

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103119\
 Data File : VW013854.D
 Acq On : 31 Oct 2019 13:01
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 01 02:07:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 31 13:22:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	309733	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	307232	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	191014	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	108445	23.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.00%
7) Chloroethane-d5	2.89	69	87679	23.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.08%
10) 1,1-Dichloroethene-d2	4.03	63	228545	24.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.88%
20) 2-Butanone-d5	7.07	46	77446	46.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.46%
24) Chloroform-d	7.65	84	226246	23.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.48%
26) 1,2-Dichloroethane-d4	8.31	65	122505	23.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.04%
29) Benzene-d6	8.27	84	476875	23.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.84%
33) 1,2-Dichloropropane-d6	9.27	67	142946	23.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.84%
37) Toluene-d8	10.32	98	456296	23.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.88%
38) trans-1,3-Dichloropropene-	10.58	79	65784	24.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.40%
39) 2-Hexanone-d5	10.92	63	65553	47.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	127306	23.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	172164	23.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	95781	27.968	ug/L	99
3) Chloromethane	2.21	50	97903	26.593	ug/L	100
5) Vinyl chloride	2.37	62	137049	26.255	ug/L	97
6) Bromomethane	2.78	94	88539	26.922	ug/L	100
8) Chloroethane	2.92	64	82188	27.881	ug/L	98
9) Trichlorofluoromethane	3.25	101	59238	26.027	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	135799	26.556	ug/L	98
12) 1,1-Dichloroethene	4.04	96	137947	26.900	ug/L	89
13) Acetone	4.12	43	65359	42.141	ug/L	99
14) Carbon disulfide	4.39	76	407489	27.340	ug/L	97
15) Methyl Acetate	4.67	43	74400	26.053	ug/L	100
16) Methylene chloride	4.92	84	147149	24.301	ug/L	100
17) Methyl tert-butyl Ether	5.42	73	177043	27.726	ug/L #	89
18) trans-1,2-Dichloroethene	5.42	96	144959	26.987	ug/L	95
19) 1,1-Dichloroethane	6.21	63	247435	26.930	ug/L	98
21) 2-Butanone	7.17	43	106622	47.910	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	154196	26.818	ug/L	98

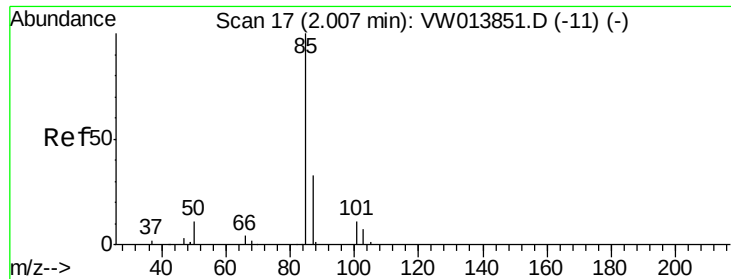
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV103119\
 Data File : VW013854.D
 Acq On : 31 Oct 2019 13:01
 Operator : SY/VA
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Quant Time: Nov 01 02:07:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 31 13:22:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	71147	26.507	ug/L	98
25) Chloroform	7.67	83	244266	26.481	ug/L	100
27) 1,2-Dichloroethane	8.40	62	166021	27.365	ug/L	98
30) Cyclohexane	7.95	56	242396	27.487	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	189385	26.896	ug/L	100
32) Carbon tetrachloride	8.07	117	189725	27.069	ug/L	99
34) Benzene	8.32	78	574613	26.971	ug/L	100
35) Trichloroethene	9.09	95	148623	26.432	ug/L	99
36) Methylcyclohexane	9.34	83	267292	27.460	ug/L	99
40) 1,2-Dichloropropane	9.37	63	141822	26.946	ug/L	100
41) Bromodichloromethane	9.64	83	180145	27.253	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	230268	27.868	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	211376	52.048	ug/L	99
44) Toluene	10.38	91	632155	27.480	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	187462	27.817	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	112760	26.572	ug/L	98
47) Tetrachloroethene	10.86	164	136255	26.982	ug/L	94
49) 2-Hexanone	10.97	43	153242	52.731	ug/L	97
50) Dibromochloromethane	11.13	129	135166	27.398	ug/L	100
51) 1,2-Dibromoethane	11.23	107	110850	26.688	ug/L	96
52) Chlorobenzene	11.66	112	404453	27.111	ug/L	98
53) Ethylbenzene	11.73	91	702461	27.663	ug/L	99
54) m,p-Xylene	11.84	106	274645	27.645	ug/L	98
55) o-xylene	12.16	106	258515	27.647	ug/L	97
56) Styrene	12.18	104	450451	28.076	ug/L	100
57) Isopropylbenzene	12.46	105	692974	27.691	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	139099	26.110	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	104514	25.747	ug/L	99
62) Bromoform	12.35	173	87358	26.285	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	337256	27.052	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	334725	26.469	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	309191	26.831	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	23655	25.972	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	267407	27.881	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	228180	29.661	ug/L	99
69) Naphthalene	15.36	128	446035	30.138	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	206096	28.976	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 27.968 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

Instrument :

MSVOA_W

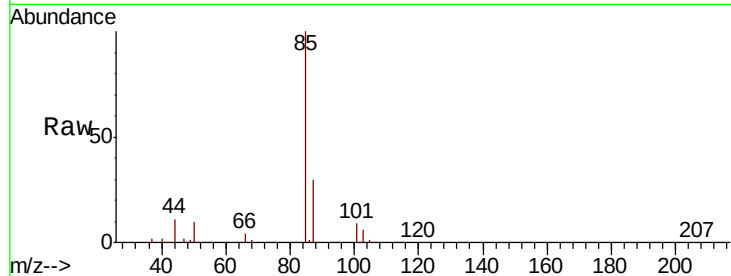
ClientSampleId :

Tot Ion: 85 Resp: 95781

Ion Ratio Lower Upper

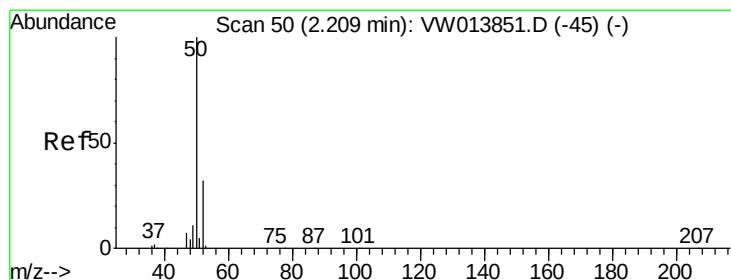
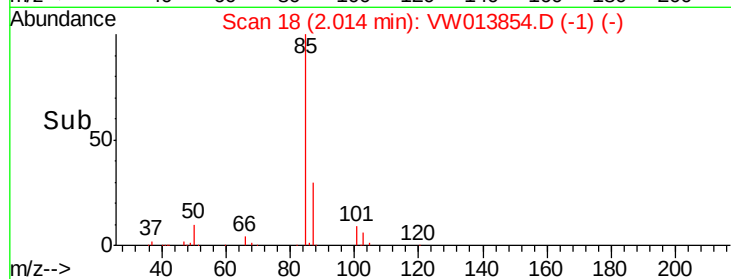
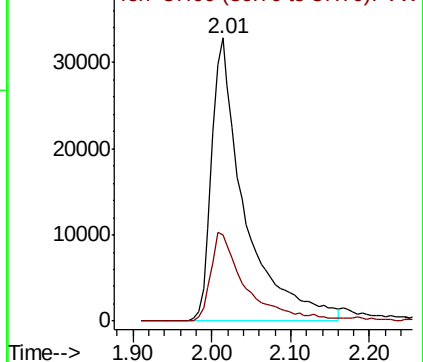
85 100

87 31.4 22.5 41.7



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 26.593 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013854.D

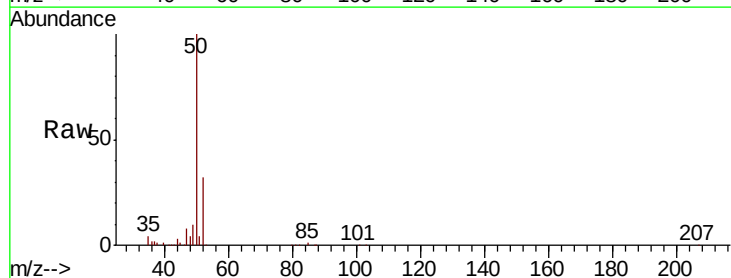
Acq: 31 Oct 2019 13:01

Tgt Ion: 50 Resp: 97903

Ion Ratio Lower Upper

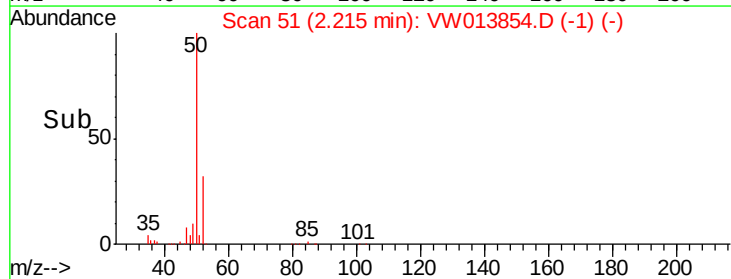
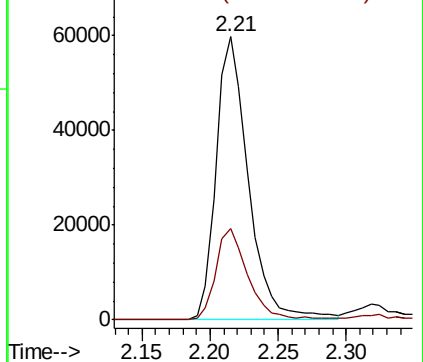
50 100

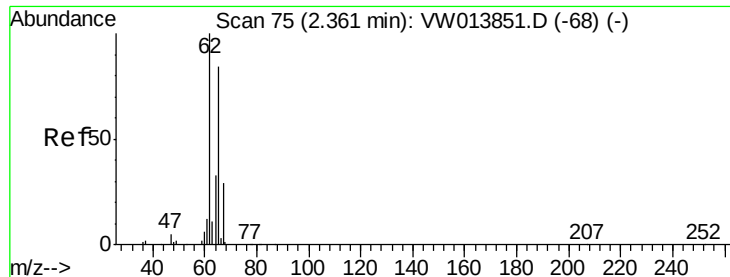
52 32.3 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.255 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

Instrument :

MSVOA_W

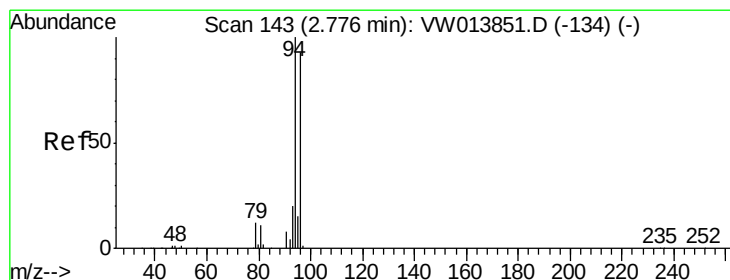
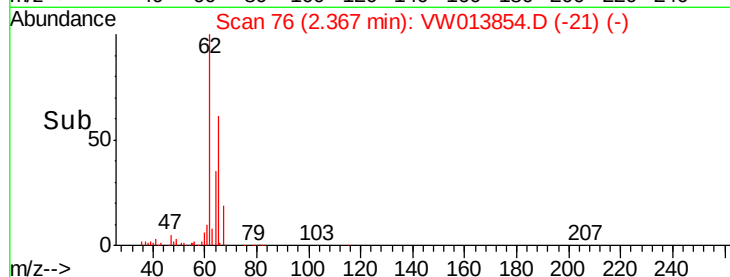
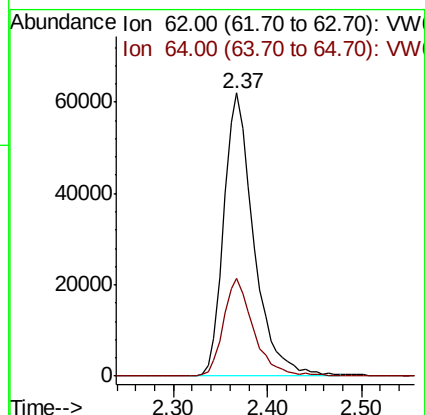
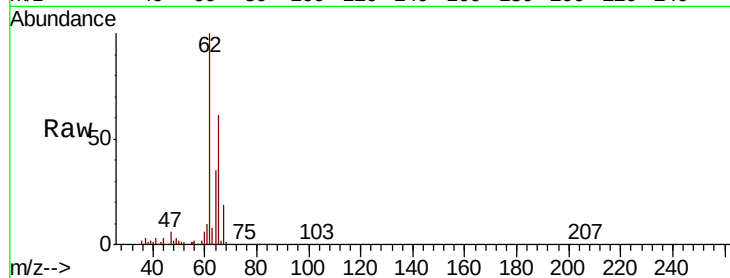
ClientSampleId :

Tot Ion: 62 Resp: 137049

Ion Ratio Lower Upper

62 100

64 34.7 23.3 43.3



#6

Bromomethane

Concen: 26.922 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013854.D

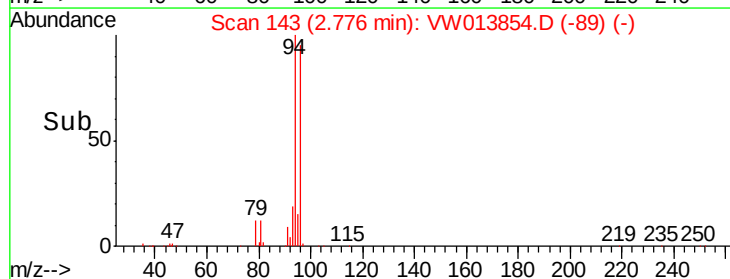
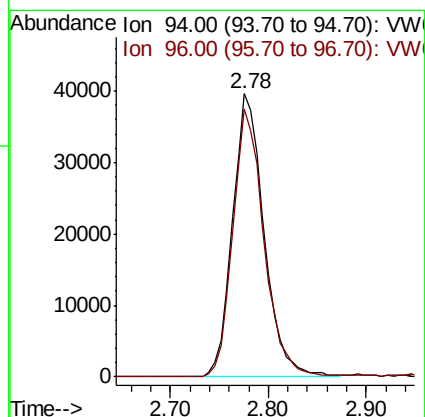
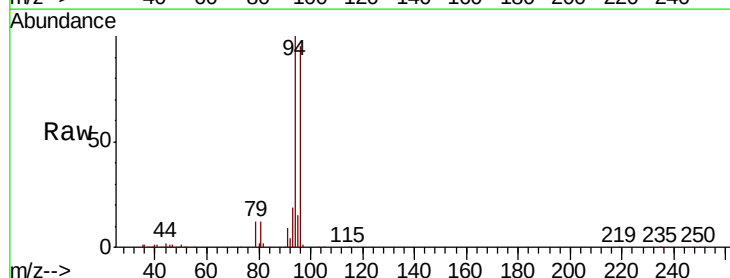
Acq: 31 Oct 2019 13:01

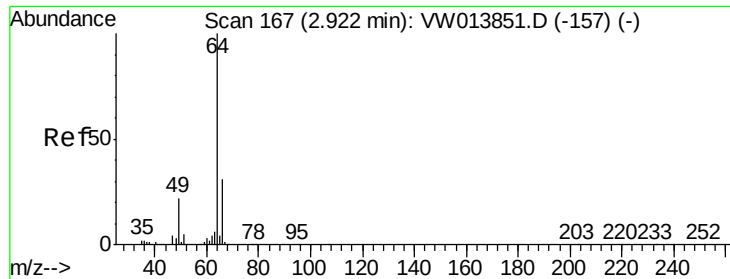
Tgt Ion: 94 Resp: 88539

Ion Ratio Lower Upper

94 100

96 93.6 9.3 177.3





#8

Chloroethane

Concen: 27.881 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

Instrument :

MSVOA_W

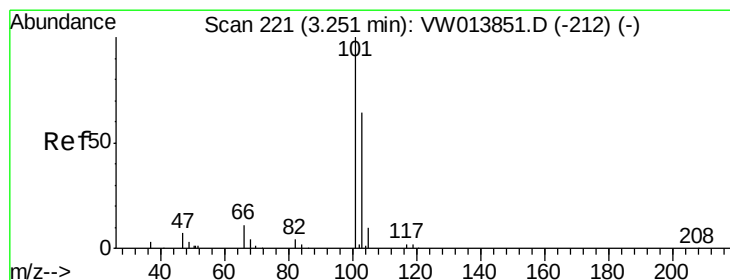
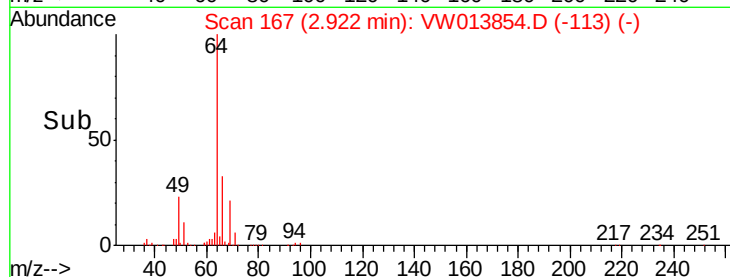
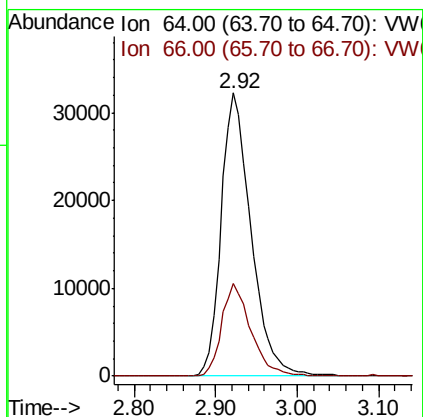
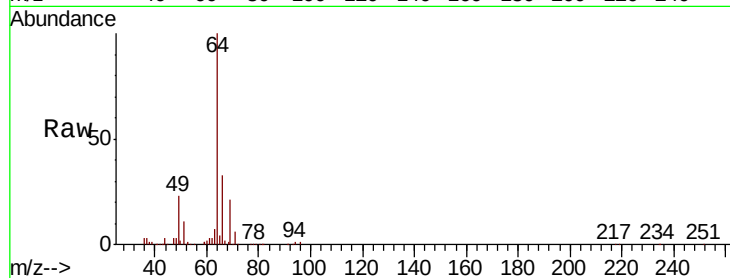
ClientSampleId :

