

Data File : VW015015.D
Acq On : 20 Feb 2020 13:01
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Feb 21 01:55:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 20 15:58:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	765779	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	705894	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	323778	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	283645	22.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.48%
7) Chloroethane-d5	2.89	69	250125	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.56%
10) 1,1-Dichloroethene-d2	4.02	63	579115	25.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.00%
20) 2-Butanone-d5	7.07	46	223782	62.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.80%
24) Chloroform-d	7.64	84	588303	27.06	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.24%
26) 1,2-Dichloroethane-d4	8.30	65	349990	29.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	116.36%
29) Benzene-d6	8.27	84	1124070	24.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.04%
33) 1,2-Dichloropropane-d6	9.27	67	396237	26.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.16%
37) Toluene-d8	10.32	98	963377	24.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.44%
38) trans-1,3-Dichloropropene-	10.57	79	152246	26.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.24%
39) 2-Hexanone-d5	10.92	63	159489	59.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	314558	28.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	284327	22.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	143636	18.245 ug/L	85
3) Chloromethane	2.21	50	285713	23.950 ug/L	99
5) Vinyl chloride	2.36	62	383012	24.589 ug/L	100
6) Bromomethane	2.78	94	168236	21.600 ug/L	99
8) Chloroethane	2.92	64	214699	25.192 ug/L	99
9) Trichlorofluoromethane	3.26	101	174947	27.785 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	269173	24.217 ug/L	92
12) 1,1-Dichloroethene	4.04	96	251392	23.142 ug/L	89
13) Acetone	4.12	43	193120	52.587 ug/L	97
14) Carbon disulfide	4.38	76	776314	23.801 ug/L	100
15) Methyl Acetate	4.67	43	188144	31.133 ug/L	95
16) Methylene chloride	4.91	84	311181	22.305 ug/L	85
17) Methyl tert-butyl Ether	5.43	73	376854	26.555 ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	258383	23.476 ug/L	84
19) 1,1-Dichloroethane	6.21	63	615769	27.615 ug/L	99
21) 2-Butanone	7.16	43	259589	60.374 ug/L	94
22) cis-1,2-Dichloroethene	7.16	96	283983	23.855 ug/L	86

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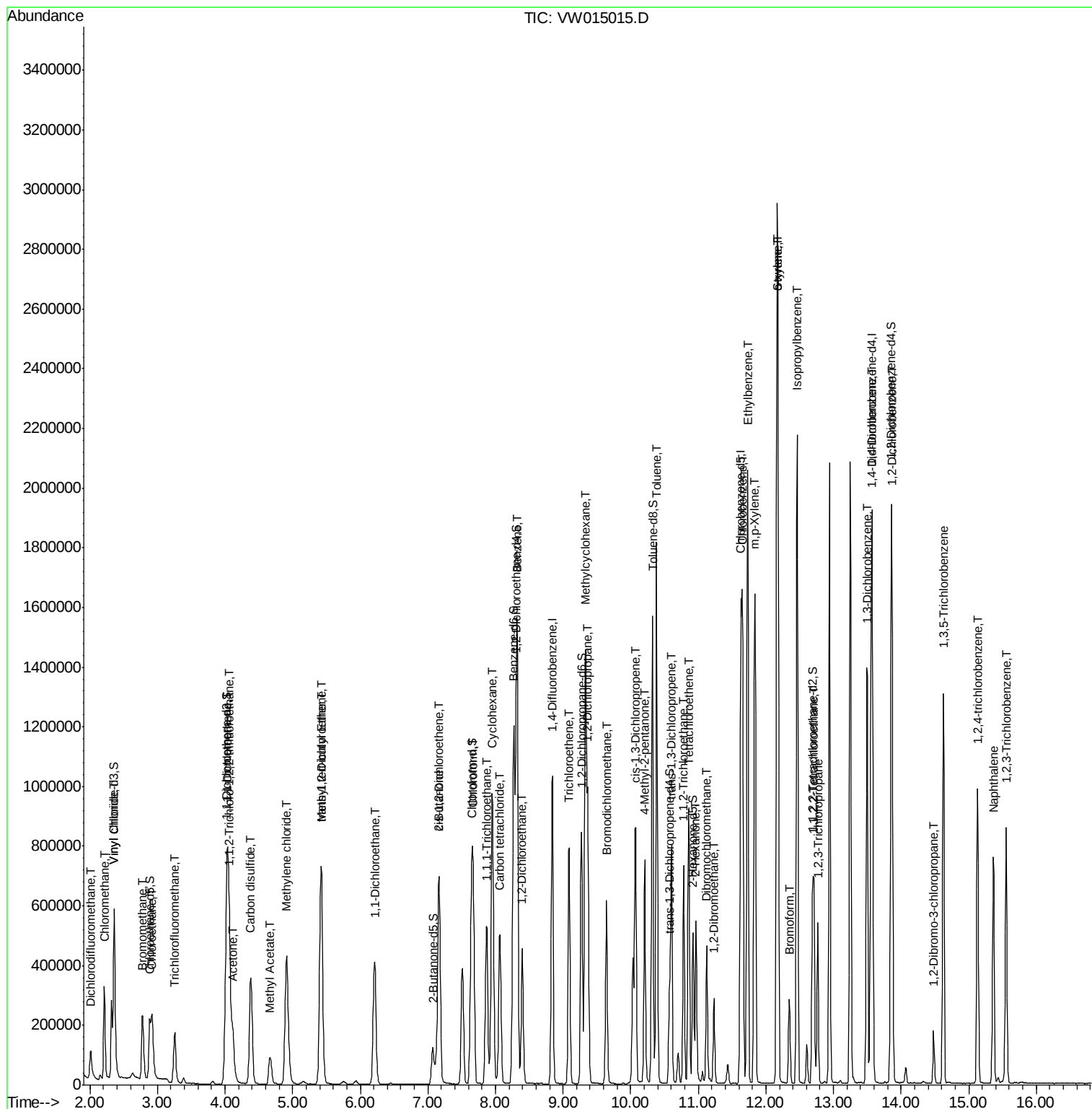
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.67	83	553331	27.015	ug/L	99
27) 1,2-Dichloroethane	8.40	62	409245	28.980	ug/L	96
30) Cyclohexane	7.95	56	548801	26.093	ug/L	92
31) 1,1,1-Trichloroethane	7.87	97	414904	25.778	ug/L	96
32) Carbon tetrachloride	8.07	117	364358	25.183	ug/L	100
34) Benzene	8.32	78	1240019	25.546	ug/L	100
35) Trichloroethene	9.09	95	284138	23.615	ug/L	95
36) Methylcyclohexane	9.34	83	501015	23.904	ug/L	92
40) 1,2-Dichloropropane	9.37	63	356132	27.416	ug/L	99
41) Bromodichloromethane	9.64	83	397690	26.714	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	489437	26.534	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	525887	61.741	ug/L #	93
44) Toluene	10.38	91	1231947	25.000	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	406198	27.346	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	215288	25.176	ug/L	95
47) Tetrachloroethene	10.86	164	182649	20.659	ug/L	96
49) 2-Hexanone	10.96	43	380084	63.528	ug/L #	93
50) Dibromochloromethane	11.13	129	223488	24.317	ug/L	99
51) 1,2-Dibromoethane	11.23	107	190149	23.899	ug/L	99
52) Chlorobenzene	11.65	112	699678	23.223	ug/L	92
53) Ethylbenzene	11.73	91	1376493	25.533	ug/L	97
54) m,p-Xylene	11.84	106	481661	24.460	ug/L	96
55) o-xylene	12.16	106	449609	23.991	ug/L	89
56) Styrene	12.18	104	801529	25.305	ug/L	92
57) Isopropylbenzene	12.46	105	1261295	25.060	ug/L	97
58) 1,1,1,2-Tetrachloroethane	12.71	83	290471	27.214	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	218404	27.198	ug/L	100
62) Bromoform	12.35	173	113115	22.918	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	492698	22.527	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	505702	22.954	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	459583	22.974	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	46565	27.300	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.63	180	341673	21.813	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	269194	21.751	ug/L	98
69) Naphthalene	15.36	128	582988	23.948	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	250495	21.920	ug/L	99

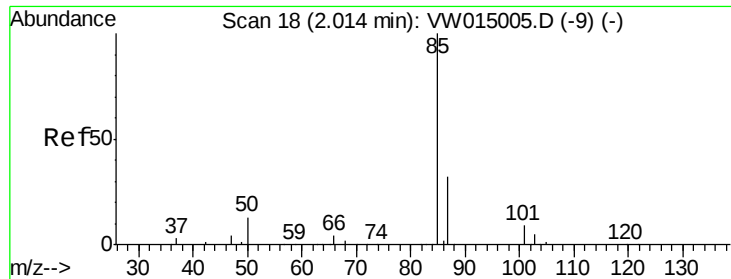
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 18.245 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

Instrument :

MSVOA_W

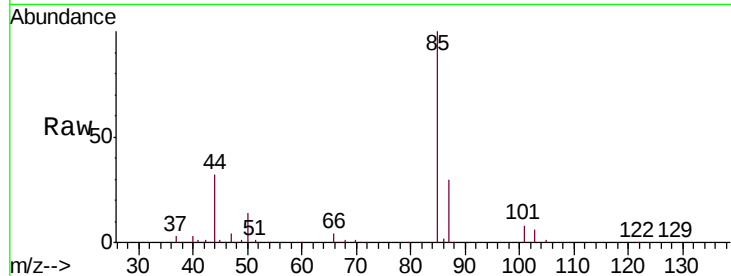
ClientSampled :

Tgt Ion: 85 Resp: 143636

Ion Ratio Lower Upper

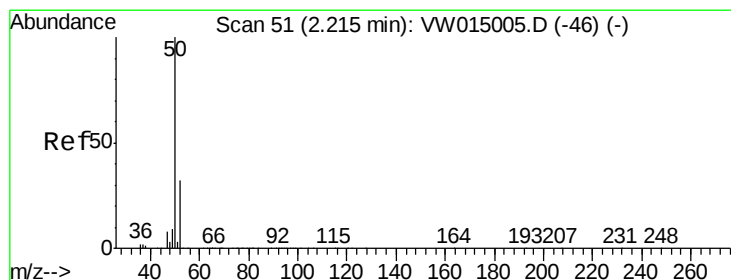
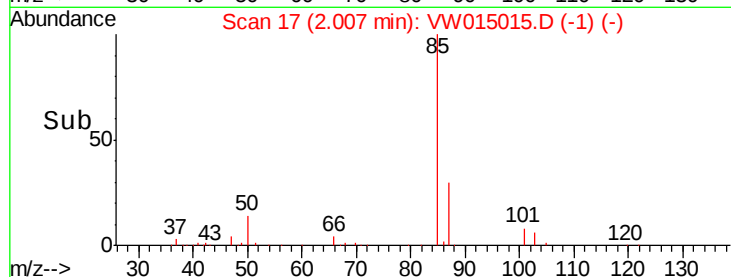
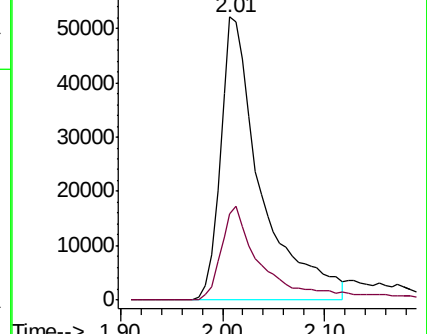
85 100

87 33.5 18.1 33.7



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.950 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015015.D

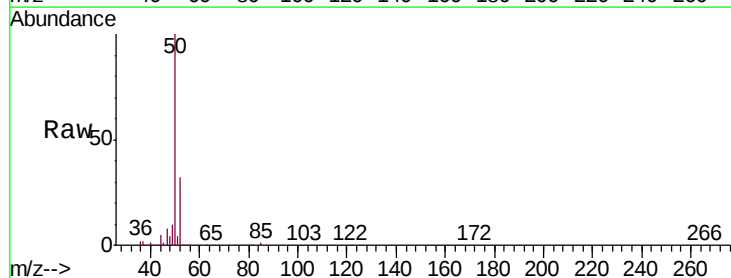
Acq: 20 Feb 2020 13:01

Tgt Ion: 50 Resp: 285713

Ion Ratio Lower Upper

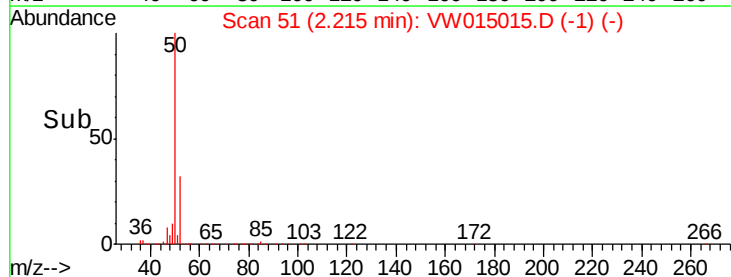
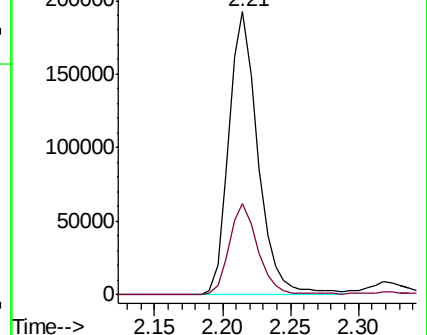
50 100

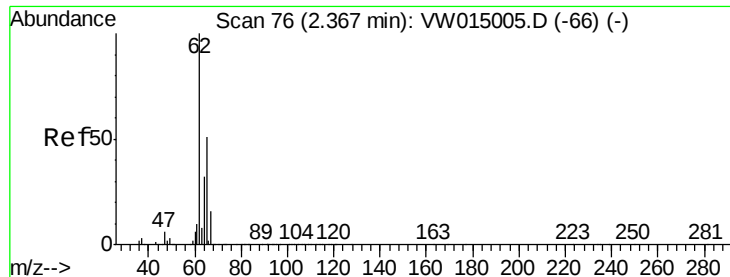
52 32.2 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.589 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

Instrument :

MSVOA_W

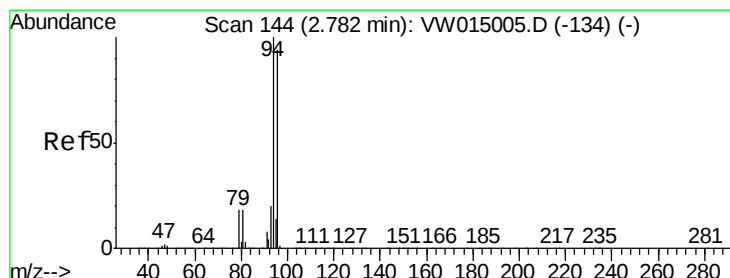
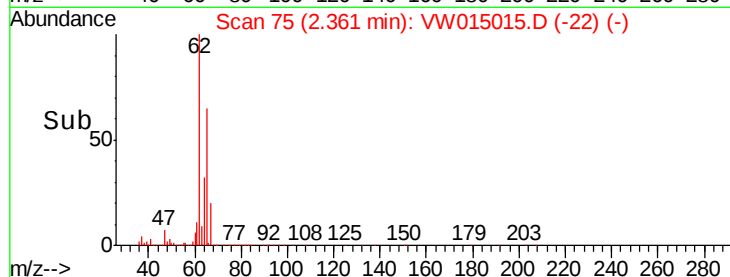
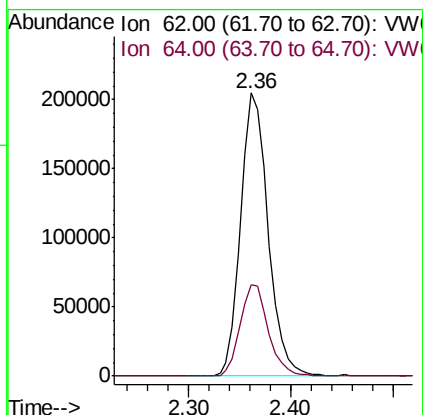
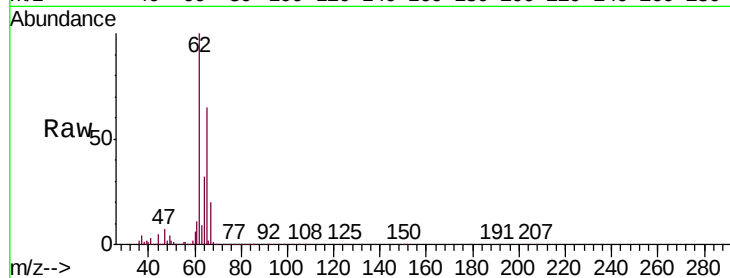
ClientSampleId :

Tgt Ion: 62 Resp: 383012

Ion Ratio Lower Upper

62 100

64 32.3 22.5 41.9



#6

Bromomethane

Concen: 21.600 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015015.D

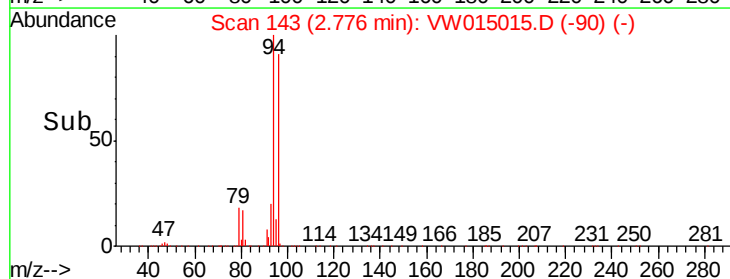
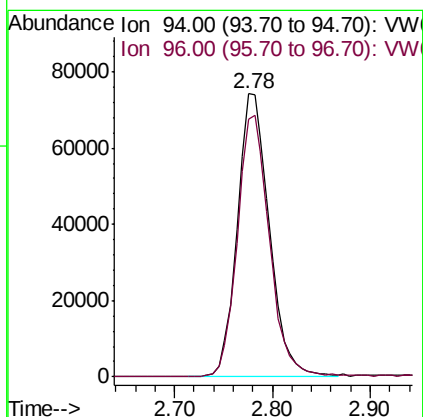
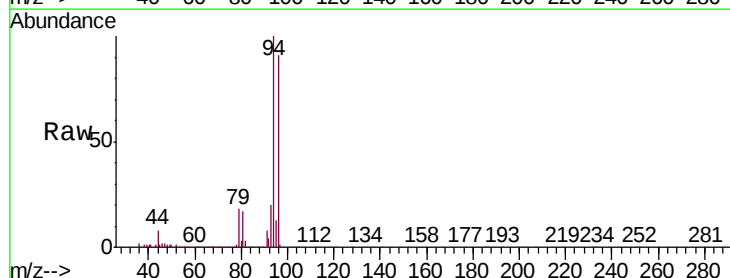
Acq: 20 Feb 2020 13:01

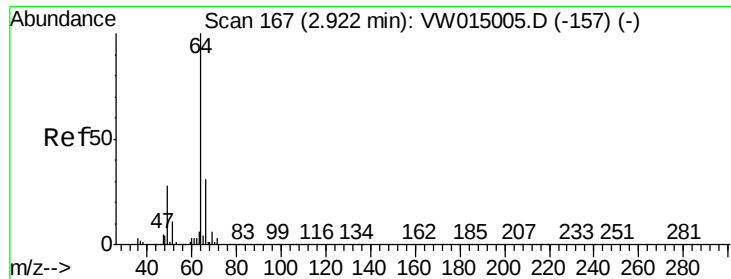
Tgt Ion: 94 Resp: 168236

Ion Ratio Lower Upper

94 100

96 92.4 9.4 178.0





#8

Chloroethane

Concen: 25.192 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

Instrument :

