

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112919\
 Data File : VW014191.D
 Acq On : 29 Nov 2019 19:30
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 30 04:14:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 30 04:10:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	269438	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	269520	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	169319	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	78334	18.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.88%
7) Chloroethane-d5	2.89	69	75913	21.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.12%
10) 1,1-Dichloroethene-d2	4.02	63	179894	20.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.56%
20) 2-Butanone-d5	7.07	46	70858	56.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.48%
24) Chloroform-d	7.65	84	229692	27.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.92%
26) 1,2-Dichloroethane-d4	8.30	65	118755	28.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	114.04%
29) Benzene-d6	8.27	84	440659	23.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.16%
33) 1,2-Dichloropropane-d6	9.27	67	139747	24.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.80%
37) Toluene-d8	10.32	98	415488	22.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.64%
38) trans-1,3-Dichloropropene-	10.57	79	59583	24.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.36%
39) 2-Hexanone-d5	10.92	63	59052	55.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122386	28.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	162876	23.94	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	48862	15.249	ug/L	97
3) Chloromethane	2.21	50	50365	17.696	ug/L	99
5) Vinyl chloride	2.36	62	93951	21.141	ug/L	93
6) Bromomethane	2.78	94	62607	22.754	ug/L	99
8) Chloroethane	2.92	64	58869	22.270	ug/L	93
9) Trichlorofluoromethane	3.26	101	50599	16.697	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	100427	22.444	ug/L	99
12) 1,1-Dichloroethene	4.04	96	100652	22.129	ug/L	94
13) Acetone	4.12	43	48118	37.864	ug/L	99
14) Carbon disulfide	4.38	76	262540	20.280	ug/L	98
15) Methyl Acetate	4.67	43	49216	23.936	ug/L	99
16) Methylene chloride	4.92	84	119105	22.962	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	146287	24.930	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	107125	22.585	ug/L	95
19) 1,1-Dichloroethane	6.21	63	200235	25.063	ug/L	100
21) 2-Butanone	7.16	43	74950	45.906	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	124272	24.898	ug/L	98

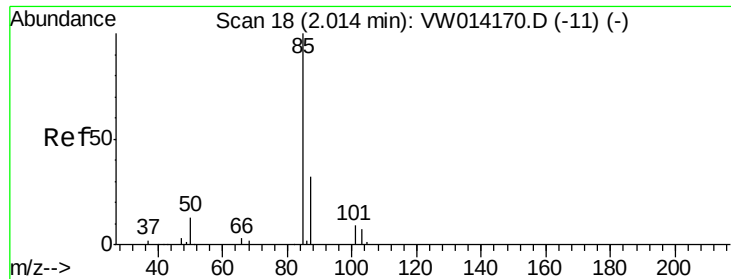
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112919\
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 Quant Title : VOC Analysis
 QLast Update : Sat Nov 30 04:10:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	57677	26.325	ug/L	94
25) Chloroform	7.67	83	206954	26.378	ug/L	100
27) 1,2-Dichloroethane	8.40	62	132777	27.953	ug/L	98
30) Cyclohexane	7.95	56	165188	19.152	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	154443	22.865	ug/L	99
32) Carbon tetrachloride	8.07	117	142070	21.911	ug/L	98
34) Benzene	8.32	78	463519	23.447	ug/L	100
35) Trichloroethene	9.09	95	116977	22.182	ug/L	99
36) Methylcyclohexane	9.33	83	181016	19.144	ug/L	98
40) 1,2-Dichloropropane	9.37	63	119345	25.078	ug/L	99
41) Bromodichloromethane	9.64	83	150773	26.206	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	180418	24.023	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	147182	46.841	ug/L	99
44) Toluene	10.38	91	505614	23.458	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	145987	24.581	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	88232	25.233	ug/L	98
47) Tetrachloroethene	10.86	164	102875	21.886	ug/L	98
49) 2-Hexanone	10.97	43	104090	45.949	ug/L	99
50) Dibromochloromethane	11.13	129	108025	26.283	ug/L	96
51) 1,2-Dibromoethane	11.23	107	83824	24.707	ug/L	96
52) Chlorobenzene	11.66	112	326599	24.170	ug/L	98
53) Ethylbenzene	11.73	91	550051	23.256	ug/L	99
54) m,p-Xylene	11.84	106	212079	23.073	ug/L	96
55) o-xylene	12.16	106	208163	24.184	ug/L	96
56) Styrene	12.18	104	365240	25.119	ug/L	99
57) Isopropylbenzene	12.46	105	538422	22.751	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	104644	25.633	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	76251	24.835	ug/L	99
62) Bromoform	12.35	173	64793	23.351	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	265333	22.318	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	265949	22.641	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	247910	23.548	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	16535	23.062	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	201836	22.276	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	159449	22.381	ug/L	99
69) Naphthalene	15.36	128	278708	22.021	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	149281	23.743	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 15.249 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Instrument :

MSVOA_W

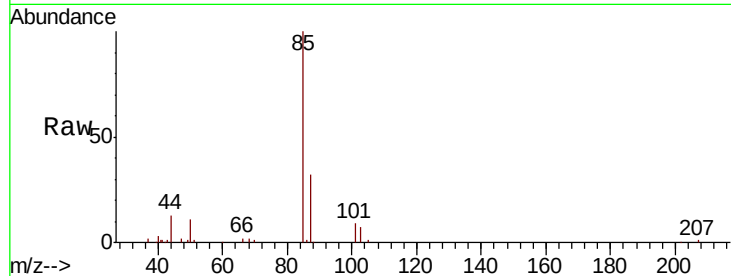
ClientSampleId :

Tot Ion: 85 Resp: 48862

Ion Ratio Lower Upper

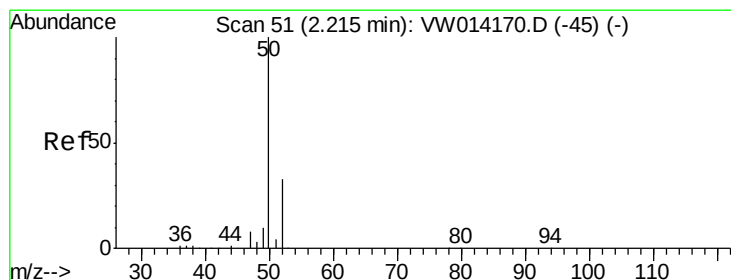
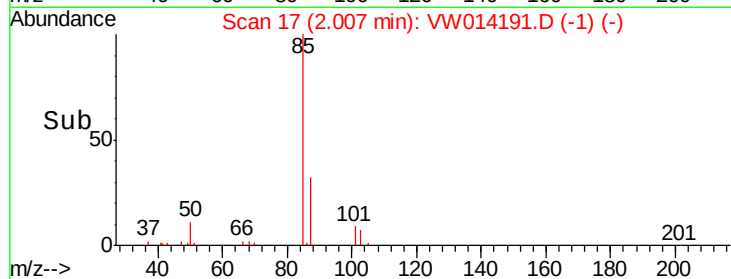
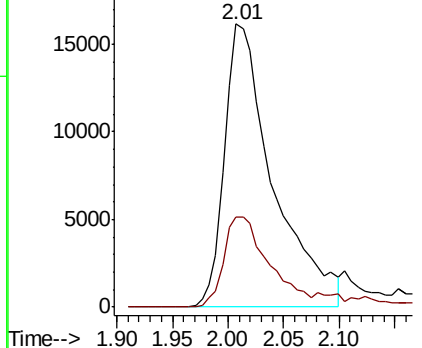
85 100

87 29.8 22.1 41.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 17.696 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014191.D

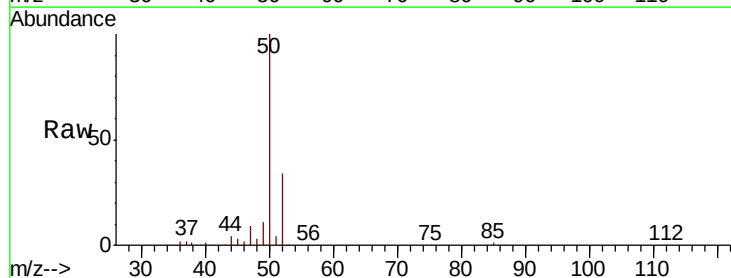
Acq: 29 Nov 2019 19:30

Tgt Ion: 50 Resp: 50365

Ion Ratio Lower Upper

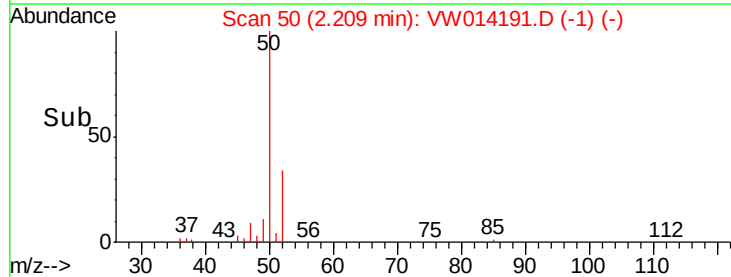
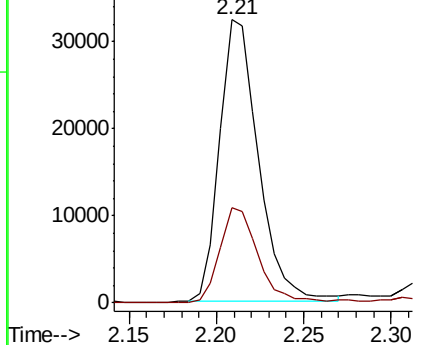
50 100

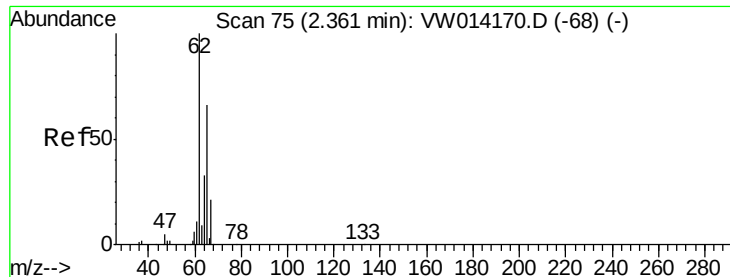
52 33.5 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 21.141 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Instrument :

MSVOA_W

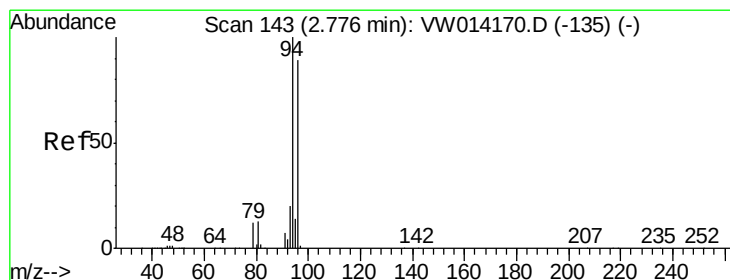
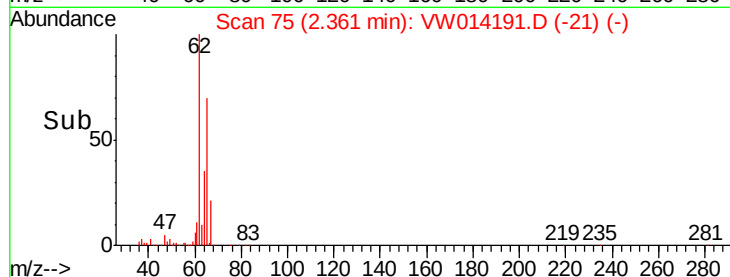
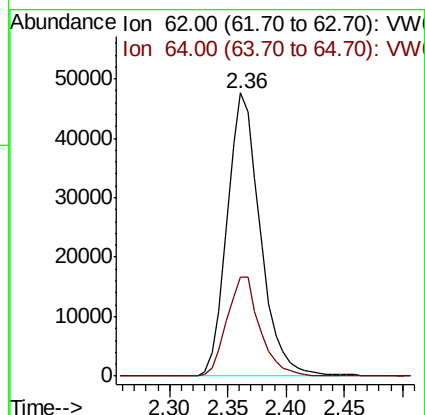
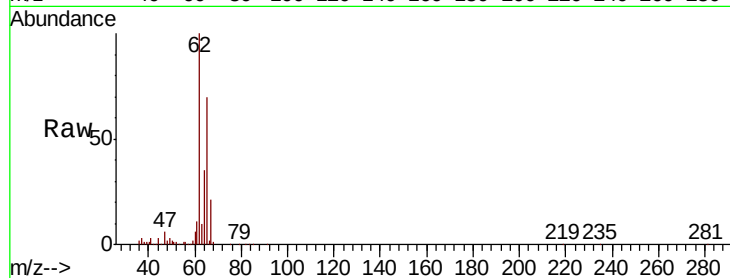
ClientSampleId :

Tot Ion: 62 Resp: 93951

Ion Ratio Lower Upper

62 100

64 35.0 21.8 40.4



#6

Bromomethane

Concen: 22.754 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW014191.D

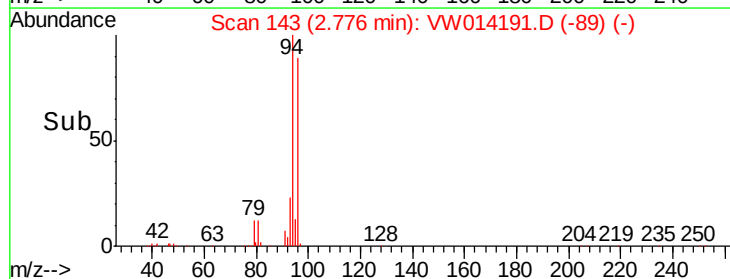
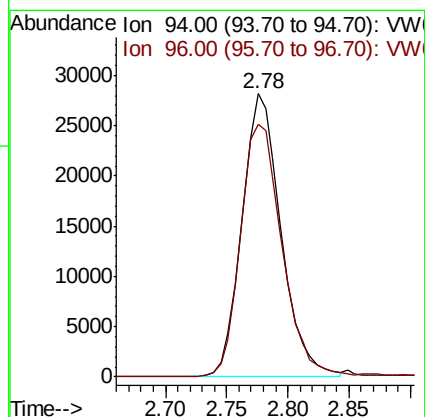
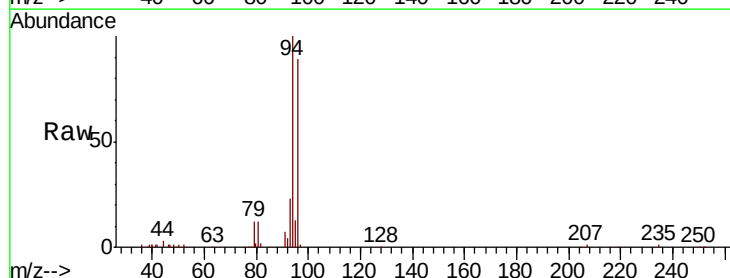
Acq: 29 Nov 2019 19:30

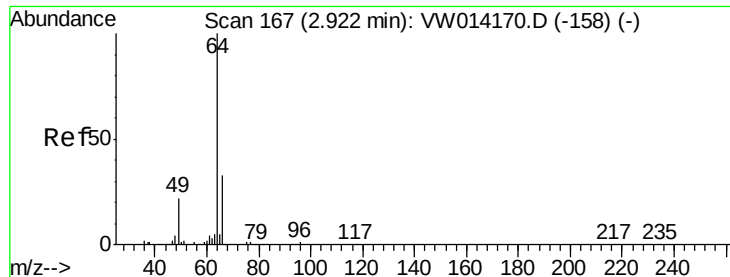
Tgt Ion: 94 Resp: 62607

Ion Ratio Lower Upper

94 100

96 94.6 9.4 178.8





#8

Chloroethane

Concen: 22.270 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Instrument :

MSVOA_W

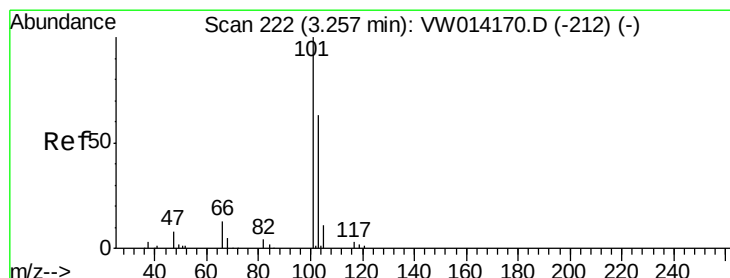
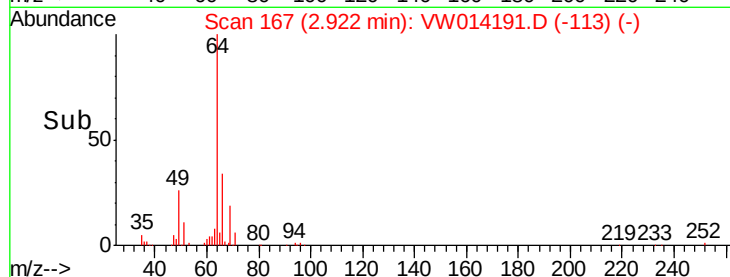
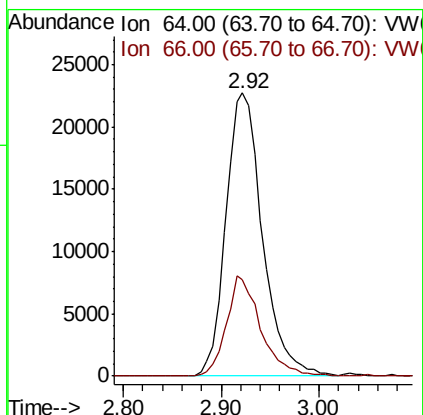
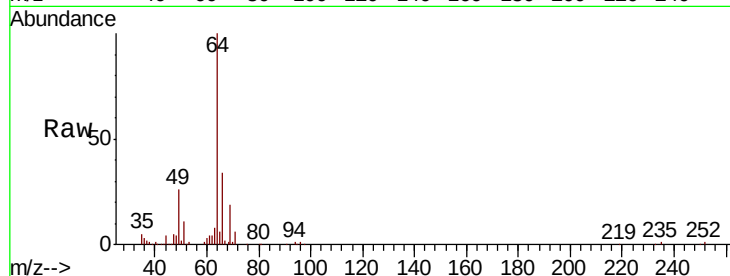
ClientSampleId :

