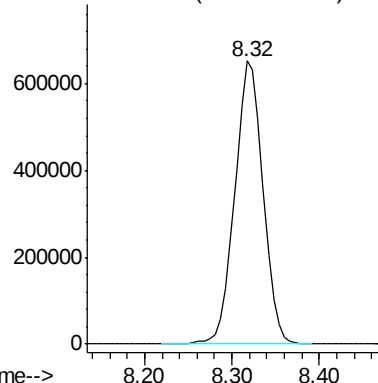
MSVOA_W

ClientSampled :

Tgt Ion: 78 Resp: 1458529



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 21.186 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Tgt Ion: 95 Resp: 357313

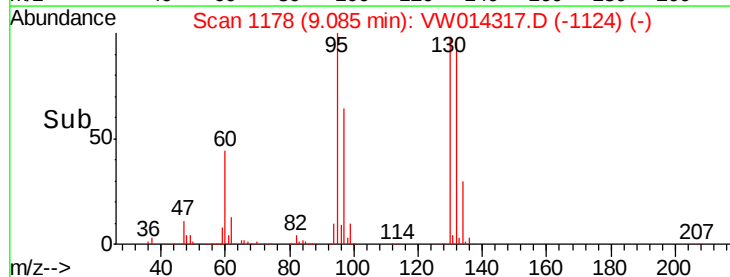
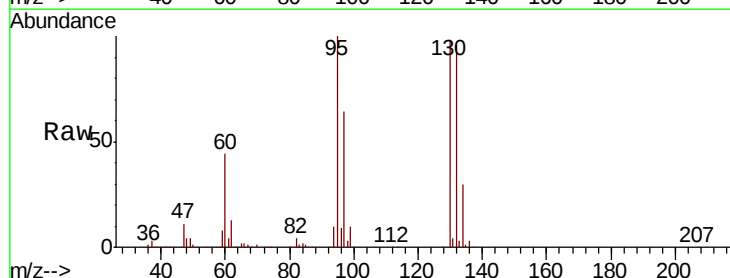
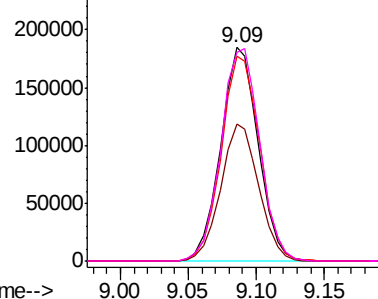
Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.1	83.9
132	98.4	73.7	136.9
130	102.9	76.6	142.2

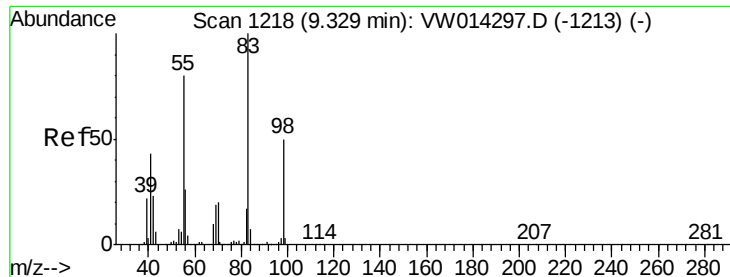
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

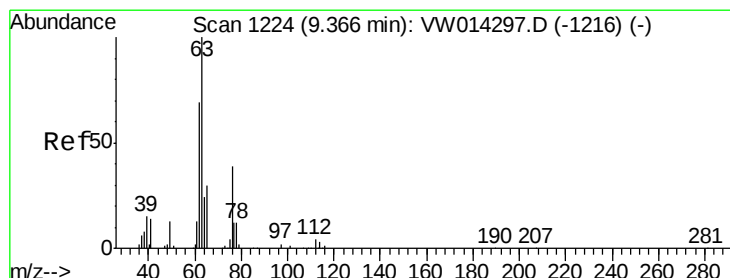
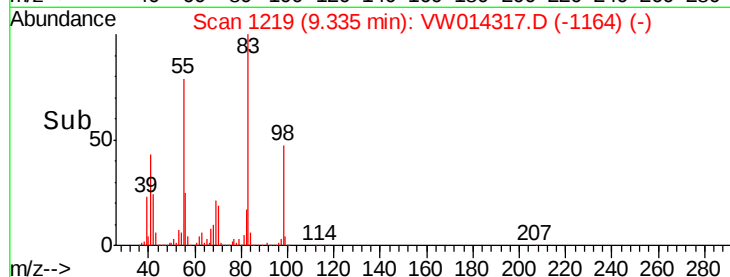
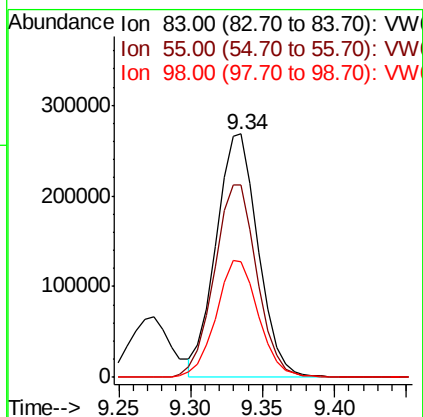
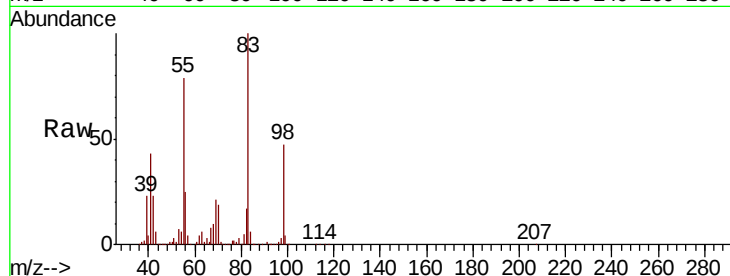




#36
Methvlcvclohexane
Concen: 19.352 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW014317.D
Acq: 11 Dec 2019 21:11

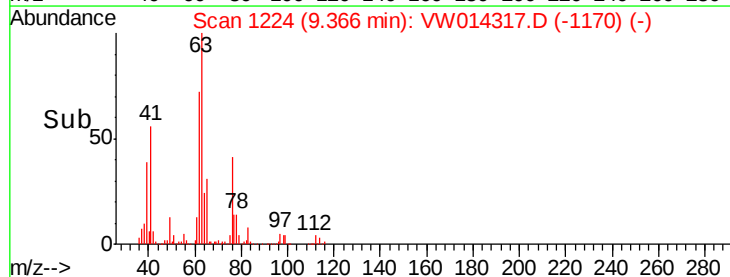
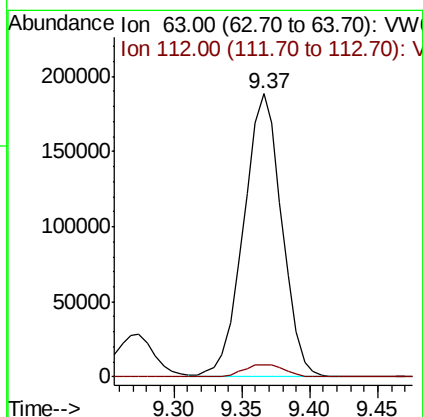
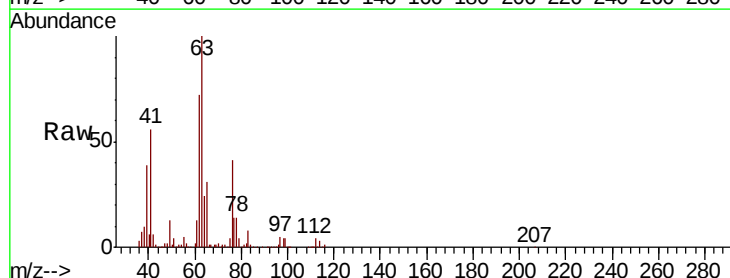
Instrument :
MSVOA_W
ClientSampleId :

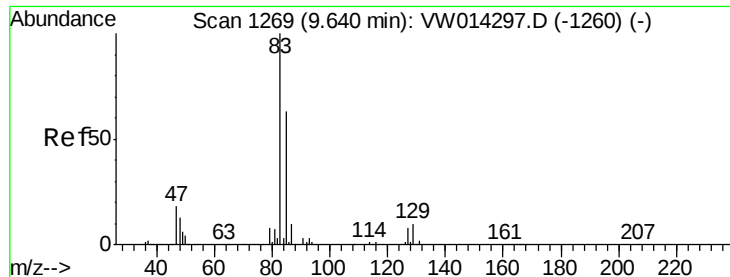
Tot Ion: 83 Resp: 548440
Ion Ratio Lower Upper
83 100
55 80.0 59.8 89.8
98 48.6 39.5 59.3



#40
1,2-Dichloropropane
Concen: 21.933 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW014317.D
Acq: 11 Dec 2019 21:11

