

Data File : VW014341.D
Acq On : 13 Dec 2019 10:11
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB08

Quant Time: Dec 14 04:25:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 13 17:15:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1083968	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	949681	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	430326	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	380506	23.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.72%
7) Chloroethane-d5	2.88	69	318448	26.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.36%
10) 1,1-Dichloroethene-d2	4.01	63	743666	25.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.60%
20) 2-Butanone-d5	7.07	46	221284	51.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.46%
24) Chloroform-d	7.64	84	733732	26.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.36%
26) 1,2-Dichloroethane-d4	8.30	65	368518	25.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.88%
29) Benzene-d6	8.27	84	1512960	27.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.72%
33) 1,2-Dichloropropane-d6	9.27	67	463944	27.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.36%
37) Toluene-d8	10.32	98	1355671	26.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.76%
38) trans-1,3-Dichloropropene-	10.57	79	178755	24.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.52%
39) 2-Hexanone-d5	10.92	63	165982	48.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	338807	24.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	428769	26.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	236294	22.920 ug/L	100
3) Chloromethane	2.21	50	249618	24.085 ug/L	95
5) Vinyl chloride	2.35	62	404365	26.350 ug/L	95
6) Bromomethane	2.77	94	235999	24.932 ug/L	99
8) Chloroethane	2.92	64	230050	26.240 ug/L	93
9) Trichlorofluoromethane	3.25	101	233575	30.746 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	372884	26.080 ug/L	94
12) 1,1-Dichloroethene	4.03	96	368661	25.469 ug/L	82
13) Acetone	4.11	43	220955	53.577 ug/L	99
14) Carbon disulfide	4.38	76	1086829	24.481 ug/L	99
15) Methyl Acetate	4.67	43	167955	21.531 ug/L	98
16) Methylene chloride	4.91	84	384909	23.164 ug/L	94
17) Methyl tert-butyl Ether	5.42	73	434071	22.740 ug/L #	88
18) trans-1,2-Dichloroethene	5.42	96	383842	24.762 ug/L	96
19) 1,1-Dichloroethane	6.21	63	702697	25.231 ug/L	98
21) 2-Butanone	7.17	43	262681	47.443 ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	400032	24.252 ug/L	93

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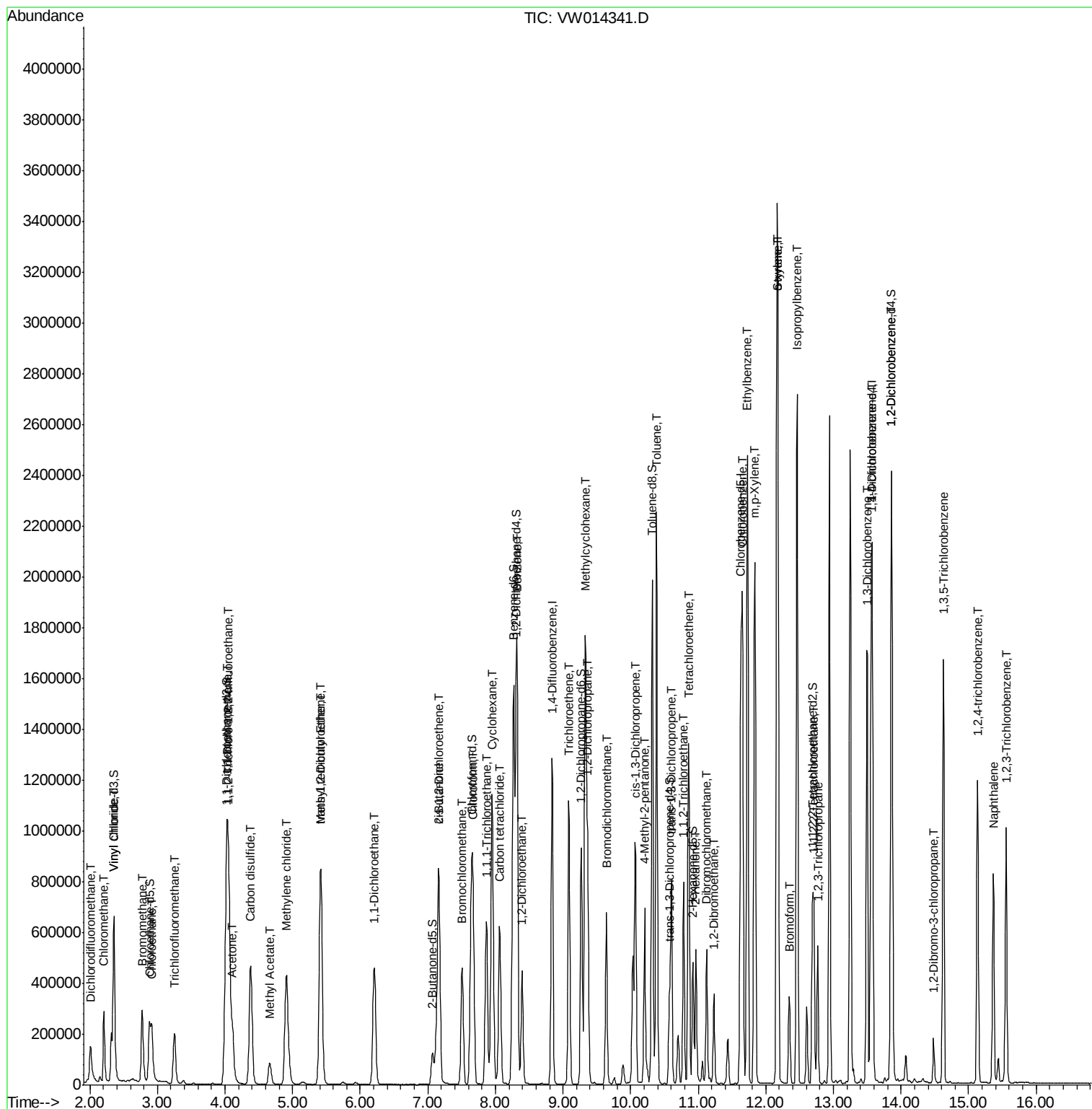
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	168528	22.212	ug/L	84
25) Chloroform	7.67	83	662280	24.471	ug/L	99
27) 1,2-Dichloroethane	8.40	62	406696	22.948	ug/L	97
30) Cyclohexane	7.95	56	681929	28.768	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	527640	27.665	ug/L	97
32) Carbon tetrachloride	8.06	117	486929	26.907	ug/L	100
34) Benzene	8.32	78	1576702	26.221	ug/L	100
35) Trichloroethene	9.09	95	398177	25.880	ug/L	95
36) Methylcyclohexane	9.33	83	720708	27.877	ug/L	96
40) 1,2-Dichloropropane	9.37	63	383342	24.815	ug/L	99
41) Bromodichloromethane	9.64	83	455384	24.256	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	576341	24.912	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	463758	45.526	ug/L	98
44) Toluene	10.38	91	1640201	26.018	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	448291	23.938	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	262283	22.657	ug/L	98
47) Tetrachloroethene	10.86	164	329134	25.667	ug/L	98
49) 2-Hexanone	10.96	43	335702	46.289	ug/L	98
50) Dibromochloromethane	11.12	129	295753	22.764	ug/L	98
51) 1,2-Dibromoethane	11.23	107	241894	22.061	ug/L #	97
52) Chlorobenzene	11.65	112	975039	23.931	ug/L	93
53) Ethylbenzene	11.73	91	1783265	26.069	ug/L	98
54) m,p-Xylene	11.83	106	675867	25.685	ug/L	99
55) o-xylene	12.16	106	635155	25.449	ug/L	99
56) Styrene	12.18	104	1080511	25.306	ug/L	98
57) Isopropylbenzene	12.46	105	1737348	26.813	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	305616	21.271	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	228568	21.409	ug/L	99
62) Bromoform	12.35	173	165503	22.660	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	740079	25.587	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	731048	24.877	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	661801	24.605	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	44553	21.472	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	537413	25.825	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	403540	24.875	ug/L	99
69) Naphthalene	15.36	128	699115	22.916	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	360015	23.665	ug/L	99

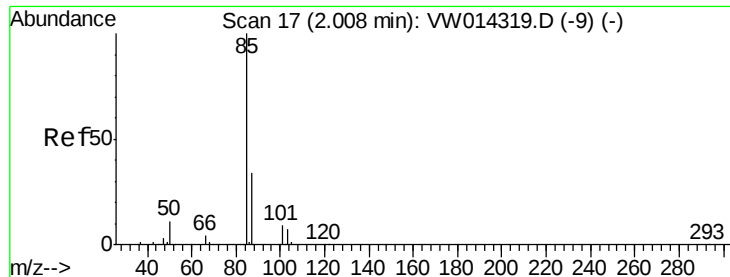
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.920 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

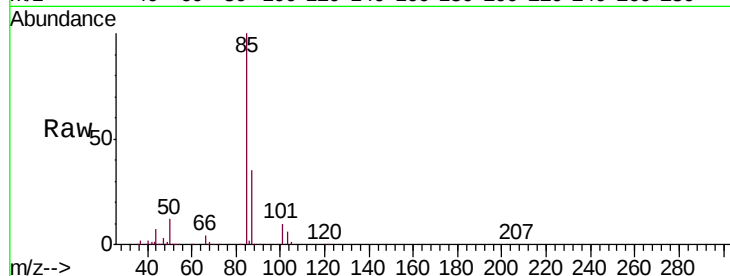
BFB08

Tgt Ion: 85 Resp: 236294

Ion Ratio Lower Upper

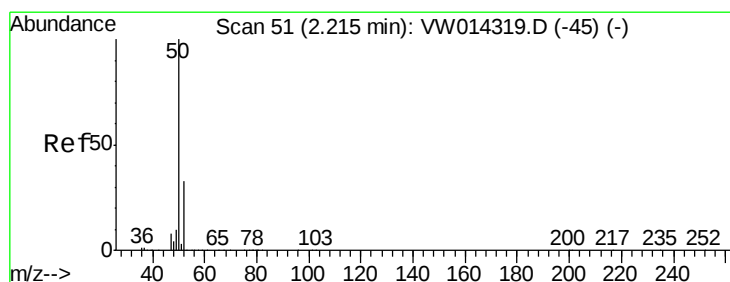
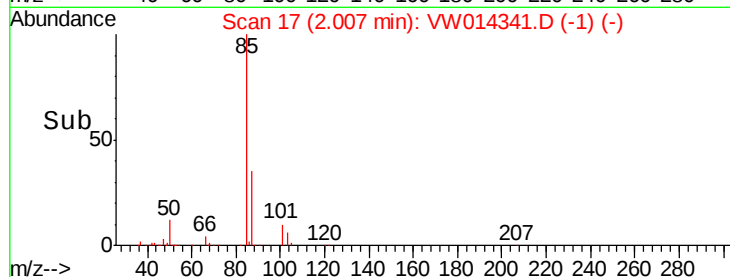
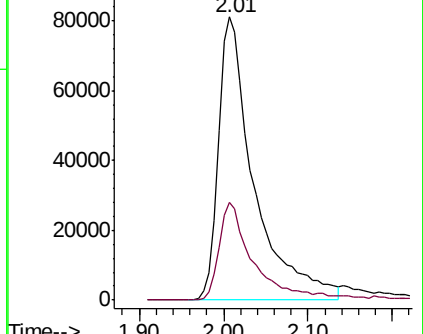
85 100

87 31.5 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: 24.085 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014341.D

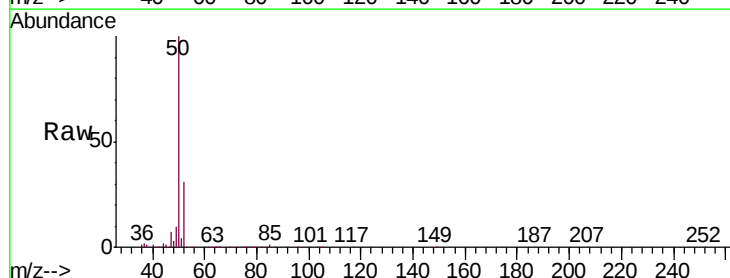
Acq: 13 Dec 2019 10:11

Tgt Ion: 50 Resp: 249618

Ion Ratio Lower Upper

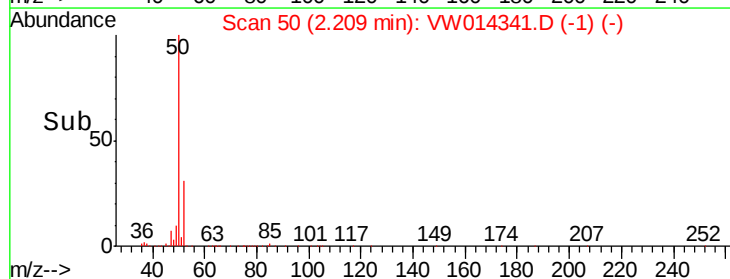
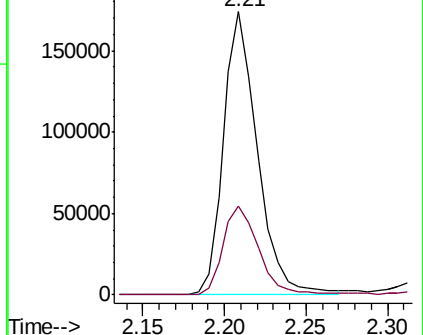
50 100

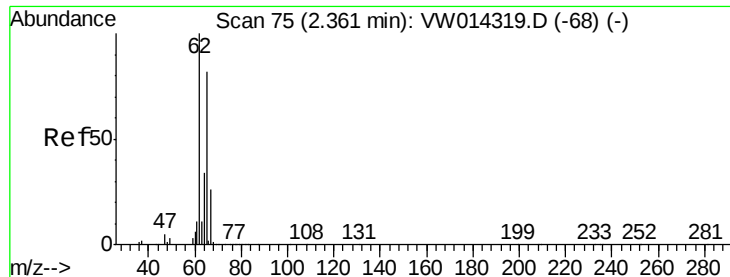
52 31.4 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.350 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

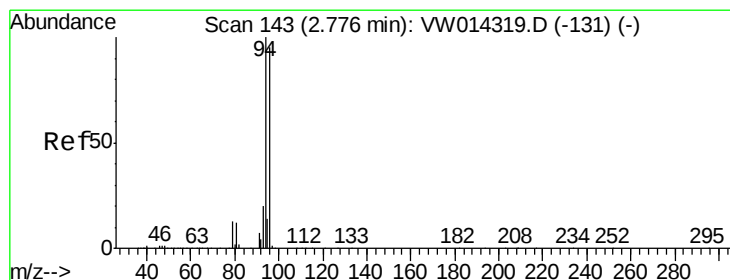
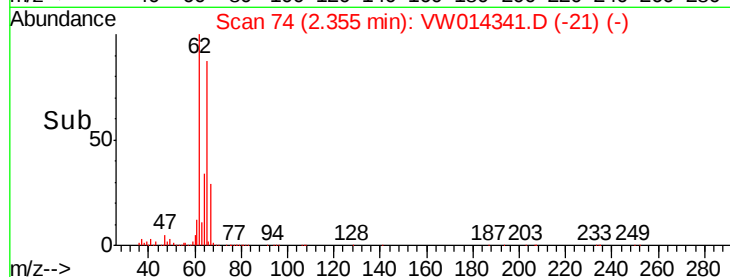
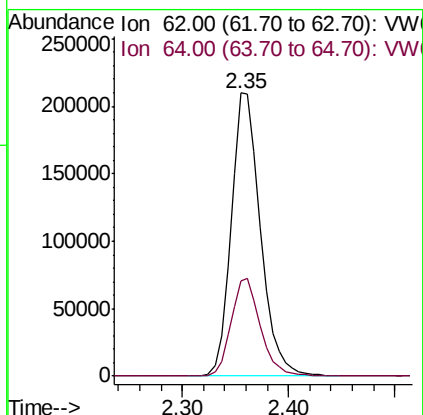
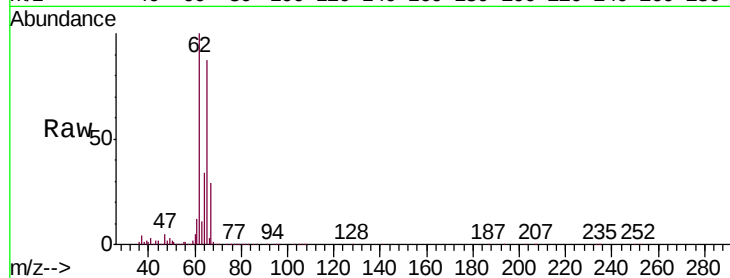
BFB08

Tgt Ion: 62 Resp: 404365

Ion Ratio Lower Upper

62 100

64 33.8 21.8 40.4



#6

Bromomethane

Concen: 24.932 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW014341.D

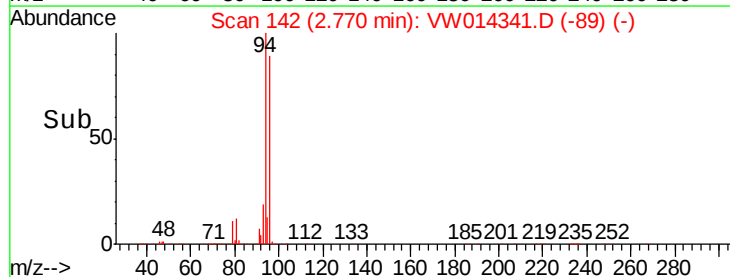
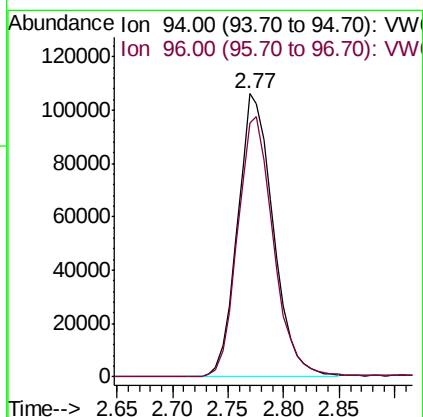
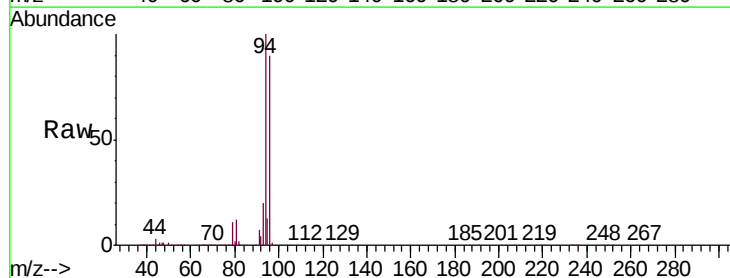
Acq: 13 Dec 2019 10:11