Tot Ion: 64 Resp: 58869

Ion Ratio Lower Upper

64 100

66 34.3 21.2 39.4



#9

Trichlorofluoromethane

Concen: 16.697 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014191.D

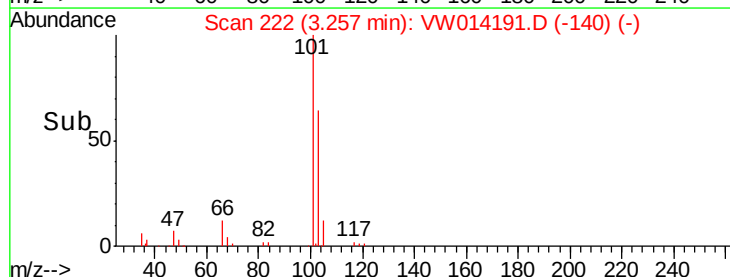
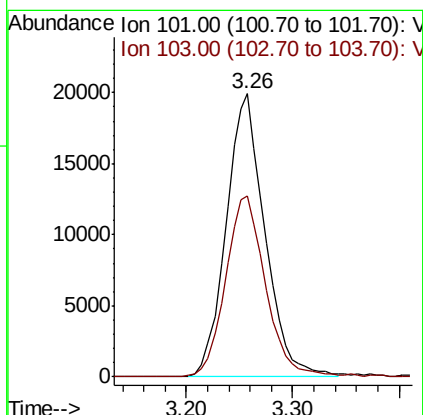
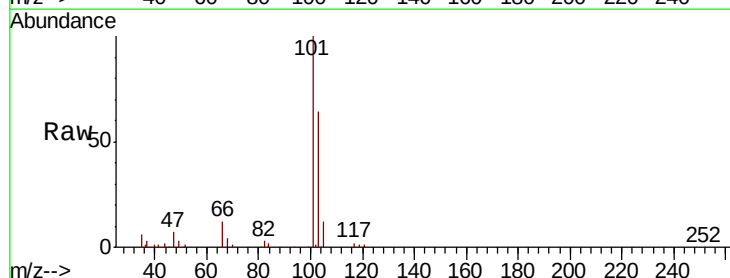
Acq: 29 Nov 2019 19:30

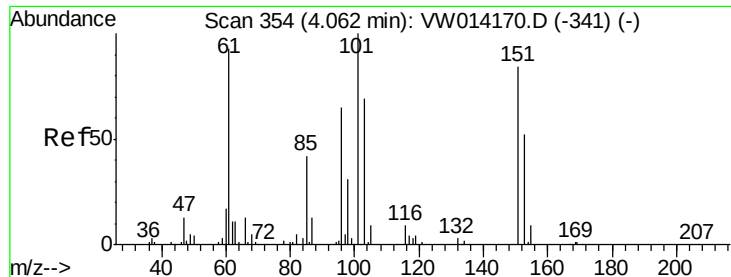
Tgt Ion: 101 Resp: 50599

Ion Ratio Lower Upper

101 100

103 65.8 45.4 84.2





#11

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

Concen: 22.444 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW014191.D

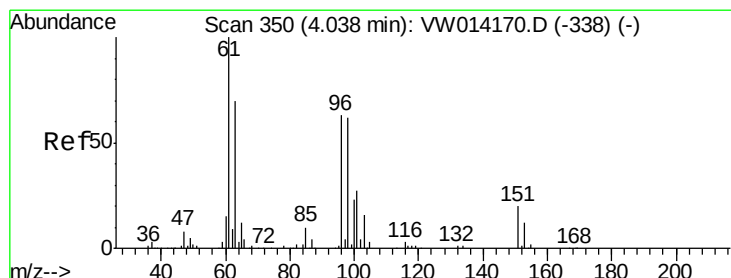
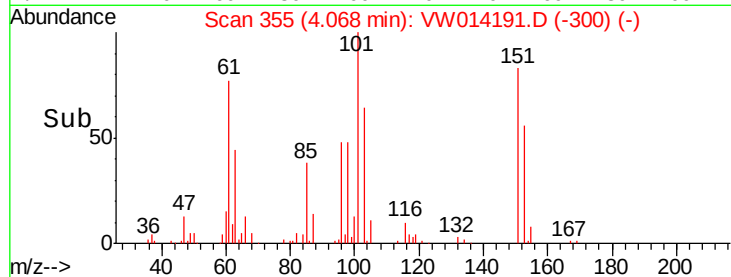
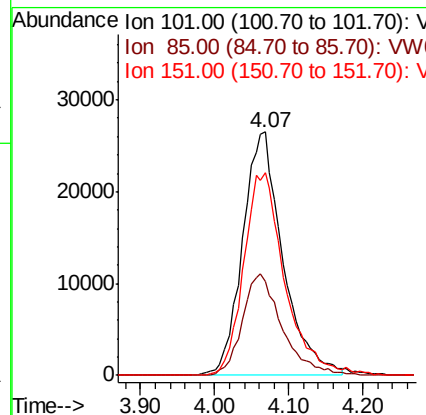
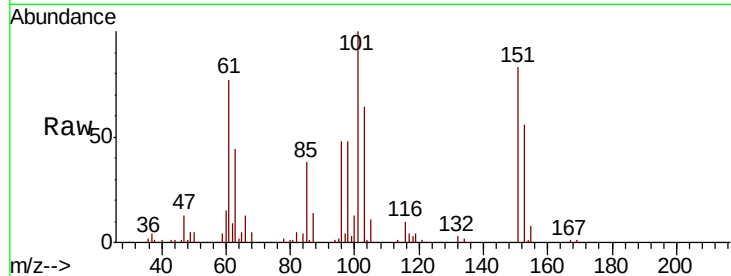
Acq: 29 Nov 2019 19:30

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	101	Resp:	100427
Ion	Ratio	Lower	Upper
101	100		
85	40.9	31.4	47.2
151	83.9	66.9	100.3



#12

1,1-Dichloroethene

Concen: 22.129 ug/L

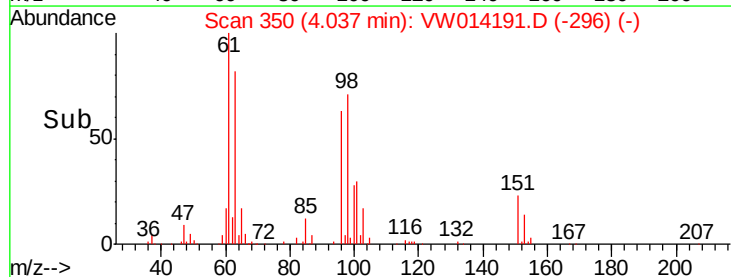
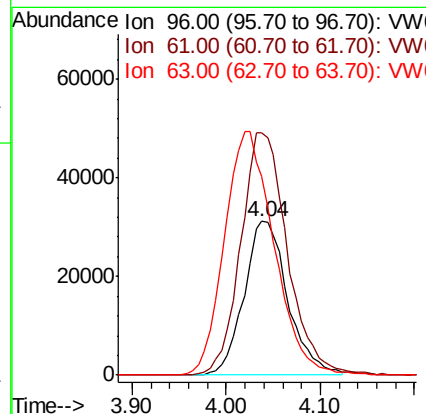
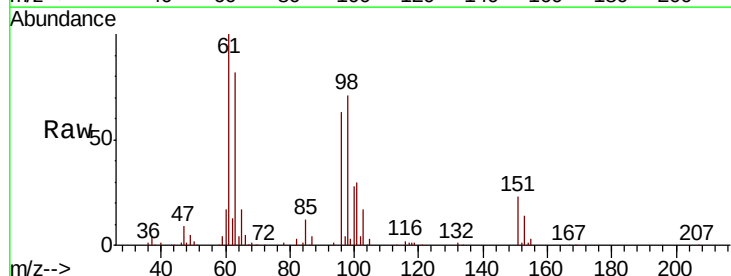
RT: 4.04 min Scan# 350

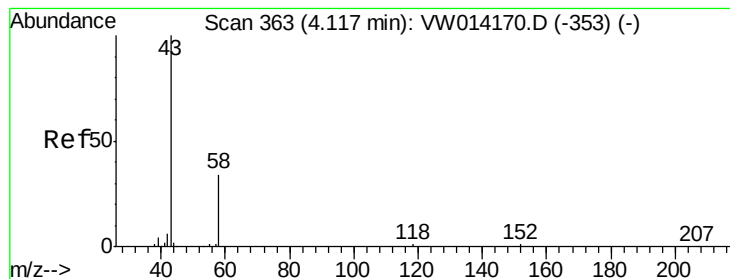
Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Tgt Ion:	96	Resp:	100652
Ion	Ratio	Lower	Upper
96	100		
61	157.9	109.8	204.0
63	129.9	80.7	149.9





#13

Acetone

Concen: 37.864 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Instrument :

MSVOA_W

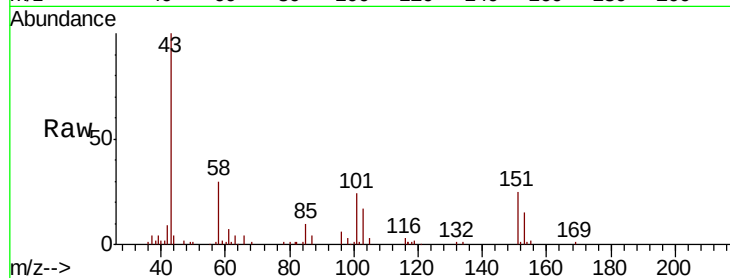
ClientSampled :

Tot Ion: 43 Resp: 48118

Ion Ratio Lower Upper

43 100

58 33.0 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

20000

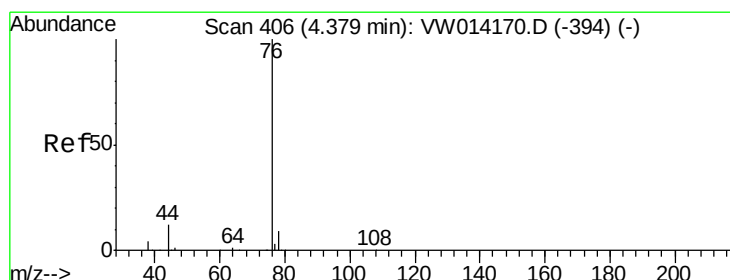
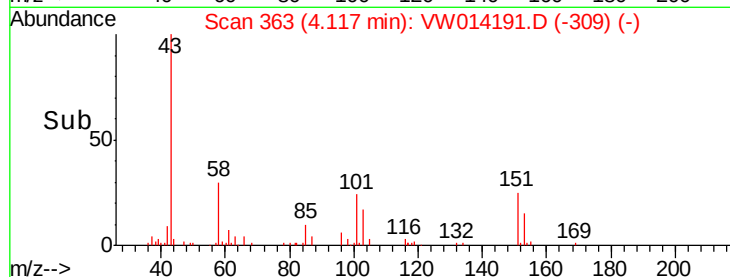
15000

10000

5000

0

Time--> 4.00 4.05 4.10 4.15 4.20



#14

Carbon disulfide

Concen: 20.280 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014191.D

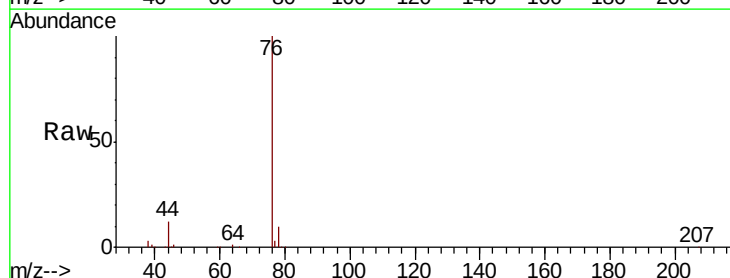
Acq: 29 Nov 2019 19:30

Tgt Ion: 76 Resp: 262540

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

80000

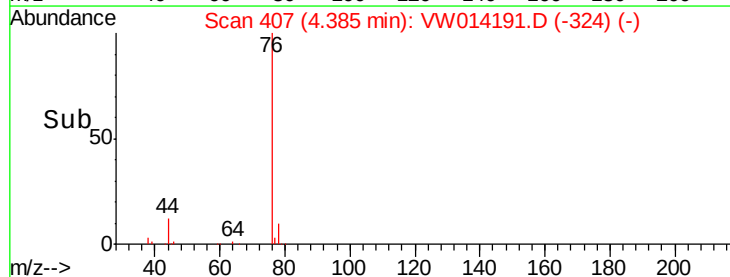
60000

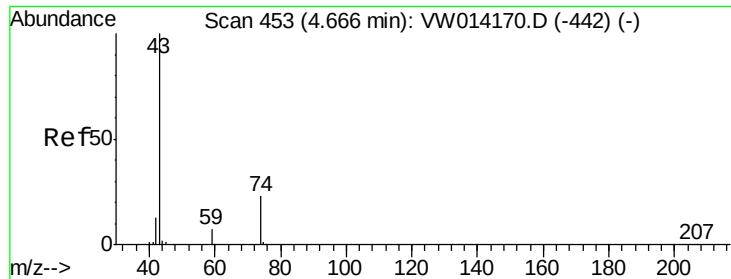
40000

20000

0

Time--> 4.30 4.40 4.50

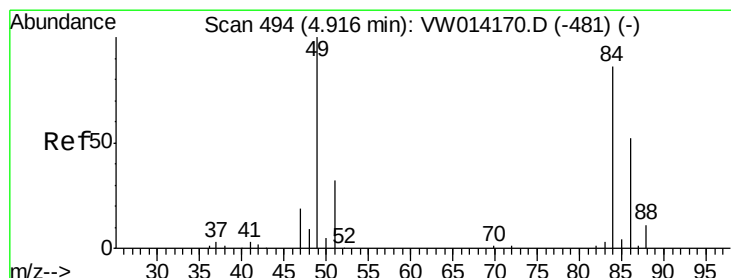
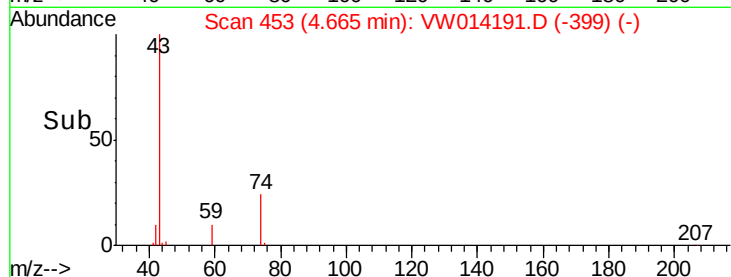
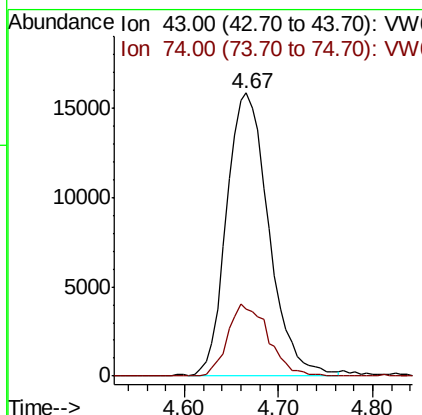
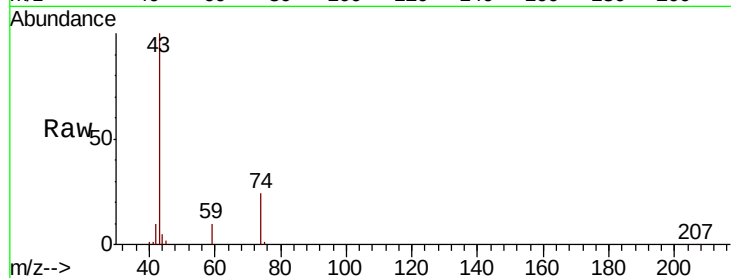




#15
Methvl Acetate
Concen: 23.936 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW014191.D
Acq: 29 Nov 2019 19:30

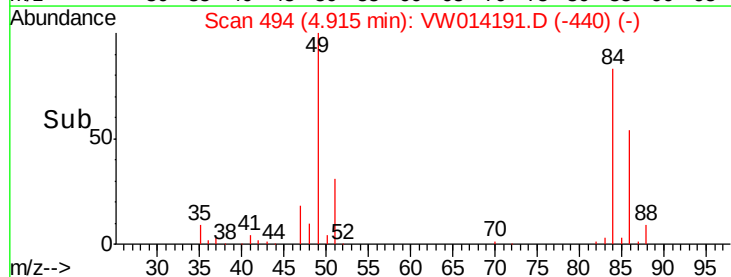
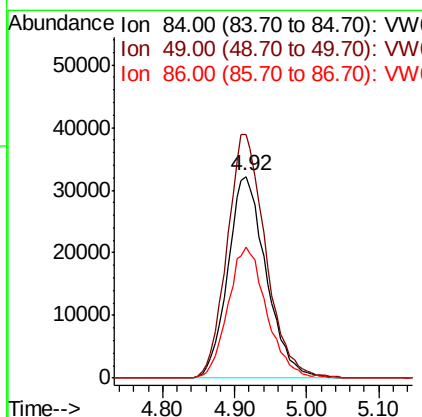
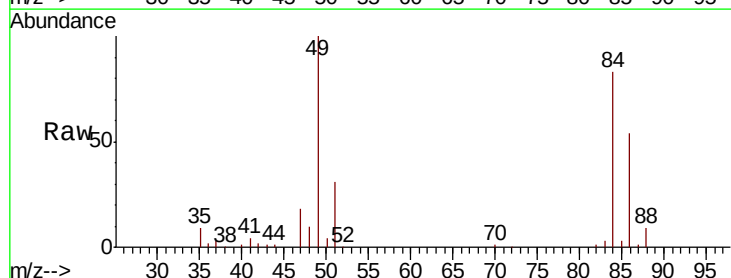
Instrument :
MSVOA_W
ClientSampleId :

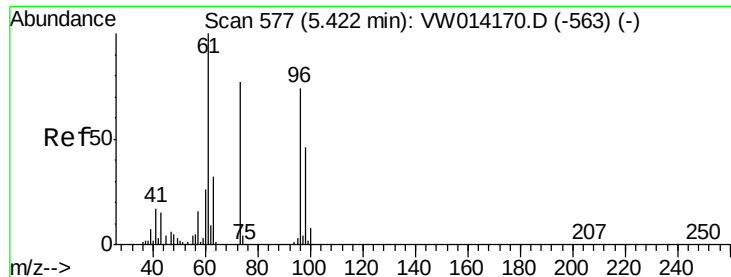
Tot Ion: 43 Resp: 49216
Ion Ratio Lower Upper
43 100
74 24.7 19.3 28.9



#16
Methylene chloride
Concen: 22.962 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014191.D
Acq: 29 Nov 2019 19:30

Tgt Ion: 84 Resp: 119105
Ion Ratio Lower Upper
84 100
49 120.7 84.2 156.4
86 65.1 43.7 81.1