Tgt Ion: 63 Resp: 371426
Ion Ratio Lower Upper
63 100
112 4.8 3.9 5.9





#41

Bromodichloromethane

Concen: 21.836 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

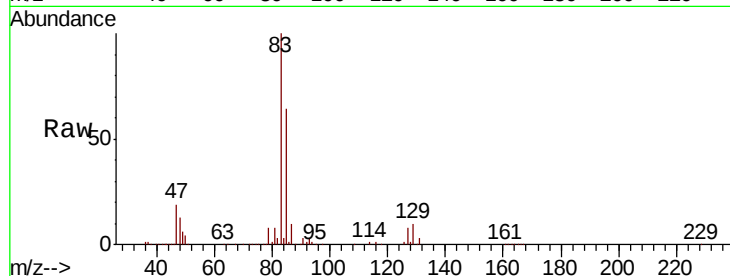
Tot Ion: 83 Resp: 449388

Ion Ratio Lower Upper

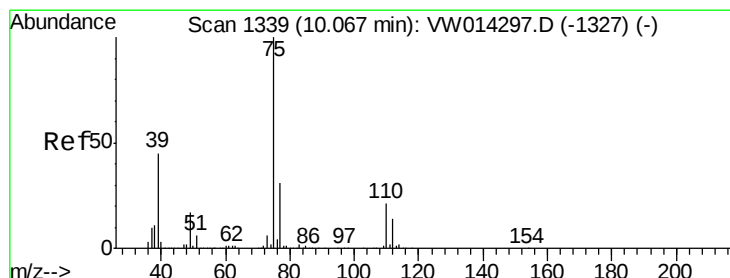
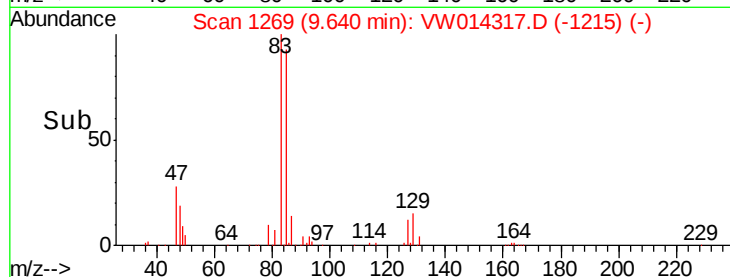
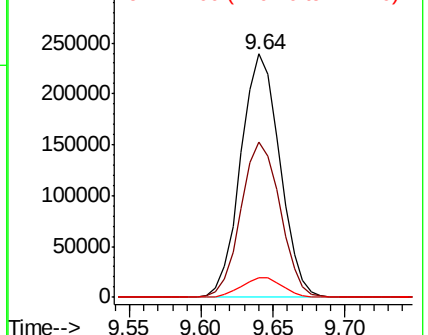
83 100

85 63.5 45.1 83.7

127 7.9 7.4 11.0



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): VW



#42

cis-1,3-Dichloropropene

Concen: 22.277 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW014317.D

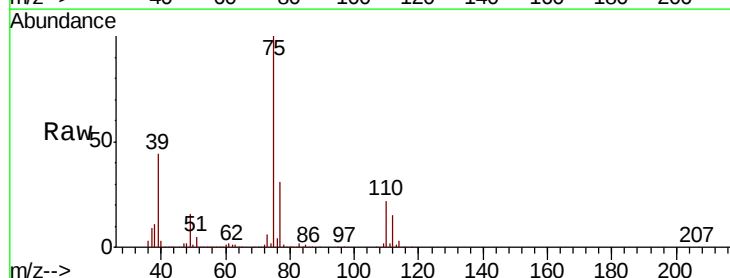
Acq: 11 Dec 2019 21:11

Tgt Ion: 75 Resp: 564956

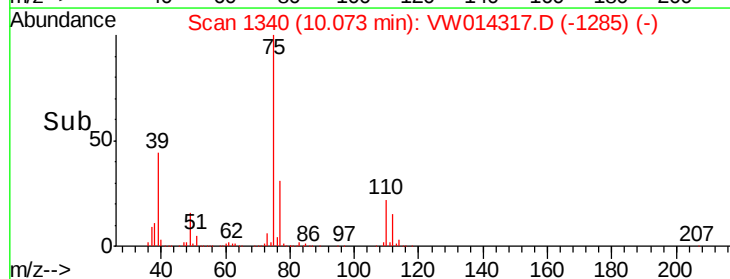
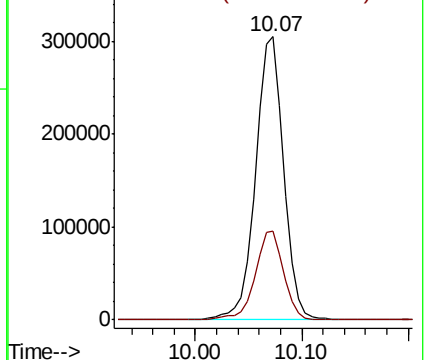
Ion Ratio Lower Upper

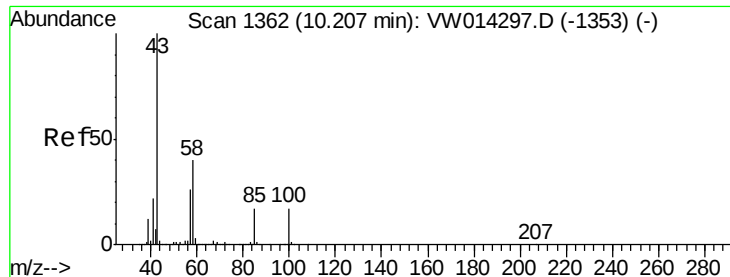
75 100

77 31.3 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 77.00 (76.70 to 77.70): VW

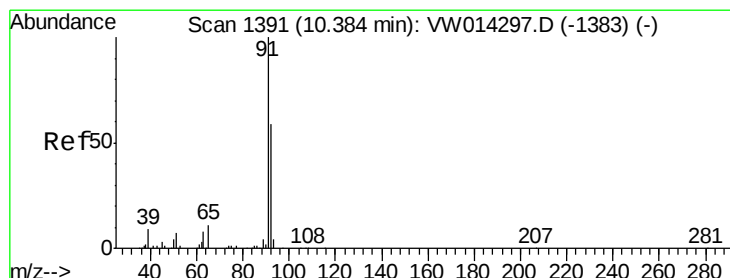
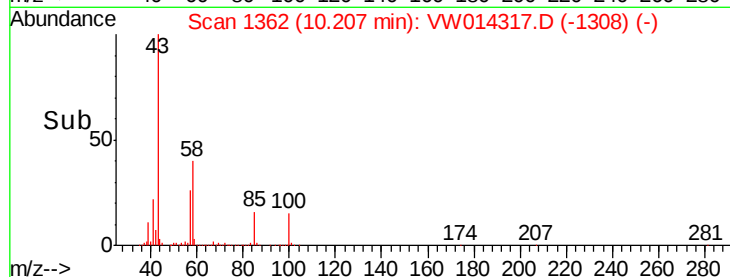
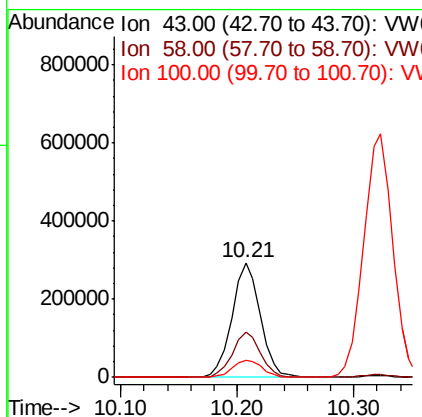
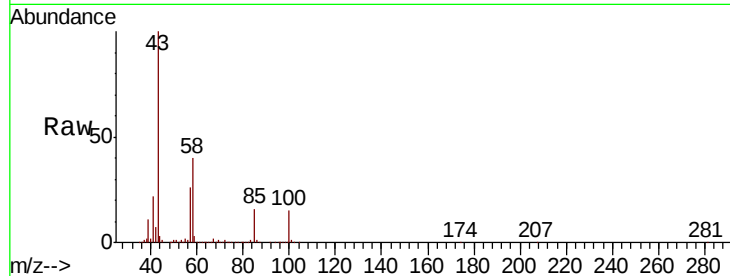




#43
4-Methyl-2-pentanone
Concen: 44.517 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW014317.D
Acq: 11 Dec 2019 21:11

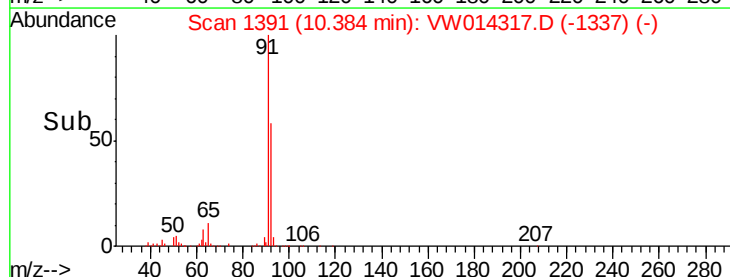
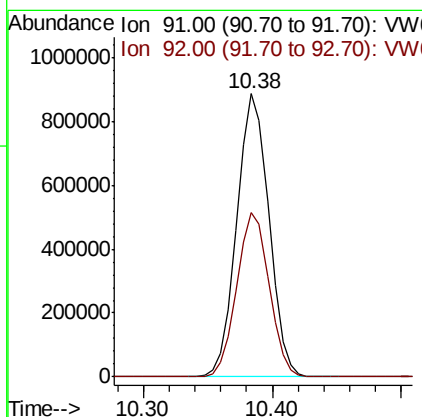
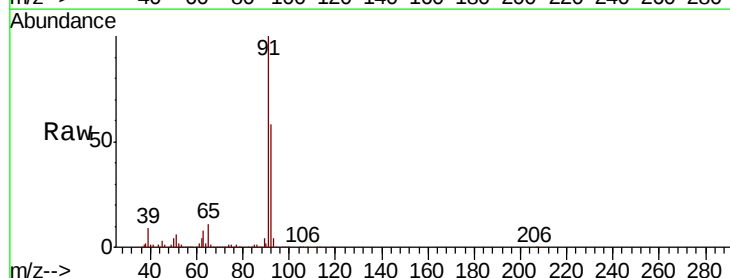
Instrument :
MSVOA_W
ClientSampled :

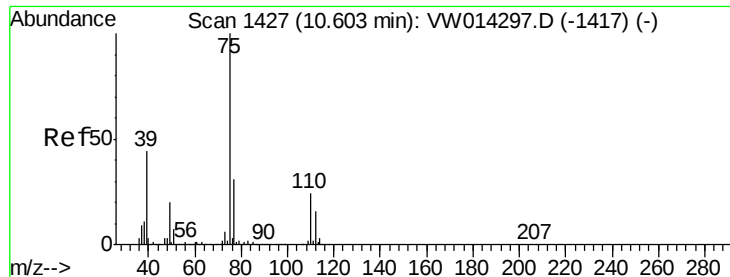
Tot Ion: 43 Resp: 497113
Ion Ratio Lower Upper
43 100
58 39.5 32.6 49.0
100 15.6 13.8 20.8



#44
Toluene
Concen: 22.177 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW014317.D
Acq: 11 Dec 2019 21:11

Tgt Ion: 91 Resp: 1532541
Ion Ratio Lower Upper
91 100
92 57.9 40.7 75.7





#45

trans-1,3-Dichloropropene

Concen: 21.919 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Instrument :

