

Data File : VW014104.D
Acq On : 25 Nov 2019 10:47
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB27

Quant Time: Nov 26 07:45:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 25 17:12:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	310460	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	299387	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	179670	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	117407	23.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.80%
7) Chloroethane-d5	2.89	69	101502	25.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.12%
10) 1,1-Dichloroethene-d2	4.02	63	245987	24.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.80%
20) 2-Butanone-d5	7.07	46	83565	58.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.14%
24) Chloroform-d	7.64	84	261028	27.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.36%
26) 1,2-Dichloroethane-d4	8.30	65	135583	28.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.00%
29) Benzene-d6	8.27	84	536940	25.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.12%
33) 1,2-Dichloropropane-d6	9.27	67	159520	25.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.56%
37) Toluene-d8	10.32	98	496383	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.56%
38) trans-1,3-Dichloropropene-	10.57	79	70493	26.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.80%
39) 2-Hexanone-d5	10.92	63	67768	57.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132589	28.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	183512	25.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	74469	20.169 ug/L	100
3) Chloromethane	2.21	50	63449	19.347 ug/L	96
5) Vinyl chloride	2.37	62	121617	23.750 ug/L	94
6) Bromomethane	2.78	94	76040	23.985 ug/L	98
8) Chloroethane	2.92	64	72202	23.705 ug/L	94
9) Trichlorofluoromethane	3.26	101	75071	21.500 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	124755	24.197 ug/L	99
12) 1,1-Dichloroethene	4.04	96	124117	23.682 ug/L	91
13) Acetone	4.11	43	67229	45.912 ug/L	100
14) Carbon disulfide	4.39	76	342630	22.970 ug/L	99
15) Methyl Acetate	4.67	43	60010	25.329 ug/L	99
16) Methylene chloride	4.91	84	138817	23.226 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	164046	24.263 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	131022	23.974 ug/L	97
19) 1,1-Dichloroethane	6.21	63	231016	25.095 ug/L	99
21) 2-Butanone	7.16	43	87990	46.772 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	139090	24.185 ug/L	97

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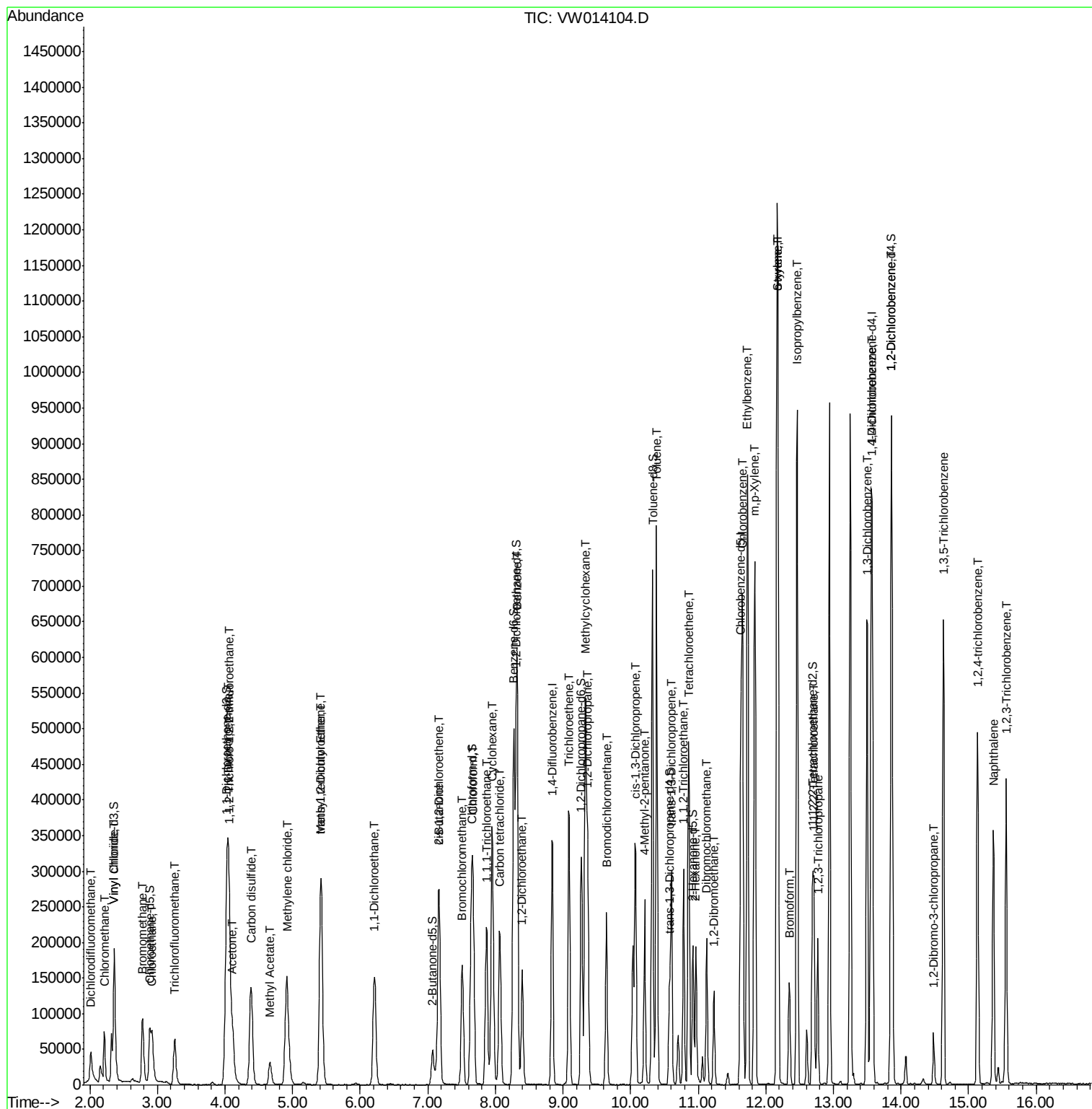
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65154	25.808	ug/L	92
25) Chloroform	7.67	83	228815	25.311	ug/L	100
27) 1,2-Dichloroethane	8.40	62	147962	27.034	ug/L	97
30) Cyclohexane	7.95	56	210756	21.997	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	180454	24.051	ug/L	98
32) Carbon tetrachloride	8.06	117	173217	24.050	ug/L	100
34) Benzene	8.32	78	528100	24.048	ug/L	100
35) Trichloroethene	9.09	95	137969	23.553	ug/L	99
36) Methylcyclohexane	9.33	83	229568	21.857	ug/L	98
40) 1,2-Dichloropropane	9.37	63	130000	24.592	ug/L	100
41) Bromodichloromethane	9.64	83	164625	25.759	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	205458	24.628	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	167090	47.872	ug/L	99
44) Toluene	10.38	91	574072	23.977	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	164154	24.883	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	97389	25.073	ug/L	98
47) Tetrachloroethene	10.86	164	122613	23.483	ug/L	98
49) 2-Hexanone	10.96	43	121932	48.455	ug/L	100
50) Dibromochloromethane	11.13	129	116169	25.445	ug/L	97
51) 1,2-Dibromoethane	11.23	107	91356	24.241	ug/L	97
52) Chlorobenzene	11.65	112	358058	23.855	ug/L	96
53) Ethylbenzene	11.73	91	632474	24.073	ug/L	98
54) m,p-Xylene	11.84	106	244793	23.975	ug/L	99
55) o-xylene	12.16	106	230014	24.057	ug/L	95
56) Styrene	12.18	104	401480	24.856	ug/L	98
57) Isopropylbenzene	12.46	105	623725	23.726	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	117396	25.888	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	85262	24.999	ug/L	100
62) Bromoform	12.35	173	72906	24.761	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	293128	23.235	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	292908	23.499	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	263779	23.612	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	17486	22.984	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	224884	23.390	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	176178	23.305	ug/L	98
69) Naphthalene	15.36	128	313867	23.370	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	161596	24.221	ug/L	99

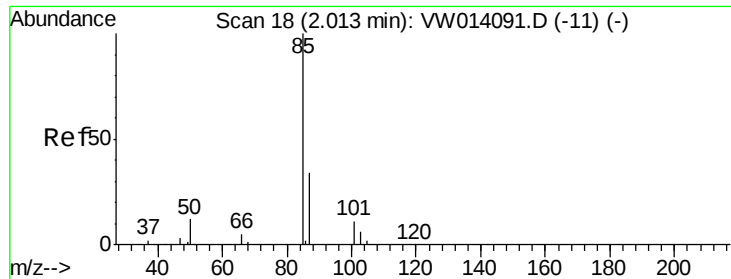
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.169 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

Instrument :

MSVOA_W

ClientSampled :

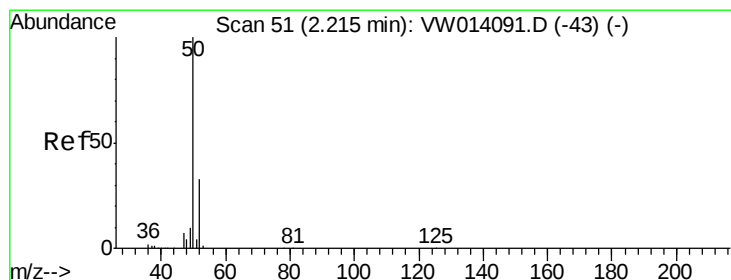
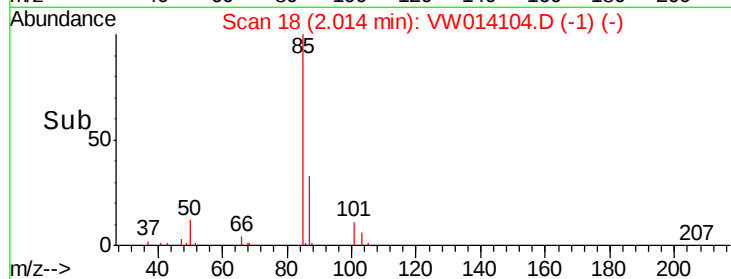
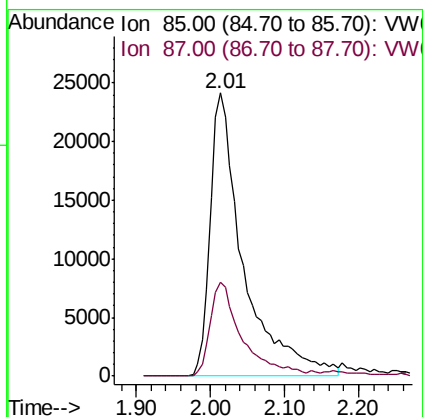
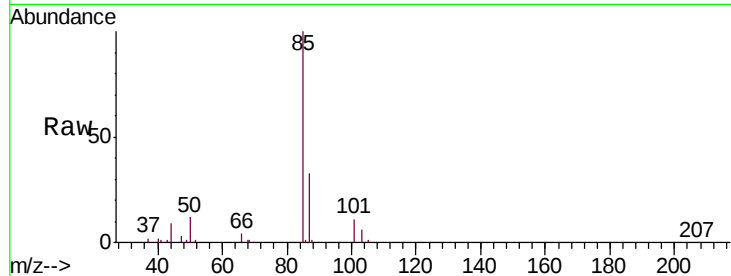
BFB27

Tgt Ion: 85 Resp: 74469

Ion Ratio Lower Upper

85 100

87 31.8 22.1 41.1



#3

Chloromethane

Concen: 19.347 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014104.D

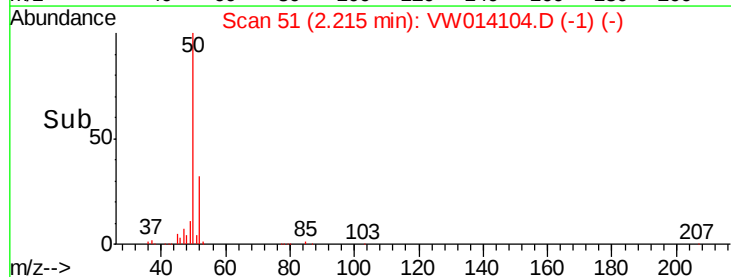
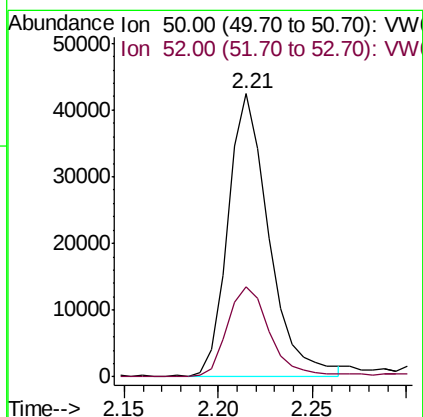
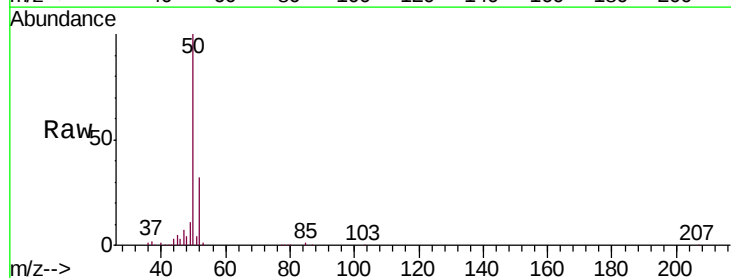
Acq: 25 Nov 2019 10:47

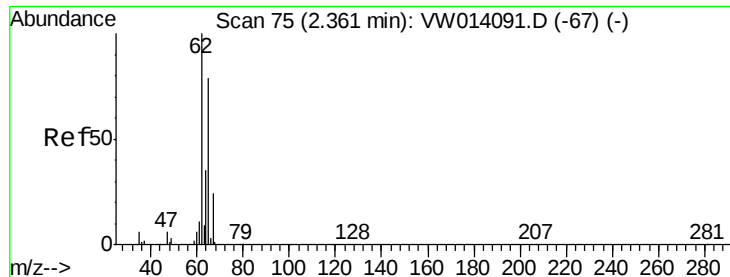
Tgt Ion: 50 Resp: 63449

Ion Ratio Lower Upper

50 100

52 31.7 23.8 44.2





#5

Vinyl chloride

Concen: 23.750 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

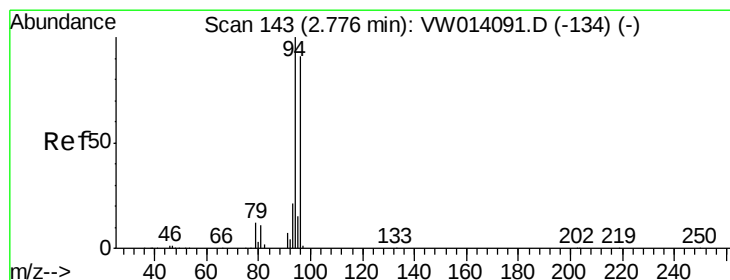
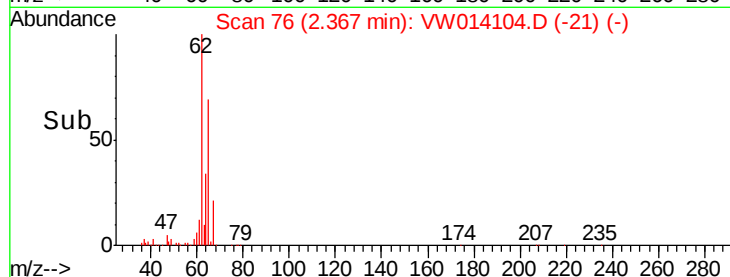
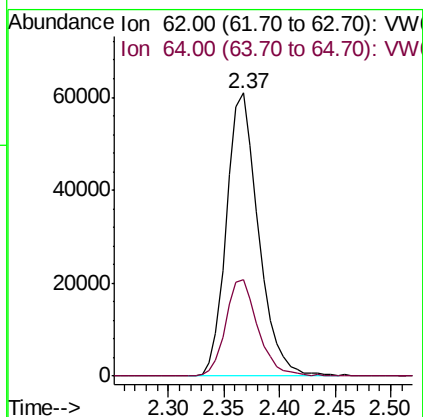
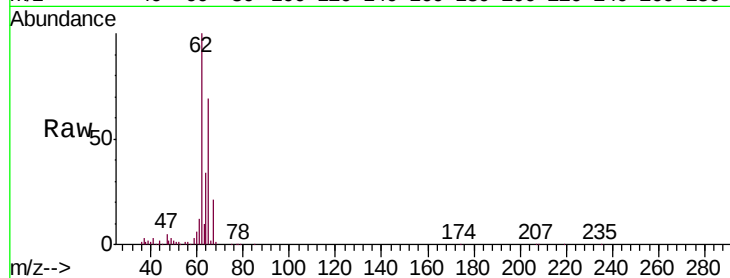
BFB27

Tgt Ion: 62 Resp: 121617

Ion Ratio Lower Upper

62 100

64 34.2 21.8 40.4



#6

Bromomethane

Concen: 23.985 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW014104.D

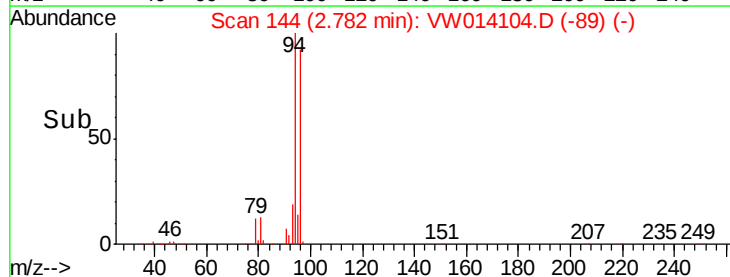
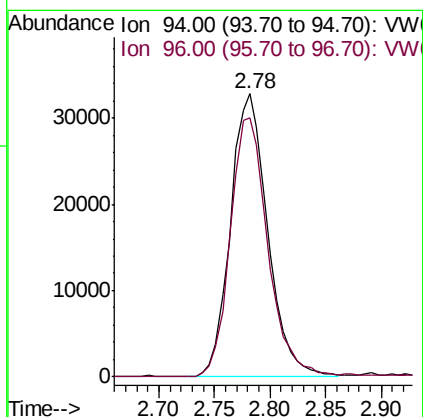
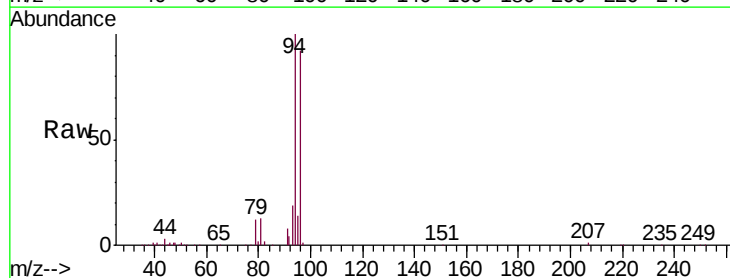
Acq: 25 Nov 2019 10:47

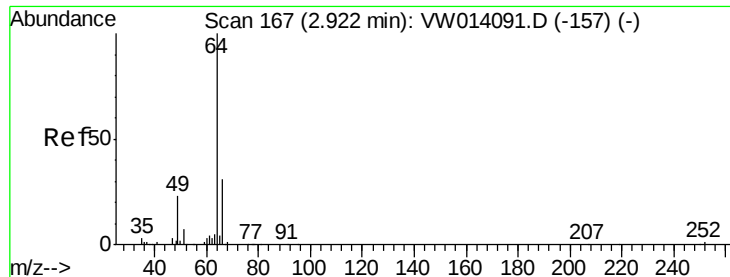
Tgt Ion: 94 Resp: 76040

Ion Ratio Lower Upper

94 100

96 92.6 9.4 178.8





#8

Chloroethane

Concen: 23.705 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

Instrument :