MSVOA_W

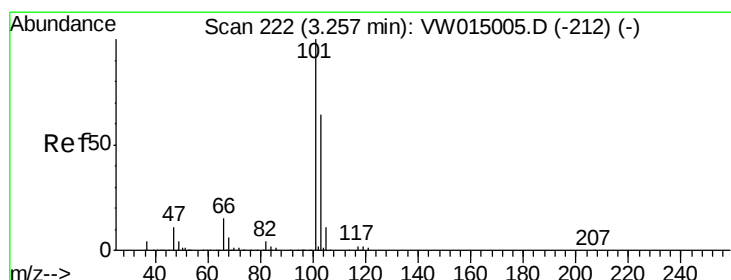
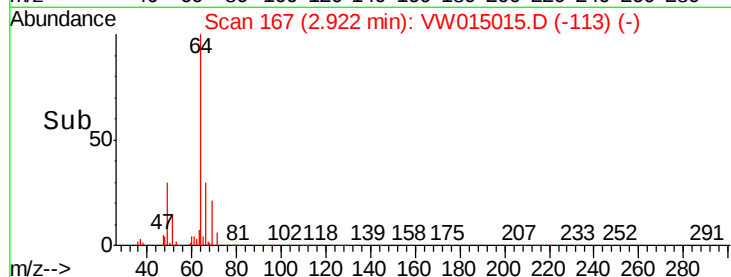
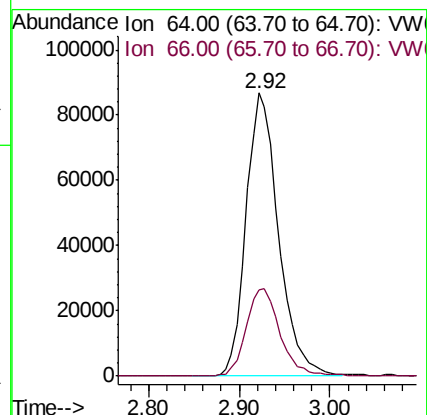
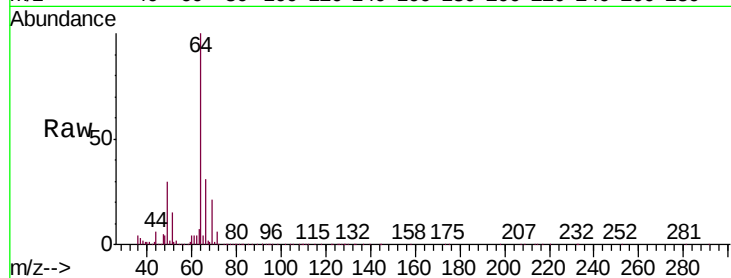
ClientSampleId :

Tgt Ion: 64 Resp: 214699

Ion Ratio Lower Upper

64 100

66 30.6 21.9 40.7



#9

Trichlorofluoromethane

Concen: 27.785 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW015015.D

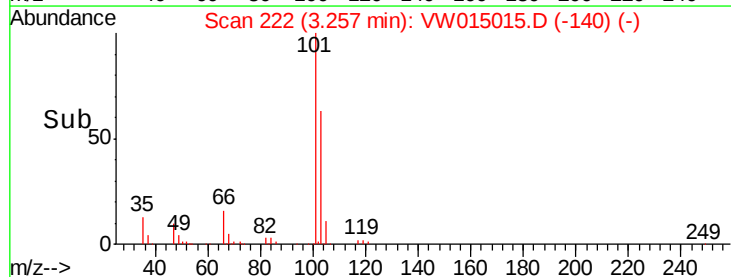
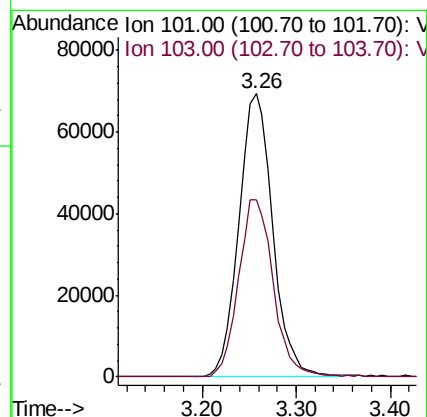
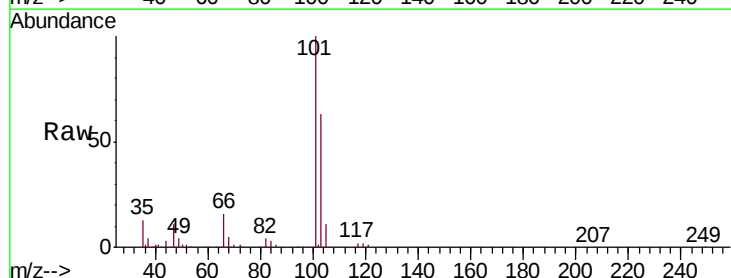
Acq: 20 Feb 2020 13:01

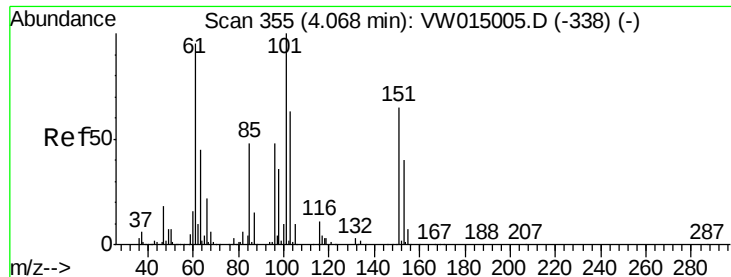
Tgt Ion: 101 Resp: 174947

Ion Ratio Lower Upper

101 100

103 64.0 45.8 85.0





#11

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

Concen: 24.217 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015015.D

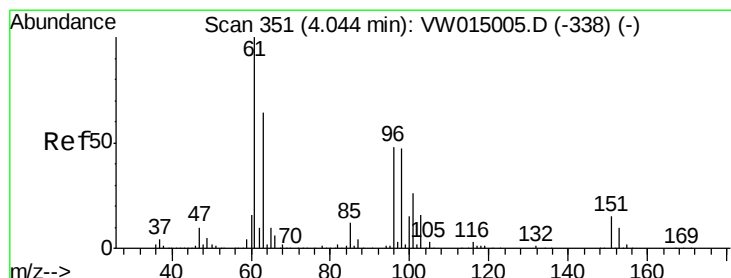
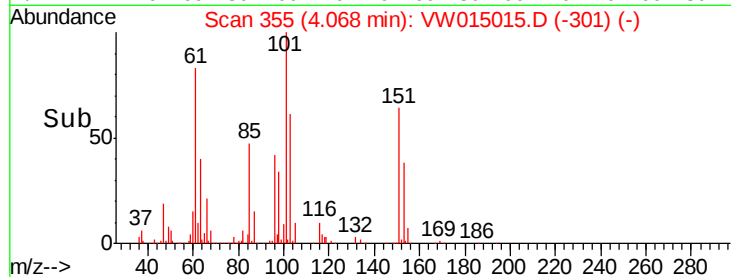
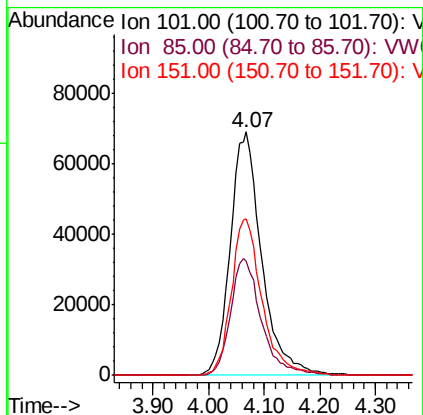
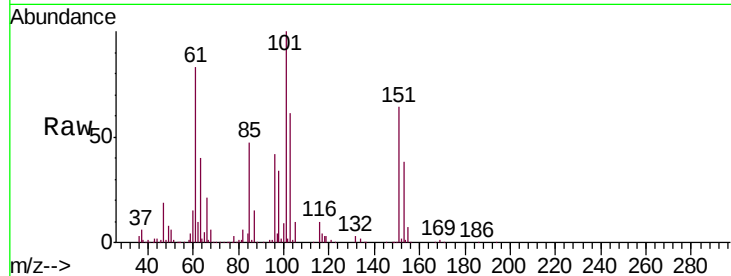
Acq: 20 Feb 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	101	Resp:	269173
Ion	Ratio	Lower	Upper
101	100		
85	47.3	34.8	52.2
151	62.9	56.3	84.5



#12

1,1-Dichloroethene

Concen: 23.142 ug/L

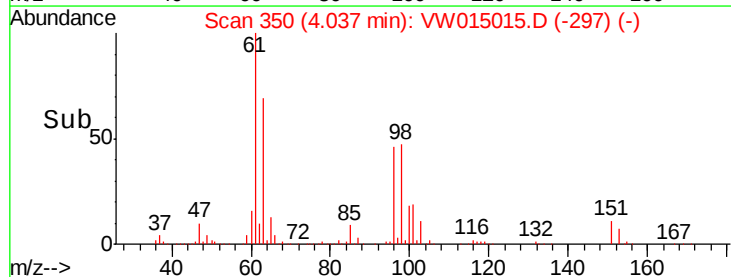
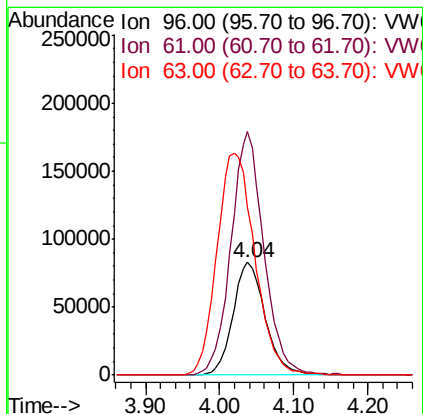
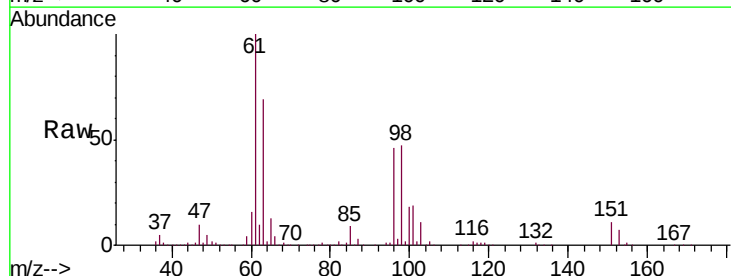
RT: 4.04 min Scan# 350

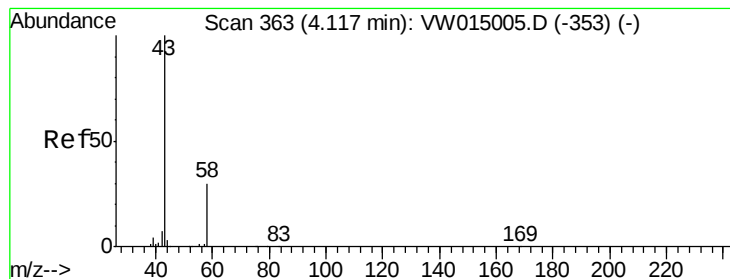
Delta R.T. -0.01 min

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Tgt Ion:	96	Resp:	251392
Ion	Ratio	Lower	Upper
96	100		
61	215.7	134.7	250.1
63	149.5	110.2	204.8





#13

Acetone

Concen: 52.587 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

Instrument :

MSVOA_W

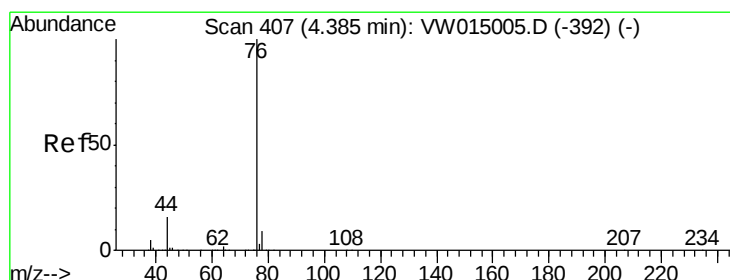
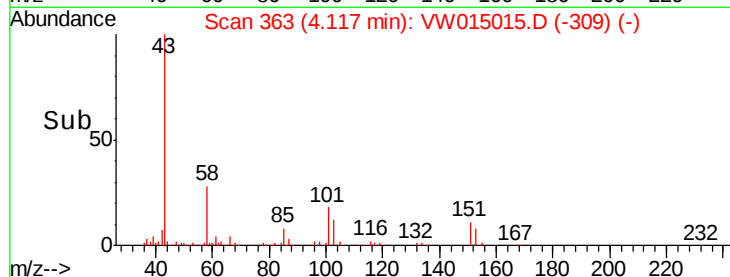
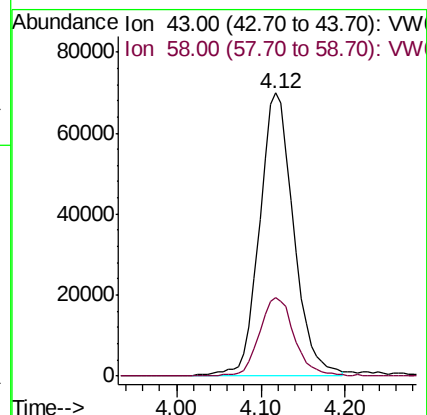
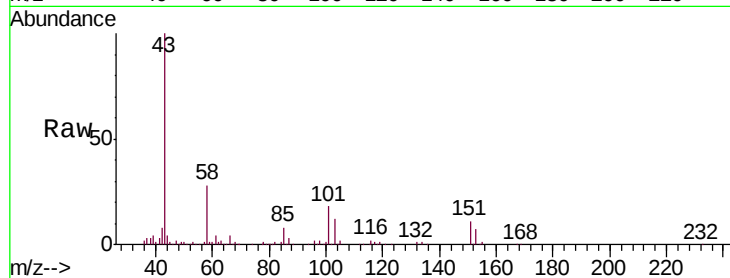
ClientSampleId :

Tgt Ion: 43 Resp: 193120

Ion Ratio Lower Upper

43 100

58 28.7 0.0 60.4



#14

Carbon disulfide

Concen: 23.801 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015015.D

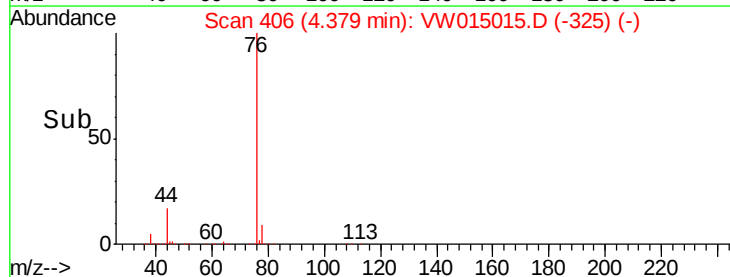
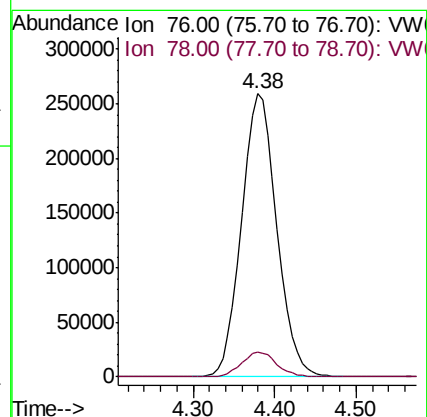
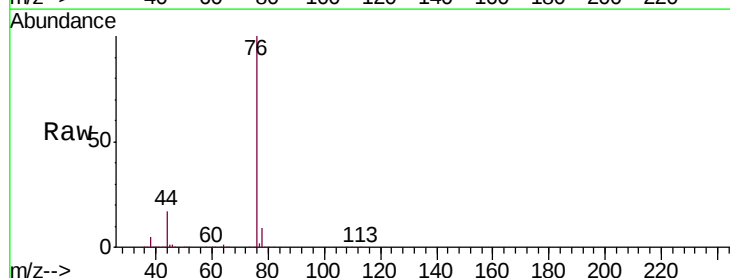
Acq: 20 Feb 2020 13:01

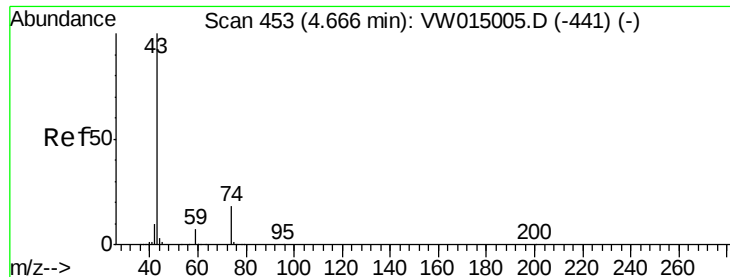
Tgt Ion: 76 Resp: 776314

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

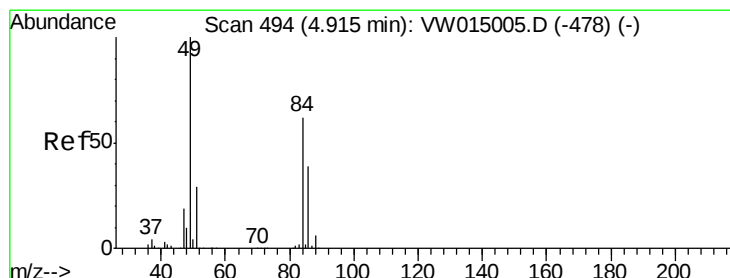
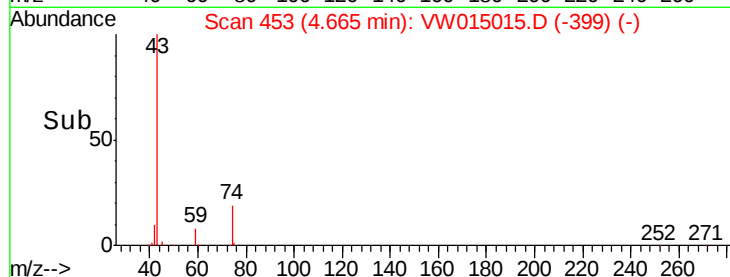
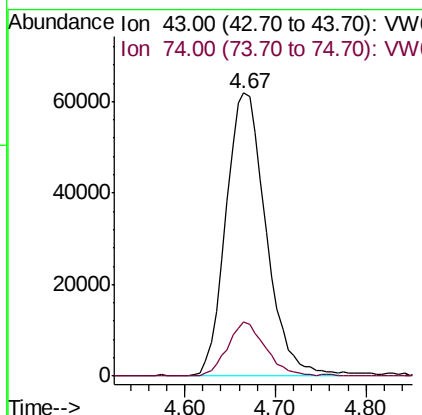
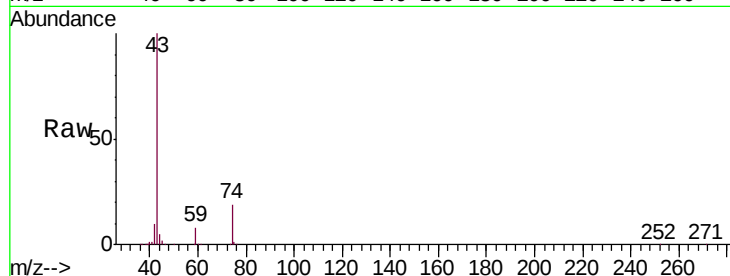