Tot Ion: 64 Resp: 82188

Ion Ratio Lower Upper

64 100

66 32.5 22.0 41.0



#9

Trichlorofluoromethane

Concen: 26.027 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW013854.D

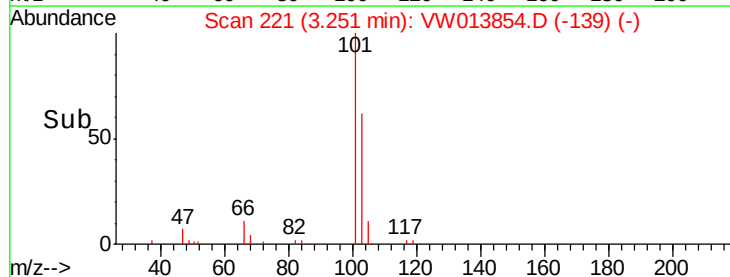
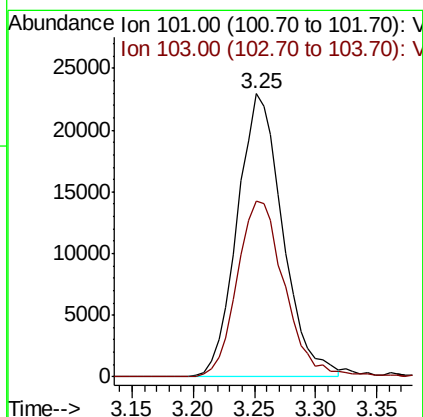
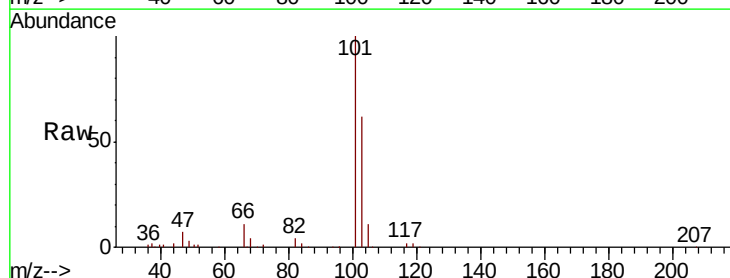
Acq: 31 Oct 2019 13:01

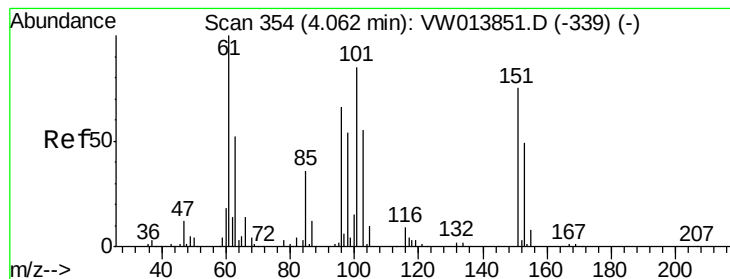
Tgt Ion: 101 Resp: 59238

Ion Ratio Lower Upper

101 100

103 64.9 45.8 85.0





#11

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

Concen: 26.556 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

Instrument :

MSVOA_W

ClientSampled :

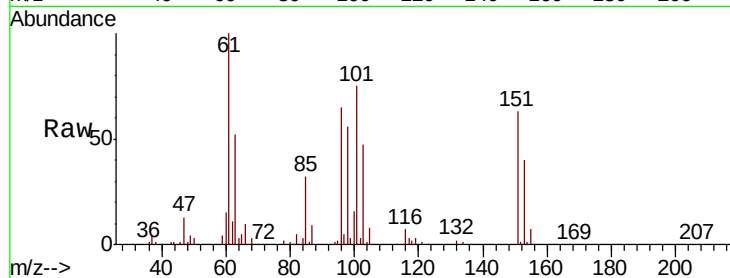
Tot Ion:101 Resp: 135799

Ion Ratio Lower Upper

101 100

85 39.9 32.6 48.8

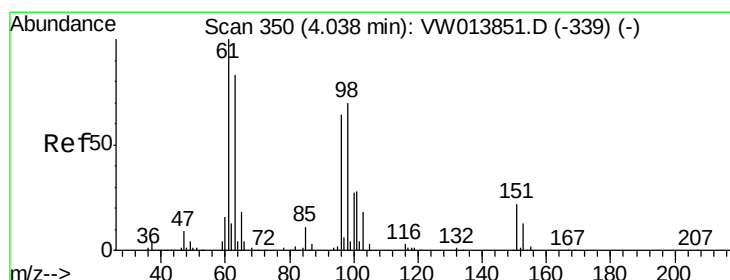
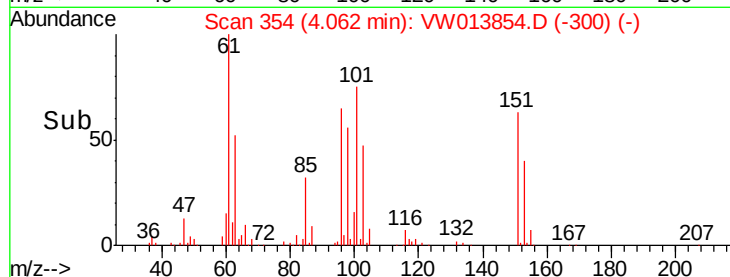
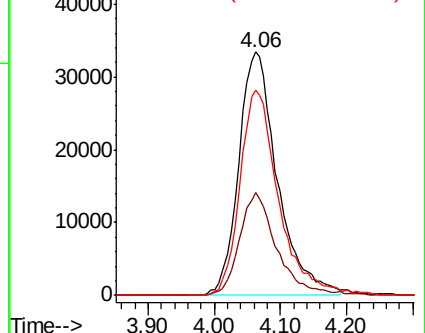
151 82.8 68.2 102.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.900 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

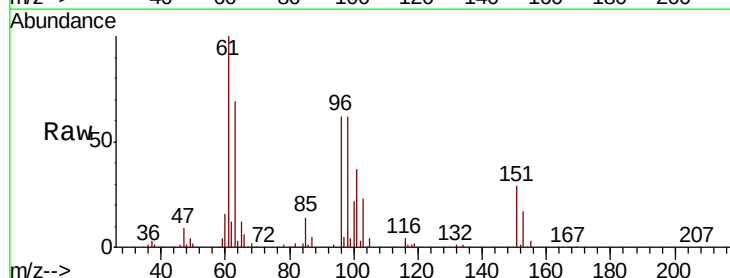
Tgt Ion: 96 Resp: 137947

Ion Ratio Lower Upper

96 100

61 160.8 110.4 205.0

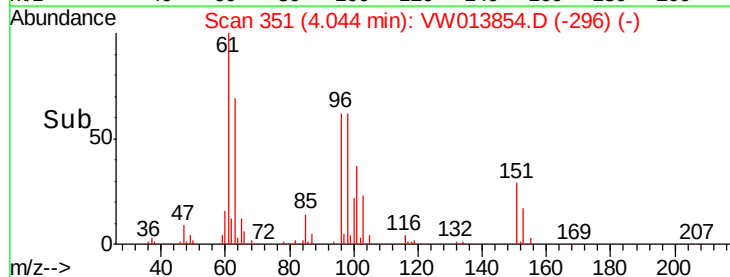
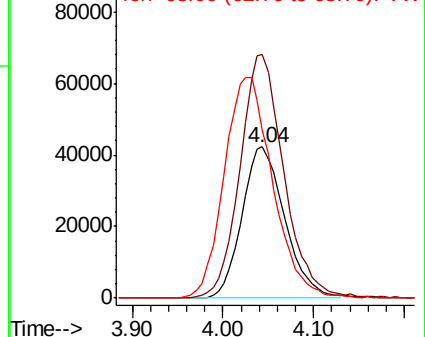
63 110.9 95.5 177.3

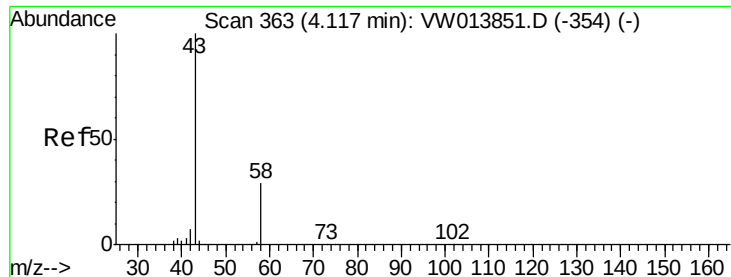


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.141 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

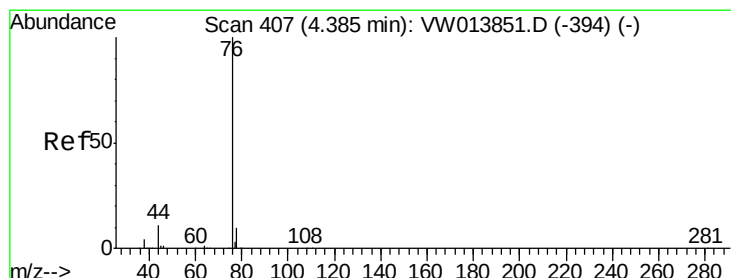
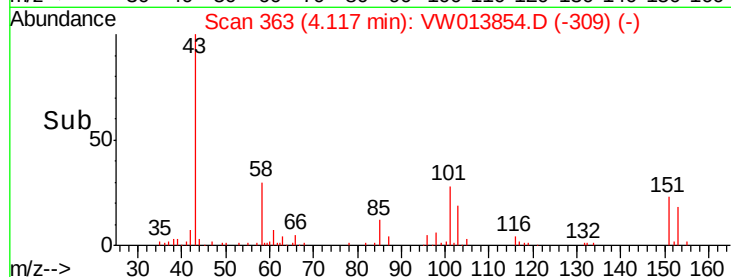
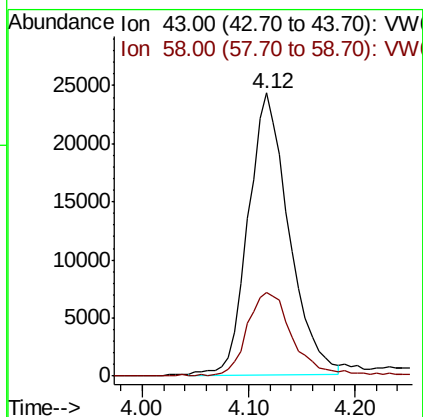
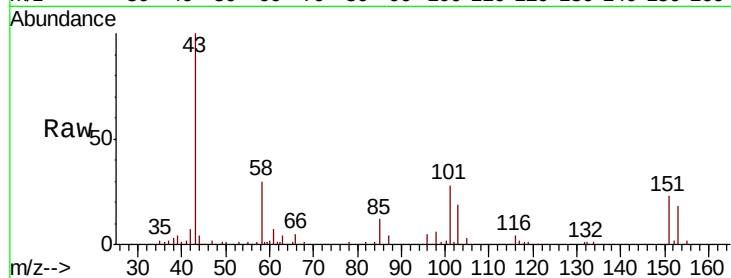
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 65359

Ion Ratio Lower Upper

43 100

58 32.2 0.0 63.4



#14

Carbon disulfide

Concen: 27.340 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW013854.D

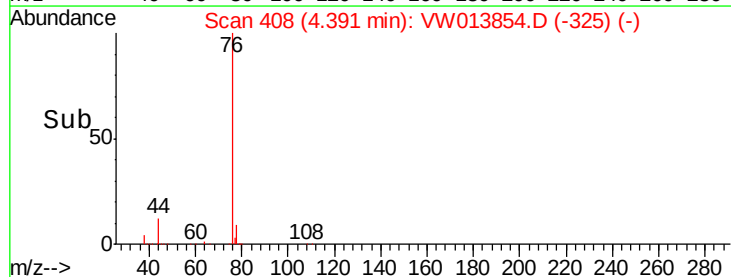
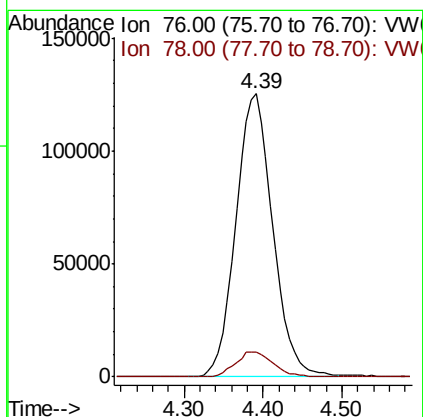
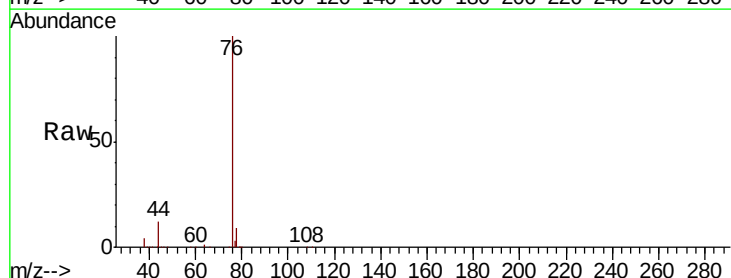
Acq: 31 Oct 2019 13:01

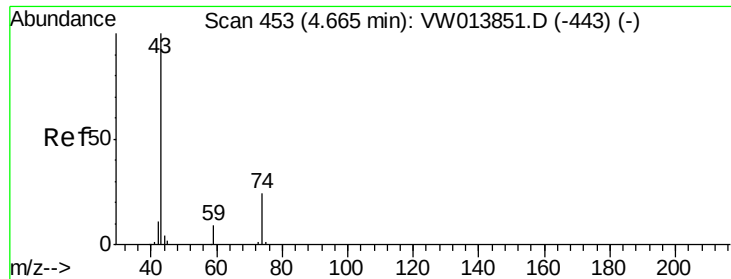
Tgt Ion: 76 Resp: 407489

Ion Ratio Lower Upper

76 100

78 8.6 7.8 11.6

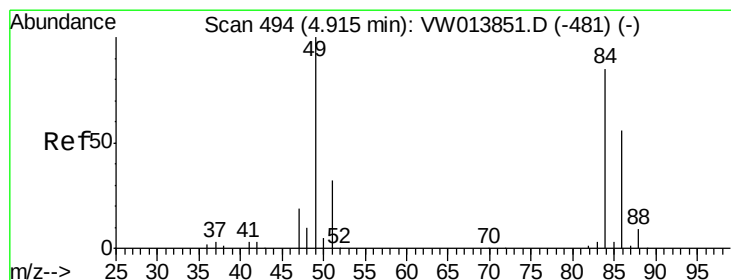
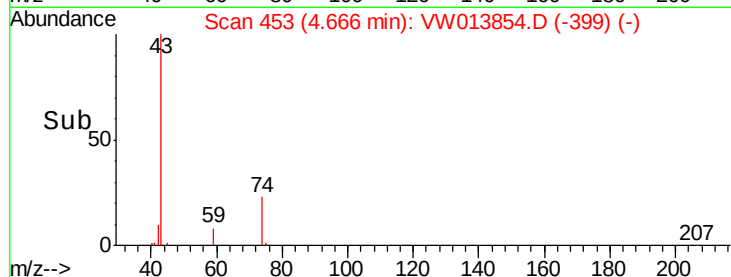
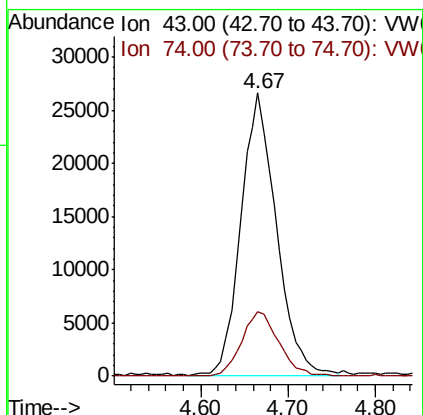
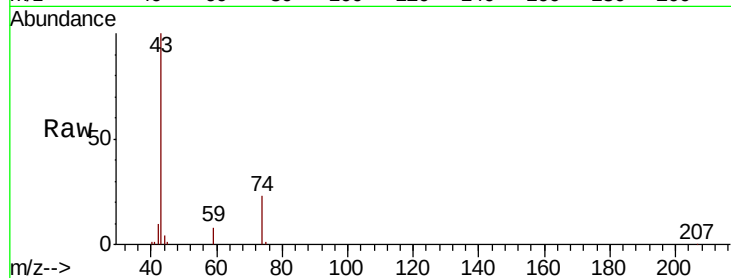




#15
Methyl Acetate
Concen: 26.053 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

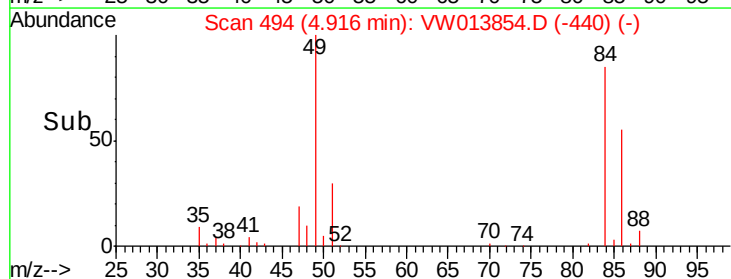
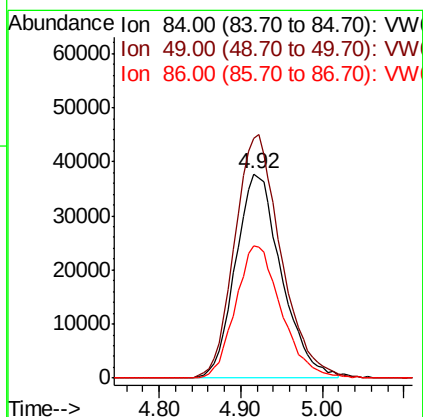
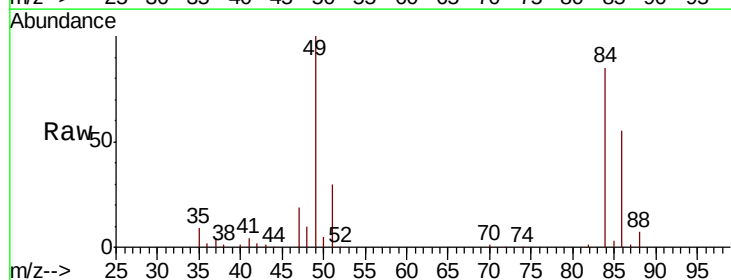
Instrument :
MSVOA_W
ClientSampled :

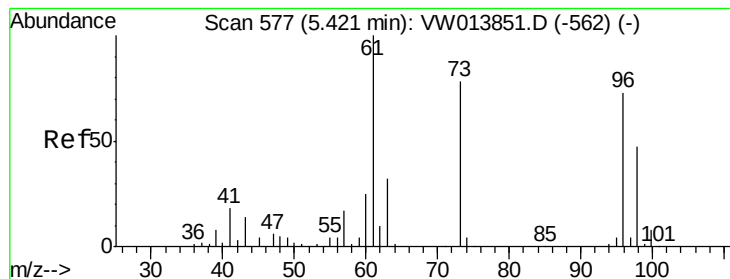
Tot Ion: 43 Resp: 74400
Ion Ratio Lower Upper
43 100
74 23.8 19.2 28.8