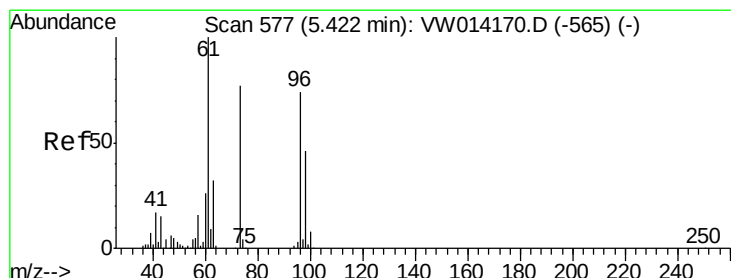
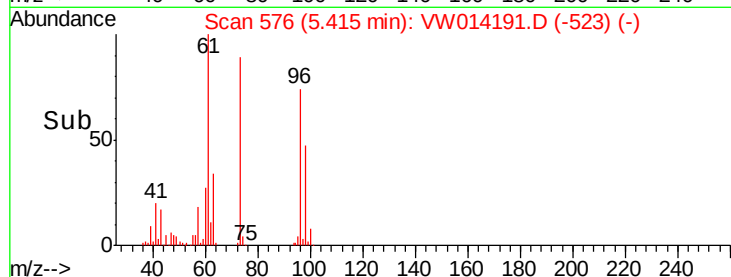
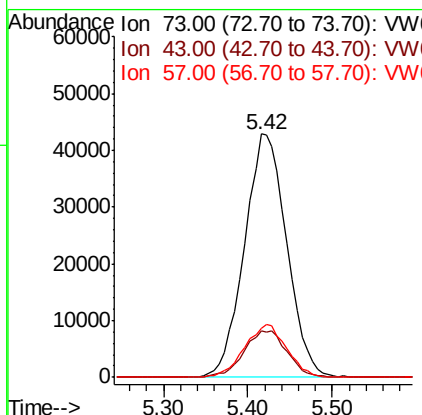
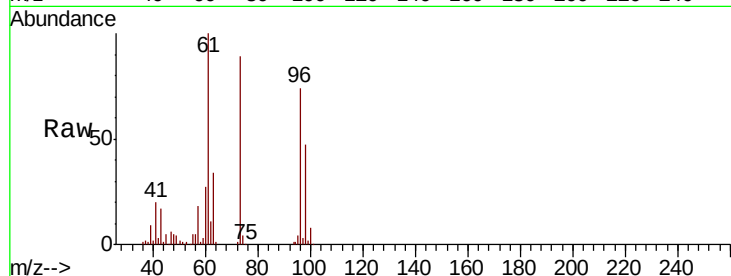




#17
Methyl tert-butyl Ether
Concen: 24.930 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014191.D
Acq: 29 Nov 2019 19:30

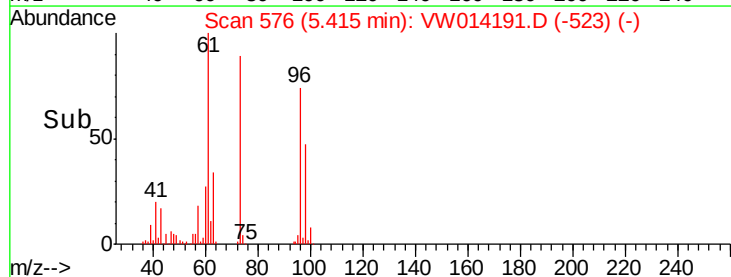
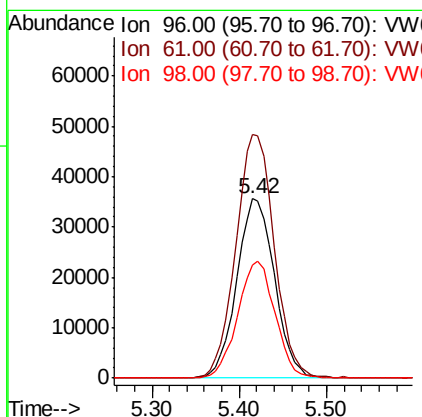
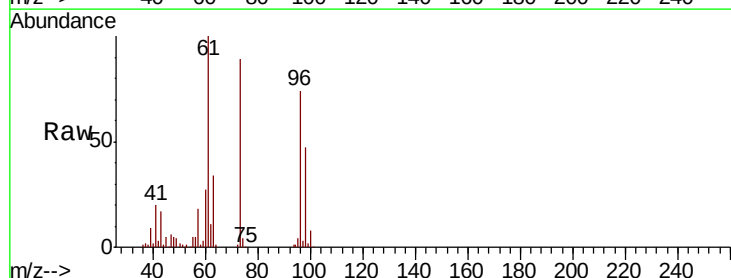
Instrument :
MSVOA_W
ClientSampled :

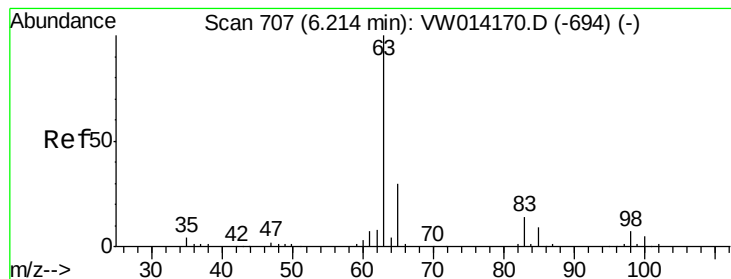
Tot Ion: 73 Resp: 146287
Ion Ratio Lower Upper
73 100
43 19.7 15.5 23.3
57 21.8 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 22.585 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014191.D
Acq: 29 Nov 2019 19:30

Tgt Ion: 96 Resp: 107125
Ion Ratio Lower Upper
96 100
61 135.9 90.6 168.2
98 63.4 42.9 79.7





#19

1,1-Dichloroethane

Concen: 25.063 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Instrument :

MSVOA_W

ClientSampleId :

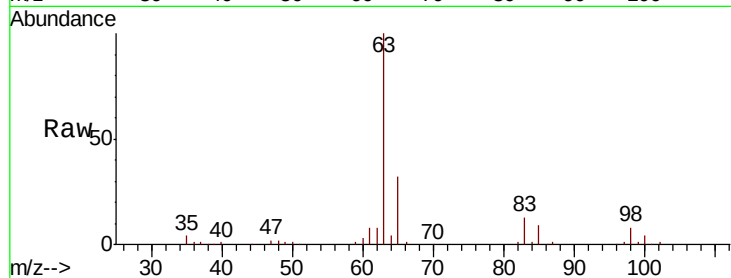
Tot Ion: 63 Resp: 200235

Ion Ratio Lower Upper

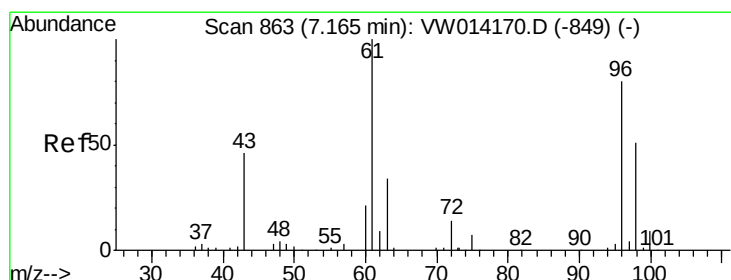
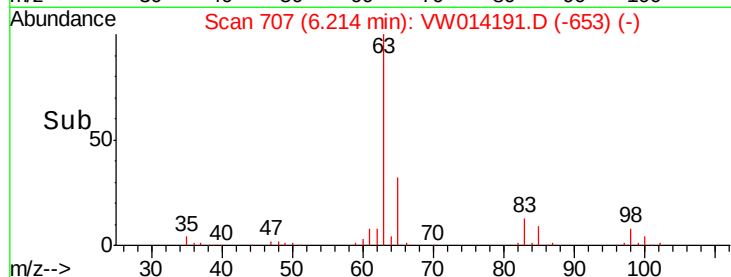
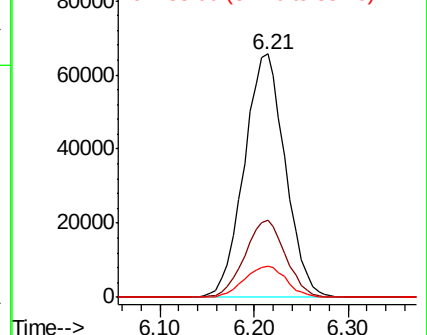
63 100

65 31.9 22.1 41.1

83 12.9 9.0 16.6



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



#21

2-Butanone

Concen: 45.906 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014191.D

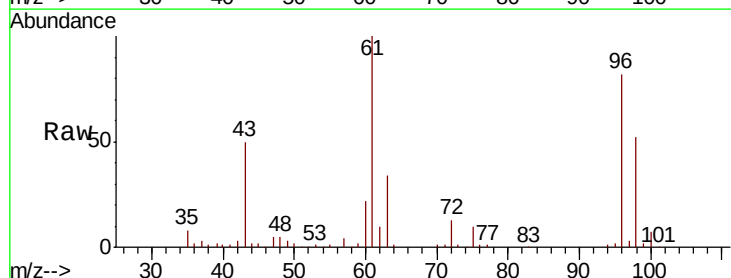
Acq: 29 Nov 2019 19:30

Tgt Ion: 43 Resp: 74950

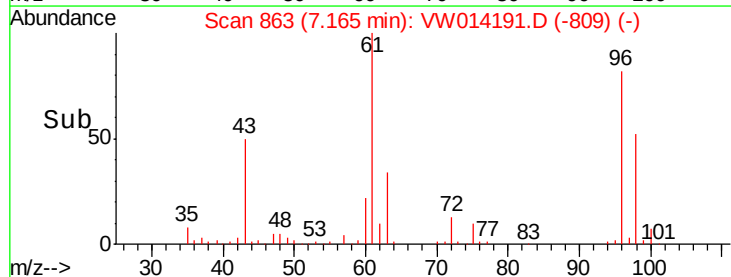
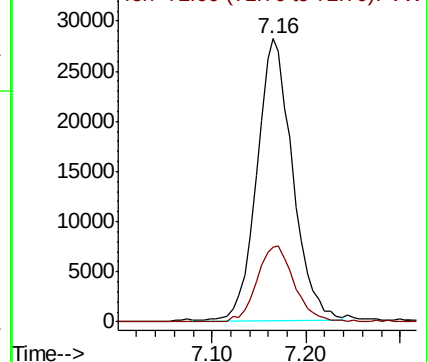
Ion Ratio Lower Upper

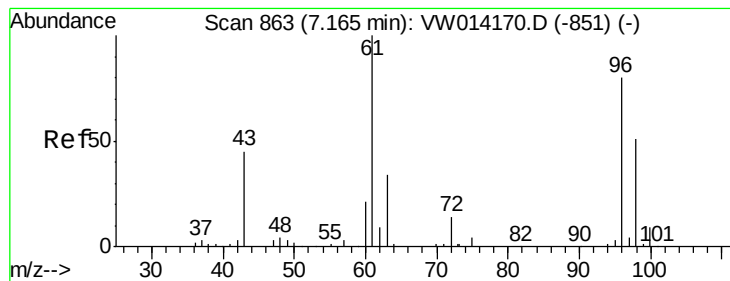
43 100

72 27.9 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



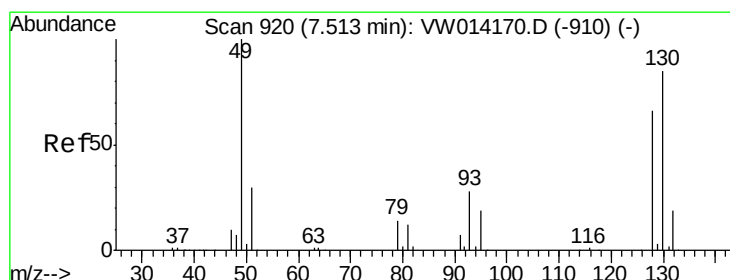
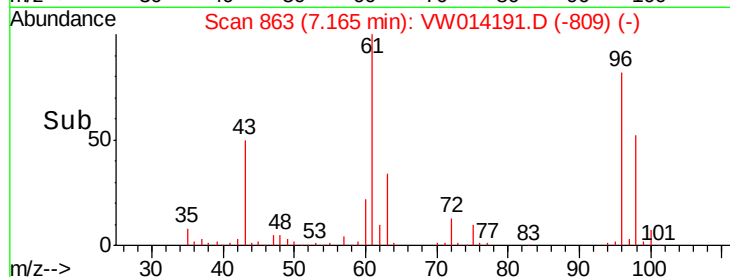
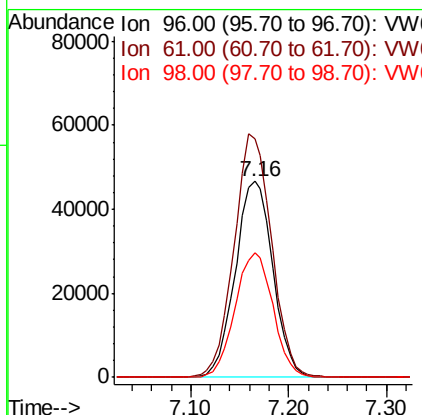
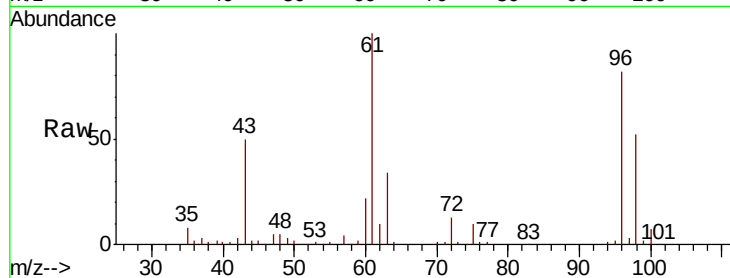


#22

cis-1,2-Dichloroethene
 Concen: 24.898 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014191.D
 Acq: 29 Nov 2019 19:30

Instrument :
 MSVOA_W
 ClientSampleId :

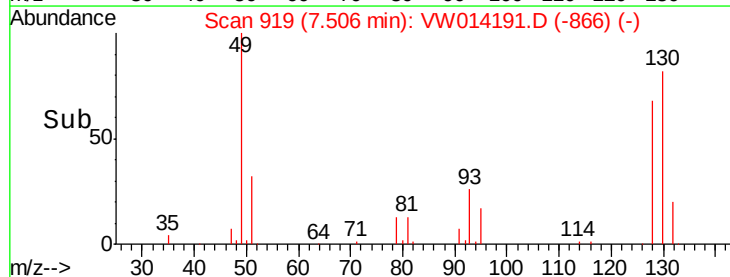
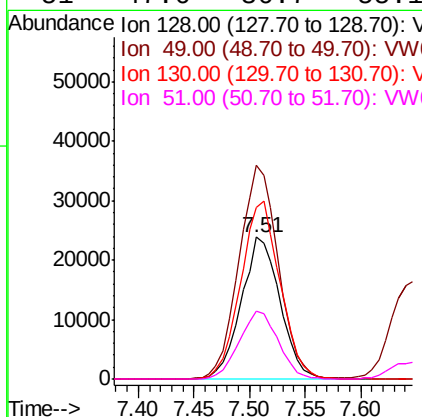
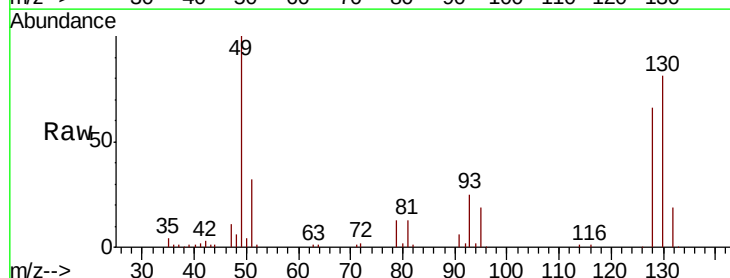
Tot Ion: 96 Resp: 124272
 Ion Ratio Lower Upper
 96 100
 61 122.1 86.9 161.5
 98 63.7 45.5 84.5

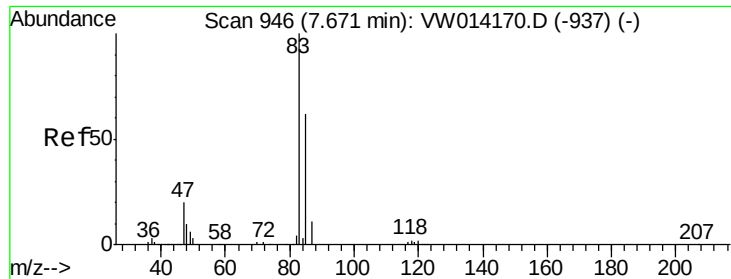


#23

Bromochloromethane
 Concen: 26.325 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW014191.D
 Acq: 29 Nov 2019 19:30

Tgt Ion: 128 Resp: 57677
 Ion Ratio Lower Upper
 128 100
 49 150.7 95.1 176.5
 130 121.4 85.0 158.0
 51 47.6 36.7 55.1





#25

Chloroform

Concen: 26.378 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Instrument :

MSVOA_W

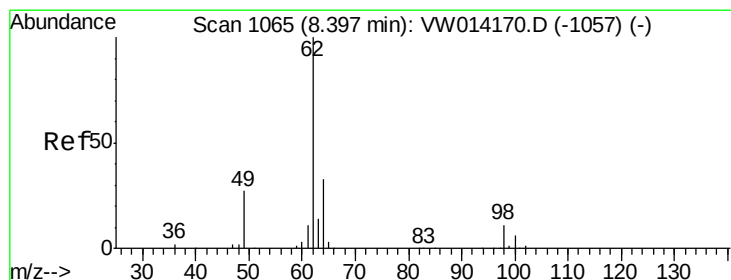
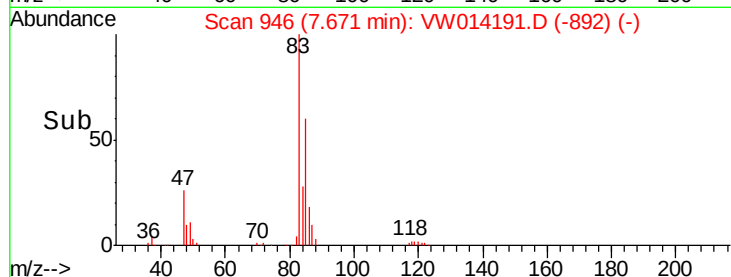
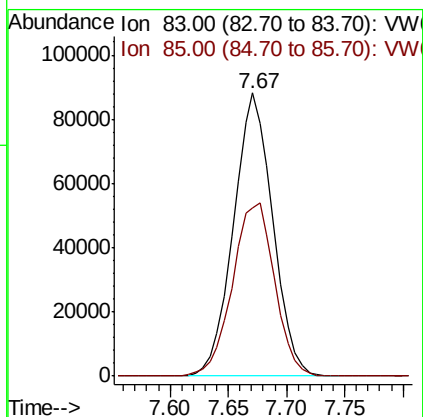
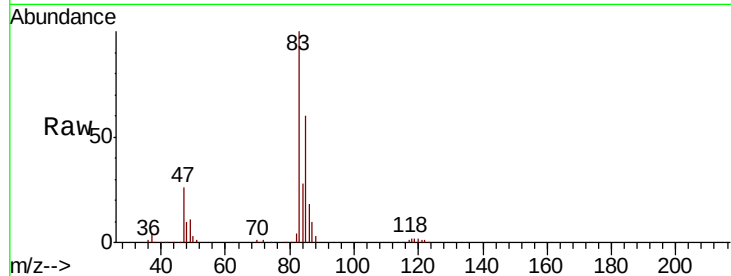
ClientSampled :