#15
Methyl Acetate
Concen: 31.133 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW015015.D
Acq: 20 Feb 2020 13:01

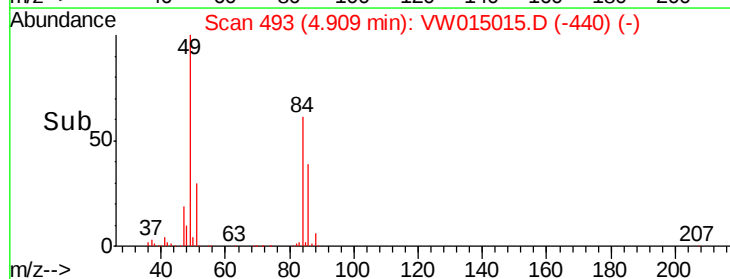
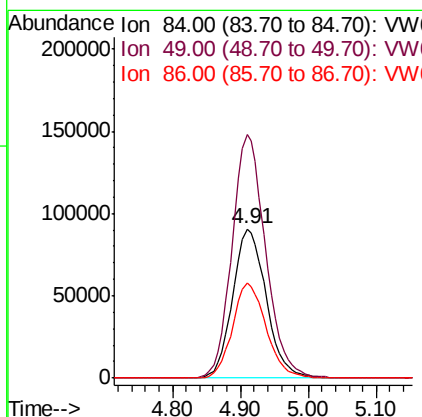
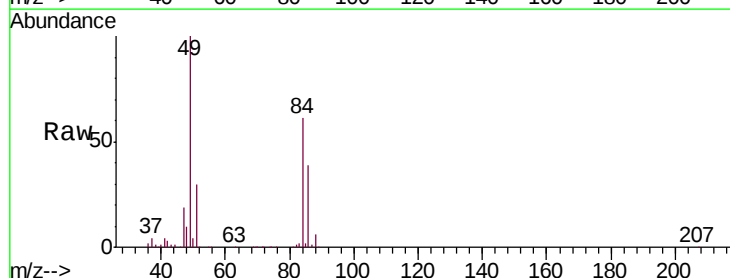
Instrument :
MSVOA_W
ClientSampleId :

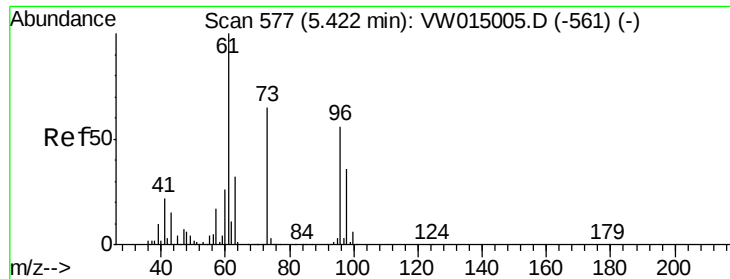
Tgt Ion: 43 Resp: 188144
Ion Ratio Lower Upper
43 100
74 18.3 16.5 24.7



#16
Methylene chloride
Concen: 22.305 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015015.D
Acq: 20 Feb 2020 13:01

Tgt Ion: 84 Resp: 311181
Ion Ratio Lower Upper
84 100
49 163.3 95.8 177.8
86 63.5 44.2 82.2

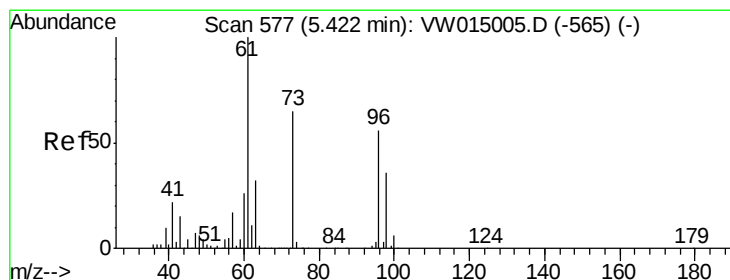
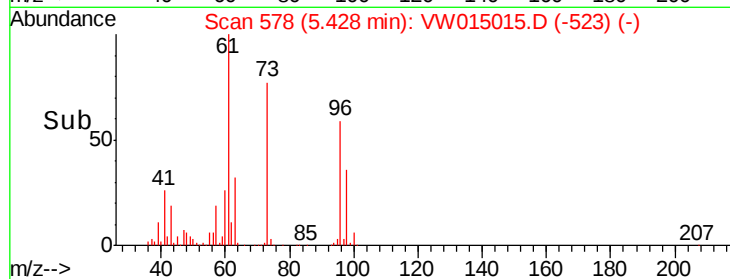
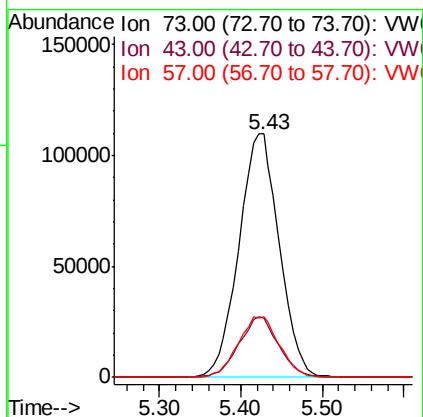
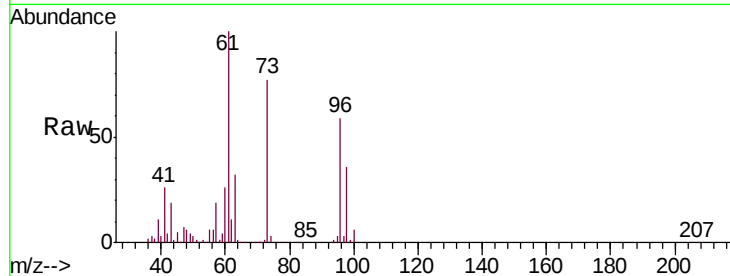




#17
Methyl tert-butyl Ether
Concen: 26.555 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015015.D
Acq: 20 Feb 2020 13:01

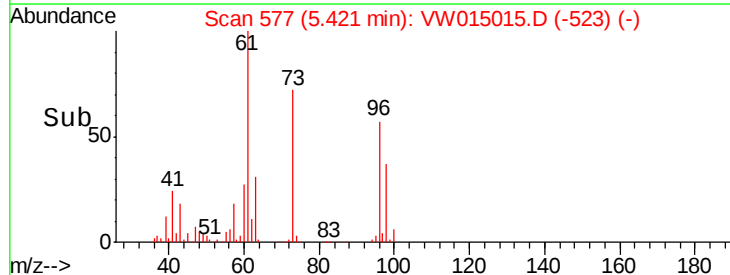
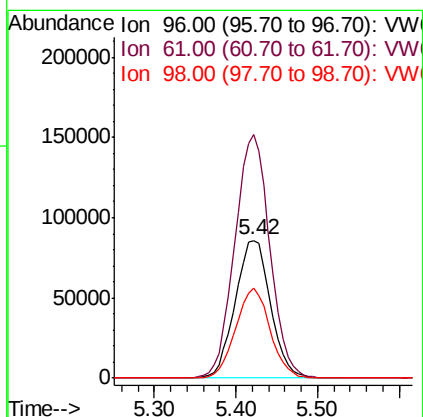
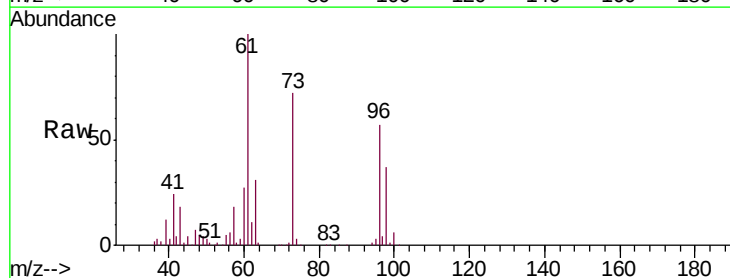
Instrument :
MSVOA_W
ClientSampled :

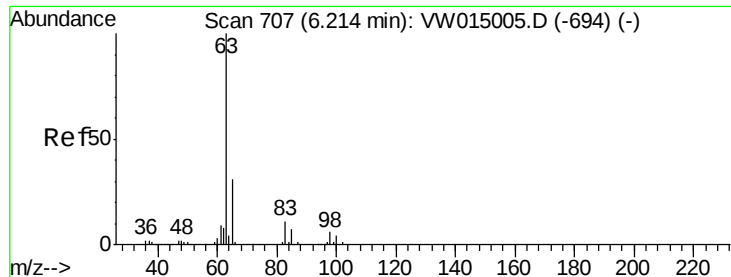
Tgt Ion: 73 Resp: 376854
Ion Ratio Lower Upper
73 100
43 24.2 17.5 26.3
57 25.3 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 23.476 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015015.D
Acq: 20 Feb 2020 13:01

Tgt Ion: 96 Resp: 258383
Ion Ratio Lower Upper
96 100
61 176.7 104.4 194.0
98 65.5 43.8 81.3

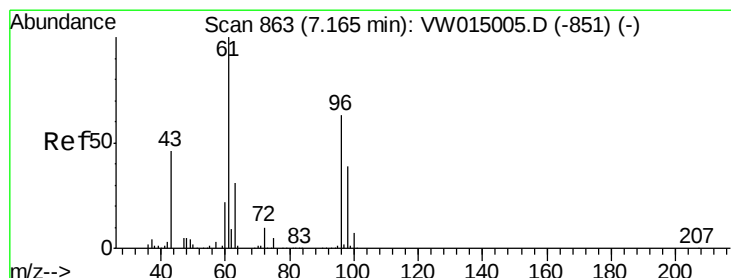
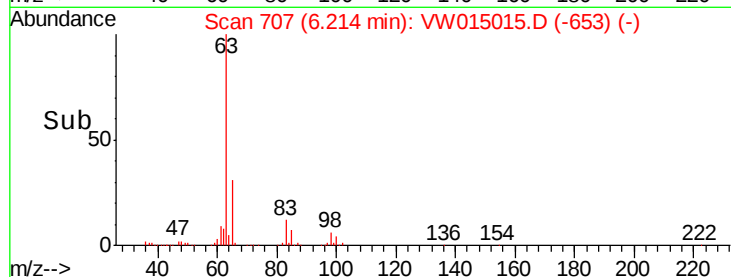
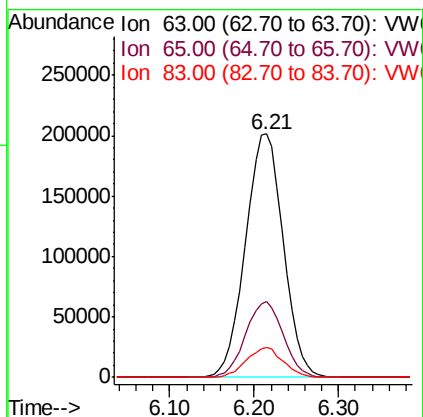
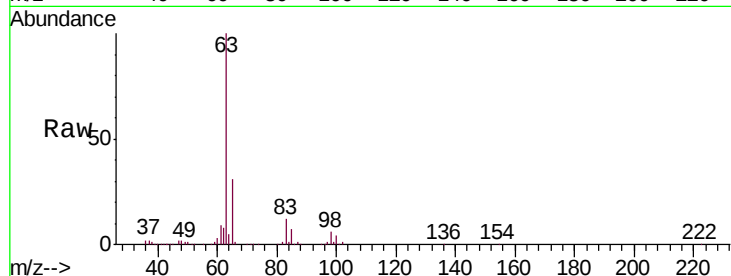




#19
 1,1-Dichloroethane
 Concen: 27.615 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW015015.D
 Acq: 20 Feb 2020 13:01

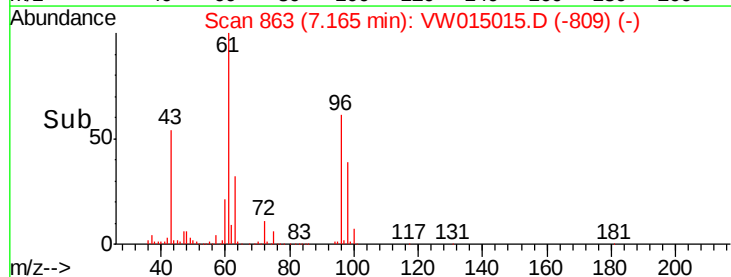
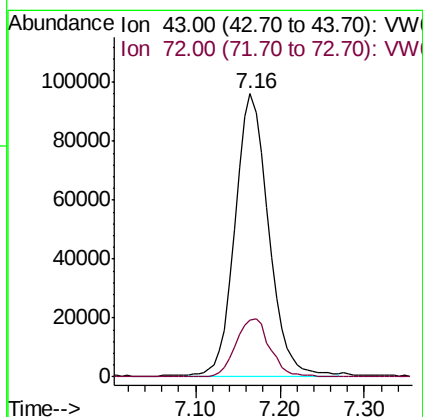
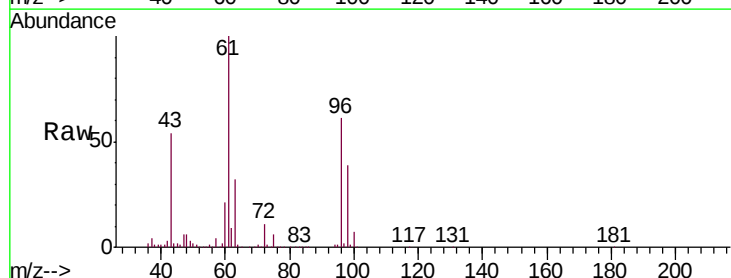
Instrument :
 MSVOA_W
 ClientSampled :

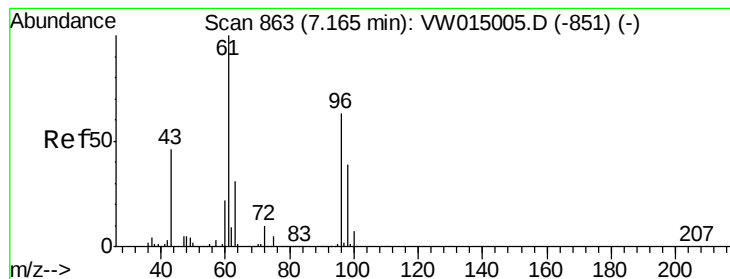
Tgt Ion: 63 Resp: 615769
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.5 39.9
 83 12.1 8.8 16.3



#21
 2-Butanone
 Concen: 60.374 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW015015.D
 Acq: 20 Feb 2020 13:01

Tgt Ion: 43 Resp: 259589
 Ion Ratio Lower Upper
 43 100
 72 20.9 11.9 35.5



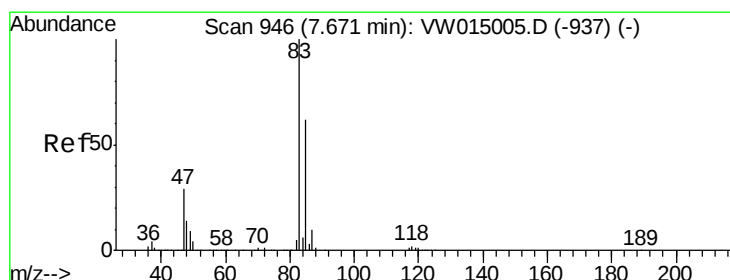
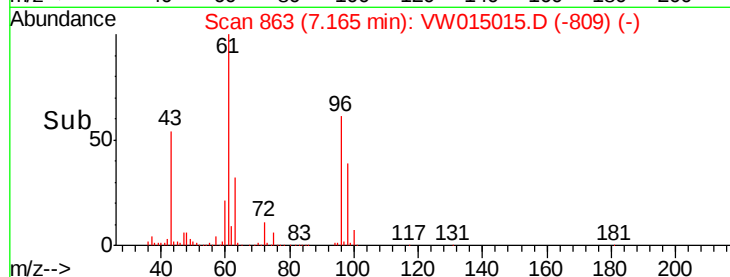
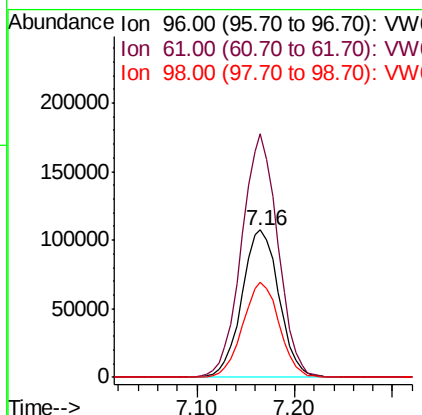
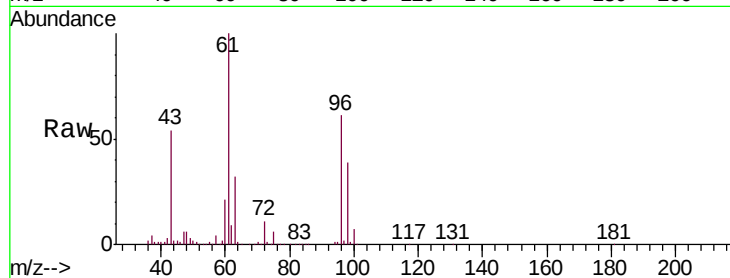


#22

cis-1,2-Dichloroethene
 Concen: 23.855 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW015015.D
 Acq: 20 Feb 2020 13:01

Instrument :
 MSVOA_W
 ClientSampled :

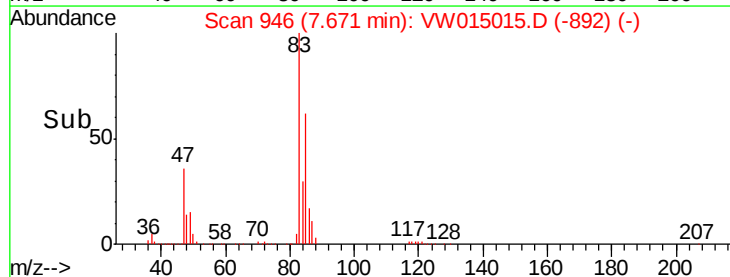
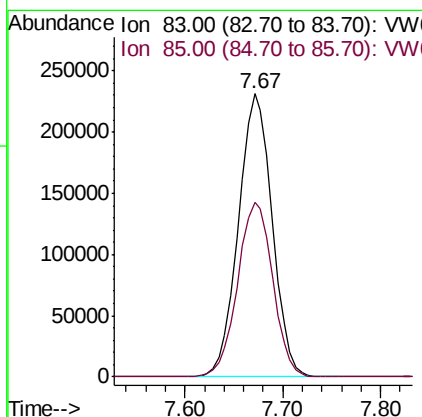
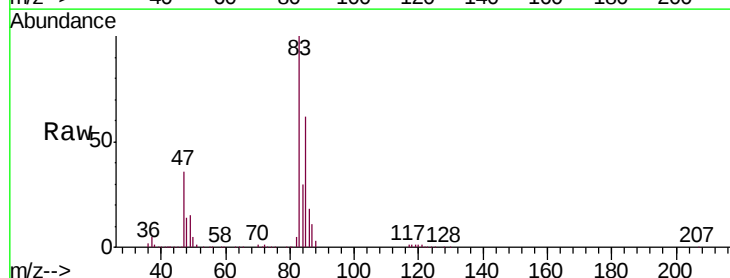
Tgt Ion: 96 Resp: 283983
 Ion Ratio Lower Upper
 96 100
 61 165.1 98.6 183.0
 98 64.3 44.2 82.2