#16
Methylene chloride
Concen: 24.301 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

Tgt Ion: 84 Resp: 147149
Ion Ratio Lower Upper
84 100
49 117.8 82.2 152.6
86 64.8 45.6 84.8





#17

Methyl tert-butyl Ether

Concen: 27.726 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

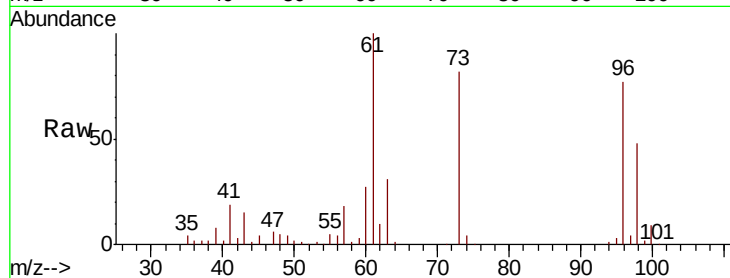
Tot Ion: 73 Resp: 177043

Ion Ratio Lower Upper

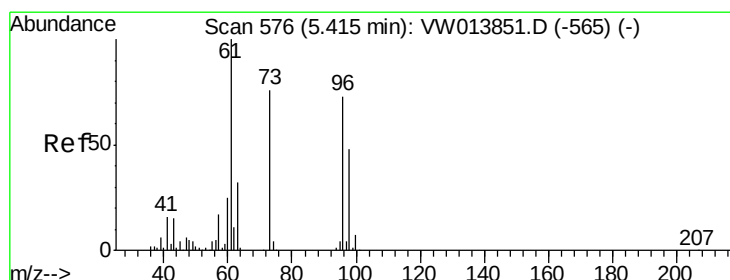
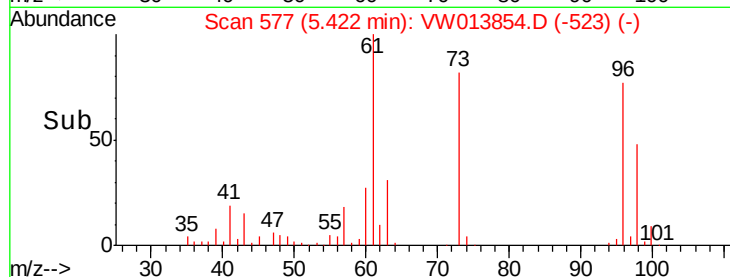
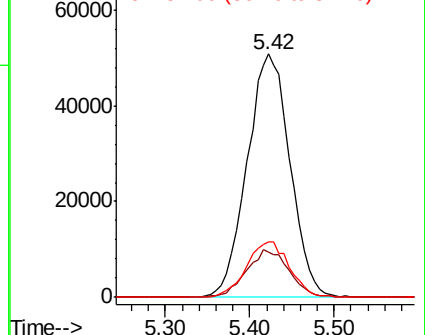
73 100

43 19.5 15.3 22.9

57 22.8 9.4 14.2#



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



#18

trans-1,2-Dichloroethene

Concen: 26.987 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

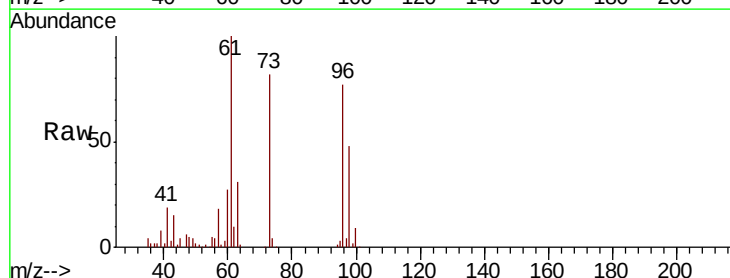
Tgt Ion: 96 Resp: 144959

Ion Ratio Lower Upper

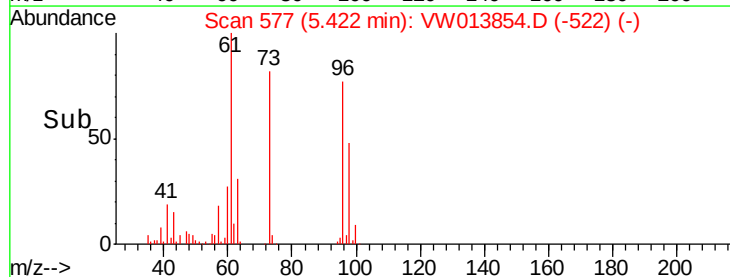
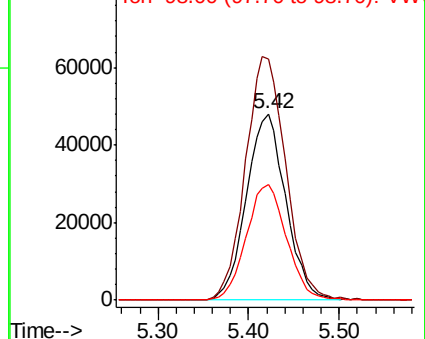
96 100

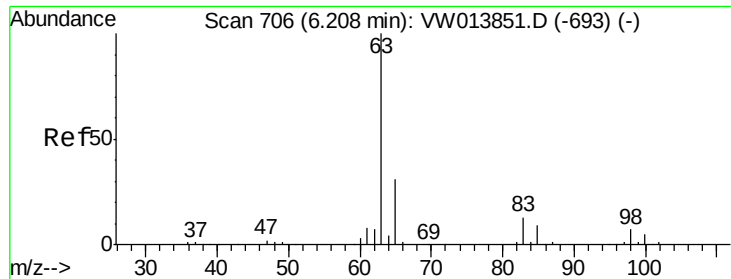
61 129.3 95.5 177.4

98 61.9 45.4 84.4



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

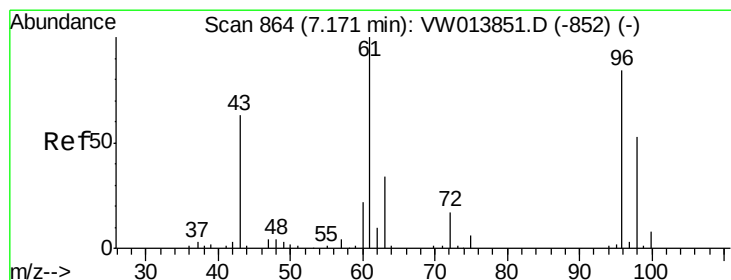
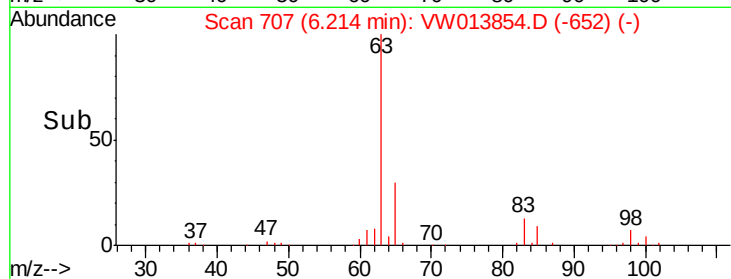
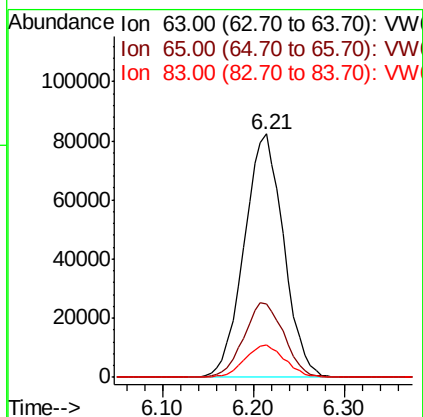
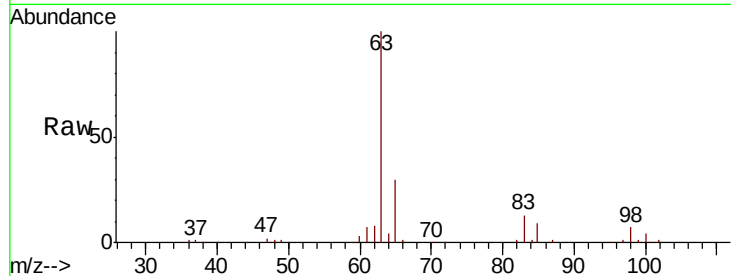




#19
 1,1-Dichloroethane
 Concen: 26.930 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW013854.D
 Acq: 31 Oct 2019 13:01

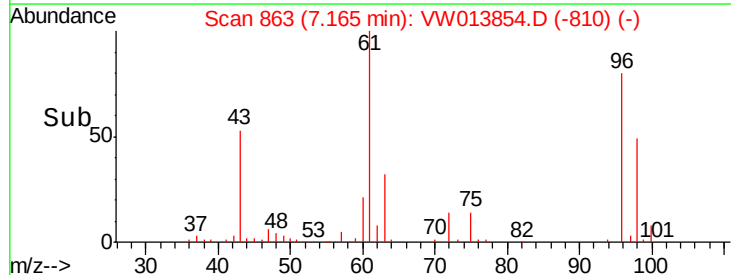
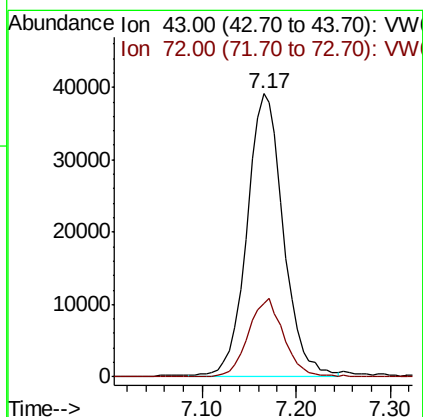
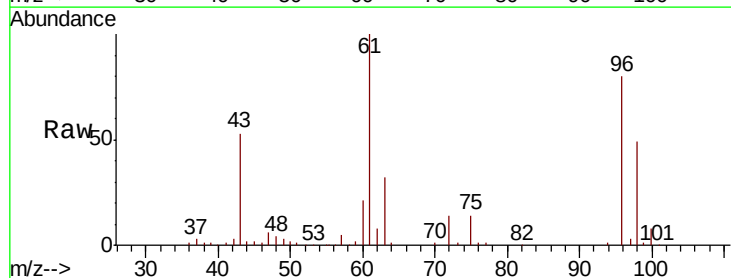
Instrument :
 MSVOA_W
 ClientSampleId :

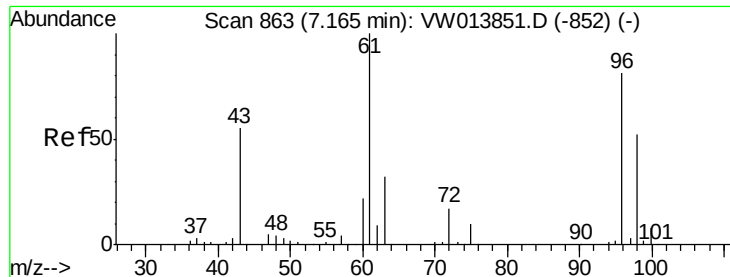
Tot Ion: 63 Resp: 247435
 Ion Ratio Lower Upper
 63 100
 65 30.1 22.0 40.8
 83 13.3 9.1 16.9



#21
 2-Butanone
 Concen: 47.910 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013854.D
 Acq: 31 Oct 2019 13:01

Tgt Ion: 43 Resp: 106622
 Ion Ratio Lower Upper
 43 100
 72 26.7 14.0 41.9



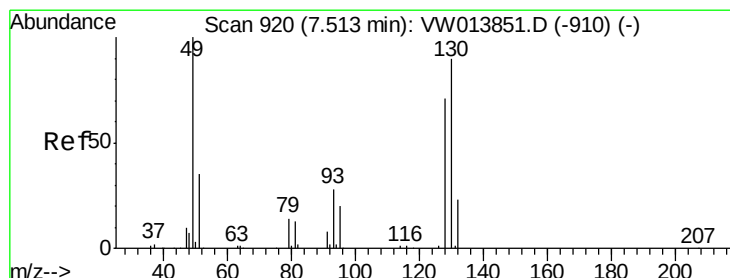
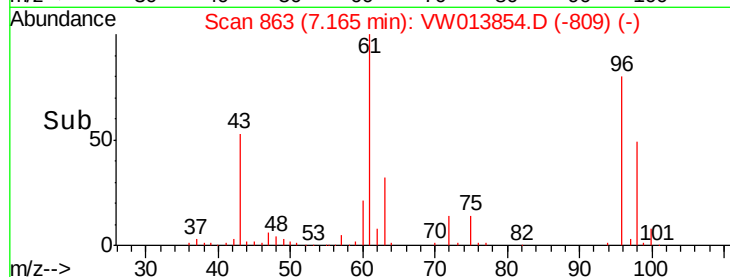
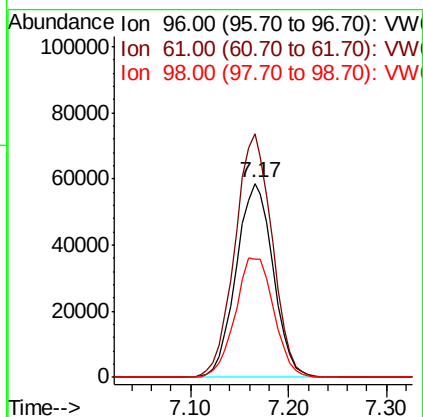
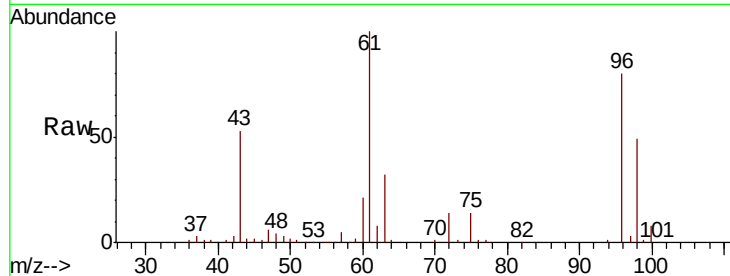


#22

cis-1,2-Dichloroethene
Concen: 26.818 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

Instrument :
MSVOA_W
ClientSampled :

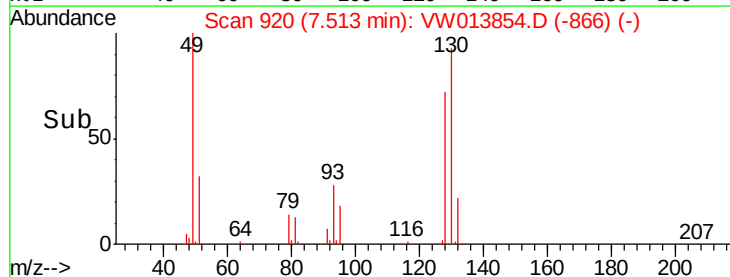
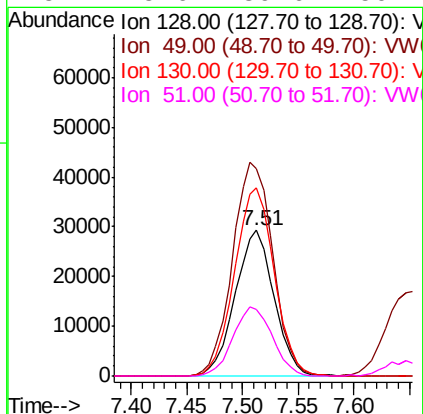
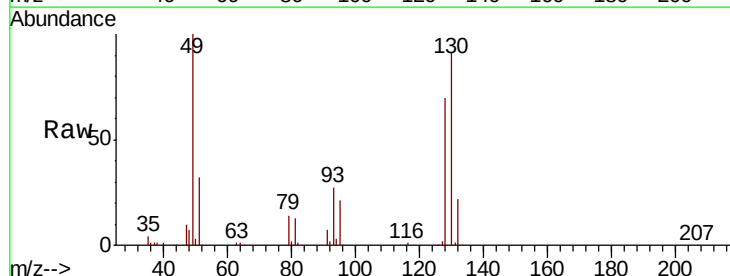
Tot Ion: 96 Resp: 154196
Ion Ratio Lower Upper
96 100
61 125.5 86.6 160.8
98 61.0 44.5 82.7

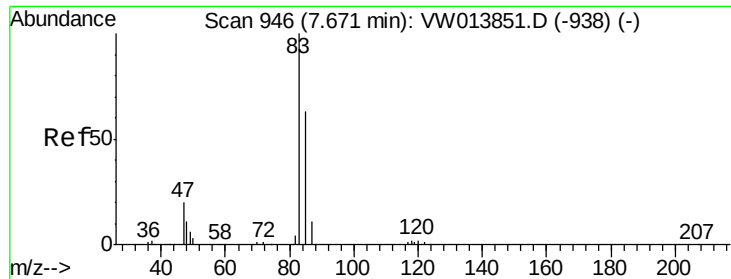


#23

Bromochloromethane
Concen: 26.507 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

Tgt Ion:128 Resp: 71147
Ion Ratio Lower Upper
128 100
49 142.3 99.1 184.1
130 128.8 88.8 164.8
51 45.6 39.6 59.4

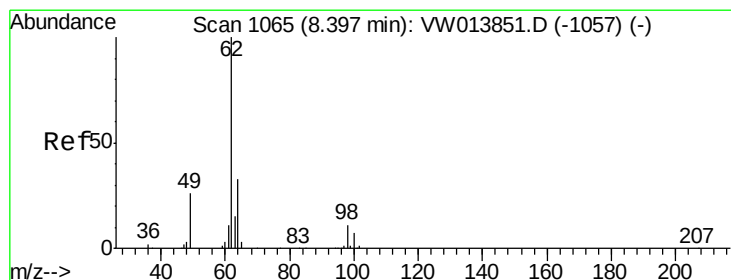
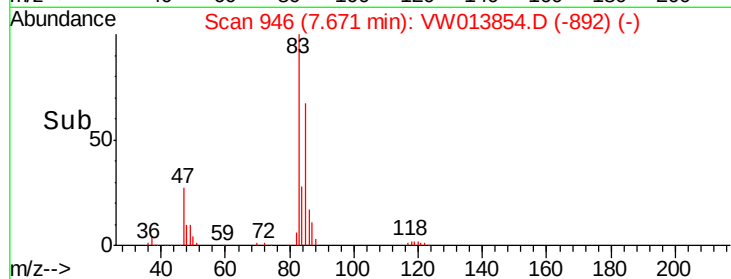
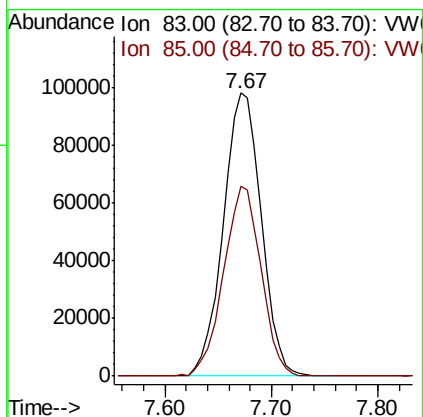
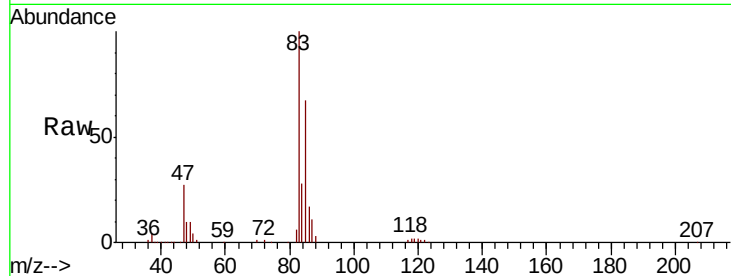