MSVOA_W

ClientSampled :

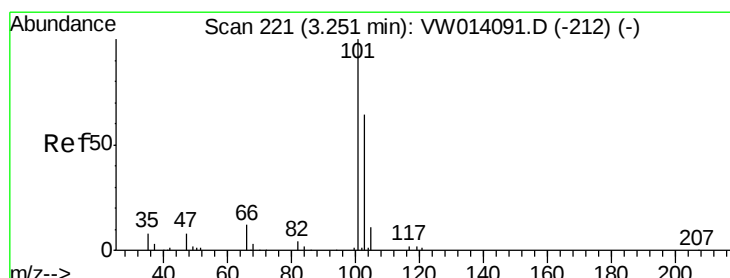
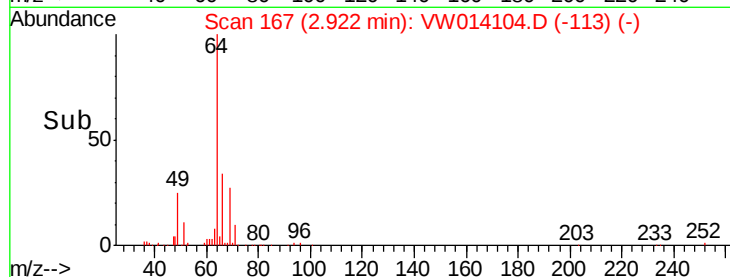
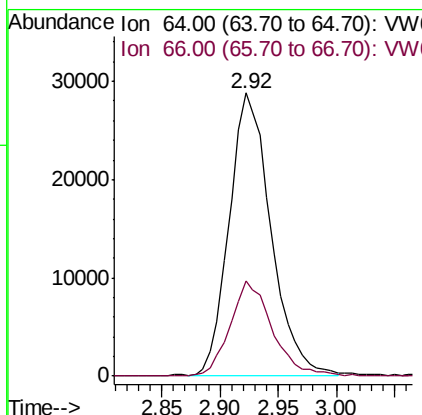
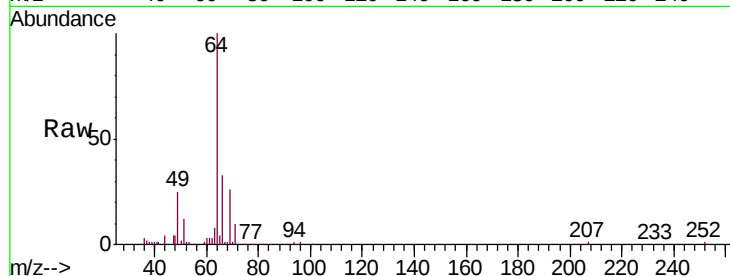
BFB27

Tgt Ion: 64 Resp: 72202

Ion Ratio Lower Upper

64 100

66 33.5 21.2 39.4



#9

Trichlorofluoromethane

Concen: 21.500 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW014104.D

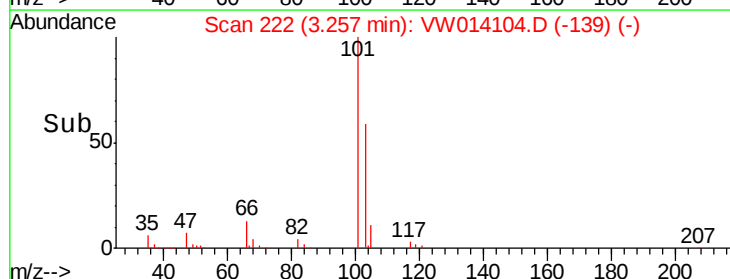
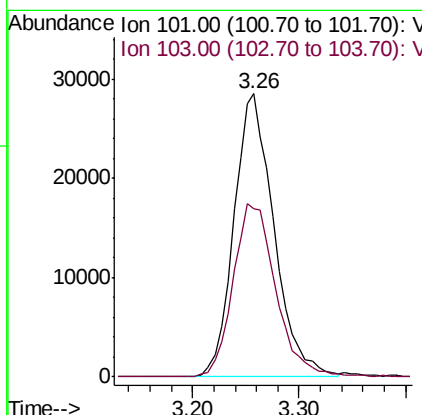
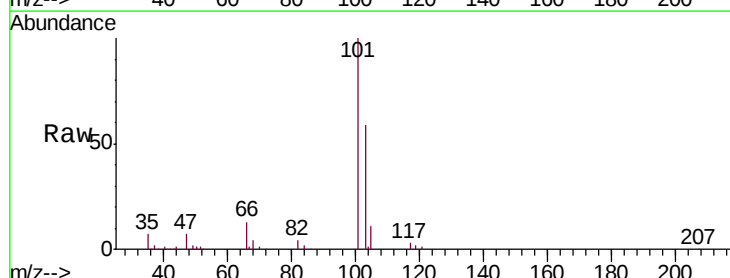
Acq: 25 Nov 2019 10:47

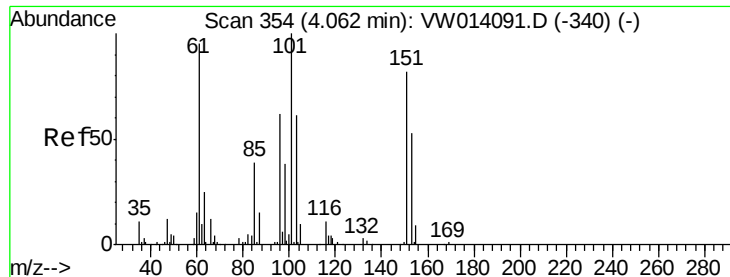
Tgt Ion: 101 Resp: 75071

Ion Ratio Lower Upper

101 100

103 64.9 45.4 84.2





#11

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

Concen: 24.197 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014104.D

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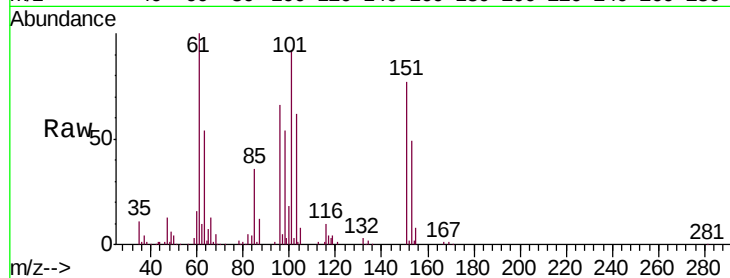
Tgt Ion:101 Resp: 124755

Ion Ratio Lower Upper

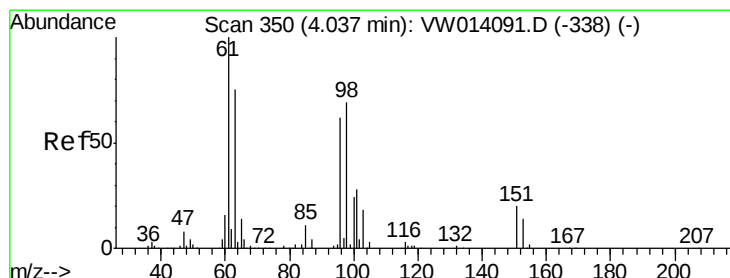
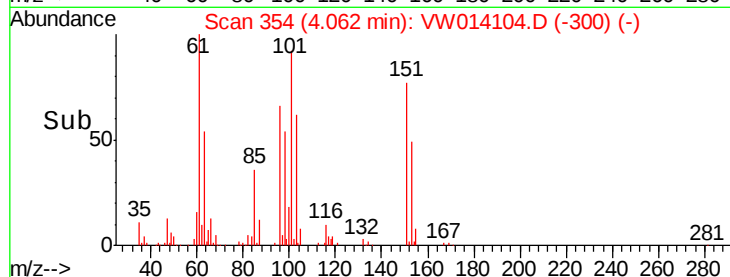
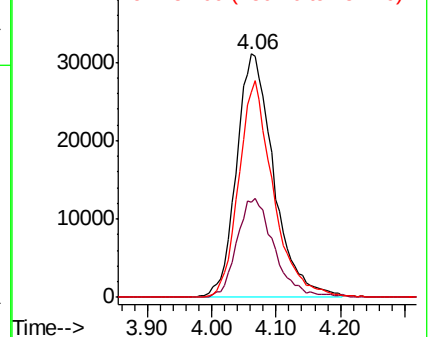
101 100

85 39.7 31.4 47.2

151 82.1 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: 23.682 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

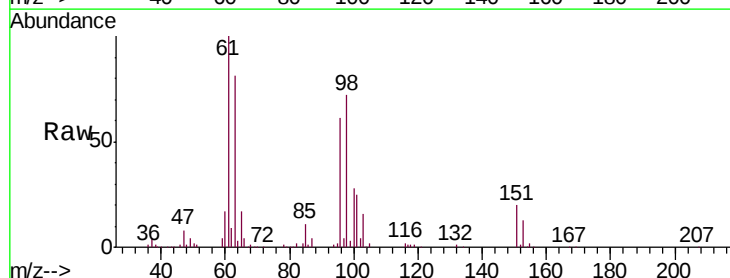
Tgt Ion: 96 Resp: 124117

Ion Ratio Lower Upper

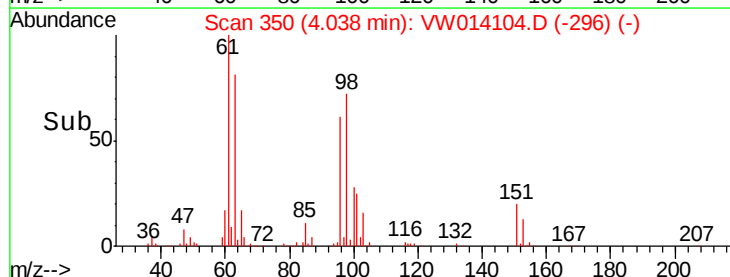
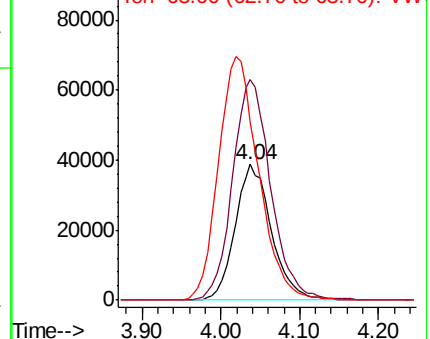
96 100

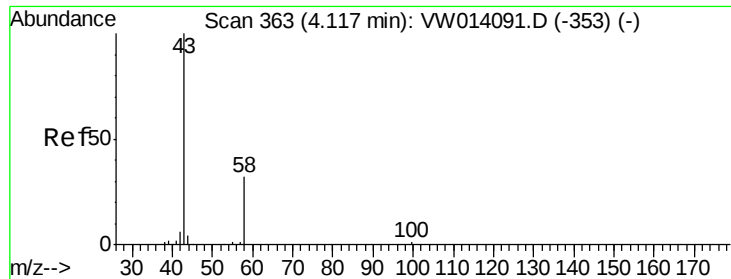
61 162.6 109.8 204.0

63 131.9 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: 45.912 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

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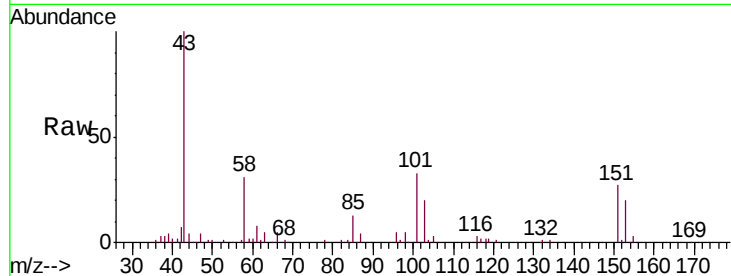
BFB27

Tgt Ion: 43 Resp: 67229

Ion Ratio Lower Upper

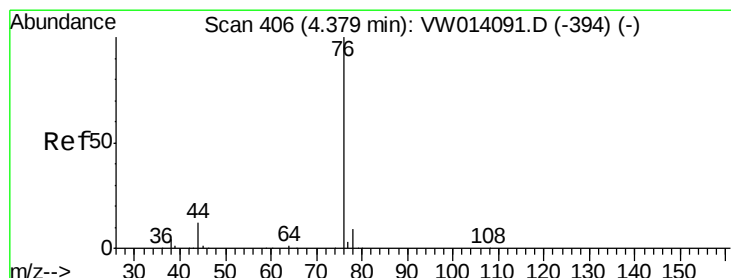
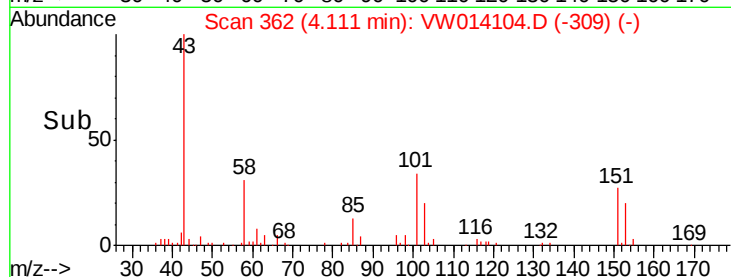
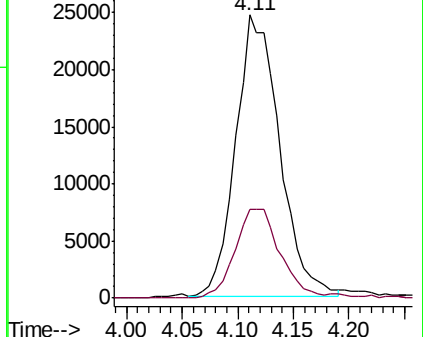
43 100

58 32.5 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.970 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014104.D

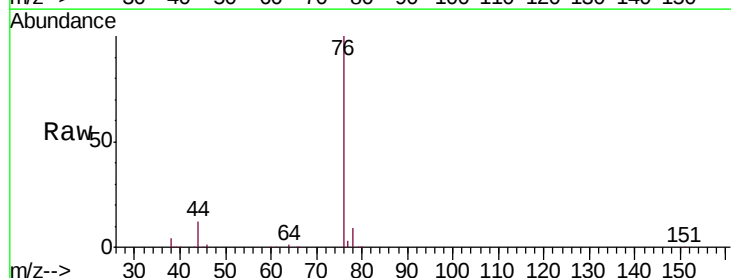
Acq: 25 Nov 2019 10:47

Tgt Ion: 76 Resp: 342630

Ion Ratio Lower Upper

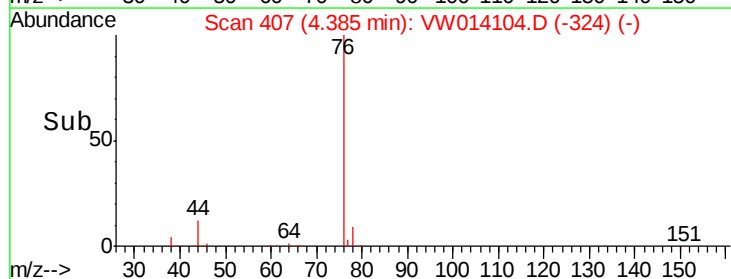
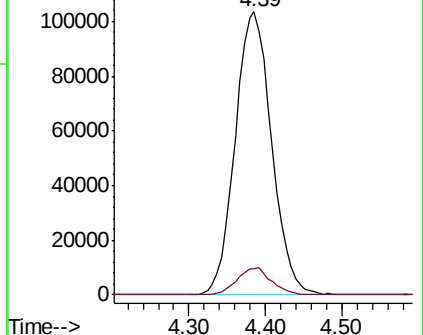
76 100

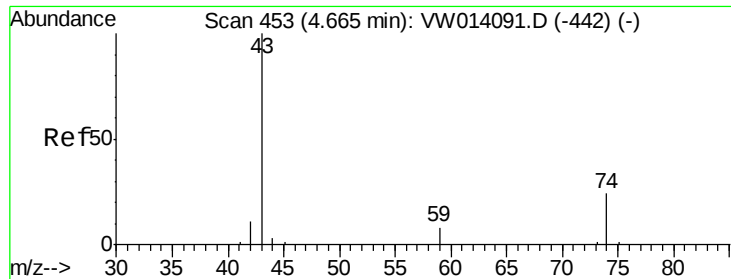
78 9.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 25.329 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

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MSVOA_W

ClientSampleId :

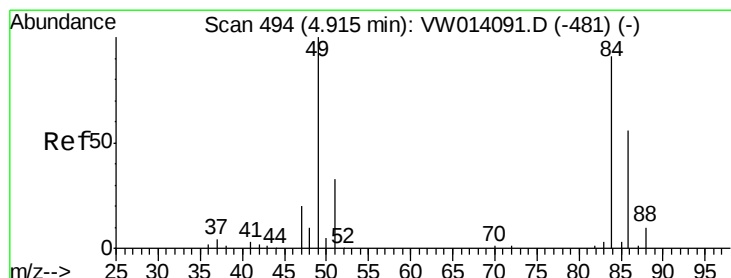
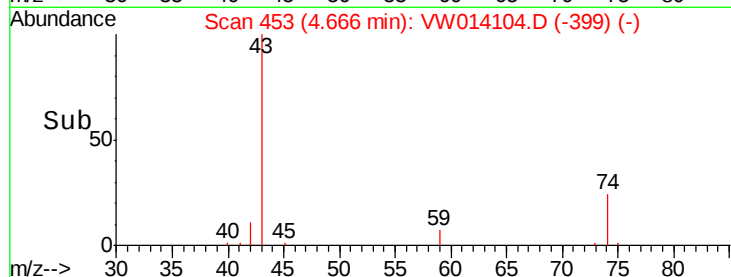
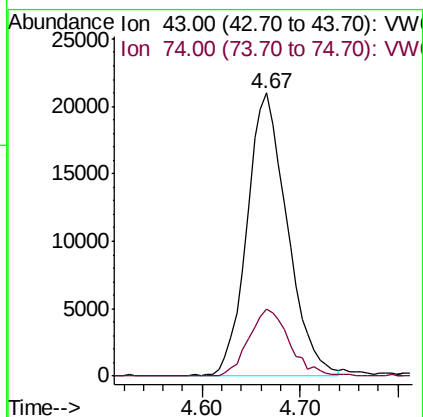
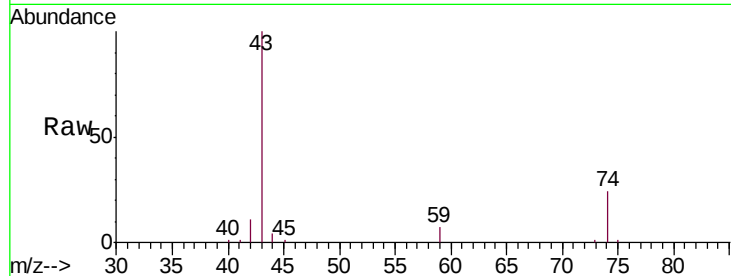
BFB27