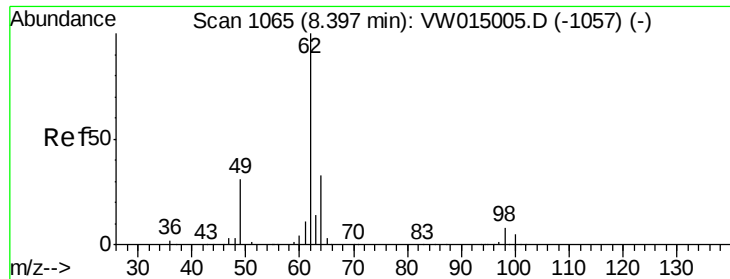


#25

Chloroform
 Concen: 27.015 ug/L
 RT: 7.67 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VW015015.D
 Acq: 20 Feb 2020 13:01

Tgt Ion: 83 Resp: 553331
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.4 84.4

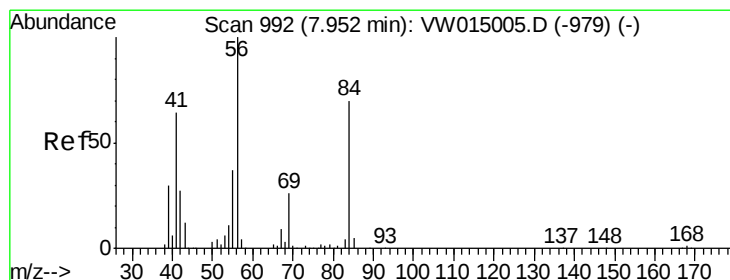
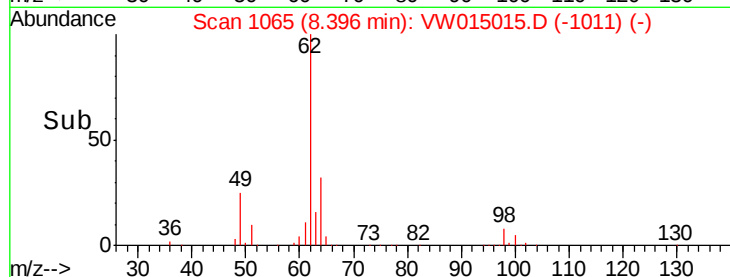
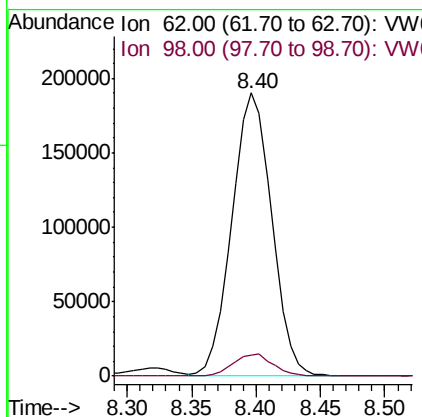
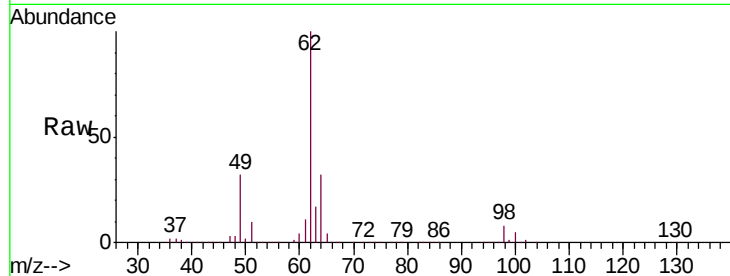




#27
 1,2-Dichloroethane
 Concen: 28.980 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW015015.D
 Acq: 20 Feb 2020 13:01

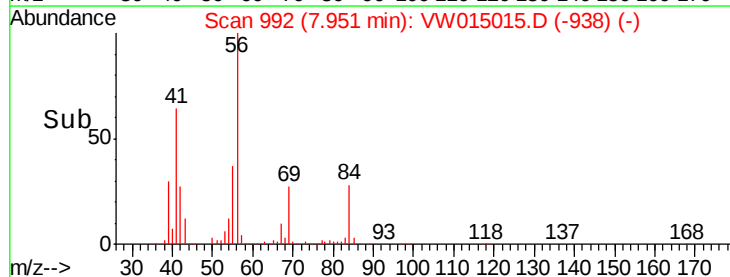
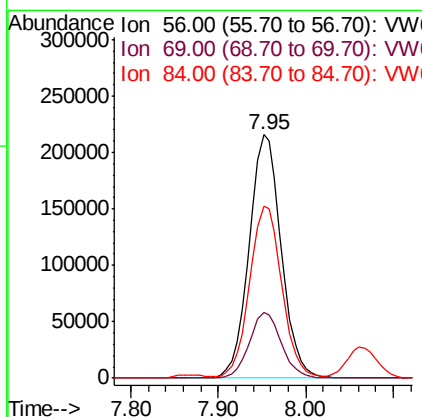
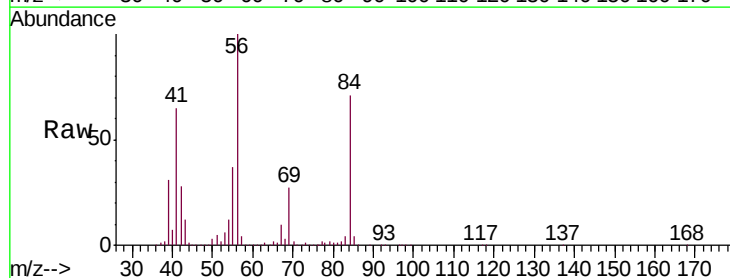
Instrument :
 MSVOA_W
 ClientSampleId :

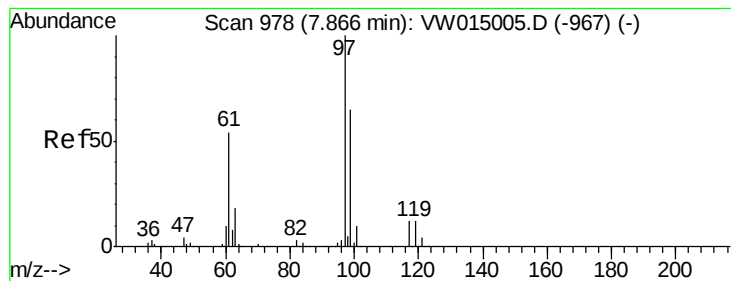
Tgt Ion: 62 Resp: 409245
 Ion Ratio Lower Upper
 62 100
 98 7.6 7.2 10.8



#30
 Cyclohexane
 Concen: 26.093 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW015015.D
 Acq: 20 Feb 2020 13:01

Tgt Ion: 56 Resp: 548801
 Ion Ratio Lower Upper
 56 100
 69 27.0 22.9 34.3
 84 71.2 63.8 95.6





#31

1,1,1-Trichloroethane

Concen: 25.778 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

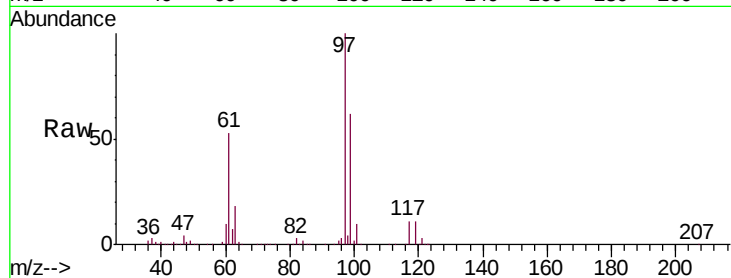
Tgt Ion: 97 Resp: 414904

Ion Ratio Lower Upper

97 100

99 63.6 51.0 76.6

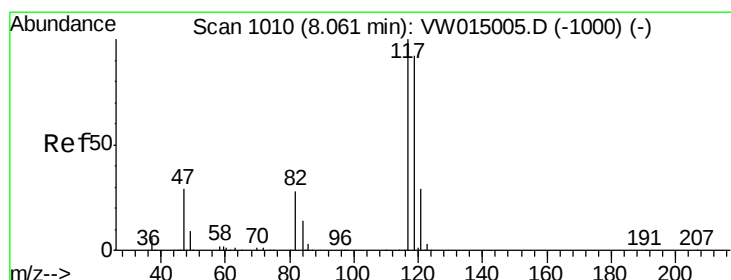
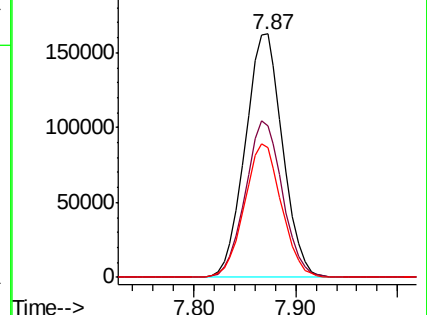
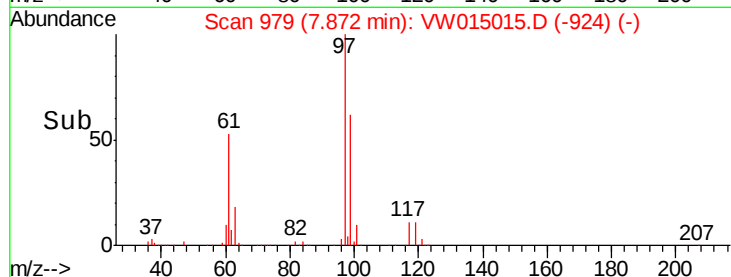
61 54.2 38.9 58.3



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: 25.183 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW015015.D

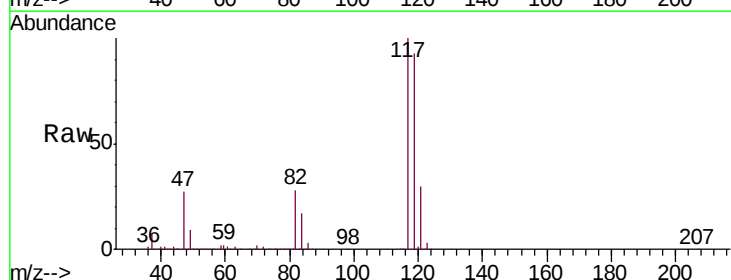
Acq: 20 Feb 2020 13:01

Tgt Ion: 117 Resp: 364358

Ion Ratio Lower Upper

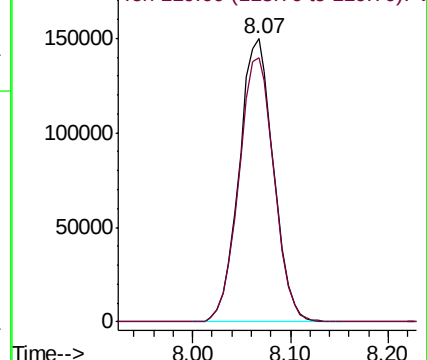
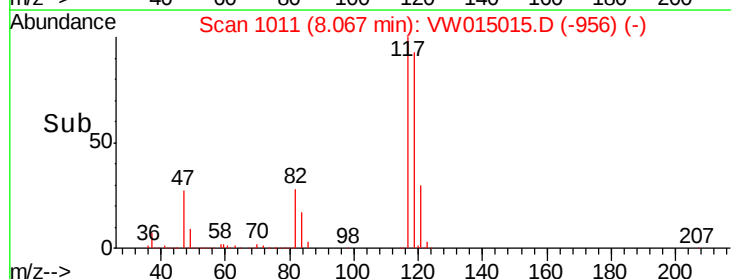
117 100

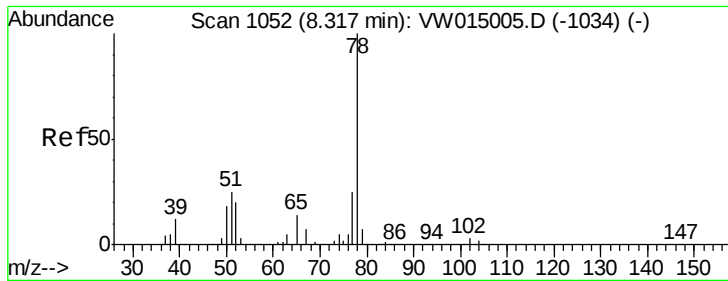
119 95.5 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 25.546 ug/L

RT: 8.32 min Scan# 1052

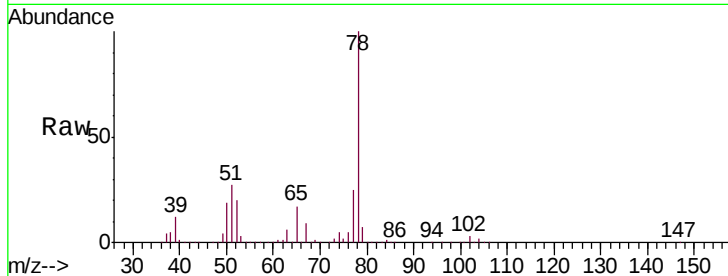
Delta R.T. -0.00 min

Lab File: VW015015.D

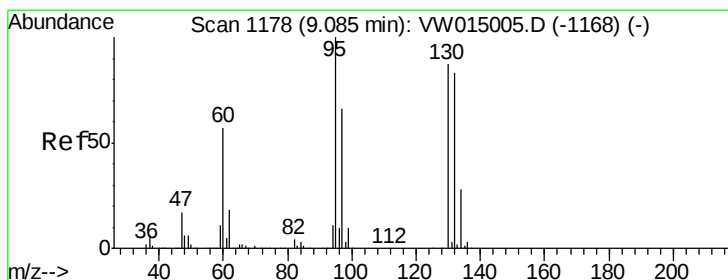
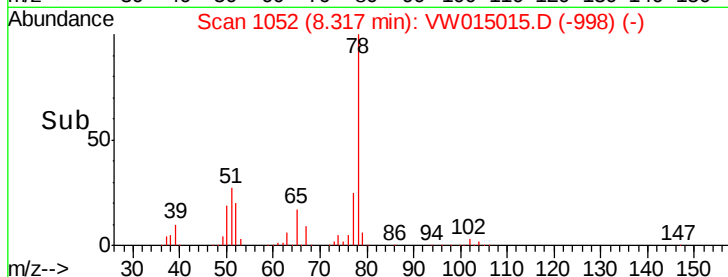
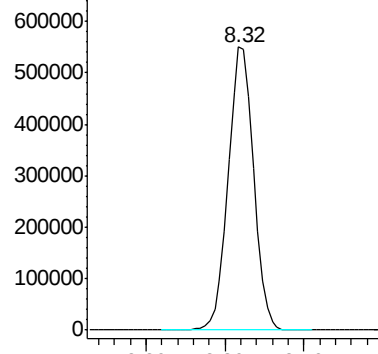
Acq: 20 Feb 2020 13:01

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 78 Resp: 1240019



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 23.615 ug/L

RT: 9.09 min Scan# 1179

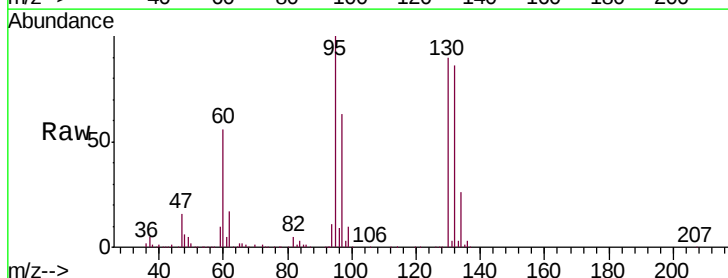
Delta R.T. 0.01 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

Tgt Ion: 95 Resp: 284138

Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.4	82.5
132	84.8	63.6	118.0
130	88.2	67.3	124.9

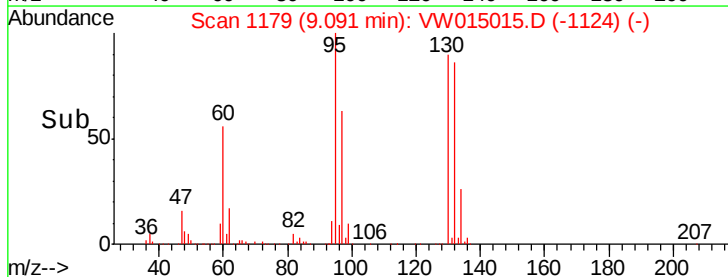
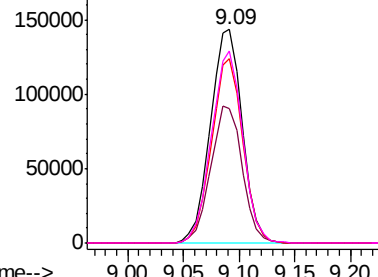


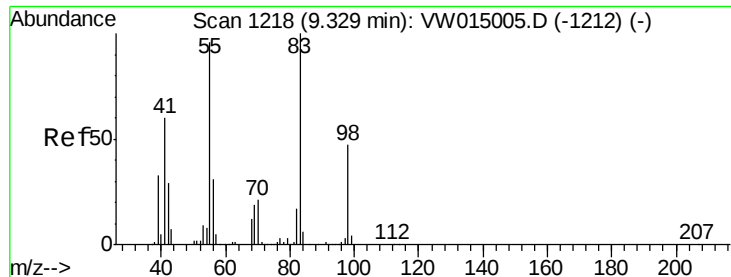
Abundance Ion 95.00 (94.70 to 95.70): VW