MSVOA_W

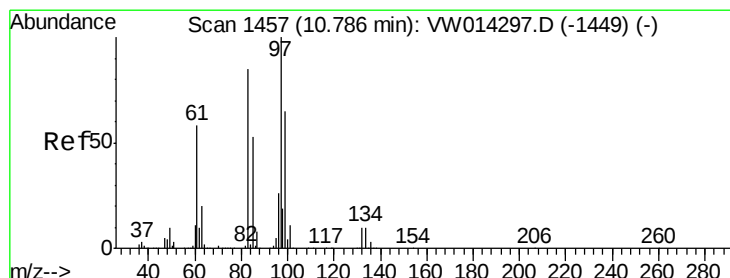
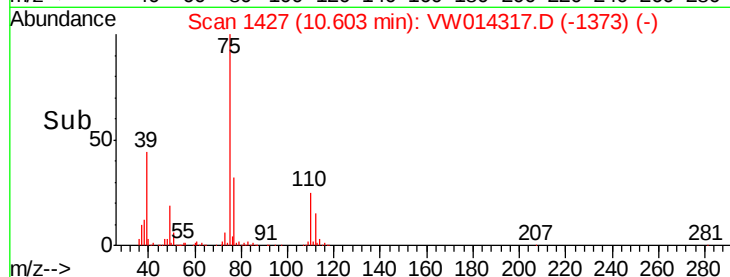
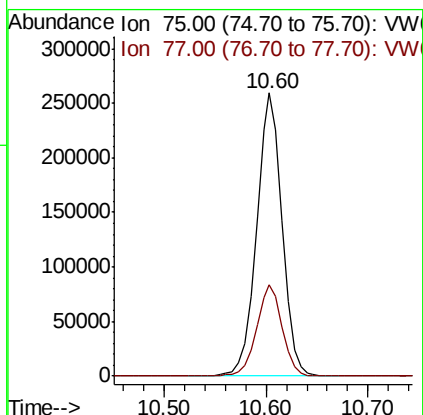
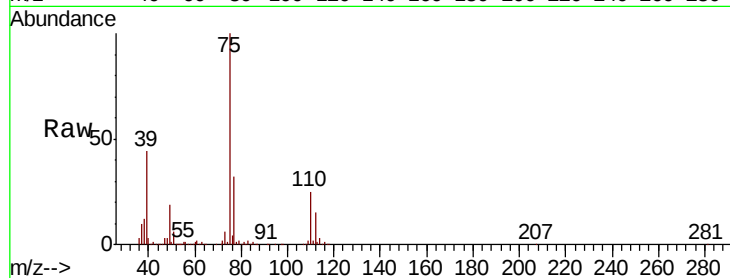
ClientSampleId :

Tot Ion: 75 Resp: 449960

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6



#46

1,1,2-Trichloroethane

Concen: 21.415 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Tgt Ion: 97 Resp: 271753

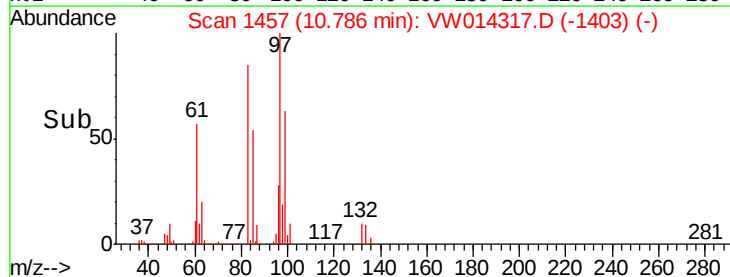
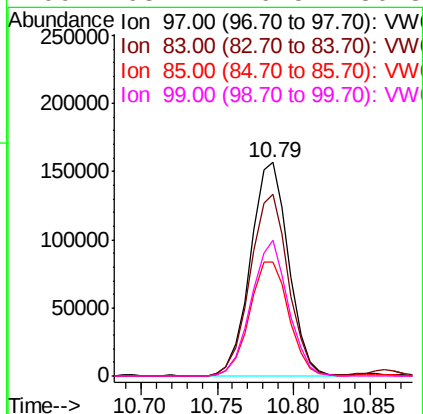
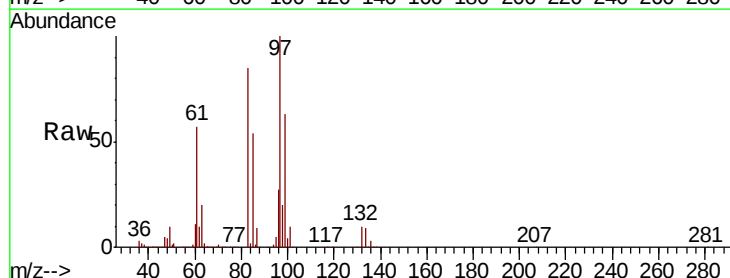
Ion Ratio Lower Upper

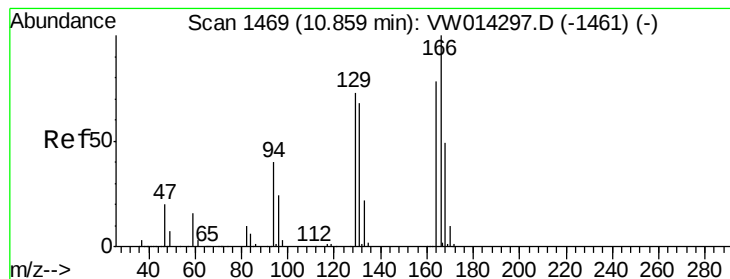
97 100

83 85.0 58.9 109.5

85 53.5 38.1 70.9

99 63.4 46.5 86.3





#47

Tetrachloroethene

Concen: 20.375 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 286414

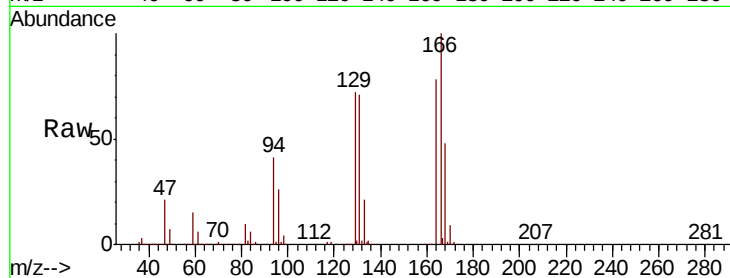
Ion Ratio Lower Upper

164 100

129 92.7 60.6 112.6

131 90.8 59.1 109.7

166 128.7 90.8 168.6

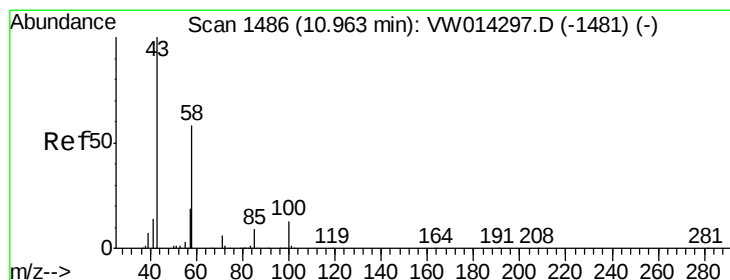
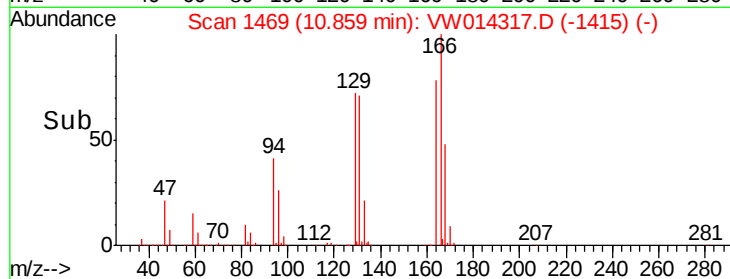
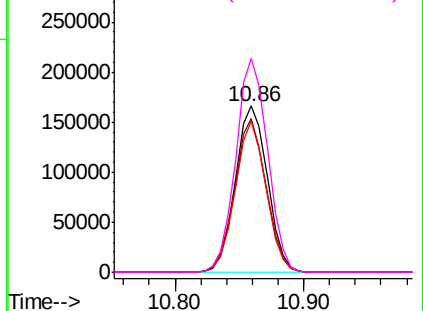


Abundance Ion 164.00 (163.70 to 164.70): V

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: 43.552 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Tgt Ion: 43 Resp: 346243

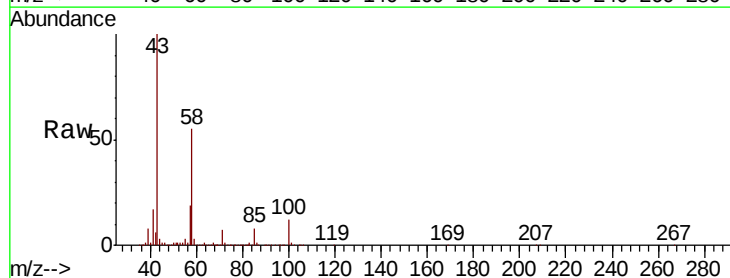
Ion Ratio Lower Upper

43 100

58 56.3 44.4 66.6

57 18.8 16.5 24.7

100 12.5 11.1 16.7

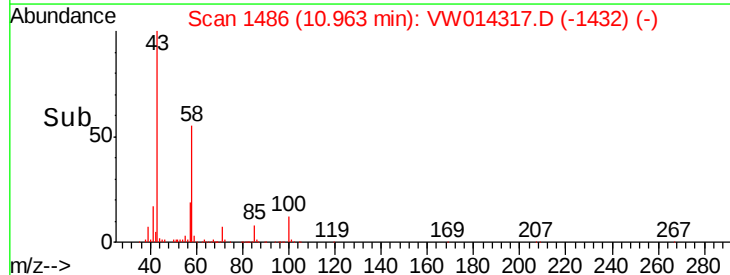
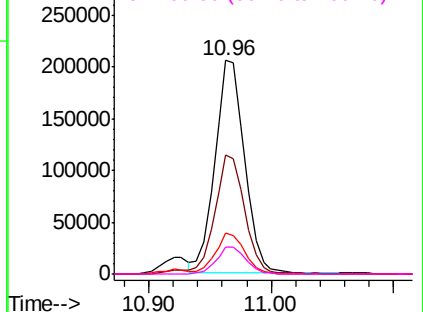