Tgt Ion: 43 Resp: 60010

Ion Ratio Lower Upper

43 100

74 23.8 19.3 28.9



#16

Methylene chloride

Concen: 23.226 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

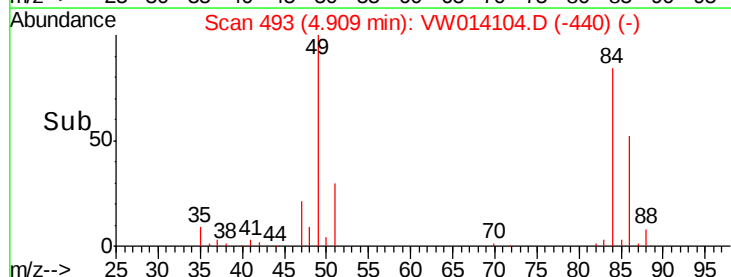
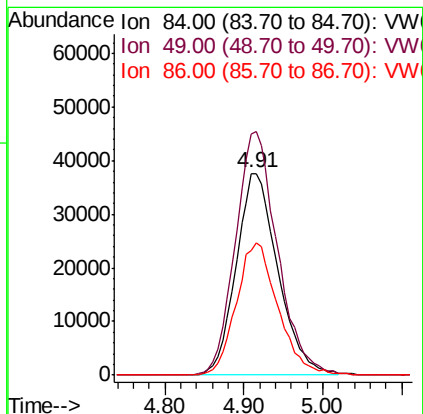
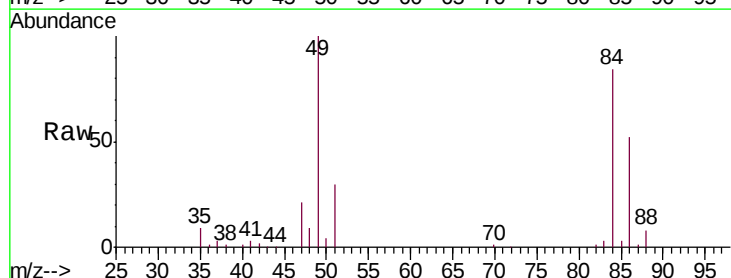
Tgt Ion: 84 Resp: 138817

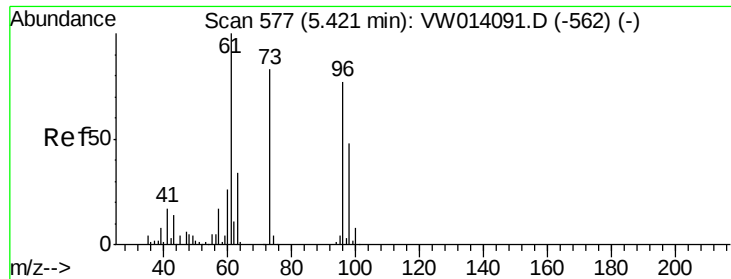
Ion Ratio Lower Upper

84 100

49 119.3 84.2 156.4

86 61.5 43.7 81.1

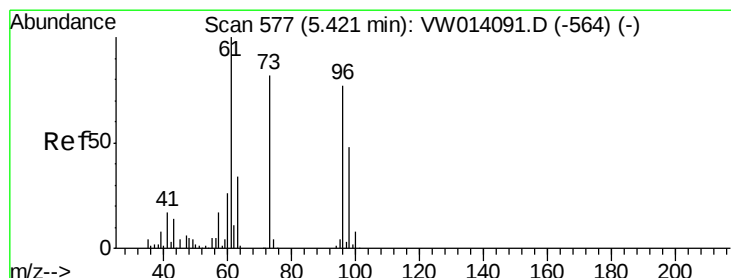
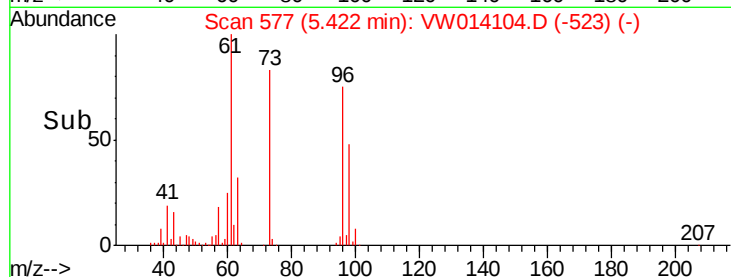
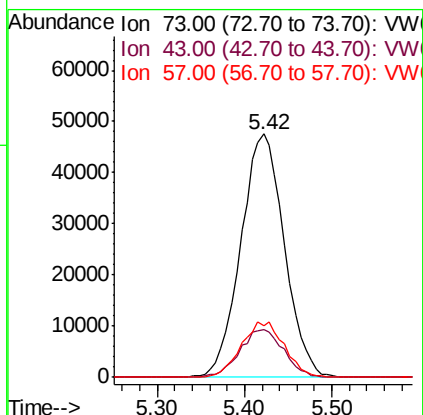
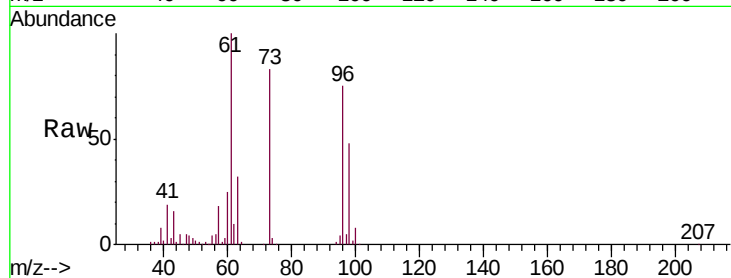




#17
Methyl tert-butyl Ether
Concen: 24.263 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014104.D
Acq: 25 Nov 2019 10:47

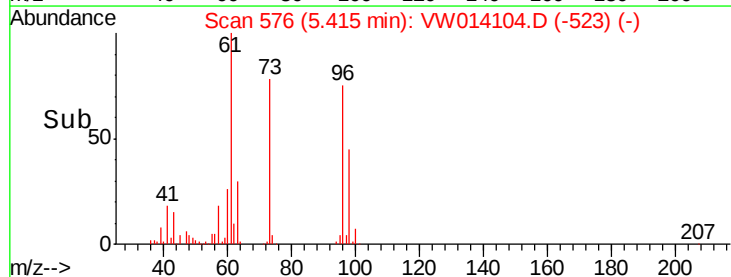
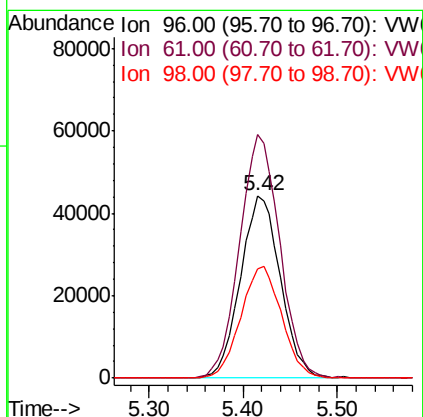
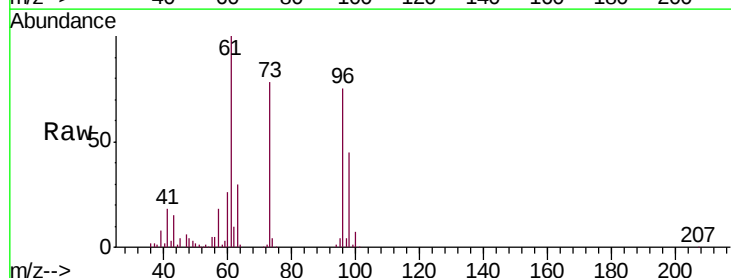
Instrument :
MSVOA_W
ClientSampled :
BFB27

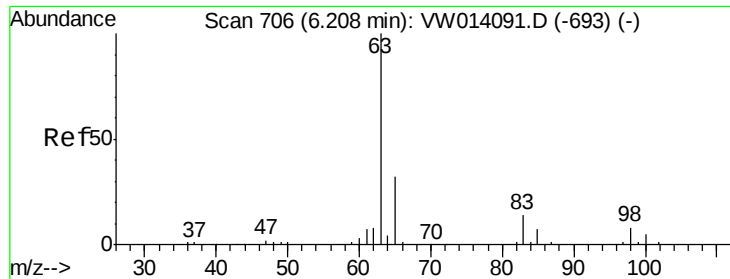
Tgt Ion: 73 Resp: 164046
Ion Ratio Lower Upper
73 100
43 19.8 15.5 23.3
57 22.6 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 23.974 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014104.D
Acq: 25 Nov 2019 10:47

Tgt Ion: 96 Resp: 131022
Ion Ratio Lower Upper
96 100
61 133.3 90.6 168.2
98 60.0 42.9 79.7

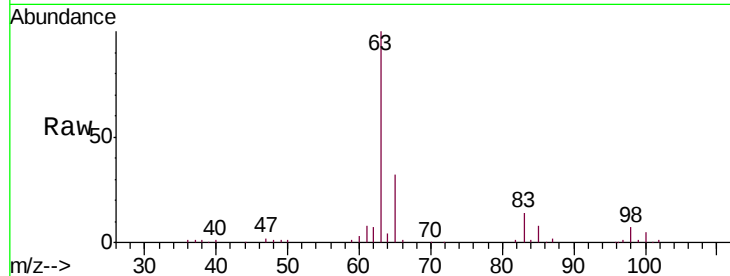




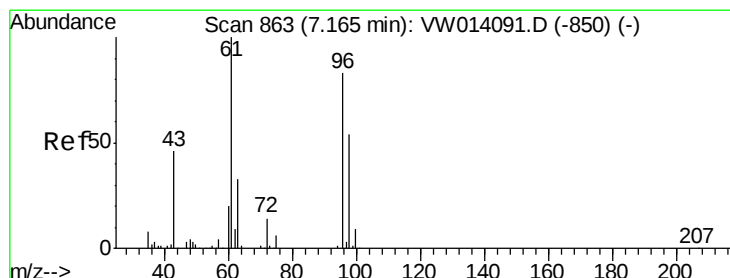
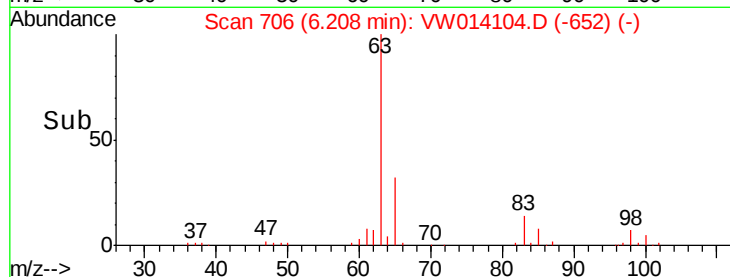
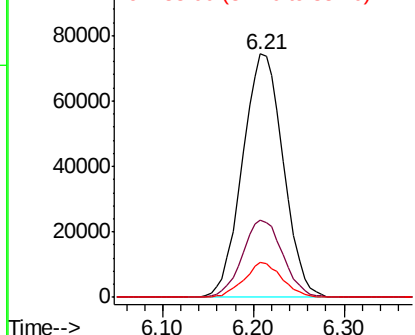
#19
 1,1-Dichloroethane
 Concen: 25.095 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW014104.D
 Acq: 25 Nov 2019 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB27

Tgt Ion: 63 Resp: 231016
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.1 41.1
 83 14.1 9.0 16.6

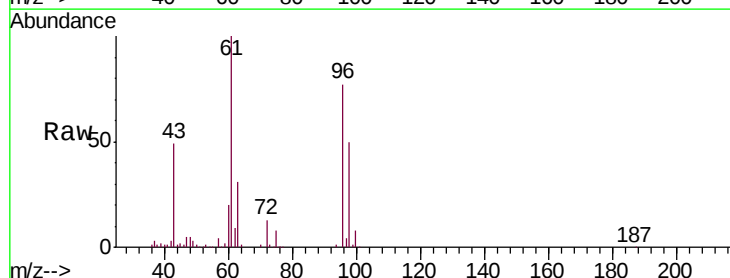


Abundance Ion 63.00 (62.70 to 63.70): VW
 100000 Ion 65.00 (64.70 to 65.70): VW
 80000 Ion 83.00 (82.70 to 83.70): VW

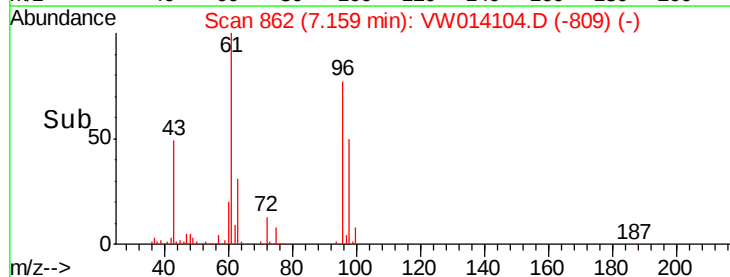
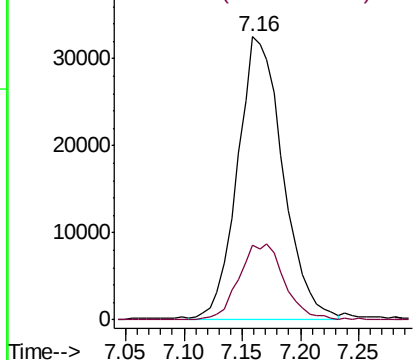


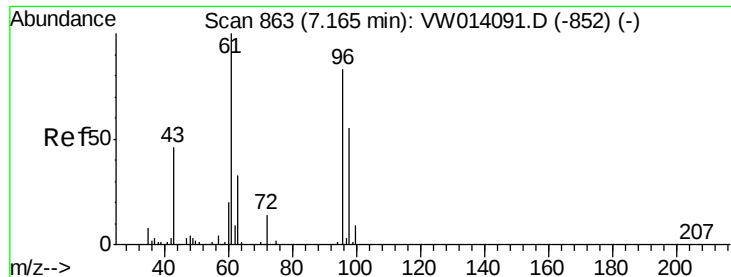
#21
 2-Butanone
 Concen: 46.772 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW014104.D
 Acq: 25 Nov 2019 10:47

Tgt Ion: 43 Resp: 87990
 Ion Ratio Lower Upper
 43 100
 72 26.9 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW
 30000 Ion 72.00 (71.70 to 72.70): VW



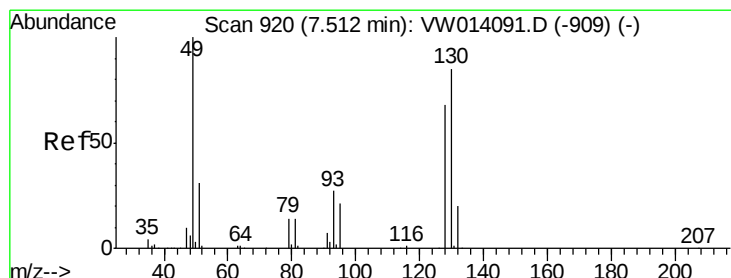
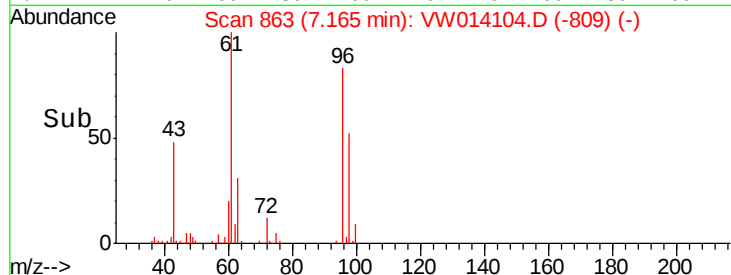
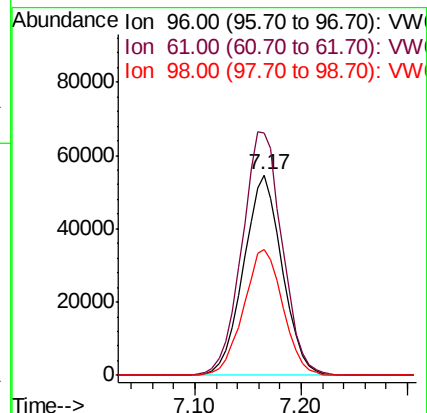
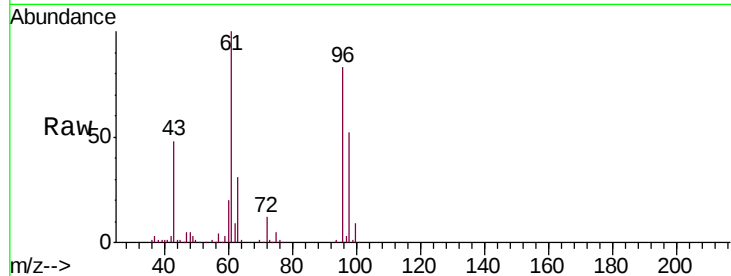


#22

cis-1,2-Dichloroethene
Concen: 24.185 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014104.D
Acq: 25 Nov 2019 10:47

Instrument :
MSVOA_W
ClientSampled :
BFB27

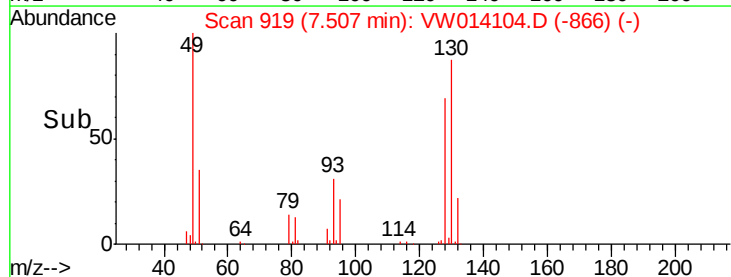
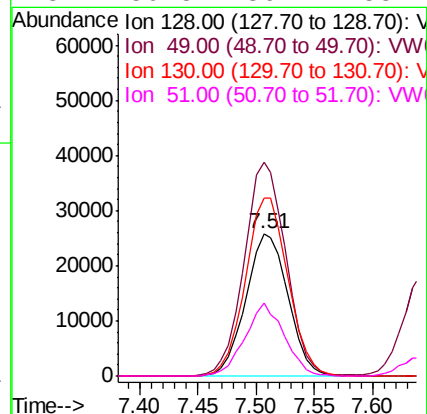
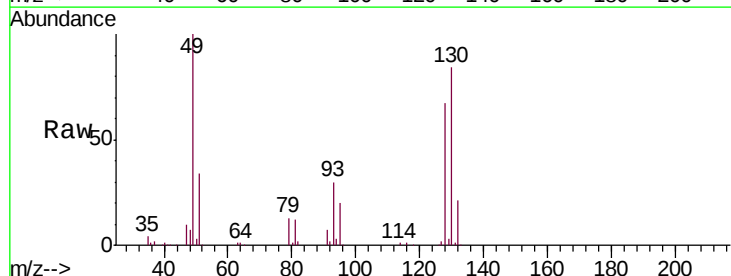
Tgt Ion: 96 Resp: 139090
Ion Ratio Lower Upper
96 100
61 120.6 86.9 161.5
98 62.9 45.5 84.5

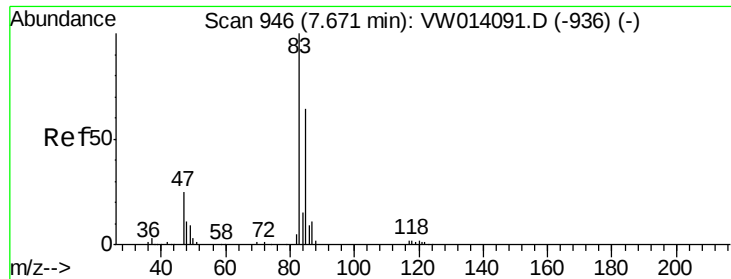


#23

Bromochloromethane
Concen: 25.808 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014104.D
Acq: 25 Nov 2019 10:47