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

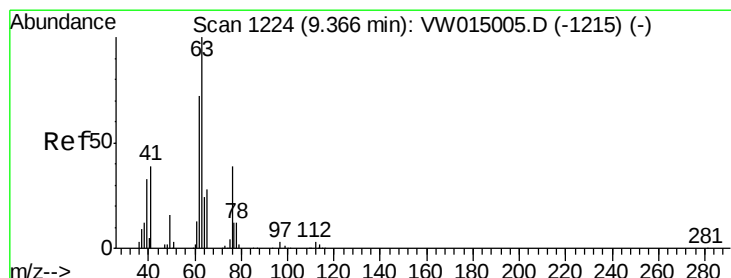
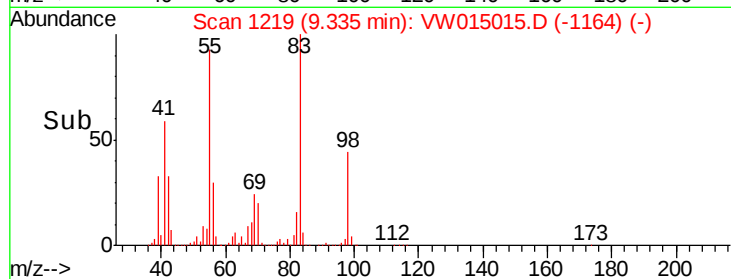
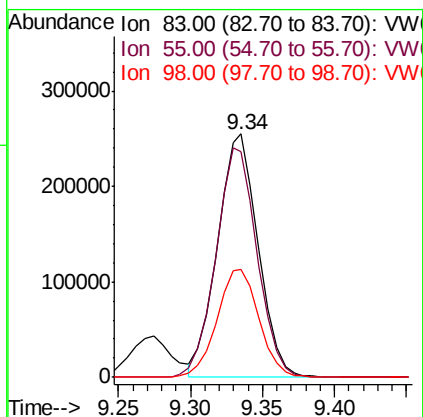
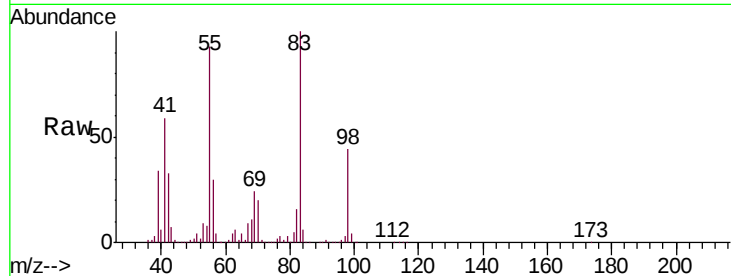




#36
Methylcyclohexane
Concen: 23.904 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW015015.D
Acq: 20 Feb 2020 13:01

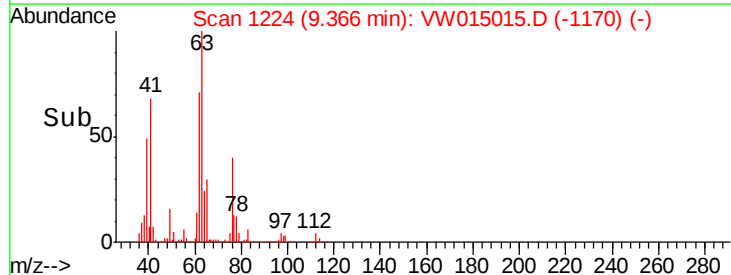
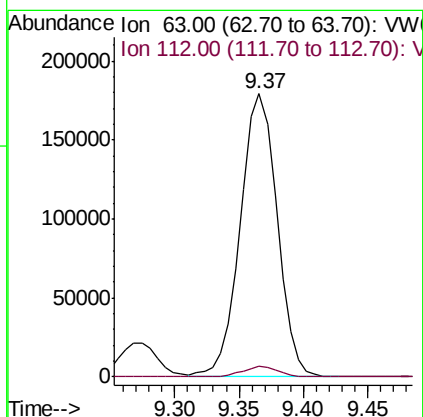
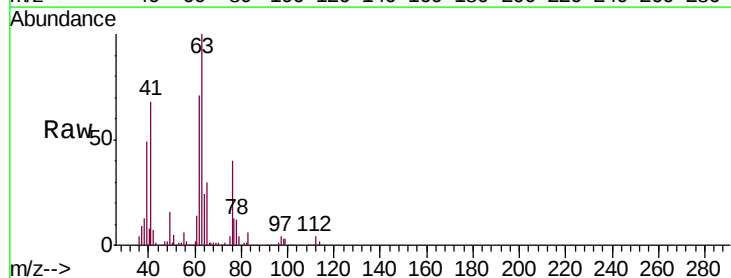
Instrument :
MSVOA_W
ClientSampleId :

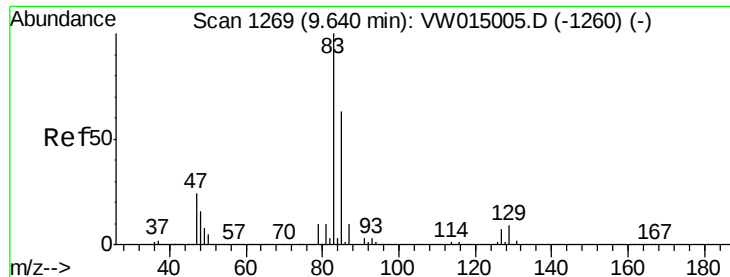
Tgt Ion: 83 Resp: 501015
Ion Ratio Lower Upper
83 100
55 95.8 68.0 102.0
98 45.9 37.8 56.6



#40
1,2-Dichloropropane
Concen: 27.416 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW015015.D
Acq: 20 Feb 2020 13:01

Tgt Ion: 63 Resp: 356132
Ion Ratio Lower Upper
63 100
112 3.6 3.1 4.7





#41

Bromodichloromethane

Concen: 26.714 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

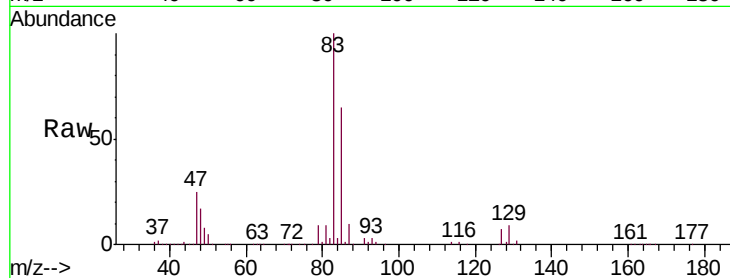
Tgt Ion: 83 Resp: 397690

Ion Ratio Lower Upper

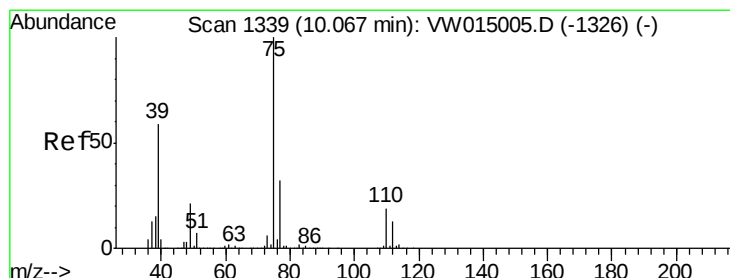
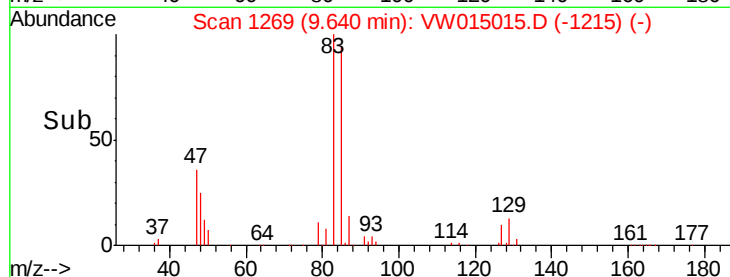
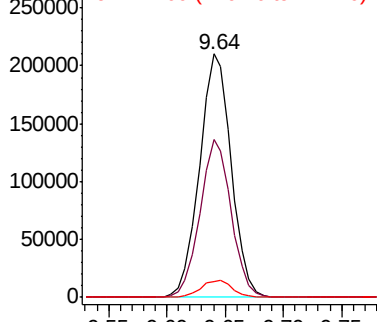
83 100

85 64.9 44.2 82.0

127 6.7 6.0 9.0



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): V



#42

cis-1,3-Dichloropropene

Concen: 26.534 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW015015.D

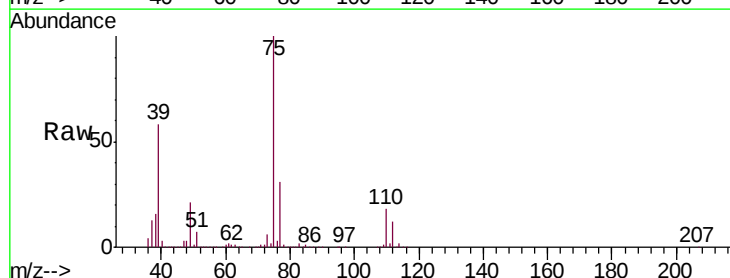
Acq: 20 Feb 2020 13:01

Tgt Ion: 75 Resp: 489437

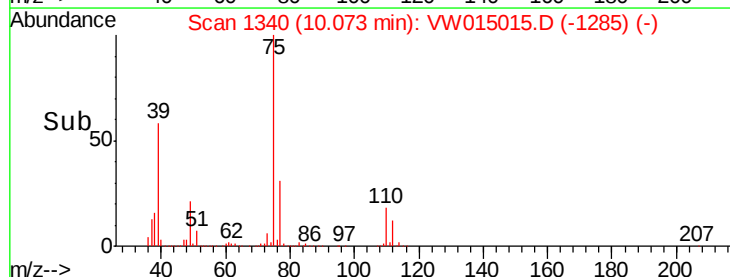
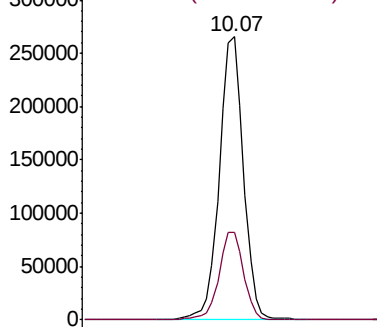
Ion Ratio Lower Upper

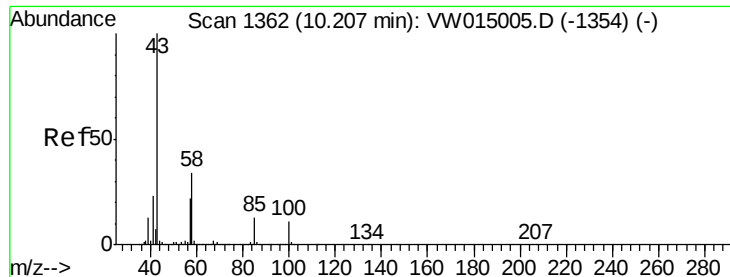
75 100

77 31.1 22.5 41.9



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

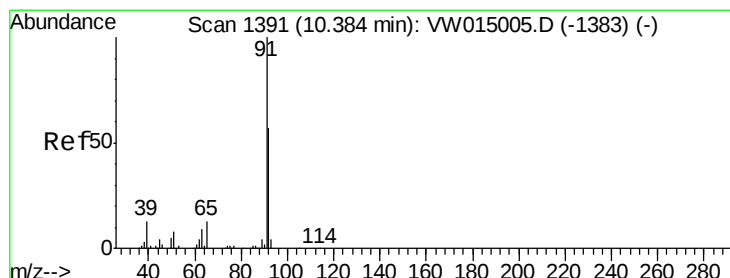
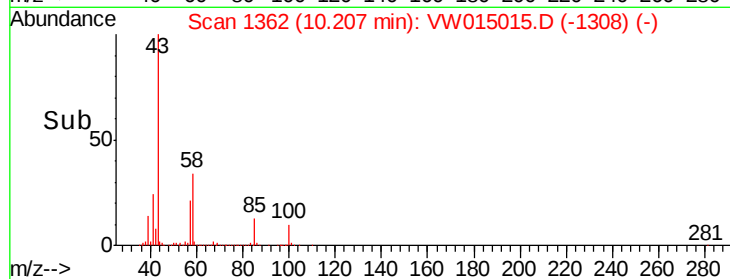
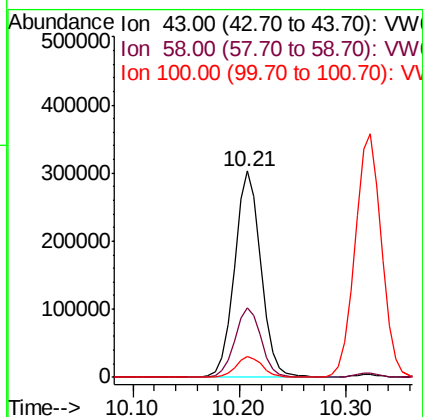
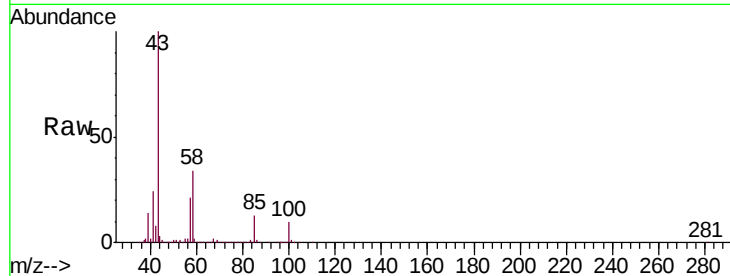




#43
4-Methyl-2-pentanone
Concen: 61.741 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW015015.D
Acq: 20 Feb 2020 13:01

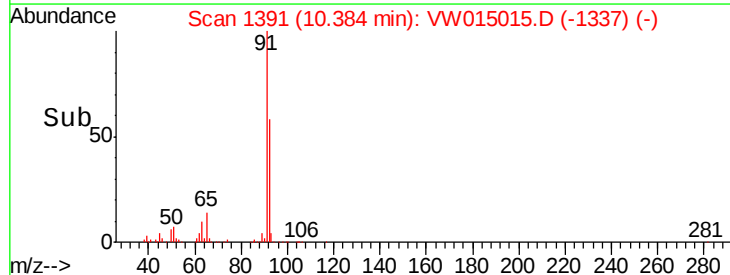
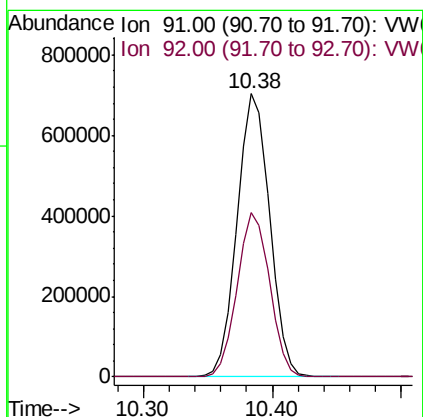
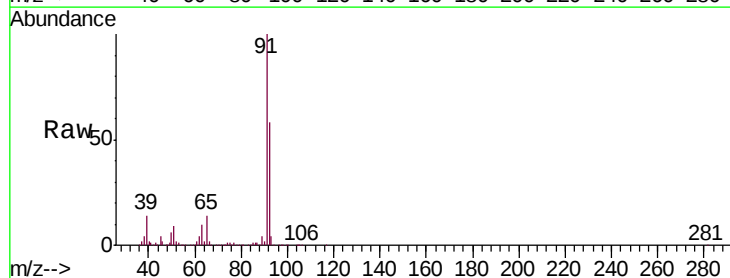
Instrument :
MSVOA_W
ClientSampleId :

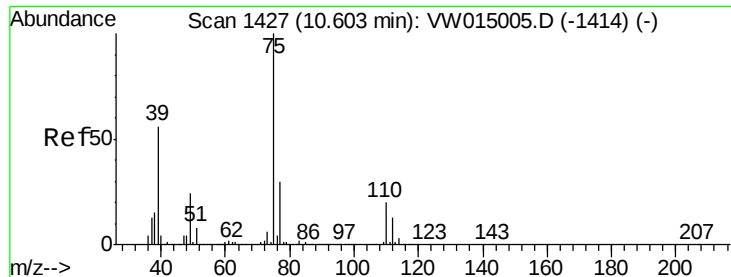
Tgt Ion: 43 Resp: 525887
Ion Ratio Lower Upper
43 100
58 33.6 30.0 45.0
100 10.2 10.6 15.8#



#44
Toluene
Concen: 25.000 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW015015.D
Acq: 20 Feb 2020 13:01

Tgt Ion: 91 Resp: 1231947
Ion Ratio Lower Upper
91 100
92 57.9 41.4 77.0





#45

trans-1,3-Dichloropropene

Concen: 27.346 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

Instrument :

MSVOA_W

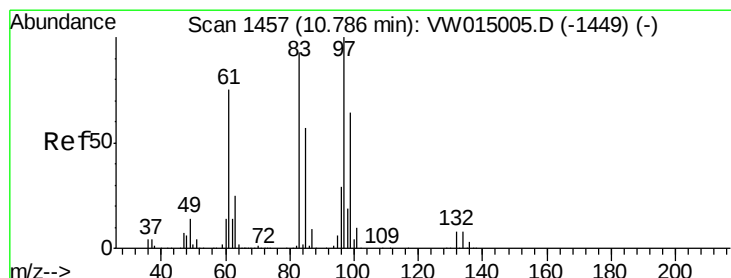
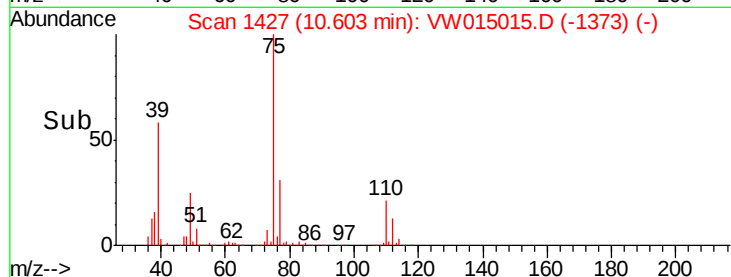
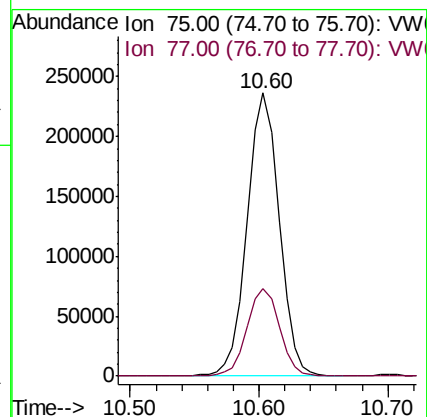
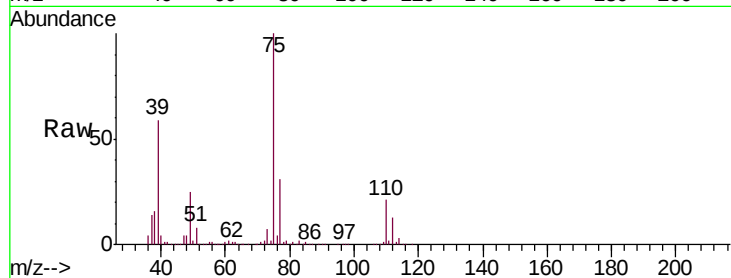
ClientSampled :