Tot Ion: 83 Resp: 206954

Ion Ratio Lower Upper

83 100

85 66.0 46.1 85.7



#27

1,2-Dichloroethane

Concen: 27.953 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014191.D

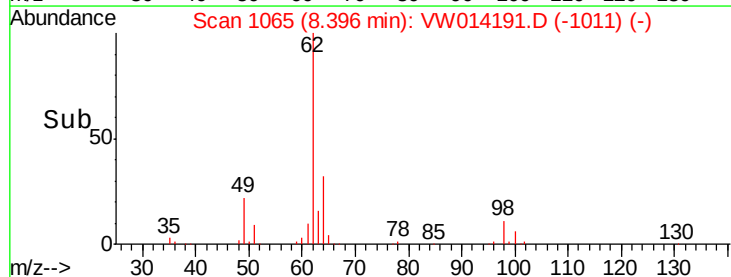
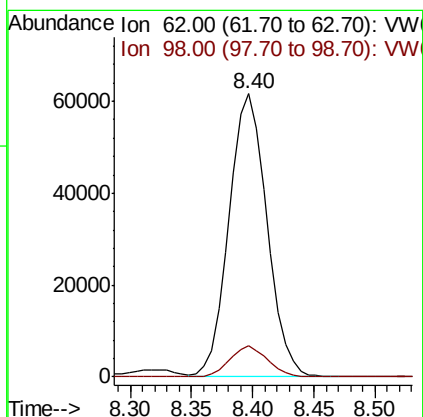
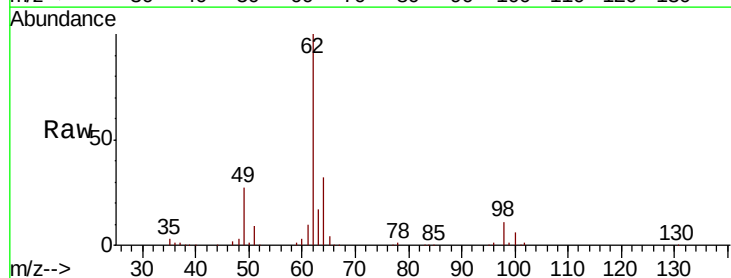
Acq: 29 Nov 2019 19:30

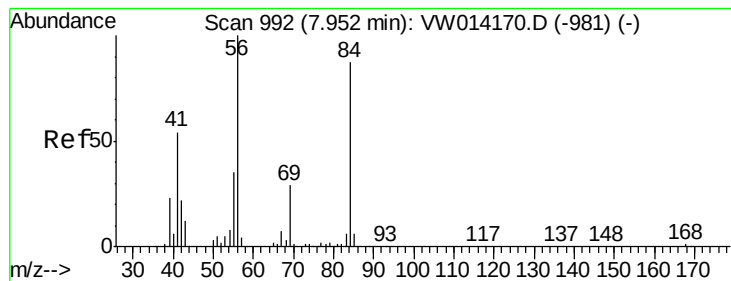
Tgt Ion: 62 Resp: 132777

Ion Ratio Lower Upper

62 100

98 11.0 9.3 13.9





#30

Cyclohexane

Concen: 19.152 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

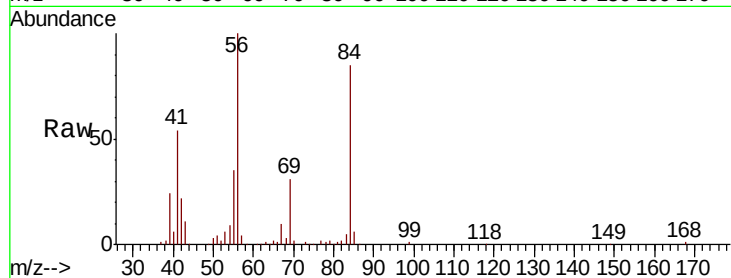
Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 165188

Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.6	37.0
84	87.2	70.2	105.2

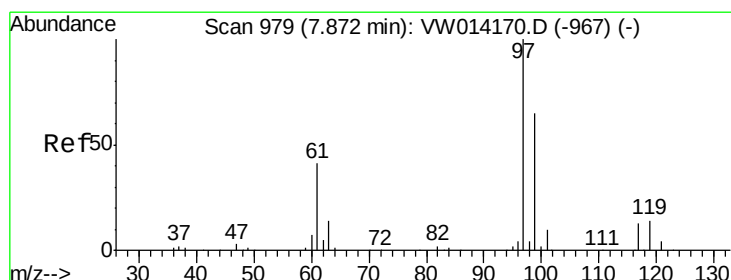
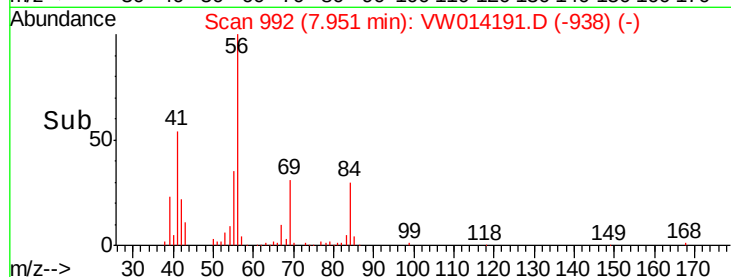
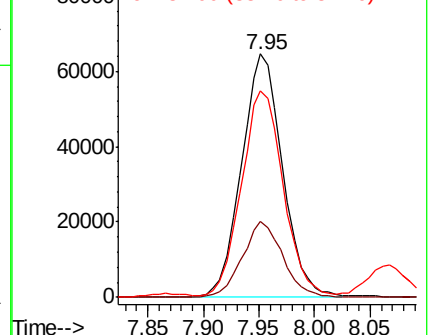


Abundance

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: 22.865 ug/L

RT: 7.87 min Scan# 979

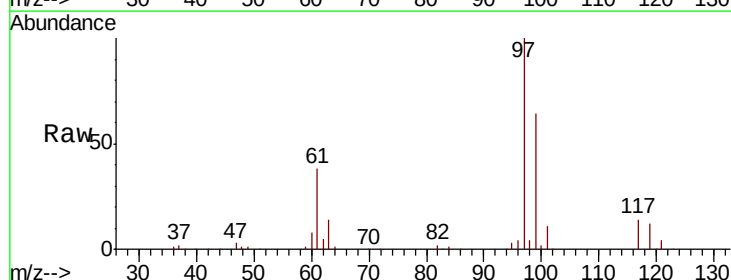
Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Tgt Ion: 97 Resp: 154443

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.1	76.7
61	41.7	32.8	49.2

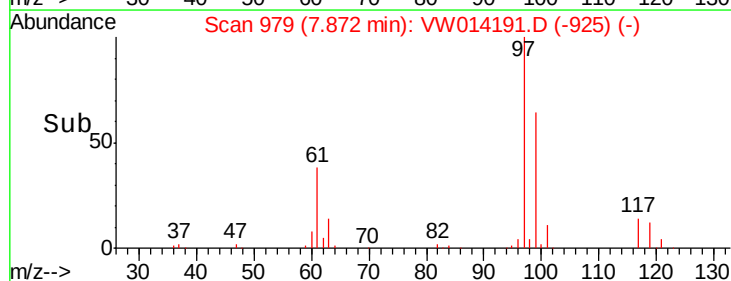
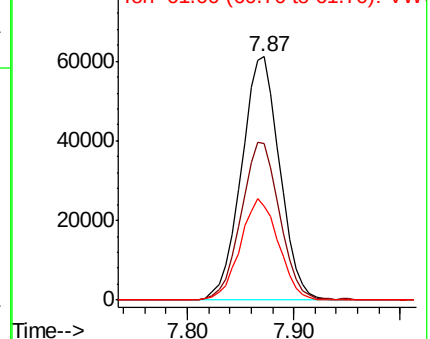


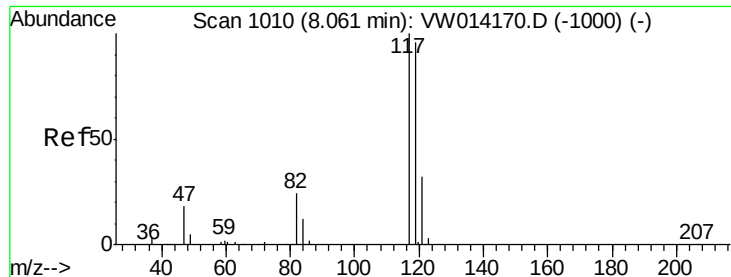
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 21.911 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Instrument :

MSVOA_W

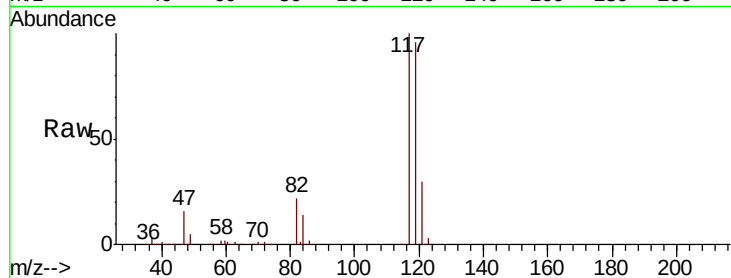
ClientSampleId :

Tot Ion:117 Resp: 142070

Ion Ratio Lower Upper

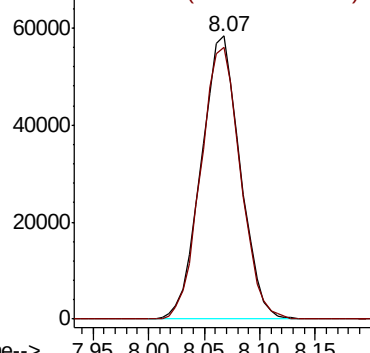
117 100

119 97.5 76.7 115.1

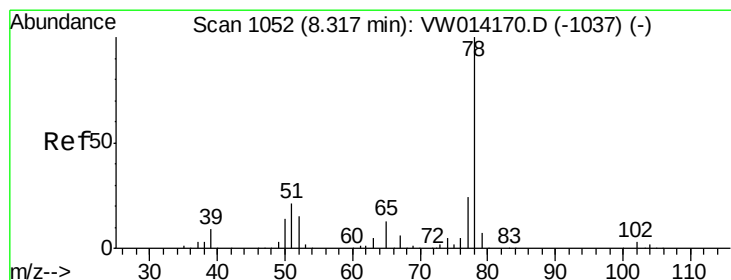
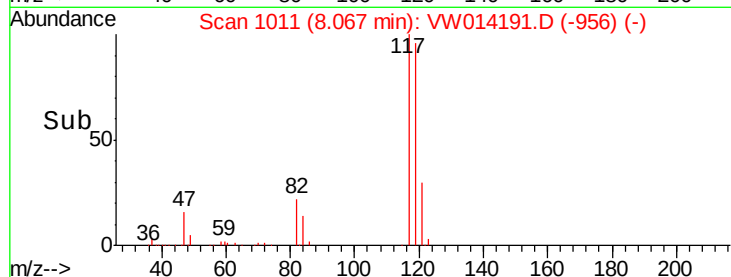


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 23.447 ug/L

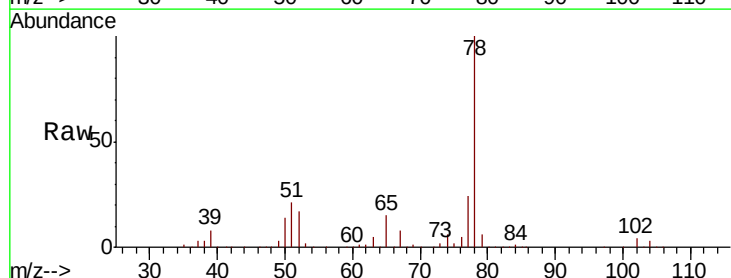
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

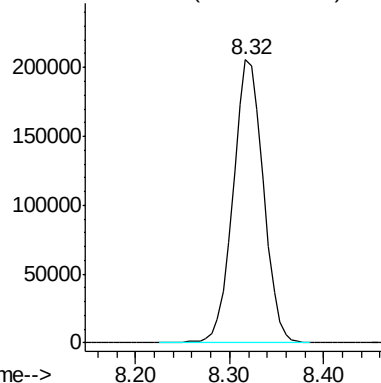
Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

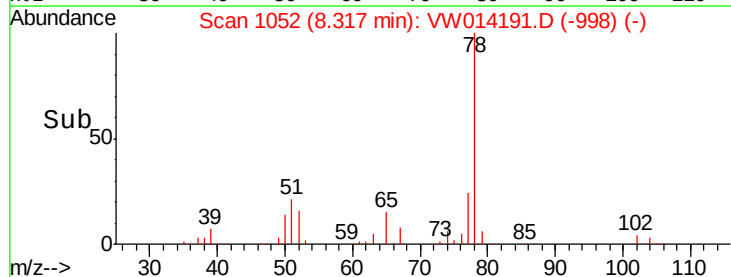
Tgt Ion: 78 Resp: 463519

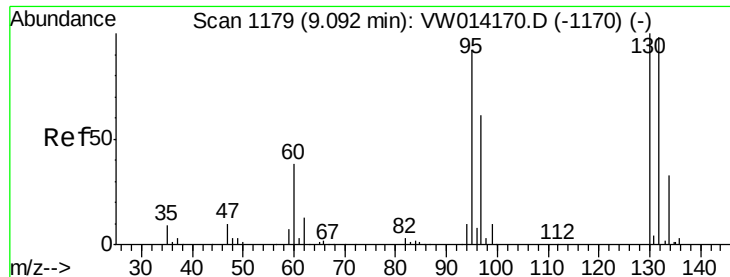


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->





#35

Trichloroethene

Concen: 22.182 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 116977

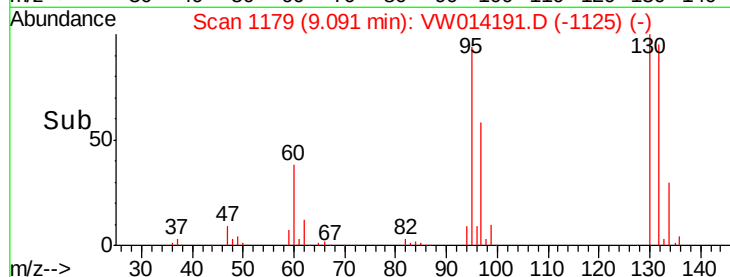
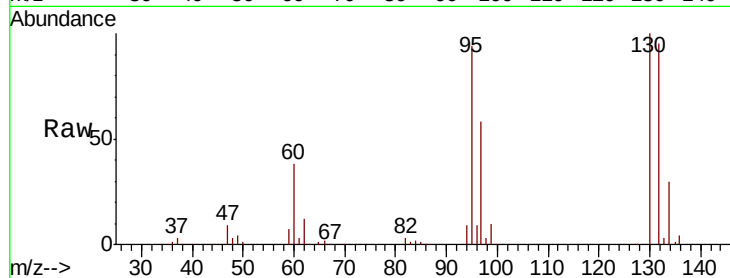
Ion Ratio Lower Upper

95 100

97 65.0 45.1 83.9

132 103.3 73.7 136.9

130 109.0 76.6 142.2

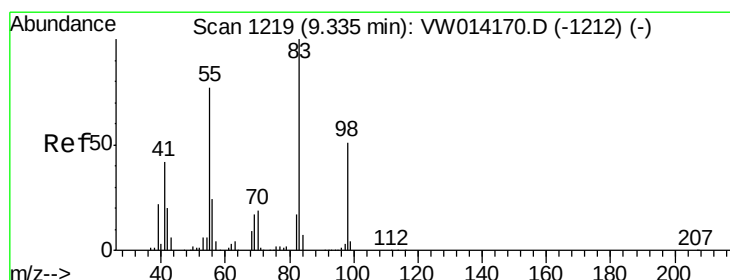
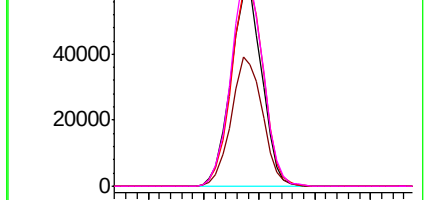


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 19.144 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

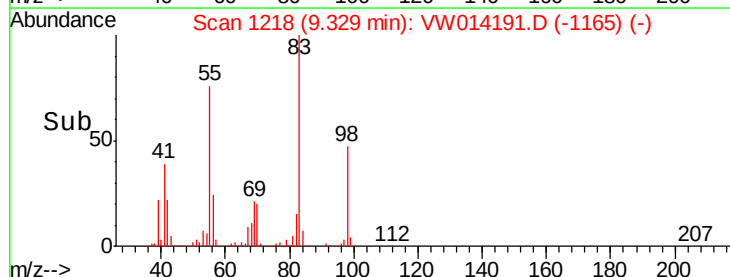
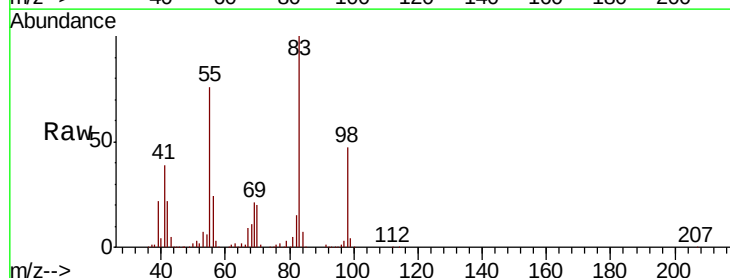
Tgt Ion: 83 Resp: 181016

Ion Ratio Lower Upper

83 100

55 77.5 59.8 89.8

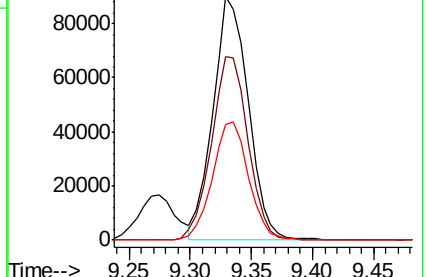
98 49.6 39.5 59.3

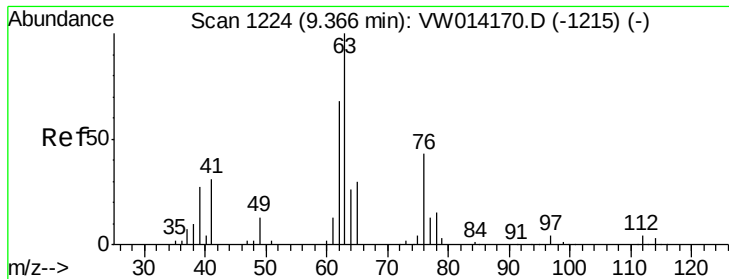


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 25.078 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