Tgt Ion: 128 Resp: 65154
Ion Ratio Lower Upper
128 100
49 149.8 95.1 176.5
130 125.2 85.0 158.0
51 50.8 36.7 55.1





#25

Chloroform

Concen: 25.311 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

Instrument :

MSVOA_W

ClientSampled :

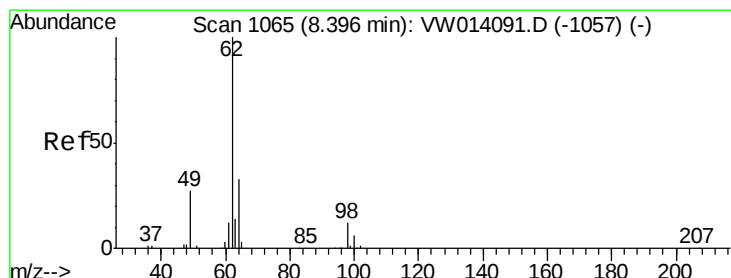
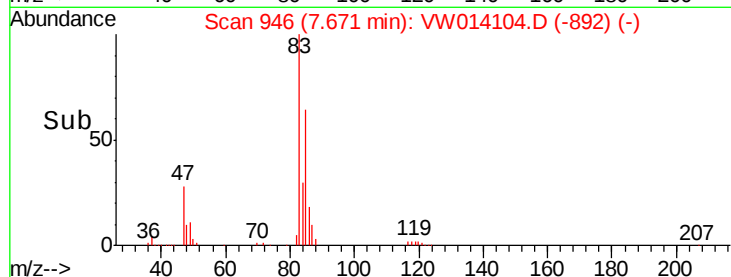
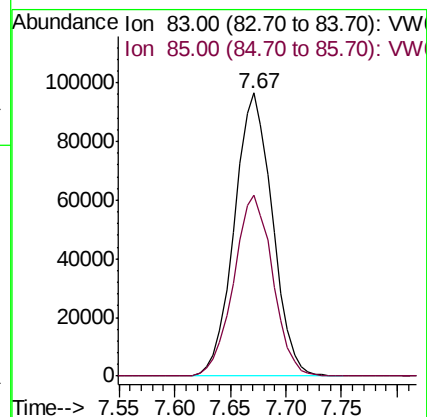
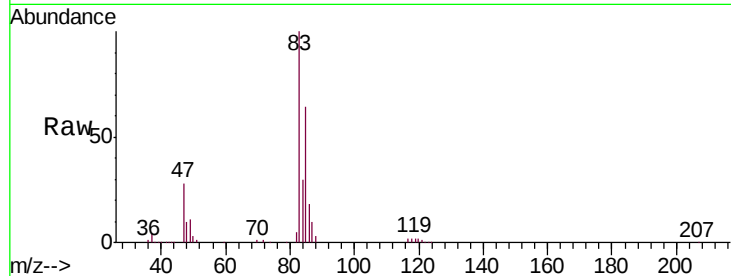
BFB27

Tgt Ion: 83 Resp: 228815

Ion Ratio Lower Upper

83 100

85 65.5 46.1 85.7



#27

1,2-Dichloroethane

Concen: 27.034 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014104.D

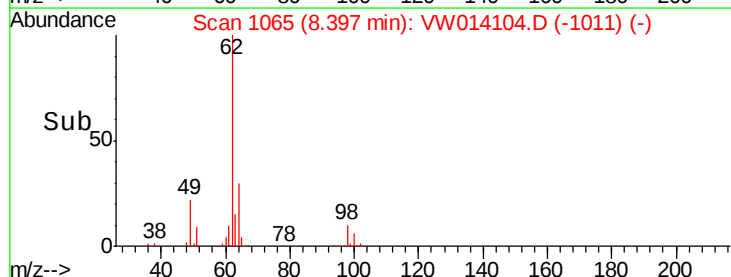
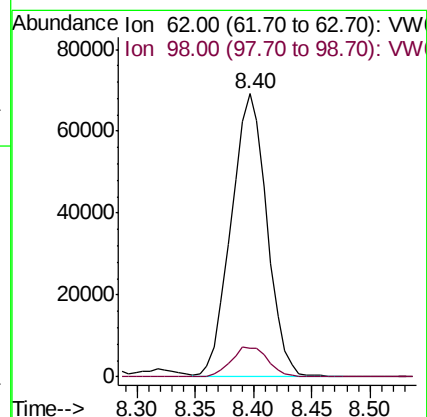
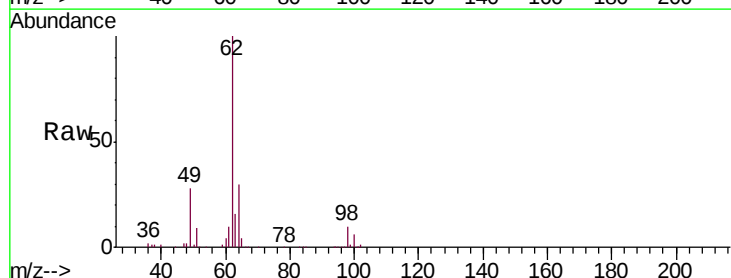
Acq: 25 Nov 2019 10:47

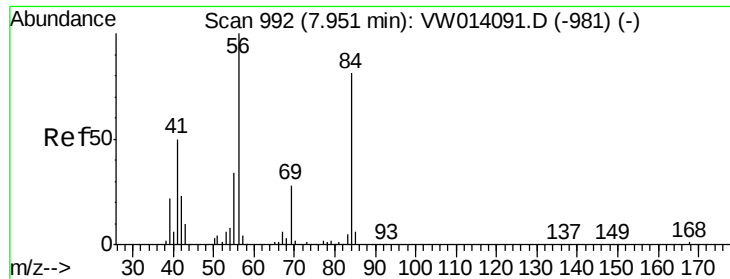
Tgt Ion: 62 Resp: 147962

Ion Ratio Lower Upper

62 100

98 10.3 9.3 13.9

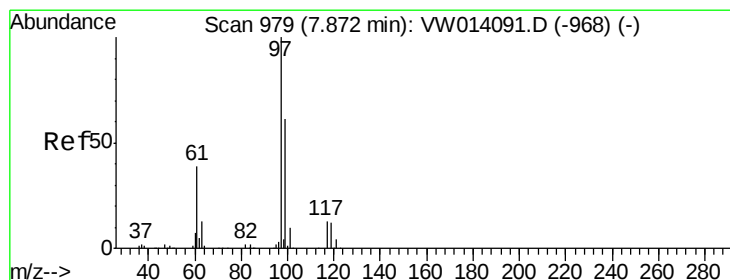
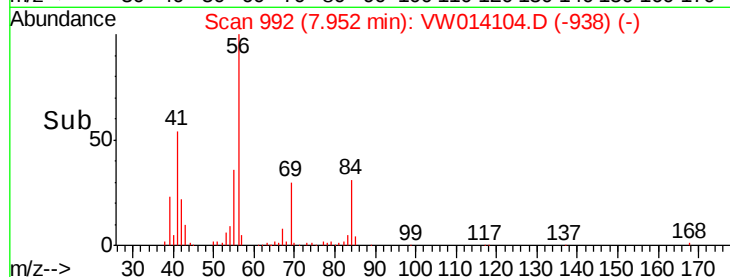
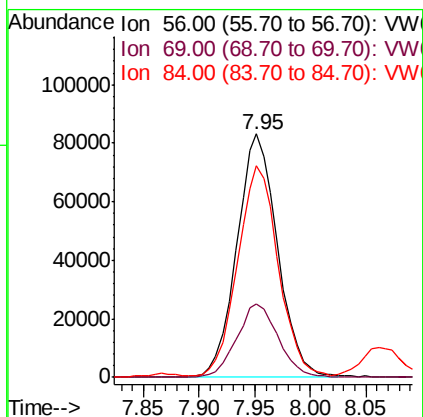
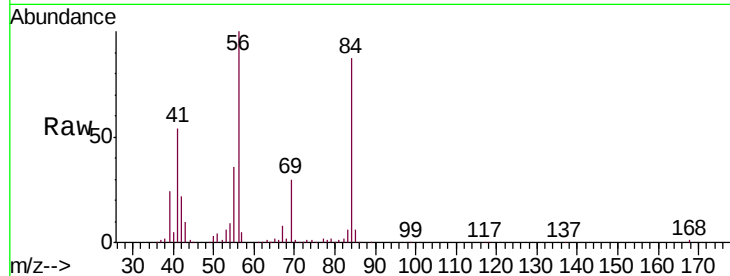




#30
Cyclohexane
Concen: 21.997 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014104.D
Acq: 25 Nov 2019 10:47

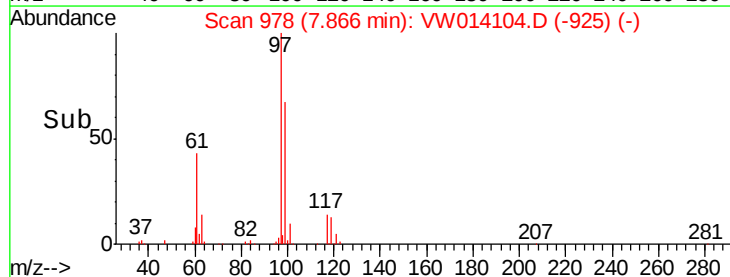
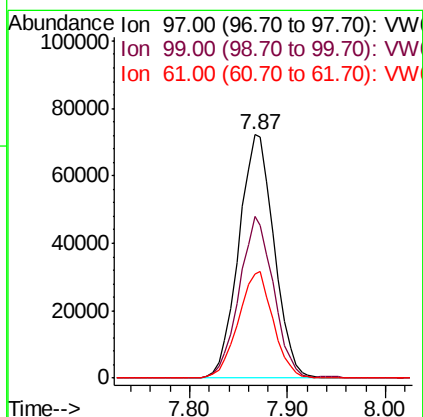
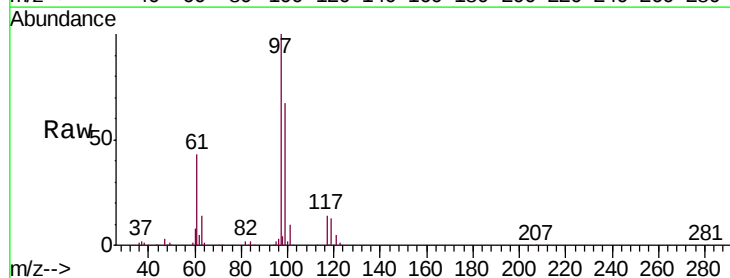
Instrument :
MSVOA_W
ClientSampled :
BFB27

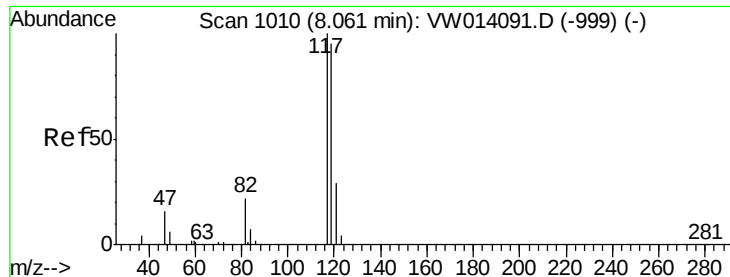
Tgt Ion: 56 Resp: 210756
Ion Ratio Lower Upper
56 100
69 30.9 24.6 37.0
84 87.6 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 24.051 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014104.D
Acq: 25 Nov 2019 10:47

Tgt Ion: 97 Resp: 180454
Ion Ratio Lower Upper
97 100
99 64.6 51.1 76.7
61 43.1 32.8 49.2





#32

Carbon tetrachloride

Concen: 24.050 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

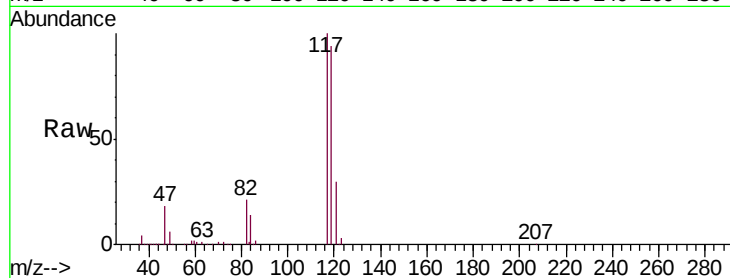
BFB27

Tgt Ion:117 Resp: 173217

Ion Ratio Lower Upper

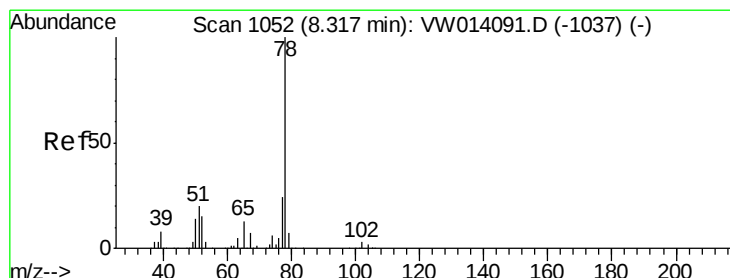
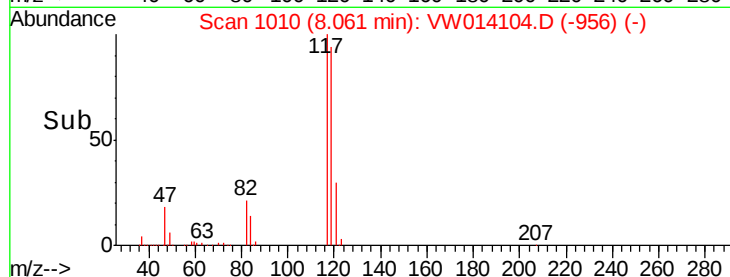
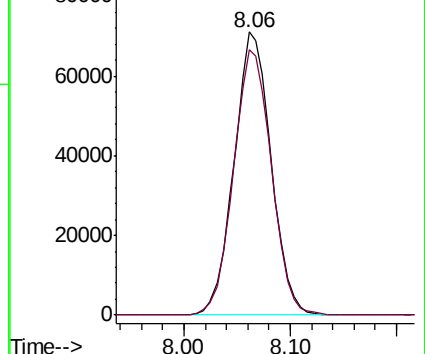
117 100

119 95.8 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: 24.048 ug/L

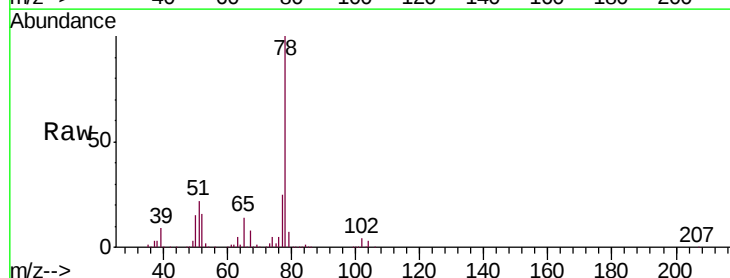
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

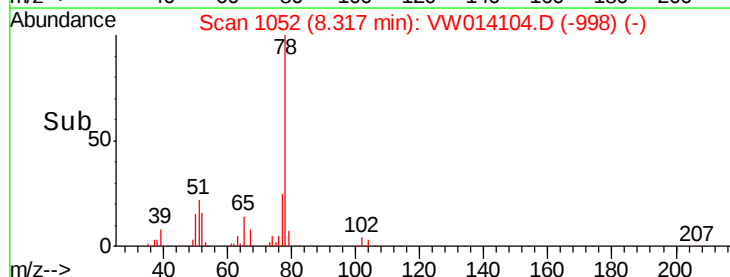
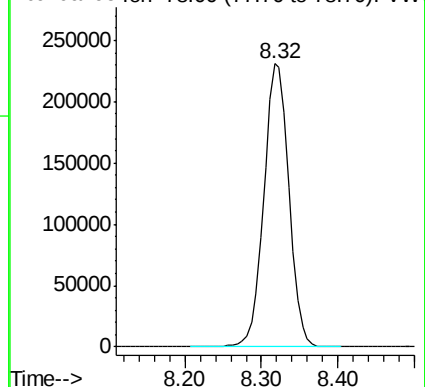
Lab File: VW014104.D

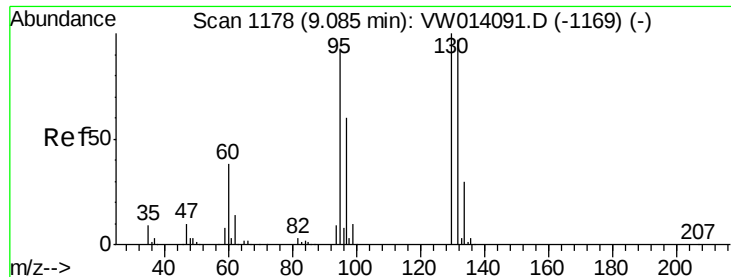
Acq: 25 Nov 2019 10:47

Tgt Ion: 78 Resp: 528100



Abundance Ion 78.00 (77.70 to 78.70): VW

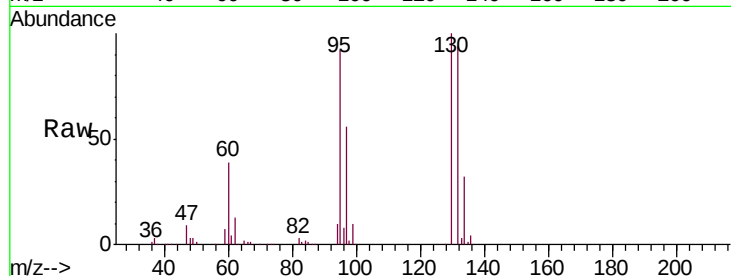




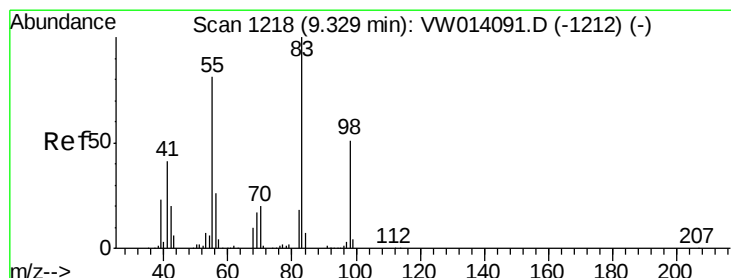
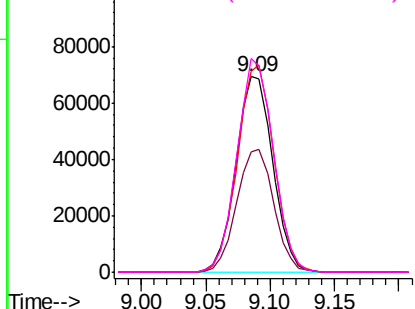
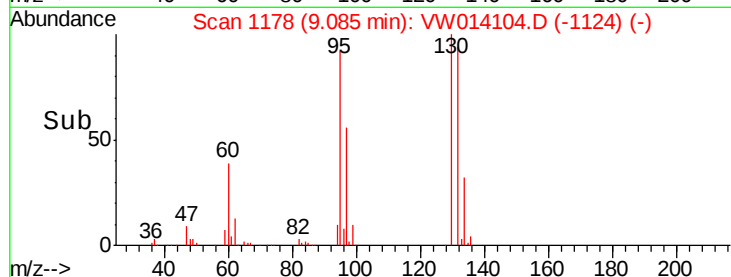
#35
 Trichloroethene
 Concen: 23.553 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014104.D
 Acq: 25 Nov 2019 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB27