Tgt Ion: 75 Resp: 406198

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.6



#46

1,1,2-Trichloroethane

Concen: 25.176 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

Tgt Ion: 97 Resp: 215288

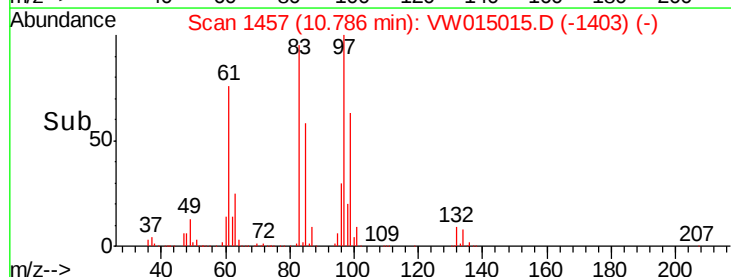
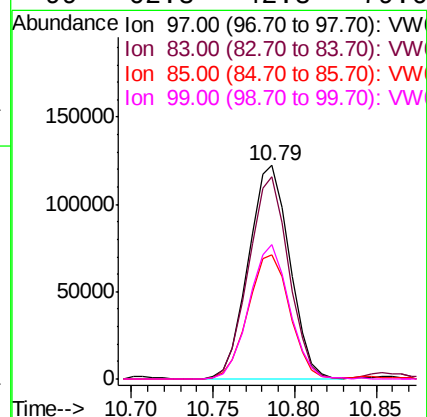
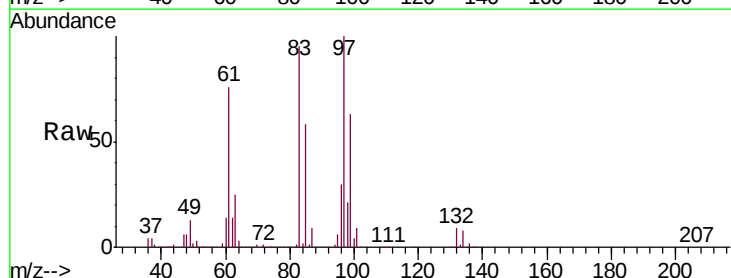
Ion Ratio Lower Upper

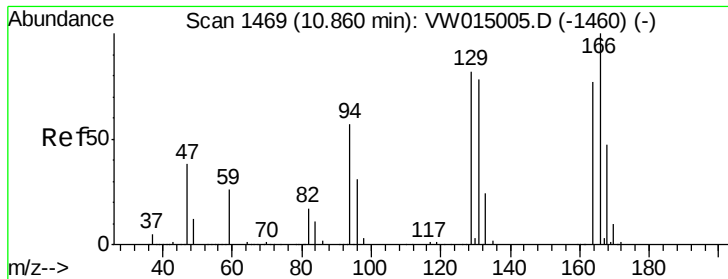
97 100

83 94.8 60.8 112.8

85 58.0 39.9 74.1

99 62.8 42.8 79.6





#47

Tetrachloroethene

Concen: 20.659 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:164 Resp: 182649

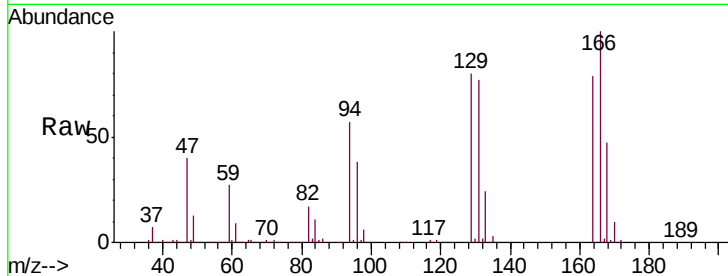
Ion Ratio Lower Upper

164 100

129 101.7 67.5 125.4

131 97.4 64.0 119.0

166 127.0 87.0 161.6

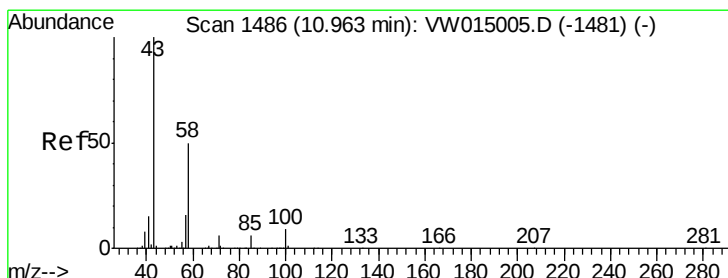
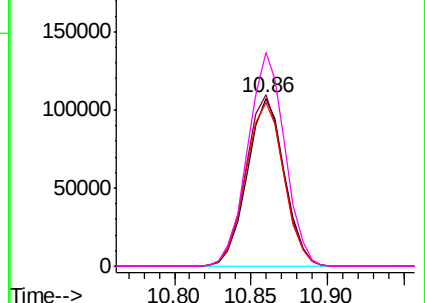
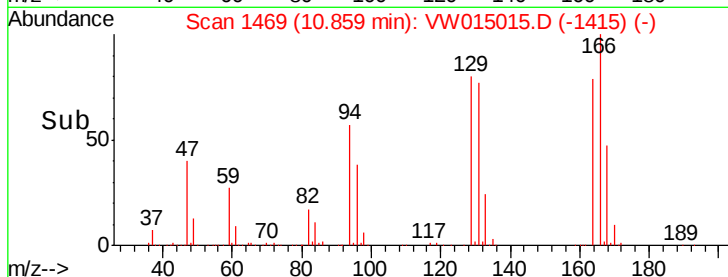


Abundance Ion 164.00 (163.70 to 164.70): V

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: 63.528 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

Tgt Ion: 43 Resp: 380084

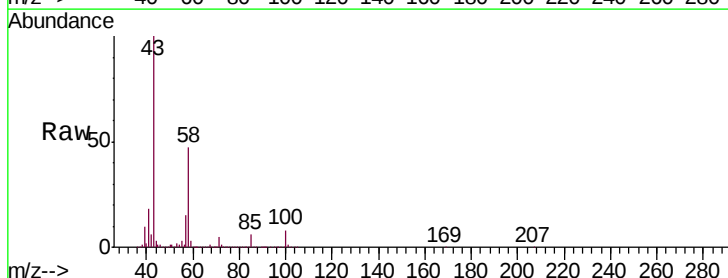
Ion Ratio Lower Upper

43 100

58 47.2 42.2 63.2

57 16.5 14.5 21.7

100 8.0 8.6 12.8#

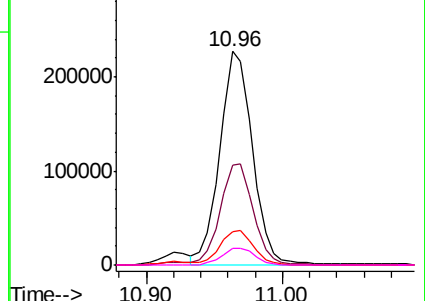
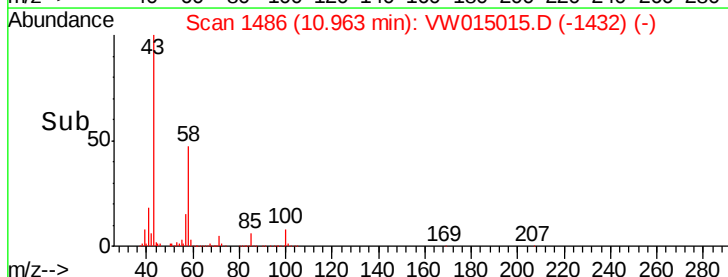


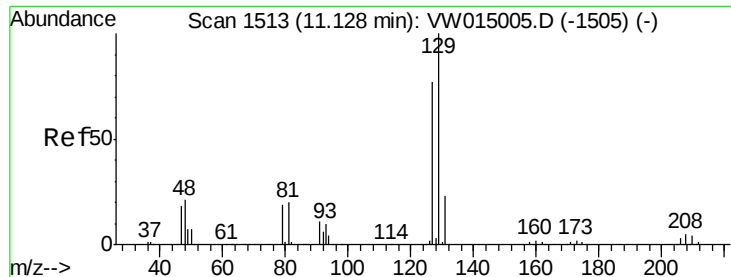
Abundance Ion 43.00 (42.70 to 43.70): VW

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

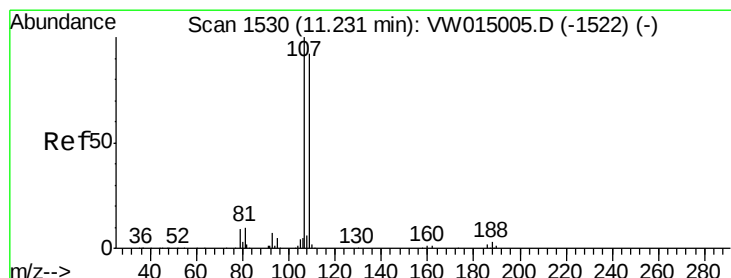
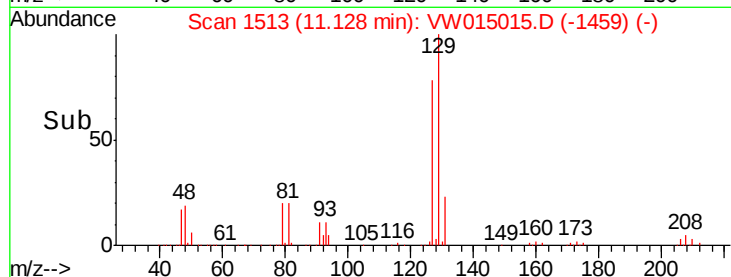
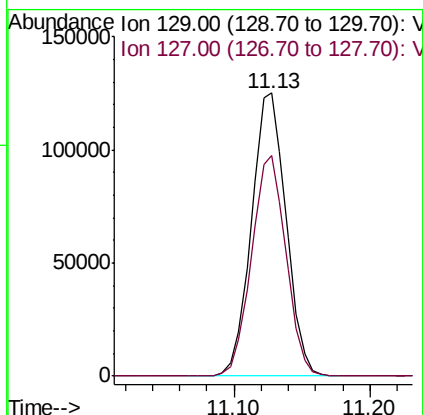
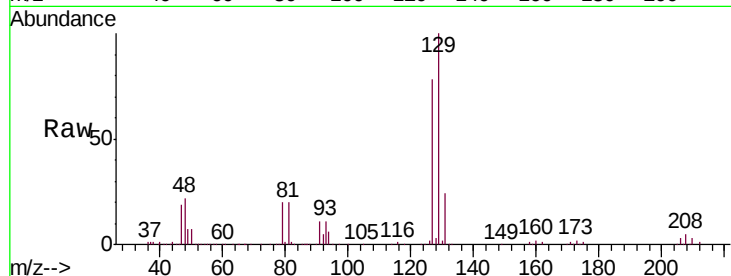




#50
Dibromochloromethane
Concen: 24.317 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015015.D
Acq: 20 Feb 2020 13:01

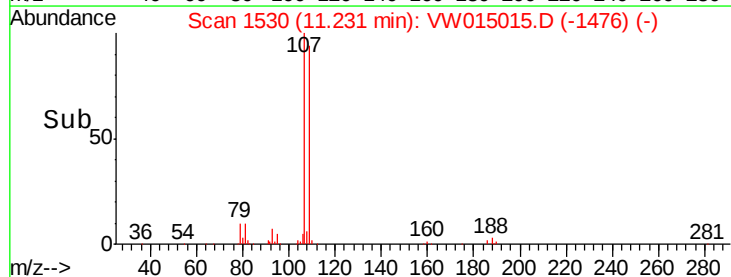
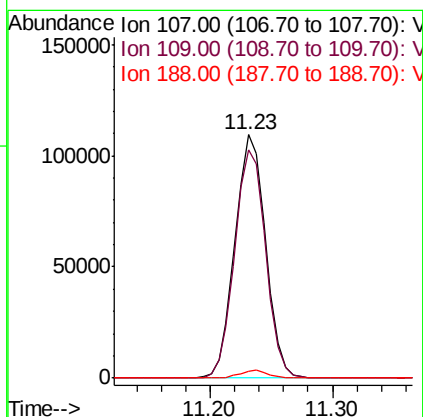
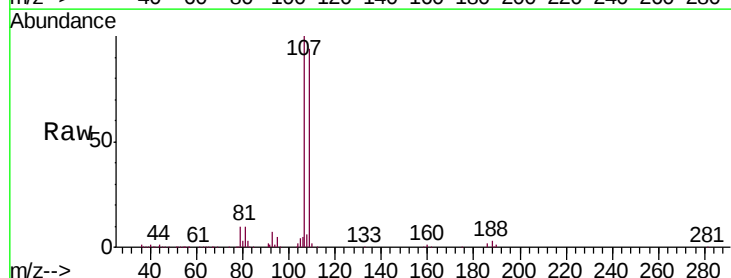
Instrument :
MSVOA_W
ClientSampleId :

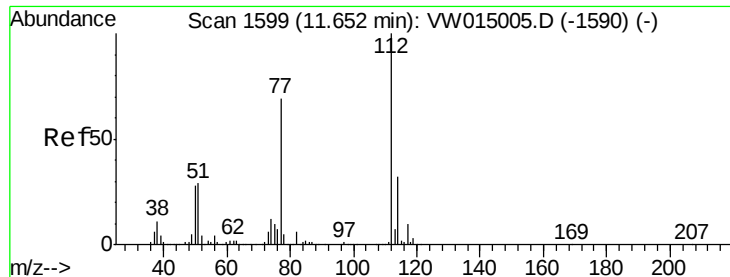
Tgt Ion:129 Resp: 223488
Ion Ratio Lower Upper
129 100
127 78.1 54.1 100.5



#51
1,2-Dibromoethane
Concen: 23.899 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW015015.D
Acq: 20 Feb 2020 13:01

Tgt Ion:107 Resp: 190149
Ion Ratio Lower Upper
107 100
109 93.6 65.0 120.6
188 3.0 2.4 3.6





#52

Chlorobenzene

Concen: 23.223 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

Instrument :

MSVOA_W

ClientSampled :

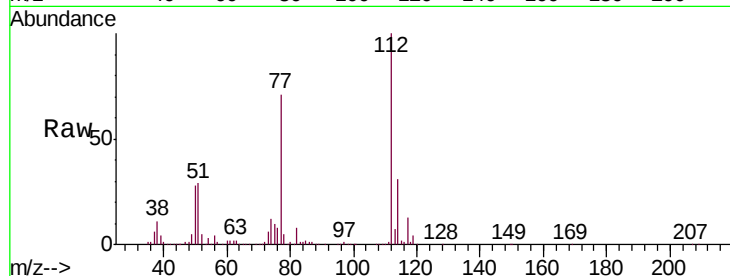
Tgt Ion: 112 Resp: 699678

Ion Ratio Lower Upper

112 100

77 70.5 49.9 74.9

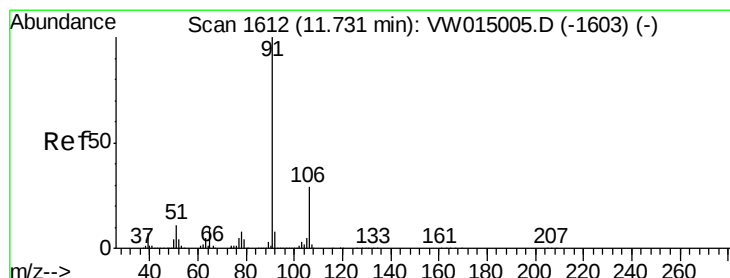
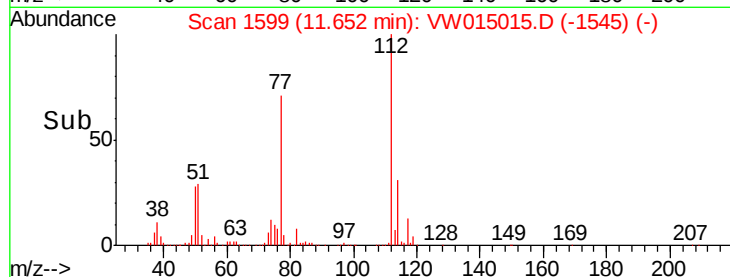
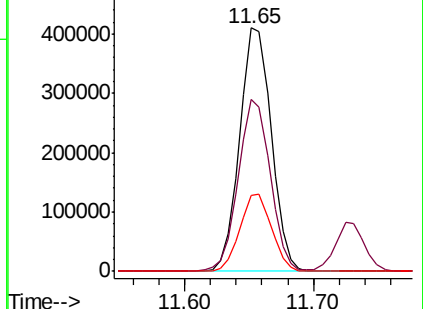
114 31.3 22.7 42.1



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



#53

Ethylbenzene

Concen: 25.533 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015015.D

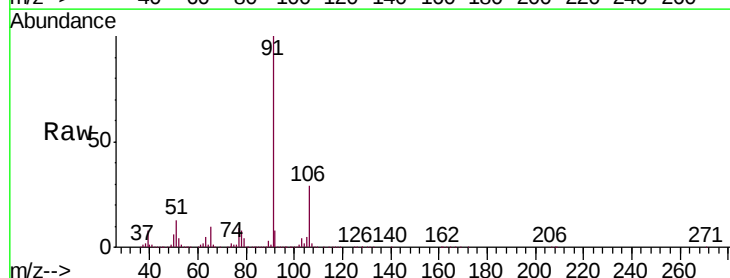
Acq: 20 Feb 2020 13:01

Tgt Ion: 91 Resp: 1376493

Ion Ratio Lower Upper

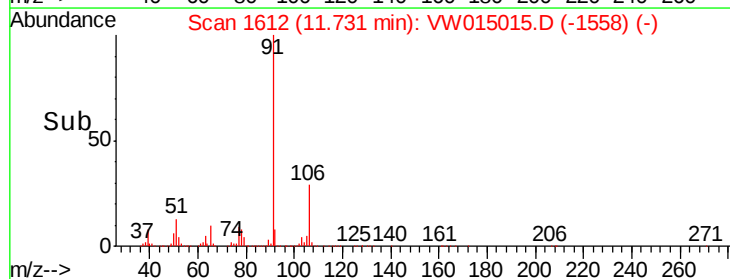
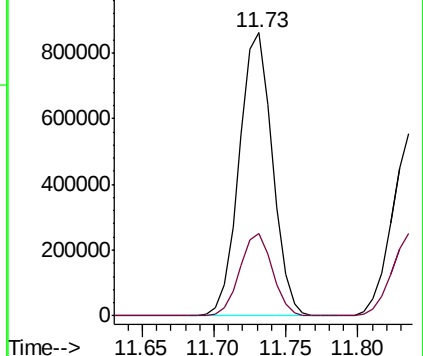
91 100

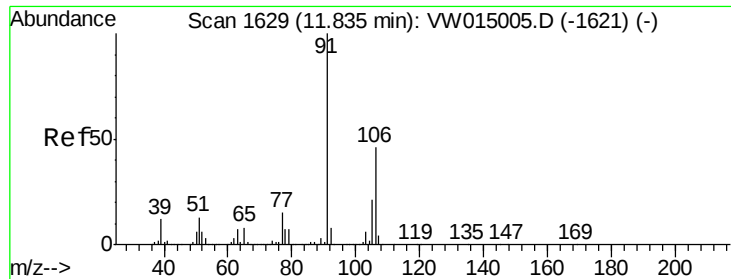
106 29.3 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 24.460 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

Instrument :

MSVOA_W

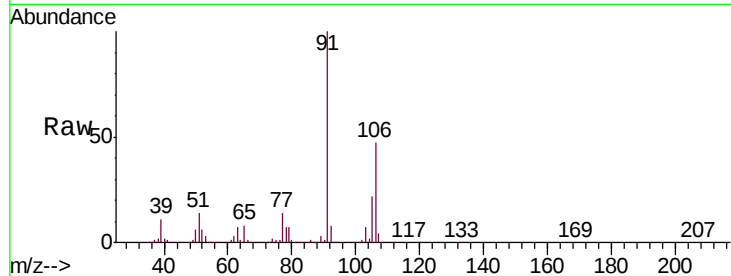
ClientSampled :