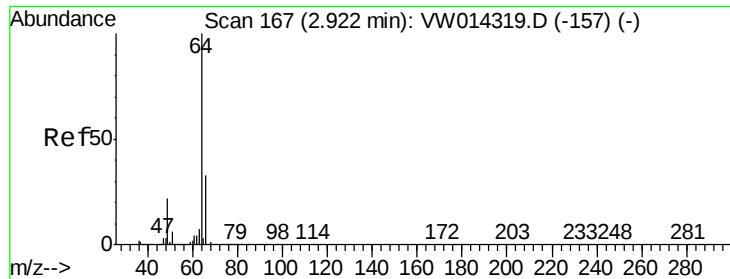
Tgt Ion: 94 Resp: 235999

Ion Ratio Lower Upper

94 100

96 92.7 9.4 178.8

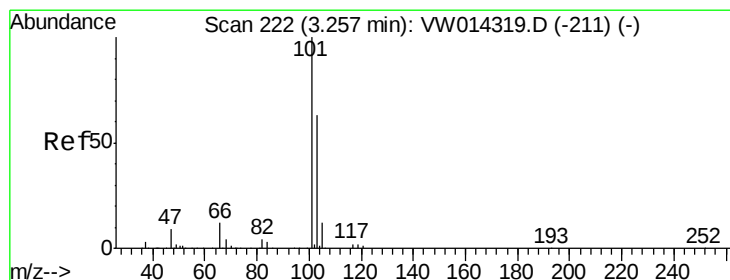
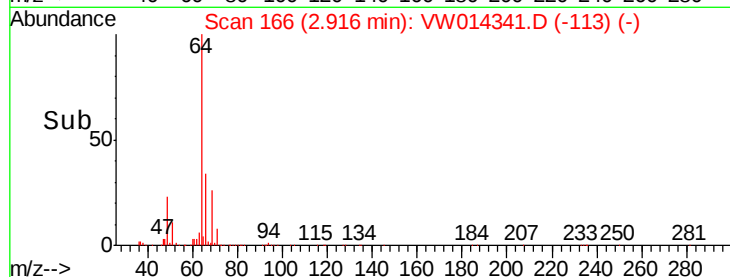
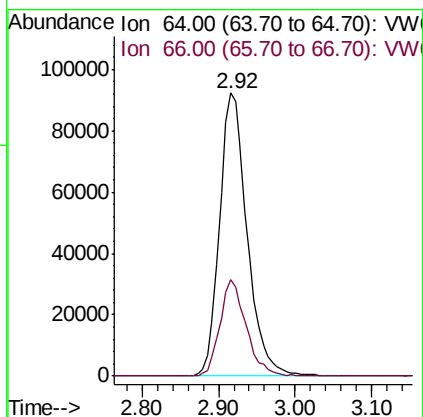
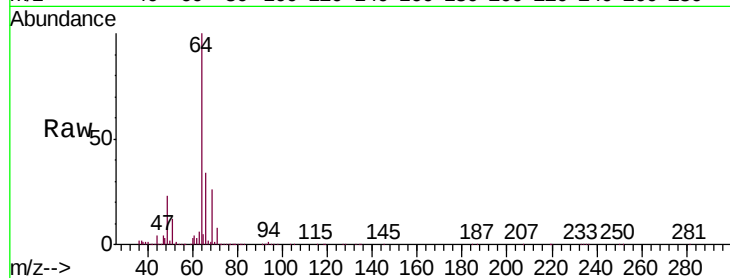




#8
Chloroethane
Concen: 26.240 ug/L
RT: 2.92 min Scan# 166
Delta R.T. -0.01 min
Lab File: VW014341.D
Acq: 13 Dec 2019 10:11

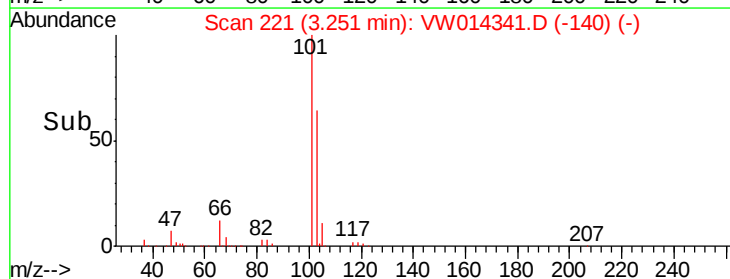
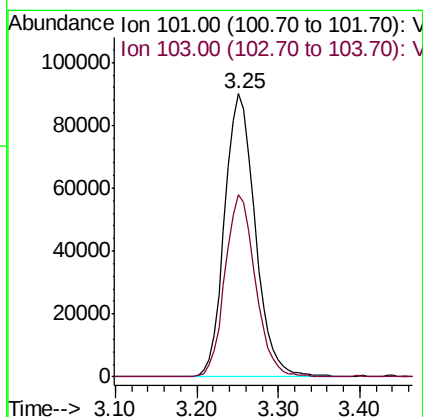
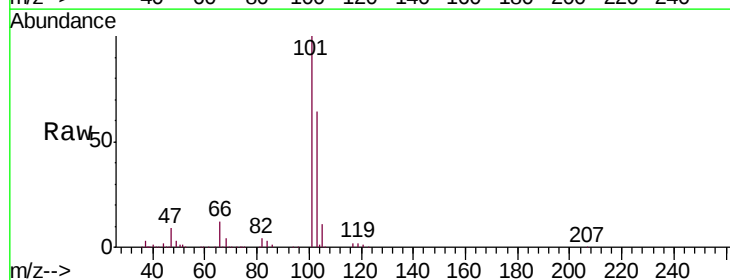
Instrument :
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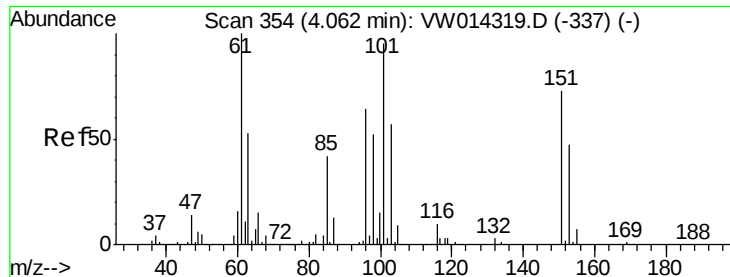
Tgt Ion: 64 Resp: 230050
Ion Ratio Lower Upper
64 100
66 33.9 21.2 39.4



#9
Trichlorofluoromethane
Concen: 30.746 ug/L
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW014341.D
Acq: 13 Dec 2019 10:11

Tgt Ion: 101 Resp: 233575
Ion Ratio Lower Upper
101 100
103 63.9 45.4 84.2





#11

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

Concen: 26.080 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

BFB08

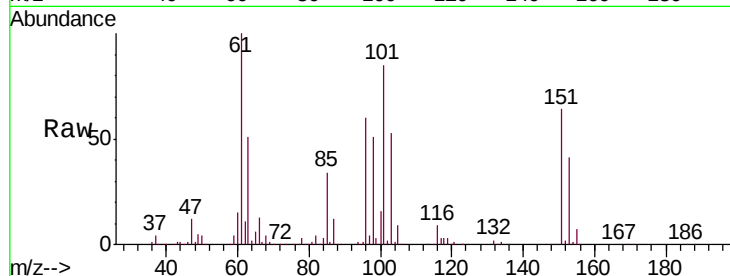
Tgt Ion: 101 Resp: 372884

Ion Ratio Lower Upper

101 100

85 41.4 31.4 47.2

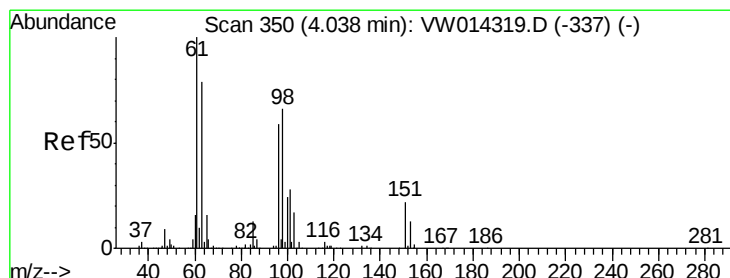
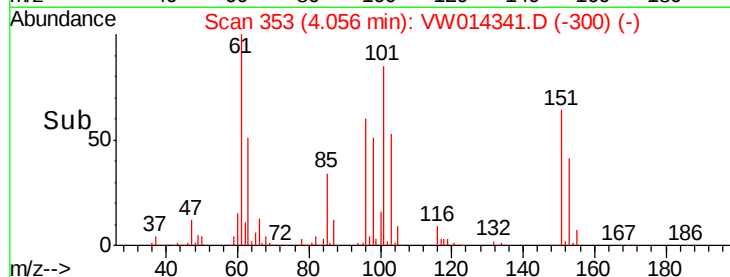
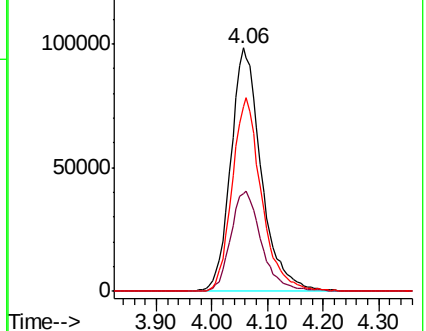
151 76.9 66.9 100.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.469 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

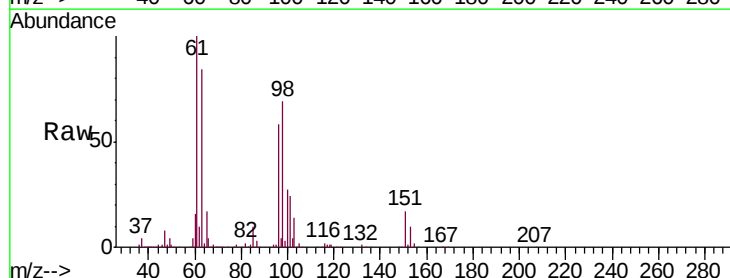
Tgt Ion: 96 Resp: 368661

Ion Ratio Lower Upper

96 100

61 171.7 109.8 204.0

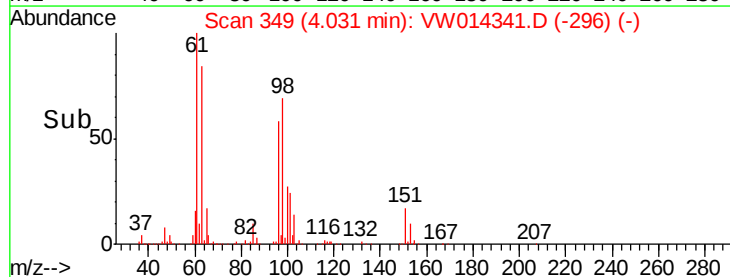
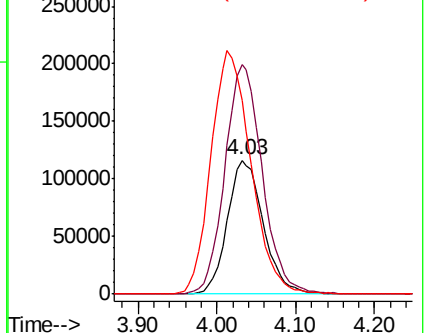
63 144.4 80.7 149.9

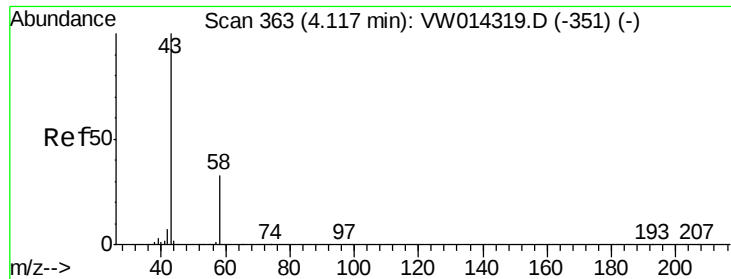


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

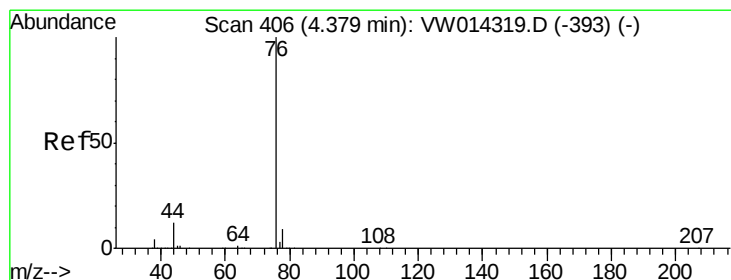
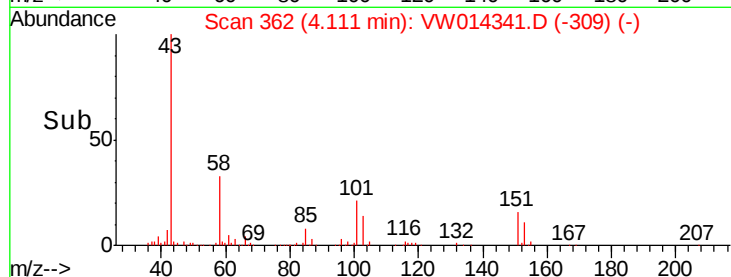
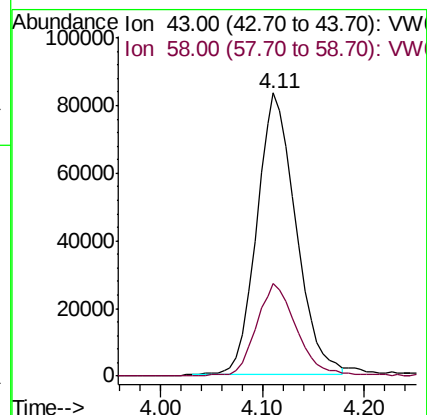
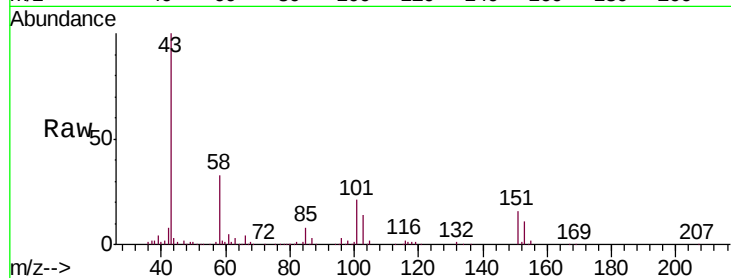




#13
Acetone
Concen: 53.577 ug/L
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW014341.D
Acq: 13 Dec 2019 10:11

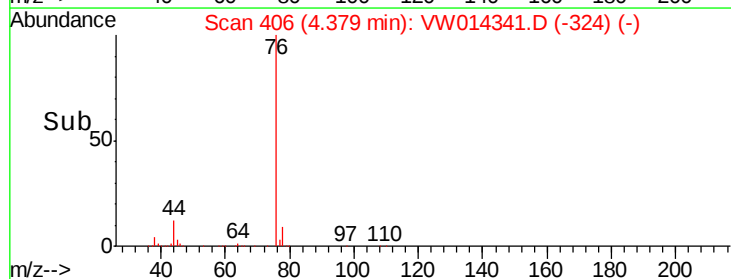
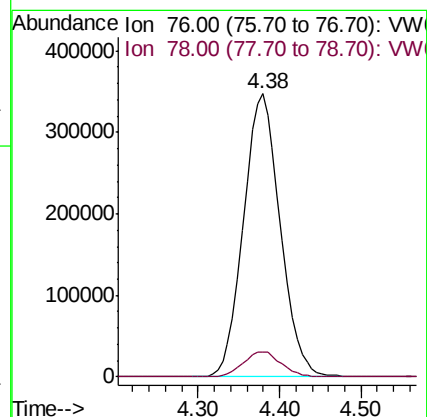
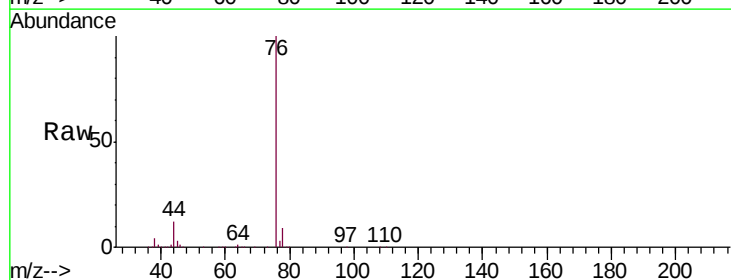
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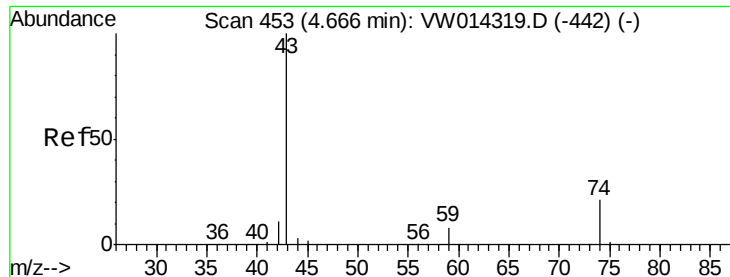
Tgt Ion: 43 Resp: 220955
Ion Ratio Lower Upper
43 100
58 33.4 0.0 65.4



#14
Carbon disulfide
Concen: 24.481 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW014341.D
Acq: 13 Dec 2019 10:11

Tgt Ion: 76 Resp: 1086829
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8





#15

Methyl Acetate

Concen: 21.531 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

Instrument :

MSVOA_W

ClientSampled :

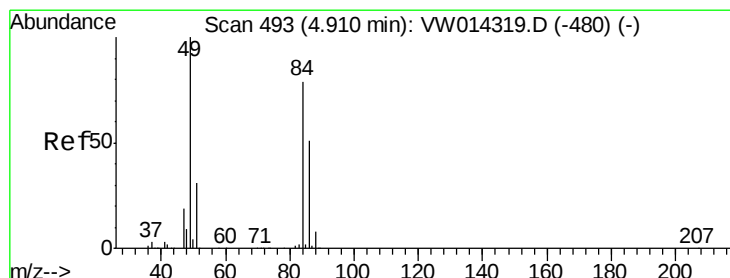
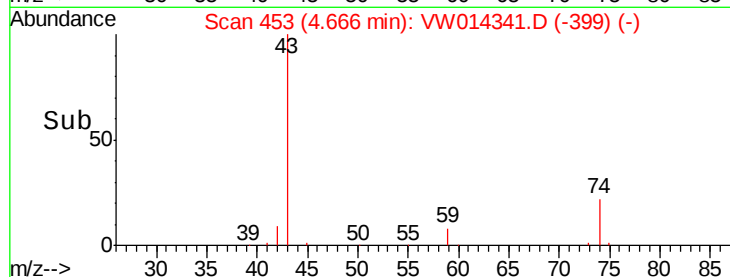
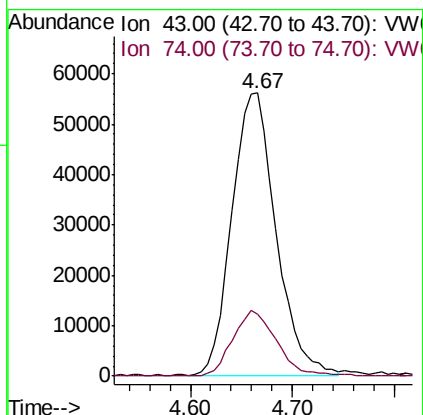
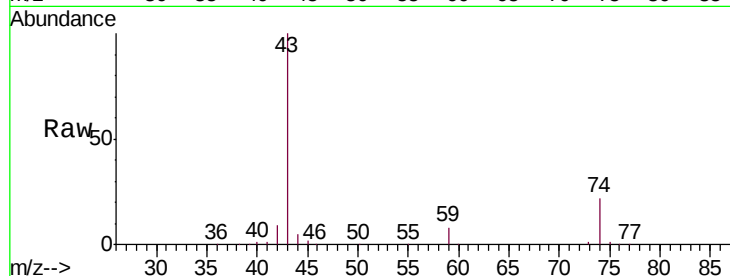
BFB08