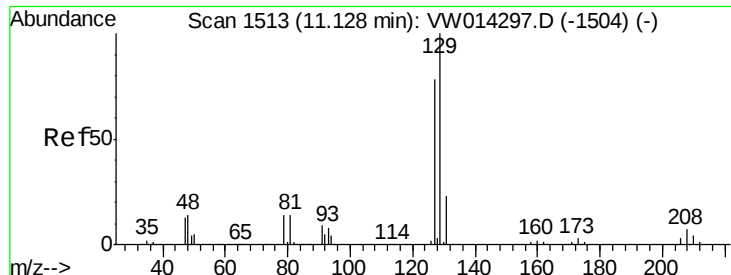
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 21.509 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Instrument :

MSVOA_W

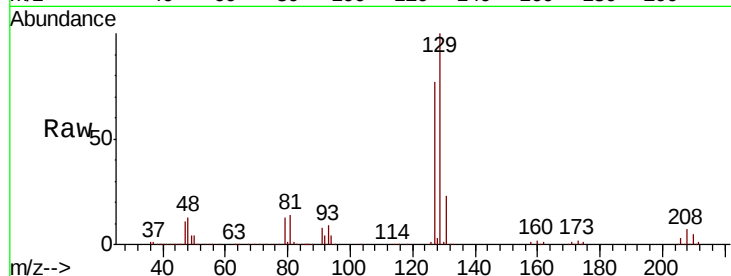
ClientSampleId :

Tot Ion:129 Resp: 306326

Ion Ratio Lower Upper

129 100

127 77.1 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

200000

150000

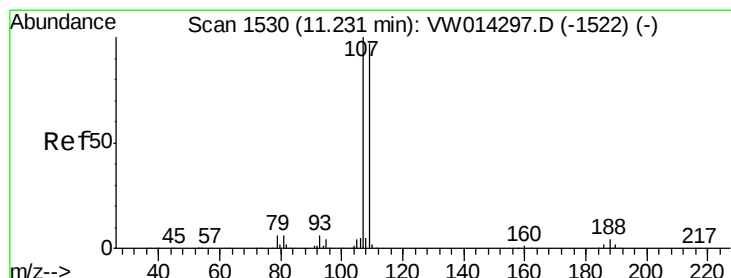
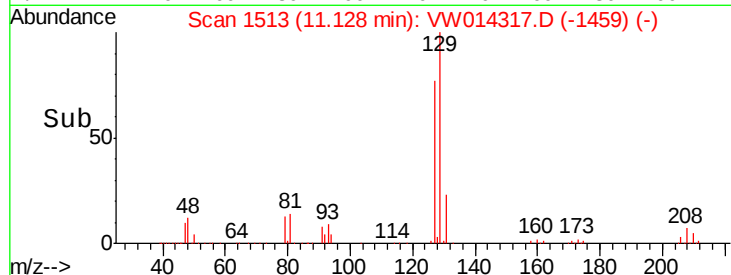
100000

50000

0

11.05 11.10 11.15 11.20

Time-->



#51

1,2-Dibromoethane

Concen: 20.938 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

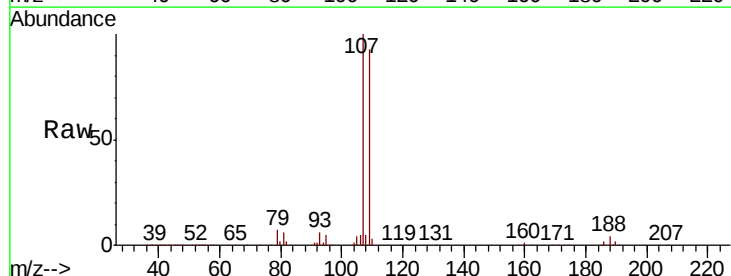
Tgt Ion:107 Resp: 251669

Ion Ratio Lower Upper

107 100

109 93.1 64.6 120.0

188 4.3 3.9 5.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

200000

150000

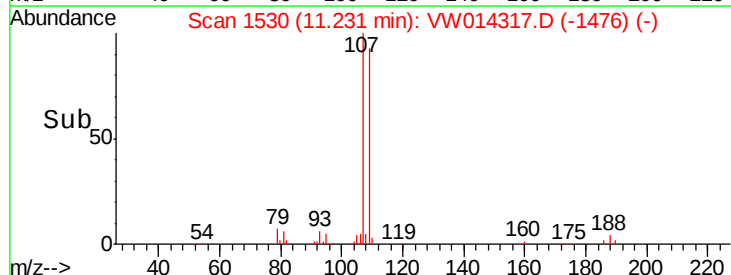
100000

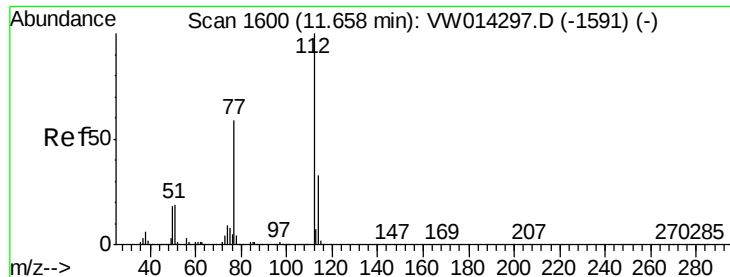
50000

0

11.20 11.30

Time-->





#52

Chlorobenzene

Concen: 21.281 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Instrument :

MSVOA_W

ClientSampleId :

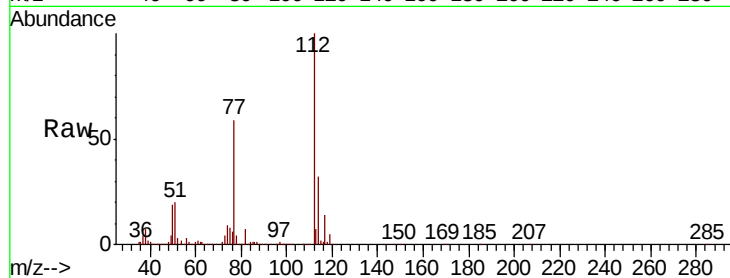
Tot Ion: 112 Resp: 950481

Ion Ratio Lower Upper

112 100

77 59.1 42.2 63.4

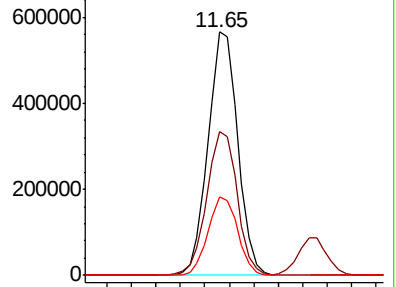
114 32.5 22.5 41.9



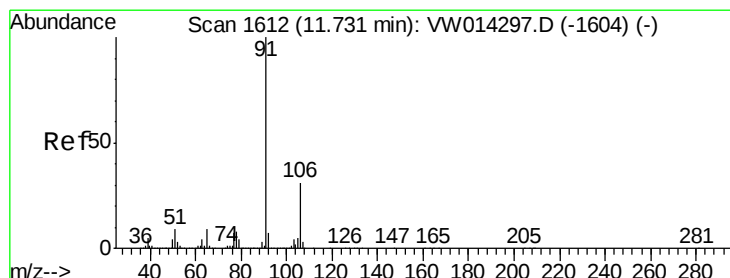
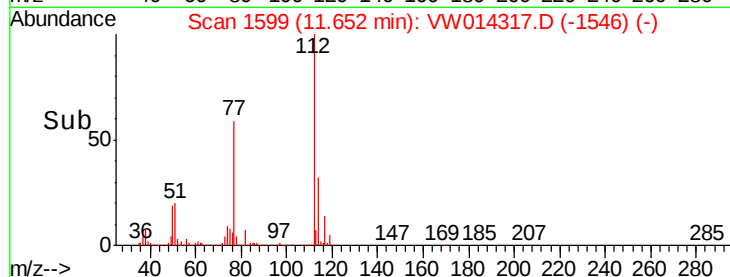
Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



Time-->



#53

Ethylbenzene

Concen: 21.895 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW014317.D

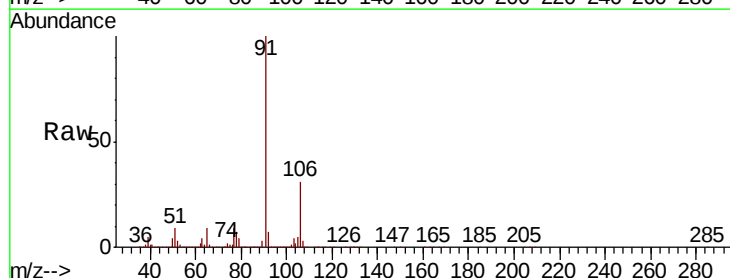
Acq: 11 Dec 2019 21:11

Tgt Ion: 91 Resp: 1641799

Ion Ratio Lower Upper

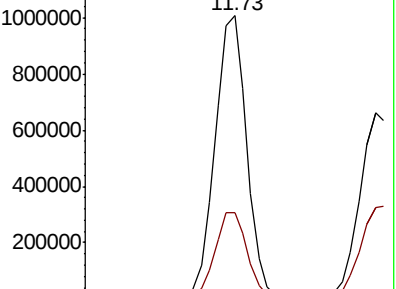
91 100

106 30.7 22.3 41.5

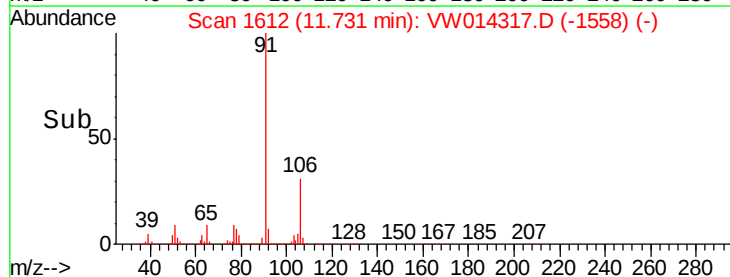


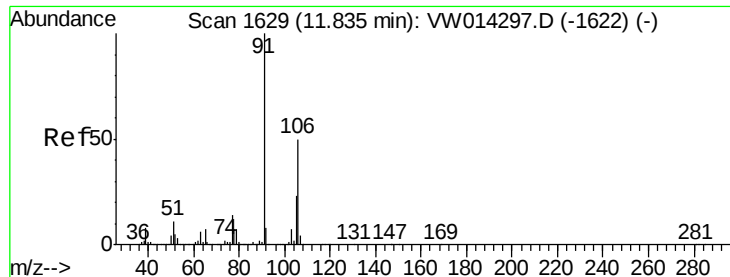
Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