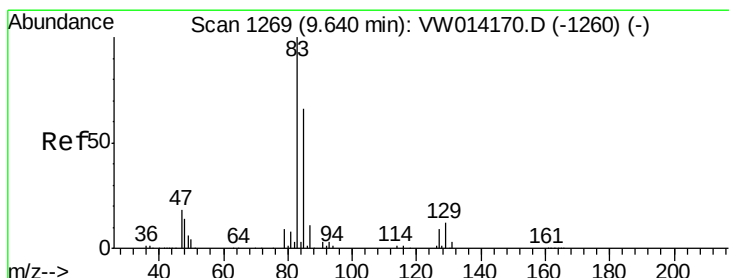
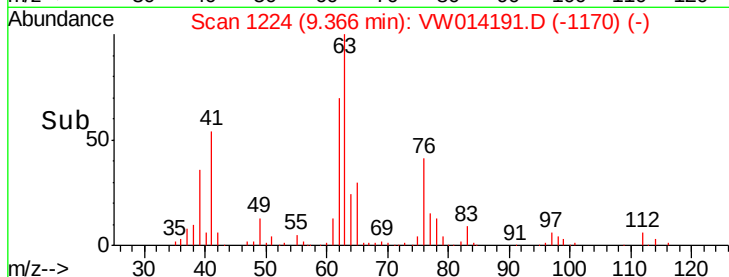
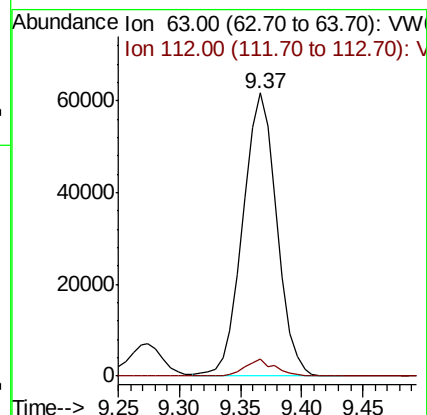
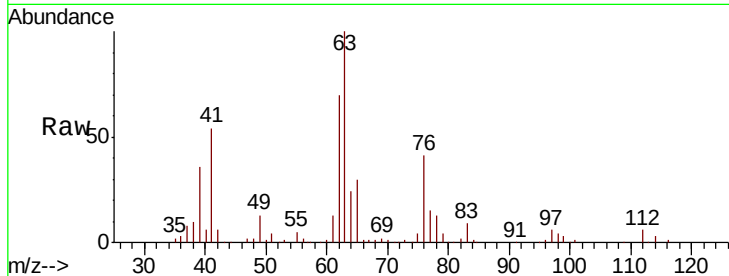
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 119345

Ion Ratio Lower Upper

63 100

112 5.3 3.9 5.9



#41

Bromodichloromethane

Concen: 26.206 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

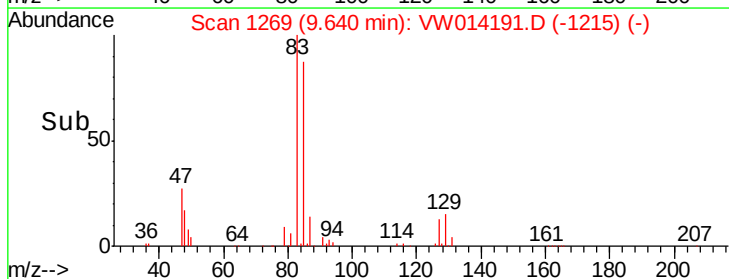
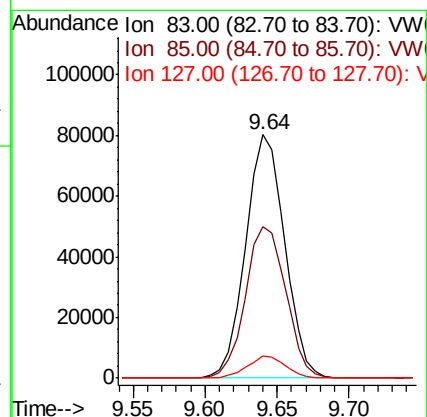
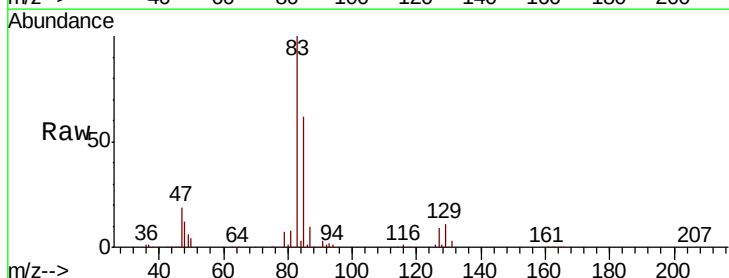
Tgt Ion: 83 Resp: 150773

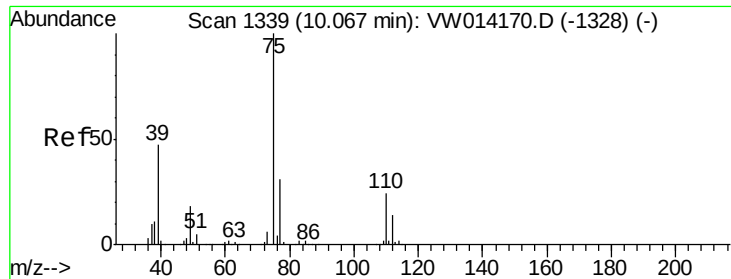
Ion Ratio Lower Upper

83 100

85 62.0 45.1 83.7

127 9.3 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 24.023 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Instrument :

MSVOA_W

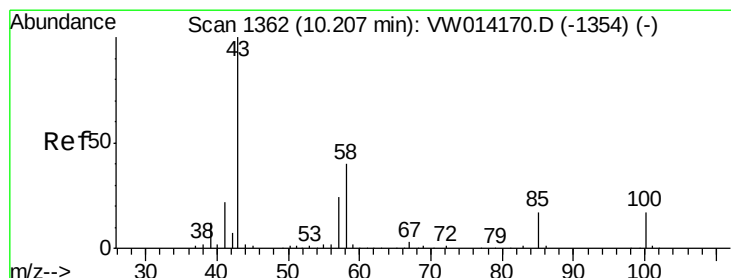
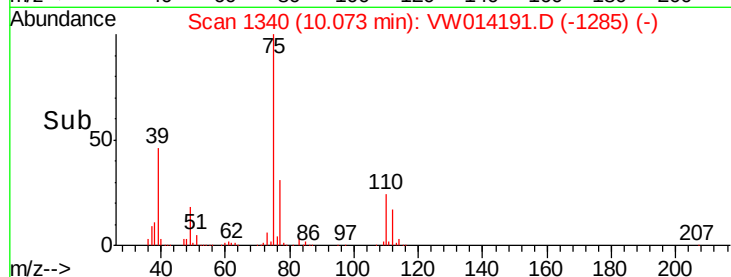
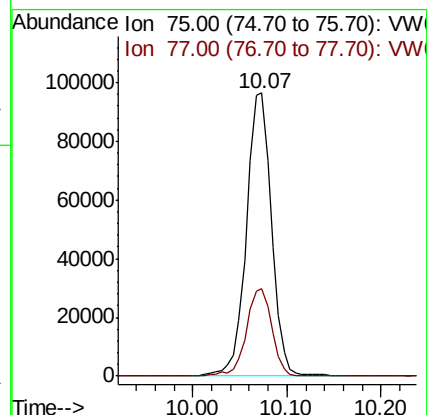
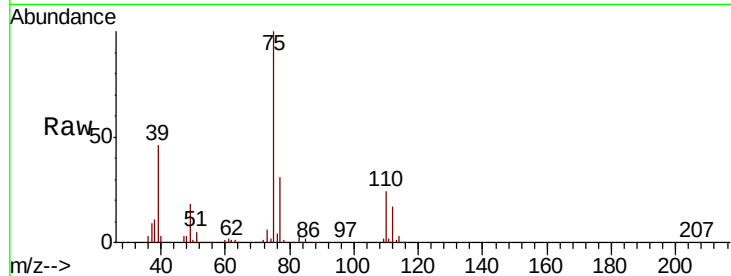
ClientSampled :

Tot Ion: 75 Resp: 180418

Ion Ratio Lower Upper

75 100

77 30.7 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 46.841 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

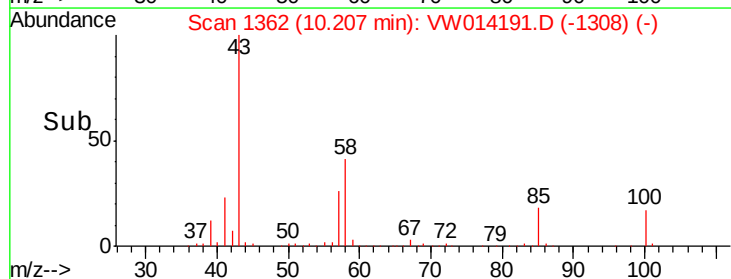
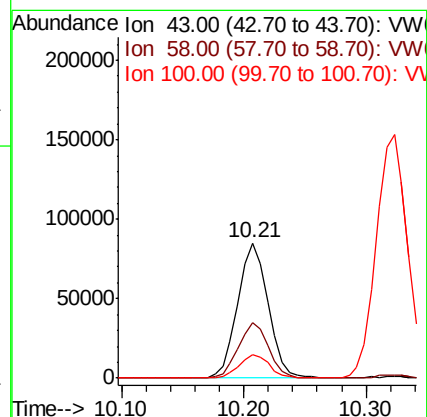
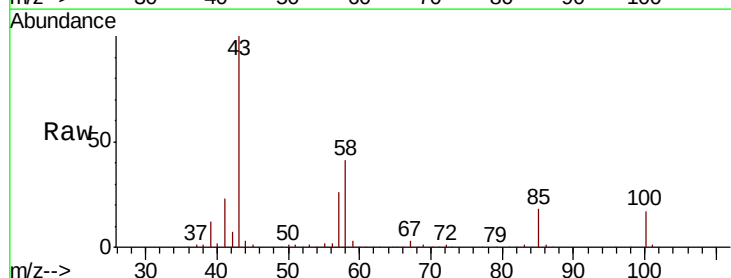
Tgt Ion: 43 Resp: 147182

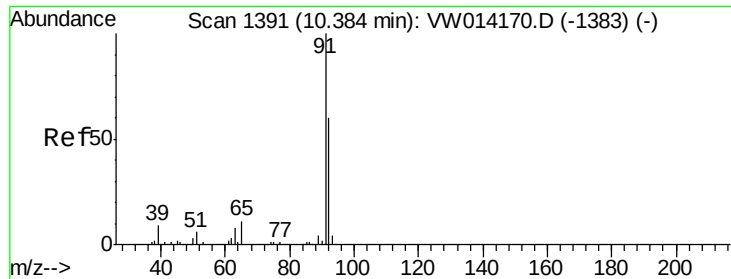
Ion Ratio Lower Upper

43 100

58 40.1 32.6 49.0

100 16.7 13.8 20.8





#44

Toluene

Concen: 23.458 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Instrument :

MSVOA_W

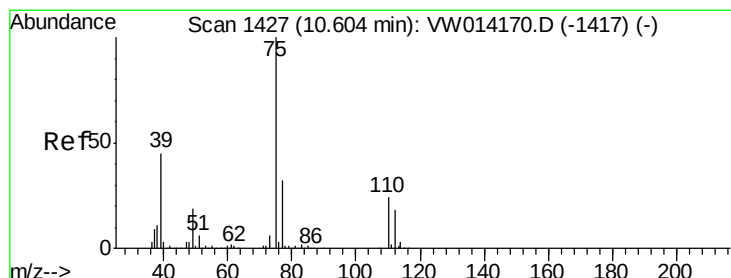
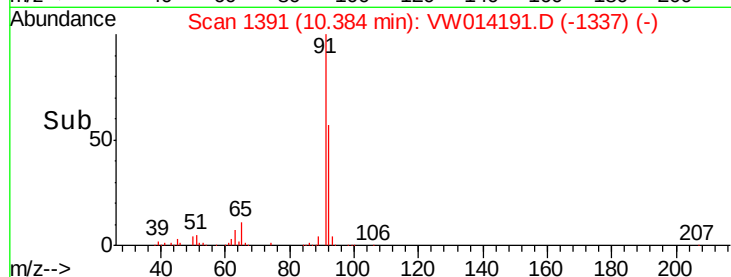
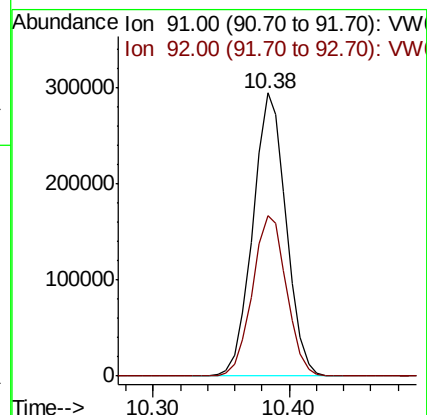
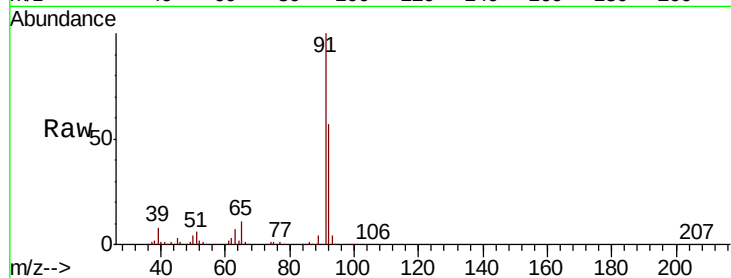
ClientSampleId :

Tot Ion: 91 Resp: 505614

Ion Ratio Lower Upper

91 100

92 56.9 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 24.581 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014191.D

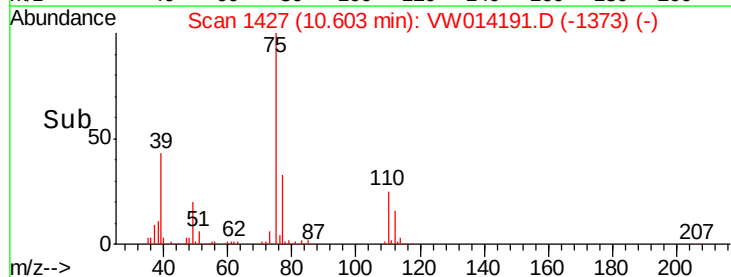
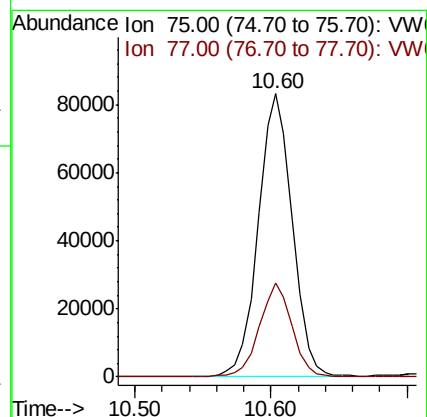
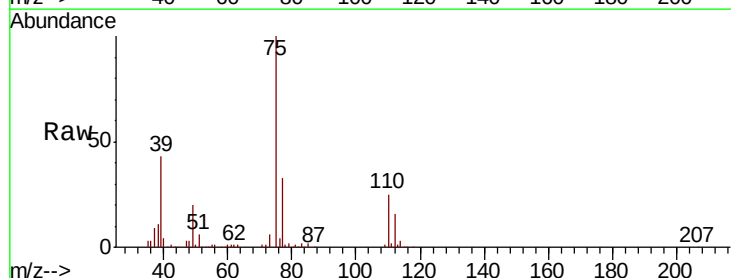
Acq: 29 Nov 2019 19:30

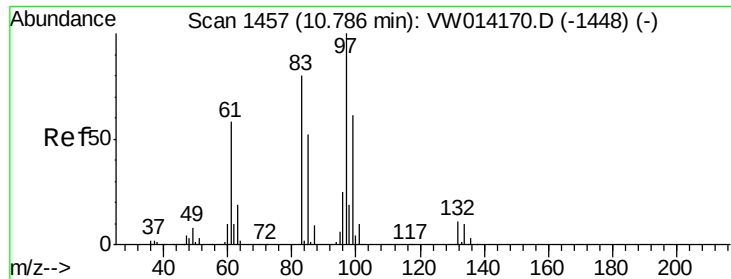
Tgt Ion: 75 Resp: 145987

Ion Ratio Lower Upper

75 100

77 33.4 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 25.233 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

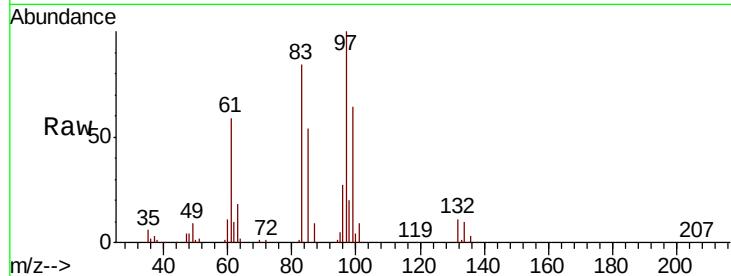
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 88232

Ion	Ratio	Lower	Upper
97	100		
83	83.5	58.9	109.5
85	54.3	38.1	70.9
99	63.6	46.5	86.3



Abundance

Ion 97.00 (96.70 to 97.70): VW

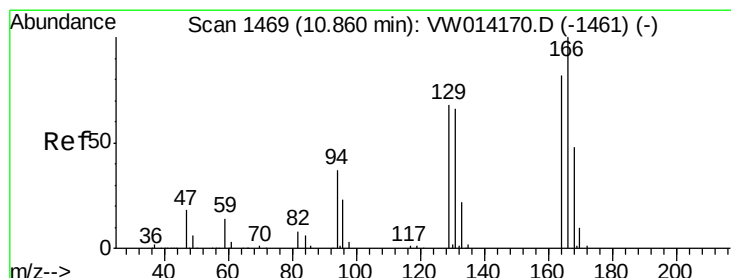
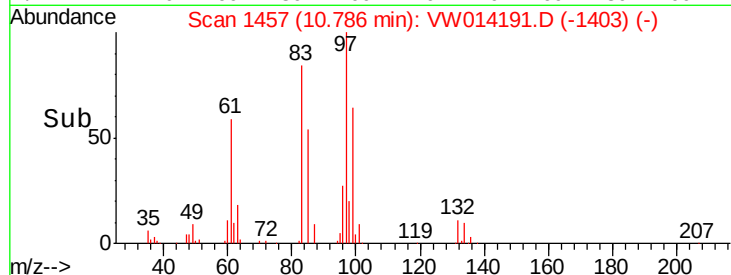
Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