Tgt Ion: 43 Resp: 167955

Ion Ratio Lower Upper

43 100

74 23.0 19.3 28.9



#16

Methylene chloride

Concen: 23.164 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

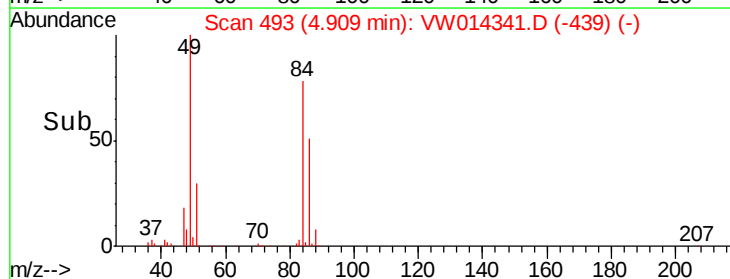
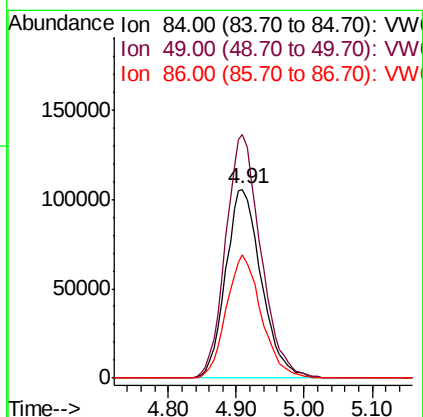
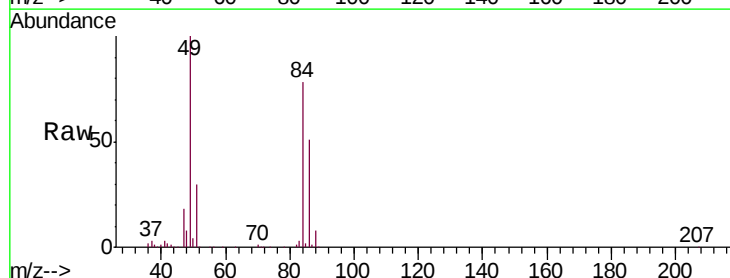
Tgt Ion: 84 Resp: 384909

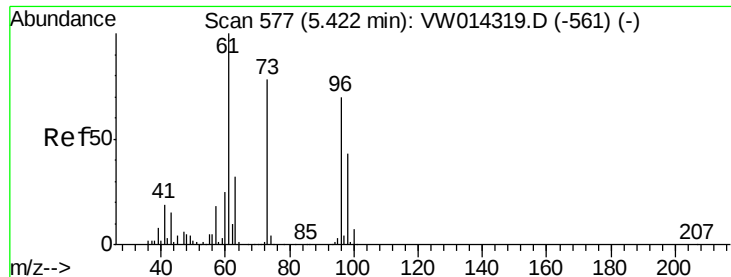
Ion Ratio Lower Upper

84 100

49 128.9 84.2 156.4

86 65.3 43.7 81.1

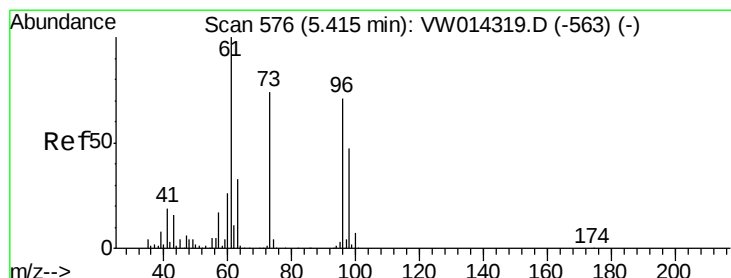
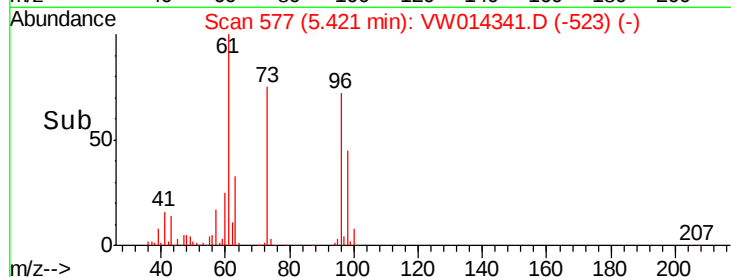
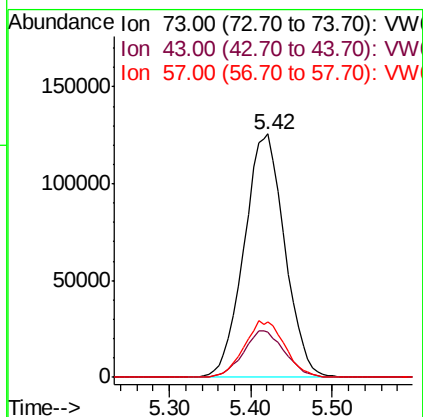
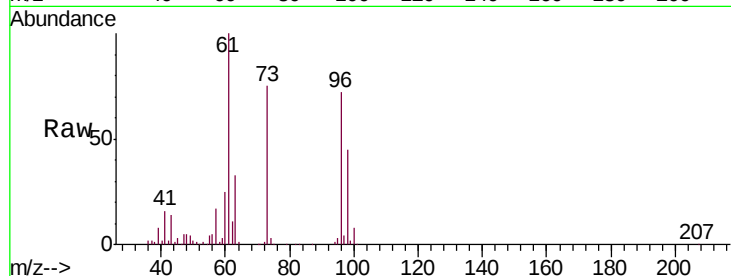




#17
Methyl tert-butyl Ether
Concen: 22.740 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014341.D
Acq: 13 Dec 2019 10:11

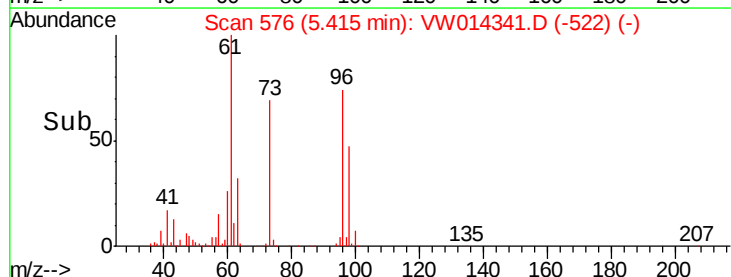
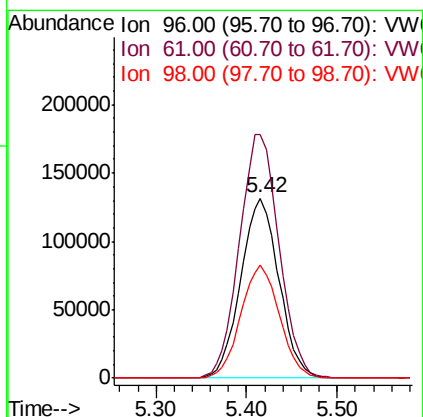
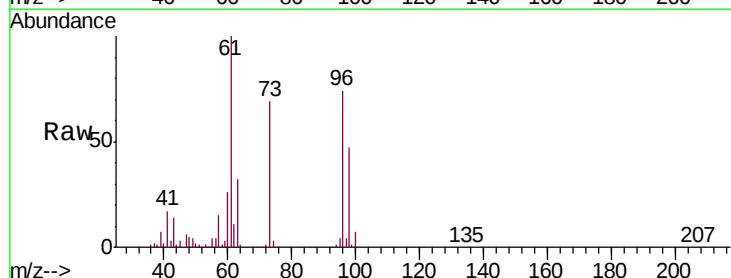
Instrument :
MSVOA_W
ClientSampleId :
BFB08

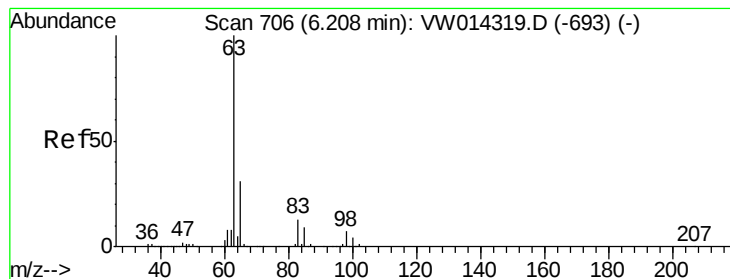
Tgt Ion: 73 Resp: 434071
Ion Ratio Lower Upper
73 100
43 19.4 15.5 23.3
57 12.2 18.2 27.4#



#18
trans-1,2-Dichloroethene
Concen: 24.762 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW014341.D
Acq: 13 Dec 2019 10:11

Tgt Ion: 96 Resp: 383842
Ion Ratio Lower Upper
96 100
61 135.5 90.6 168.2
98 63.1 42.9 79.7





#19

1,1-Dichloroethane

Concen: 25.231 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

BFB08

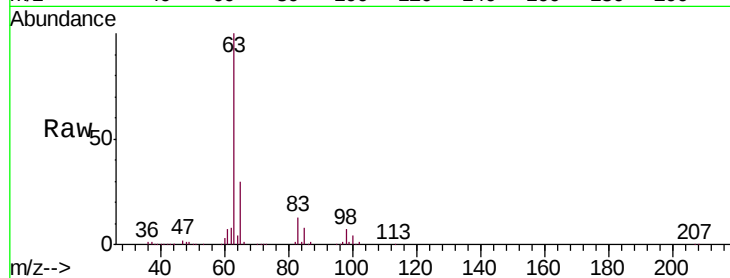
Tgt Ion: 63 Resp: 702697

Ion Ratio Lower Upper

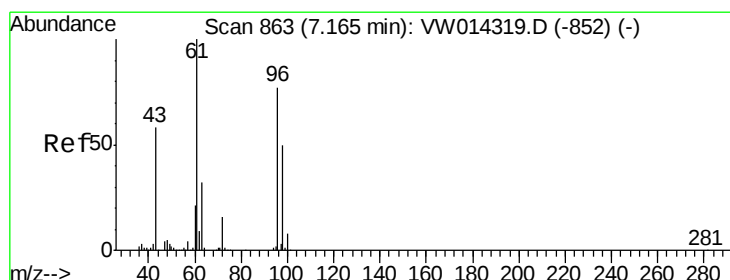
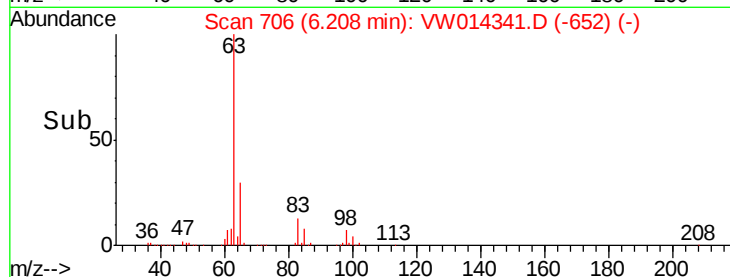
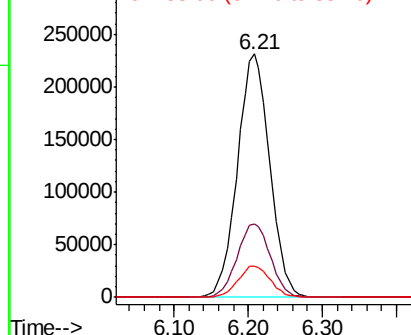
63 100

65 30.2 22.1 41.1

83 12.6 9.0 16.6



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



#21

2-Butanone

Concen: 47.443 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014341.D

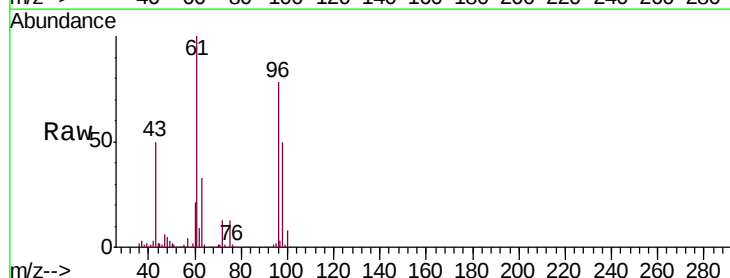
Acq: 13 Dec 2019 10:11

Tgt Ion: 43 Resp: 262681

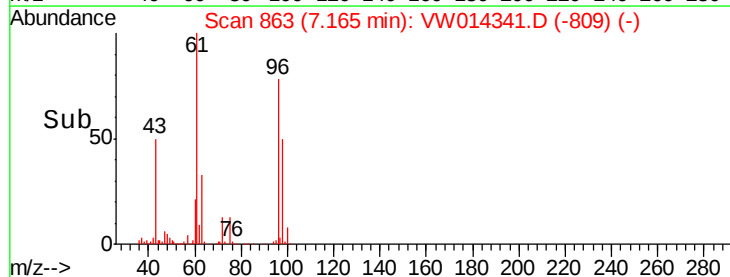
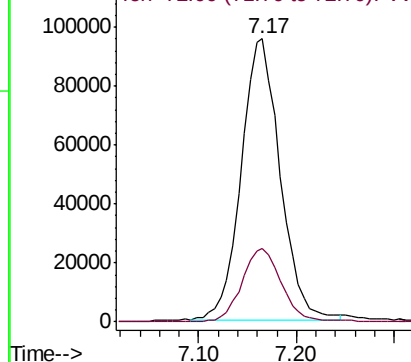
Ion Ratio Lower Upper

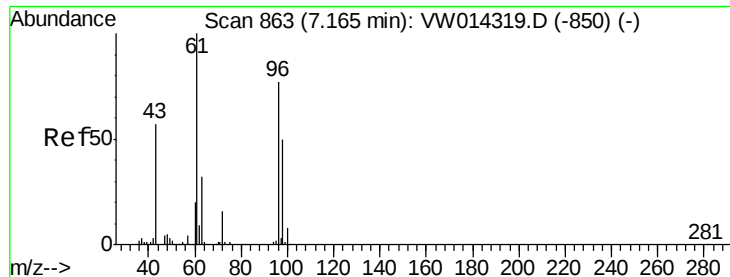
43 100

72 26.3 14.1 42.2



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



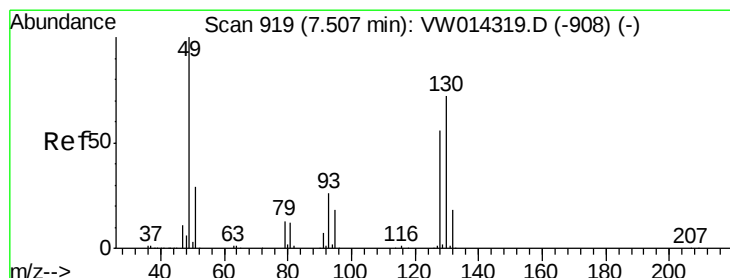
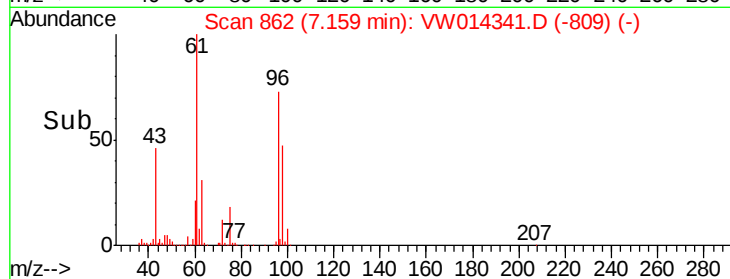
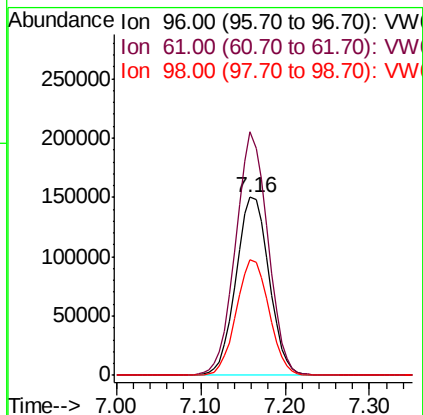
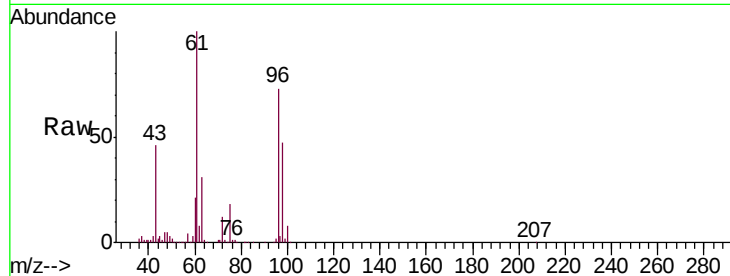


#22

cis-1,2-Dichloroethene
Concen: 24.252 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014341.D
Acq: 13 Dec 2019 10:11

Instrument :
MSVOA_W
ClientSampled :
BFB08

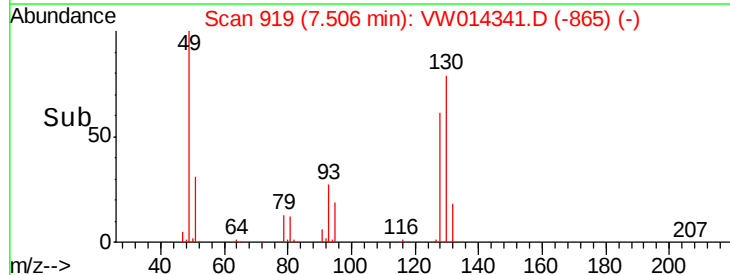
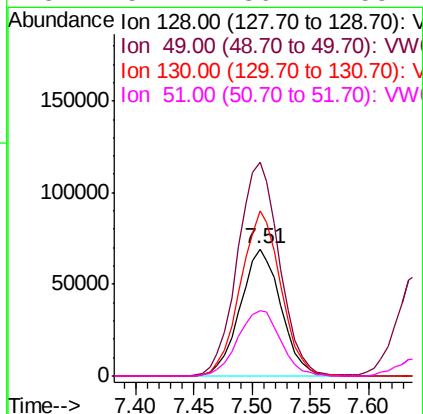
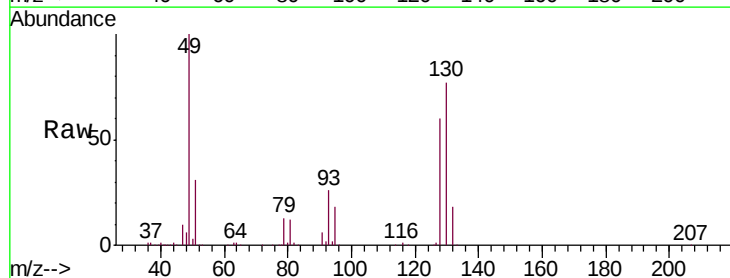
Tgt Ion: 96 Resp: 400032
Ion Ratio Lower Upper
96 100
61 136.9 86.9 161.5
98 64.9 45.5 84.5

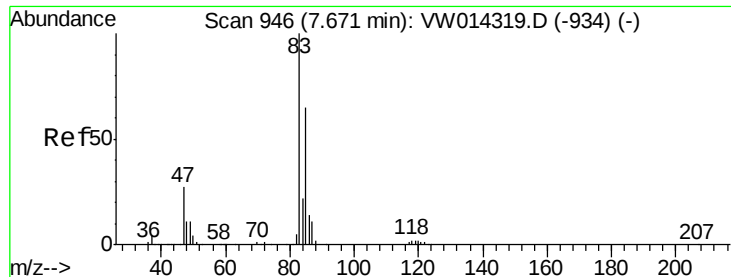


#23

Bromochloromethane
Concen: 22.212 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014341.D
Acq: 13 Dec 2019 10:11