Tgt Ion:106 Resp: 481661

Ion Ratio Lower Upper

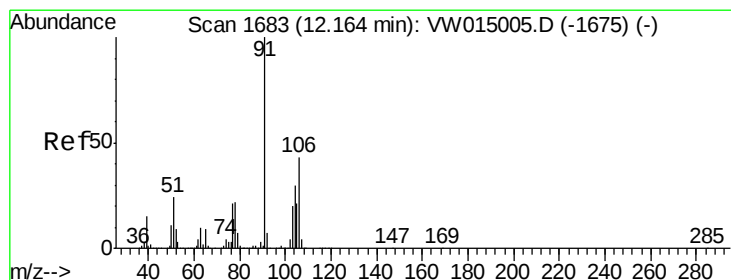
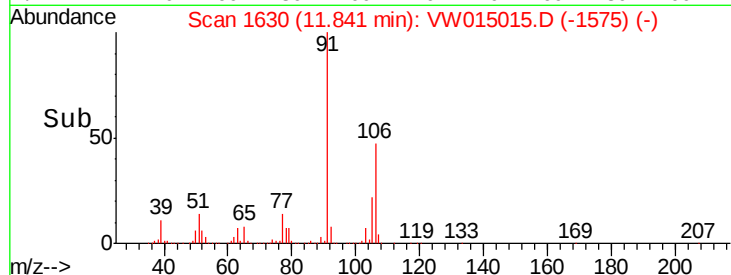
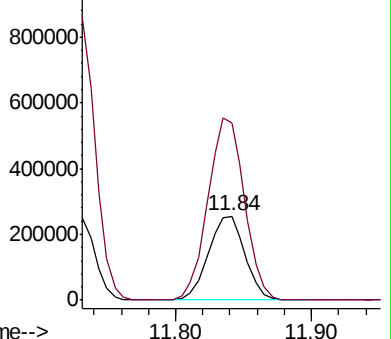
106 100

91 210.9 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 23.991 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015015.D

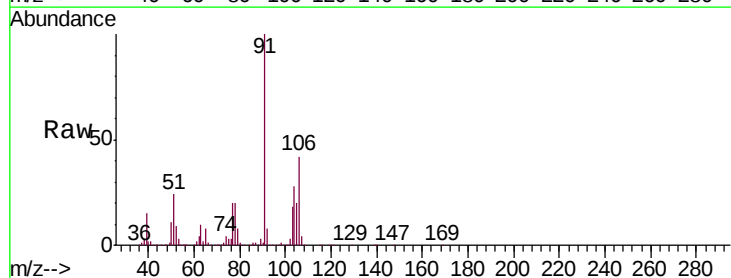
Acq: 20 Feb 2020 13:01

Tgt Ion:106 Resp: 449609

Ion Ratio Lower Upper

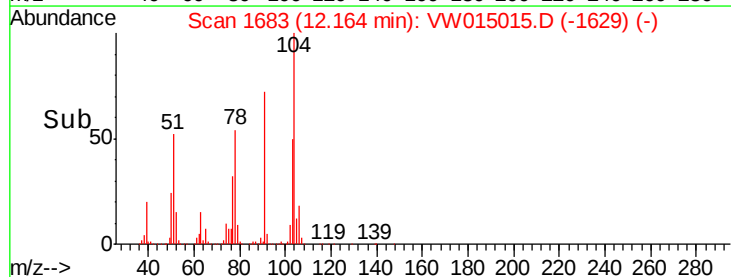
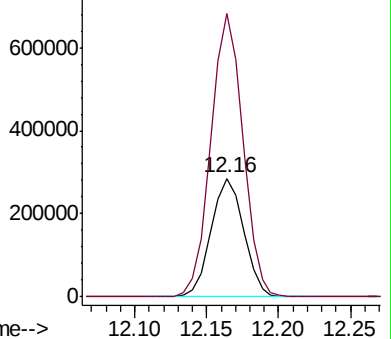
106 100

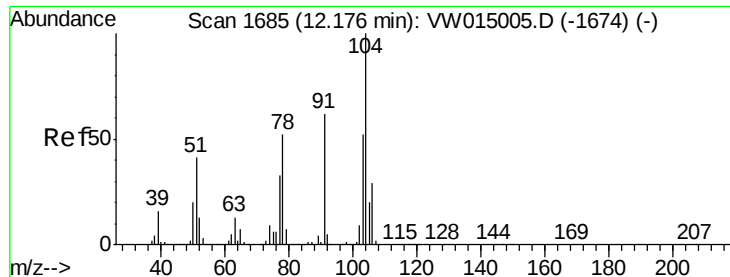
91 238.9 155.0 287.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 25.305 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

Instrument :

MSVOA_W

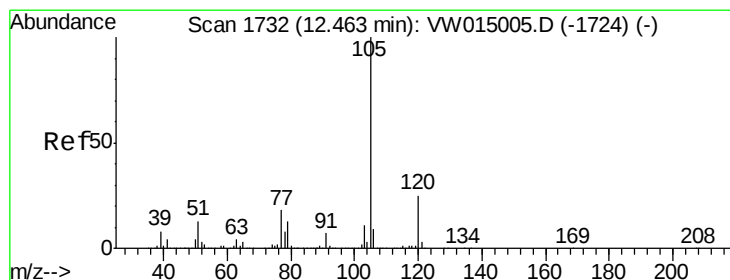
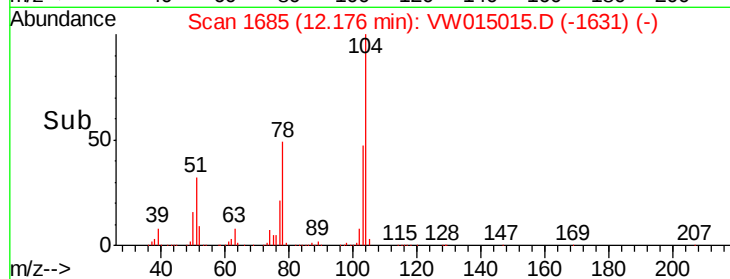
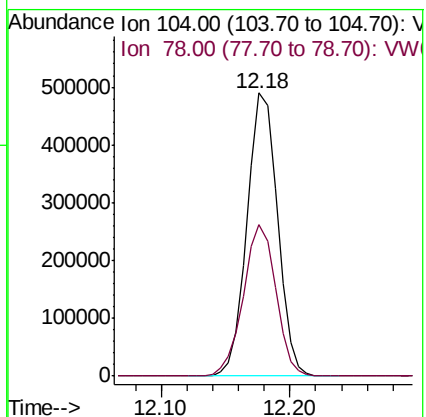
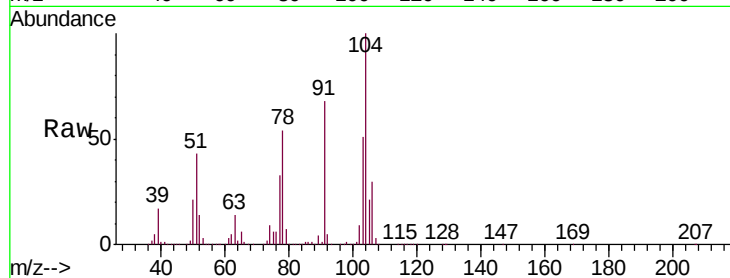
ClientSampled :

Tgt Ion:104 Resp: 801529

Ion Ratio Lower Upper

104 100

78 53.7 33.8 62.8



#57

Isopropylbenzene

Concen: 25.060 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

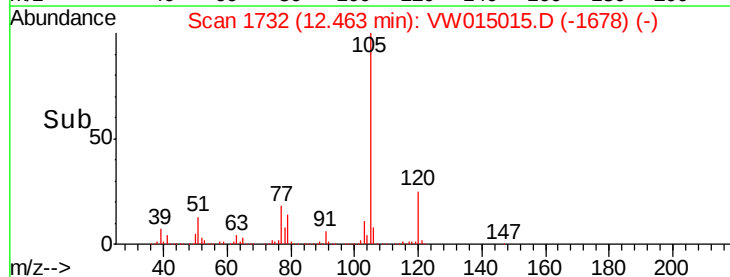
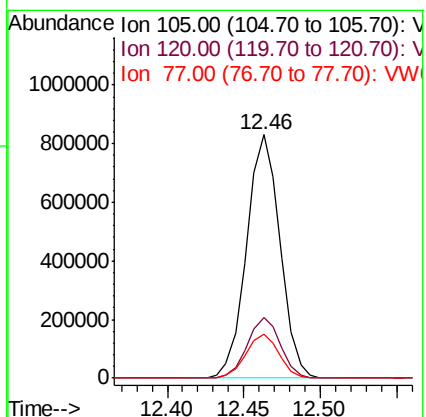
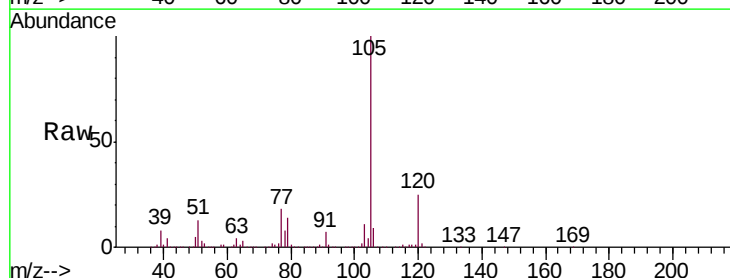
Tgt Ion:105 Resp: 1261295

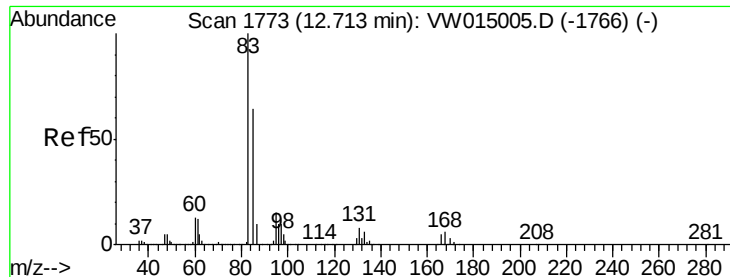
Ion Ratio Lower Upper

105 100

120 24.6 20.4 30.6

77 18.1 13.1 19.7





#58

1,1,2,2-Tetrachloroethane

Concen: 27.214 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

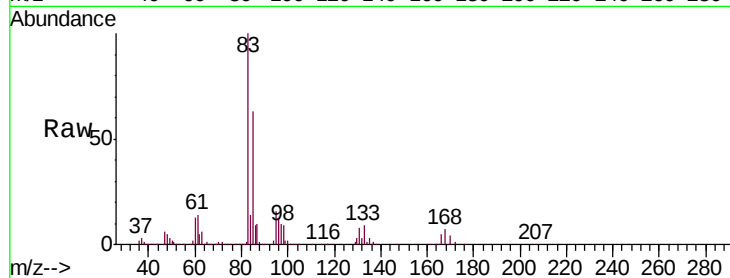
Tgt Ion: 83 Resp: 290471

Ion Ratio Lower Upper

83 100

85 63.4 45.9 85.3

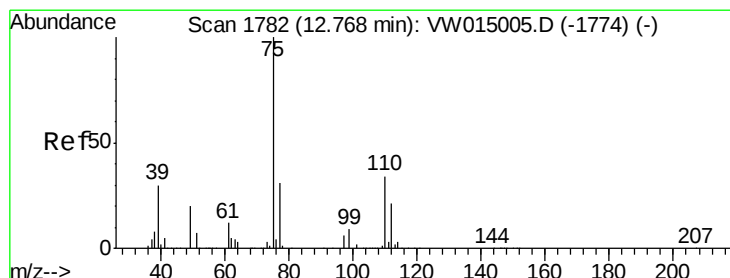
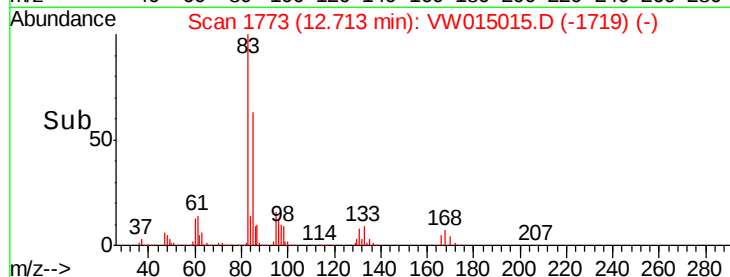
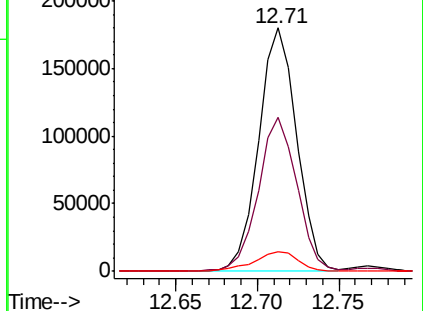
131 8.2 7.3 10.9



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: 27.198 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015015.D

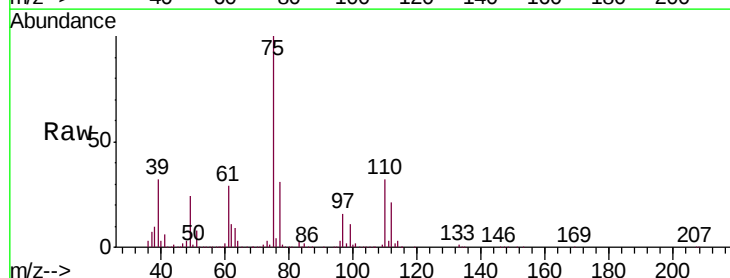
Acq: 20 Feb 2020 13:01

Tgt Ion: 75 Resp: 218404

Ion Ratio Lower Upper

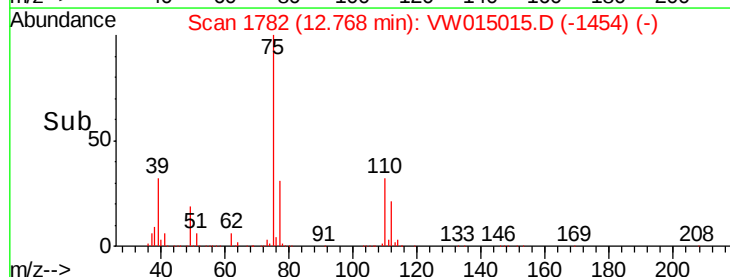
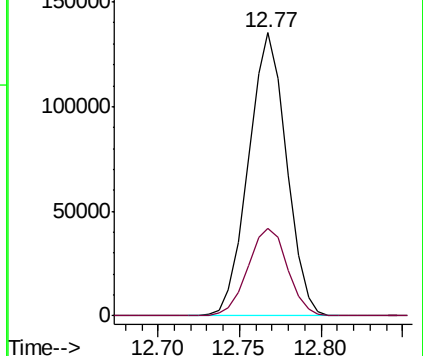
75 100

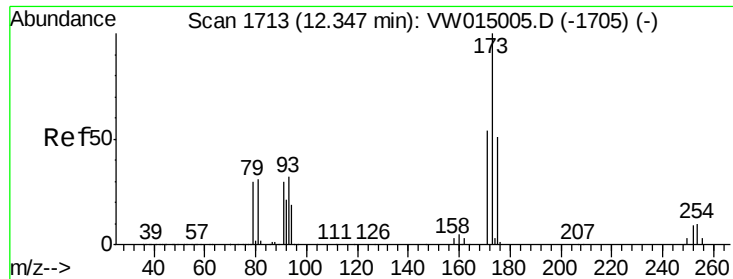
77 32.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#62

Bromoform

Concen: 22.918 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

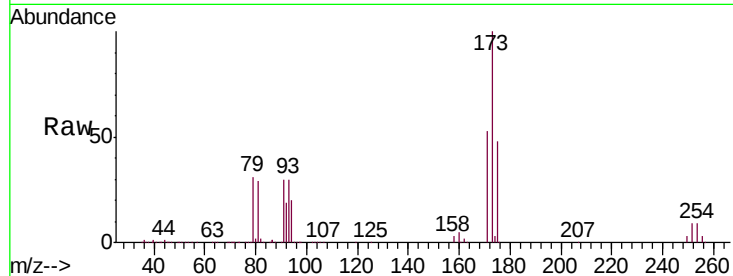
Tgt Ion:173 Resp: 113115

Ion Ratio Lower Upper

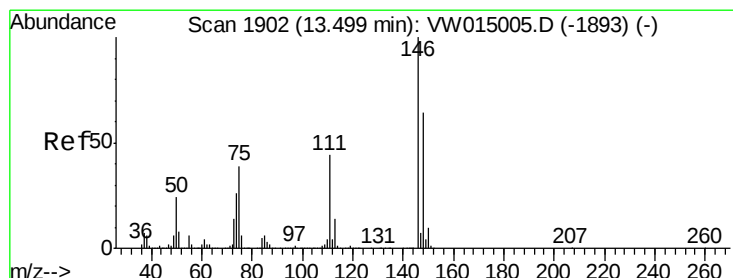
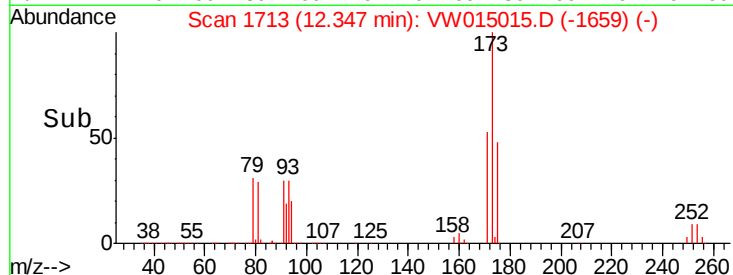
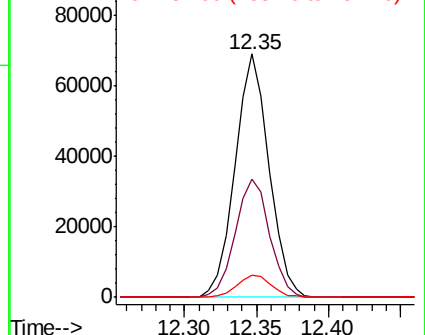
173 100

175 49.3 38.9 58.3

254 9.2 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 22.527 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015015.D

Acq: 20 Feb 2020 13:01

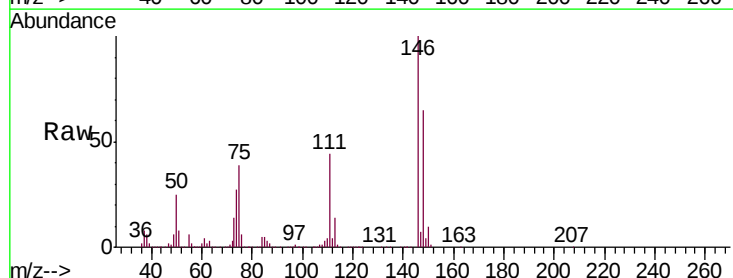
Tgt Ion:146 Resp: 492698

Ion Ratio Lower Upper

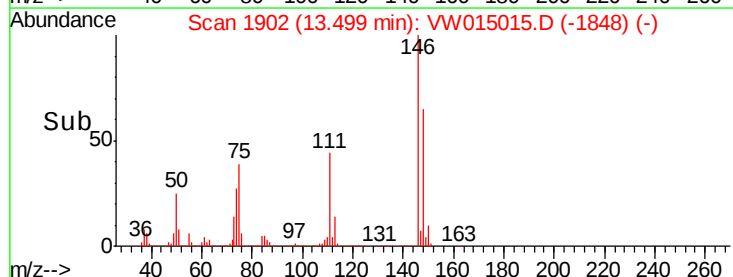
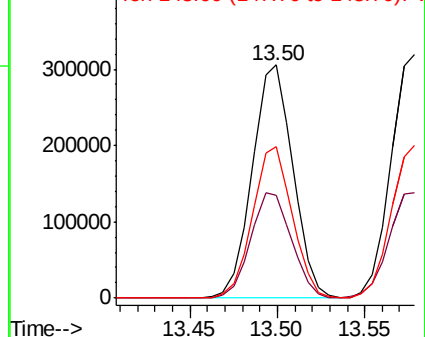
146 100