10.79

Time-->



#47

Tetrachloroethene

Concen: 21.886 ug/L

RT: 10.86 min Scan# 1469

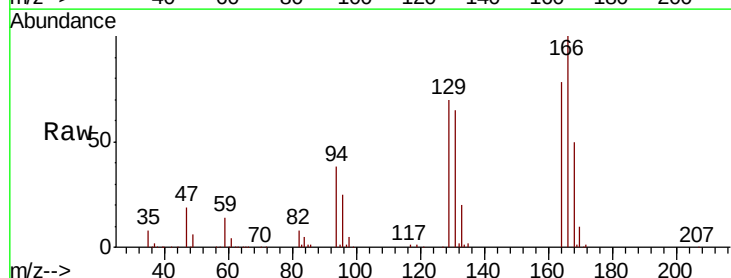
Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Tgt Ion: 164 Resp: 102875

Ion	Ratio	Lower	Upper
164	100		
129	89.3	60.6	112.6
131	83.8	59.1	109.7
166	128.3	90.8	168.6



Abundance

Ion 164.00 (163.70 to 164.70): V

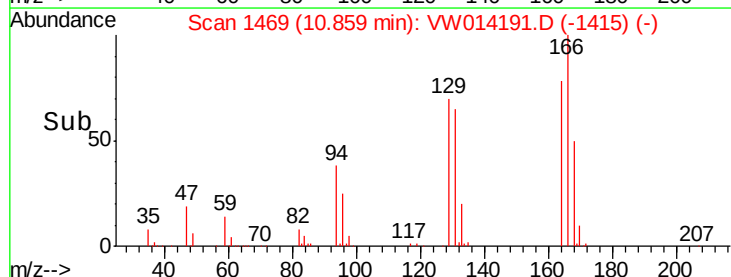
Ion 129.00 (128.70 to 129.70): V

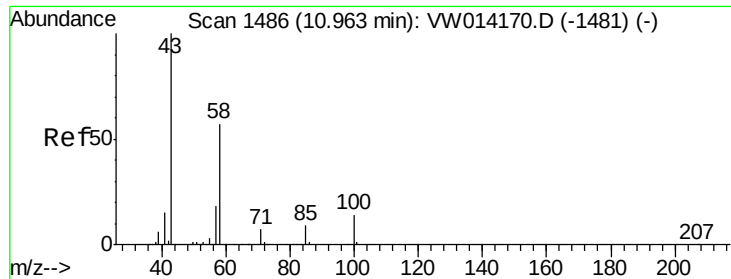
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

10.86

Time-->

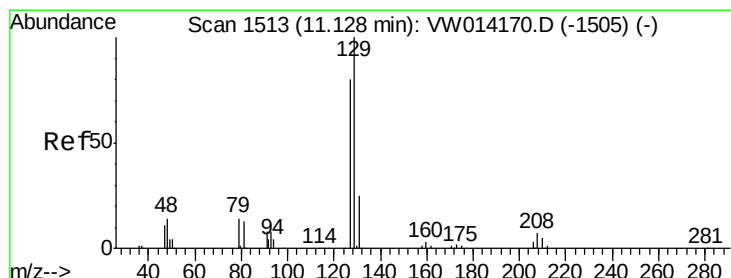
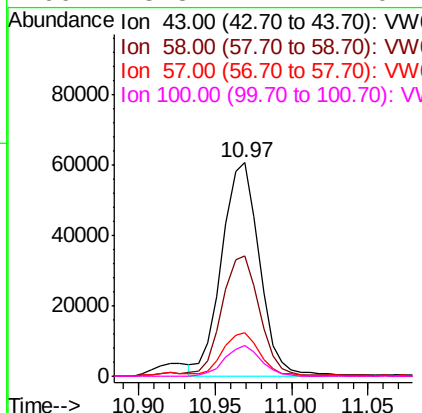
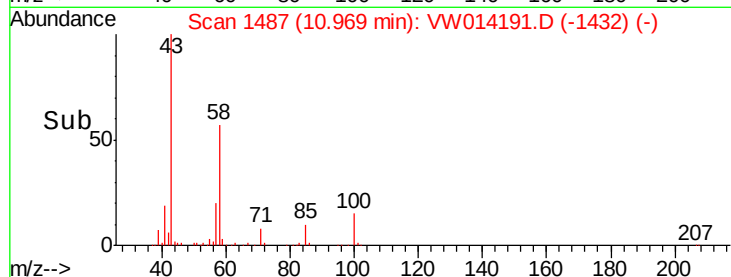
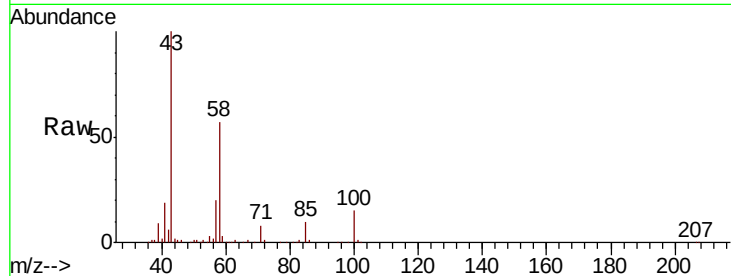




#49
2-Hexanone
Concen: 45.949 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW014191.D
Acq: 29 Nov 2019 19:30

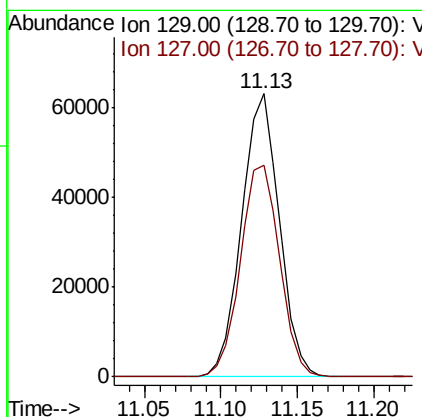
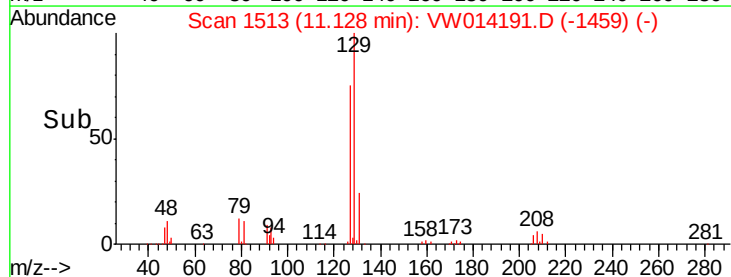
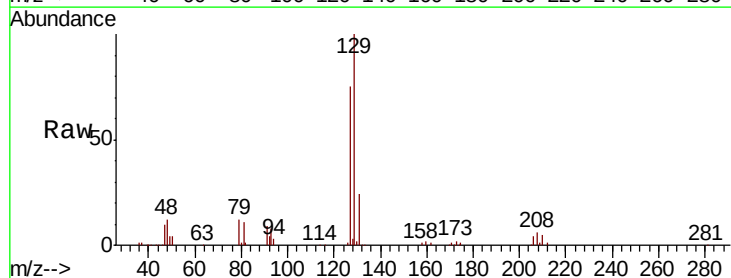
Instrument :
MSVOA_W
ClientSampleId :

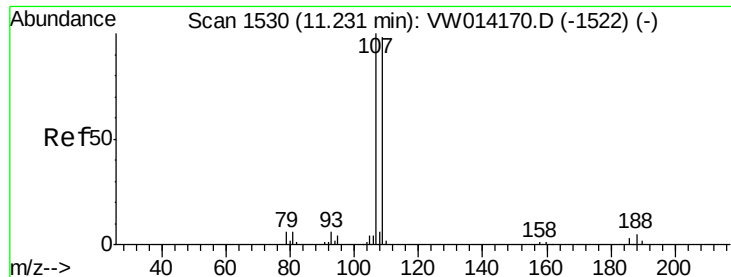
Tot Ion:	43	Resp:	104090
Ion	Ratio	Lower	Upper
43	100		
58	56.7	44.4	66.6
57	20.3	16.5	24.7
100	13.8	11.1	16.7



#50
Dibromochloromethane
Concen: 26.283 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014191.D
Acq: 29 Nov 2019 19:30

Tgt Ion:	129	Resp:	108025
Ion	Ratio	Lower	Upper
129	100		
127	75.0	54.9	102.1

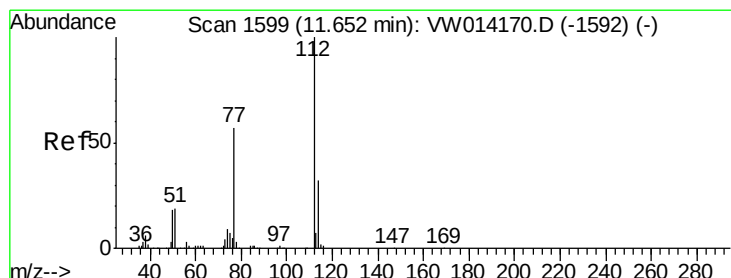
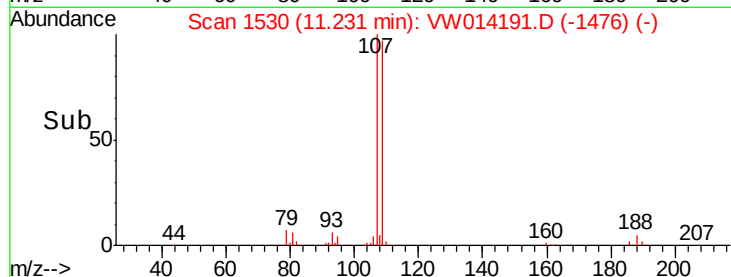
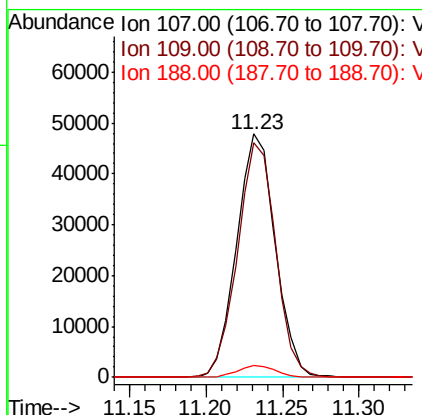
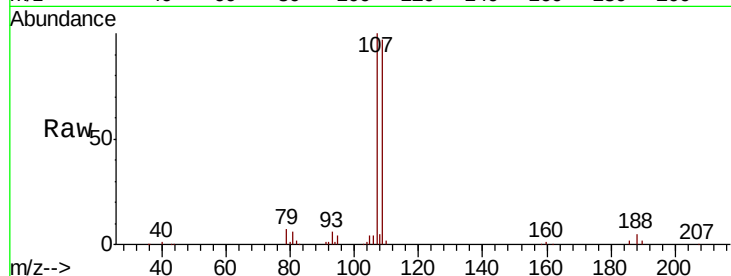




#51
1,2-Dibromoethane
Concen: 24.707 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014191.D
Acq: 29 Nov 2019 19:30

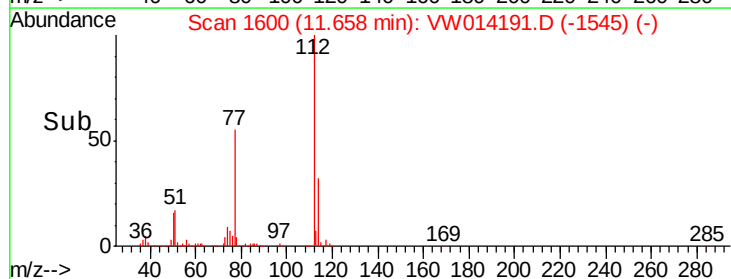
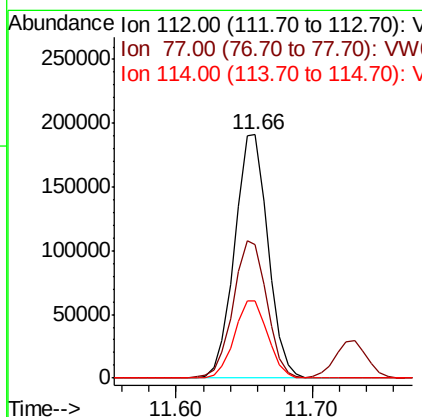
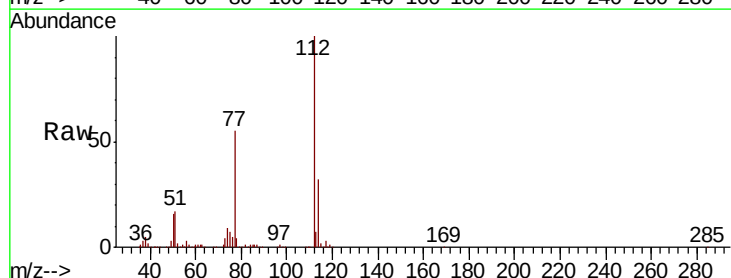
Instrument :
MSVOA_W
ClientSampleId :

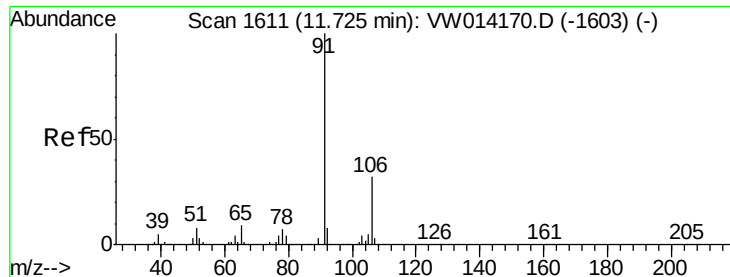
Tot Ion:107 Resp: 83824
Ion Ratio Lower Upper
107 100
109 96.6 64.6 120.0
188 4.8 3.9 5.9



#52
Chlorobenzene
Concen: 24.170 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW014191.D
Acq: 29 Nov 2019 19:30

Tgt Ion:112 Resp: 326599
Ion Ratio Lower Upper
112 100
77 55.0 42.2 63.4
114 31.7 22.5 41.9

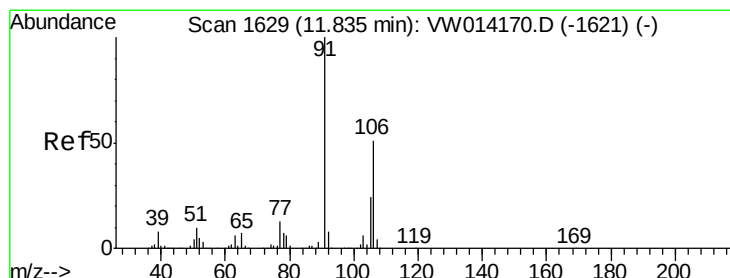
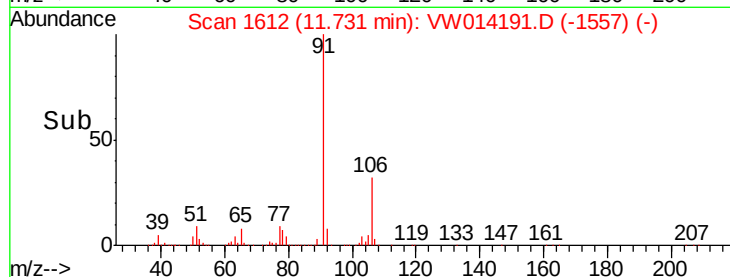
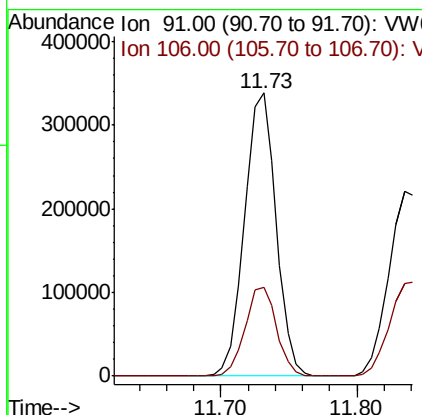
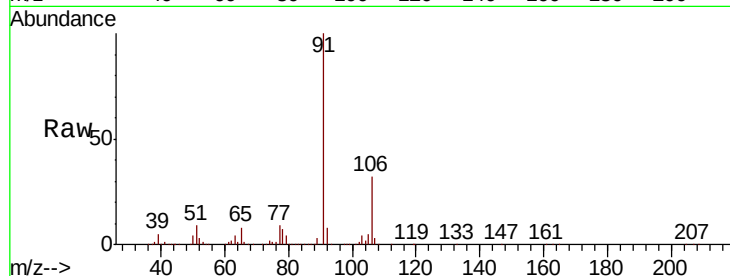




#53
Ethylbenzene
Concen: 23.256 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW014191.D
Acq: 29 Nov 2019 19:30

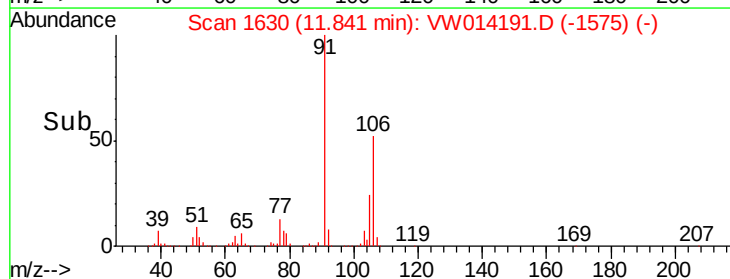
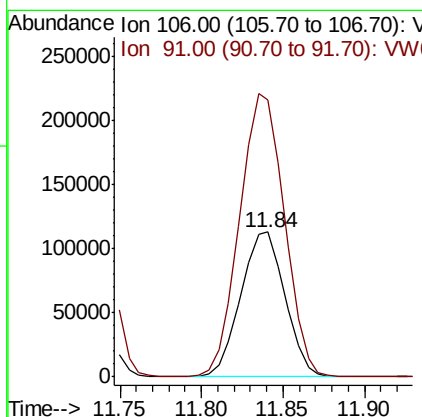
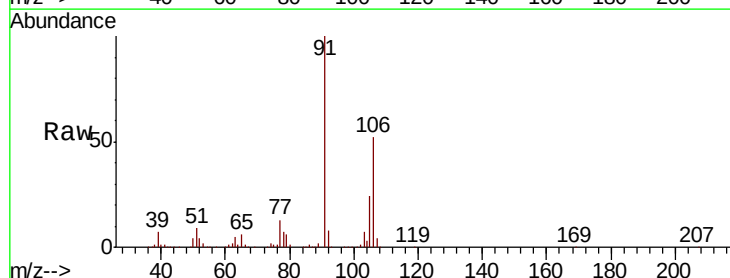
Instrument :
MSVOA_W
ClientSampleId :