Tgt Ion: 128 Resp: 168528
Ion Ratio Lower Upper
128 100
49 167.8 95.1 176.5
130 129.7 85.0 158.0
51 51.2 36.7 55.1





#25

Chloroform

Concen: 24.471 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

Instrument :

MSVOA_W

ClientSampled :

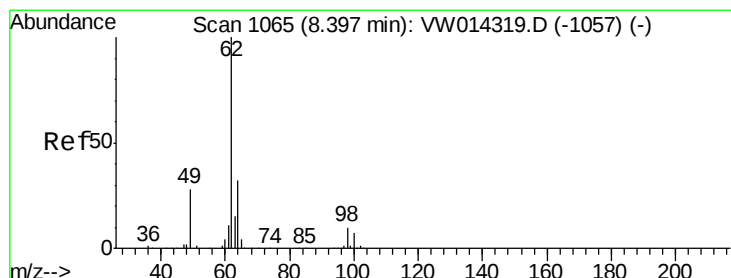
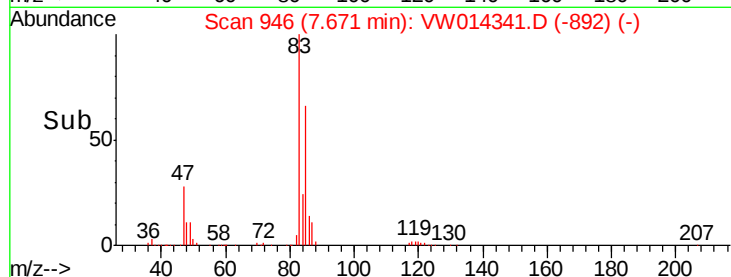
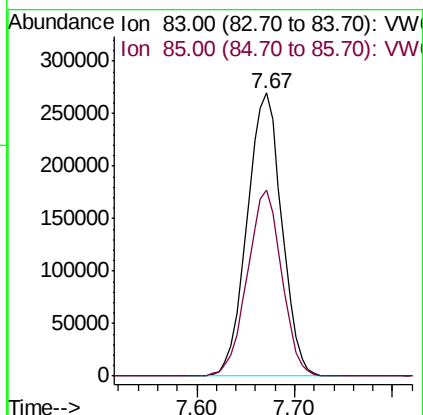
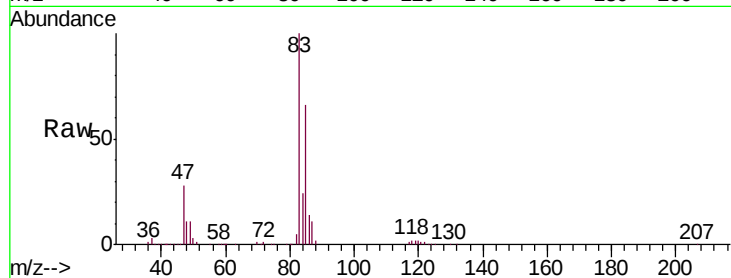
BFB08

Tgt Ion: 83 Resp: 662280

Ion Ratio Lower Upper

83 100

85 65.4 46.1 85.7



#27

1,2-Dichloroethane

Concen: 22.948 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014341.D

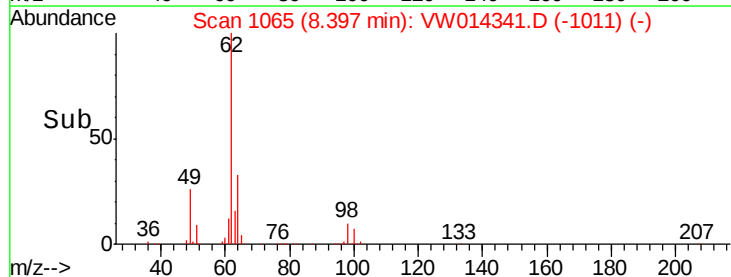
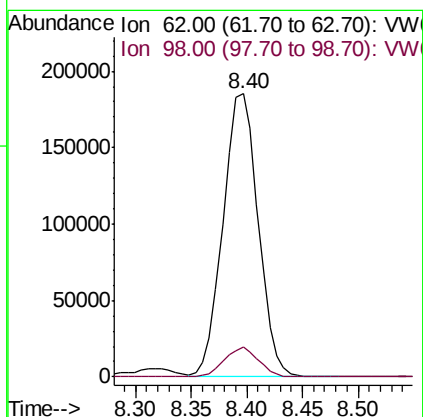
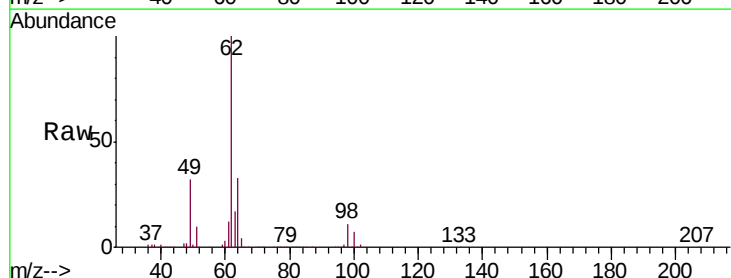
Acq: 13 Dec 2019 10:11

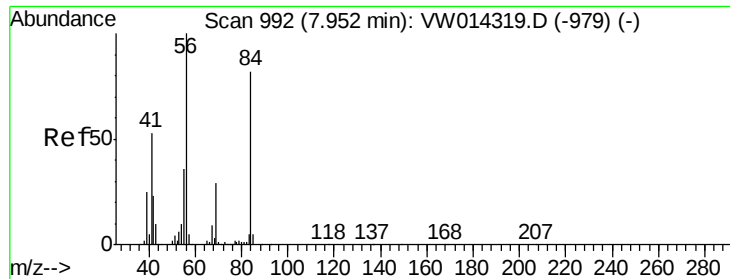
Tgt Ion: 62 Resp: 406696

Ion Ratio Lower Upper

62 100

98 10.5 9.3 13.9

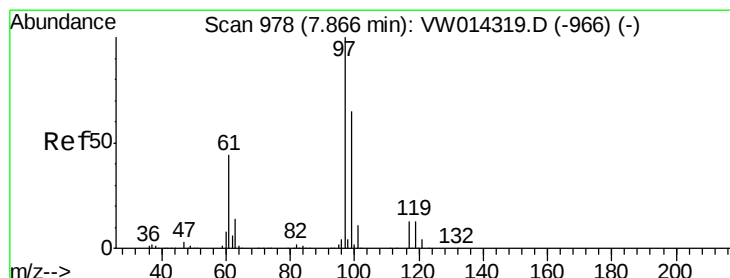
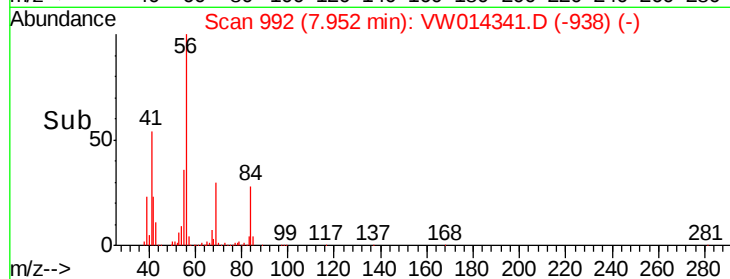
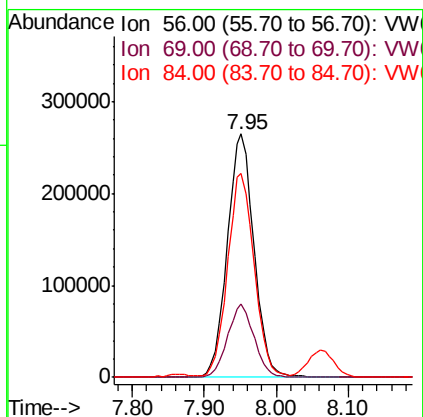
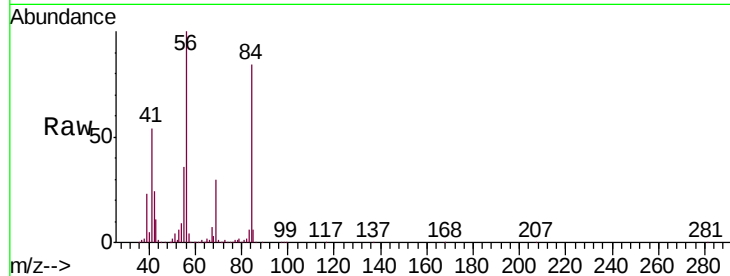




#30
Cyclohexane
Concen: 28.768 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014341.D
Acq: 13 Dec 2019 10:11

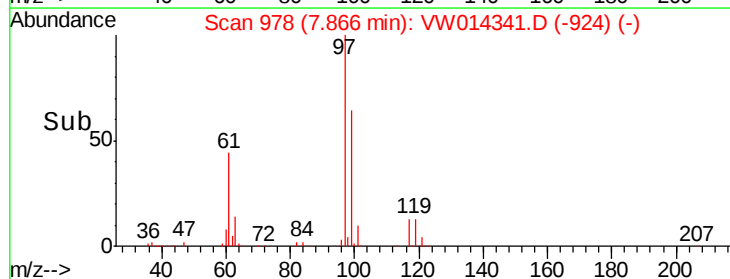
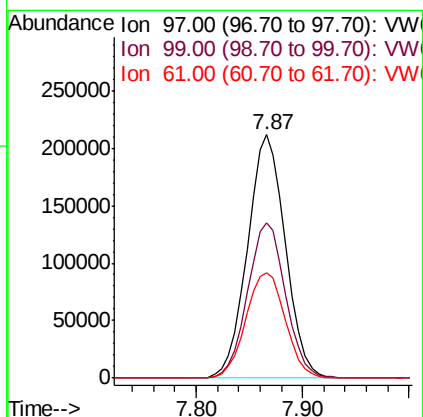
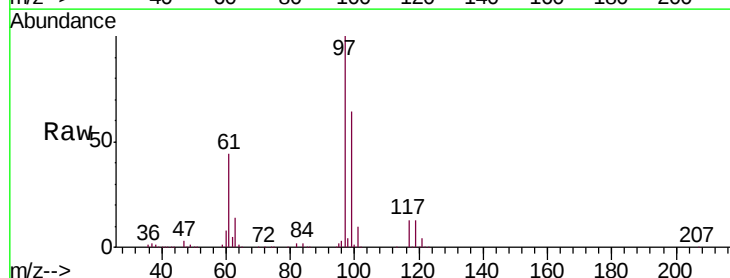
Instrument :
MSVOA_W
ClientSampleId :
BFB08

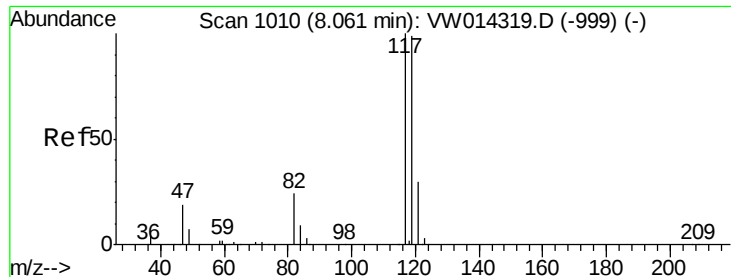
Tgt Ion: 56 Resp: 681929
Ion Ratio Lower Upper
56 100
69 29.8 24.6 37.0
84 83.8 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 27.665 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW014341.D
Acq: 13 Dec 2019 10:11

Tgt Ion: 97 Resp: 527640
Ion Ratio Lower Upper
97 100
99 64.1 51.1 76.7
61 45.1 32.8 49.2





#32

Carbon tetrachloride

Concen: 26.907 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

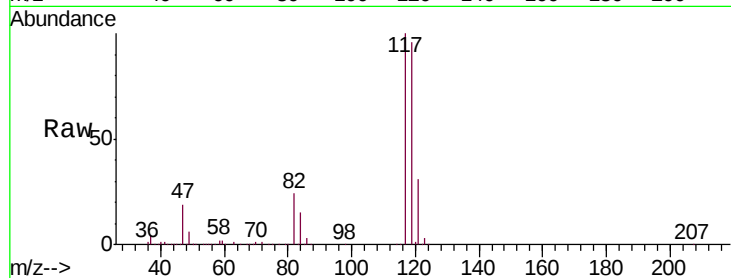
BFB08

Tgt Ion:117 Resp: 486929

Ion Ratio Lower Upper

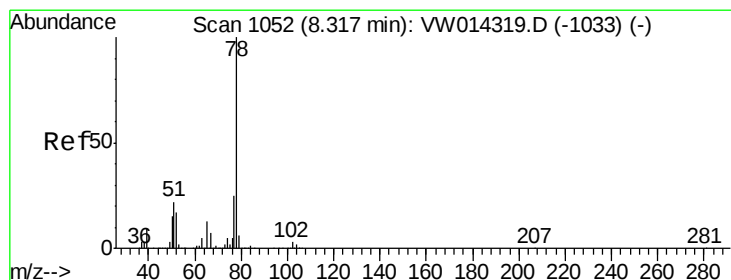
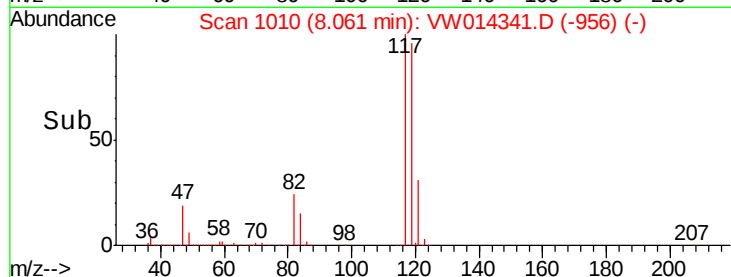
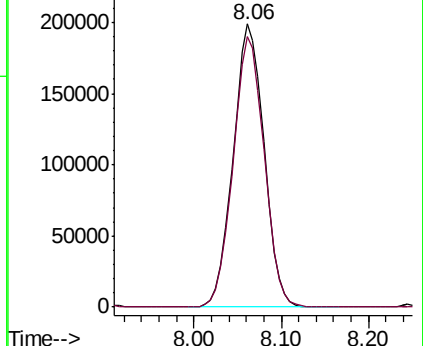
117 100

119 96.2 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.221 ug/L

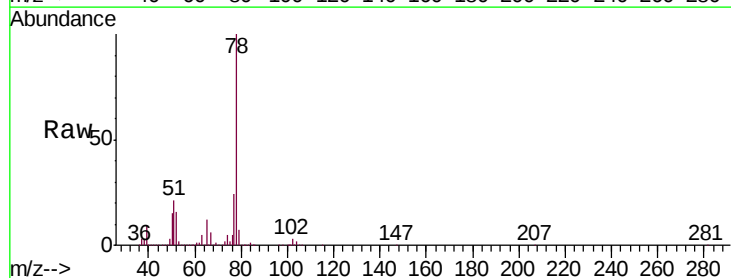
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

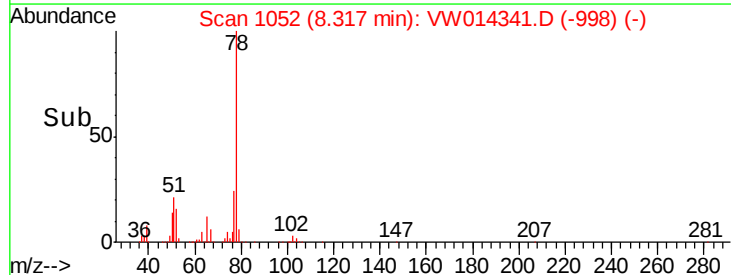
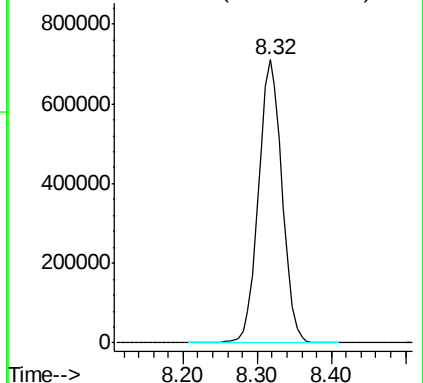
Lab File: VW014341.D

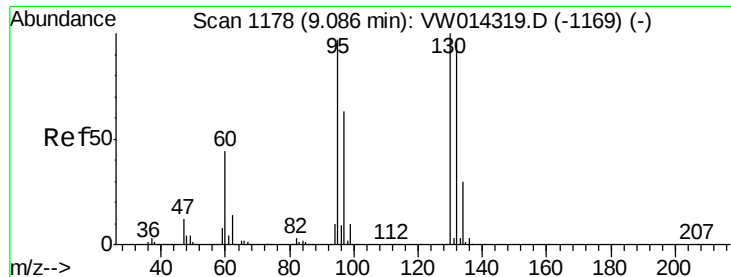
Acq: 13 Dec 2019 10:11

Tgt Ion: 78 Resp: 1576702



Abundance Ion 78.00 (77.70 to 78.70): VW

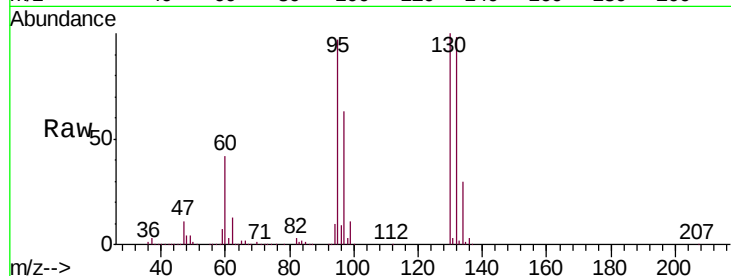




#35
 Trichloroethene
 Concen: 25.880 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW014341.D
 Acq: 13 Dec 2019 10:11

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB08

Tgt Ion:	95	Resp:	398177
Ion	Ratio	Lower	Upper
95	100		
97	63.9	45.1	83.9
132	98.6	73.7	136.9
130	101.9	76.6	142.2



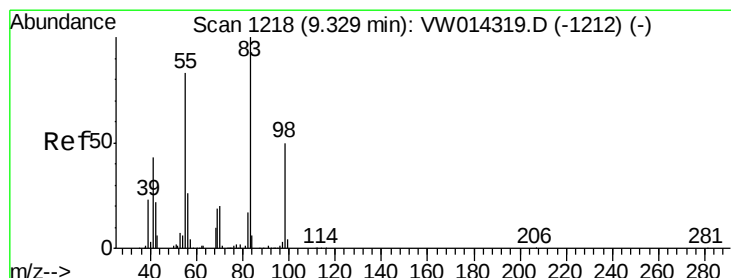
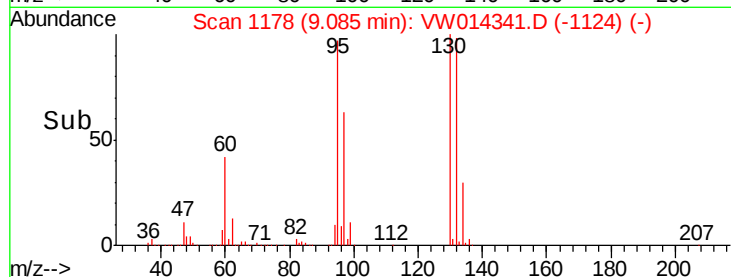
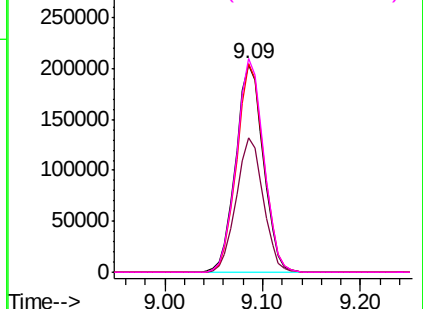
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