Tgt Ion:	95	Resp:	137969
Ion	Ratio	Lower	Upper
95	100		
97	63.3	45.1	83.9
132	104.3	73.7	136.9
130	107.7	76.6	142.2

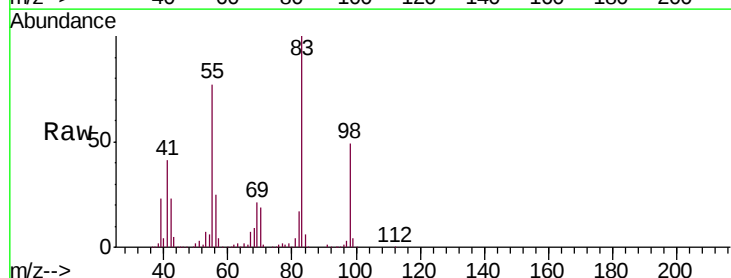


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

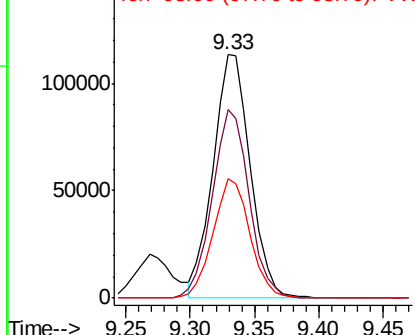
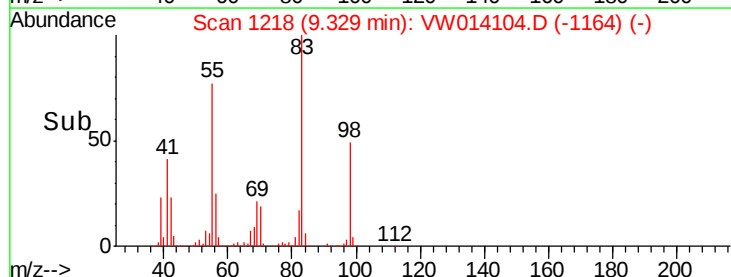


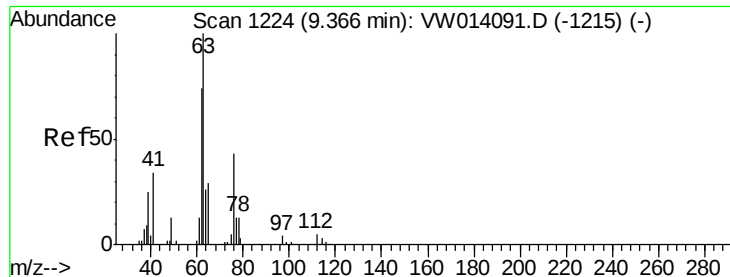
#36
 Methylcyclohexane
 Concen: 21.857 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW014104.D
 Acq: 25 Nov 2019 10:47

Tgt Ion:	83	Resp:	229568
Ion	Ratio	Lower	Upper
83	100		
55	76.7	59.8	89.8
98	48.9	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

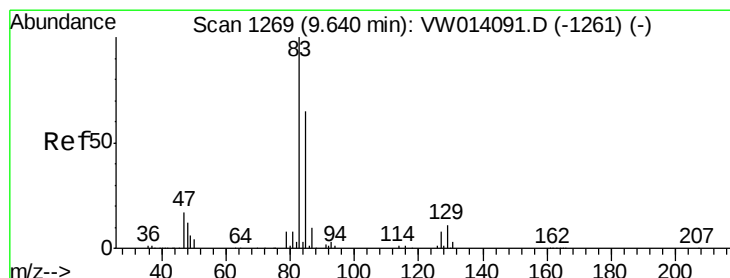
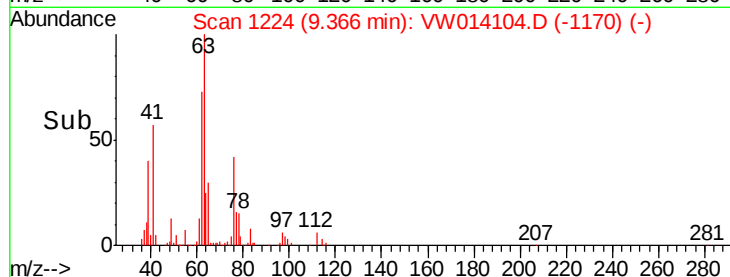
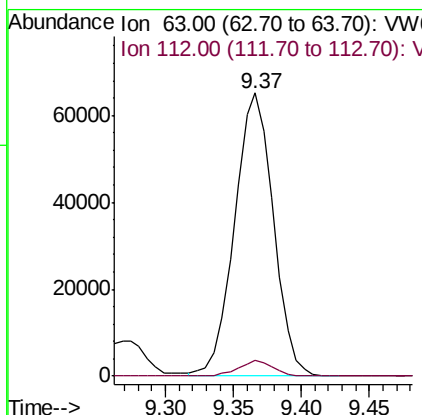
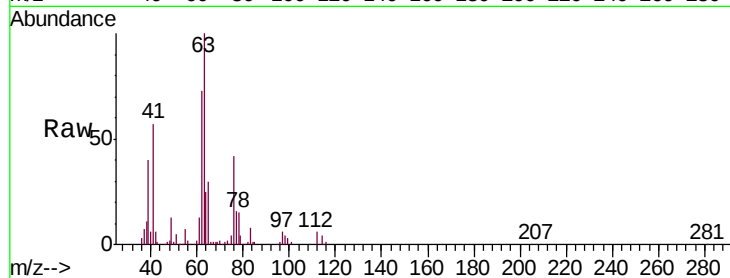




#40
 1,2-Dichloropropane
 Concen: 24.592 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014104.D
 Acq: 25 Nov 2019 10:47

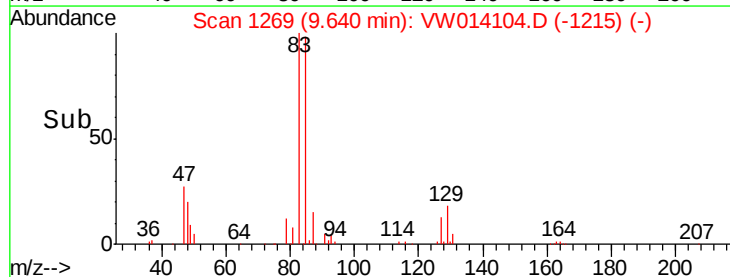
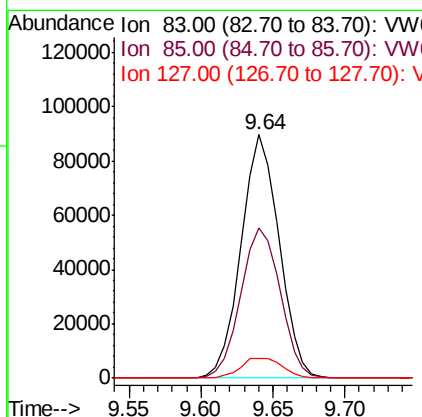
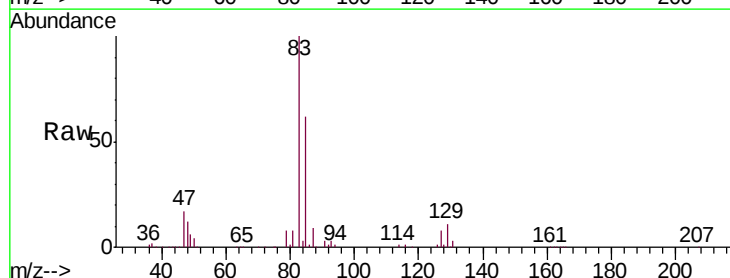
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB27

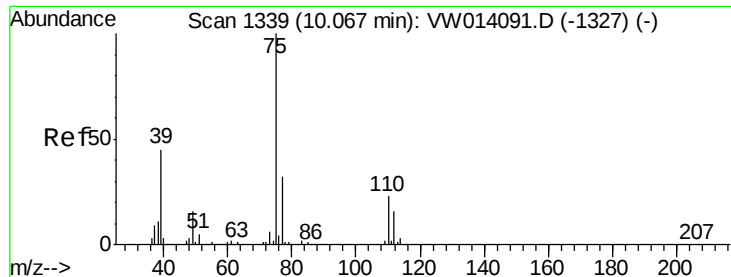
Tgt Ion: 63 Resp: 130000
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.9 5.9



#41
 Bromodichloromethane
 Concen: 25.759 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014104.D
 Acq: 25 Nov 2019 10:47

Tgt Ion: 83 Resp: 164625
 Ion Ratio Lower Upper
 83 100
 85 61.7 45.1 83.7
 127 8.2 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 24.628 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

Instrument :

MSVOA_W

ClientSampled :

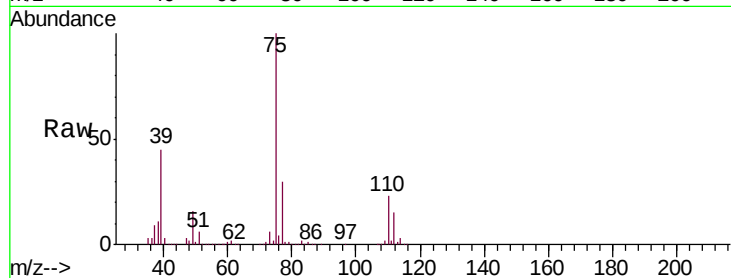
BFB27

Tgt Ion: 75 Resp: 205458

Ion Ratio Lower Upper

75 100

77 30.1 22.1 41.1



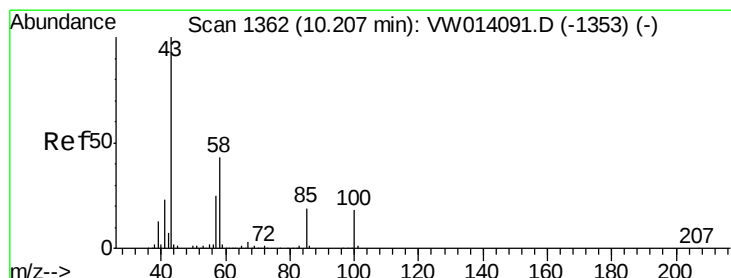
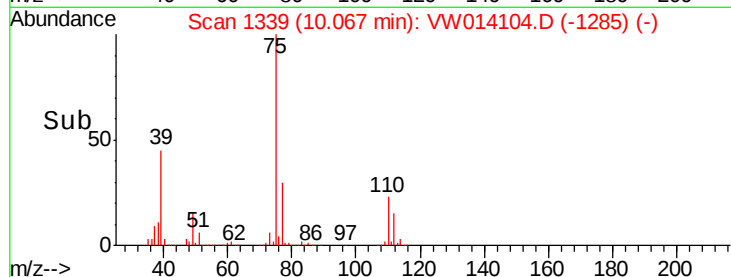
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

10.10

Time-->



#43

4-Methyl-2-pentanone

Concen: 47.872 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

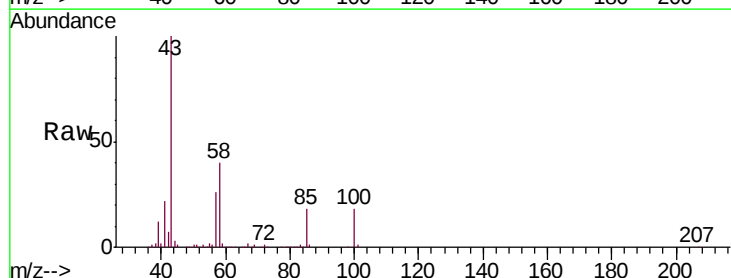
Tgt Ion: 43 Resp: 167090

Ion Ratio Lower Upper

43 100

58 41.3 32.6 49.0

100 17.8 13.8 20.8



Abundance Ion 43.00 (42.70 to 43.70): VW

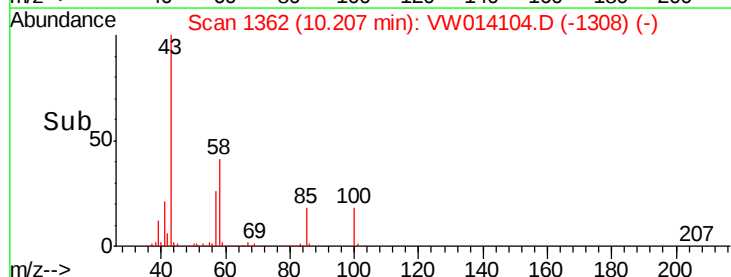
Ion 58.00 (57.70 to 58.70): VW

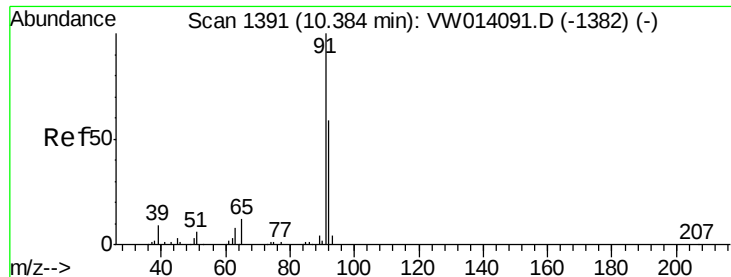
Ion 100.00 (99.70 to 100.70): VW

10.21

10.25

Time-->





#44

Toluene

Concen: 23.977 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

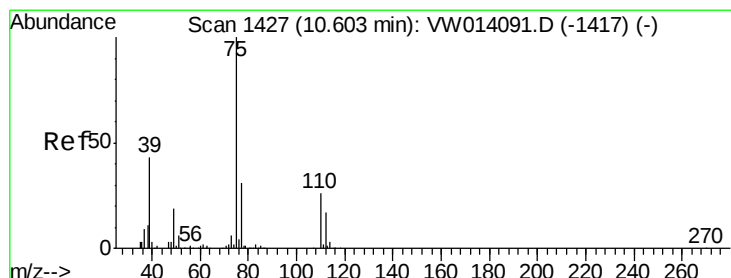
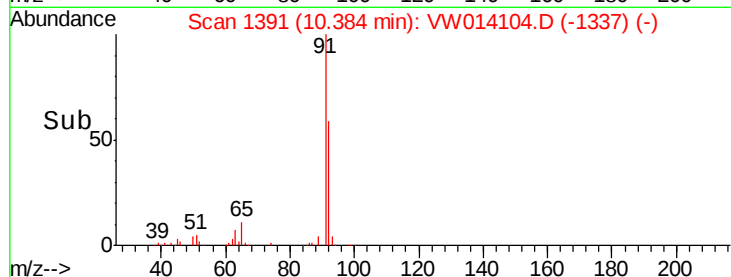
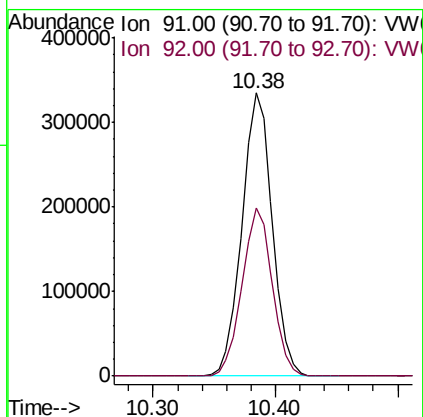
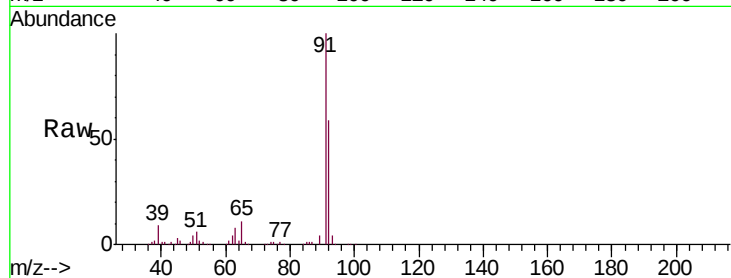
BFB27

Tgt Ion: 91 Resp: 574072

Ion Ratio Lower Upper

91 100

92 59.3 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 24.883 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014104.D

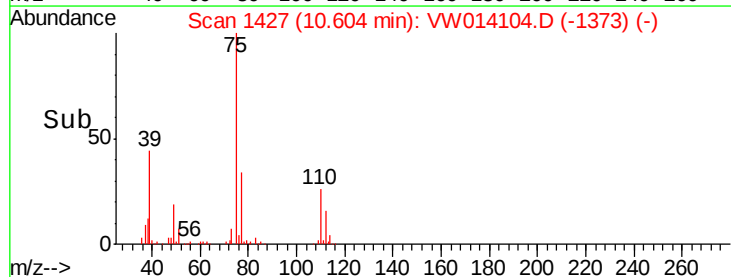
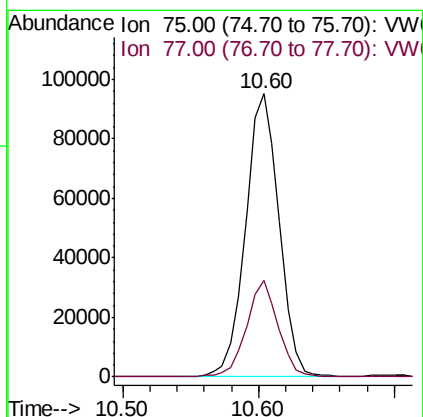
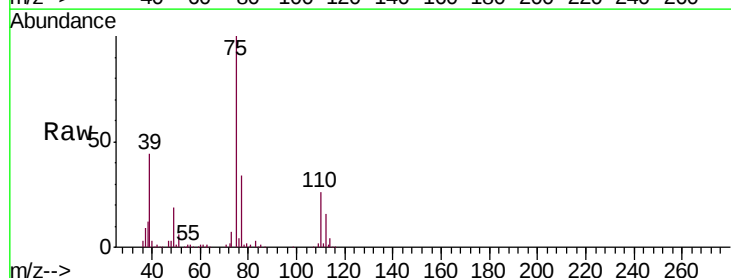
Acq: 25 Nov 2019 10:47

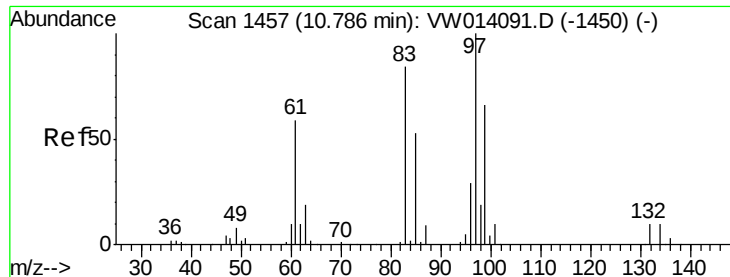
Tgt Ion: 75 Resp: 164154

Ion Ratio Lower Upper

75 100

77 34.1 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 25.073 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