#25
Chloroform
Concen: 26.481 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

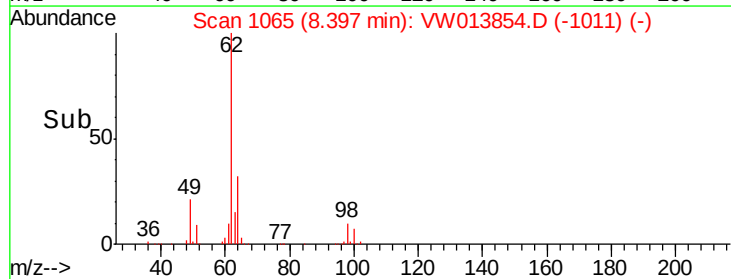
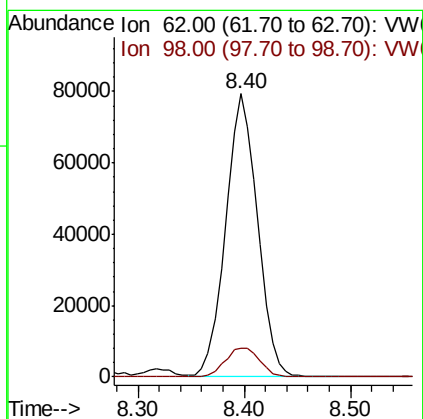
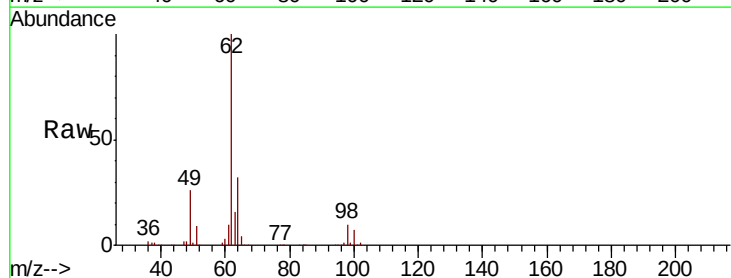
Instrument :
MSVOA_W
ClientSampleId :

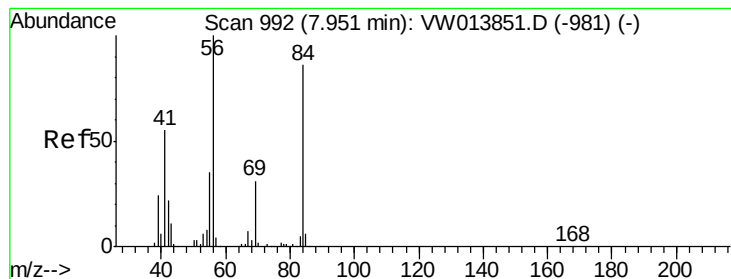
Tot Ion: 83 Resp: 244266
Ion Ratio Lower Upper
83 100
85 66.2 46.2 85.8



#27
1,2-Dichloroethane
Concen: 27.365 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

Tgt Ion: 62 Resp: 166021
Ion Ratio Lower Upper
62 100
98 10.1 8.6 12.8





#30

Cyclohexane

Concen: 27.487 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

Instrument :

MSVOA_W

ClientSampled :

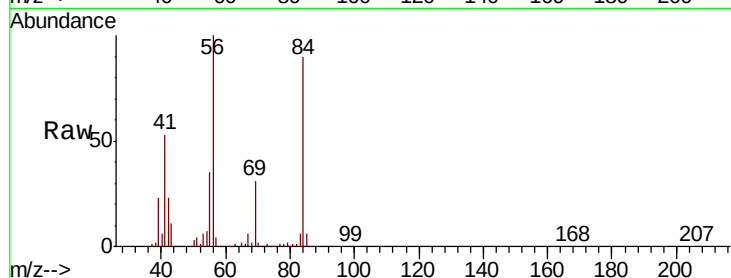
Tot Ion: 56 Resp: 242396

Ion Ratio Lower Upper

56 100

69 31.3 24.6 36.8

84 88.6 70.2 105.4

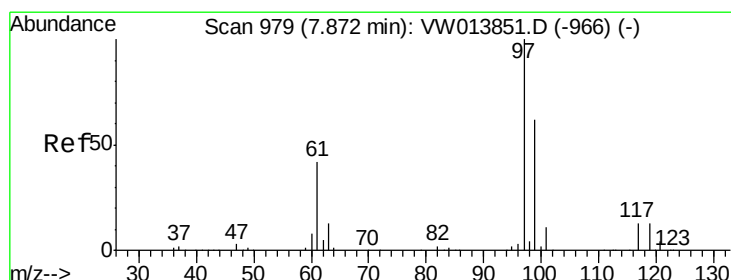
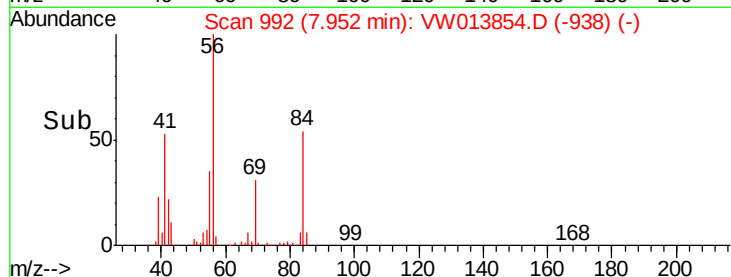
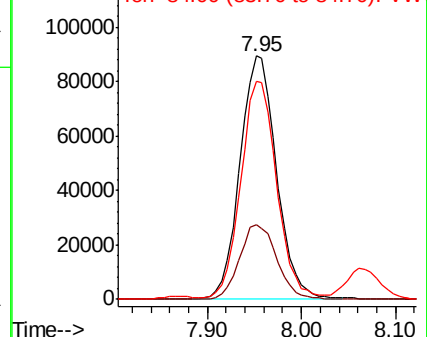


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 26.896 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

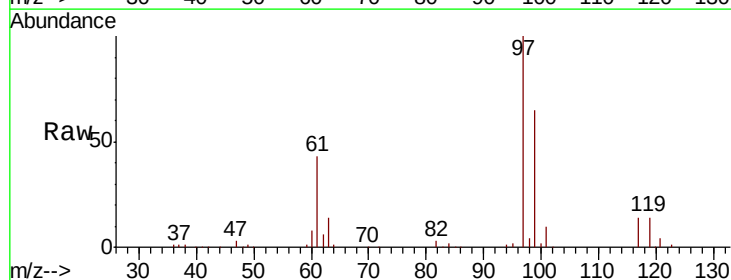
Tgt Ion: 97 Resp: 189385

Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 42.3 33.6 50.4

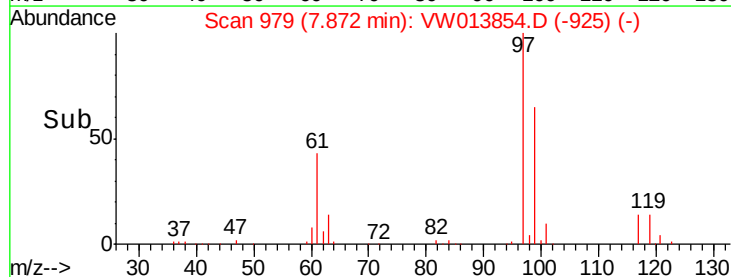
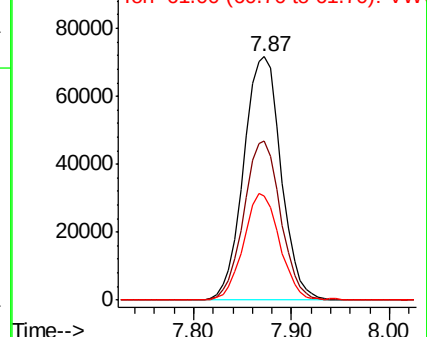


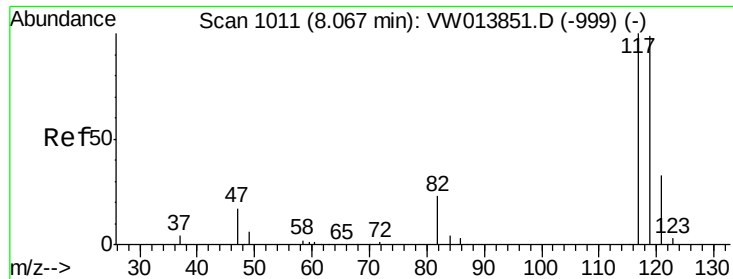
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 27.069 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

Instrument :

MSVOA_W

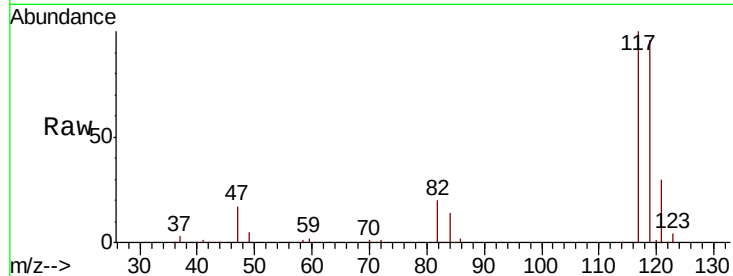
ClientSampleId :

Tot Ion:117 Resp: 189725

Ion Ratio Lower Upper

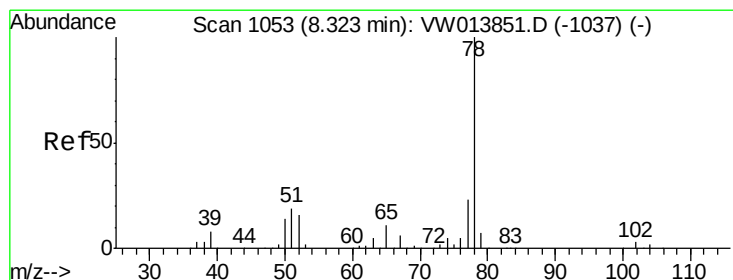
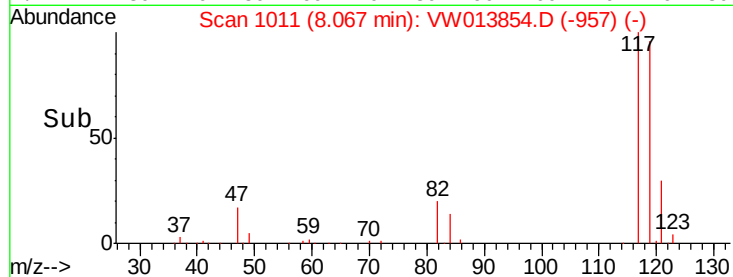
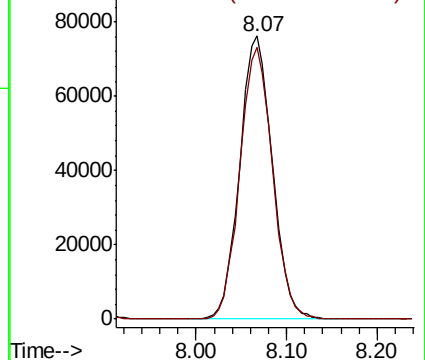
117 100

119 96.1 75.8 113.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.971 ug/L

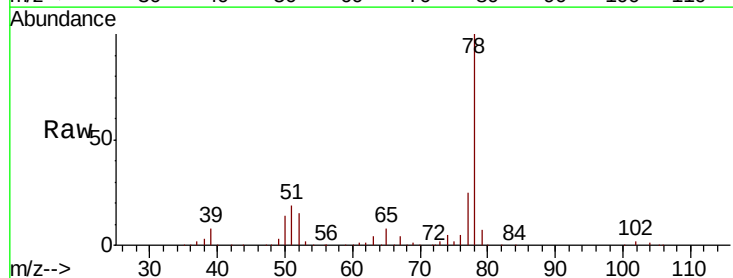
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

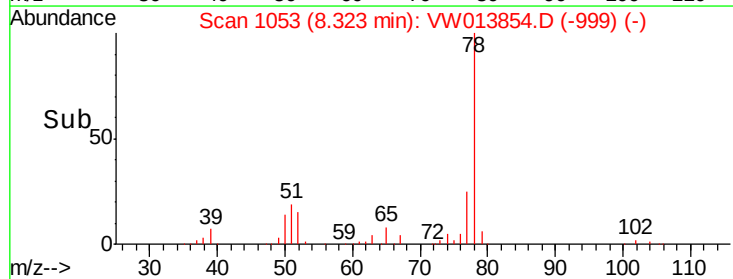
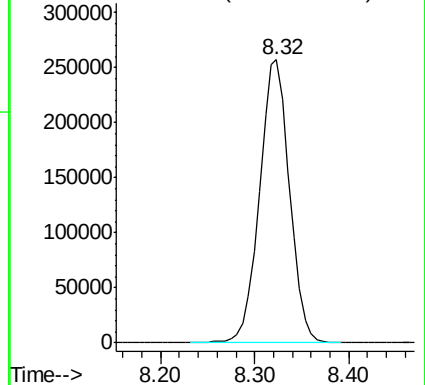
Lab File: VW013854.D

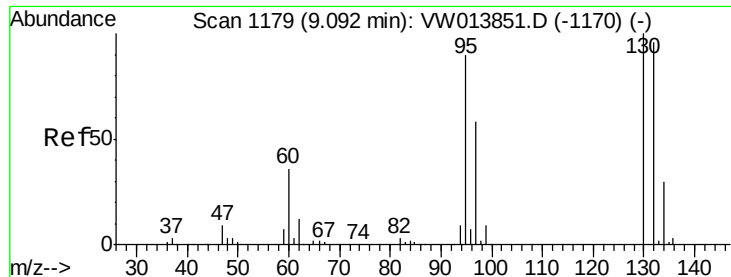
Acq: 31 Oct 2019 13:01

Tgt Ion: 78 Resp: 574613



Abundance Ion 78.00 (77.70 to 78.70): VW

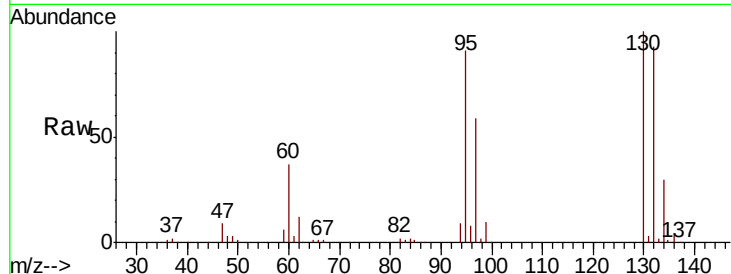




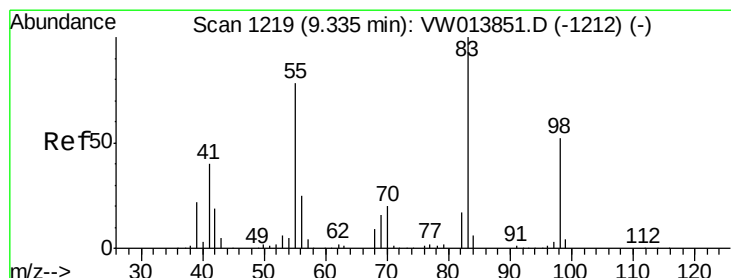
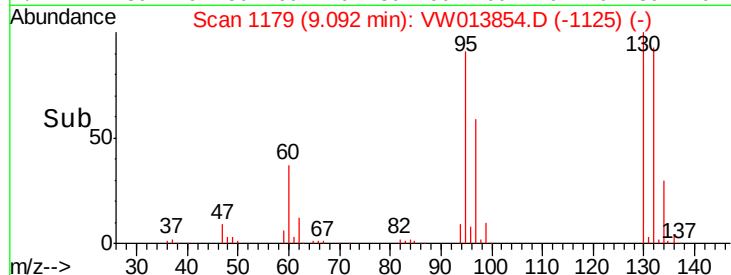
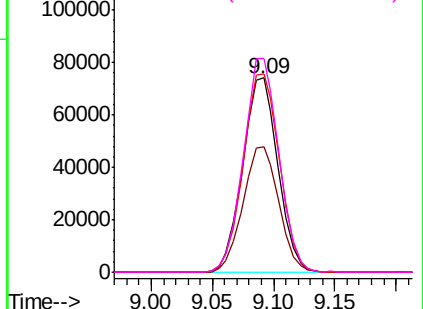
#35
 Trichloroethene
 Concen: 26.432 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW013854.D
 Acq: 31 Oct 2019 13:01

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 148623
 Ion Ratio Lower Upper
 95 100
 97 65.6 45.0 83.6
 132 105.0 72.4 134.4
 130 110.1 76.6 142.3

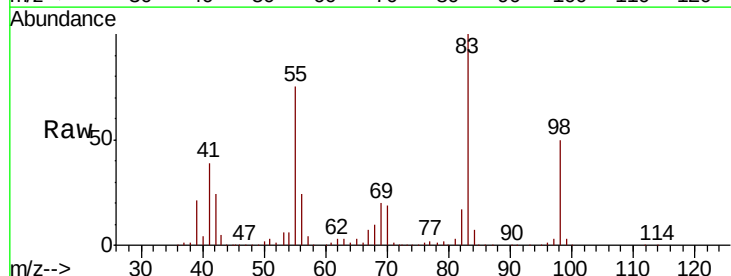


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

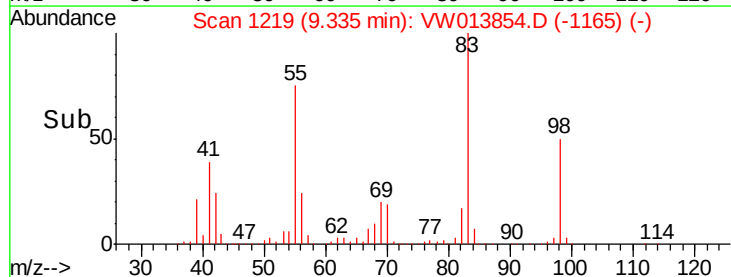
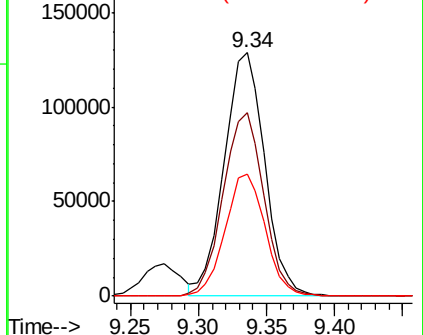