Time-->





#54

m,p-Xylene

Concen: 21.631 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Instrument :

MSVOA_W

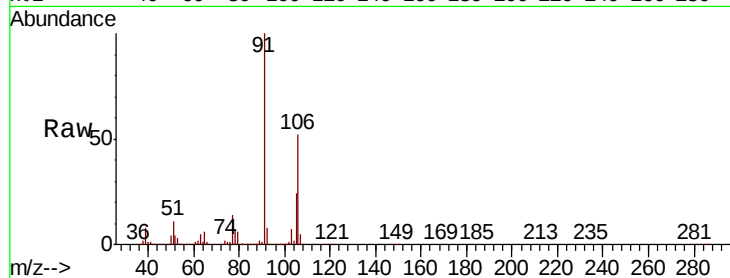
ClientSampleId :

Tot Ion:106 Resp: 623942

Ion Ratio Lower Upper

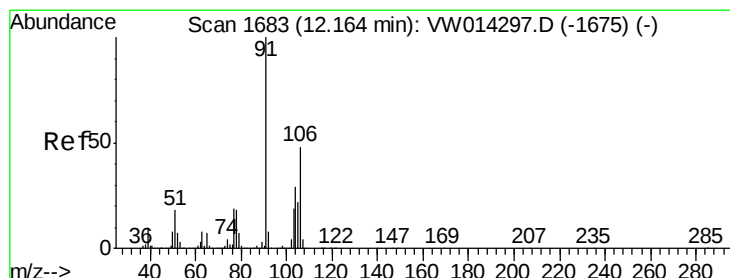
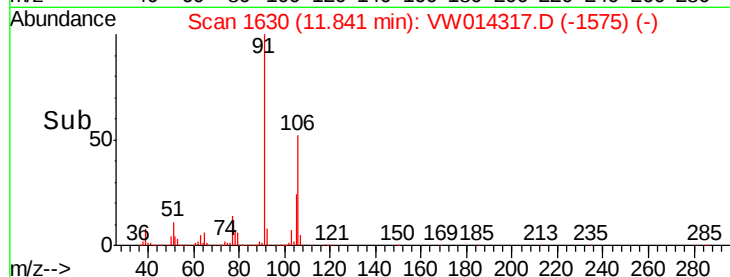
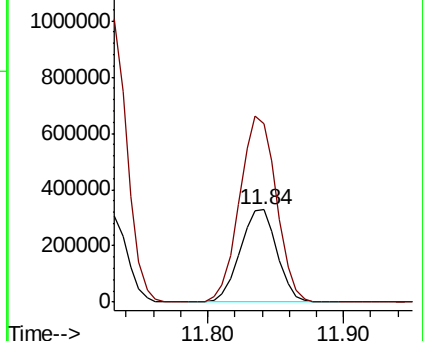
106 100

91 194.1 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 21.958 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014317.D

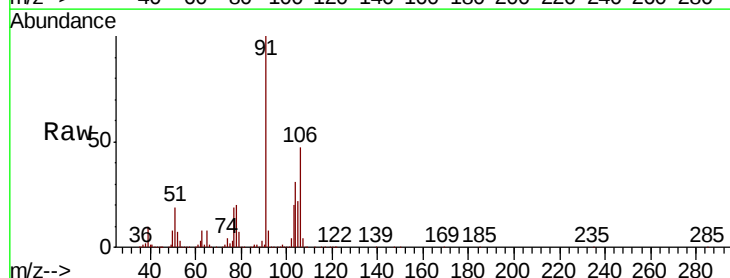
Acq: 11 Dec 2019 21:11

Tgt Ion:106 Resp: 600757

Ion Ratio Lower Upper

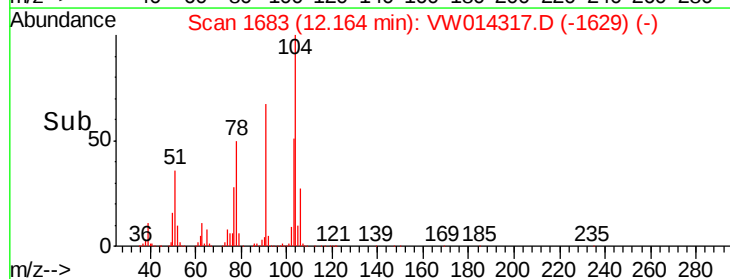
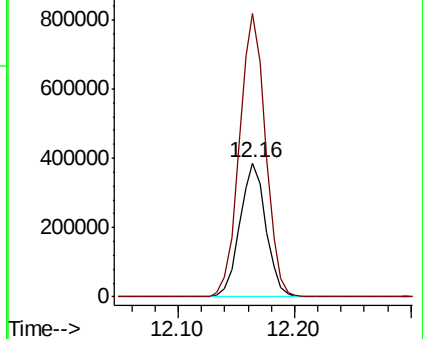
106 100

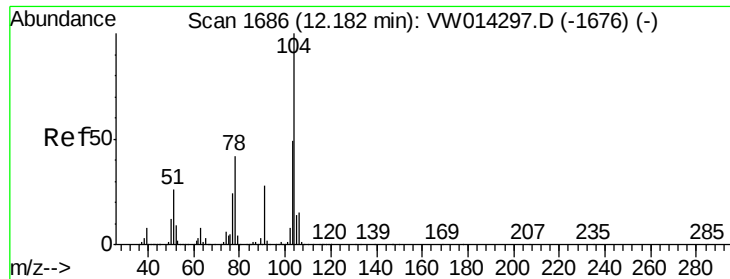
91 210.9 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 22.620 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Instrument :

MSVOA_W

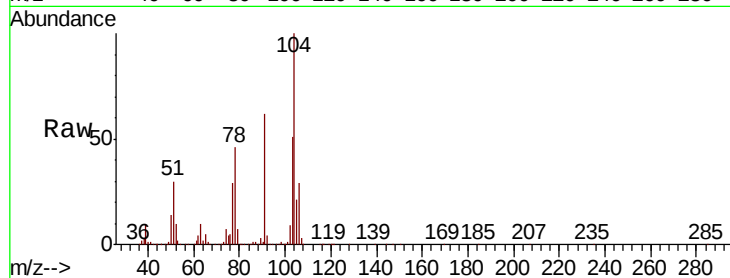
ClientSampleId :

Tot Ion:104 Resp: 1058736

Ion Ratio Lower Upper

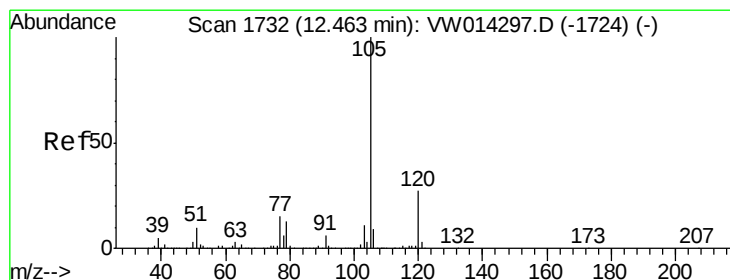
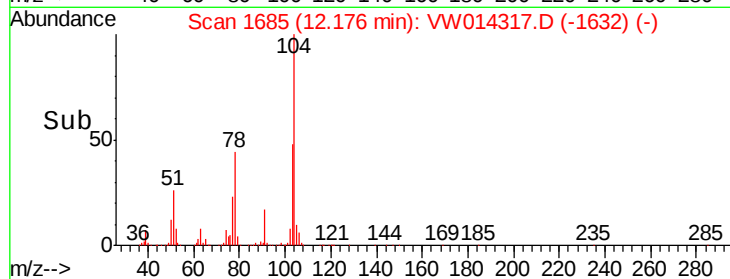
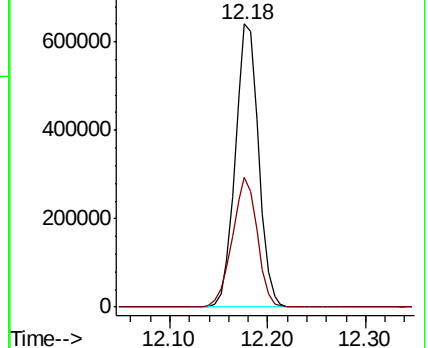
104 100

78 45.9 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 21.428 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

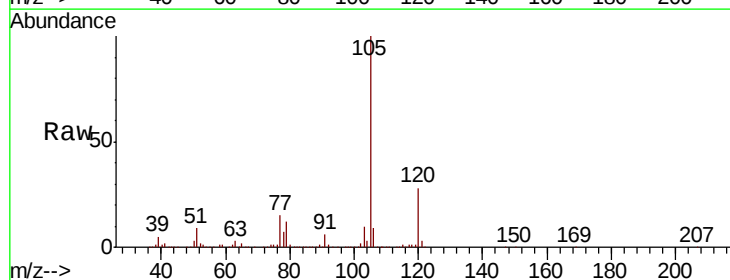
Tgt Ion:105 Resp: 1522010

Ion Ratio Lower Upper

105 100

120 26.5 21.6 32.4

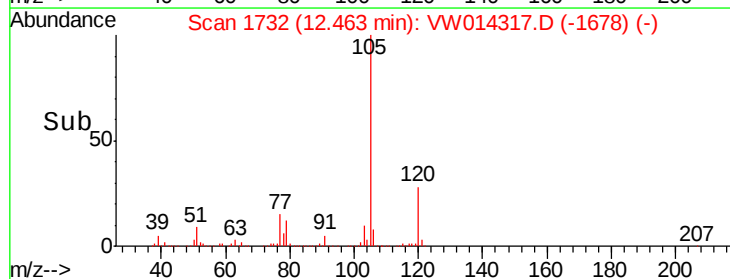
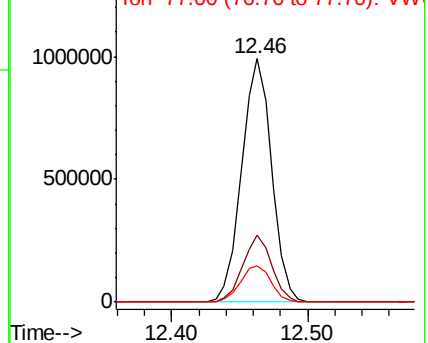
77 15.3 11.6 17.4