BFB27

Tgt Ion: 97 Resp: 97389

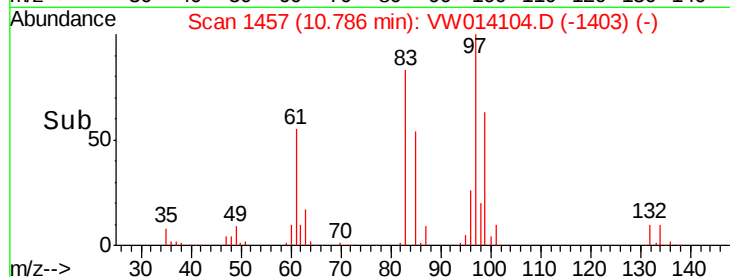
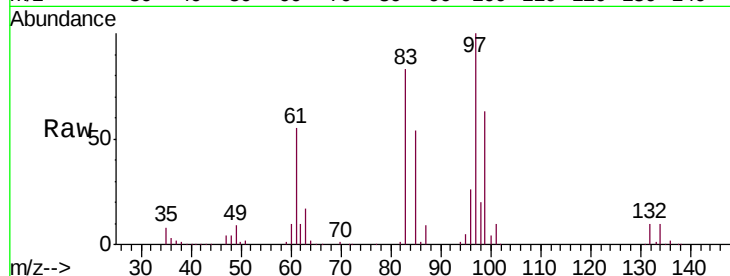
Ion Ratio Lower Upper

97 100

83 83.1 58.9 109.5

85 53.6 38.1 70.9

99 62.9 46.5 86.3

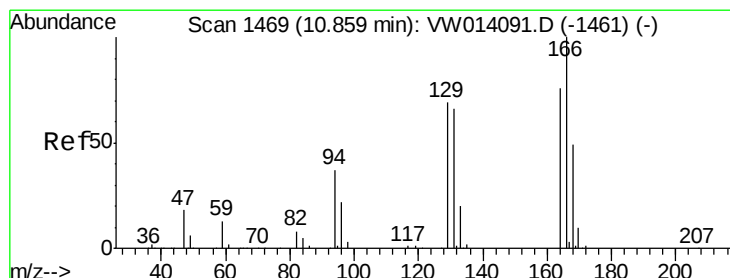
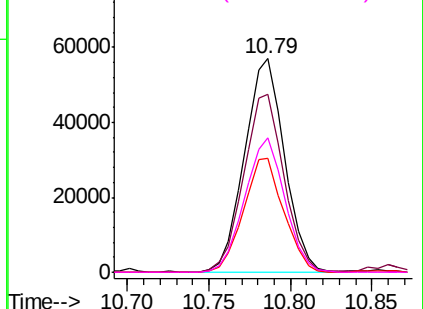


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 23.483 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

Tgt Ion: 164 Resp: 122613

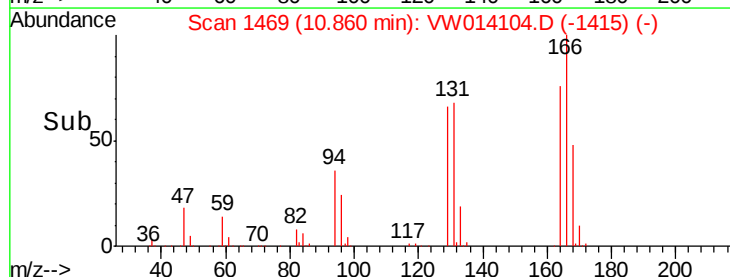
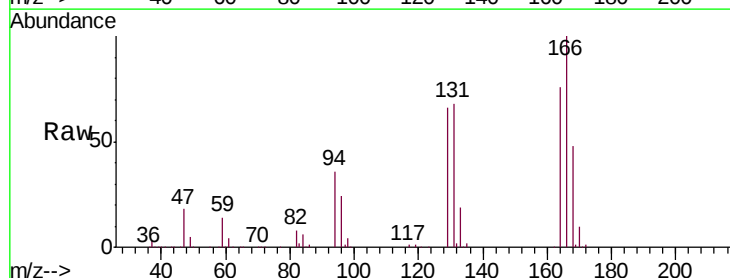
Ion Ratio Lower Upper

164 100

129 86.8 60.6 112.6

131 88.9 59.1 109.7

166 131.3 90.8 168.6

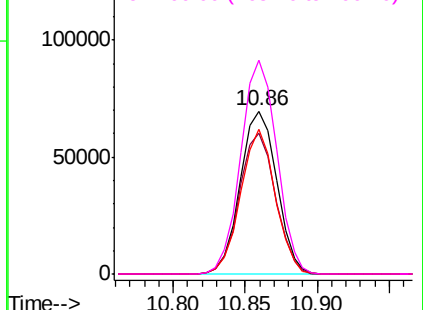


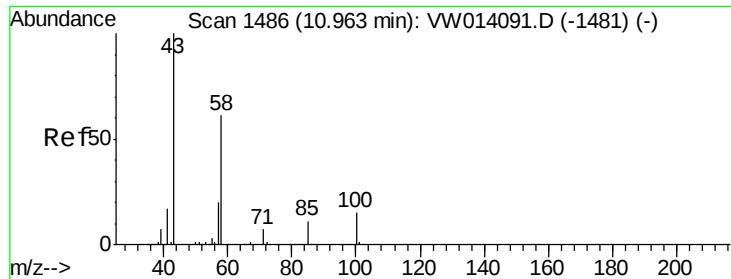
Abundance Ion 164.00 (163.70 to 164.70): V

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

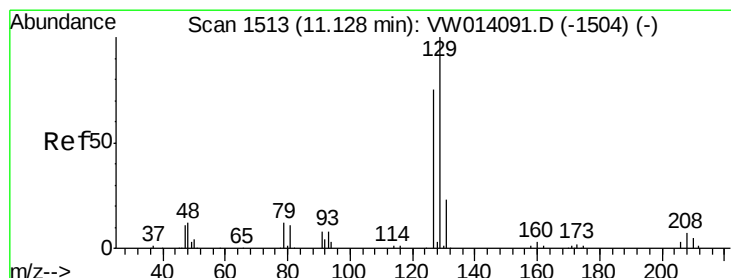
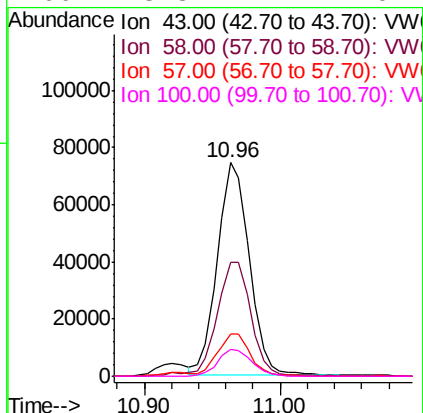
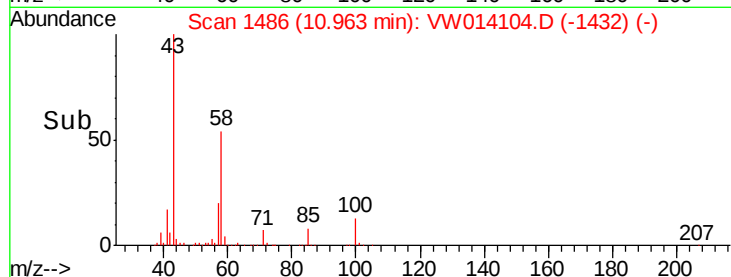
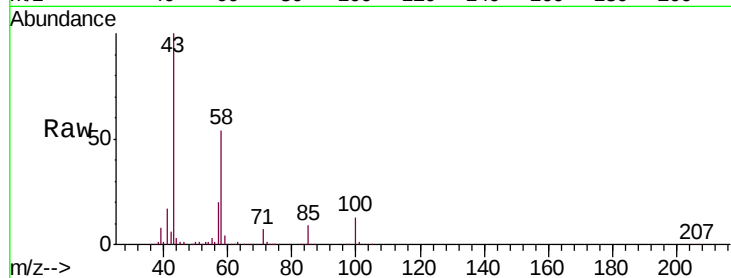




#49
2-Hexanone
Concen: 48.455 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014104.D
Acq: 25 Nov 2019 10:47

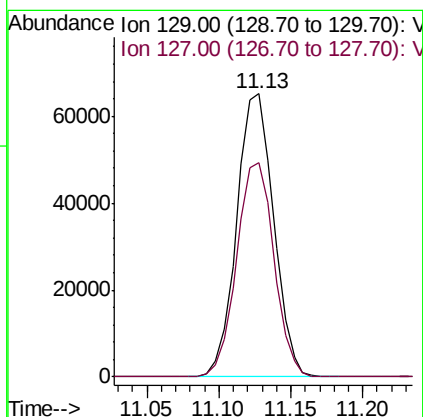
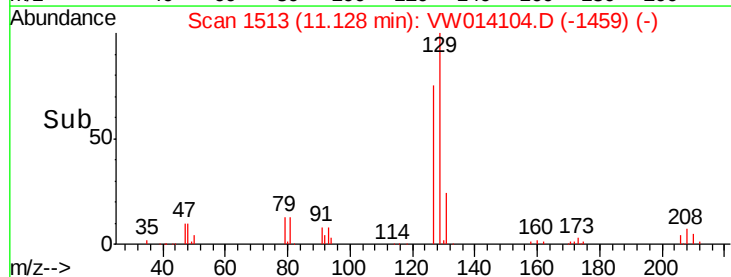
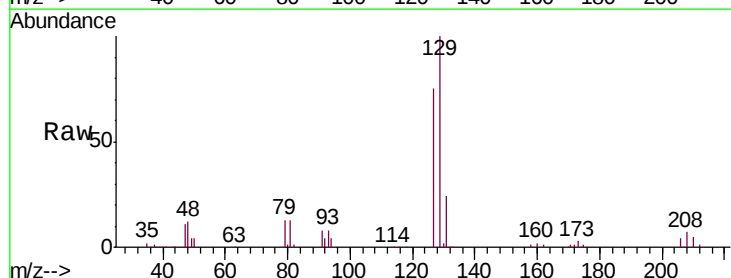
Instrument :
MSVOA_W
ClientSampled :
BFB27

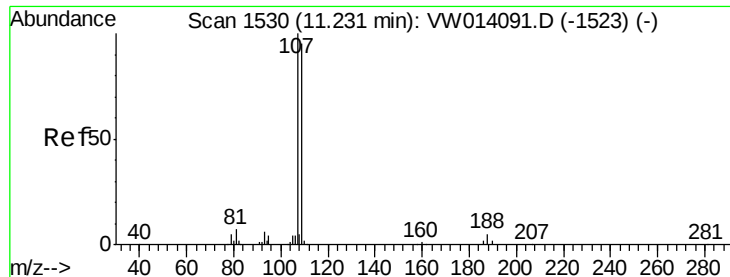
Tgt Ion: 43 Resp: 121932
Ion Ratio Lower Upper
43 100
58 55.6 44.4 66.6
57 20.4 16.5 24.7
100 13.3 11.1 16.7



#50
Dibromochloromethane
Concen: 25.445 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014104.D
Acq: 25 Nov 2019 10:47

Tgt Ion: 129 Resp: 116169
Ion Ratio Lower Upper
129 100
127 75.5 54.9 102.1

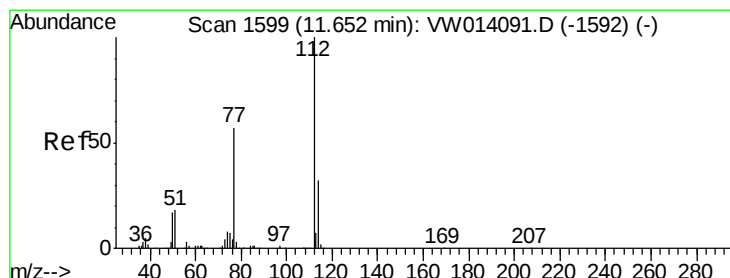
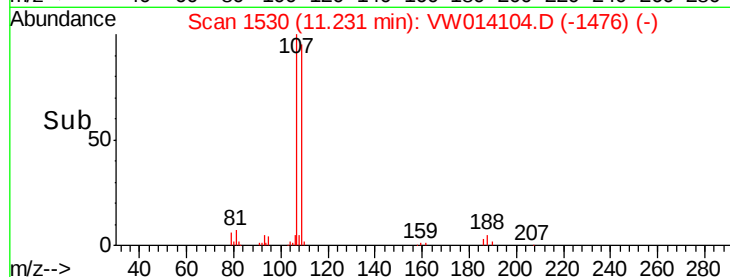
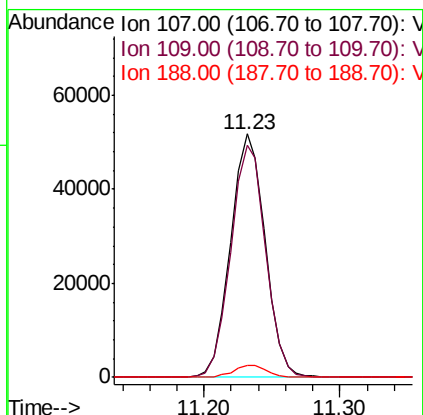
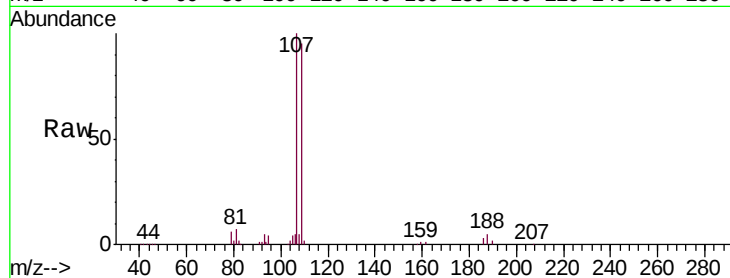




#51
1,2-Dibromoethane
Concen: 24.241 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014104.D
Acq: 25 Nov 2019 10:47

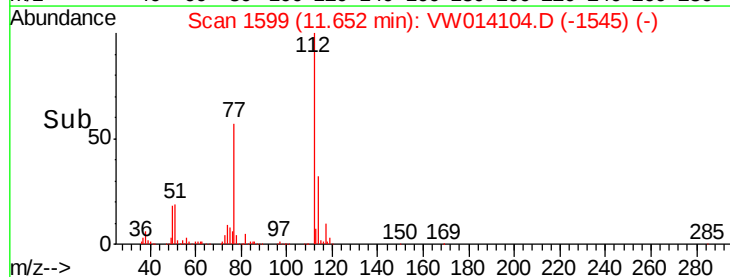
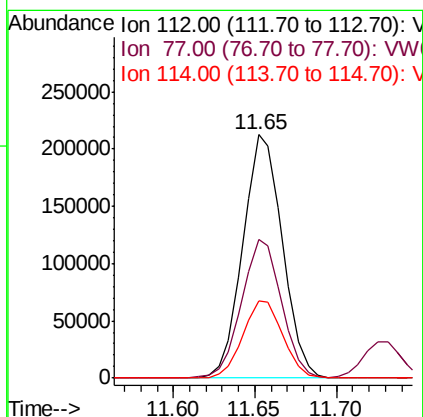
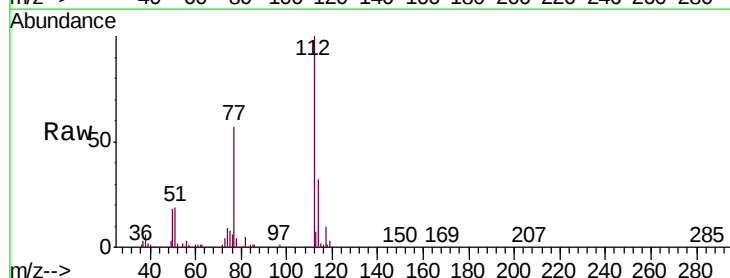
Instrument :
MSVOA_W
ClientSampleId :
BFB27

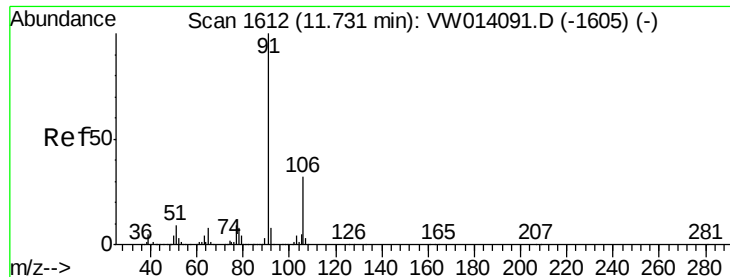
Tgt Ion:107 Resp: 91356
Ion Ratio Lower Upper
107 100
109 95.4 64.6 120.0
188 4.7 3.9 5.9



#52
Chlorobenzene
Concen: 23.855 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014104.D
Acq: 25 Nov 2019 10:47

Tgt Ion:112 Resp: 358058
Ion Ratio Lower Upper
112 100
77 57.1 42.2 63.4
114 31.8 22.5 41.9





#53

Ethylbenzene

Concen: 24.073 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

Instrument :

MSVOA_W

ClientSampled :

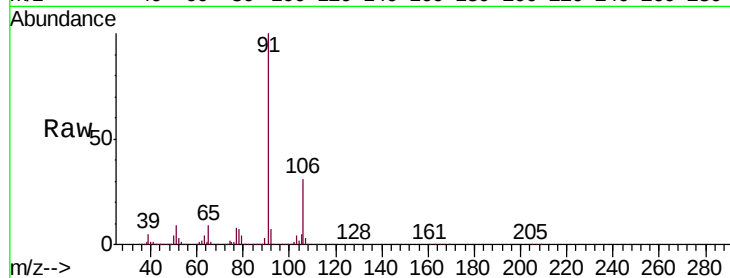
BFB27

Tgt Ion: 91 Resp: 632474

Ion Ratio Lower Upper

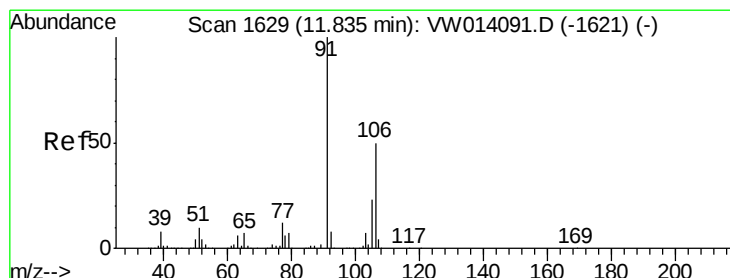
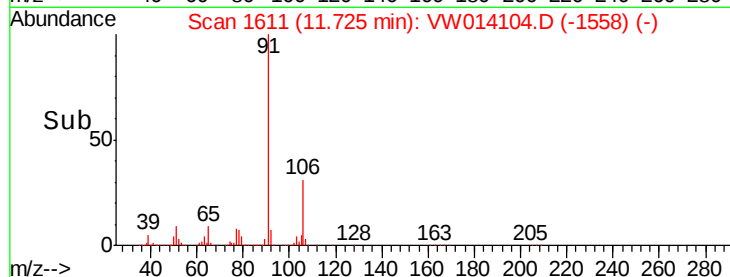
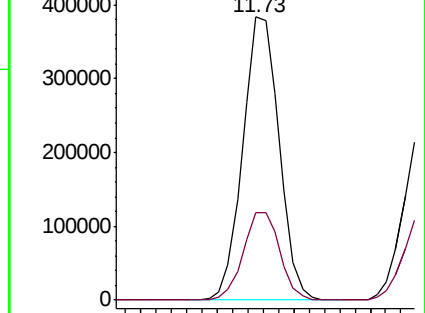
91 100