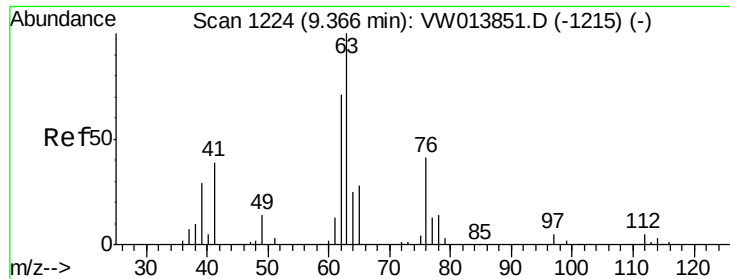
#36
 Methylcyclohexane
 Concen: 27.460 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW013854.D
 Acq: 31 Oct 2019 13:01

Tgt Ion: 83 Resp: 267292
 Ion Ratio Lower Upper
 83 100
 55 75.7 60.3 90.5
 98 49.8 39.4 59.2



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

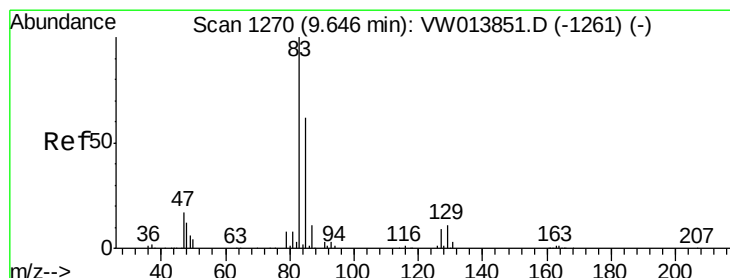
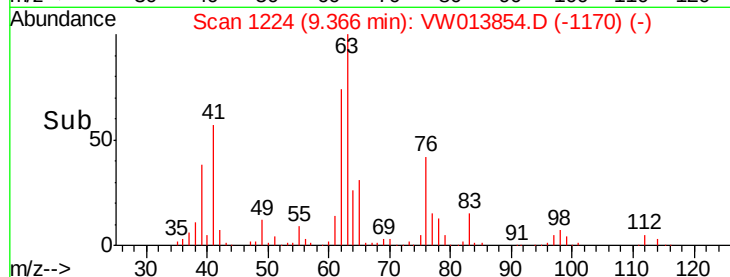
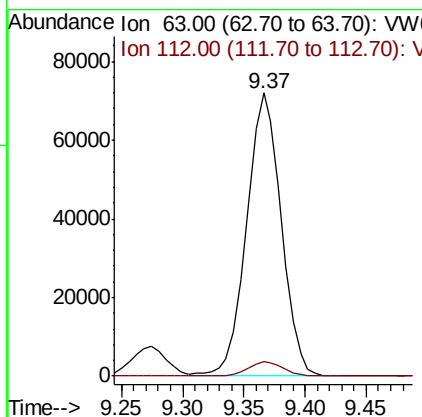
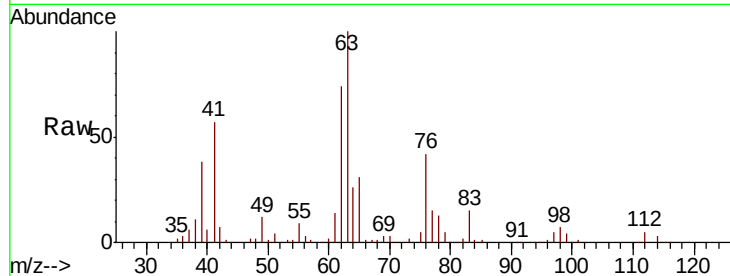




#40
1,2-Dichloropropane
Concen: 26.946 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

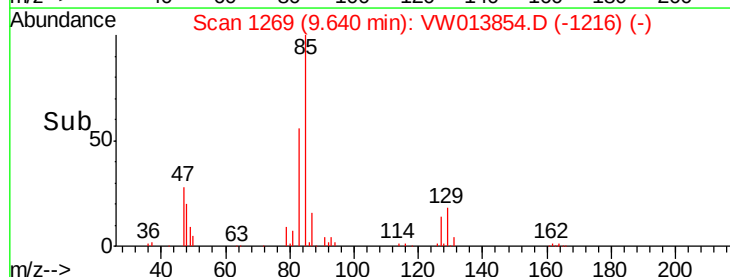
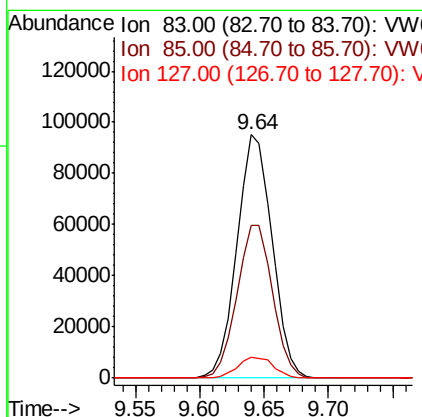
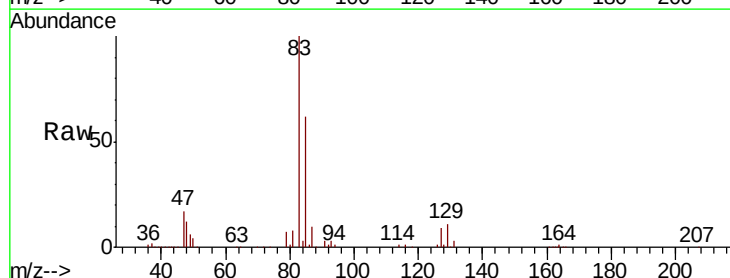
Instrument :
MSVOA_W
ClientSampleId :

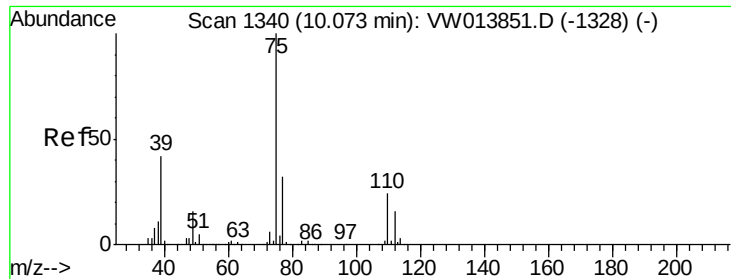
Tot Ion: 63 Resp: 141822
Ion Ratio Lower Upper
63 100
112 5.1 4.1 6.1



#41
Bromodichloromethane
Concen: 27.253 ug/L
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

Tgt Ion: 83 Resp: 180145
Ion Ratio Lower Upper
83 100
85 62.5 43.5 80.7
127 8.8 6.9 10.3





#42

cis-1,3-Dichloropropene

Concen: 27.868 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

Instrument :

MSVOA_W

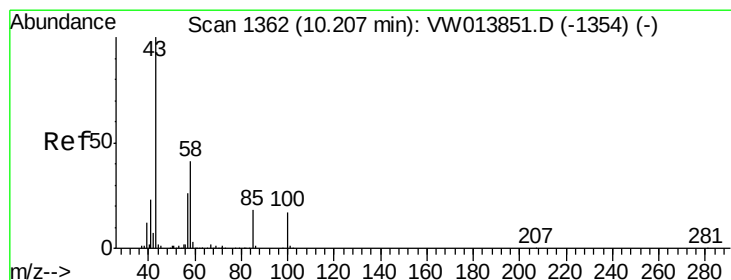
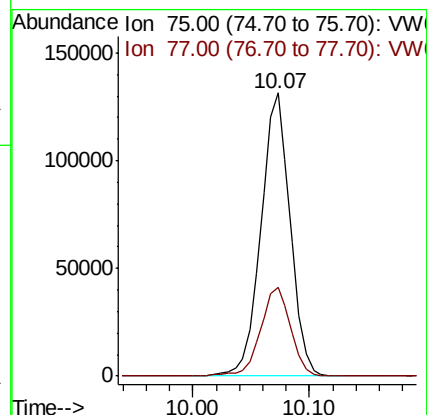
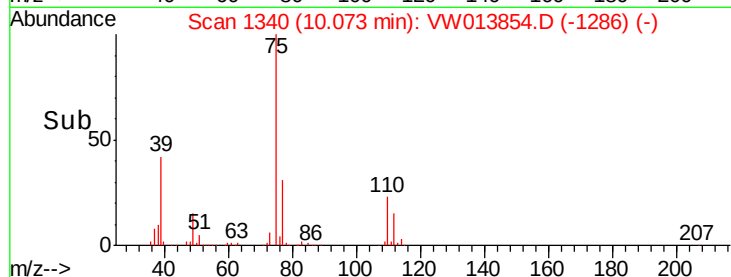
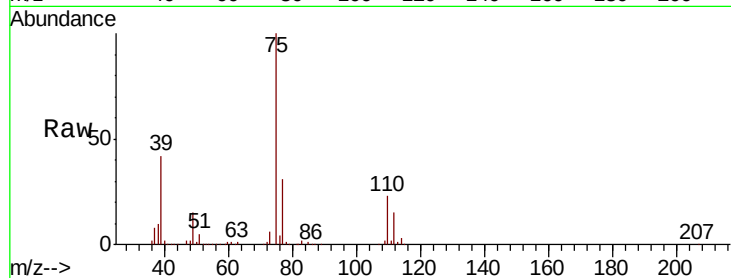
ClientSampled :

Tot Ion: 75 Resp: 230268

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 52.048 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

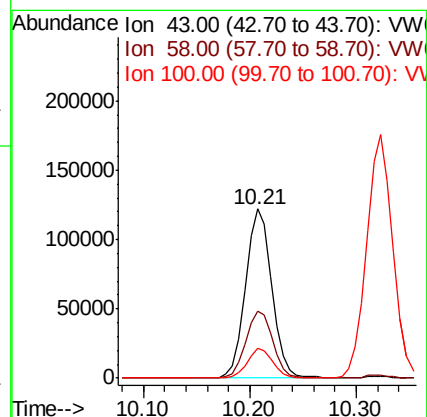
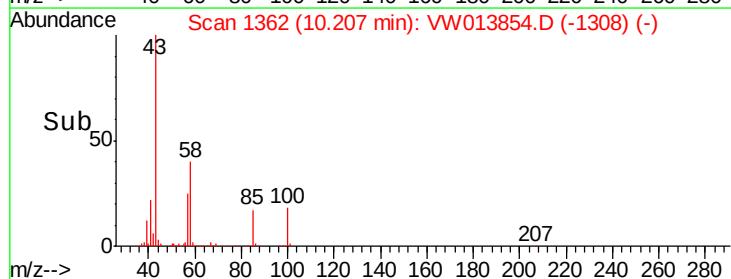
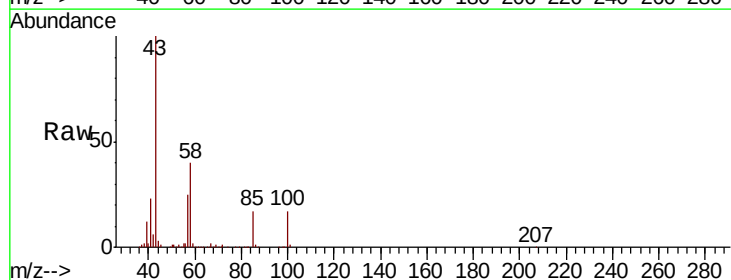
Tgt Ion: 43 Resp: 211376

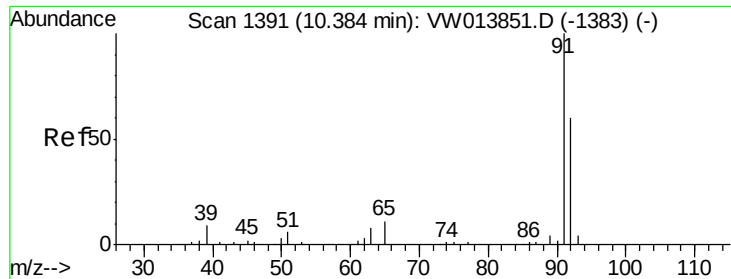
Ion Ratio Lower Upper

43 100

58 40.8 32.1 48.1

100 17.0 13.4 20.0





#44

Toluene

Concen: 27.480 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

Instrument :

MSVOA_W

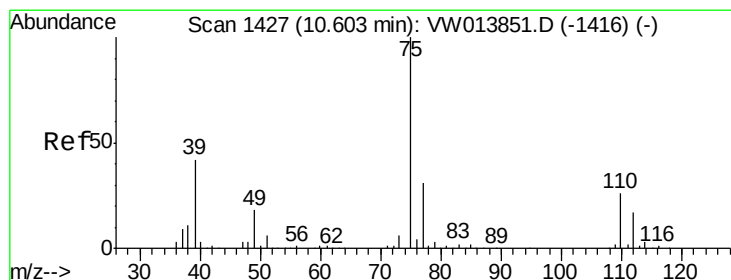
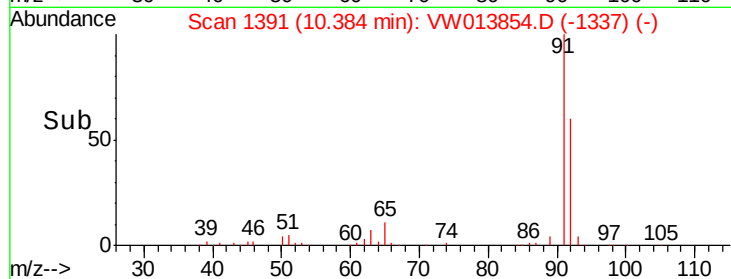
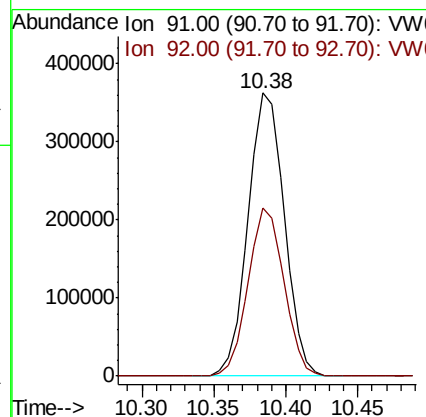
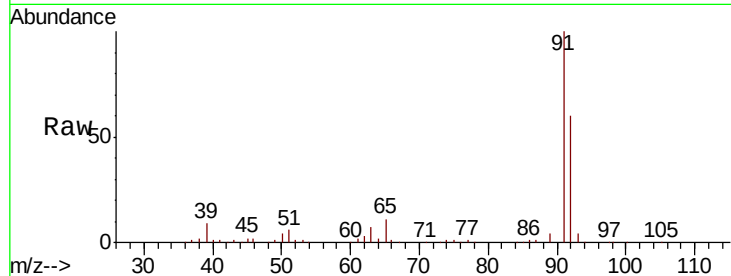
ClientSampleId :

Tot Ion: 91 Resp: 632155

Ion Ratio Lower Upper

91 100

92 59.6 42.0 78.0



#45

trans-1,3-Dichloropropene

Concen: 27.817 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013854.D

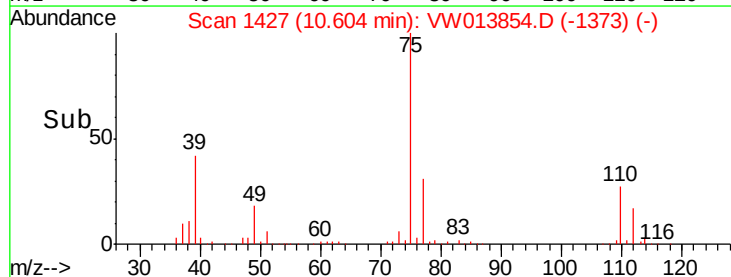
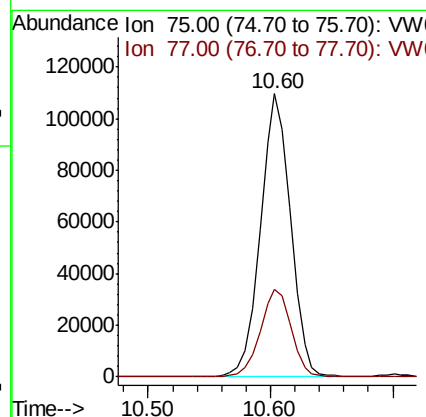
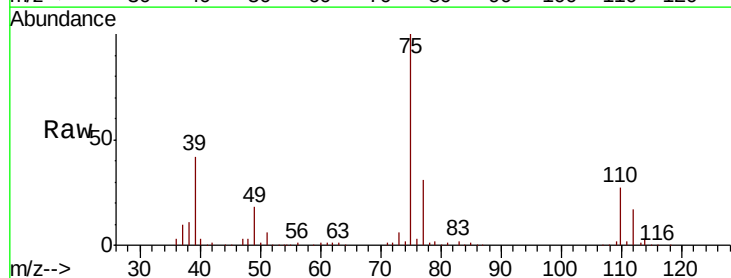
Acq: 31 Oct 2019 13:01

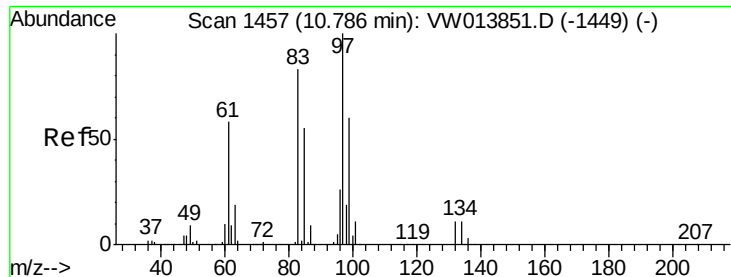
Tgt Ion: 75 Resp: 187462

Ion Ratio Lower Upper

75 100

77 31.0 21.9 40.7

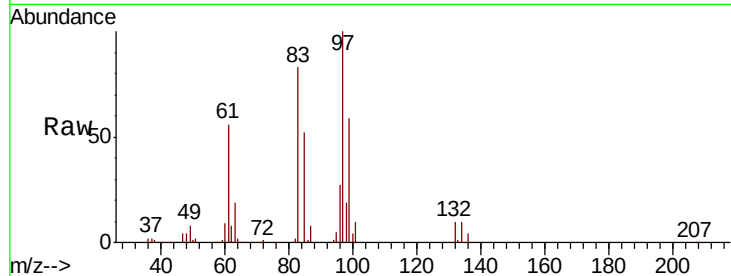




#46
1,1,2-Trichloroethane
Concen: 26.572 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	97	Resp	112760
Ion	Ratio	Lower	Upper
97	100		
83	83.4	57.8	107.4
85	52.1	38.3	71.1
99	58.9	42.2	78.4