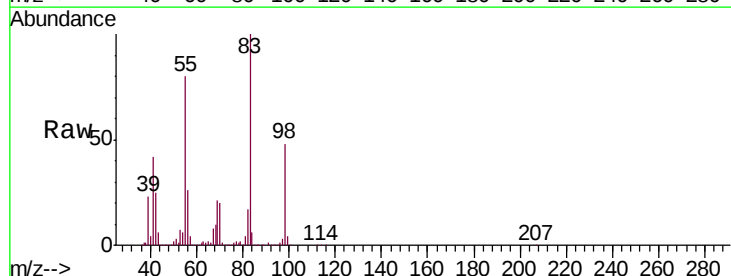
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 27.877 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VW014341.D
 Acq: 13 Dec 2019 10:11

Tgt Ion:	83	Resp:	720708
Ion	Ratio	Lower	Upper
83	100		
55	79.4	59.8	89.8
98	48.3	39.5	59.3

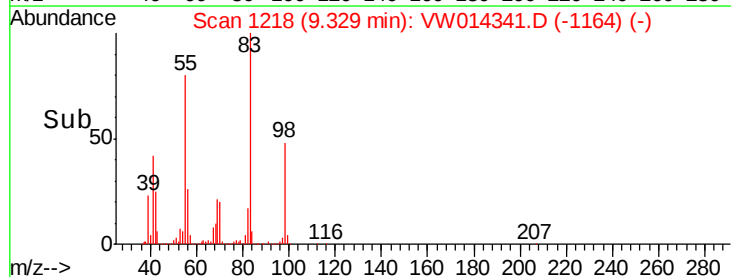
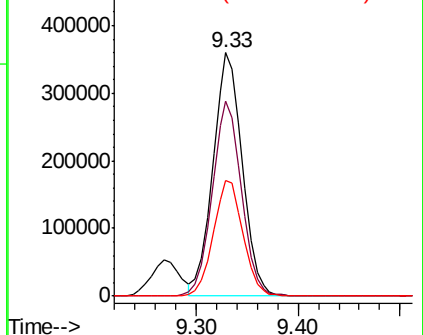


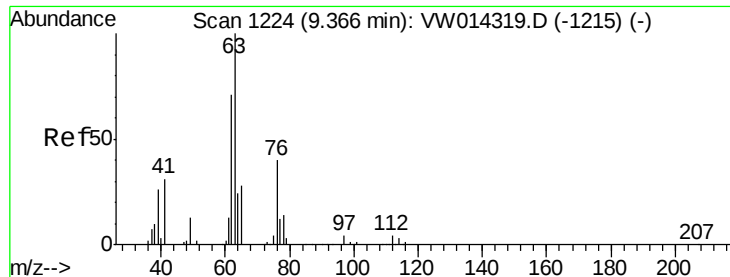
Abundance

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: 24.815 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

Instrument :

MSVOA_W

ClientSampled :

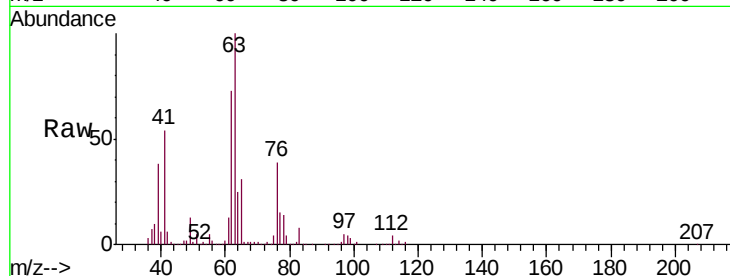
BFB08

Tgt Ion: 63 Resp: 383342

Ion Ratio Lower Upper

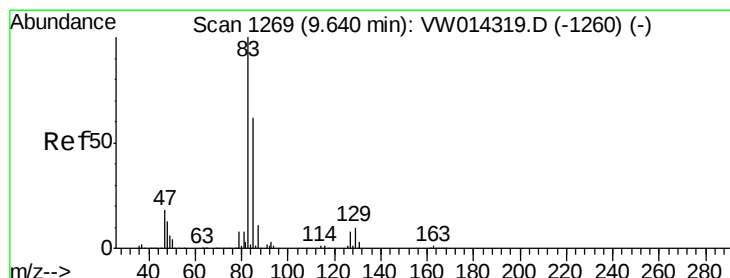
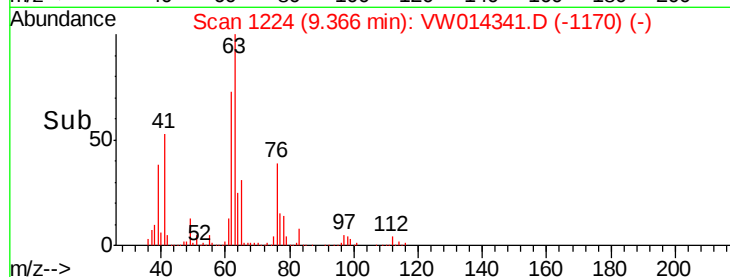
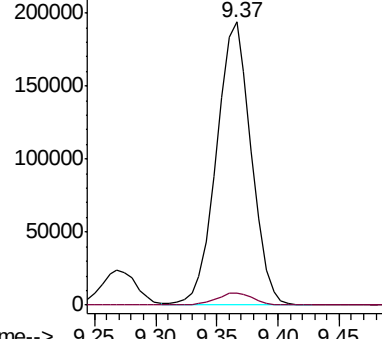
63 100

112 4.6 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.256 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

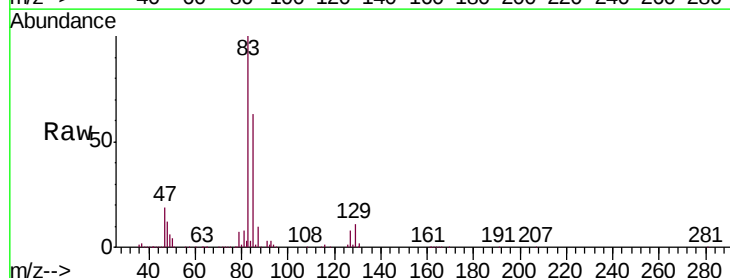
Tgt Ion: 83 Resp: 455384

Ion Ratio Lower Upper

83 100

85 63.4 45.1 83.7

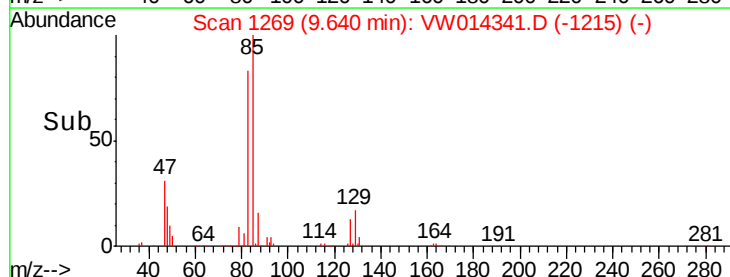
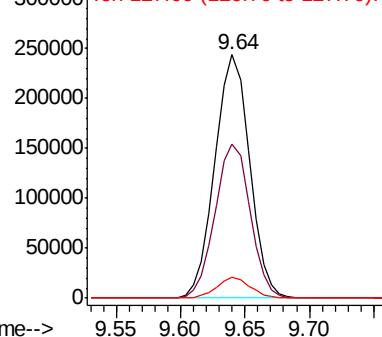
127 8.4 7.4 11.0

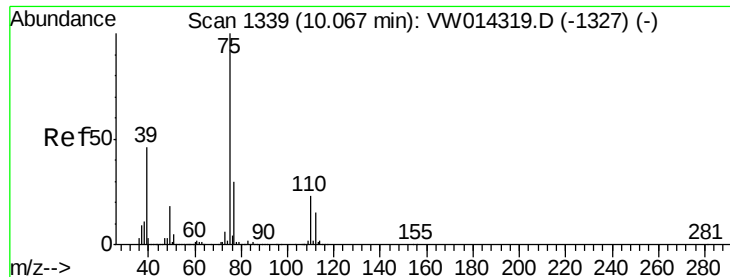


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.912 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

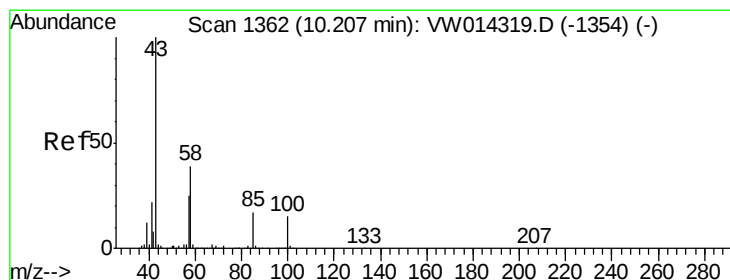
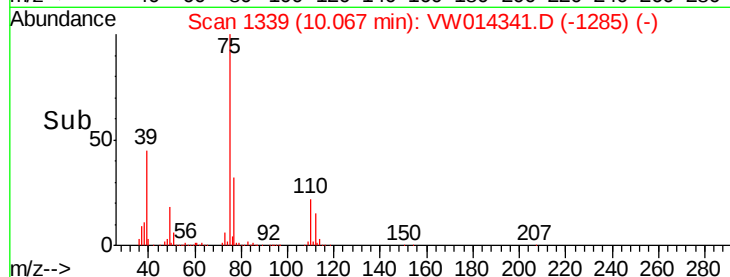
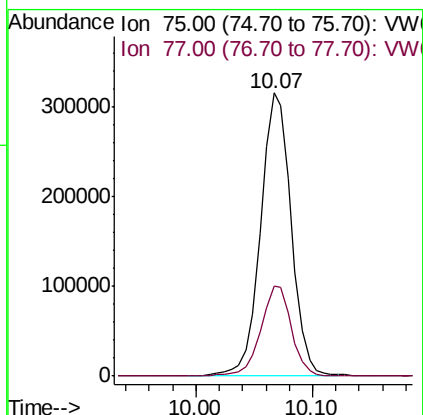
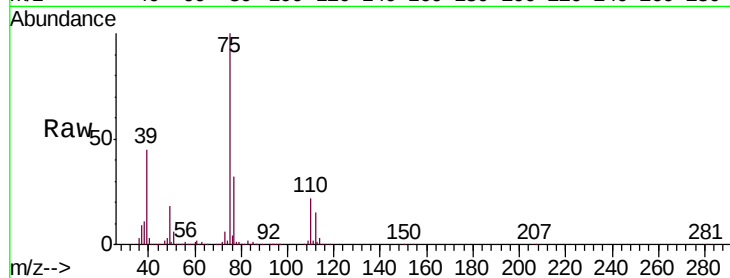
BFB08

Tgt Ion: 75 Resp: 576341

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 45.526 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

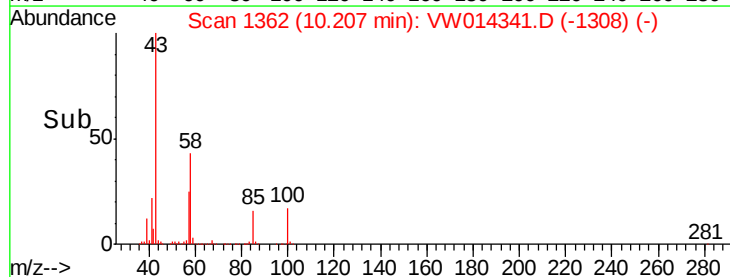
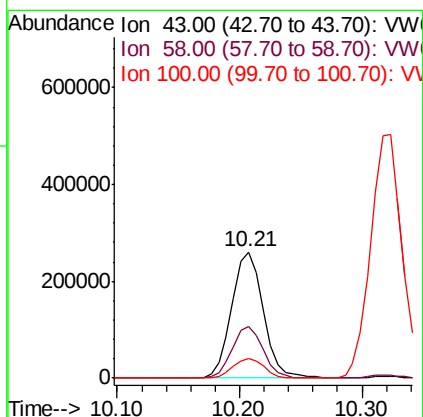
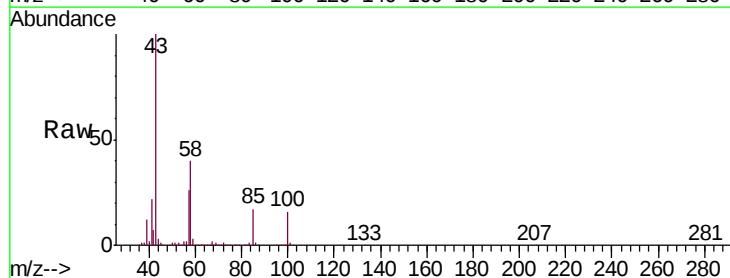
Tgt Ion: 43 Resp: 463758

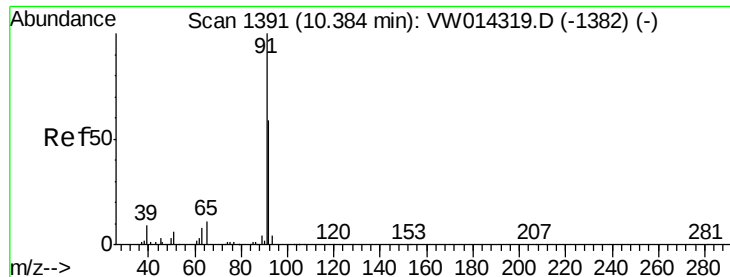
Ion Ratio Lower Upper

43 100

58 40.3 32.6 49.0

100 15.8 13.8 20.8





#44

Toluene

Concen: 26.018 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

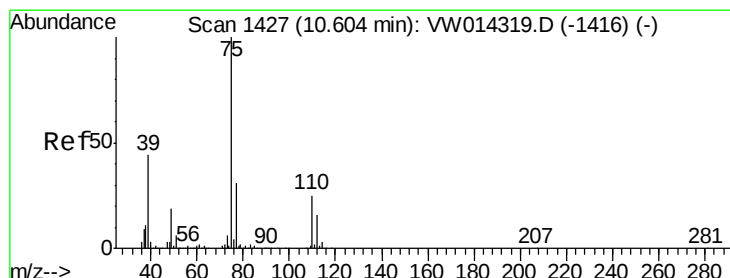
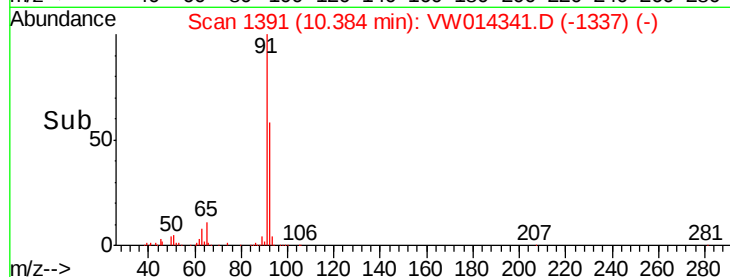
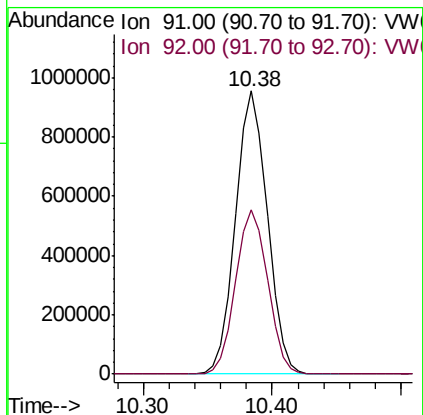
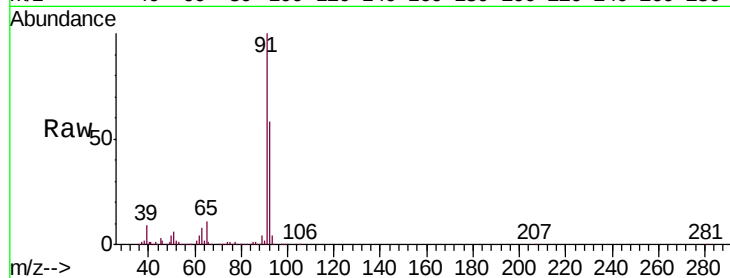
BFB08

Tgt Ion: 91 Resp: 1640201

Ion Ratio Lower Upper

91 100

92 58.0 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 23.938 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014341.D

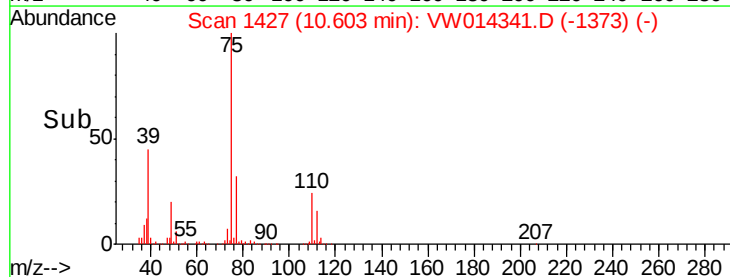
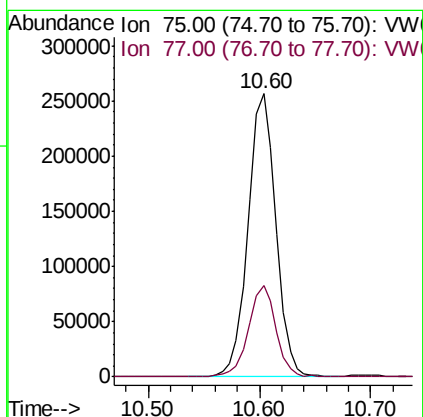
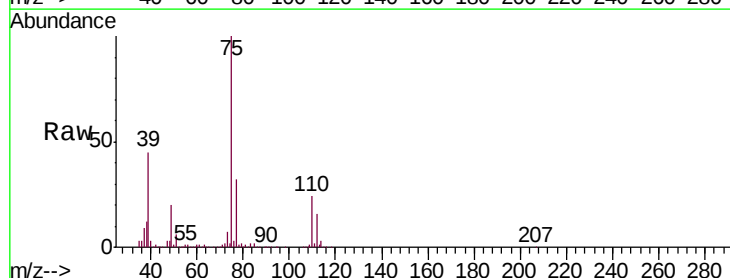
Acq: 13 Dec 2019 10:11

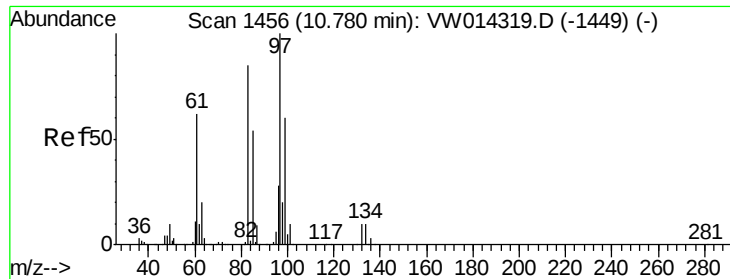
Tgt Ion: 75 Resp: 448291

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 22.657 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.01 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