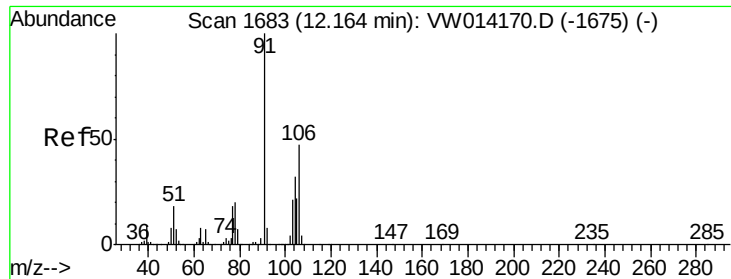
Tot Ion: 91 Resp: 550051
Ion Ratio Lower Upper
91 100
106 31.5 22.3 41.5



#54
m,p-Xylene
Concen: 23.073 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW014191.D
Acq: 29 Nov 2019 19:30

Tgt Ion: 106 Resp: 212079
Ion Ratio Lower Upper
106 100
91 192.0 138.7 257.5

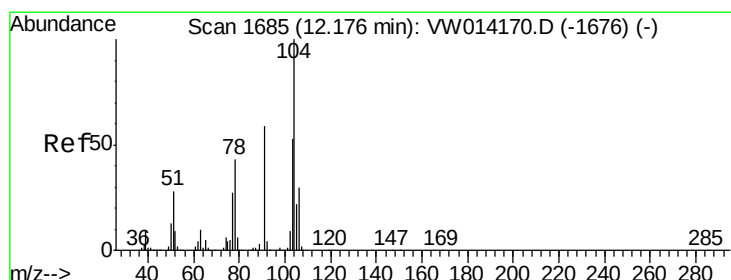
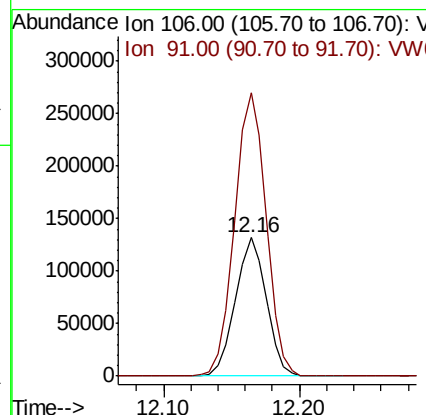
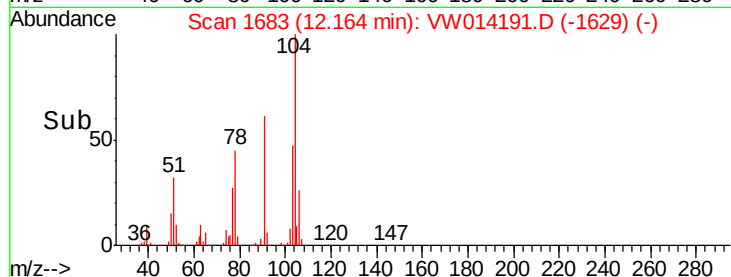
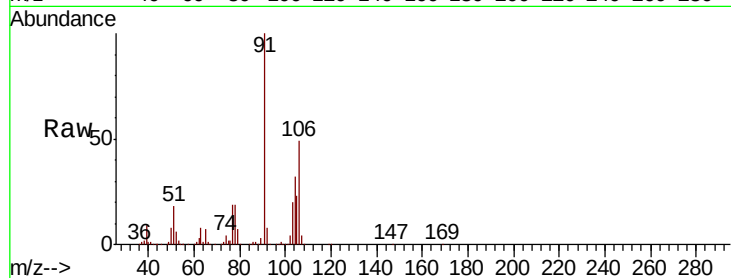




#55
o-xylene
Concen: 24.184 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014191.D
Acq: 29 Nov 2019 19:30

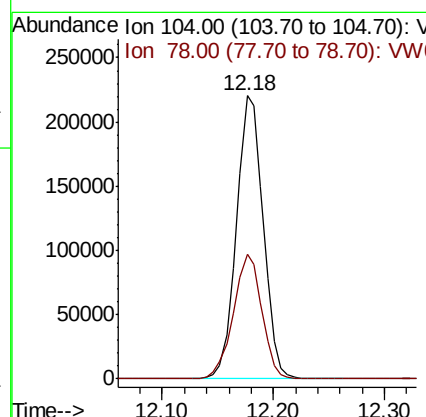
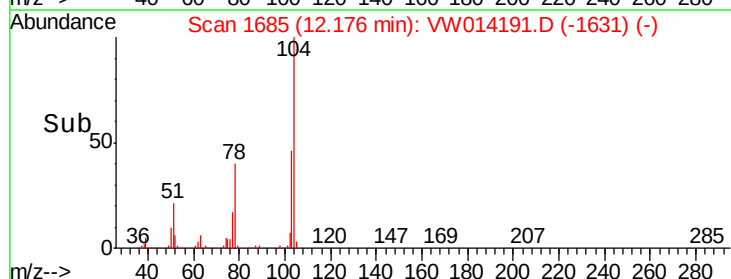
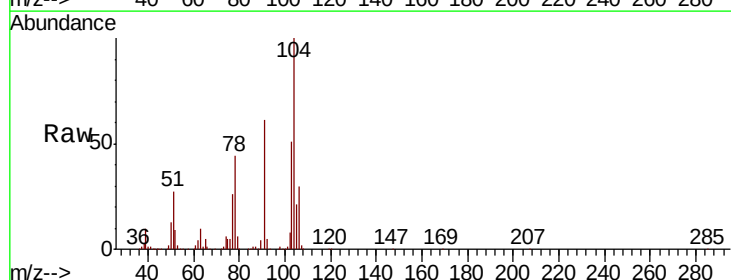
Instrument :
MSVOA_W
ClientSampled :

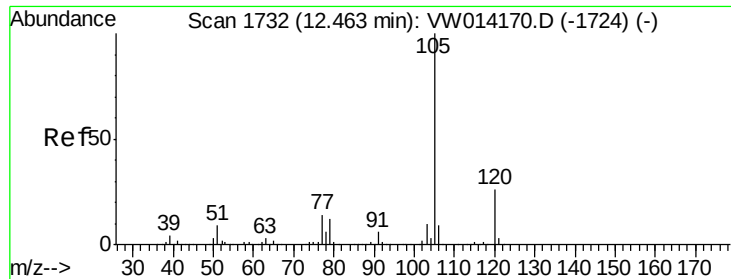
Tot Ion:106 Resp: 208163
Ion Ratio Lower Upper
106 100
91 204.9 148.3 275.5



#56
Styrene
Concen: 25.119 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014191.D
Acq: 29 Nov 2019 19:30

Tgt Ion:104 Resp: 365240
Ion Ratio Lower Upper
104 100
78 44.0 30.6 56.8





#57

Isopropylbenzene

Concen: 22.751 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Instrument :

MSVOA_W

ClientSampleId :

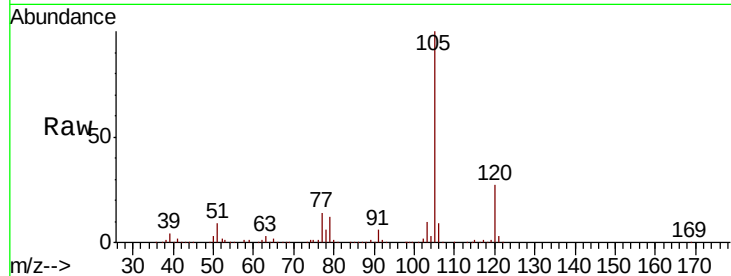
Tot Ion:105 Resp: 538422

Ion Ratio Lower Upper

105 100

120 27.4 21.6 32.4

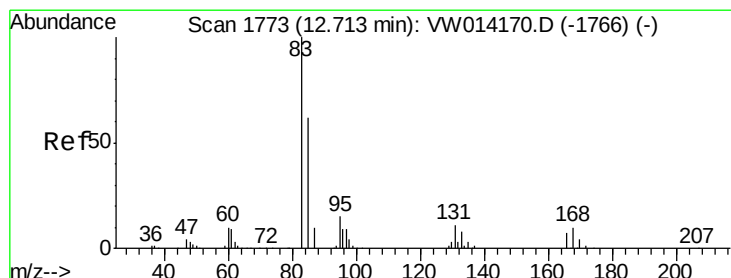
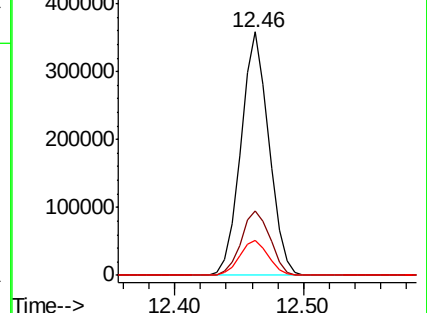
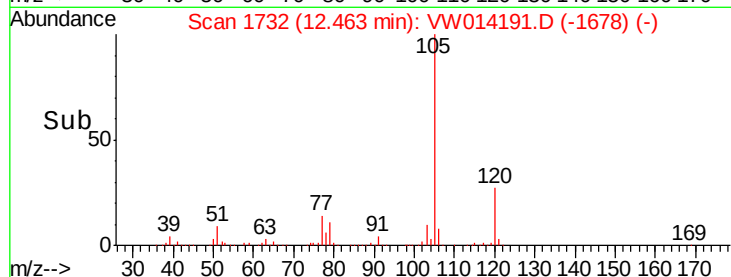
77 14.7 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.633 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

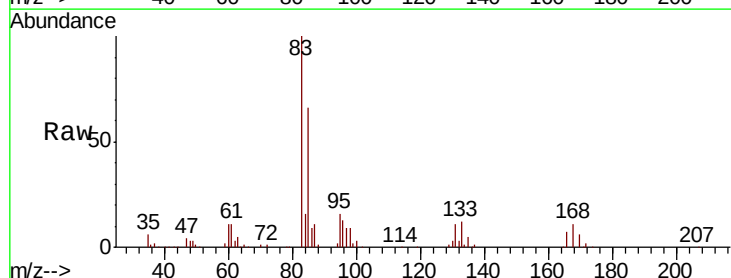
Tgt Ion: 83 Resp: 104644

Ion Ratio Lower Upper

83 100

85 65.8 43.7 81.1

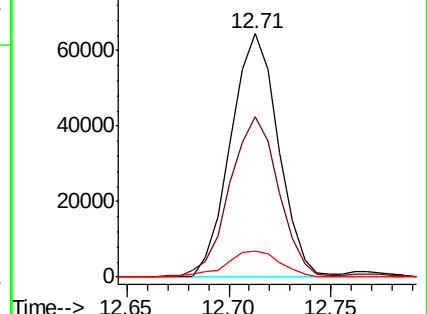
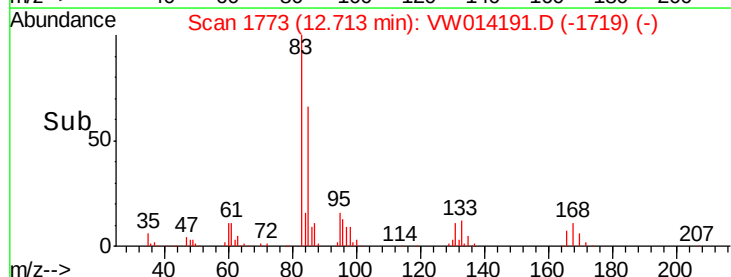
131 10.7 8.2 12.2

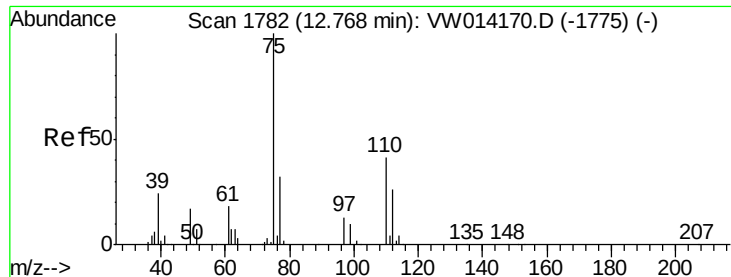


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.835 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Instrument :

MSVOA_W

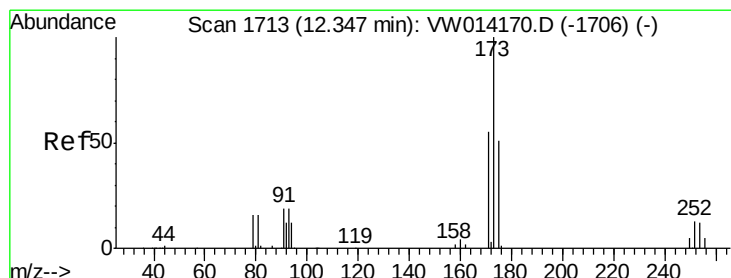
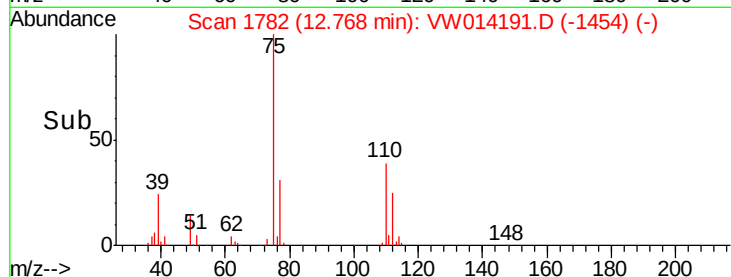
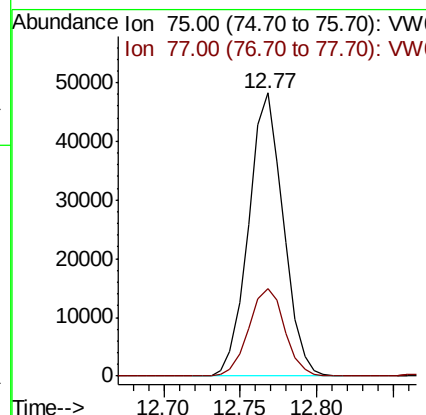
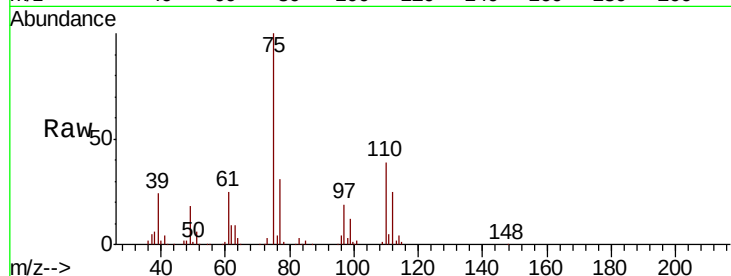
ClientSampled :

Tot Ion: 75 Resp: 76251

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



#62

Bromoform

Concen: 23.351 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

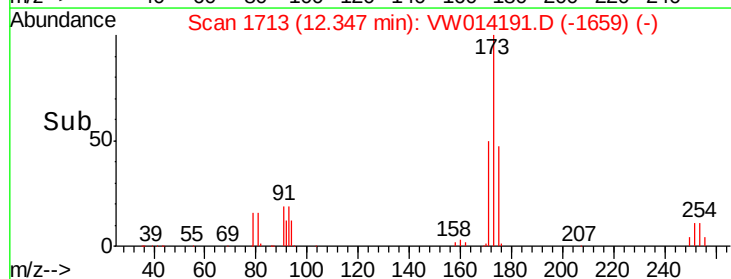
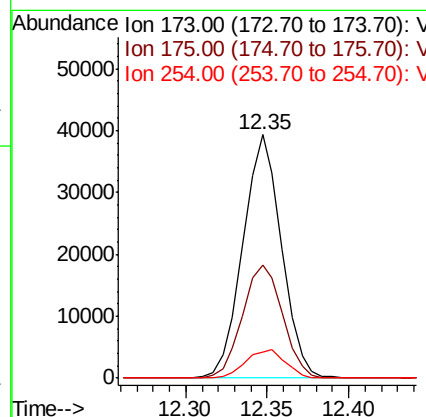
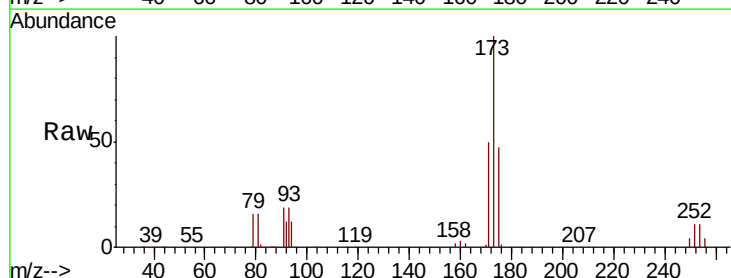
Tgt Ion: 173 Resp: 64793

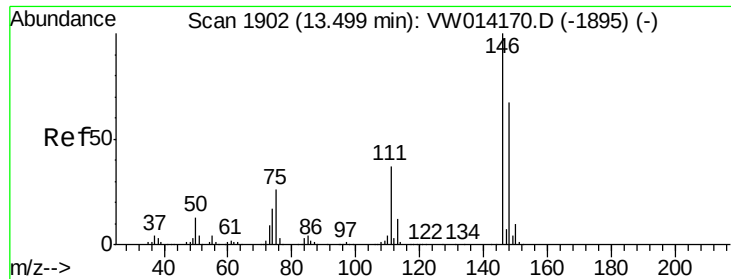
Ion Ratio Lower Upper

173 100

175 48.4 38.8 58.2

254 11.9 9.4 14.0

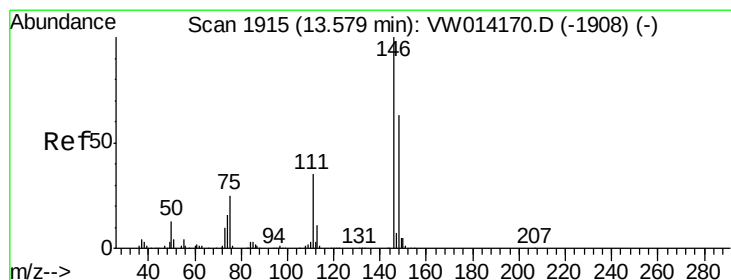
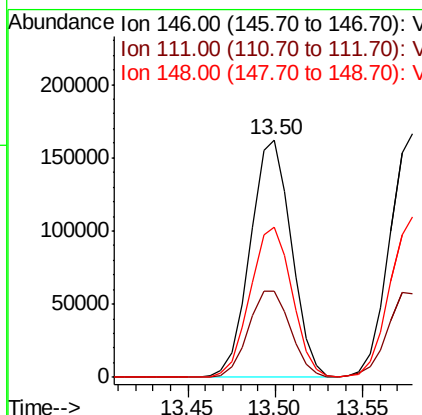
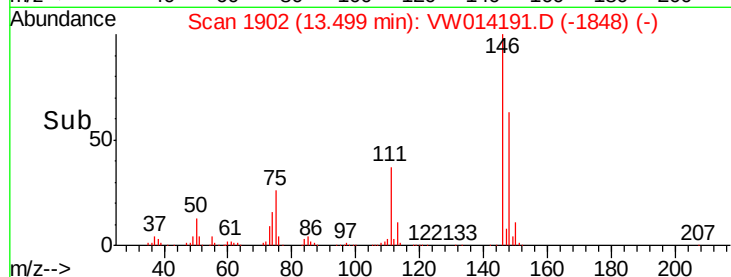
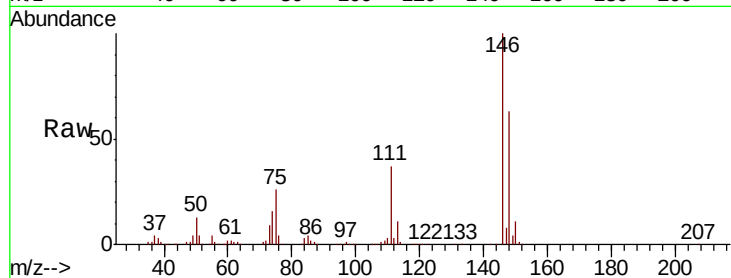