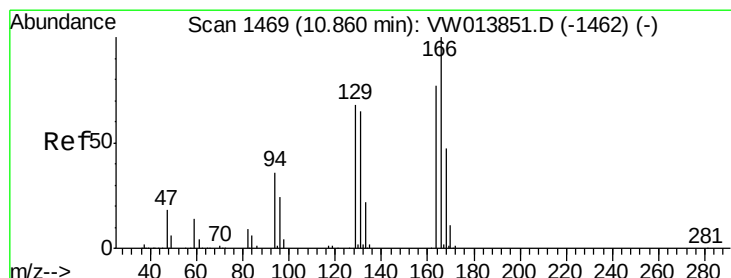
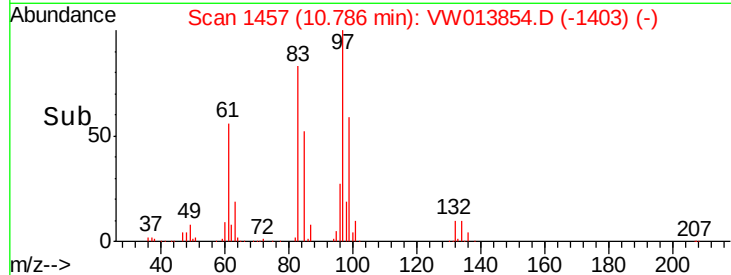
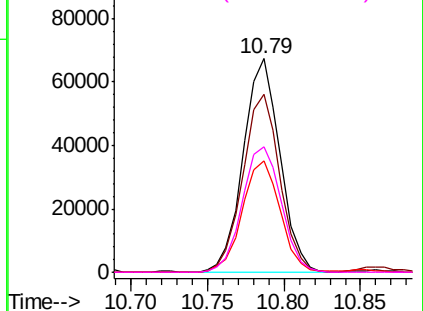
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 26.982 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

Tgt Ion	164	Resp	136255
Ion	Ratio	Lower	Upper
164	100		
129	84.3	62.5	116.1
131	80.2	59.8	111.0
166	123.7	91.6	170.0

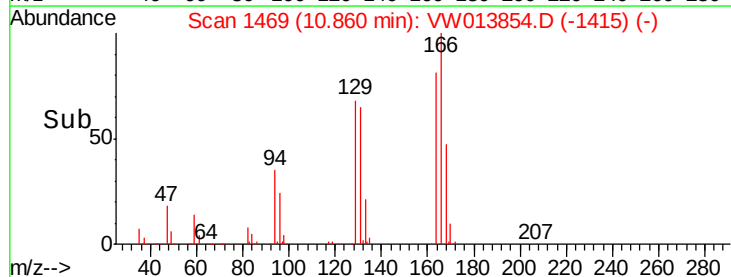
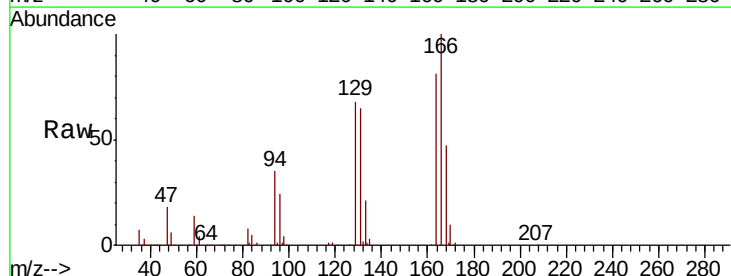
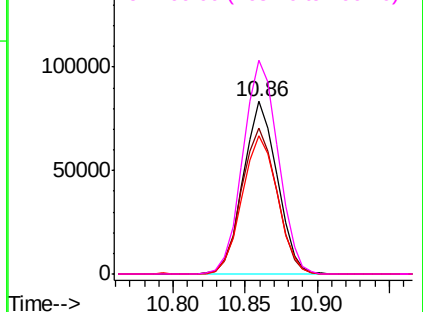
Abundance

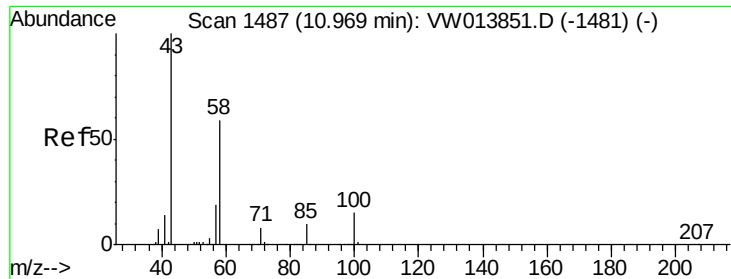
Ion 164.00 (163.70 to 164.70): V

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

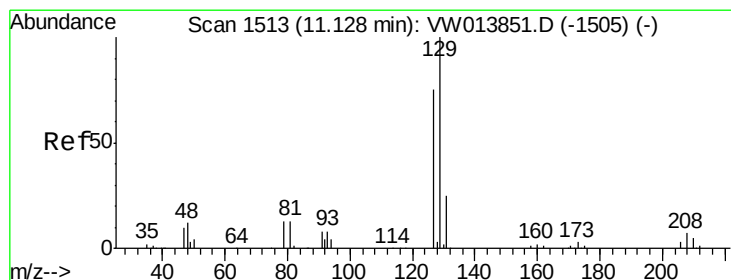
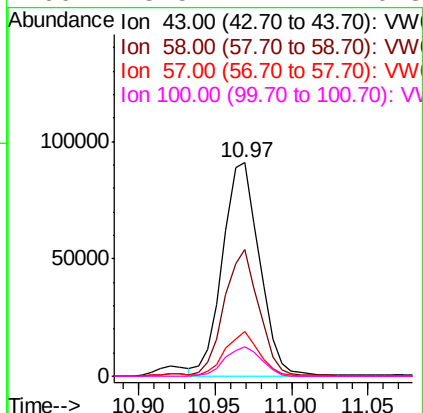
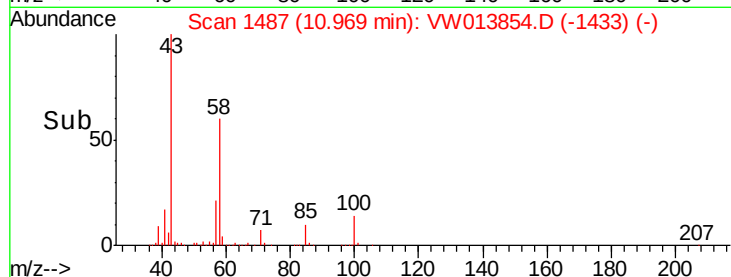
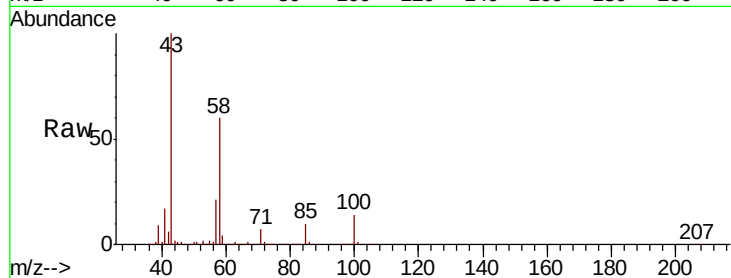




#49
2-Hexanone
Concen: 52.731 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

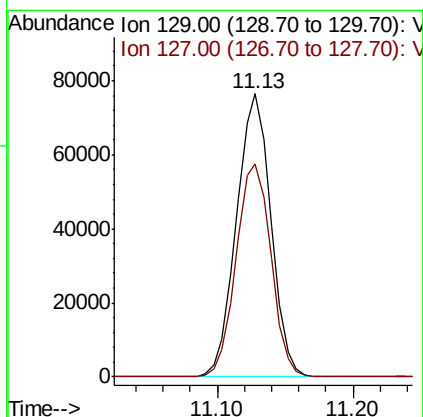
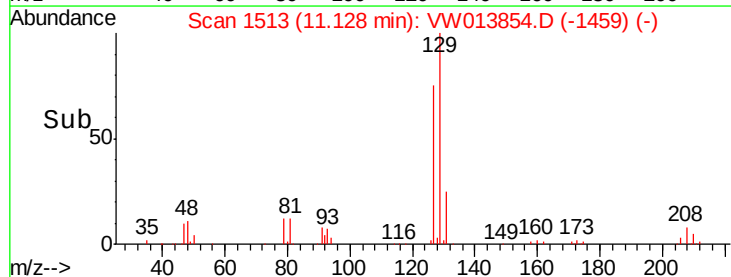
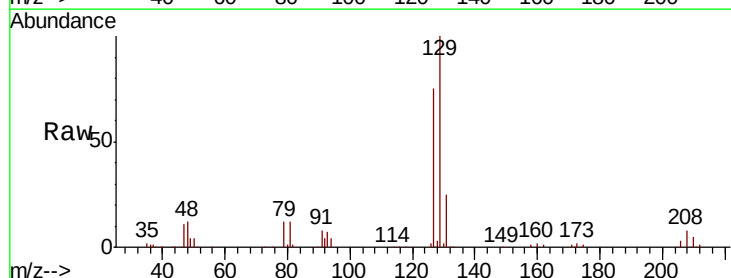
Instrument :
MSVOA_W
ClientSampled :

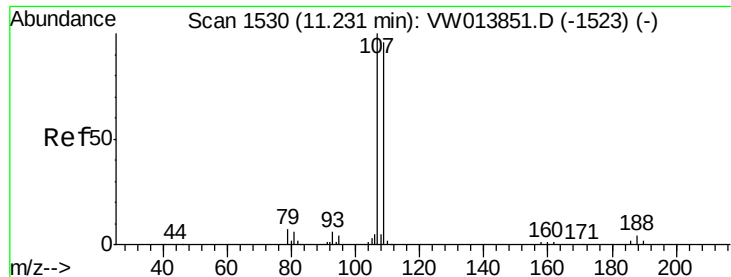
Tot Ion: 43 Resp: 153242
Ion Ratio Lower Upper
43 100
58 56.1 47.0 70.4
57 19.3 16.0 24.0
100 13.5 11.2 16.8



#50
Dibromochloromethane
Concen: 27.398 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

Tgt Ion: 129 Resp: 135166
Ion Ratio Lower Upper
129 100
127 75.4 52.6 97.8

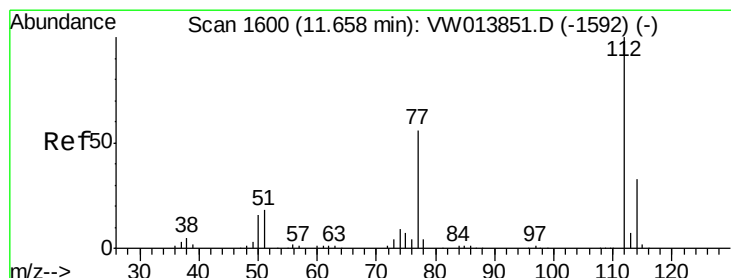
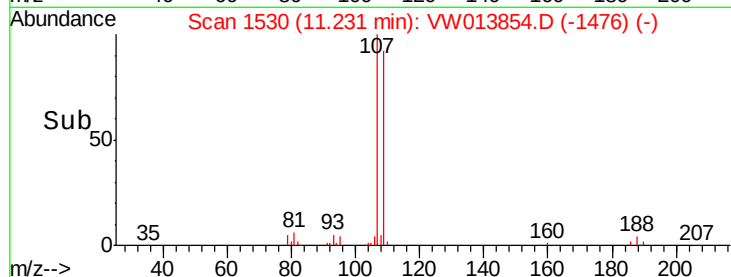
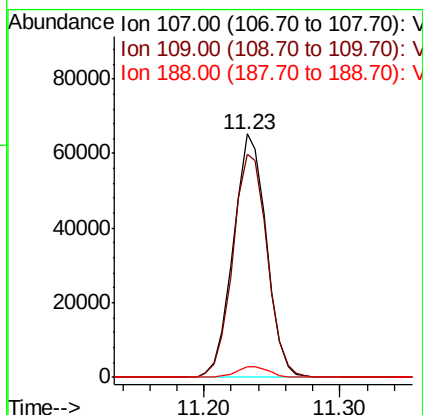
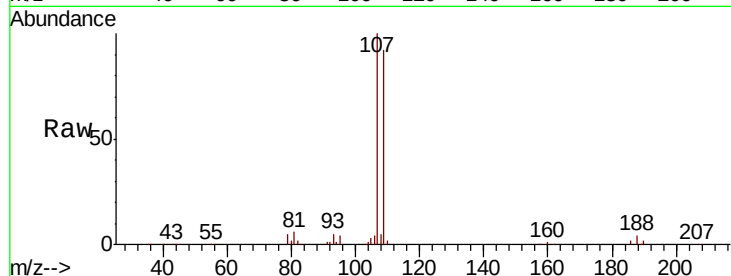




#51
1,2-Dibromoethane
Concen: 26.688 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

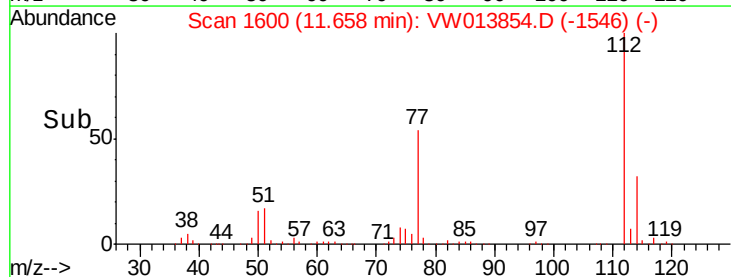
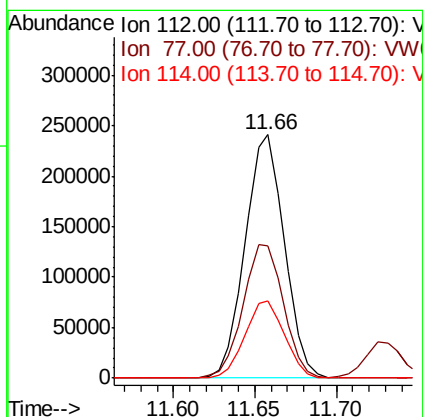
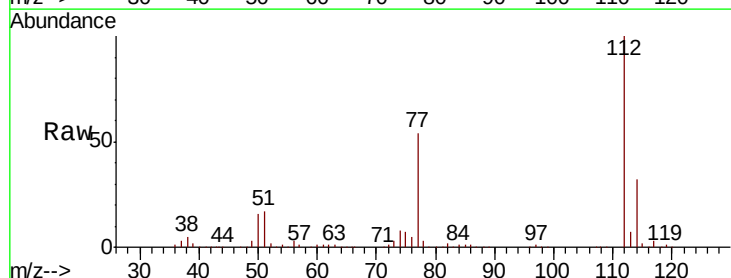
Instrument :
MSVOA_W
ClientSampleId :

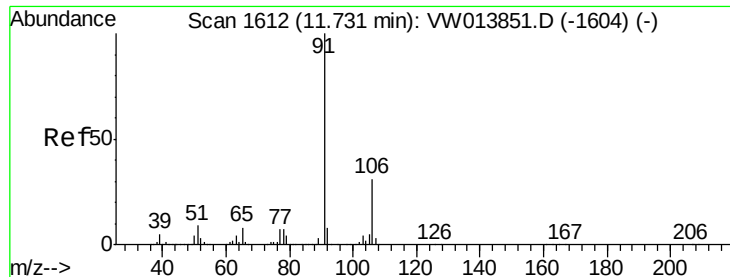
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.5	67.3	124.9
188	4.4	3.5	5.3



#52
Chlorobenzene
Concen: 27.111 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.3	44.7	67.1
114	31.6	23.1	42.9

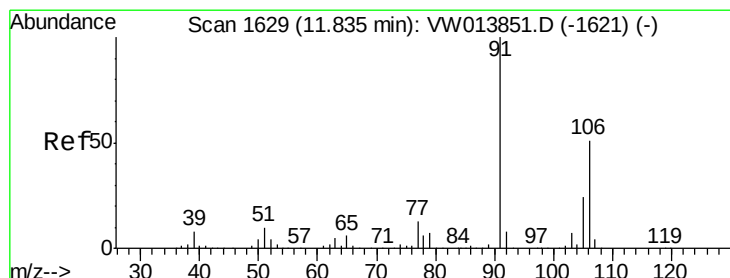
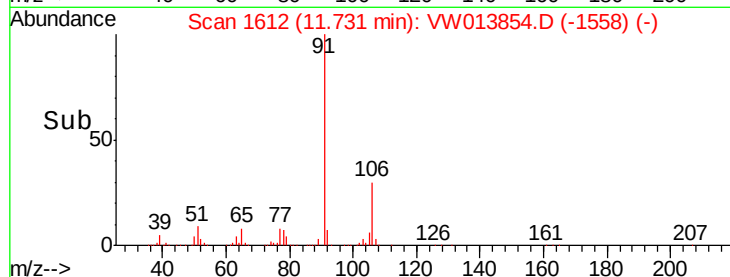
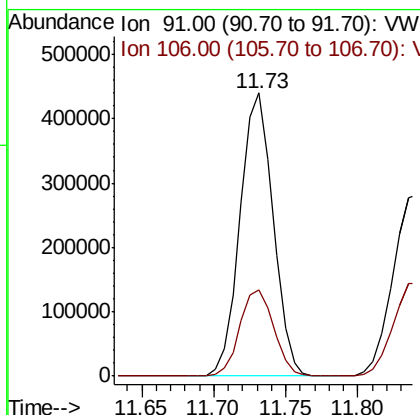
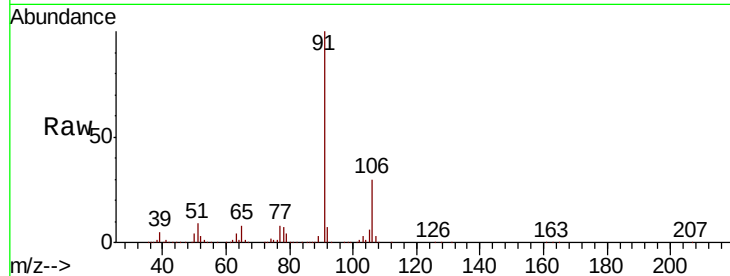




#53
Ethylbenzene
Concen: 27.663 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