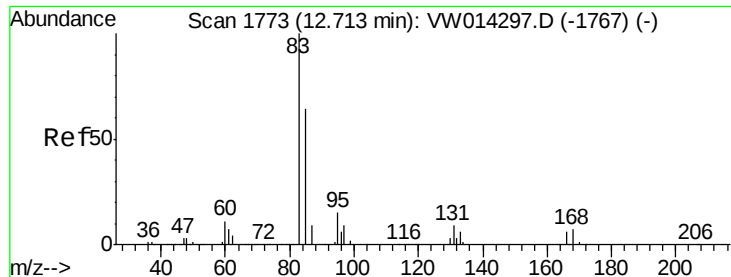


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 21.371 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014317.D

Acq: 11 Dec 2019 21:11

Instrument :

MSVOA_W

ClientSampled :

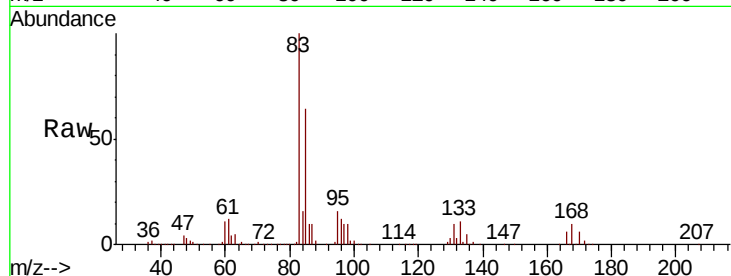
Tot Ion: 83 Resp: 336602

Ion Ratio Lower Upper

83 100

85 64.0 43.7 81.1

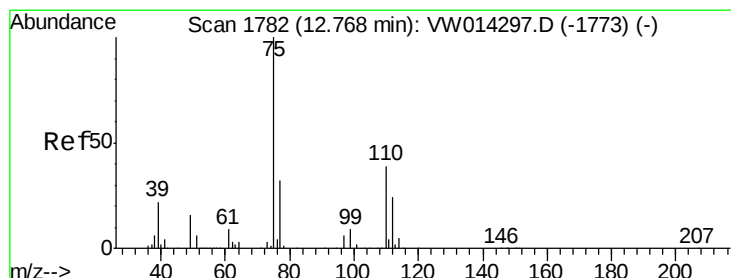
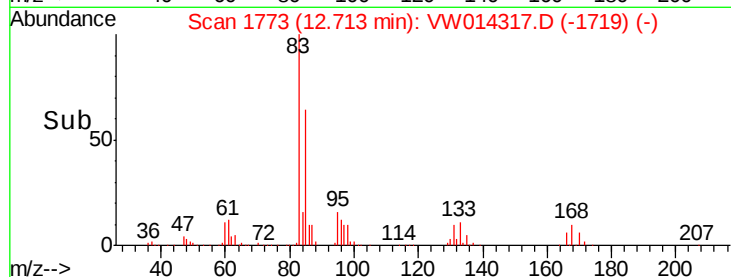
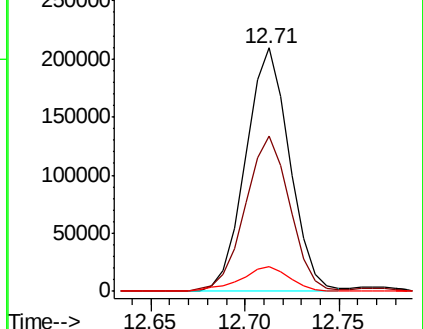
131 10.1 8.2 12.2



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): VW



#59

1,2,3-Trichloropropane

Concen: 21.260 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014317.D

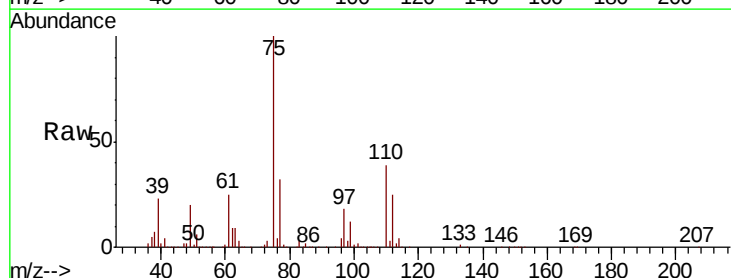
Acq: 11 Dec 2019 21:11

Tgt Ion: 75 Resp: 248819

Ion Ratio Lower Upper

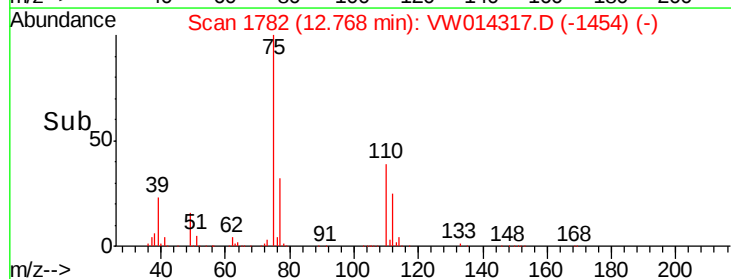
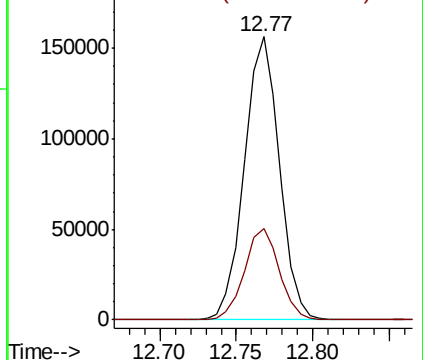
75 100

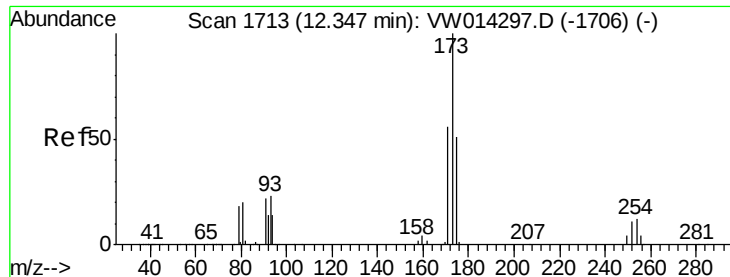
77 31.9 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

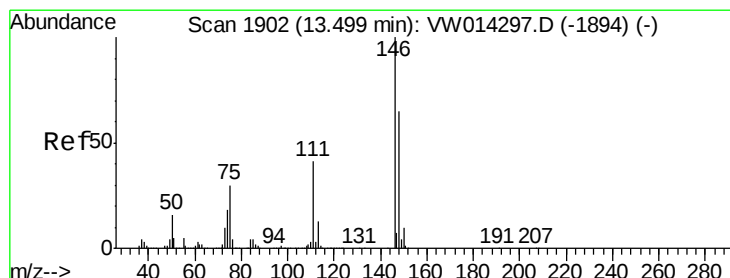
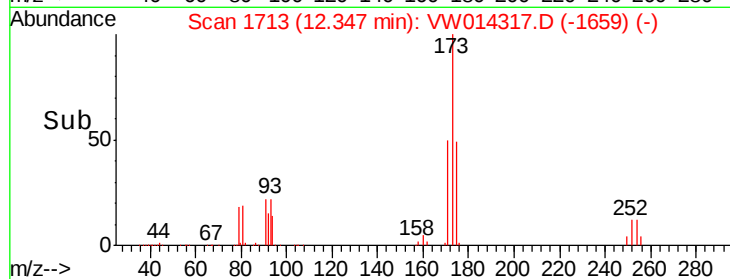
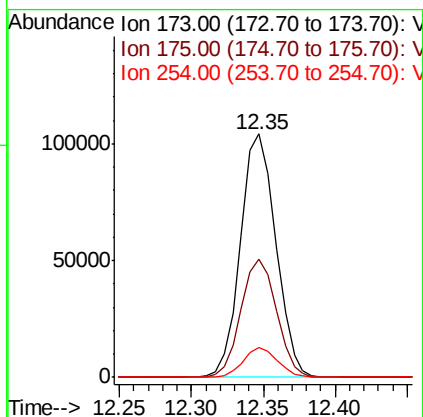
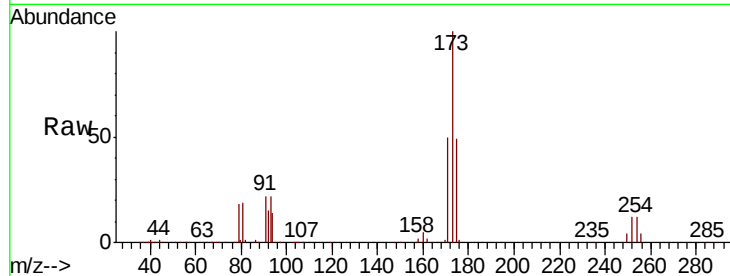




#62
Bromoform
Concen: 20.060 ug/L
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW014317.D
Acq: 11 Dec 2019 21:11