BFB08

Tgt Ion: 97 Resp: 262283

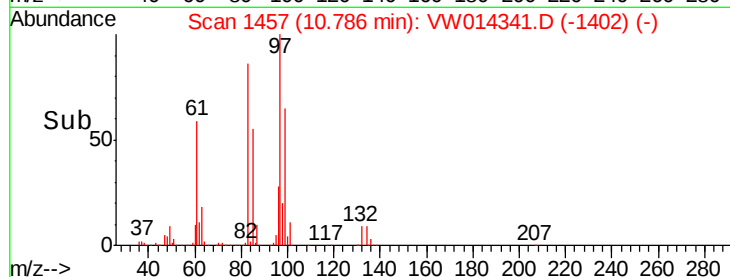
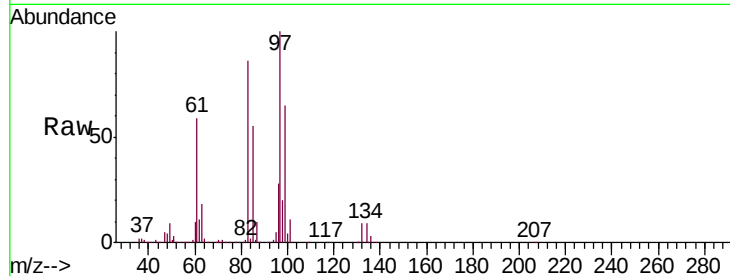
Ion Ratio Lower Upper

97 100

83 85.9 58.9 109.5

85 55.3 38.1 70.9

99 64.9 46.5 86.3

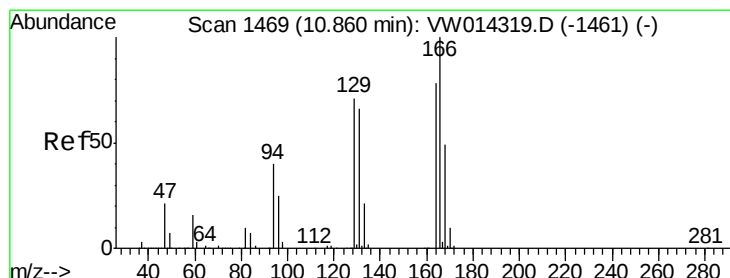
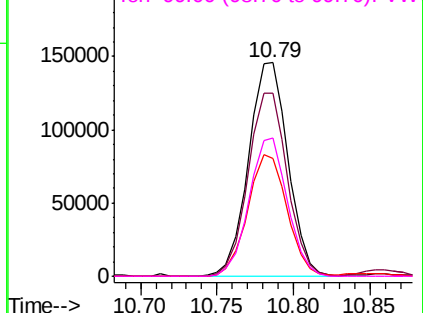


Abundance Ion 97.00 (96.70 to 97.70): VW

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



#47

Tetrachloroethene

Concen: 25.667 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

Tgt Ion: 164 Resp: 329134

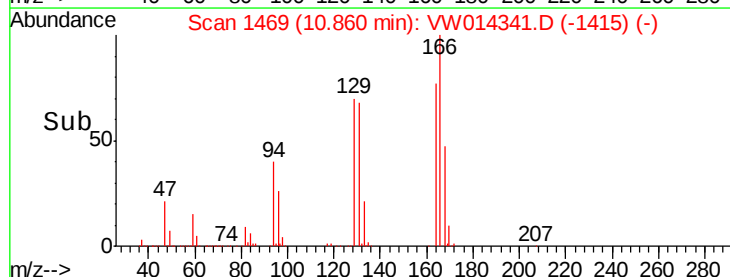
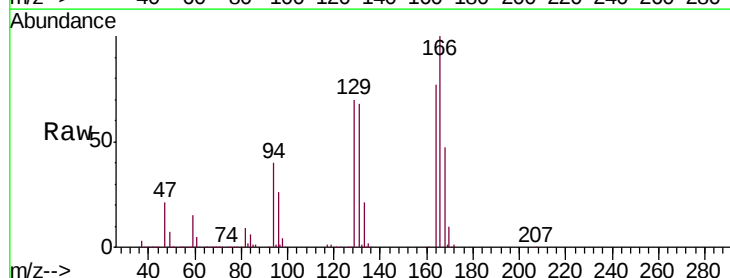
Ion Ratio Lower Upper

164 100

129 90.6 60.6 112.6

131 87.5 59.1 109.7

166 129.0 90.8 168.6

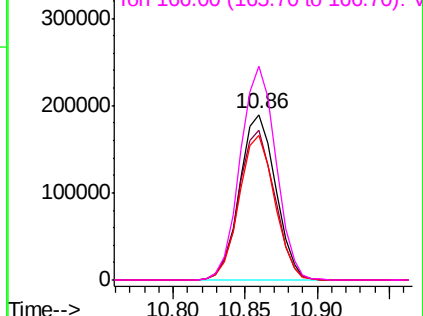


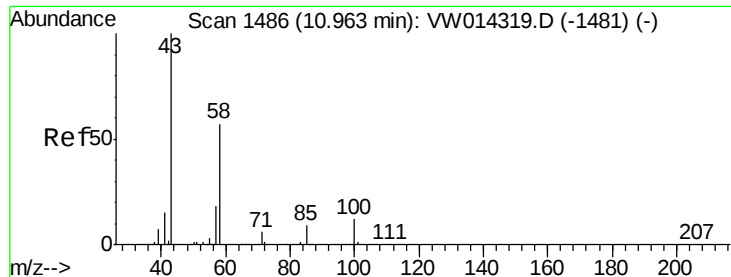
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

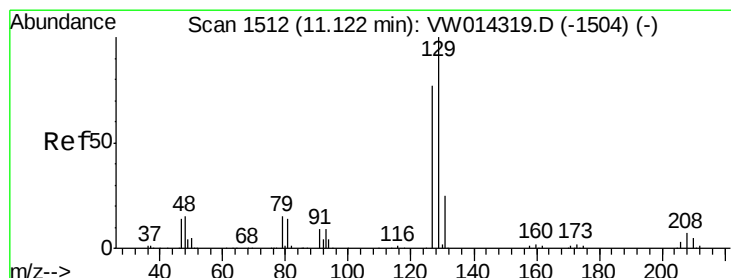
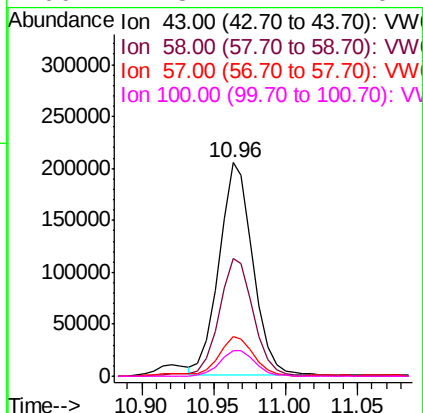
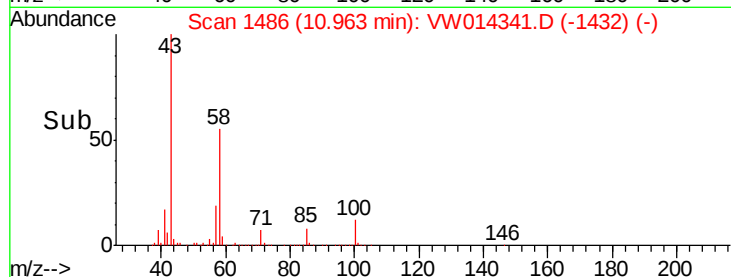
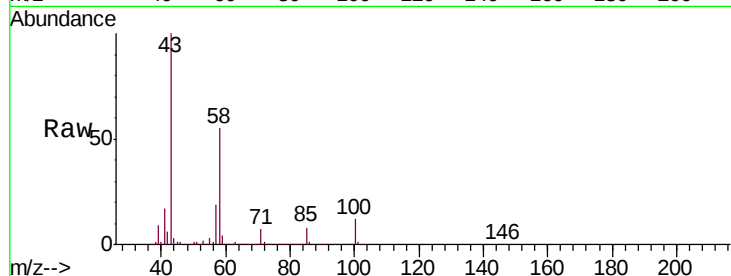




#49
2-Hexanone
Concen: 46.289 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014341.D
Acq: 13 Dec 2019 10:11

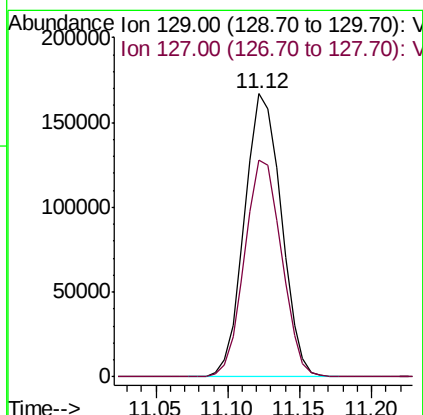
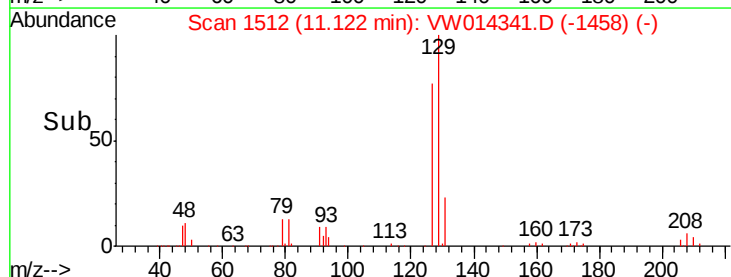
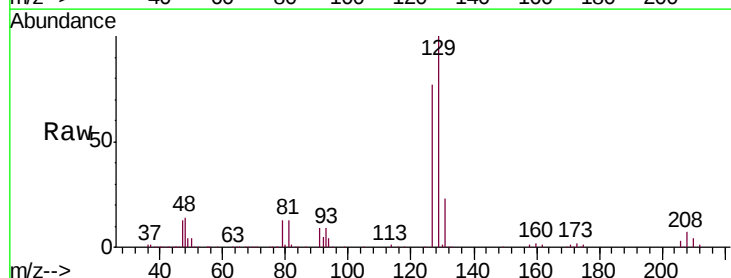
Instrument :
MSVOA_W
ClientSampleId :
BFB08

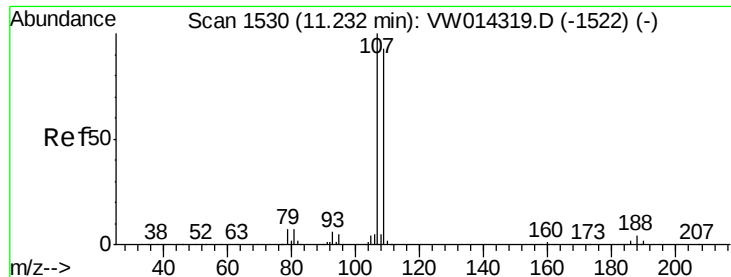
Tgt Ion: 43 Resp: 335702
Ion Ratio Lower Upper
43 100
58 56.1 44.4 66.6
57 19.3 16.5 24.7
100 12.8 11.1 16.7



#50
Dibromochloromethane
Concen: 22.764 ug/L
RT: 11.12 min Scan# 1512
Delta R.T. -0.00 min
Lab File: VW014341.D
Acq: 13 Dec 2019 10:11

Tgt Ion: 129 Resp: 295753
Ion Ratio Lower Upper
129 100
127 76.5 54.9 102.1

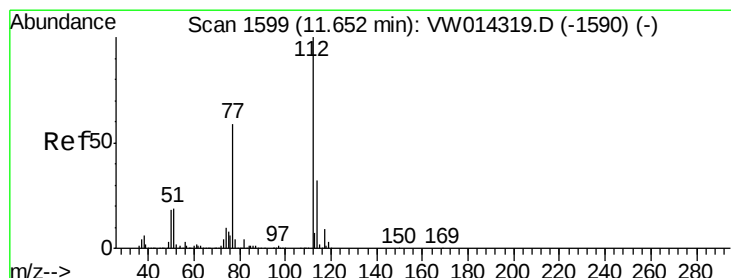
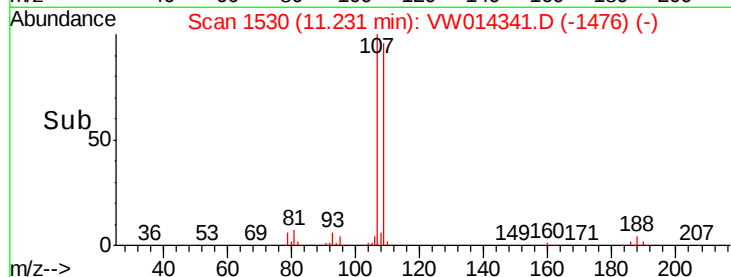
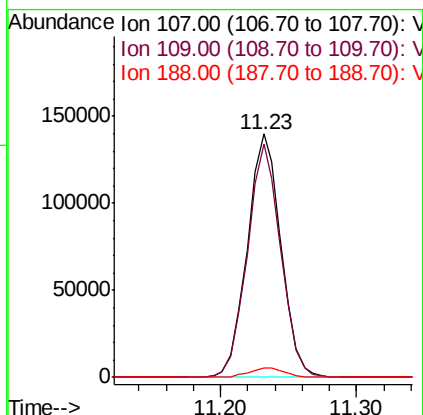
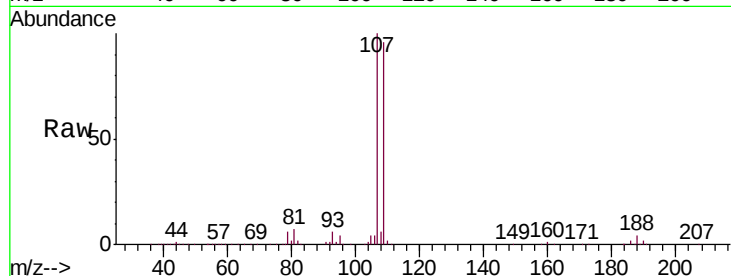




#51
1,2-Dibromoethane
Concen: 22.061 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014341.D
Acq: 13 Dec 2019 10:11

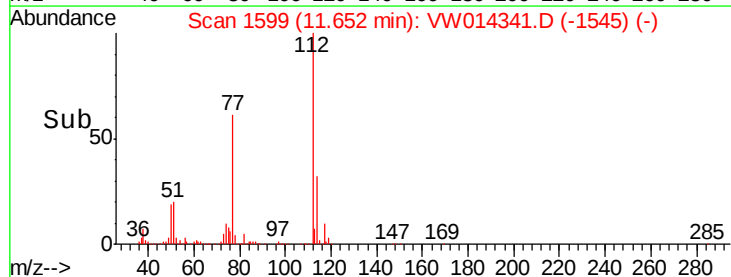
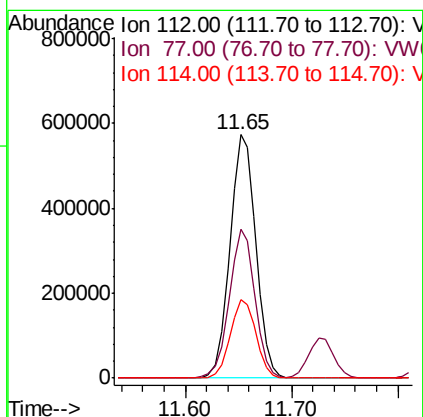
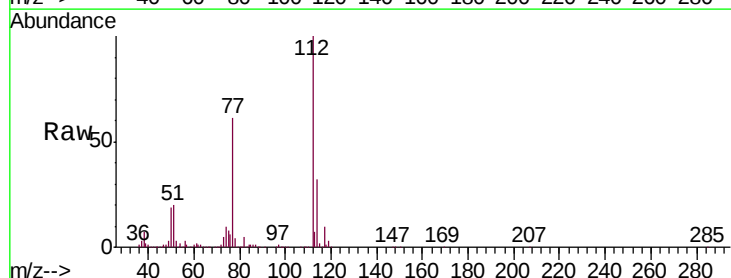
Instrument :
MSVOA_W
ClientSampleId :
BFB08

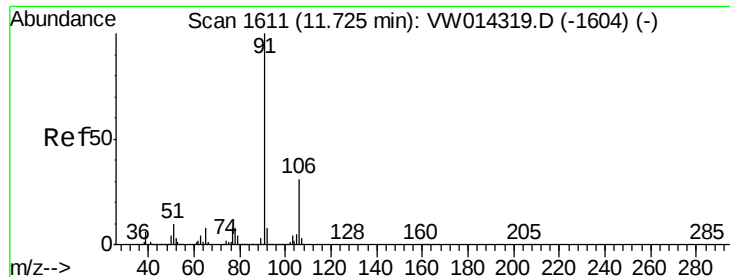
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.7	64.6	120.0
188	3.9	3.9	5.9#



#52
Chlorobenzene
Concen: 23.931 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VW014341.D
Acq: 13 Dec 2019 10:11

Tgt Ion	Ratio	Lower	Upper
112	100		
77	61.0	42.2	63.4
114	32.1	22.5	41.9





#53

Ethylbenzene

Concen: 26.069 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

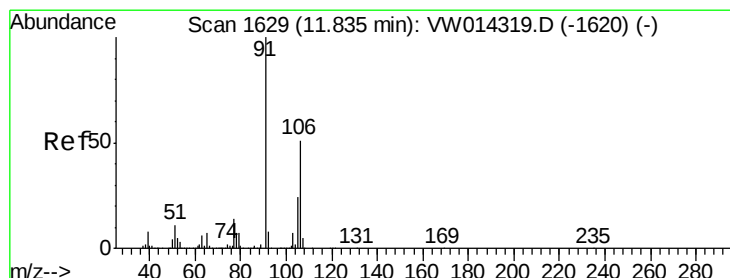
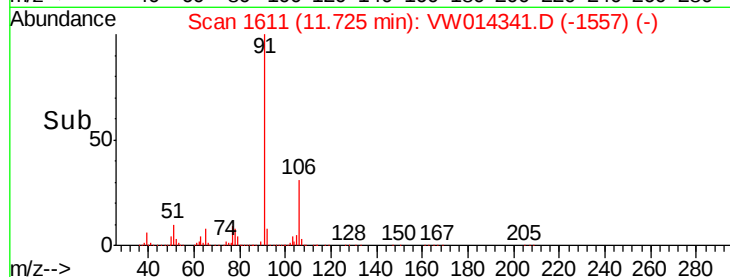
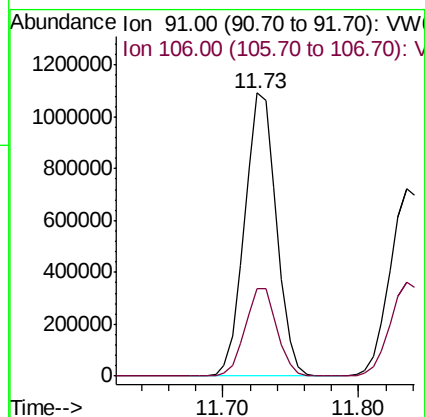
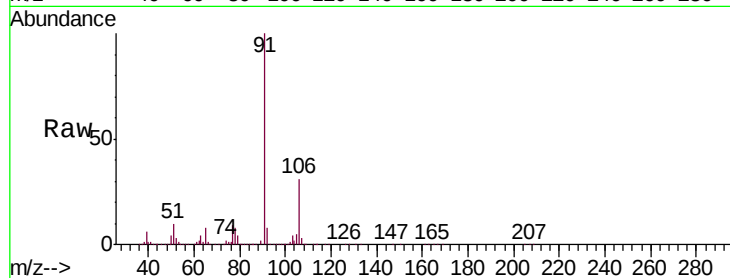
BFB08