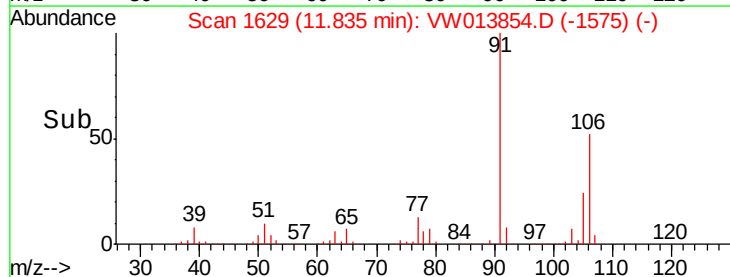
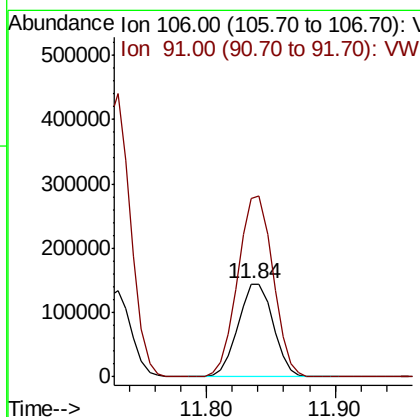
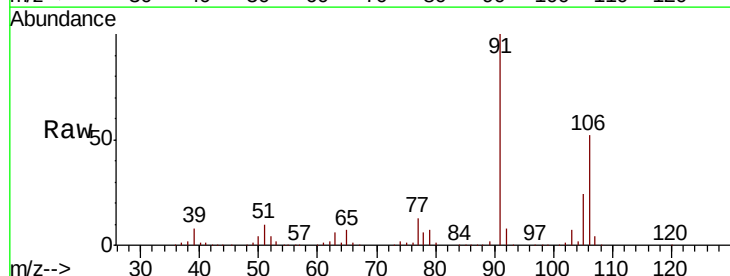
Instrument :
MSVOA_W
ClientSampled :

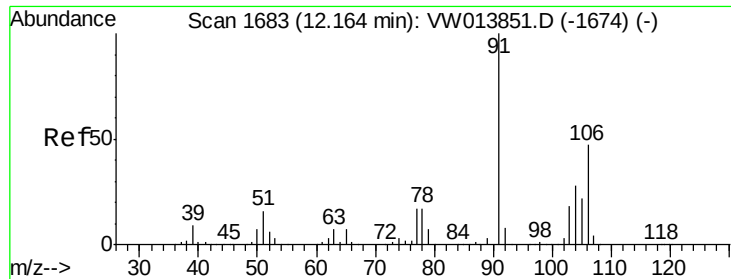
Tot Ion: 91 Resp: 702461
Ion Ratio Lower Upper
91 100
106 30.4 21.8 40.4



#54
m,p-Xylene
Concen: 27.645 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

Tgt Ion: 106 Resp: 274645
Ion Ratio Lower Upper
106 100
91 191.8 136.6 253.8

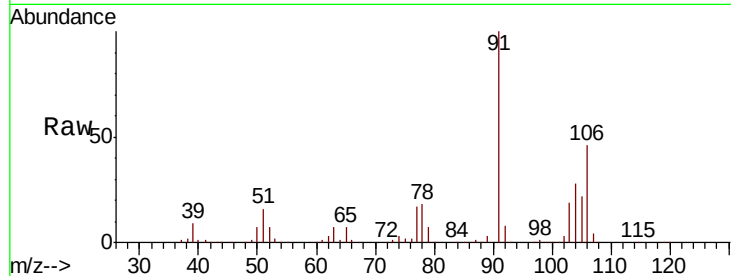




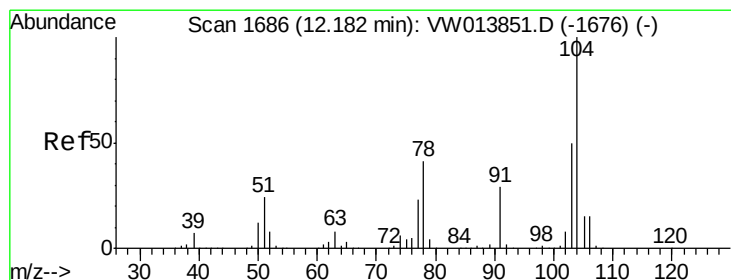
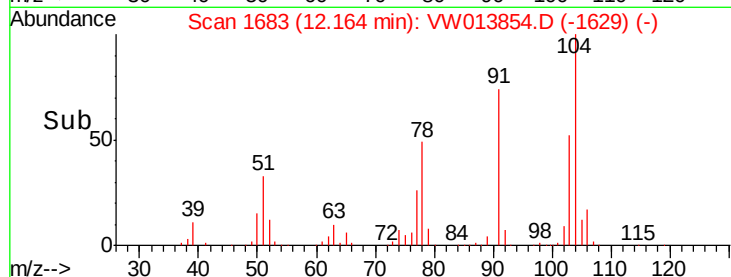
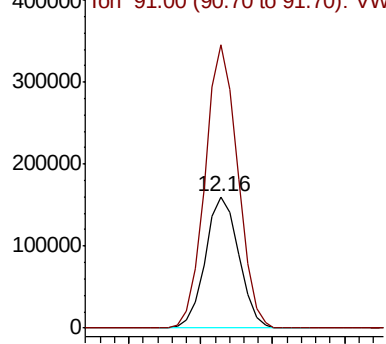
#55
o-xylene
Concen: 27.647 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:106 Resp: 258515
Ion Ratio Lower Upper
106 100
91 215.3 148.0 274.8

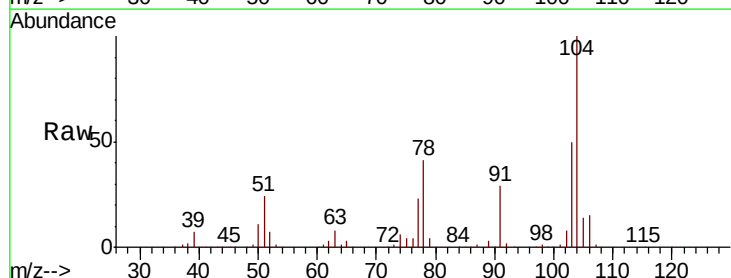


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

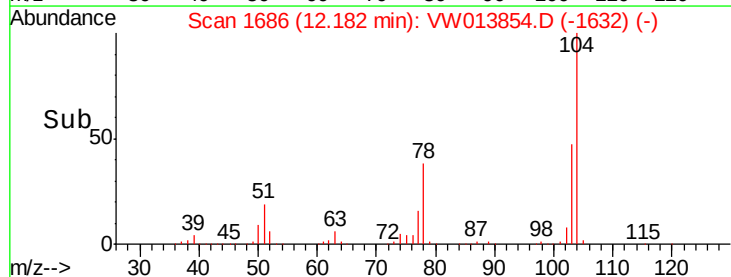
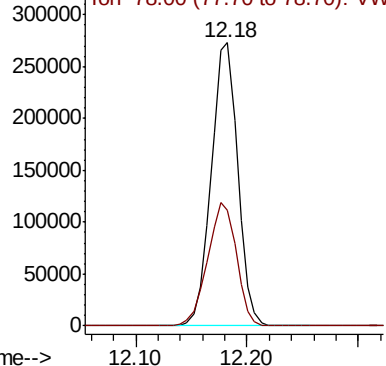


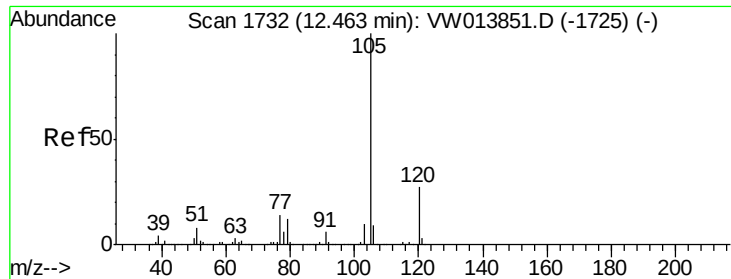
#56
Styrene
Concen: 28.076 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013854.D
Acq: 31 Oct 2019 13:01

Tgt Ion:104 Resp: 450451
Ion Ratio Lower Upper
104 100
78 41.1 28.9 53.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.691 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

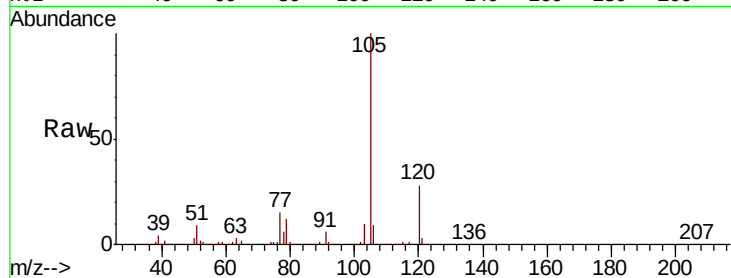
Tot Ion:105 Resp: 692974

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

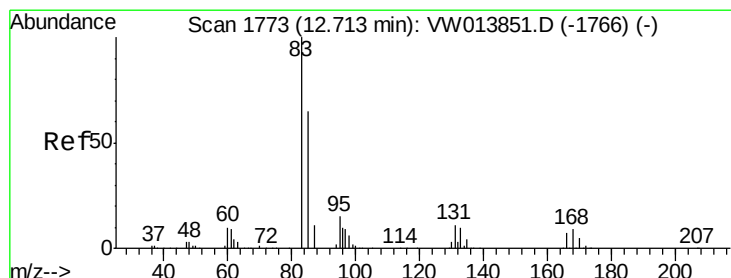
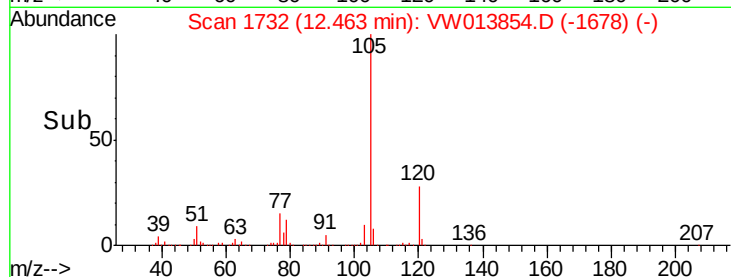
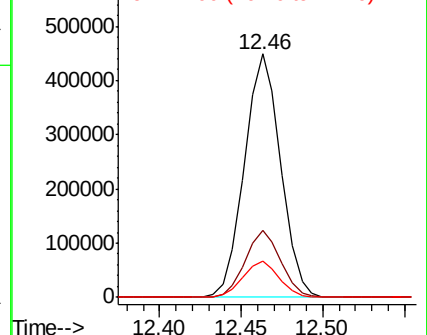
77 14.7 11.7 17.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.110 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

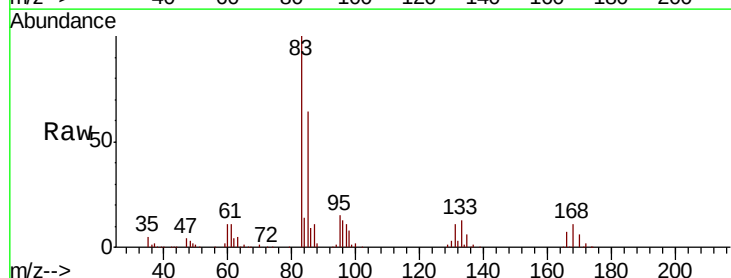
Tgt Ion: 83 Resp: 139099

Ion Ratio Lower Upper

83 100

85 64.0 46.1 85.7

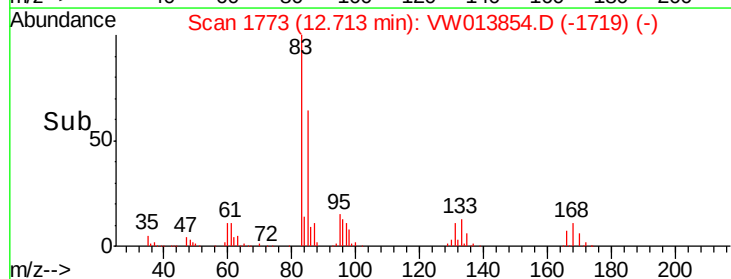
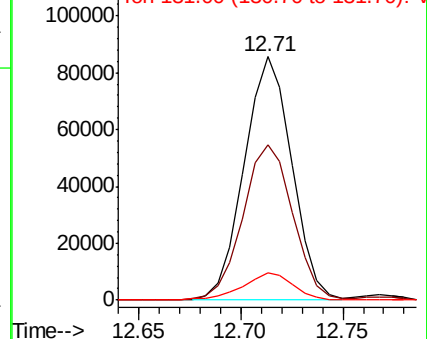
131 11.0 9.0 13.6

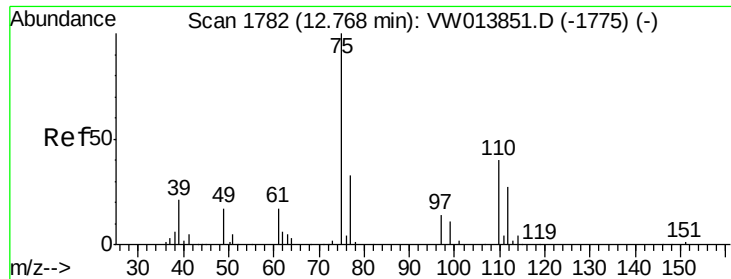


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.747 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

Instrument :

MSVOA_W

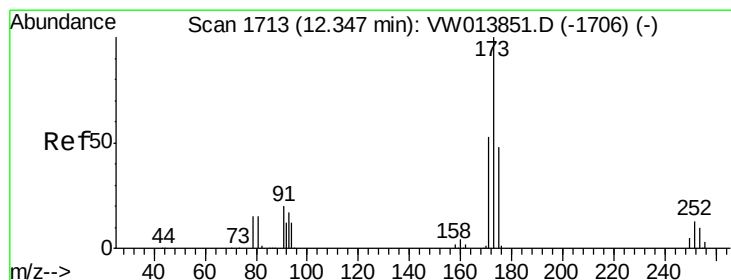
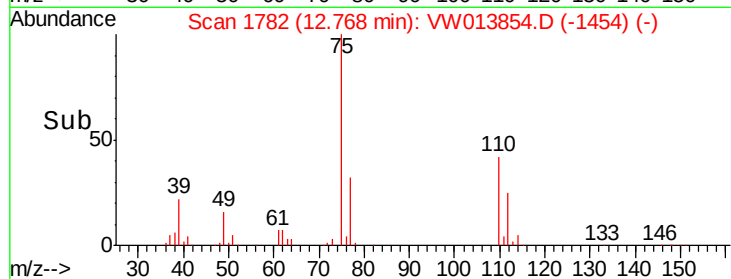
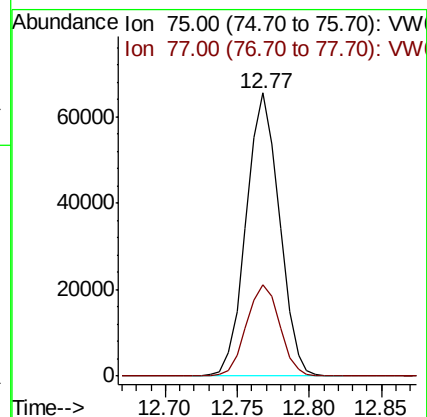
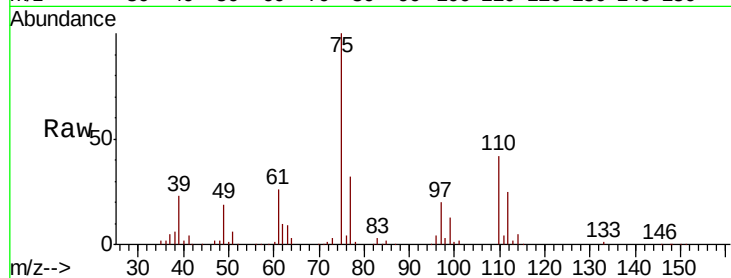
ClientSampled :

Tot Ion: 75 Resp: 104514

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8



#62

Bromoform

Concen: 26.285 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

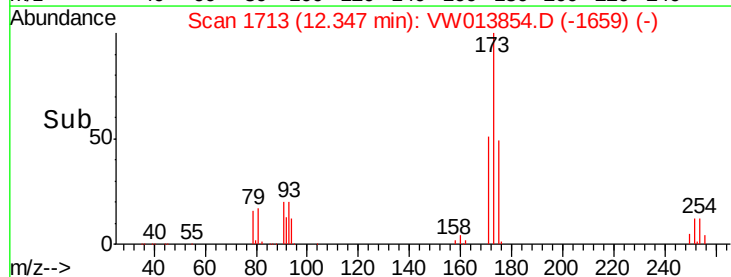
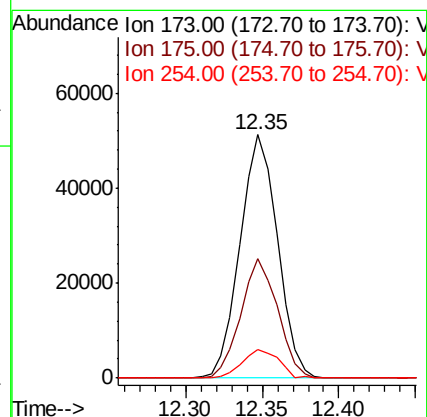
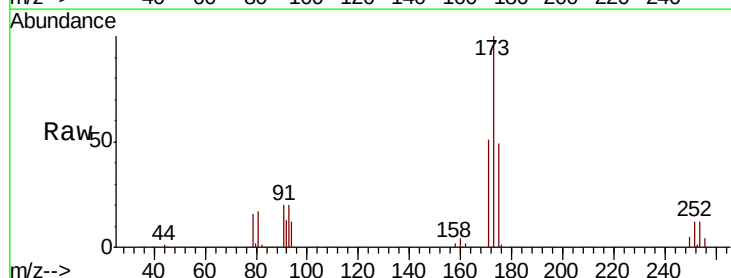
Tgt Ion: 173 Resp: 87358