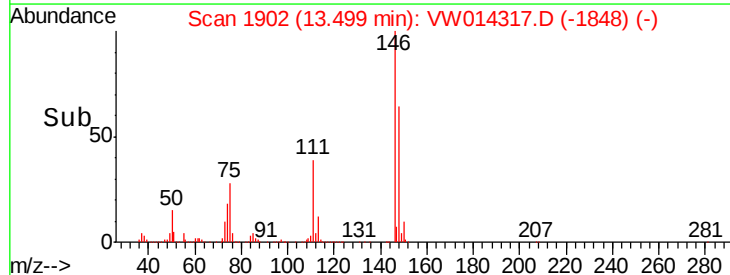
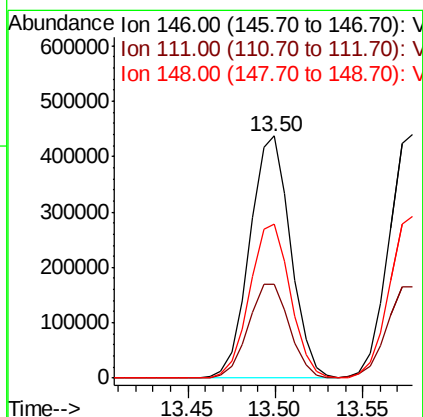
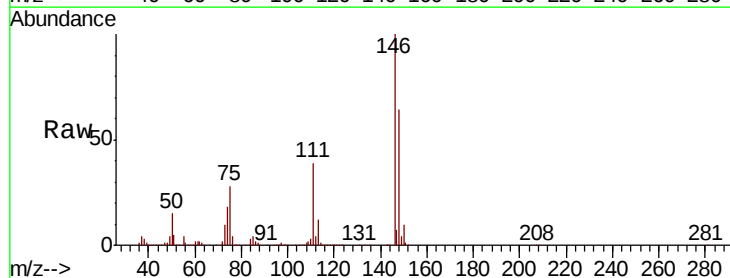
Instrument :
MSVOA_W
ClientSampled :

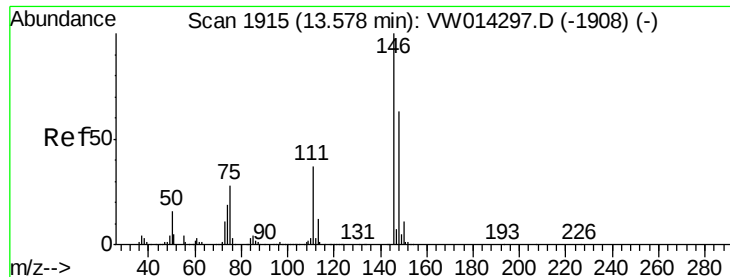
Tot Ion:173 Resp: 177441
Ion Ratio Lower Upper
173 100
175 48.8 38.8 58.2
254 11.7 9.4 14.0



#63
1,3-Dichlorobenzene
Concen: 20.386 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW014317.D
Acq: 11 Dec 2019 21:11

Tgt Ion:146 Resp: 714128
Ion Ratio Lower Upper
146 100
111 38.6 26.0 48.2
148 63.7 44.7 82.9

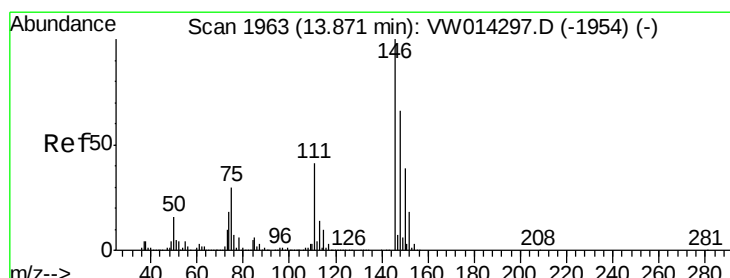
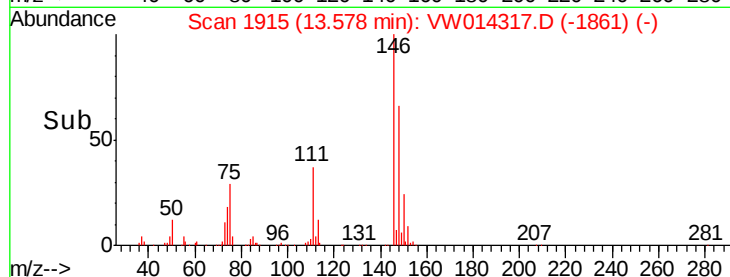
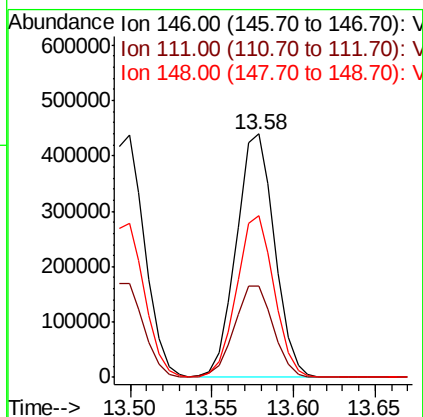
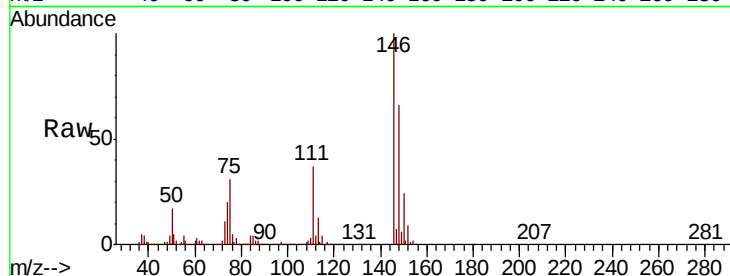




#64
1,4-Dichlorobenzene
Concen: 20.209 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW014317.D
Acq: 11 Dec 2019 21:11

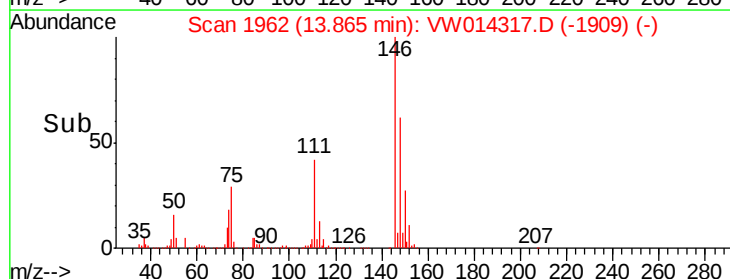
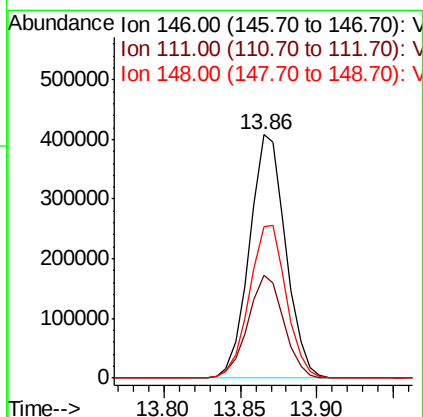
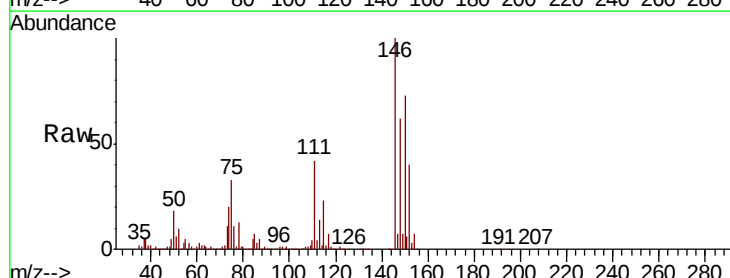
Instrument :
MSVOA_W
ClientSampled :

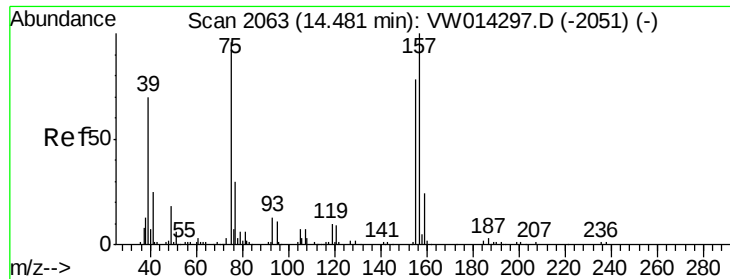
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	24.9	46.3
148	66.5	43.9	81.5



#65
1,2-Dichlorobenzene
Concen: 20.546 ug/L
RT: 13.86 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VW014317.D
Acq: 11 Dec 2019 21:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	30.5	45.7
148	62.3	49.4	74.2

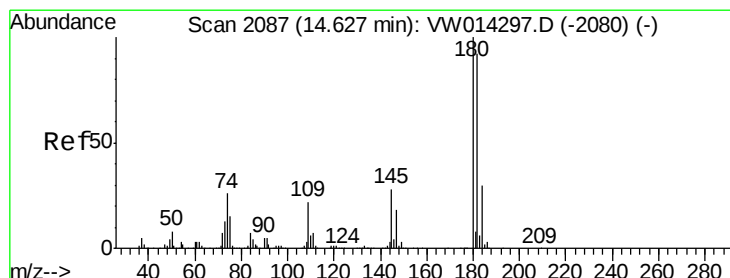
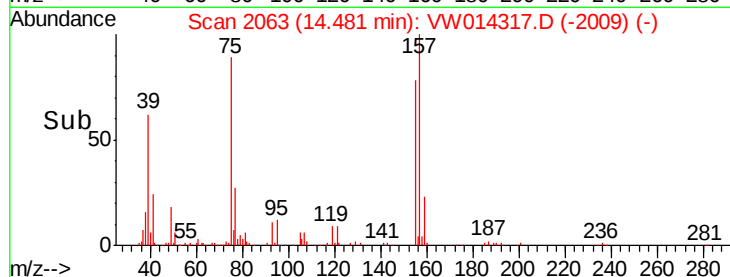
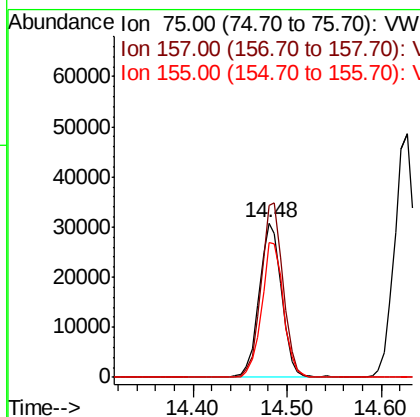
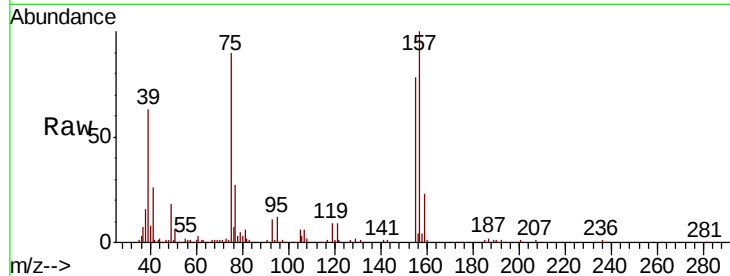