Tgt Ion: 91 Resp: 1783265

Ion Ratio Lower Upper

91 100

106 30.8 22.3 41.5



#54

m,p-Xylene

Concen: 25.685 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014341.D

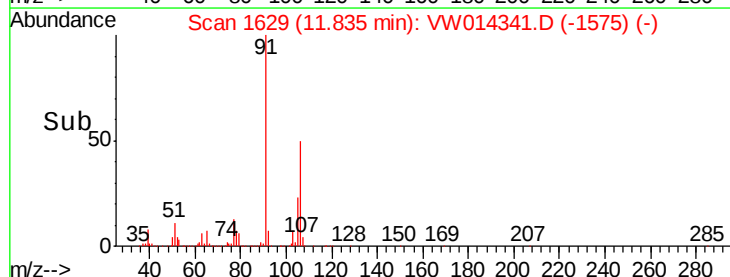
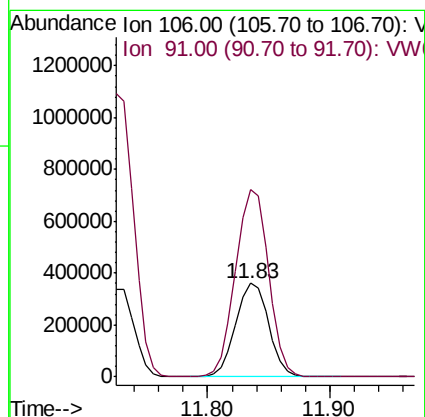
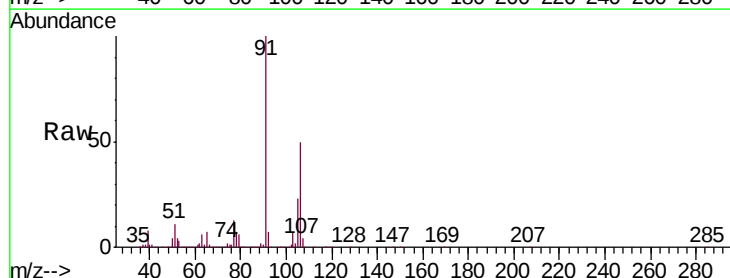
Acq: 13 Dec 2019 10:11

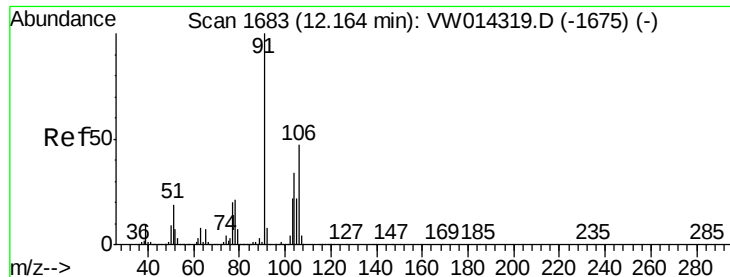
Tgt Ion: 106 Resp: 675867

Ion Ratio Lower Upper

106 100

91 199.4 138.7 257.5





#55

o-xylene

Concen: 25.449 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

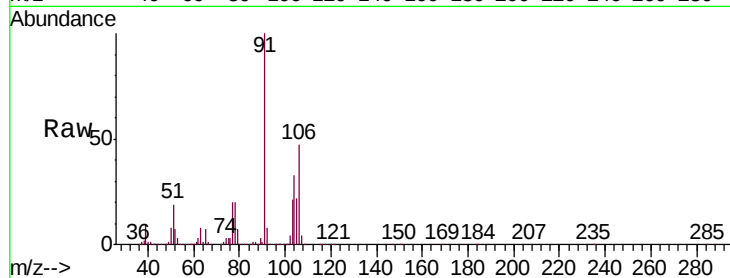
BFB08

Tgt Ion:106 Resp: 635155

Ion Ratio Lower Upper

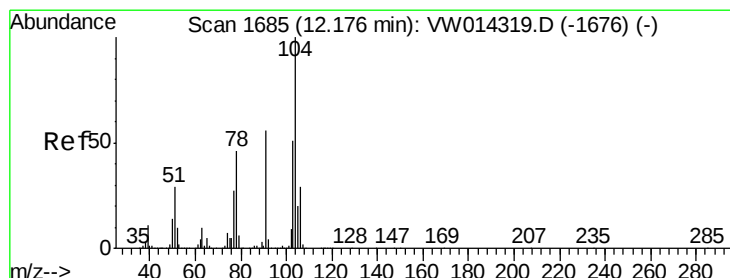
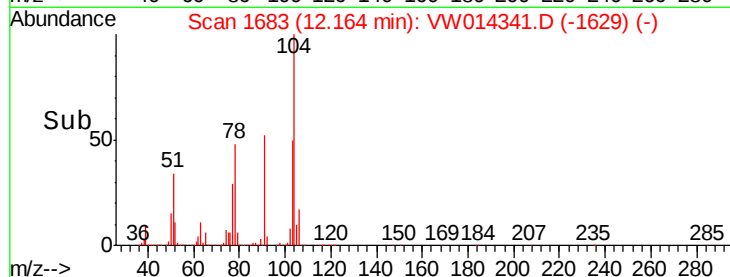
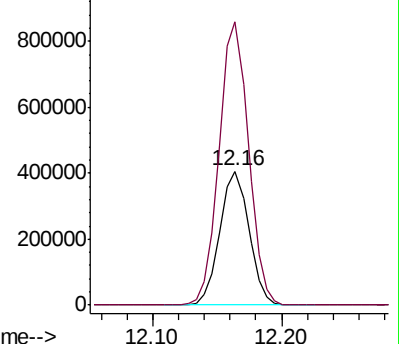
106 100

91 210.9 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.306 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014341.D

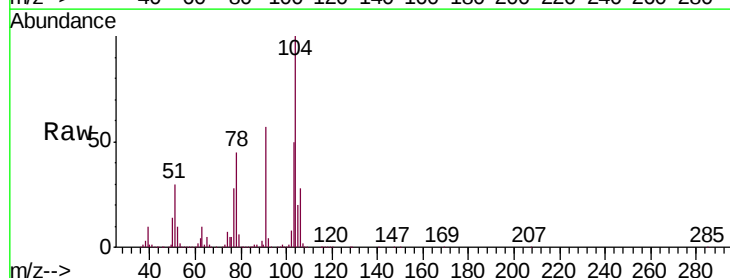
Acq: 13 Dec 2019 10:11

Tgt Ion:104 Resp: 1080511

Ion Ratio Lower Upper

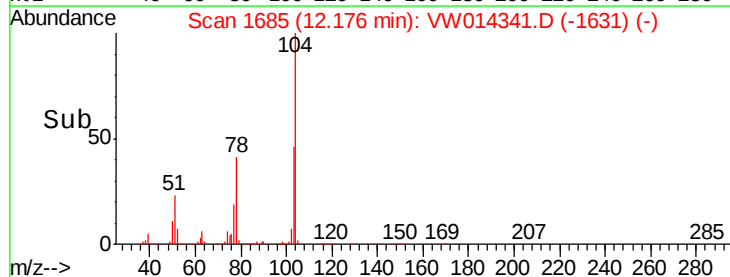
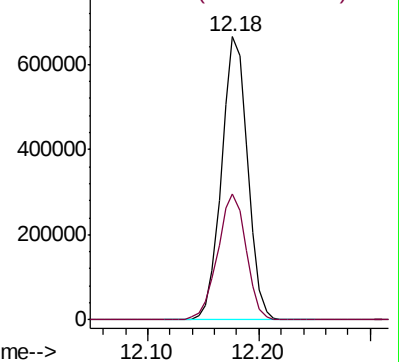
104 100

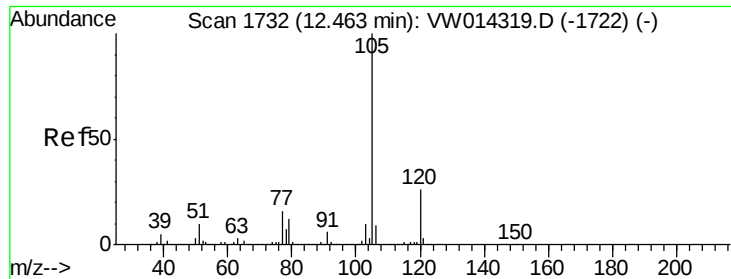
78 44.7 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.813 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

Instrument :

MSVOA_W

ClientSampled :

BFB08

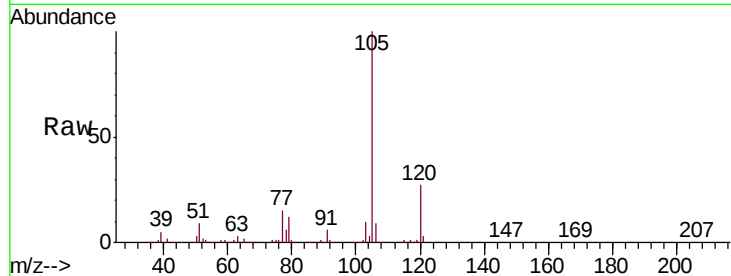
Tgt Ion: 105 Resp: 1737348

Ion Ratio Lower Upper

105 100

120 26.6 21.6 32.4

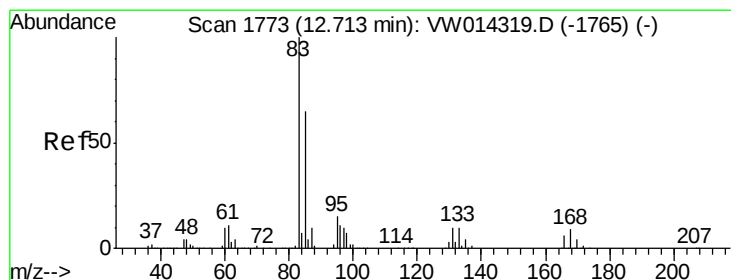
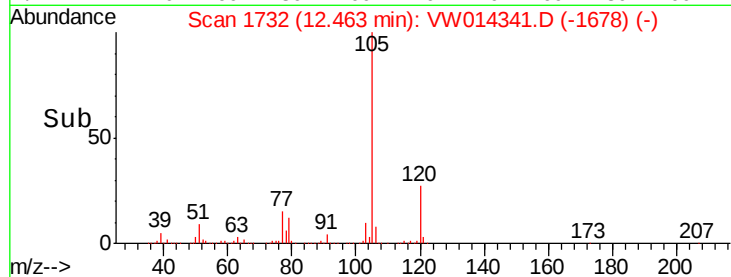
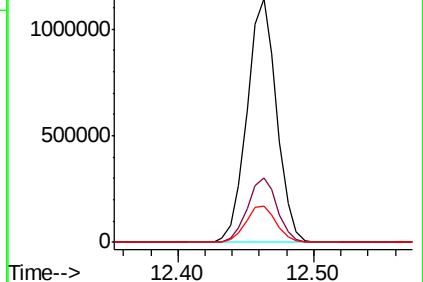
77 15.3 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 21.271 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

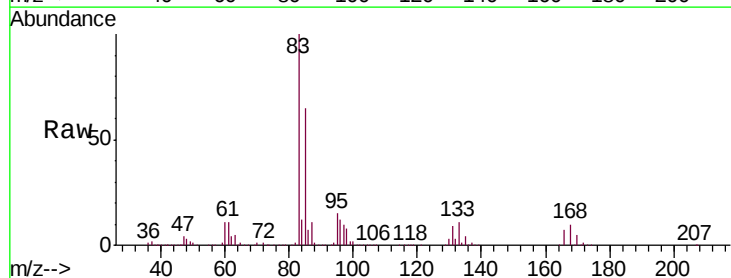
Tgt Ion: 83 Resp: 305616

Ion Ratio Lower Upper

83 100

85 65.0 43.7 81.1

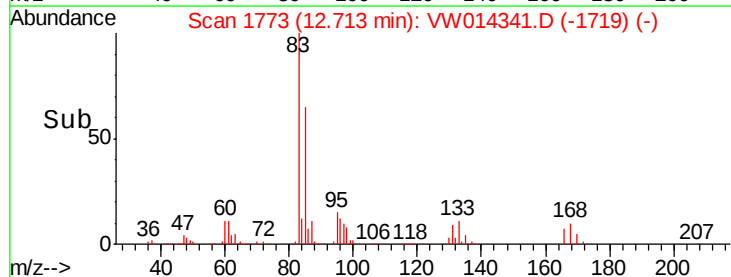
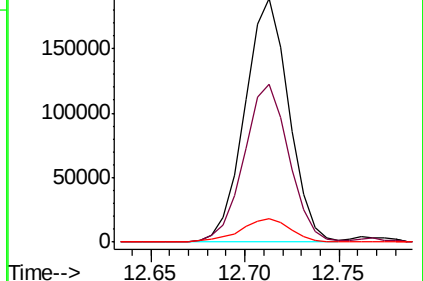
131 9.5 8.2 12.2

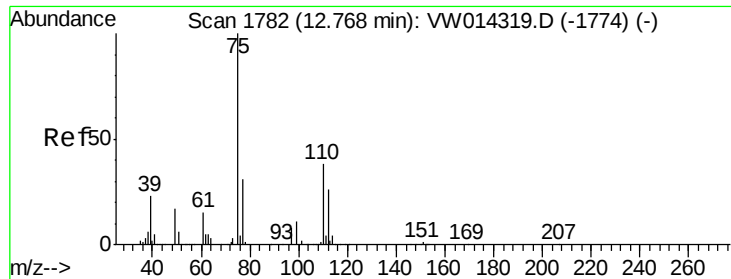


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.409 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

Instrument :

MSVOA_W

ClientSampleId :

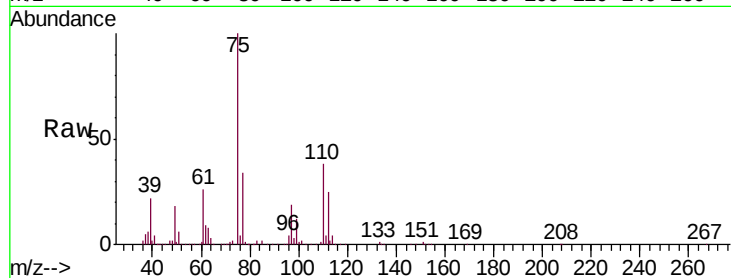
BFB08

Tgt Ion: 75 Resp: 228568

Ion Ratio Lower Upper

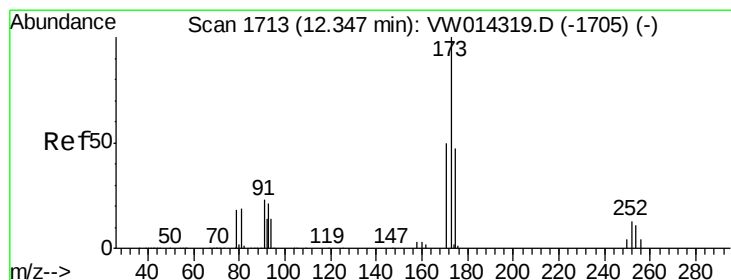
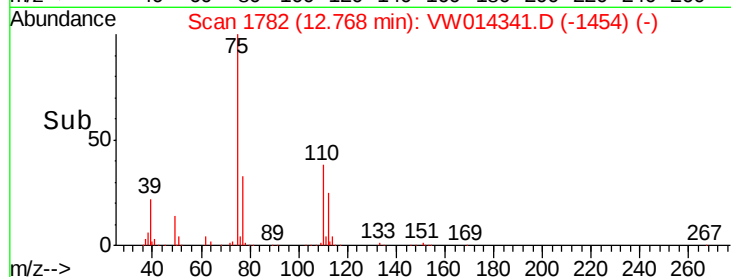
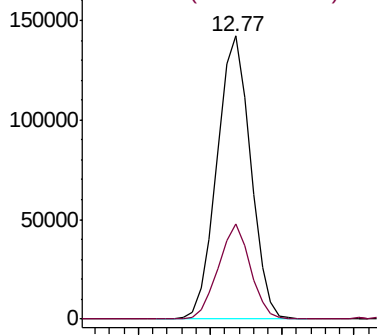
75 100

77 32.0 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 22.660 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

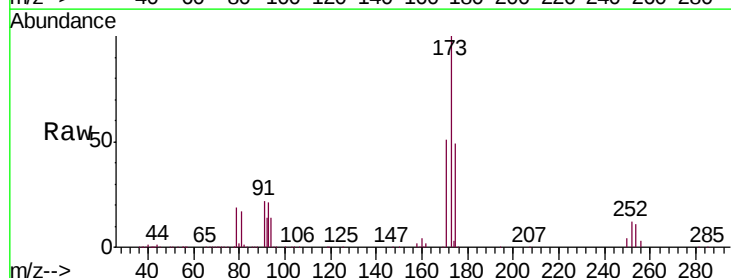
Tgt Ion: 173 Resp: 165503

Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

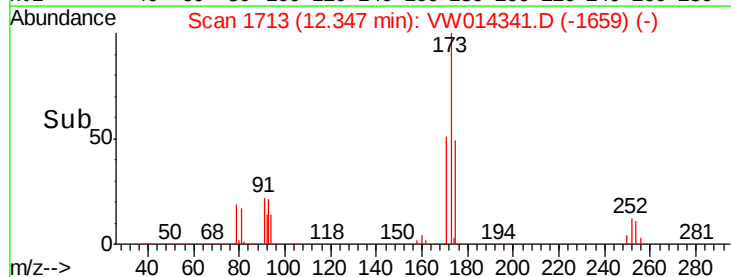
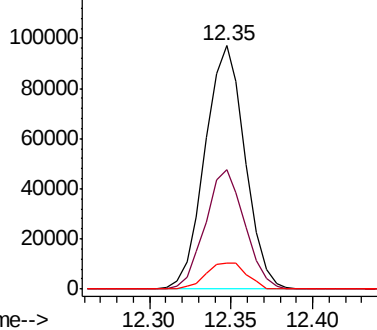
254 10.8 9.4 14.0