106 31.1 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): VW



#54

m,p-Xylene

Concen: 23.975 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014104.D

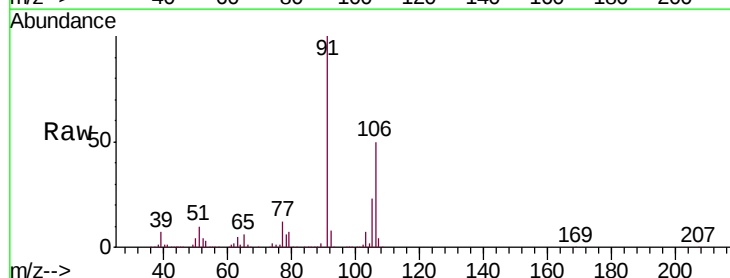
Acq: 25 Nov 2019 10:47

Tgt Ion: 106 Resp: 244793

Ion Ratio Lower Upper

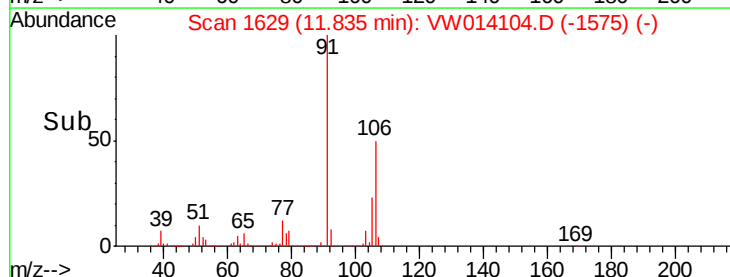
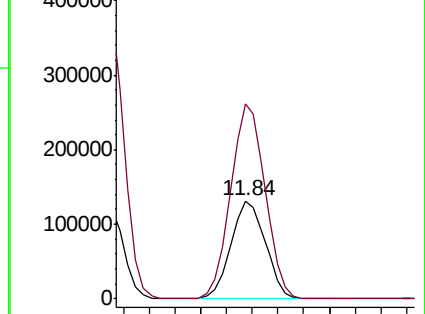
106 100

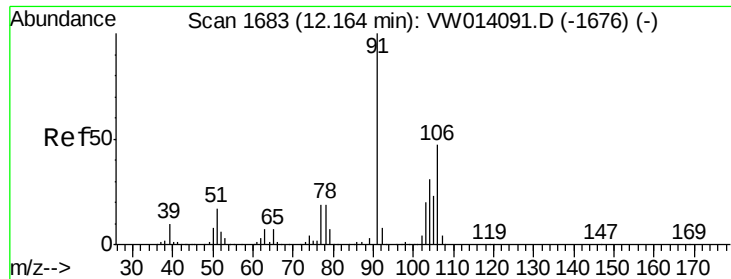
91 199.6 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): VW

Ion 91.00 (90.70 to 91.70): VW

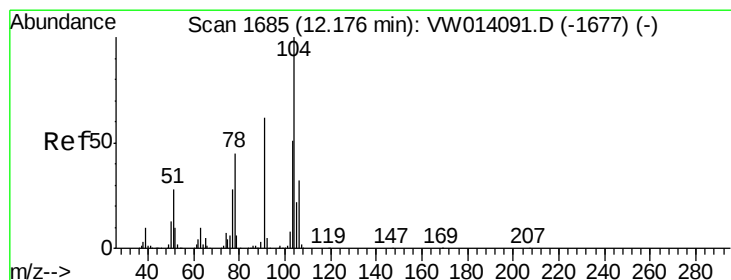
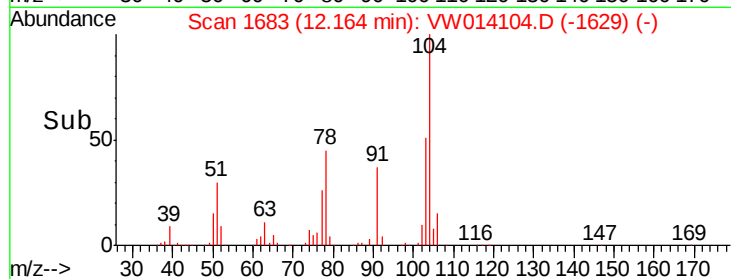
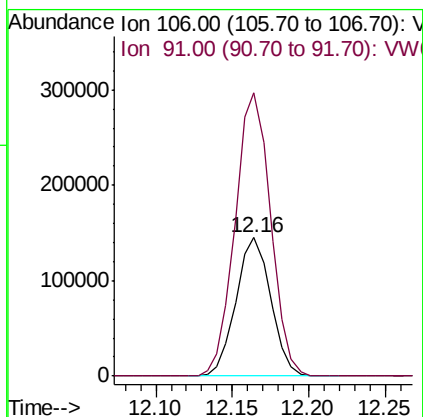
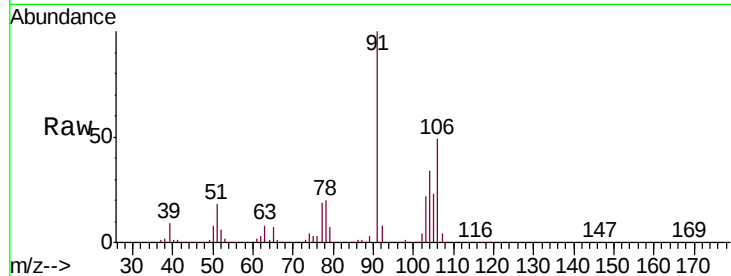




#55
o-xylene
Concen: 24.057 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014104.D
Acq: 25 Nov 2019 10:47

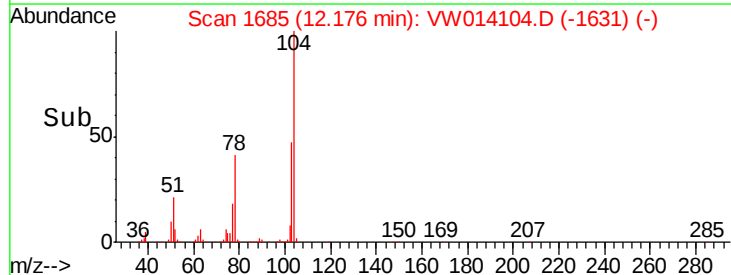
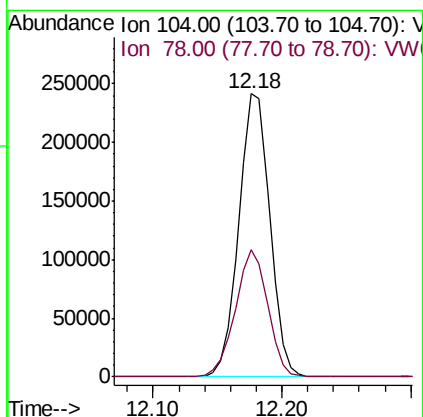
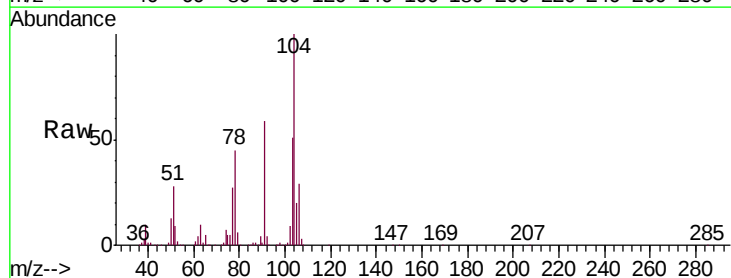
Instrument :
MSVOA_W
ClientSampleId :
BFB27

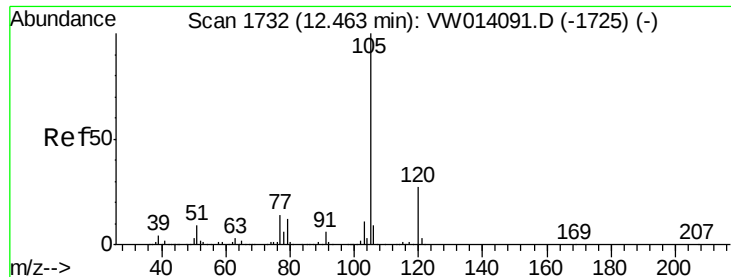
Tgt Ion:106 Resp: 230014
Ion Ratio Lower Upper
106 100
91 204.3 148.3 275.5



#56
Styrene
Concen: 24.856 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014104.D
Acq: 25 Nov 2019 10:47

Tgt Ion:104 Resp: 401480
Ion Ratio Lower Upper
104 100
78 44.8 30.6 56.8





#57

Isopropylbenzene

Concen: 23.726 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

Instrument :

MSVOA_W

ClientSampled :

BFB27

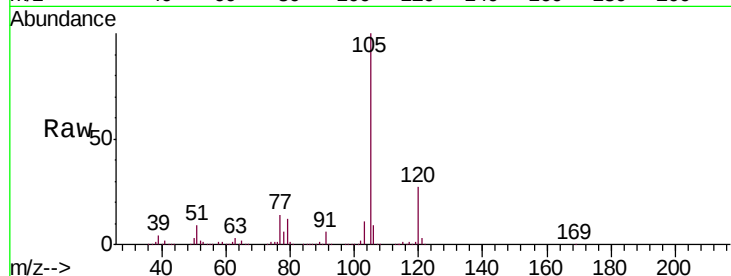
Tgt Ion: 105 Resp: 623725

Ion Ratio Lower Upper

105 100

120 26.9 21.6 32.4

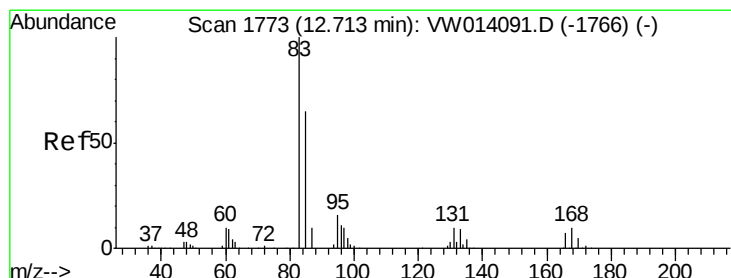
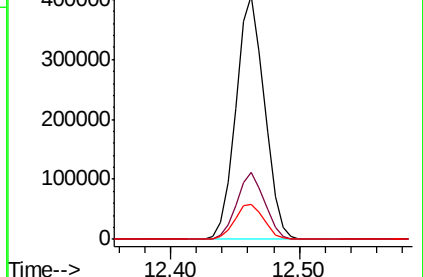
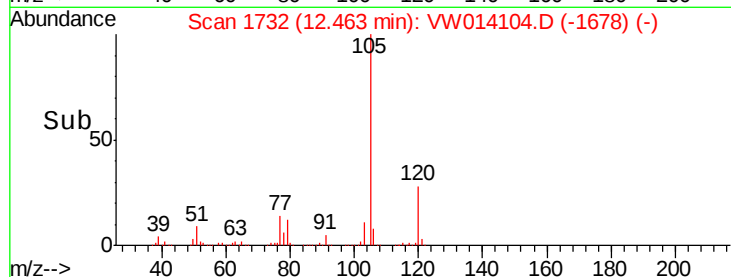
77 14.7 11.6 17.4



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: 25.888 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

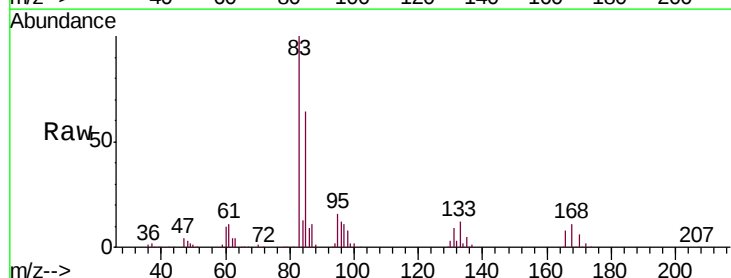
Tgt Ion: 83 Resp: 117396

Ion Ratio Lower Upper

83 100

85 64.3 43.7 81.1

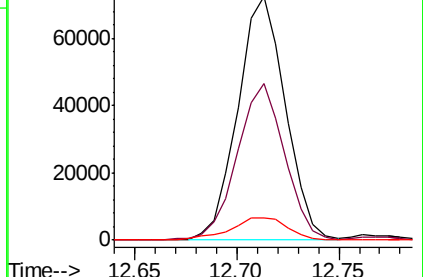
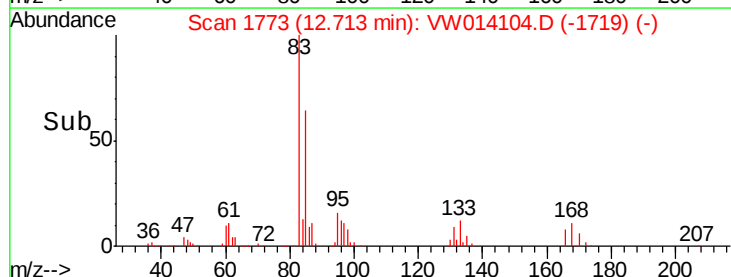
131 9.2 8.2 12.2

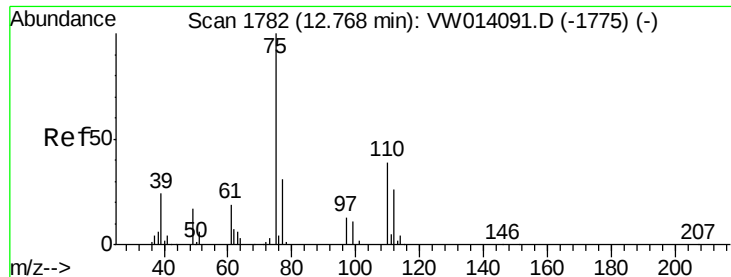


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.999 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

Instrument :

MSVOA_W

ClientSampled :

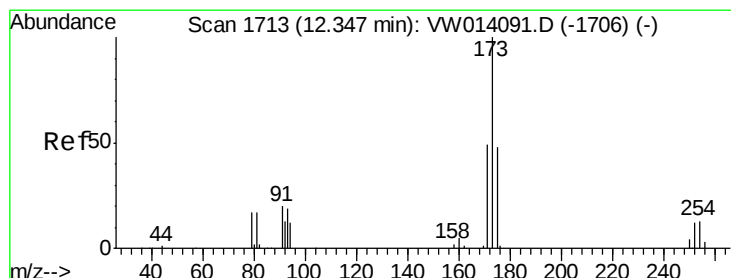
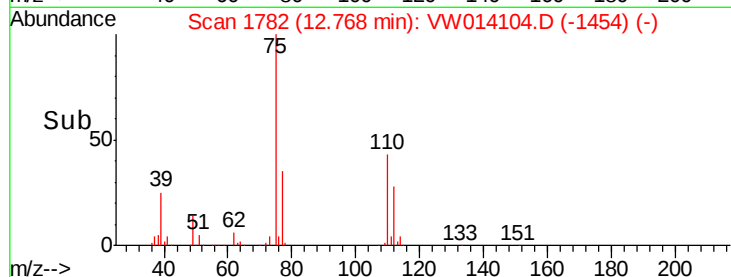
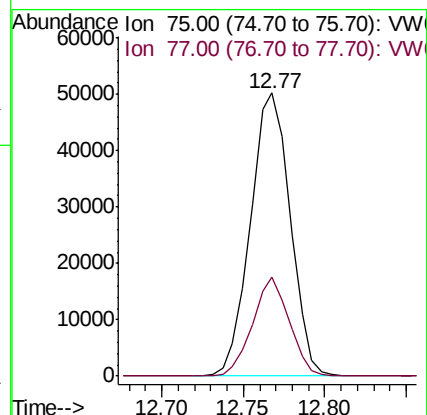
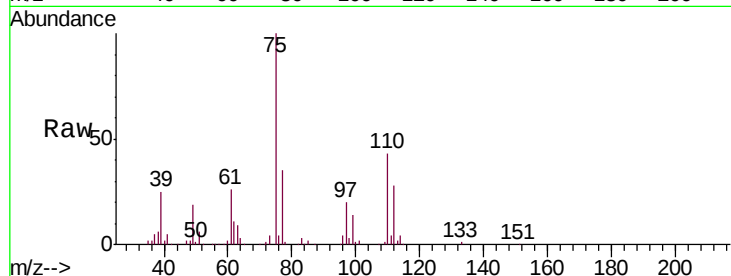
BFB27

Tgt Ion: 75 Resp: 85262

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#62

Bromoform

Concen: 24.761 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

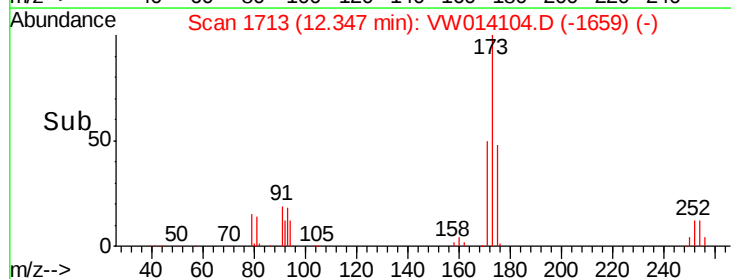
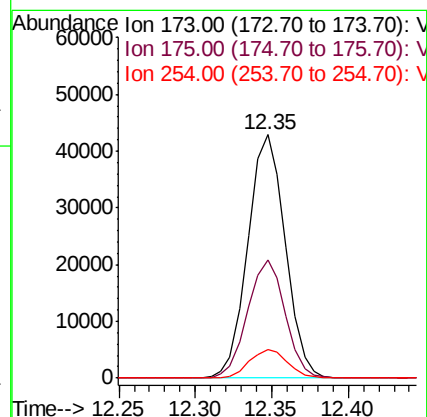
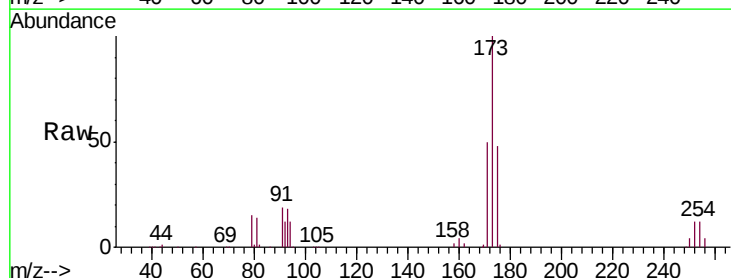
Tgt Ion: 173 Resp: 72906