#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.634 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014317.D
 Acq: 11 Dec 2019 21:11

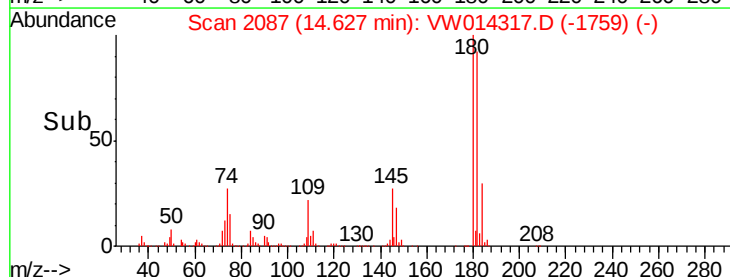
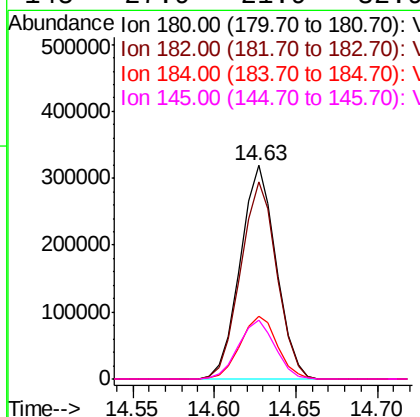
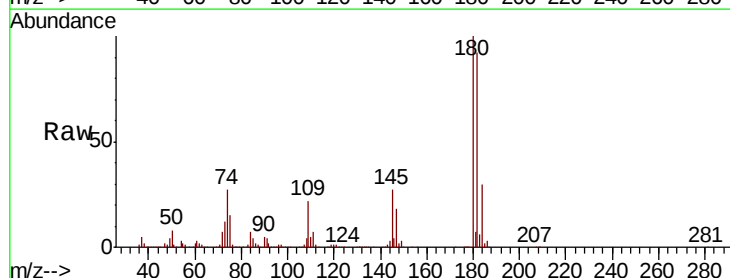
Instrument :
 MSVOA_W
 ClientSampleId :

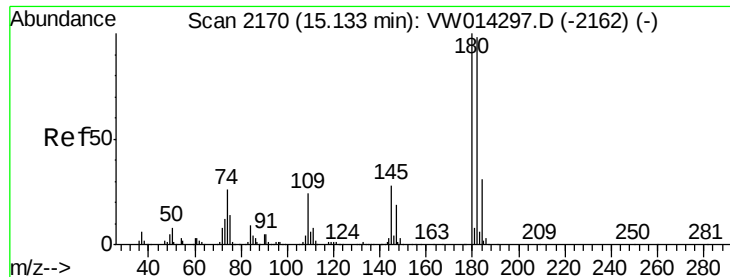
Tot Ion: 75 Resp: 51853
 Ion Ratio Lower Upper
 75 100
 157 111.5 96.9 145.3
 155 87.4 82.9 124.3



#67
 1,3,5-Trichlorobenzene
 Concen: 19.394 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014317.D
 Acq: 11 Dec 2019 21:11

Tgt Ion: 180 Resp: 488776
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.2 114.2
 184 30.4 24.3 36.5
 145 27.9 21.9 32.9

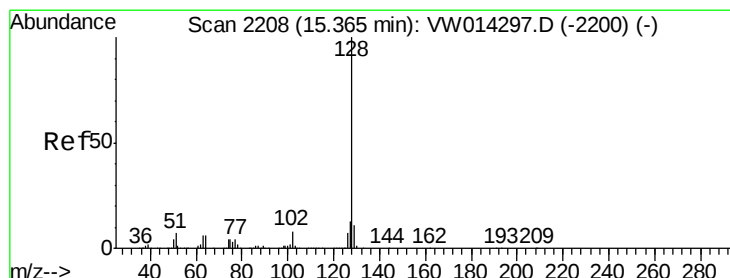
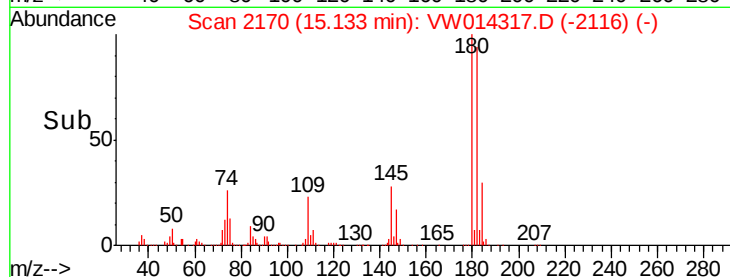
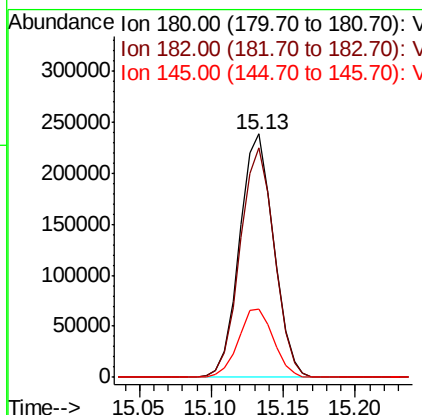
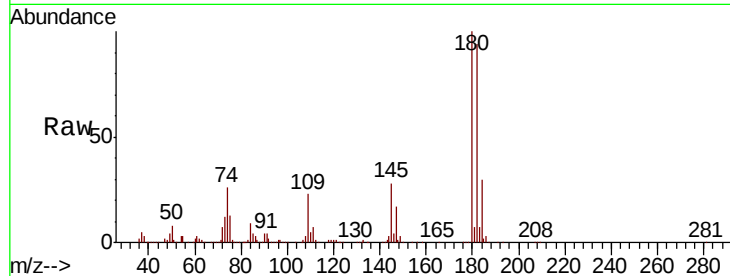




#68
 1,2,4-trichlorobenzene
 Concen: 19.941 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014317.D
 Acq: 11 Dec 2019 21:11

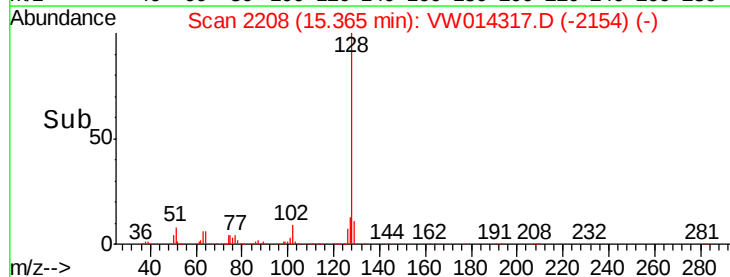
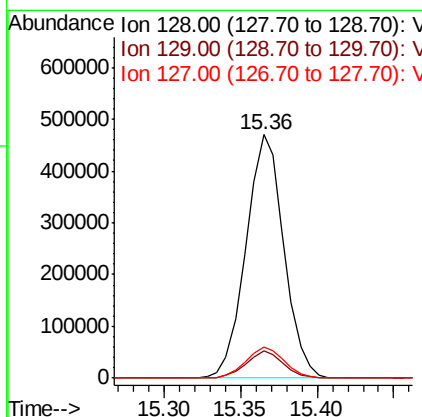
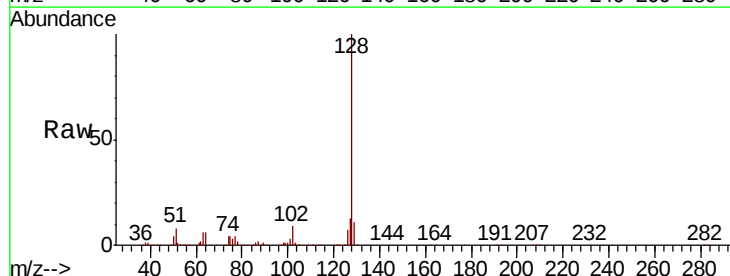
Instrument :
 MSVOA_W
 ClientSampleId :

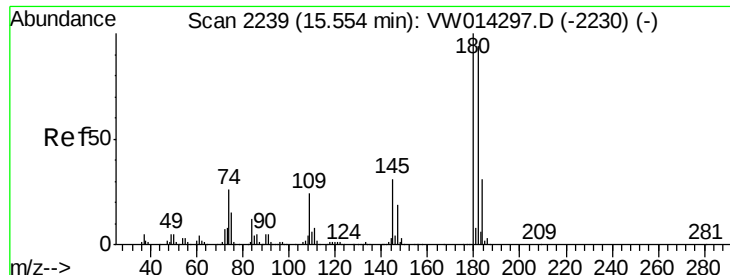
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.8
145	28.8	22.4	33.6



#69
 Naphthalene
 Concen: 21.827 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW014317.D
 Acq: 11 Dec 2019 21:11

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.0	10.4	15.6

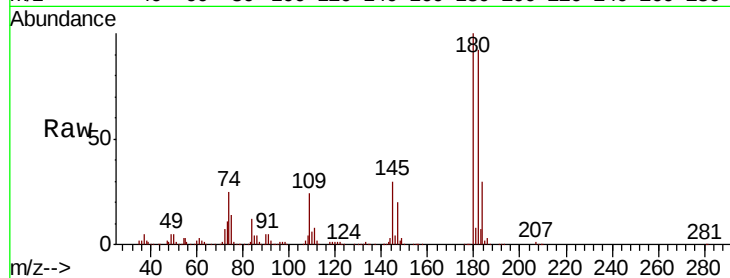




#70
 1,2,3-Trichlorobenzene
 Concen: 19.918 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW014317.D
 Acq: 11 Dec 2019 21:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.8	113.6
145	30.7	24.0	36.0



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