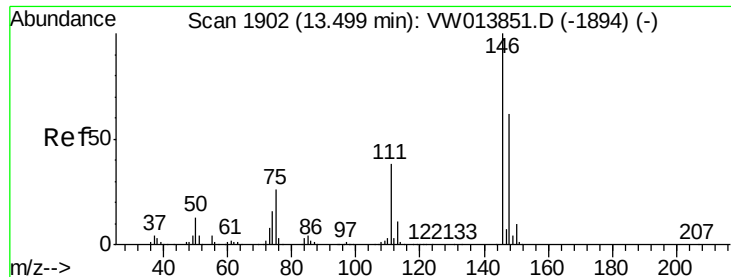
Ion Ratio Lower Upper

173 100

175 48.2 39.1 58.7

254 11.2 9.4 14.2





#63

1,3-Dichlorobenzene

Concen: 27.052 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

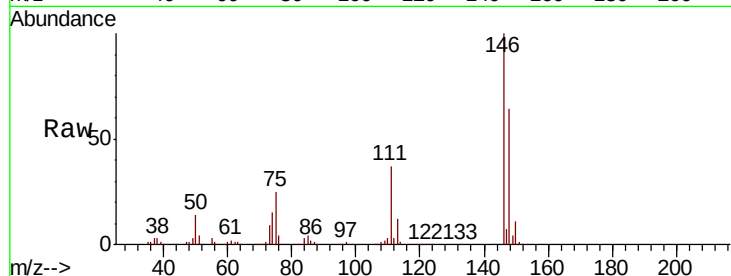
Tot Ion:146 Resp: 337256

Ion Ratio Lower Upper

146 100

111 36.5 26.5 49.1

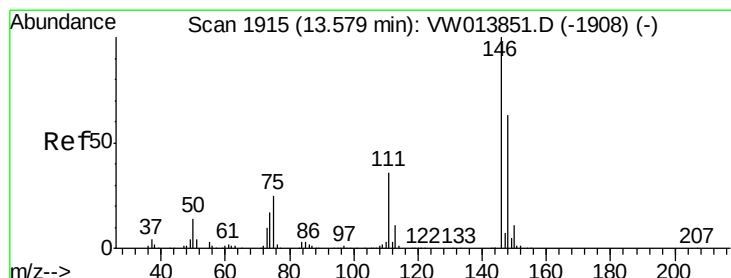
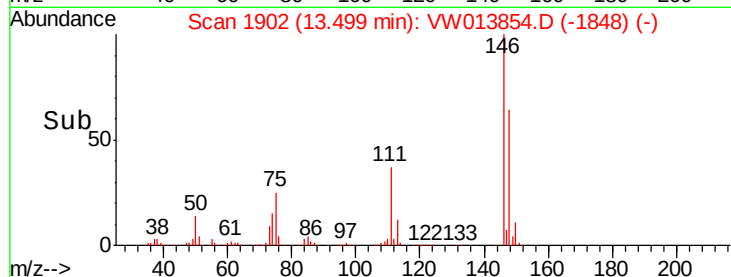
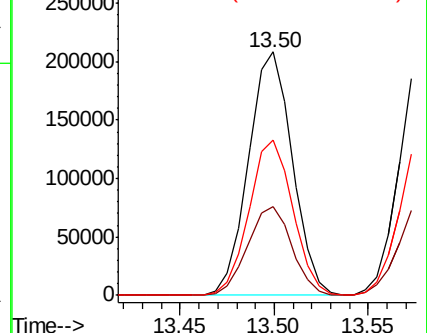
148 63.6 43.7 81.1



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: 26.469 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

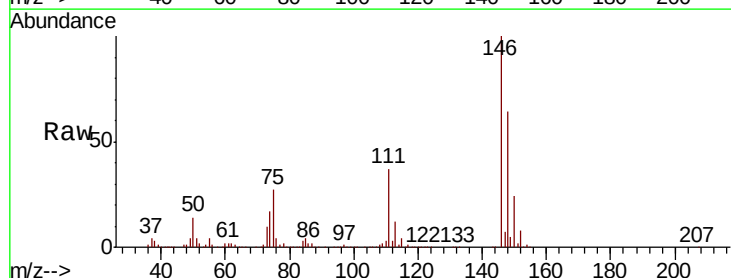
Tgt Ion:146 Resp: 334725

Ion Ratio Lower Upper

146 100

111 37.4 25.0 46.4

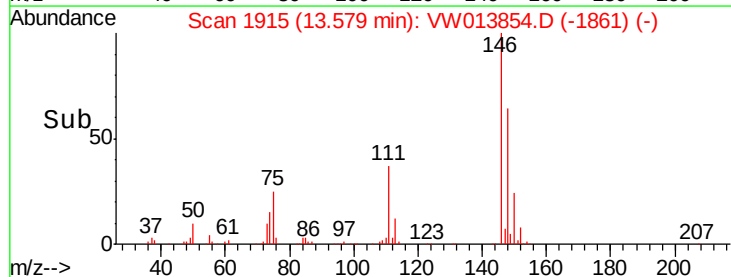
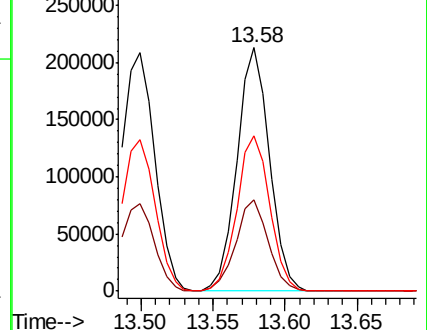
148 63.8 44.4 82.5

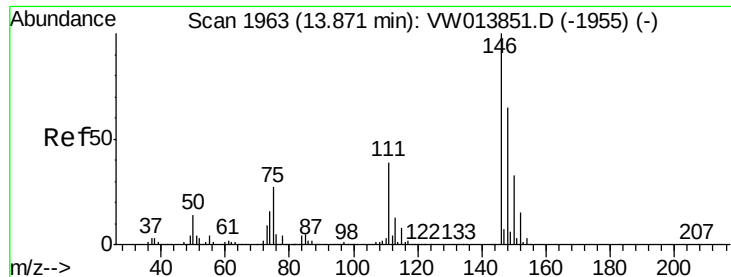


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 26.831 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

Instrument :

MSVOA_W

ClientSampled :

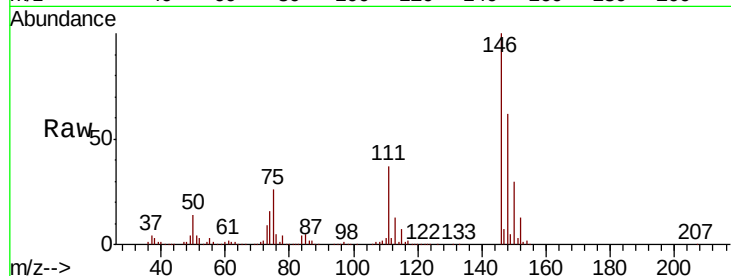
Tot Ion:146 Resp: 309191

Ion Ratio Lower Upper

146 100

111 37.5 31.0 46.4

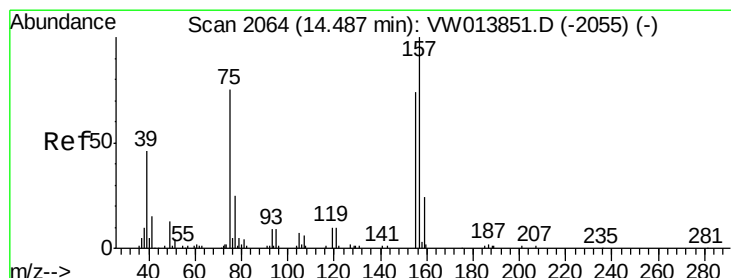
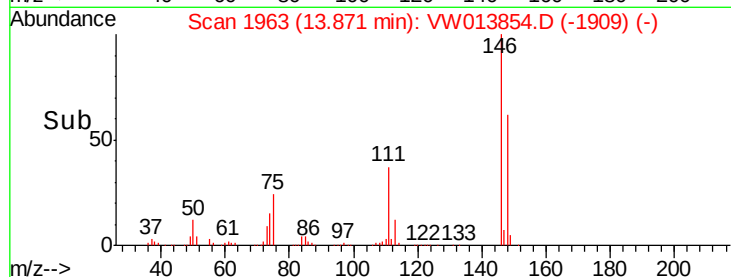
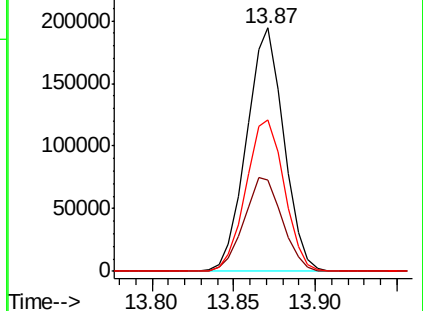
148 62.4 51.8 77.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 25.972 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

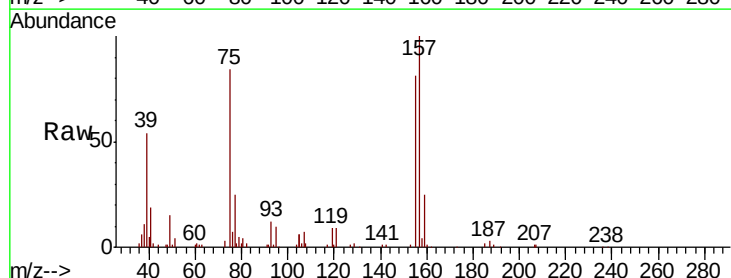
Tgt Ion: 75 Resp: 23655

Ion Ratio Lower Upper

75 100

157 119.3 106.2 159.2

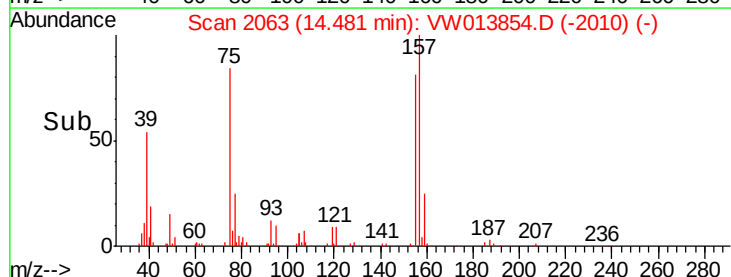
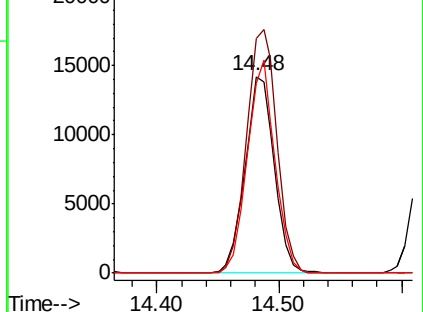
155 96.6 78.8 118.2

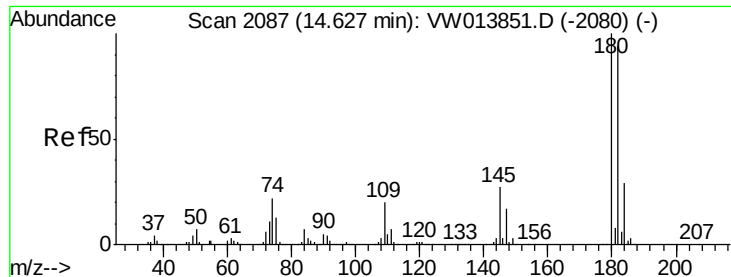


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

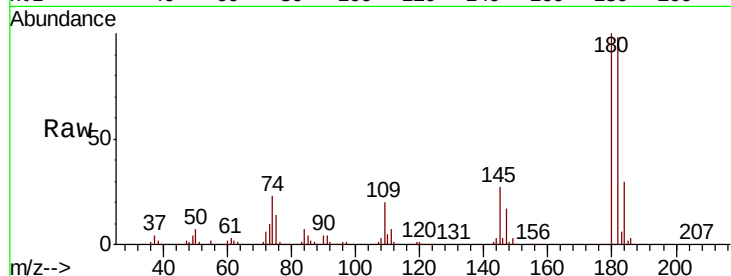




#67
 1,3,5-Trichlorobenzene
 Concen: 27.881 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013854.D
 Acq: 31 Oct 2019 13:01

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	76.2	114.4
184	30.4	24.1	36.1
145	27.2	21.7	32.5



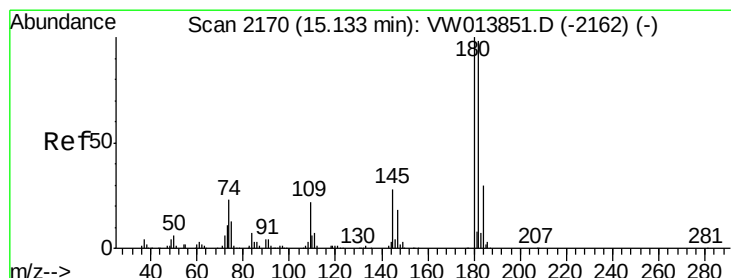
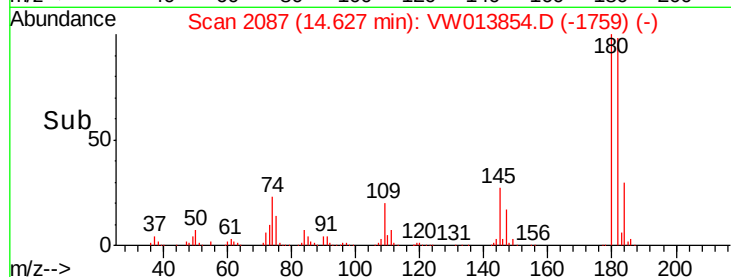
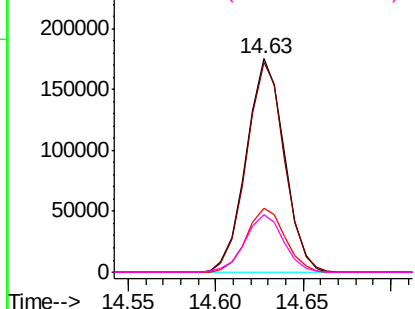
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

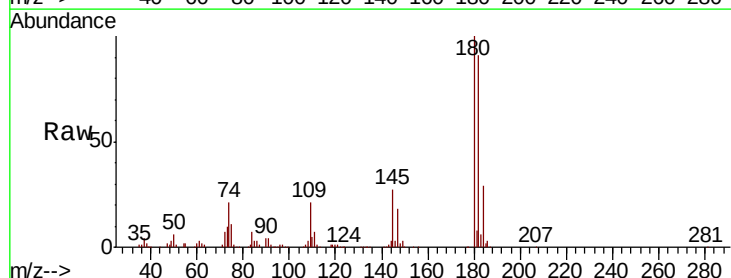
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 29.661 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013854.D
 Acq: 31 Oct 2019 13:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	74.8	112.2
145	27.2	22.4	33.6

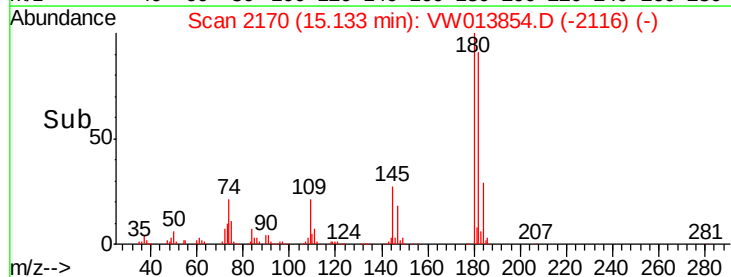
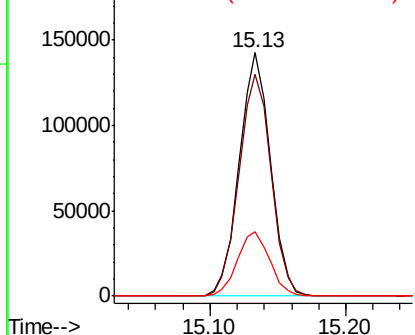


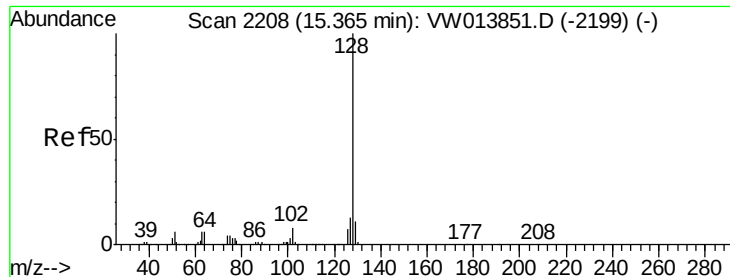
Abundance

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: 30.138 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

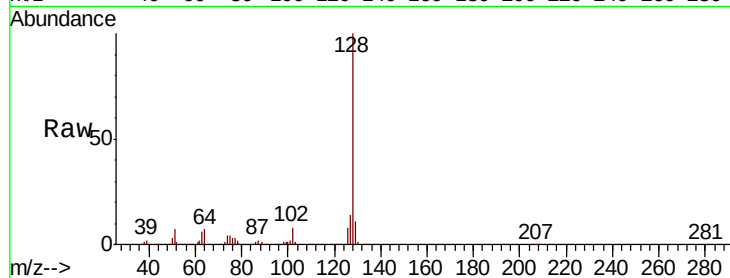
Tot Ion:128 Resp: 446035

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

127 13.4 10.5 15.7

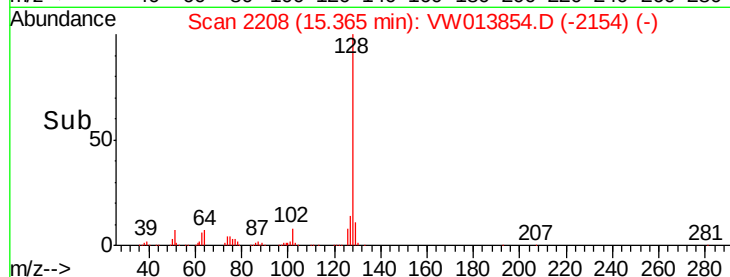


Abundance Ion 128.00 (127.70 to 128.70): V

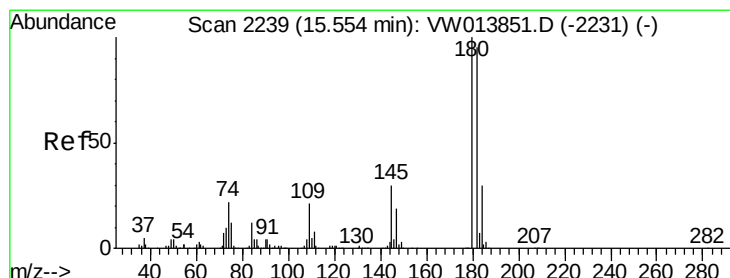
Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

15.36



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 28.976 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013854.D

Acq: 31 Oct 2019 13:01

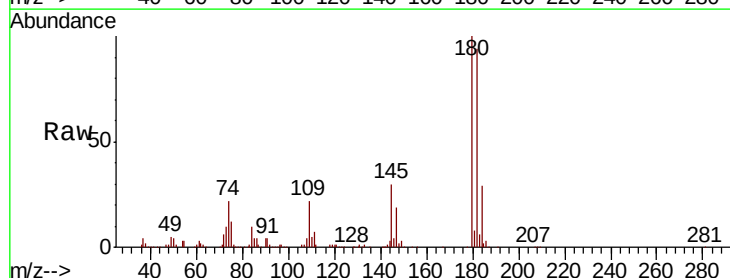
Tgt Ion:180 Resp: 206096

Ion Ratio Lower Upper

180 100

182 95.8 78.0 117.0

145 29.7 23.9 35.9

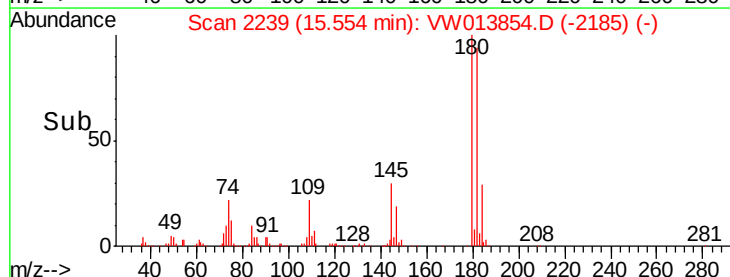


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

15.55



Time-->