#63
 1,3-Dichlorobenzene
 Concen: 22.318 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014191.D
 Acq: 29 Nov 2019 19:30

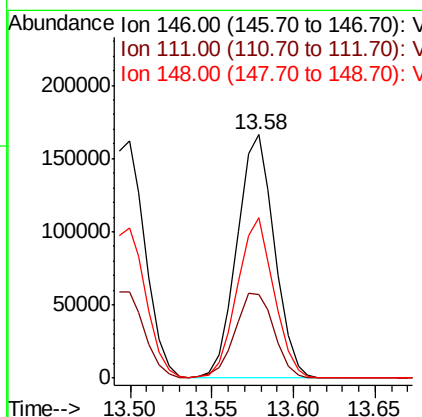
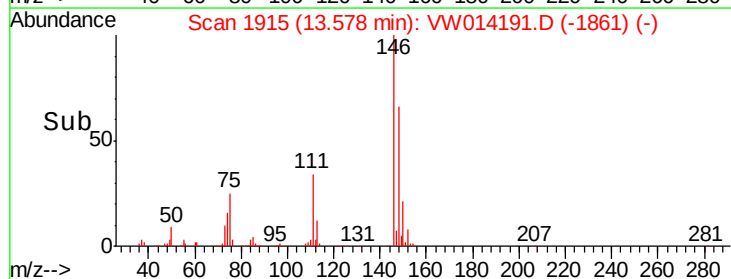
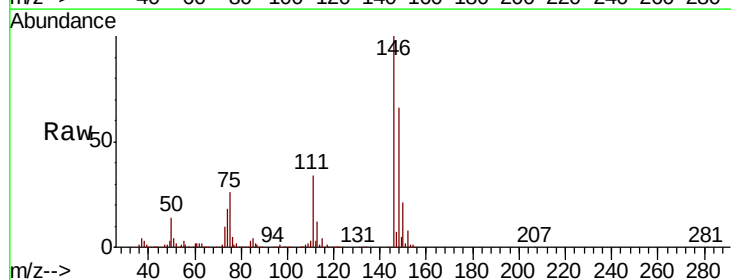
Instrument :
 MSVOA_W
 ClientSampleId :

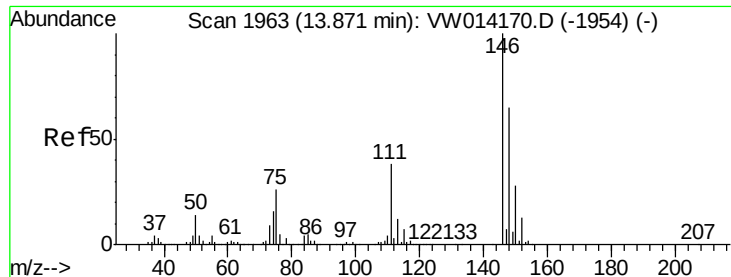
Tot Ion:146 Resp: 265333
 Ion Ratio Lower Upper
 146 100
 111 36.5 26.0 48.2
 148 63.1 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 22.641 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014191.D
 Acq: 29 Nov 2019 19:30

Tgt Ion:146 Resp: 265949
 Ion Ratio Lower Upper
 146 100
 111 34.3 24.9 46.3
 148 65.7 43.9 81.5

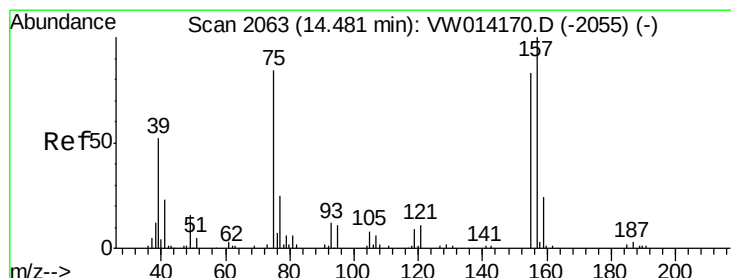
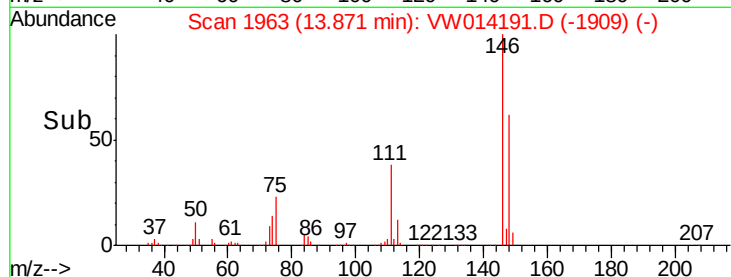
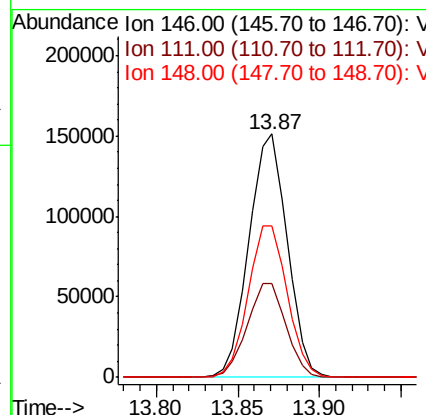
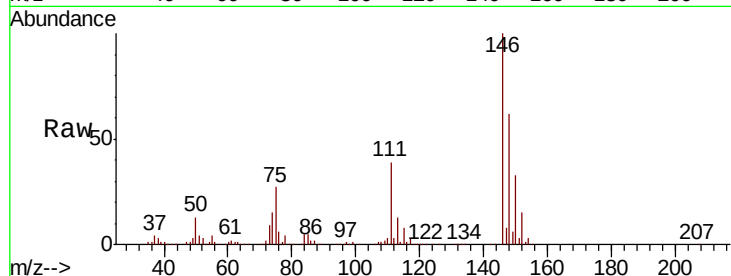




#65
 1,2-Dichlorobenzene
 Concen: 23.548 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW014191.D
 Acq: 29 Nov 2019 19:30

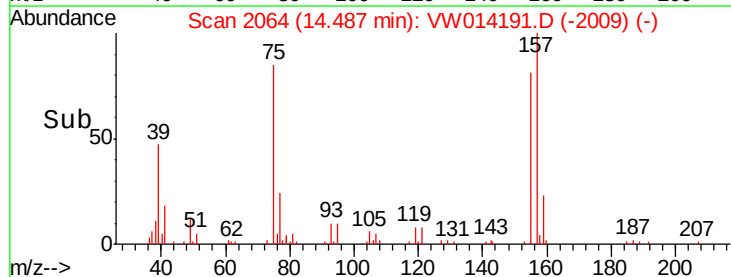
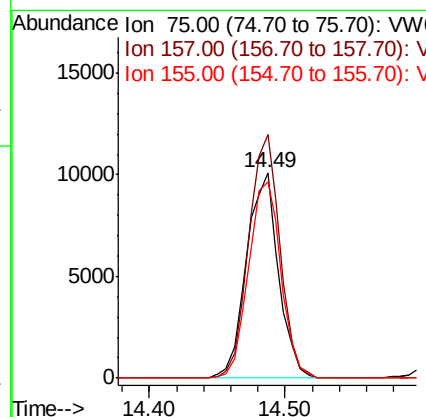
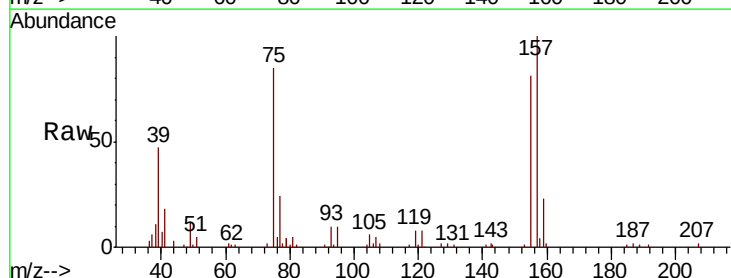
Instrument :
 MSVOA_W
 ClientSampleId :

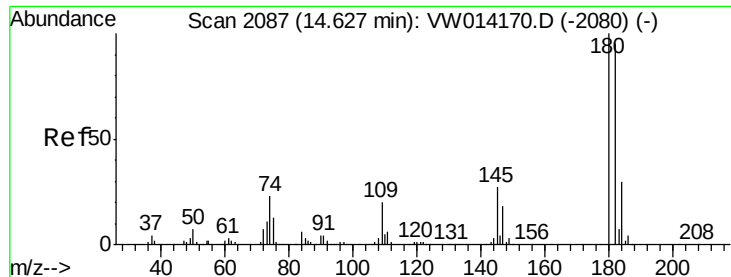
Tot Ion:146 Resp: 247910
 Ion Ratio Lower Upper
 146 100
 111 38.8 30.5 45.7
 148 62.1 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.062 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW014191.D
 Acq: 29 Nov 2019 19:30

Tgt Ion: 75 Resp: 16535
 Ion Ratio Lower Upper
 75 100
 157 118.3 96.9 145.3
 155 95.4 82.9 124.3





#67

1,3,5-Trichlorobenzene

Concen: 22.276 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:180 Resp: 201836

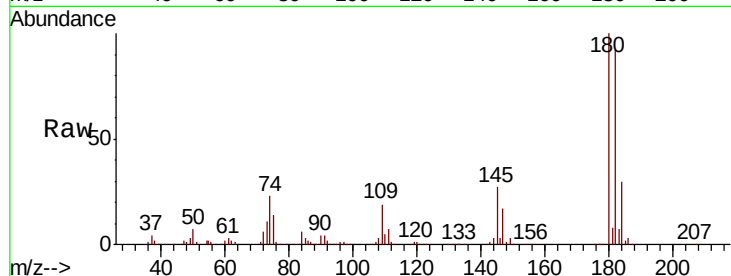
Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.2

184 30.0 24.3 36.5

145 27.9 21.9 32.9

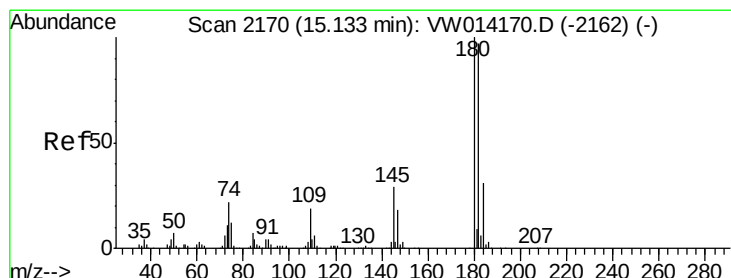
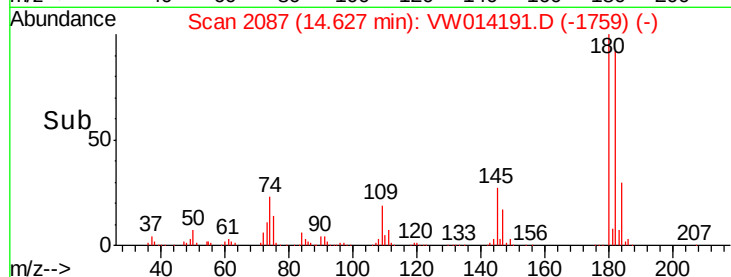
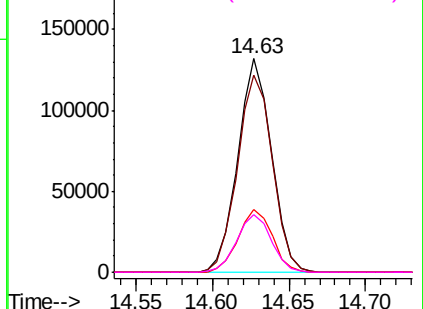


Abundance Ion 180.00 (179.70 to 180.70): V

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: 22.381 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

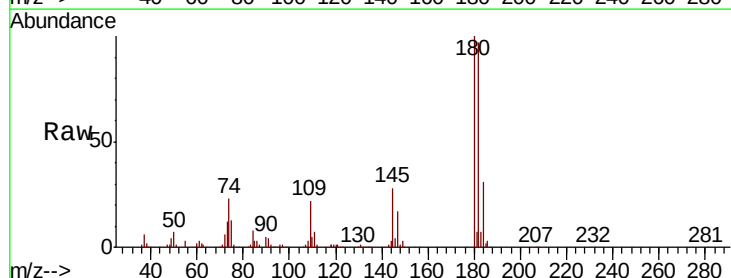
Tgt Ion:180 Resp: 159449

Ion Ratio Lower Upper

180 100

182 95.9 75.8 113.8

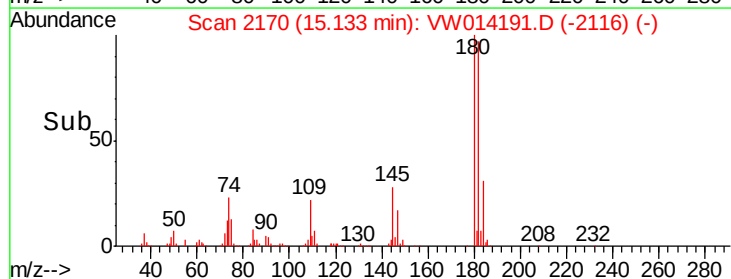
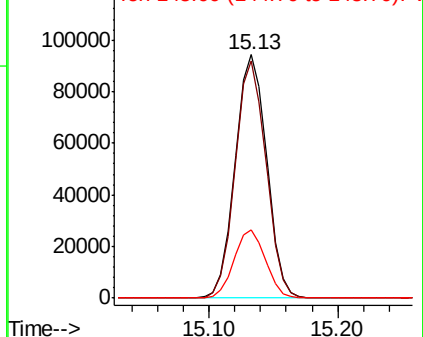
145 28.0 22.4 33.6

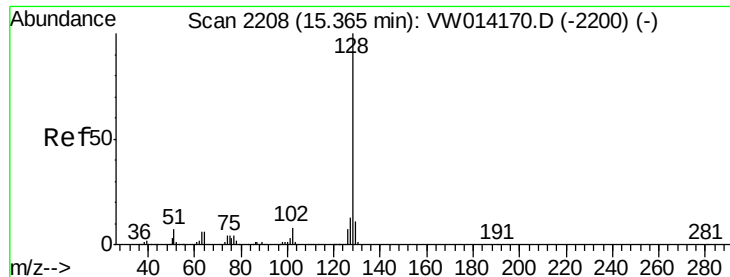


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 22.021 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

Instrument :

MSVOA_W

ClientSampleId :

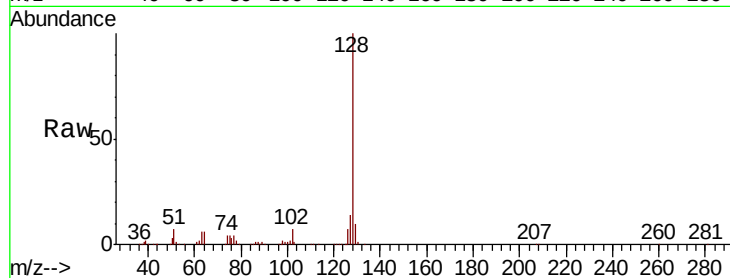
Tot Ion:128 Resp: 278708

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

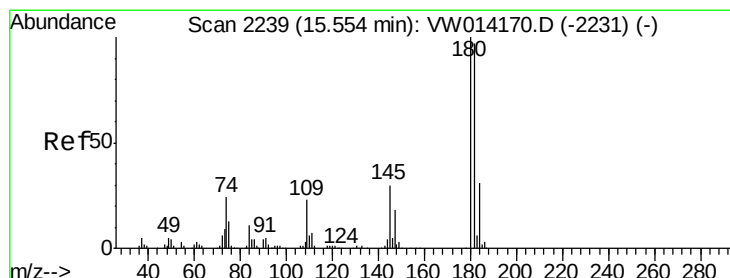
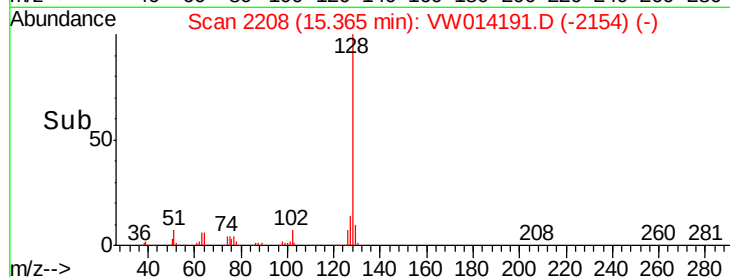
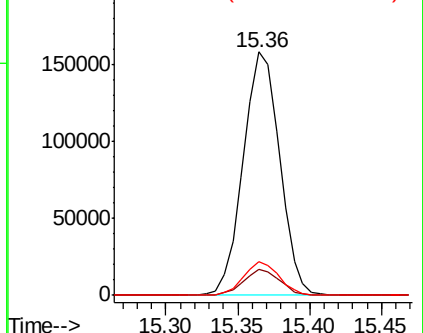
127 13.5 10.4 15.6



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: 23.743 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014191.D

Acq: 29 Nov 2019 19:30

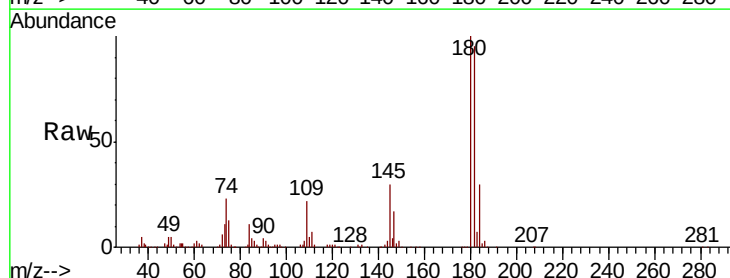
Tgt Ion:180 Resp: 149281

Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.6

145 29.6 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