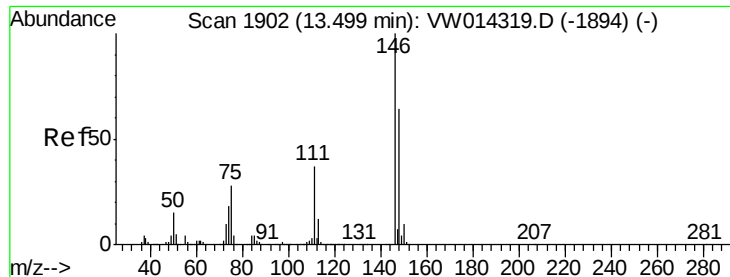


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

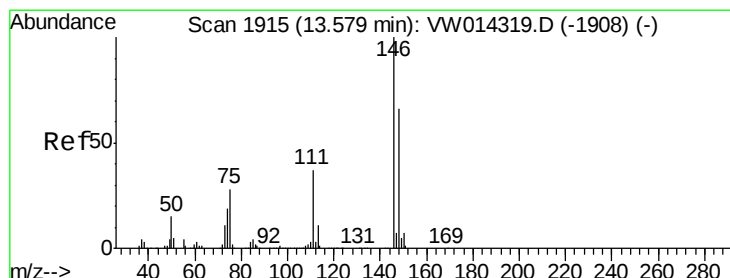
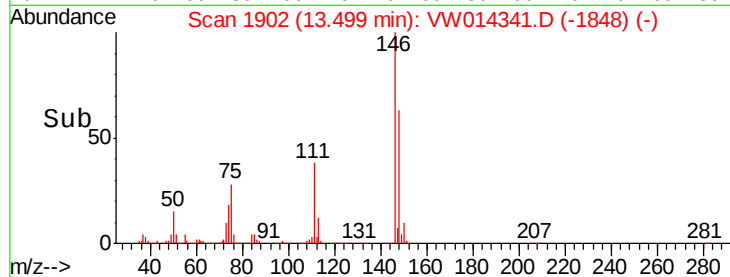
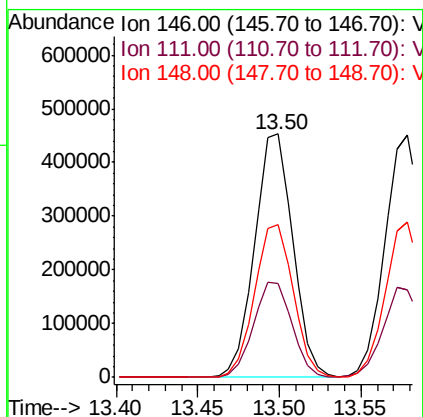
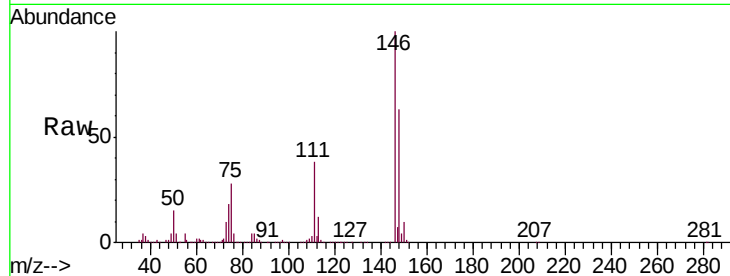




#63
 1,3-Dichlorobenzene
 Concen: 25.587 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014341.D
 Acq: 13 Dec 2019 10:11

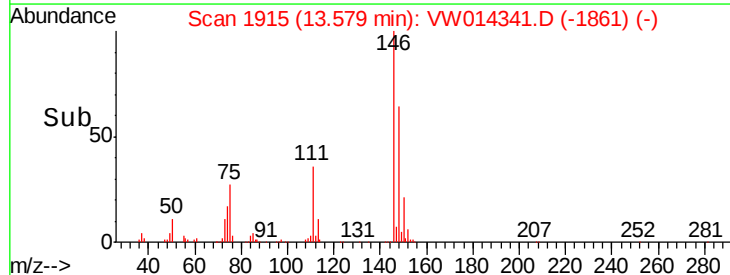
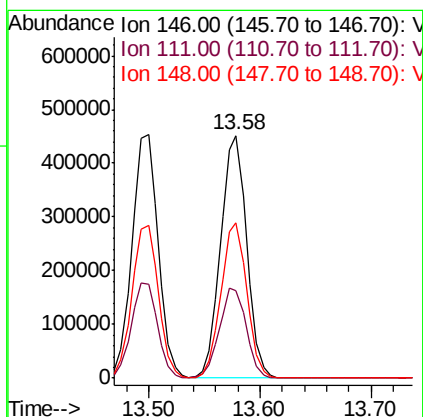
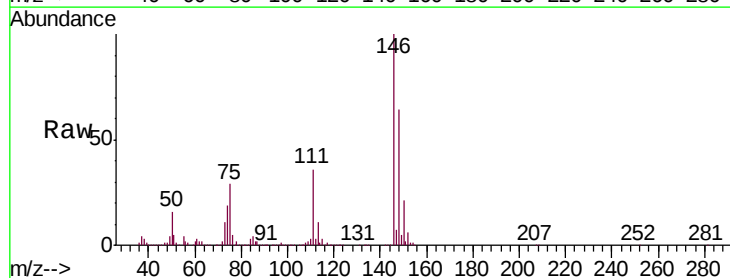
Instrument :
 MSVOA_W
 ClientSampled :
 BFB08

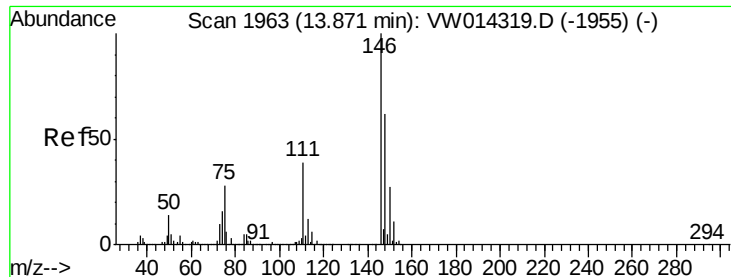
Tgt Ion:146 Resp: 740079
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.0 48.2
 148 62.7 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 24.877 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014341.D
 Acq: 13 Dec 2019 10:11

Tgt Ion:146 Resp: 731048
 Ion Ratio Lower Upper
 146 100
 111 36.0 24.9 46.3
 148 64.2 43.9 81.5

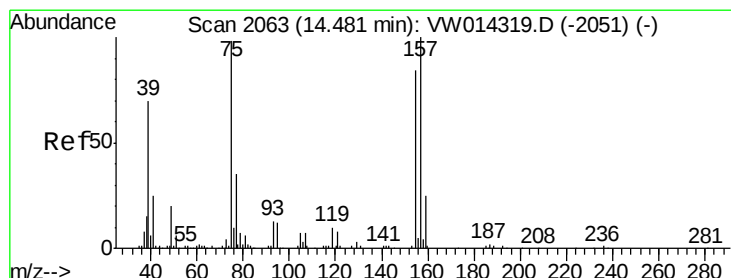
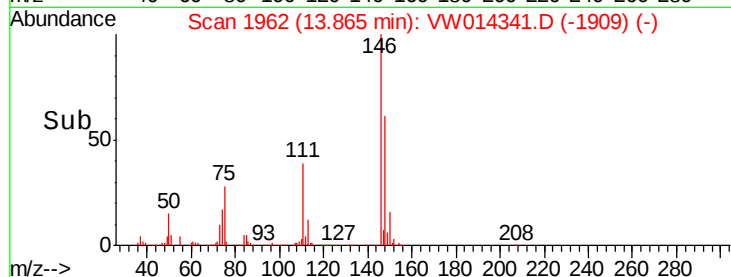
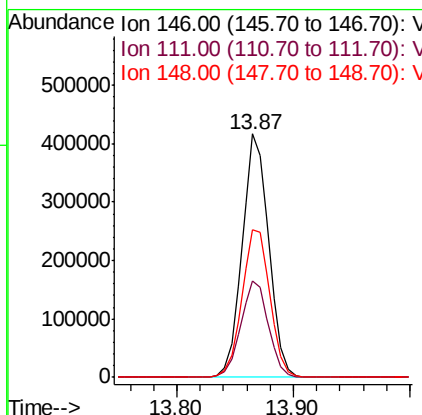
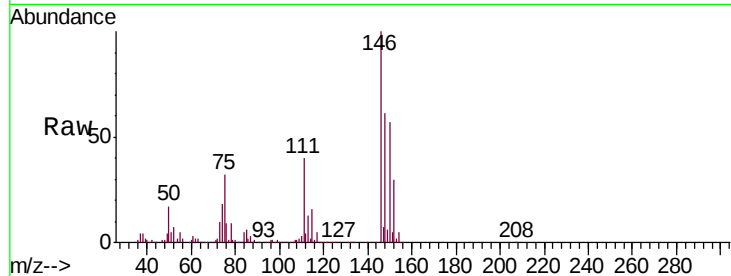




#65
 1,2-Dichlorobenzene
 Concen: 24.605 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014341.D
 Acq: 13 Dec 2019 10:11

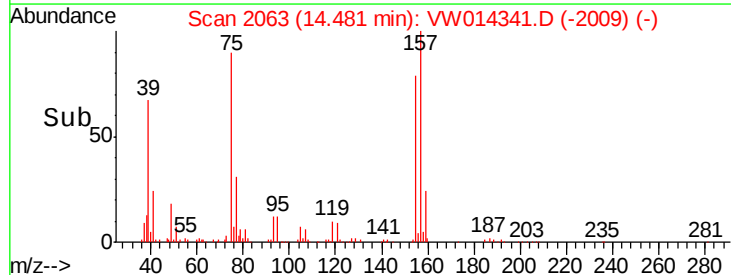
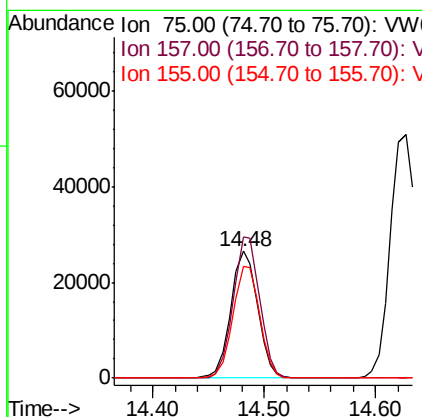
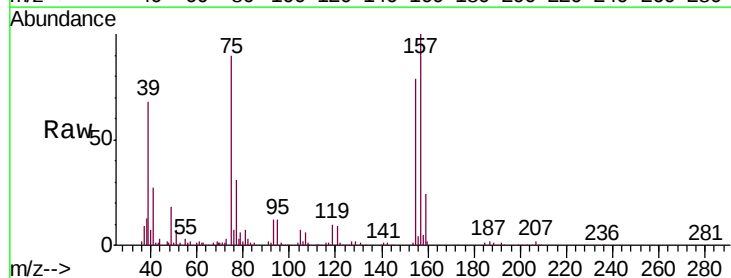
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB08

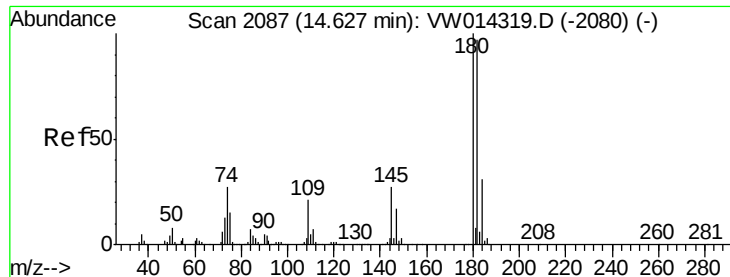
Tgt Ion:146 Resp: 661801
 Ion Ratio Lower Upper
 146 100
 111 39.5 30.5 45.7
 148 60.6 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.472 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014341.D
 Acq: 13 Dec 2019 10:11

Tgt Ion: 75 Resp: 44553
 Ion Ratio Lower Upper
 75 100
 157 111.3 96.9 145.3
 155 87.6 82.9 124.3

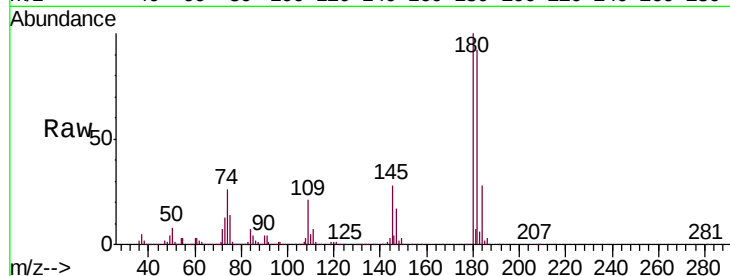




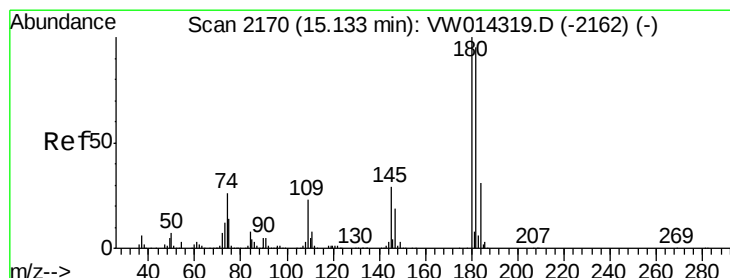
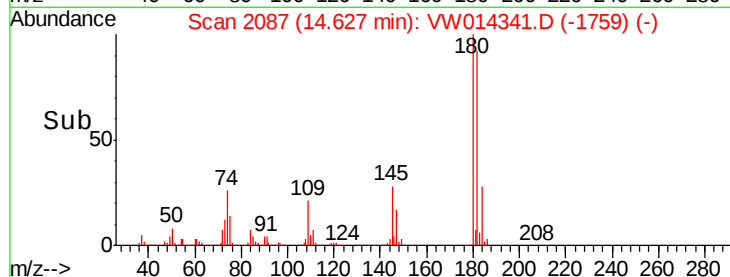
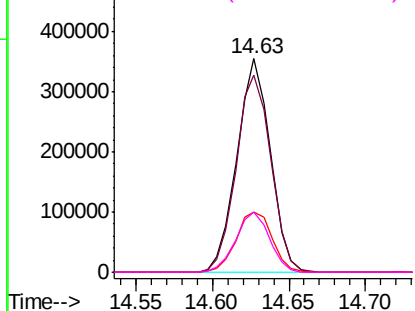
#67
 1,3,5-Trichlorobenzene
 Concen: 25.825 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014341.D
 Acq: 13 Dec 2019 10:11

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB08

Tgt Ion:	180	Resp:	537413
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.2	114.2
184	30.3	24.3	36.5
145	28.5	21.9	32.9

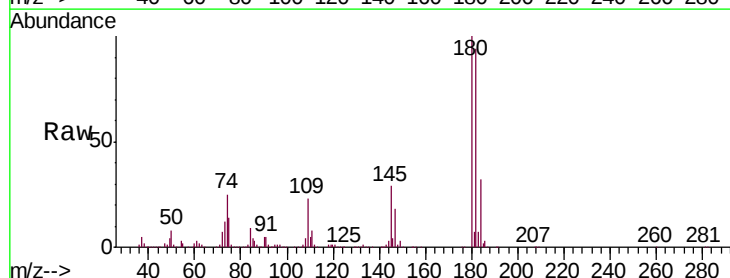


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

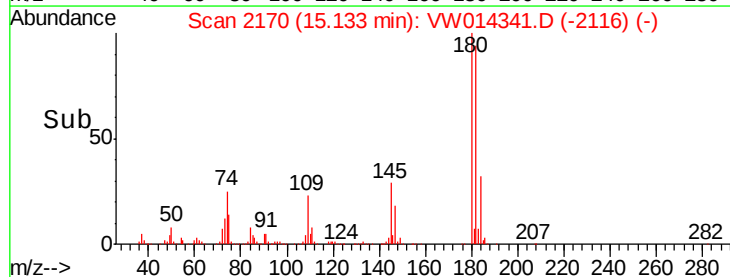
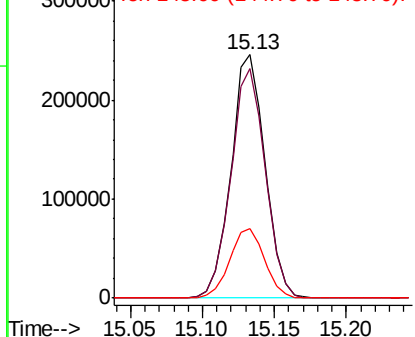


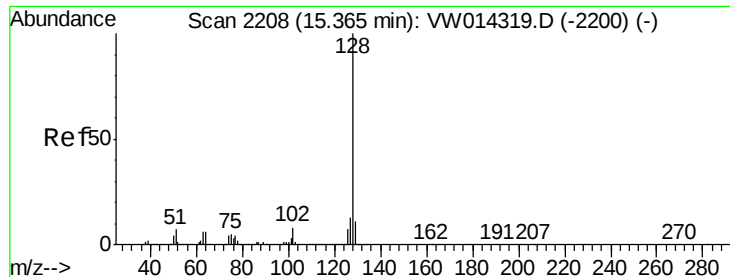
#68
 1,2,4-trichlorobenzene
 Concen: 24.875 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014341.D
 Acq: 13 Dec 2019 10:11

Tgt Ion:	180	Resp:	403540
Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.8	113.8
145	29.3	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: 22.916 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

Instrument :

MSVOA_W

ClientSampled :

BFB08

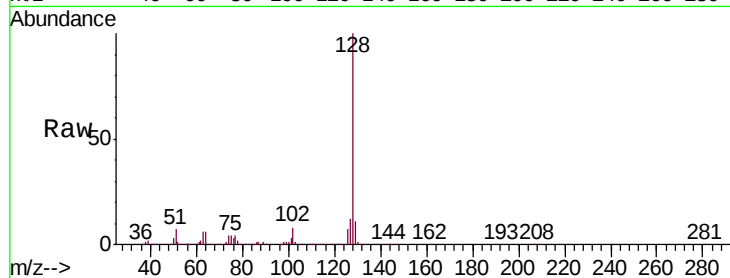
Tgt Ion:128 Resp: 699115

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

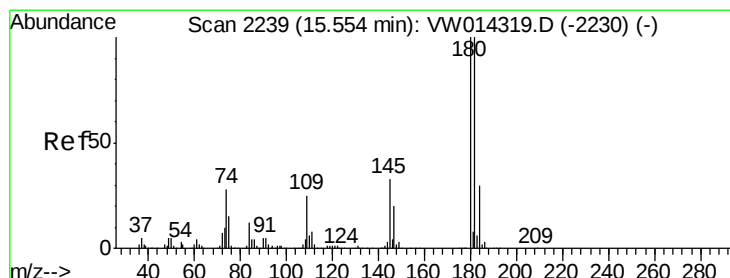
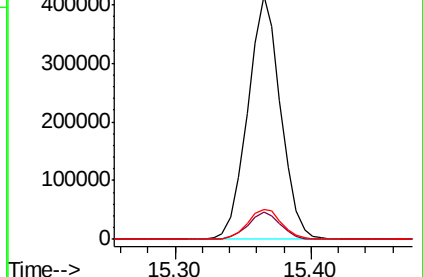
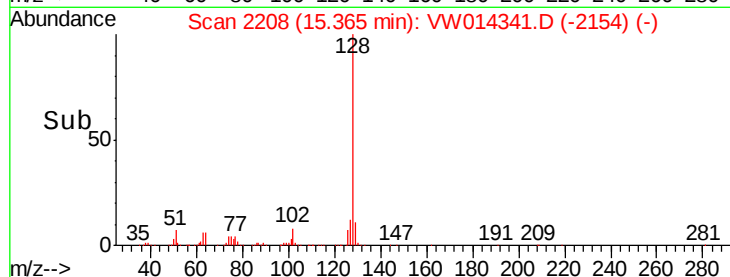
127 12.9 10.4 15.6



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: 23.665 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014341.D

Acq: 13 Dec 2019 10:11

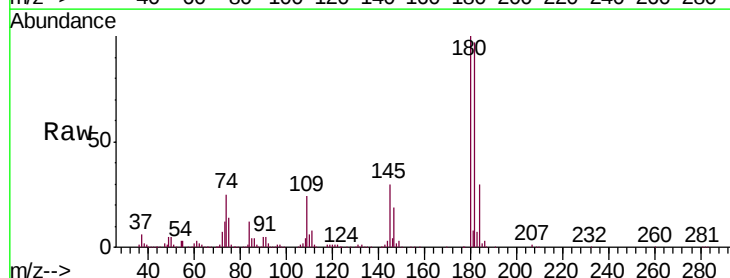
Tgt Ion:180 Resp: 360015

Ion Ratio Lower Upper

180 100

182 95.8 75.8 113.6

145 30.9 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