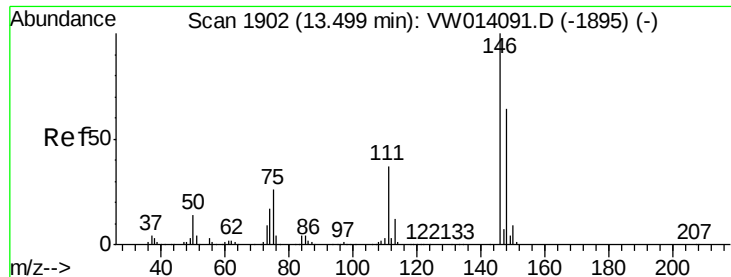
Ion Ratio Lower Upper

173 100

175 48.8 38.8 58.2

254 11.8 9.4 14.0





#63

1,3-Dichlorobenzene

Concen: 23.235 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

BFB27

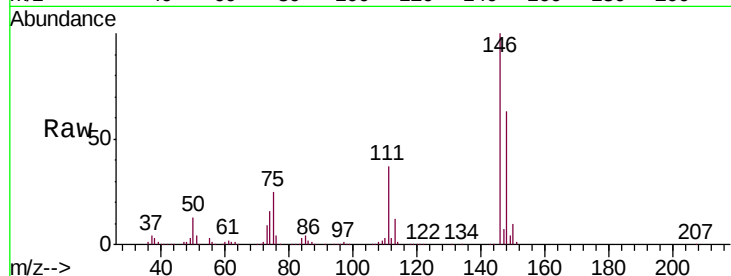
Tgt Ion:146 Resp: 293128

Ion Ratio Lower Upper

146 100

111 36.7 26.0 48.2

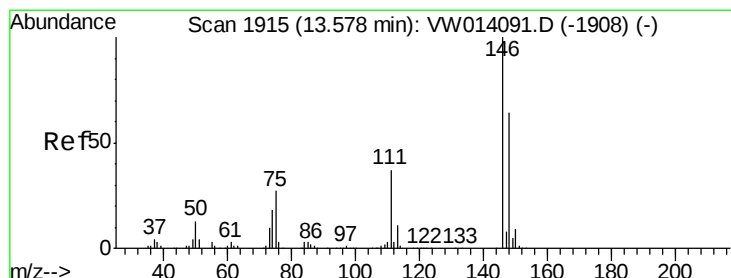
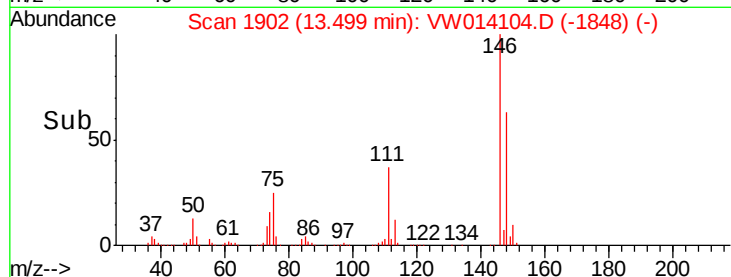
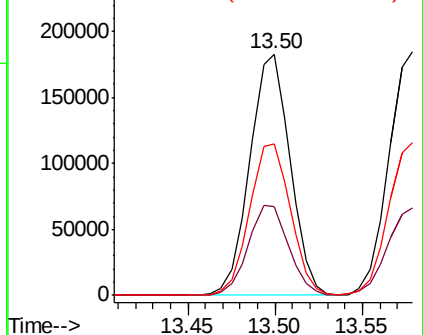
148 63.0 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 23.499 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

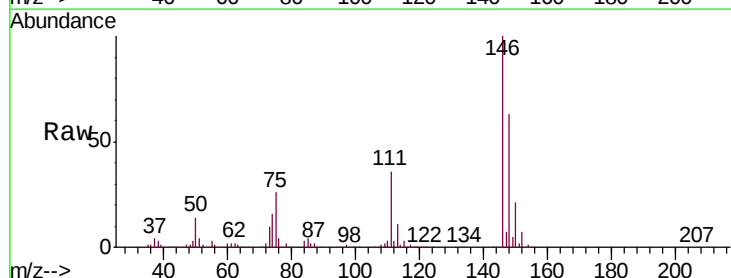
Tgt Ion:146 Resp: 292908

Ion Ratio Lower Upper

146 100

111 35.9 24.9 46.3

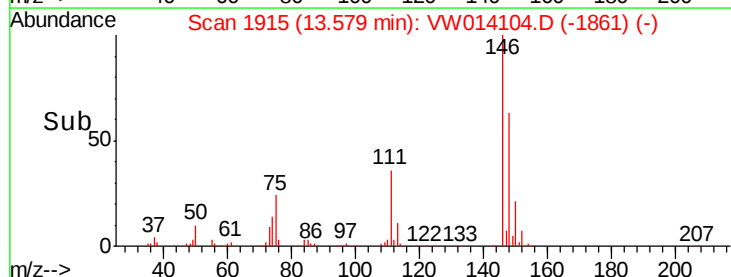
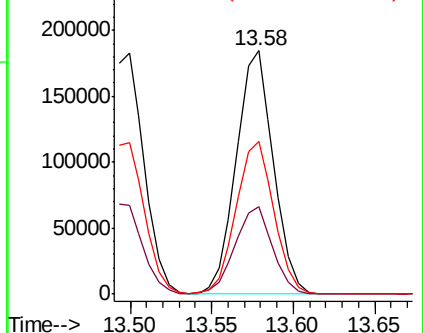
148 62.9 43.9 81.5

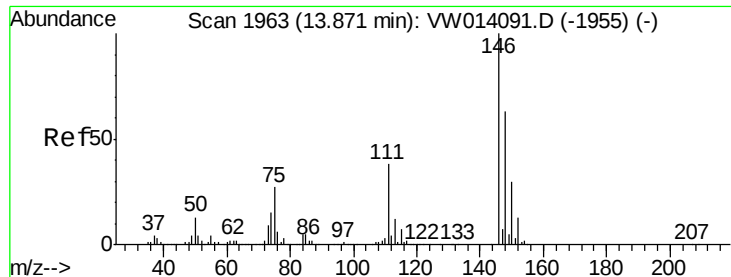


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

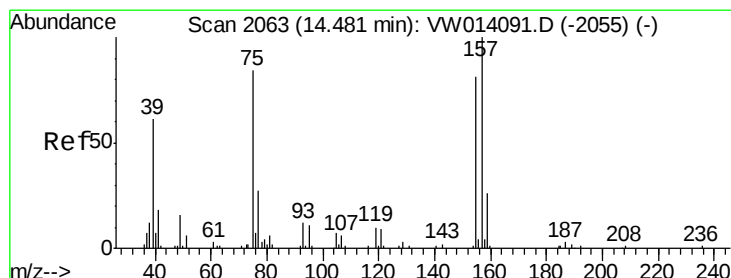
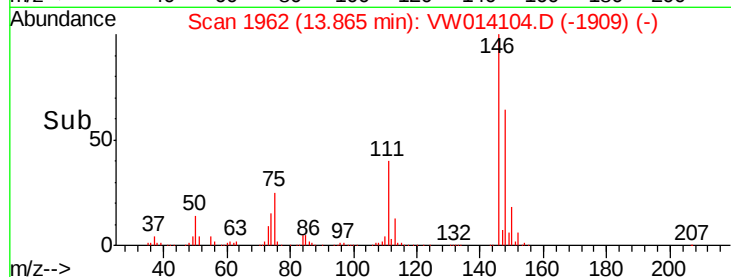
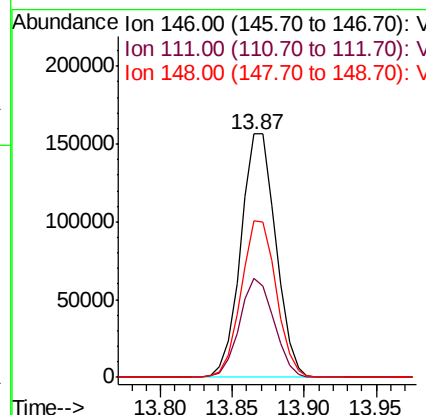
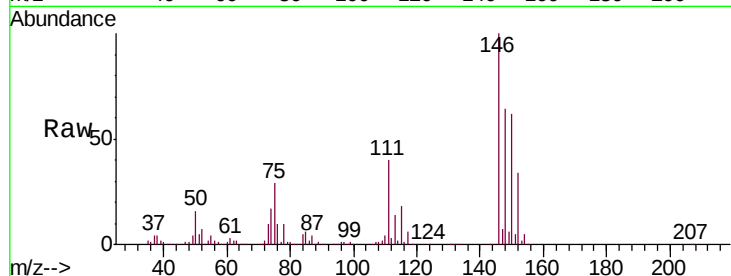




#65
 1,2-Dichlorobenzene
 Concen: 23.612 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014104.D
 Acq: 25 Nov 2019 10:47

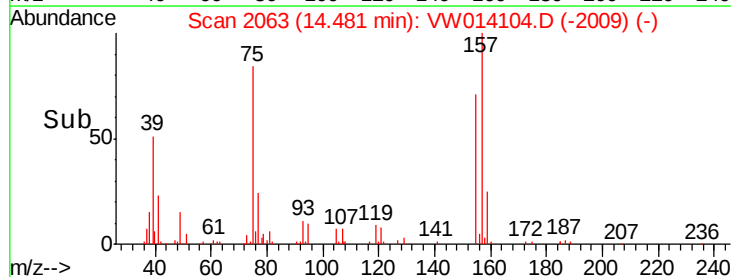
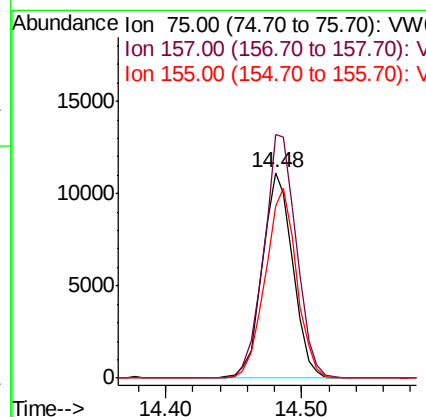
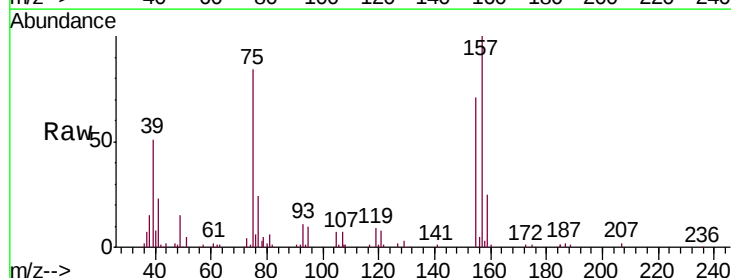
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB27

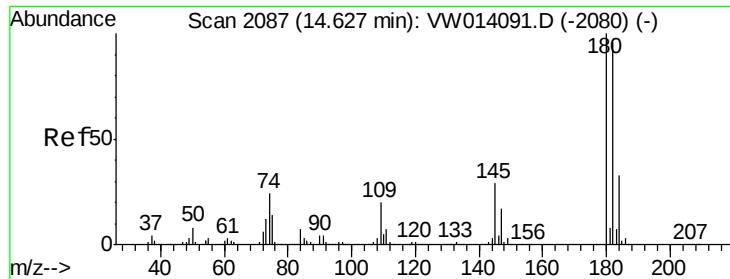
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	30.5	45.7
148	64.3	49.4	74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.984 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014104.D
 Acq: 25 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
157	118.4	96.9	145.3
155	83.9	82.9	124.3





#67

1,3,5-Trichlorobenzene

Concen: 23.390 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

BFB27

Tgt Ion:180 Resp: 224884

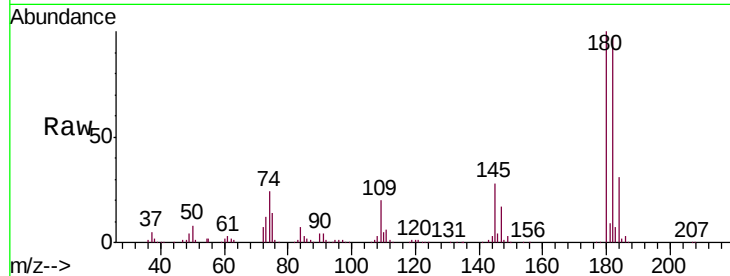
Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.2

184 30.5 24.3 36.5

145 27.2 21.9 32.9

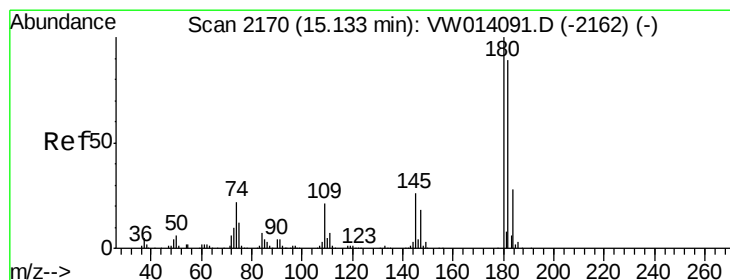
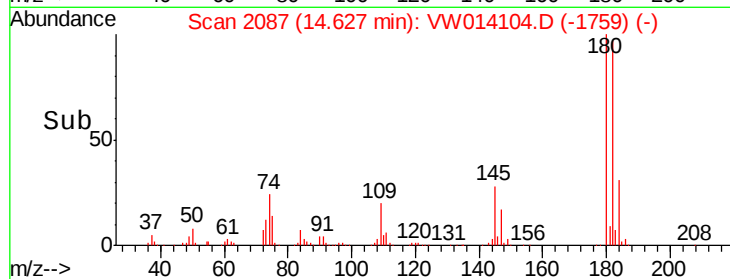
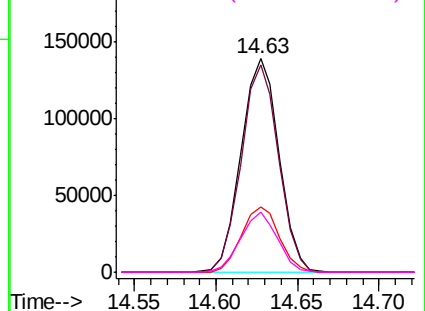


Abundance Ion 180.00 (179.70 to 180.70): V

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: 23.305 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

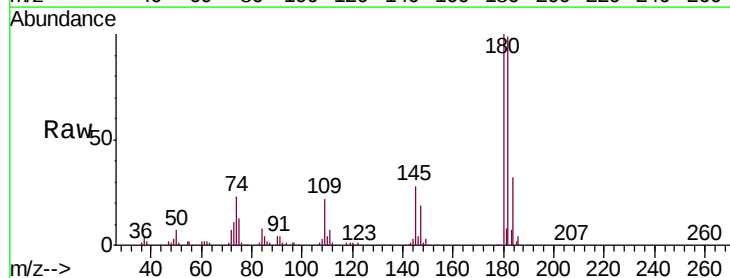
Tgt Ion:180 Resp: 176178

Ion Ratio Lower Upper

180 100

182 96.8 75.8 113.8

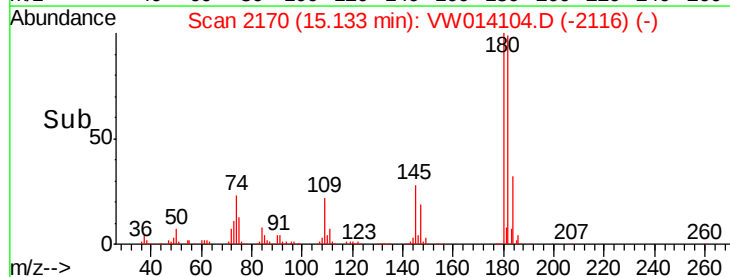
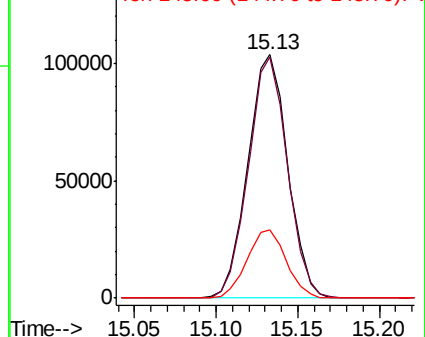
145 27.8 22.4 33.6

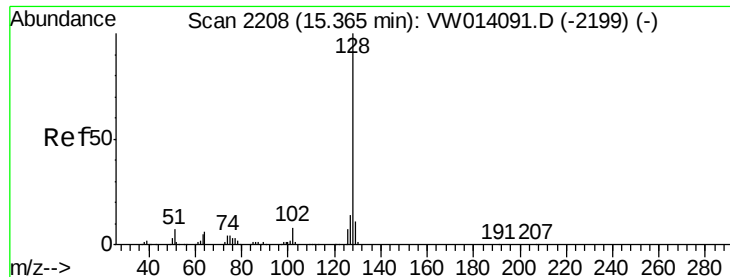


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 23.370 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

BFB27

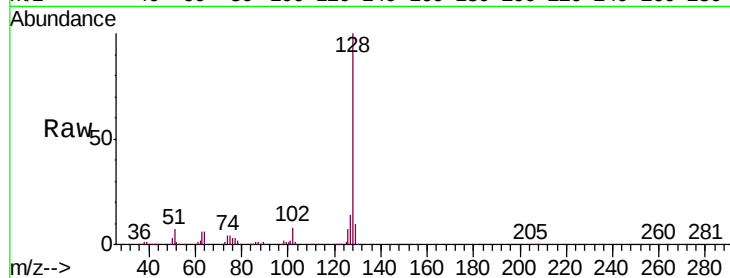
Tgt Ion:128 Resp: 313867

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

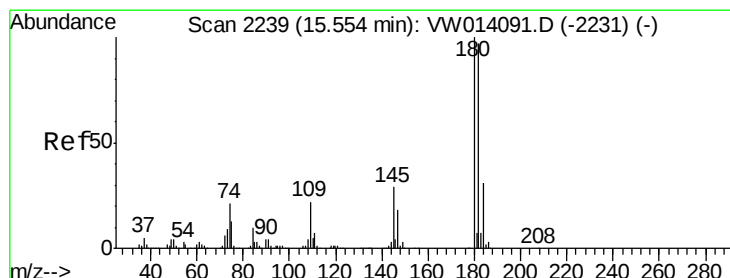
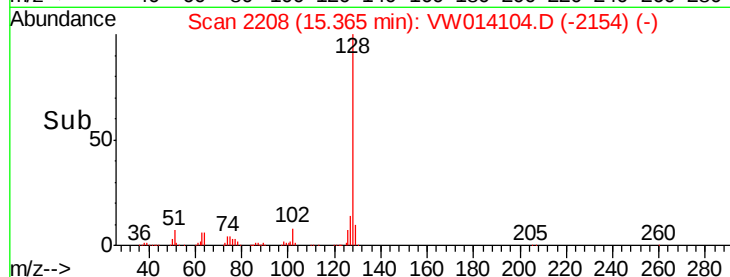
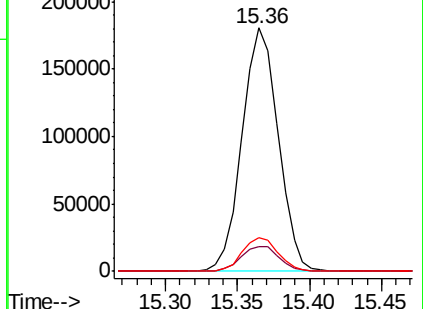
127 13.6 10.4 15.6



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: 24.221 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014104.D

Acq: 25 Nov 2019 10:47

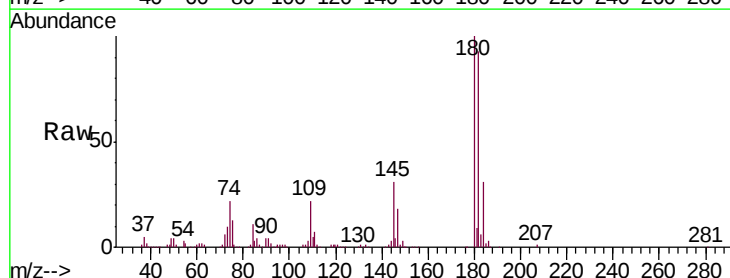
Tgt Ion:180 Resp: 161596

Ion Ratio Lower Upper

180 100

182 93.7 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