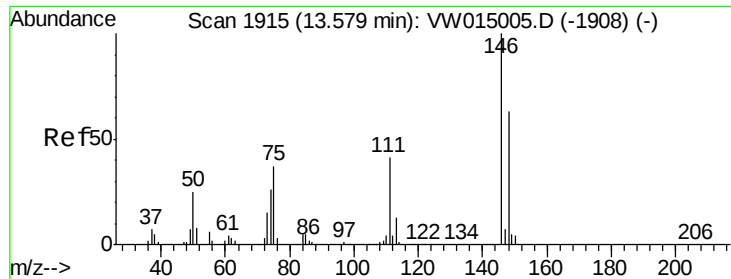
111 44.2 28.6 53.0

148 64.9 43.3 80.5



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

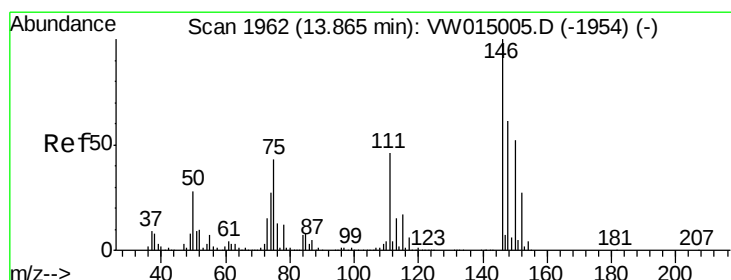
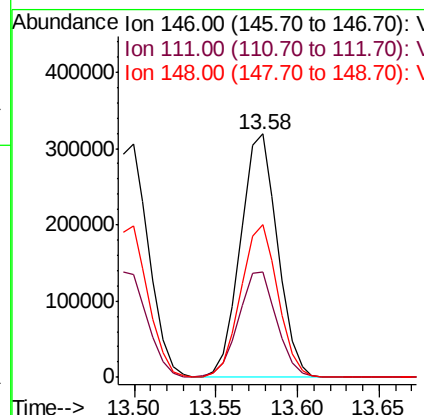
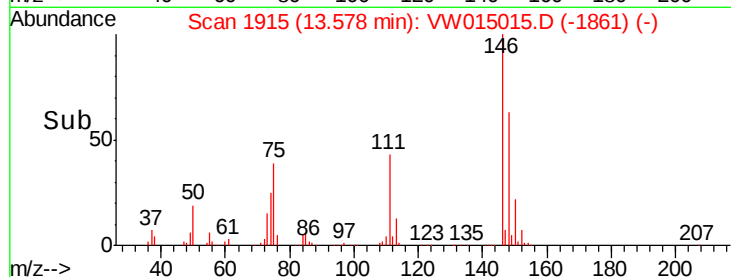
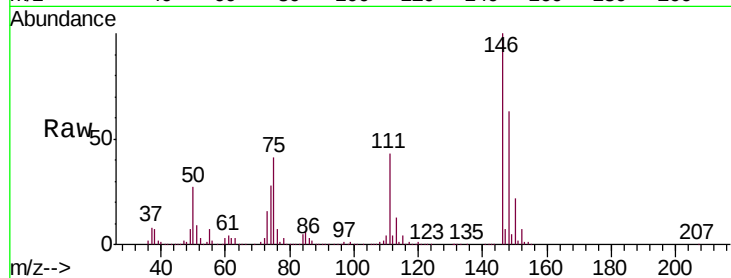




#64
 1,4-Dichlorobenzene
 Concen: 22.954 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015015.D
 Acq: 20 Feb 2020 13:01

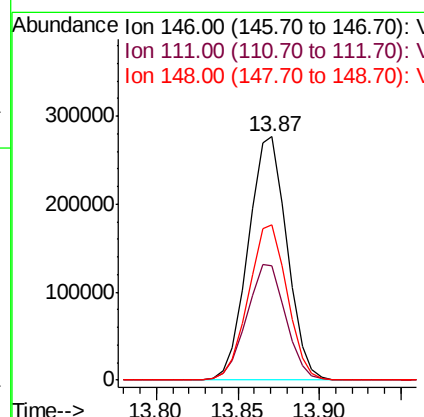
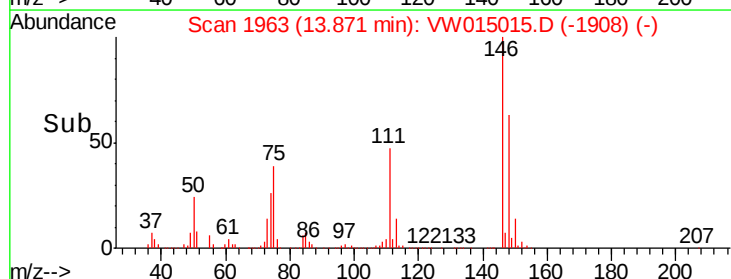
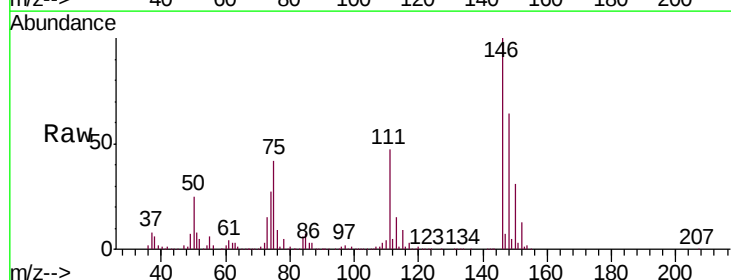
Instrument :
 MSVOA_W
 ClientSampled :

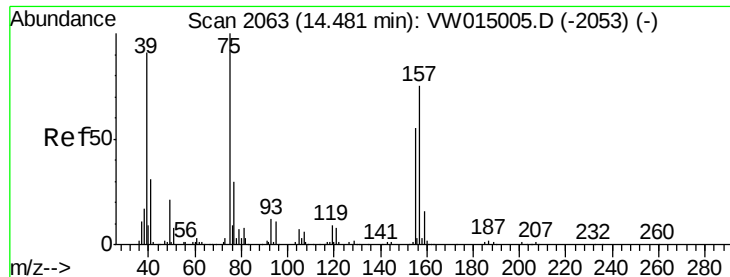
Tgt Ion:146 Resp: 505702
 Ion Ratio Lower Upper
 146 100
 111 43.2 27.9 51.7
 148 62.8 44.0 81.8



#65
 1,2-Dichlorobenzene
 Concen: 22.974 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW015015.D
 Acq: 20 Feb 2020 13:01

Tgt Ion:146 Resp: 459583
 Ion Ratio Lower Upper
 146 100
 111 47.0 35.0 52.6
 148 63.5 51.1 76.7

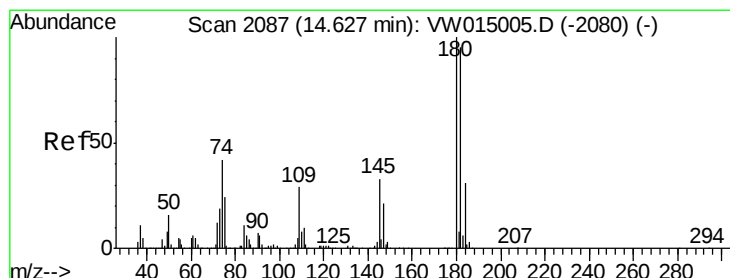
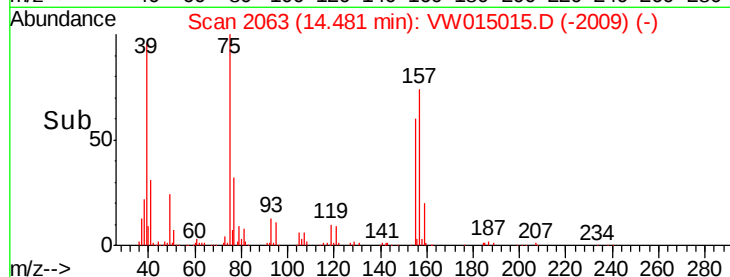
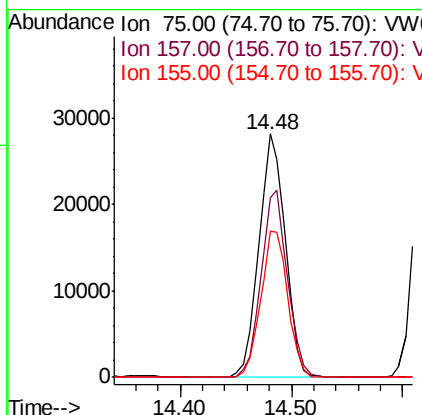
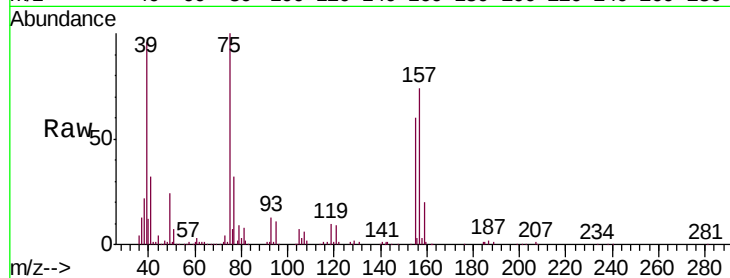




#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.300 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015015.D
 Acq: 20 Feb 2020 13:01

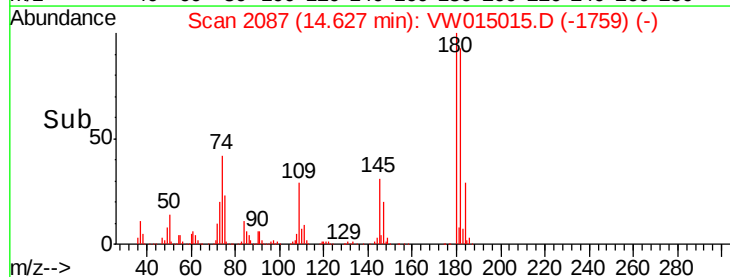
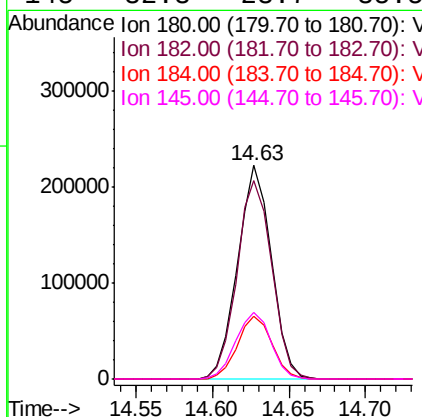
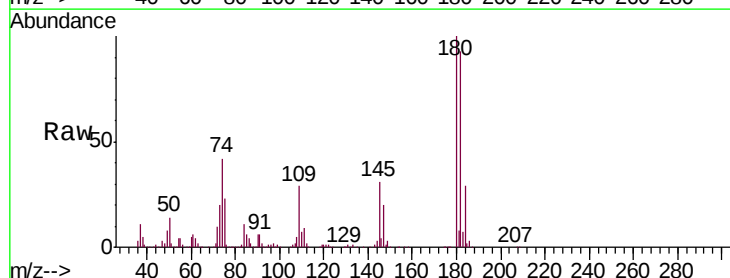
Instrument :
 MSVOA_W
 ClientSampled :

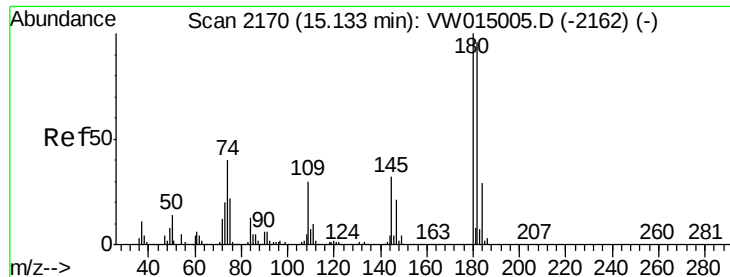
Tgt Ion: 75 Resp: 46565
 Ion Ratio Lower Upper
 75 100
 157 73.7 74.2 111.4#
 155 60.1 56.1 84.1



#67
 1,3,5-Trichlorobenzene
 Concen: 21.813 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015015.D
 Acq: 20 Feb 2020 13:01

Tgt Ion: 180 Resp: 341673
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.5 113.3
 184 30.1 24.6 36.8
 145 32.3 23.7 35.5

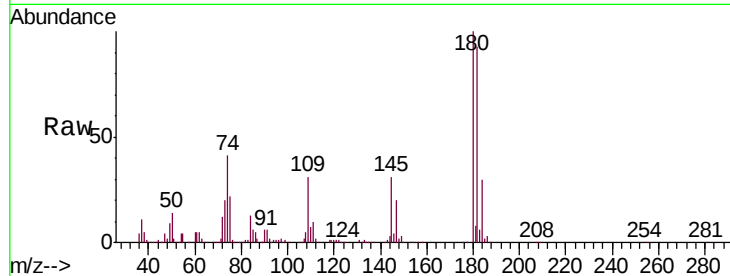




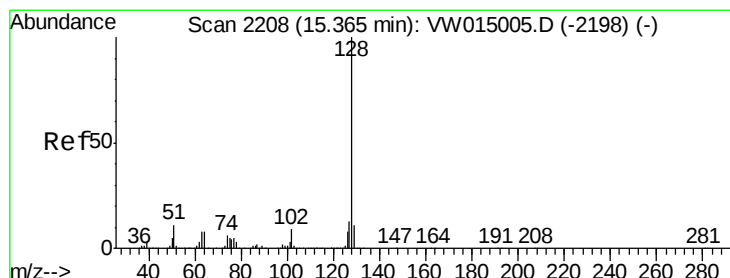
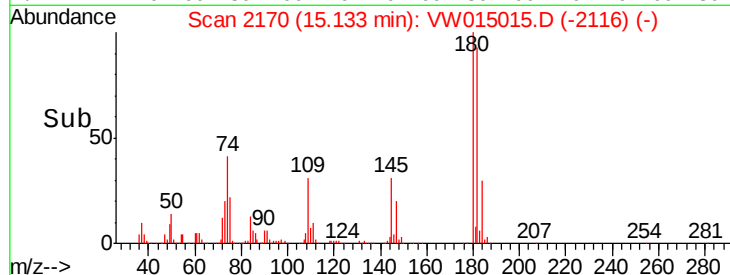
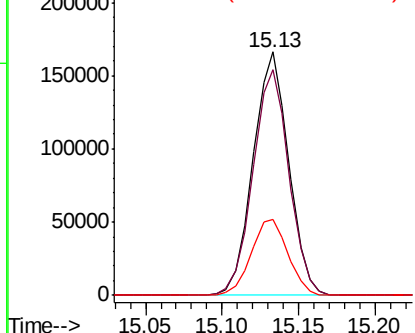
#68
1,2,4-trichlorobenzene
Concen: 21.751 ug/L
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW015015.D
Acq: 20 Feb 2020 13:01

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.4	114.6
145	32.3	24.6	37.0

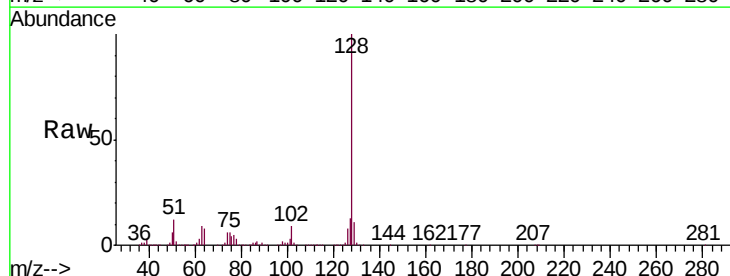


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

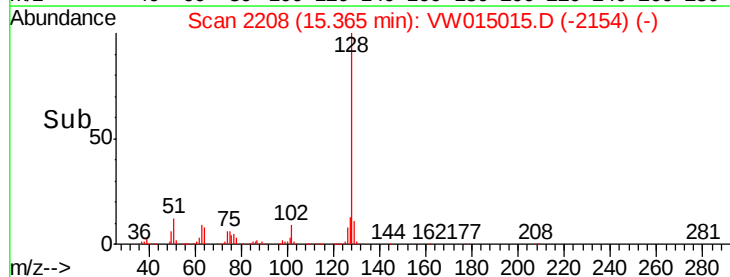
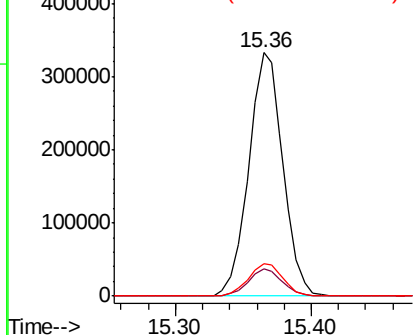


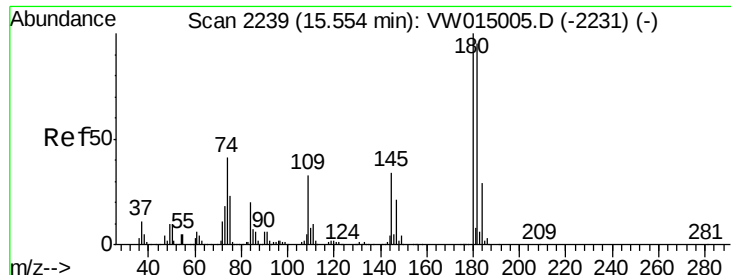
#69
Naphthalene
Concen: 23.948 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW015015.D
Acq: 20 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.5	10.5	15.7



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

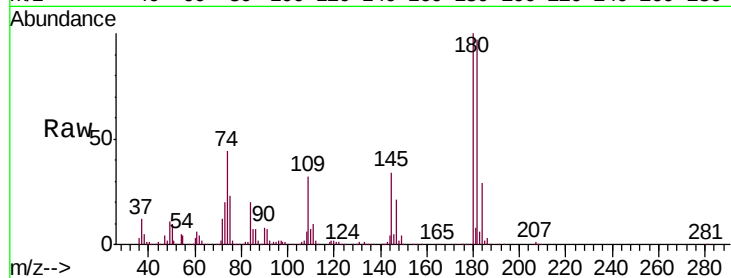




#70
 1,2,3-Trichlorobenzene
 Concen: 21.920 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW015015.D
 Acq: 20 Feb 2020 13:01

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	250495		
182	94.7		75.3	112.9
145	34.2		26.0	39.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

